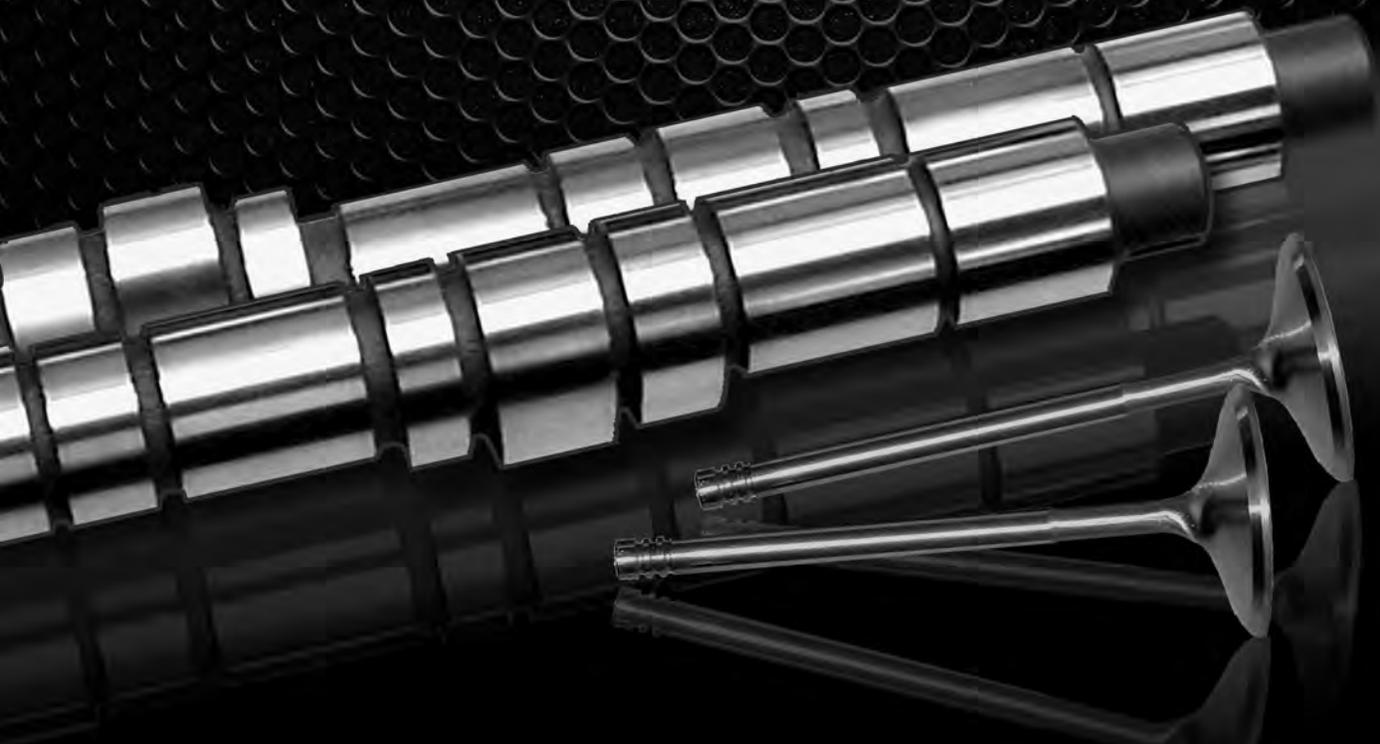


# WEB CAM

RACING CAMS  
WEBCAMSHAFTS.COM



## 2013 PRODUCT CATALOG

AUTOMOTIVE • ATV • MOTORCYCLE  
SIDE BY SIDE • PWC • SNOWMOBILE



## WEB CAM RACING CAMS

**W**EB-CAM has been hard welding and grinding cams since 1945. With our knowledge, and long time involvement with the racing industry WEB-CAM has proven to be the best.

**O**ur nickel based hardfacing alloys are homogeneous materials containing complex microscopic bi- and tri-metallics. These weld overlays greatly enhance the erosion and abrasion resistance of our hard welded parts. In addition, they offer very high thermal fatigue resistance.

**D**uring our welding process a metallurgical bond is achieved with the substrate and extremely smooth finishes of below one RMS can be readily achieved with our finishing capabilities. The overlay's natural lubricity and their resistance to gauling coupled with these low RMS finishes mean less wear on both our cams and your mating surfaces. These are the finest camshafts available.

**W**EB-CAM is constantly designing new profiles for new applications, so if you want up to the minute information please don't hesitate to call us directly. WEB-CAM is here to help you.

**T**his catalog lists WEB-CAM's most popular products and services. Many of our products have helped racers win national championships and set national and world records. The top professionals have put their trust in our constant research and development program that includes race track and dyno testing.

**W**hether you choose a cam for street, strip or off-road, you can be certain the same attention to detail is given to all applications.

**I**f you have any questions about WEB-CAM products, or need advice on special applications, please call us between 8:00 a.m. and 4:30 p.m. Pacific Time, Monday thru Friday at 951.369.5144.

## AUTOMOTIVE • ATV • MOTORCYCLE SIDE BY SIDE • PWC • SNOWMOBILE

**W**EB-CAM offers one of the largest selections of camshaft services available. Listed in this catalog are our most popular applications. If your application is not listed, please contact us, we can probably help you. Stock or high performance grinds are available. We suggest you contact our factory for specific prices and applications.

## ANTIQUE CAM RESTORATION

**O**ver the years, WEB-CAM has developed, ground and carefully stored thousands of master cams for cars and motorcycles dating as far back as the early 1900's. With this extensive collection of originals, combined with the many years of experience working with them, we have become the natural choice of antique restorers worldwide for their camshaft work.

**P**lease contact our factory direct for specific prices and services available for antique automotive and motorcycle camshafts.

**W**EB-CAM is owned and operated by Steve Story and Laurie Dunlap. Steve has over 40 years in cam grinding experience. He is constantly designing new profiles, and works very closely with top engine builders. WEB-CAM is also owned and managed by Laurie Dunlap, she has been with WEB-CAM for over 25 years. The entire crew at WEB-CAM has a dedication to top quality workmanship and reflects the owners dedication to quality, performance and innovation.

Sincerely,  
Laurie Dunlap  
Steve Story



The following pages are packed with information to help you make the best choice of camshaft performance for your particular application. To help you better understand what we are making reference to, and to help in any comparisons you might be making, we offer the explanations below.

## VALVE LIFT

All figures for valve lift indicate the total travel of the valve from the seated (or fully closed position) to its fully open position. The figures are given in decimal inches.

## DURATION

This is the advertised duration and is used for comparison only.

## DURATION @ .050

This is the duration checked at 0.050" of valve lift with zero valve lash. All duration figures refer to the amount of time (expressed in degrees of crankshaft rotation) that the valve is off its seated (or closed) position.

## GRIND NUMBER

The grind number is a WEB-CAM reference denoting the master cam or tooling we would be using for that particular application.

## DESCRIPTION

We have briefly listed an explanation of the performance changes and/or general uses for which each grind is intended. If you need more detailed information, have any questions, or need advice on which profile will work best with the other performance accessories on your vehicle, please do not hesitate to contact WEB-CAM directly.

## PART NUMBERS

Regrind: Any part number listed under "Regrind" indicates that we will precision grind your camshaft to the specifications indicated. Note that in many cases, you can reduce your down time by purchasing a cam core outright in addition to the grind. Please refer to the current price list or contact us for complete details.

Hardweld: On some profiles, WEB-CAM welds a hard-face overlay to the existing lobe of your camshaft using the most advanced alloys. This has proven extremely durable. In addition, all of the same details for cores and outright cam purchases indicated under "Regrind" apply. These are the finest camshafts available.

New Cam: All part numbers listed under "New Cam" refer to the specifications precision ground onto a new cast camshaft. All grinds are carefully checked and double heat treated for long life. No exchange is necessary as this is an outright purchase.

If you have any questions about the contents of this catalog, or the services WEB-CAM has to offer, please do not hesitate to contact us. Our technical assistance people will be glad to help you in ordering the correct grind for your use. Again, if you have any questions, please contact us directly at 951.369.5144 between 8:00 AM and 4:30 PM Monday thru Friday Pacific Time.

We take pride in our products and enjoy giving our customers fast, efficient service. To help speed your order along, please keep in mind the following:

## ORDERING

WEB-CAM products are sold through authorized dealers and distributors. If there is not a dealer in your area please contact the WEB-CAM factory direct.

We will make every effort to process your order quickly. All orders that are in stock will be shipped within 24 hours. Special orders and work done on customer cores will take approximately seven to ten working days.

Many cams listed as regrinds and hard-welds may be purchased outright. Core charges are listed and will be entirely refunded only if your cores are new or like new. If returned cores are used, WEB-CAM will inspect your cam and determine the value for refund. Cores must be returned within 6 months of purchase.

## FOREIGN ORDERS

Foreign orders must be paid in advance in US dollars (\$). Checks or money orders must be drawn from a US bank. Wire transfers are accepted, however, most banks will charge service fees.

## SENDING YOUR CAMS

When you send your cams in for grinding be certain to pack them carefully. Please remove all gears, plugs, drives, and attached devices before sending camshafts. The prices listed do not include labor for removal.

## PAYMENT

Unless prepaid, your order will be shipped C.O.D., certified check or money order.

## SHIPPING

We will ship your order to you by the best method possible, which is usually the United Parcel Service (UPS) ground. For an additional freight charge second day air, third day air or overnight service is available. Please specify when ordering.

## CREDIT CARDS ACCEPTED

We accept Visa, Mastercard, Discover, and American Express. Restrictions may apply for dealers. A 25% deposit is required with your order, and we do not recommend sending personal checks as it takes time to clear the bank.

Company checks are accepted only for approved accounts. Please contact WEB-CAM for more information.

## RETURNS

No merchandise should be returned without prior authorization from WEB-CAM. Returns and refused orders will be subject to a 20% restock fee. Returns must be sent freight prepaid as we will not accept C.O.D. shipments. Do not send by bus. We reserve the right to refuse any rusty or damaged merchandise that is sent to us for refund or credit.

## WARRANTY

WEB-CAM warrants all hard-welded and new camshafts against excessive cam lobe wear for a period of 6 months from date of purchase. This warranty covers cam lobe wear only and does not cover broken cams, lifters, tappets, rocker arms or any other engine parts. WEB-CAM camshafts are considered racing parts and as such this warranty does not cover abnormal wear due to insufficient lubrication, excessive engine heat, valve spring coil bind and cylinder head or guide interference. In no event shall WEB-CAM, Inc. be liable for labor or service charges from the replacement, removal, installation or shipping of camshafts or related parts.

Should your cam lobes wear excessively during the warranty period, return to WEB-CAM, with proof of purchase. WEB-CAM will inspect your cam and repair or replace (at WEB-CAM's discretion), under the terms of the warranty, at a cost not to exceed 50% of list price plus freight.

These warranties do not apply to re-ground cams or components. WEB-CAM warranties are void where the WEB-CAM product has been physically altered and/or used or installed improperly.

## ATV

### Arctic Cat

300 4x4 (98-05) SOHC 2v	.8
400 (98-02) SOHC 4v	.8
400 4X4 (03-08) SOHC 4v	.8
500 (98-02) SOHC 4v	.8
500 (03-09) SOHC 4v	.8
650 (04-06) V Twin SOHC 8v	.8
650 (05-13) SOHC 4v	.9
700 (06-08) DOHC 4v	10
700 (H 1) (09-13) SOHC 4v	10
90 SOHC 2v	10
DVX 400 (04-08) DOHC 4v	10
Thundercat 1000 (08-12) V Twin SOHC 8v	11

### Bombardier

Can Am DS 450 (07-11) DOHC 4v	11
Can Am Outlander 400 (03-11) SOHC 4v	12
Can Am Outlander 500 (07-11) V Twin SOHC 8v	12
Can Am Outlander 800 (06-08) V Twin SOHC 8v	13
Can Am Outlander 800 R (09-10) FI V Twin SOHC 8v	14
Can Am Renegade 500 (08-11) V Twin SOHC 8v	15
Can-Am Outlander 650 (07-11) V Twin SOHC 8v	15
Can-Am Renegade 800 (07-08) FI V Twin SOHC 8v	16
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ATC 200 SX (86-88) SOHC 2v	20
ATC 200 X (79-85) SOHC 2v	21
ATC 200 X (86-88) SOHC 2v	22
ATC 250 SX, ES (85-87) SOHC 2v	22
ATC 350 X (85-87) SOHC 4v	22
ATC 70 (73-87) SOHC 2v	23
ATC 90 (71-78) SOHC 2v	24
TRX 200 SX (86-88) SOHC 2v	24
TRX 250 EX (01-08) 2v	24
TRX 250 Recon A, AC, TE, TM (97-13) 2v	25
TRX 250 X (87-06) SOHC 4v	25
TRX 250 X (09-13) 2v	25
TRX 300 EX Fourtrax (93-09) SOHC 4v	26
TRX 300 Utility (88-90) SOHC 2v	26
TRX 300 Utility (91-00) SOHC 2v	27
TRX 350 (86-89) SOHC 4v	28
TRX 350 Rancher (00-06) 2v	28
TRX 400 EX RFVC (99-13) SOHC 4v	28
TRX 400 Foreman (95-03) 2v	29
TRX 400 Rancher (04-07) 2v	29
TRX 450 ER (06-07) SOHC 4v	30
TRX 450 ER (08-13) SOHC 4v	32
TRX 450 Foreman (98-04) 2v	33
TRX 450 R (04-05) SOHC 4v	33
TRX 450 R (06-09) SOHC 4v	35
TRX 500 Foreman (05-11) 2v	36
TRX 500 Rubicon (01-04) 2v	36
TRX 500 Rubicon (05-08) 2v	37
TRX 650 Rincon (03-05) 4v	37
TRX 680 Rincon (06-13) 4v	37
TRX 700 XX (08-09) SOHC 4v	37
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505 SX (2009) DOHC 4v	48
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Magnum 500 (95-03) SOHC 4v	51
Outlaw 450 (08-10) SOHC 4v	51
Outlaw 525 (07-09) SOHC 4v	52
Predator 500 (03-07) DOHC 4v	52
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Scrambler 500 (98-09) SOHC 4v	54
Sportsman 400 (01-08) SOHC 4v	54
Sportsman 400 (09-12) SOHC 4v	55
Sportsman 450 (06-07) SOHC 4v	55
Sportsman 500 (96-00) SOHC 4v	56
Sportsman 500 (01-09) SOHC 4v	56
Sportsman 800 (05-10) Pushrod 4v	57
Trail Boss 325 (00-02) SOHC 2v	57
Xplorer 500 (1997) SOHC 4v	57

## Suzuki

ALT 125 (83-86) SOHC 2v	58
King Quad LT 700 4WD (06-08) DOHC 4v	58
LT 125 (83-87) SOHC 2v	58
LT 250 (89-90) SOHC 2v	58
LT 500 F Quadrunner (98-02) SOHC 4v	59
LTA 500 F Quadmaster (00-01)	59
LTA 750 X (08-09) DOHC 4v	59
LTA Eiger 400 F (03-10) SOHC 4v	59
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LTZ 400 (09-12) DOHC 4v	61
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Twin Peaks 700 (04-05) SOHC 8v	63
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Bear Tracker SOHC 2v	64
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Bruin 350 (04-06) SOHC 2v	66
Champ 100 (87-91) SOHC 2v	67
Grizzly 350 (07-13) SOHC 2v	67
Grizzly 400 (07-08) SOHC 2v	67
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Kodiak 400 (93-99) SOHC 2v	.70
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Raptor 90 (09-13) SOHC 2v	.77
Timberwolf (95-00) SOHC 2v	.77
TT 225 (86-87) SOHC 2v	.78
Warrior 350 (87-04) SOHC 2v	.78
Wolverine 350 (95-05) SOHC 2v	.80
Wolverine 350 (2006) SOHC 2v	.80
Wolverine 350 (07-09) SOHC 2v	.81
Wolverine 450 (06-10) SOHC 2v	.81
YFM 50 RX (2008) SOHC 2v	.81
YFZ 450 (04-09) DOHC 5v	.82
YFZ 450 R (09-13) FI DOHC 5v	.83
YFZ 450 X / XZL (10-11) DOHC 5v	.84
YTM 225 (83-86) SOHC 2v	.86
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## Automobile

### Acura

Integra B 17 A (92-93) VTEC DOHC 16v	.87
Integra B 18 A OR B (91-01) NON VTEC DOHC 16v	.88
Integra B 18 C (94-01) VTEC DOHC 16v	.88
Integra (Japan) D 16 A 1, ZC (86-89) DOHC 16v	.89
Integra (PRO Series) B 17 A (92-93) VTEC DOHC 16v	.89
Integra (PRO Series) B 18 C (94-01) VTEC DOHC 16v	.90
RSX-S K 20 A 2, K 20 Z 1 (02-06) VTEC DOHC 16v	.90
TSX K 24 A 2 VTEC DOHC 16v	.90

### Austin

Healey 12v	.91
Healey 100 / 4 (53-56) 8v	.91

### BMW

M 10 4 Cylinder (61-87) SOHC 8v	.91
M 20 (Baby Six) SOHC 12v	.91
M 3 (88-91) DOHC 16v	.91

### Chevrolet

Cruze LLU 16 Turbo DOHC 16v	.91
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### Chrysler

Eagle Talon (85-99) DOHC 16v	.92
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### Datsun

L Series (69-80) SOHC 8v	.92
Z Series (71-80) SOHC 12v	.93

### Ferrari

12 Cylinder DOHC 24v	.94
12 Cylinder DOHC 48v	.94
308 (79-82) DOHC 16v	.94
308 QV (1986) DOHC 32v	.94
Dino 246 GTS (71-74) DOHC 12v	.94

### Honda

Accord SOHC 12v	.94
Accord VTEC SOHC 16v	.95
Accord F 22 A 6 (1992) NON VTEC SOHC 16v	.95
Civic SOHC 8v	.95
Civic (85-87) SOHC 12v	.95
Civic D 16 (92-00) VTEC SOHC 16v	.95
Civic DX D 16 A 6 (1988) NON VTEC SOHC 16v	.95

Civic Si B 16 A (94-01) VTEC DOHC 16v	.96
Civic Si K 20 A / K 20 Z (06-08) VTEC DOHC 16v	.97
Civic Si (PRO Series) B 16 A (94-01) VTEC DOHC 16v	.97
CRX (85-87) SOHC 12v	.97
CRX Si / D 15 B 2 (88-91) SOHC 16v	.98
Del Sol D 16 (92-00) VTEC SOHC 16v	.98
Prelude SOHC 12v	.98
Prelude (88-91) DOHC 16v	.98
Prelude H 22 (92-00) VTEC DOHC 16v	.99
Prelude (PRO Series) H 22 (92-00) VTEC DOHC 16v	.99
Prelude Si (92-97) NON VTEC DOHC 16v	.99

### Mazda

Miata (90-93) 1.6L DOHC 16v	.99
Miata (94-97) 1.8L DOHC 16v	100
Miata (99-00) 1.8L DOHC 16v	100
MZR 1.5 (2011) DOHC 16v	100

### Mercedes Benz

4 Cylinder SOHC	100
5 Cylinder SOHC	100
6 Cylinder SOHC	100
8 Cylinder SOHC 16v	100

### MG

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MGB 8v	101

### Mitsubishi

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Galant 4 G 63 (85-99) DOHC 16v	102

### Nissan

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240 SX KA 24 E (89-94) SOHC 12v	102
Nap Z (78-89) SOHC 8v	103
Z 24 (78-89) SOHC 8v	103

### Porsche

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912 8v	106
912 E 8v	106
914 8v	108
924 SOHC 8v	109
928 DOHC 32v	109
928 SOHC 16v	110
930 SOHC 12v	110
944 SOHC 8v	112
944 S (87-91) DOHC 16v	112
964 SOHC 12v	112
968 DOHC 16v	114
993 (93-95) SOHC 12v	115

### Subaru

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Impreza 2.5 (99-02) SOHC 16v	115
WRX (99-02) DOHC 16v	115

### Toyota

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4 AF (87-97) DOHC 16v	117
4 AG (87-97) DOHC 16v	117
Camry 5 SFE (91-01) DOHC 16v	118
Celica 5 SFE (91-99) DOHC 16v	118
MR 2 5 SFE (90-92) DOHC 16v	118
Supra 7 MGE (87-92) DOHC 24v	119
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Tacoma 3 RZFE DOHC 16v	119

### Triumph

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GTI (80-95) DOHC 16v	123
Rabbit SOHC 8v	123
Rabbit (80-95) DOHC 16v	124
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### Ace

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### BMW

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R 62 (1929)	129
R 71 (1938) 4v	129
S 1000 RR (10-11) DOHC 16v	129

### BSA

500 Single SOHC 2v	129
650 Twin 4v	129

### Douglas

500 (1928) Twin 8v	130
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### Ducati

175 (S CAM PROFILE) (1961) SOHC 2v	130
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### Gas Gas

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### Harley Davidson

V Rod (02-09) DOHC 8v	130
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### Honda

CB 1100 F (1983) DOHC 16v	130
CB 125 (1980) SOHC 2v	130
CB 160 Twin SOHC 4v	131
CB 175 (1972) Twin SOHC 4v	131
CB 350 (72-78) SOHC 8v	131
CB 350 Twin SOHC 4v	132
CB 360 G (74-77) Twin SOHC 4v	132
CB 400 F (72-78) SOHC 8v	133
CB 500 / 550 (71-78) SOHC 8v	133
CB 750 F (79-82) DOHC 16v	133
CB 750 F (75-78) SOHC 8v	134
CB 900 (80-82) DOHC 16v	135
CB 900 F (CB 919) (02-07) DOHC 16v	135
CBR 1000 Hurricane (87-95) DOHC 16v	135
CBR 1000 RR (04-05) DOHC 16v	135
CBR 1000 RR (06-07) DOHC 16v	136
CBR 1000 RR (08-11) DOHC 16v	136
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CBR 1100 xx Blackbird (97-03) DOHC 16v	137
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NT 650 Hawk (88-91) SOHC 6v	164
Passport C 70 (82-83) SOHC 2v	165
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XL 250 (Up To 1976) SOHC 2v	169
XL 250 (79-82) SOHC 4v	169
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VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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### Arctic Cat 300 4x4 (98-05) SOHC 2v

Performance profile to bolt into a stock engine. Increases power throughout the RPM range. 238i/452 N/A 58-041 N/A

Please send the OEM cam for grinding, turnaround time 5-7 days.

### Arctic Cat 400 (98-02) SOHC 4v

.340/.340 254°/254° 228 N/A 70-881 N/A  
Bolt in profile increases overall performance throughout RPM range.

Cam Core CC-S11  
Please specify year and model when ordering. Price (Each).

### Arctic Cat 400 4X4 (03-08) SOHC 4v

.330/.330 244°/244° 547 N/A 58-021 N/A  
Bolt in profile increases overall performance throughout RPM range.

Cam Core CC-S07  
Please specify year and model when ordering. Price (Each).

Rocker Arm Hardwelded HR-A02  
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).

### Arctic Cat 500 (98-02) SOHC 4v

.340/.340 254°/254° 228 N/A 70-881 N/A  
Bolt in profile increases overall performance throughout RPM range.

Cam Core CC-S11  
Please specify year and model when ordering. Price (Each).

### Arctic Cat 500 (03-09) SOHC 4v

Torque profile. Excellent throttle response. 228 N/A 56-351 N/A

Performance profile to increase overall power. 1146 N/A 56-361 N/A

### Arctic Cat 650 (04-06) V Twin SOHC 8v

.333/.333 205°/205° 150i N/A 60-601 N/A  
Bolt in profile increases throttle response and overall performance throughout RPM range. Price Per Set (2).

.365/.365 235°/235° 87mc N/A 61-341 N/A  
Designed to increase overall power. Requires Exhaust System, Extended Rockers, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).

.394/.394 227°/230° 504 N/A 60-971 N/A  
High lift, short duration for extreme acceleration. Requires Exhaust System, Extended Rockers, and Valve Spring Kit and Piston Kit recommended if using a high rev box. Price Per Set (2).

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
.400/.400		234°/234°	89mc	N/A	61-351	N/A
The famous trail profile is back!! Designed to increase mid and upper end. Requires Exhaust System, Performance Valve Spring Kit, Extended Rockers, and High Compression Piston. Check ALL clearances! Price Per Set (2).						
Cam Core	Please specify year and model when ordering. Price Per Set (2).					CC-K11
Rocker Arm, Extended Hardwelded	We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).					ER-K02
Rocker Arm, Core	Please specify year and model when ordering. Price (Each).					RC-K02
Valve Spring Kit With CrMo Retainers	Kit includes performance dual springs and Chrome Moly retainers. OK up to 0.450" valve lift. Price Per Set (8).					VC-K17
Valve Spring Kit With Titanium Retainers	Kit includes performance dual springs, titanium retainers and heat treated steel base washers. Must shorten valve guides with lifts over 0.430". Then will work up to 0.500" lift. Price Per Set (8).					VC-K22
Valves, Stainless Intake Standard Size	Standard size 30 mm. Price (Each).					IV-K03
Valves, Stainless Intake Oversized +1 mm	Oversized to 31 mm. Price (Each).					IV-K04
Valves, Stainless Exhaust Standard Size	Standard size 26 mm. Price (Each).					EV-K03
Valves, Stainless Exhaust Oversized +1 mm	Oversized to 27 mm. Price (Each).					EV-K04
Valve Guide, Shortened .070" Standard Size	Made from special C630 Bronze material for longer wear. Standard size. Adds .070 additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Fits intake and exhaust. Price (Each).					VG-K01

Custom grinding is available please call us directly for more details.

## Arctic Cat 650 (05-13) SOHC 4v

.365/.365			462	N/A	58-001	N/A
Performance profile designed to increase overall performance. Must use higher compression piston and / or larger displacement engine.						
.375/.375			417	N/A	58-011	N/A
Torque profile designed to bolt into a stock engine. Excellent throttle response.						
Cam Core	Please specify year and model when ordering.					CC-A00
Rocker Arm Hardwelded	We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Note: 2 rockers per engine. Price (Each).					HR-A00

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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### Arctic Cat 700 (06-08) DOHC 4v

.356/.343    242°/250°    218°/224°    261i/631    N/A    60-861    N/A  
Bolt in profile increases overall performance throughout RPM range. Price Per Set (2).

.350/.330    249°/252°    225°/226°    207/577    N/A    70-931    N/A  
Performance profile designed to increase mid and upper end. Requires High Compression Piston. Check ALL clearances!  
Price Per Set (2).

Cam Core **CC-S40**  
Please specify year and model when ordering. Price Per Set (2).

### Arctic Cat 700 (H 1) (09-13) SOHC 4v

.365/.365    462    N/A    58-001    N/A  
Performance profile designed to increase overall performance. Must use higher compression piston and / or larger displacement engine.

.375/.375    417    N/A    58-011    N/A  
Torque profile designed to bolt into a stock engine. Excellent throttle response.

Cam Core **CC-A00**  
Please specify year and model when ordering.

Rocker Arm Hardwelded **HR-A00**  
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Note: 2 rockers per engine. Price (Each).

### Arctic Cat 90 SOHC 2v

.228/.228    223°/223°    15    N/A    58-031    N/A  
Performance profile designed to increase overall performance. Price (Each).

### Arctic Cat DVX 400 (04-08) DOHC 4v

.343/.322    250°/246°    224°/220°    631/294    N/A    70-581    70-582  
Bolt in profile increases overall performance throughout RPM range. Price Per Set (2).

.360/.378    248°/268°    226°/244°    293/536    N/A    70-811    70-812  
Performance profile designed to increase overall performance. Cams have a reduced base circle. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).

.368/.360    260°/248°    234°/226°    288/293    N/A    70-591    70-592  
High lift to increase torque and increase overall performance. Cams have a reduced base circle. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).

.368/.384    260°/272°    234°/248°    288/540    N/A    70-821    70-822  
Race profile for built engines. Cams have a reduced base circle. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).

.384/.400    272°/280°    248°/256°    540/539    N/A    70-691    70-692  
Race profile for built engines. Cam has a reduced base circle. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).

Cam Core **CC-S08**  
Please specify year and model when ordering. New cams are sold outright. No core required. Price Per Set (2).

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
Cam Gear, Adjustable With Adaptors Use with all WEB CAM profiles for precise engine tuning. Kit includes adjustable sprockets, adapters, cam bolts. Price Per Set (2).						CG-S04
Valve Spring Kit With Titanium Retainers Kit includes performance dual springs, Titanium retainers, and bottoms. OK to .440" valve lift. Price Per Set (4).						VC-S40
Valves, Stainless Intake Standard Size Standard size 36 mm. Price (Each).						IV-S03
Valves, Stainless Intake Oversized +1 mm Oversized to 37 mm. Price (Each).						IV-S04
Valves, Stainless Exhaust Standard Size Standard size 29 mm. Price (Each).						EV-S03
Valves, Stainless Exhaust Oversized +1 mm Oversized to 30 mm. Price (Each).						EV-S04
Valve Guide, Shortened .050" Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Fits intake and exhaust. Price (Each).						VG-S01

## Arctic Cat Thundercat 1000 (08-12) V Twin SOHC 8v

.357/.352	247°/260°	225°/236°	1146/621	N/A	58-061	N/A
Performance profile designed to increase overall performance. Requires Exhaust System, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.375/.375	246°/260°	225°/232°	937/400	N/A	58-071	N/A
Profile designed to increase mid and upper end performance. Requires Performance Valve Spring Kit, High Compression Piston, and Exhaust System. Check ALL clearances! Price Per Set (2).						
Cam Core Price Per Set (2).						CC-A01
Rocker Arm Hardwelded We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Note: 4 rockers per engine. Price (Each).						HR-A01
Valve Springs Only Kit includes performance single valve springs. Use the stock retainers / bottoms Handles up to .410" Valve Lift. Check ALL clearances! Price Per Set (8).						VS-A05
Valve Spring Kit With Titanium Retainers Performance dual springs, titanium retainers, and HT Lower Collars. OK to .450" valve lift. Price Per Set (2).						VC-A05

## Bombardier Can Am DS 450 (07-11) DOHC 4v

.435/.425	272°/278°	250°/250°	590/1039	N/A	N/A	54-072
Torque profile designed to give excellent throttle response. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.418/.415	284°/276°	261°/252°	242/493	N/A	N/A	54-082
Race profile designed for extreme acceleration with added mid and upper end performance. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
Valve Spring Kit With Titanium Retainers Fits Standard 10 mm shims Performance single beehive valve springs, titanium retainers, bottom cups, and shims. This kit was designed for the stock 10 mm valve shim diameter. OK to .480" valve lift. Price Per Set (4).						VC-000

Check retainer to guides seal clearance, minimum 0.030" needed.

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Bombardier Can Am Outlander 400 (03-11) SOHC 4v

213/177 N/A 54-091 N/A

Performance profile designed to increase mid and upper end. Requires High Compression Piston, Performance Valve Spring Kit, and Shortened Valve Guides.

Valve Spring Kit With Titanium Retainers Kit includes performance dual springs, titanium retainers, and base washers. Check retainer to guide seal clearance, minimum at full lift is an additional .030. OK to 0.445" valve lift. Fits years 03-11. Check ALL clearances! Price Per Set (4).	<b>VC-B06</b>
Valves, Stainless Intake Standard Size Standard size 31.12 mm. Price (Each).	<b>IV-B01</b>
Valves, Stainless Intake Oversized +1 mm Oversized 32.12 mm. Price (Each).	<b>IV-B02</b>
Valves, Stainless Exhaust Standard Size Standard size 31.12 mm. Price (Each).	<b>EV-B01</b>
Valves, Stainless Exhaust Oversized +1 mm Oversized 28 mm. Price (Each).	<b>EV-B02</b>
Valve Guide, Shortened .090" Intake Made from special C630 Bronze material for longer wear. Standard size. Custom sizes available +.001, +.002, +.004, +.010 Price (Each).	<b>VG-B02-I</b>
Valve Guide, Shortened .090" Exhaust Made from special C630 Bronze material for longer wear. Standard size. Custom sizes available +.001, +.002, +.004, +.010 Price (Each).	<b>VG-B02-E</b>

Custom grinding is available please call us directly for more details.  
Some profiles require cylinder head clearance, please check to make sure they rotate freely.

## Bombardier Can Am Outlander 500 (07-11) V Twin SOHC 8v

Valve Spring Kit With Titanium Retainers Kit includes performance dual springs, titanium retainers, and base washers. Check retainer to guide seal clearance, minimum at full lift is an additional .030. OK to 0.445" valve lift. Price Per Set (8).	<b>VC-002</b>
Valves, Stainless Intake Standard Size Standard size 31.12 mm. Price (Each).	<b>IV-B01</b>
Valves, Stainless Intake Oversized +1 mm Oversized 32.12 mm. Price (Each).	<b>IV-B02</b>
Valves, Stainless Exhaust Standard Size Standard size 31.12 mm. Price (Each).	<b>EV-B01</b>
Valves, Stainless Exhaust Oversized +1 mm Oversized 28 mm. Price (Each).	<b>EV-B02</b>
Valve Guide, Shortened .090" Intake Made from special C630 Bronze material for longer wear. Standard size. Custom sizes available +.001, +.002, +.004, +.010 Price (Each).	<b>VG-B02-I</b>
Valve Guide, Shortened .090" Exhaust Made from special C630 Bronze material for longer wear. Standard size. Custom sizes available +.001, +.002, +.004, +.010 Price (Each).	<b>VG-B02-E</b>

Custom grinding is available please call us directly for more details.

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
<b>Bombardier Can Am Outlander 800 (06-08) V Twin SOHC 8v</b>						
.350/.350	254°/254°	231°/231°	417	N/A	N/A	54-052
Performance profile designed to increase overall performance. Price Per Set (2).						
.364/.347	256°/256°	231°/229°	188/236	N/A	N/A	54-062
Performance profile designed to increase mid and upper end. Check ALL clearances! Price Per Set (2).						
Cam Core Please specify year and model when ordering. Price Per Set (2).						CC-B01
Valve Spring Kit With Titanium Retainers Kit includes performance dual springs, titanium retainers, and base washers. Check retainer to guide seal clearance, minimum at full lift is an additional .030. OK to 0.445" valve lift. Price Per Set (8).						VC-002
Valves, Stainless Intake Standard Size Standard size 31.12 mm. Price (Each).						IV-B01
Valves, Stainless Intake Oversized +1 mm Oversized 32.12 mm. Price (Each).						IV-B02
Valves, Stainless Exhaust Standard Size Standard size 31.12 mm. Price (Each).						EV-B01
Valves, Stainless Exhaust Oversized +1 mm Oversized 28 mm. Price (Each).						EV-B02
Valve Guide, Shortened .090" Intake Made from special C630 Bronze material for longer wear. Standard size. Custom sizes available +.001, +.002, +.004, +.010 Price (Each).						VG-B02-I
Valve Guide, Shortened .090" Exhaust Made from special C630 Bronze material for longer wear. Standard size. Custom sizes available +.001, +.002, +.004, +.010 Price (Each).						VG-B02-E

Custom grinding is available please call us directly for more details.  
Some profiles require cylinder head clearance, please check to make sure they rotate freely.

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
.406/.406	290°/290°	268°/268°	196	N/A	N/A	<b>52-232</b>
Performance profile designed to increase mid and upper end. Requires Exhaust System, High Compression Piston, Shortened Valve Guides, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.406/.406	270°/260°	249°/238°	40c/40b	N/A	N/A	<b>54-202</b>
Performance profile designed to increase overall power. Price Per Set (2).						
.425/.425	276°/276°	257°/257°	145	N/A	N/A	<b>54-222</b>
Performance profile designed to increase mid and upper end. Requires Exhaust System, High Compression Piston, Shortened Valve Guides, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.406/.406	290°/290°	268°/268°	196	N/A	N/A	N/A
Performance profile designed to increase mid and upper end. Requires Exhaust System, High Compression Piston, Shortened Valve Guides, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.426/.426	250°/250°	233°/233°	153	N/A	N/A	<b>54-242</b>
High lift, short duration designed for torque. Excellent throttle response. Requires Exhaust System, High Compression Piston, Performance Valve Spring Kit, and Shortened Valve Guides. Check ALL clearances! Price Per Set (2).						
Cam Core	Please specify year and model when ordering. Price Per Set (2).					<b>CC-B02</b>
Valve Spring Kit With Titanium Retainers	Kit includes performance dual springs, titanium retainers, and base washers. Check retainer to guide seal clearance, minimum at full lift is an additional .030. OK to 0.445" valve lift. Price Per Set (8).					<b>VG-002</b>
Valves, Stainless Intake Standard Size	Standard size 31.12 mm. Price (Each).					<b>IV-B01</b>
Valves, Stainless Intake Oversized +1 mm	Oversized 32.12 mm. Price (Each).					<b>IV-B02</b>
Valves, Stainless Exhaust Standard Size	Standard size 31.12 mm. Price (Each).					<b>EV-B01</b>
Valves, Stainless Exhaust Oversized +1 mm	Oversized 28 mm. Price (Each).					<b>EV-B02</b>
Valve Guide, Shortened .090" Intake	Made from special C630 Bronze material for longer wear. Standard size. Custom sizes available +.001, +.002, +.004, +.010 Price (Each).					<b>VG-B02-I</b>
Valve Guide, Shortened .090" Exhaust	Made from special C630 Bronze material for longer wear. Standard size. Custom sizes available +.001, +.002, +.004, +.010 Price (Each).					<b>VG-B02-E</b>

Custom grinding is available please call us directly for more details.  
Some profiles require cylinder head clearance, please check to make sure they rotate freely.

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Bombardier Can Am Renegade 500 (08-11) V Twin SOHC 8v

Valve Spring Kit With Titanium Retainers Kit includes performance dual springs, titanium retainers, and base washers. Check retainer to guide seal clearance, minimum at full lift is an additional .030. OK to 0.445" valve lift. Price Per Set (8).						VC-002
Valves, Stainless Intake Standard Size Standard size 31.12 mm. Price (Each).						IV-B01
Valves, Stainless Intake Oversized +1 mm Oversized 32.12 mm. Price (Each).						IV-B02
Valves, Stainless Exhaust Standard Size Standard size 31.12 mm. Price (Each).						EV-B01
Valves, Stainless Exhaust Oversized +1 mm Oversized 28 mm. Price (Each).						EV-B02
Valve Guide, Shortened .090" Exhaust Made from special C630 Bronze material for longer wear. Standard size. Custom sizes available +.001, +.002, +.004, +.010 Price (Each).						VG-B02-E

Custom grinding is available please call us directly for more details.

## Bombardier Can-Am Outlander 650 (07-11) V Twin SOHC 8v

.350/.350 Performance profile designed to increase overall performance. Price Per Set (2).	254°/254°	231°/231°	417	N/A	N/A	54-052
.364/.347 Performance profile designed to increase mid and upper end. Check ALL clearances! Price Per Set (2).	256°/256°	231°/229°	188/236	N/A	N/A	54-062
Cam Core Please specify year and model when ordering. Price Per Set (2).						CC-B01
Valve Spring Kit With Titanium Retainers Kit includes performance dual springs, titanium retainers, and base washers. Check retainer to guide seal clearance, minimum at full lift is an additional .030. OK to 0.445" valve lift. Price Per Set (8).						VC-002
Valves, Stainless Intake Standard Size Standard size 31.12 mm. Price (Each).						IV-B01
Valves, Stainless Intake Oversized +1 mm Oversized 32.12 mm. Price (Each).						IV-B02
Valves, Stainless Exhaust Standard Size Standard size 31.12 mm. Price (Each).						EV-B01
Valves, Stainless Exhaust Oversized +1 mm Oversized 28 mm. Price (Each).						EV-B02
Valve Guide, Shortened .090" Intake Made from special C630 Bronze material for longer wear. Standard size. Custom sizes available +.001, +.002, +.004, +.010 Price (Each).						VG-B02-I
Valve Guide, Shortened .090" Exhaust Made from special C630 Bronze material for longer wear. Standard size. Custom sizes available +.001, +.002, +.004, +.010 Price (Each).						VG-B02-E

Custom grinding is available please call us directly for more details.

Some profiles require cylinder head clearance, please check to make sure they rotate freely.

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
<b>Bombardier Can-Am Renegade 800 (07-08) FI V Twin SOHC 8v</b>						
.350/.350	254°/254°	231°/231°	417	N/A	N/A	54-052
Performance profile designed to increase overall performance. Price Per Set (2).						
.364/.347	256°/256°	231°/229°	188/236	N/A	N/A	54-062
Performance profile designed to increase mid and upper end. Check ALL clearances! Price Per Set (2).						
Cam Core Please specify year and model when ordering. Price Per Set (2).						CC-B01
Valve Spring Kit With Titanium Retainers Kit includes performance dual springs, titanium retainers, and base washers. Check retainer to guide seal clearance, minimum at full lift is an additional .030. OK to 0.445" valve lift. Price Per Set (8).						VC-002
Valves, Stainless Intake Standard Size Standard size 31.12 mm. Price (Each).						IV-B01
Valves, Stainless Intake Oversized +1 mm Oversized 32.12 mm. Price (Each).						IV-B02
Valves, Stainless Exhaust Standard Size Standard size 31.12 mm. Price (Each).						EV-B01
Valves, Stainless Exhaust Oversized +1 mm Oversized 28 mm. Price (Each).						EV-B02
Valve Guide, Shortened .090" Intake Made from special C630 Bronze material for longer wear. Standard size. Custom sizes available +.001, +.002, +.004, +.010 Price (Each).						VG-B02-I
Valve Guide, Shortened .090" Exhaust Made from special C630 Bronze material for longer wear. Standard size. Custom sizes available +.001, +.002, +.004, +.010 Price (Each).						VG-B02-E

Custom grinding is available please call us directly for more details.  
Some profiles require cylinder head clearance, please check to make sure they rotate freely.

## Bombardier Can-Am Renegade 800 R (09-11) FI V Twin SOHC 8v

.406/.406	290°/290°	268°/268°	196	N/A	N/A	52-232
Performance profile designed to increase mid and upper end. Requires Exhaust System, High Compression Piston, Shortened Valve Guides, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.406/.406	270°/260°	249°/238°	40c/40b	N/A	N/A	54-202
Performance profile designed to increase overall power. Price Per Set (2).						
.425/.425	276°/276°	257°/257°	145	N/A	N/A	54-222
Performance profile designed to increase mid and upper end. Requires Exhaust System, High Compression Piston, Shortened Valve Guides, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.406/.406	290°/290°	268°/268°	196	N/A	N/A	N/A
Performance profile designed to increase mid and upper end. Requires Exhaust System, High Compression Piston, Shortened Valve Guides, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.426/.426	250°/250°	233°/233°	153	N/A	N/A	54-242
High lift, short duration designed for torque. Excellent throttle response. Requires Exhaust System, High Compression Piston, Performance Valve Spring Kit, and Shortened Valve Guides. Check ALL clearances! Price Per Set (2).						
Cam Core Please specify year and model when ordering. Price Per Set (2).						CC-B02

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
Valve Spring Kit With Titanium Retainers Kit includes performance dual springs, titanium retainers, and base washers. Check retainer to guide seal clearance, minimum at full lift is an additional .030. OK to 0.445" valve lift. Price Per Set (8).						VC-002
Valves, Stainless Intake Standard Size Standard size 31.12 mm. Price (Each).						IV-B01
Valves, Stainless Intake Oversized +1 mm Oversized 32.12 mm. Price (Each).						IV-B02
Valves, Stainless Exhaust Standard Size Standard size 31.12 mm. Price (Each).						EV-B01
Valves, Stainless Exhaust Oversized +1 mm Oversized 28 mm. Price (Each).						EV-B02
Valve Guide, Shortened .090" Intake Made from special C630 Bronze material for longer wear. Standard size. Custom sizes available +.001, +.002, +.004, +.010 Price (Each).						VG-B02-I
Valve Guide, Shortened .090" Exhaust Made from special C630 Bronze material for longer wear. Standard size. Custom sizes available +.001, +.002, +.004, +.010 Price (Each).						VG-B02-E

Custom grinding is available please call us directly for more details.  
Some profiles require cylinder head clearance, please check to make sure they rotate freely.

## Bombardier DS 650 Rotax (00-07) DOHC 4v

.400/.400	264°/264°	238°/238°	570	N/A	54-031	N/A
Performance profile designed to increase overall performance. No modifications required. Price Per Set (2).						
.395/.395	284°/284°	256°/256°	110	N/A	54-001	N/A
Performance profile designed to increase overall performance. Requires High Compression Piston, and Performance Valve Spring Kit VC-B04. Price Per Set (2).						
.422/.395	286°/284°	260°/256°	109/110	N/A	54-011	N/A
Race profile. Must use valve spring kit VC-B03. Price Per Set (2).						
.422/.422	286°/286°	260°/260°	109	N/A	54-021	N/A
Race profile. Must use valve spring kit VC-B03. Price Per Set (2).						
.435/.435	272°/272°	250°/250°	590	N/A	54-041	N/A
High lift, short duration profile to provide excellent torque and acceleration. Requires High Compression Piston, Exhaust System, and Performance Valve Spring Kit VC-B03. Price Per Set (2).						
Cam Core						CC-B00
Please specify year and model when ordering. Price Per Set (2).						
Cam Gear, Adjustable Supplied with Index Plate						CG-B01
Use with all WEB CAM profiles for precise engine tuning. Price Per Set (2).						
Valve Spring Kit With Titanium Retainers Shim On Top						VC-B04
Kit Includes performance dual springs, Titanium retainers, and HT bottoms. OK to .500" valve lift. Price Per Set (4).						
Valve Spring Kit With Titanium Retainers "Conversion"						VC-B03
Kit includes performance dual springs, Titanium retainers, HT bottoms, and shim under followers. OK up to .500" valve lift. Check ALL clearances! Price Per Set (4).						
Valves, Stainless Intake Standard Size						IV-B00
Standard size 36 mm. Price (Each).						
Valves, Stainless Intake Oversized +1 mm						OS-B00
Oversized to 37 mm. Price (Each).						

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
Valves, Stainless Exhaust Standard Size Standard size 31 mm. Seats need to be cut to 45° (Stock is 30°). Price (Each).						EV-B00
Valves, Stainless Exhaust Oversized +1 mm Oversized to 32 mm. Seats need to be cut to 45° (Stock is 30°). Price (Each).						OS-B01
Valve Guide, Stock Height Intake Standard Size Made from special C630 Bronze material for longer wear. Standard size. Custom sizes available +.001, +.002, +.004, +.010 Price (Each).						VG-B01-I
Valve Guide, Shortened .070" Exhaust Standard Size Made from special C630 Bronze material for longer wear. Standard size. Custom sizes available +.001, +.002, +.004, +.010 Price (Each).						VG-B01-E

## Briggs & Stratton 5 HP Flathead 2v

.294/.294	258°/258°	232°/232°	82	N/A	90-201	N/A
Broad power for lightly modified engines.						
.302/.302	266°/266°	246°/246°	83	N/A	90-221	N/A
Good mid and upper end performance for stock valve engines.						
.355/.355	276°/276°	252°/252°	187	N/A	90-231	N/A
Strong mid and upper end performance for racing engines. Use with porting, more compression and carburetor.						
.383/.355	277°/276°	254°/252°	227/187	N/A	90-241	N/A
Strong upper end performance for racing engines. Use with porting, more compression and carburetor.						

## Honda ATC 110 (79-80) SOHC 2v

.215/.220	261°/256°	241°/236°	15b/15a	N/A	55-051	N/A
Good mid and upper end performance. No head modifications required.						
.250/.250	252°/252°	228°/228°	98mc	N/A	55-031	N/A
Good all around profile for stock or modified engines. Bolts in with no modifications.						
.275/.275	265°/265°	243°/243°	3	N/A	55-041	N/A
Very broad power band, good all around cam. Requires High Compression Piston / Big Bore, Performance Valve Spring Kit, Exhaust System, and Carburetors. Check ALL clearances!						
.309/.309	278°/278°	254°/254°	69	N/A	55-061	N/A
Strong mid and upper end performance. Requires High Compression Piston / Big Bore, Performance Valve Spring Kit, Exhaust System, and Carburetors. Check ALL clearances!						
.322/.322	288°/288°	262°/262°	399	N/A	55-071	N/A
Top end profile for racing engines. Requires High Compression Piston / Big Bore, Performance Valve Spring Kit, Exhaust System, and Carburetors. Check ALL clearances!						

Cam Core	Please specify year and model when ordering. Price (Each).					CC-H01
Valve Springs Only	Performance dual valve springs. Stock retainers OK.					VS-H90
Valve Spring Kit With Aluminum Retainers	Kit includes performance dual springs aluminum retainers, and bottom cups. OK to .350" valve lift. Price Per Set (2).					VC-H90

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Honda ATC 110 (81-85) SOHC 2v

.215/.220 261°/256° 241°/236° 15b/15a 57-680 57-681 N/A  
 Good mid and upper end performance. No head modifications required.

.250/.250 252°/252° 228°/228° 98mc 57-660 57-661 N/A  
 Good all around profile for stock or modified engines. Regrind bolts in with no modifications. Hardweld may require head / rocker modification.

.275/.275 265°/265° 243°/243° 3 N/A 57-671 N/A  
 Very broad power band, good all around cam. Requires High Compression Piston / Big Bore, Performance Valve Spring Kit, Exhaust System, and Carburetors. Check ALL clearances!

.309/.309 278°/278° 254°/254° 69 N/A 57-691 N/A  
 Strong mid and upper end performance. Requires High Compression Piston / Big Bore, Performance Valve Spring Kit, Exhaust System, and Carburetors. Check ALL clearances!

.322/.322 288°/288° 262°/262° 399 N/A 57-701 N/A  
 Top end profile for racing engines. Requires High Compression Piston / Big Bore, Performance Valve Spring Kit, Exhaust System, and Carburetors. Check ALL clearances!

Cam Core CC-H46  
 Please specify year and model when ordering. Price (Each).

Valve Springs Only VS-H90  
 Performance dual valve springs. Stock retainers OK.

Valve Spring Kit With Aluminum Retainers VC-H90  
 Kit includes performance dual springs aluminum retainers, and bottom cups. OK to .350" valve lift. Price Per Set (2).

## Honda ATC 125 (84-85) SOHC 2v

.250/.250 252°/252° 228°/228° 98mc 57-610 57-611 N/A  
 Good all around profile for stock or modified engines. Regrind bolts in with no modifications. Hardweld may require head / rocker modification.

.215/.220 261°/256° 241°/236° 15b/15a 57-630 57-631 N/A  
 Good mid and upper end performance. No head modifications required.

.275/.275 265°/265° 243°/243° 3 N/A 57-621 N/A  
 Very broad power band, good all around cam. Requires High Compression Piston / Big Bore, Performance Valve Spring Kit, Exhaust System, and Carburetors. Check ALL clearances!

.309/.309 278°/278° 254°/254° 69 N/A 57-641 N/A  
 Strong mid and upper end performance. Requires High Compression Piston / Big Bore, Performance Valve Spring Kit, Exhaust System, and Carburetors. Check ALL clearances!

.322/.322 288°/288° 262°/262° 399 N/A 57-651 N/A  
 Top end profile for racing engines. Requires High Compression Piston / Big Bore, Performance Valve Spring Kit, Exhaust System, and Carburetors. Check ALL clearances!

Cam Core CC-H40  
 Please specify year and model when ordering. Price (Each).

Valve Springs Only VS-H90  
 Performance dual valve springs. Stock retainers OK.

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Honda ATC 185 S (80-83) SOHC 2v

.340/.340	266°/266°	237°/237°	40b	N/A	55-521	N/A
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Good mid and upper end performance for stock engines.

.362/.362	270°/270°	240°/240°	89a	N/A	55-531	N/A
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Good mid and upper end performance. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit.

.375/.375	280°/280°	250°/250°	214	N/A	55-621	N/A
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Broad power range for high compression racing engines. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit.

.395/.395	288°/288°	262°/262°	172	N/A	55-561	N/A
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Broad power range for high compression racing engines. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances!

.435/.395	288°/288°	262°/262°	232/172	N/A	55-721	N/A
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Racing cam designed to take advantage of larger valves and the latest port flow technology. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances!

Cam Core **CC-H03**  
Please specify year and model when ordering. Price (Each).

Rocker Arm Hardwelded **HR-H14**  
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).

Valve Springs Only **VS-H20**  
Performance dual valve springs. Stock retainers OK. Can handle up to .500" Valve Lift. Price Per Set (2).

Valve Spring Kit With Aluminum Retainers **VC-H20**  
Kit includes performance dual springs, aluminum retainers, bottom cups, and shims. OK to .420" valve lift. Price Per Set (2).

Valve Spring Kit With Titanium Retainers **VC-H2T**  
Kit includes performance dual springs and Titanium retainers. OK to .460" valve lift. Price Per Set (2).

Valves, Stainless Intake Standard Size **IV-H13**  
Standard size 30 mm. Fits 1981 - 1987 (all). Price (Each).

Valves, Stainless Intake Oversized +1 mm **OV-H14**  
Oversized to 31 mm. Price (Each).

Valves, Stainless Exhaust Standard Size **EV-H14**  
Standard size 25 mm. Fits 1981 - 1987 (all). Price (Each).

## Honda ATC 200 SX (86-88) SOHC 2v

.345/.350	264°/264°	240°/240°	245	N/A	55-791	N/A
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Bolt in profile increases overall performance throughout RPM range.

.354/.354	276°/276°	252°/252°	236	N/A	55-801	N/A
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Good mid and upper end performance. Requires Performance Valve Spring Kit.

.392/.392	284°/284°	260°/260°	213	N/A	55-811	N/A
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Race profile designed to increase mid and upper end performance. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit.

Cam Core **CC-H07**  
Please specify year and model when ordering. Price (Each).

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
Rocker Arm Hardwelded We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).						HR-H24
Valve Spring Kit With CrMo Retainers Kit includes performance dual springs, Chrome Moly retainers, and shims. OK to .450" valve lift. Price Per Set (2).						VC-H2X
<b>Honda ATC 200 X (79-85) SOHC 2v</b>						
.340/.340	266°/266°	237°/237°	40b	N/A	55-521	N/A
Good mid and upper end performance for stock engines.						
.362/.362	270°/270°	240°/240°	89a	N/A	55-531	N/A
Good mid and upper end performance. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit.						
.375/.375	280°/280°	250°/250°	214	N/A	55-621	N/A
Broad power range for high compression racing engines. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit.						
.395/.395	288°/288°	262°/262°	172	N/A	55-561	N/A
Broad power range for high compression racing engines. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances!						
.435/.395	288°/288°	262°/262°	232/172	N/A	55-721	N/A
Racing cam designed to take advantage of larger valves and the latest port flow technology. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances!						
Cam Core Please specify year and model when ordering. Price (Each).						CC-H03
Rocker Arm Hardwelded We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).						HR-H14
Valve Springs Only Performance dual valve springs. Stock retainers OK. Can handle up to .500" Valve Lift. Price Per Set (2).						VS-H20
Valve Spring Kit With Aluminum Retainers Kit includes performance dual springs, aluminum retainers, bottom cups, and shims. OK to .420" valve lift. Price Per Set (2).						VC-H20
Valve Spring Kit With Titanium Retainers Kit includes performance dual springs and Titanium retainers. OK to .460" valve lift. Price Per Set (2).						VC-H2T
Valves, Stainless Intake Standard Size Standard size 30 mm. Fits 1981 - 1987 (all). Price (Each).						IV-H13
Valves, Stainless Intake Oversized +1 mm Oversized to 31 mm. Price (Each).						OV-H14
Valves, Stainless Exhaust Standard Size Standard size 25 mm. Fits 1981 - 1987 (all). Price (Each).						EV-H14

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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### Honda ATC 200 X (86-88) SOHC 2v

.345/.350	264°/264°	240°/240°	245	N/A	55-791	N/A
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Bolt in profile increases overall performance throughout RPM range.

.354/.354	276°/276°	252°/252°	236	N/A	55-801	N/A
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Good mid and upper end performance. Requires Performance Valve Spring Kit.

.392/.392	284°/284°	260°/260°	213	N/A	55-811	N/A
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Race profile designed to increase mid and upper end performance. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit.

Cam Core CC-H07  
Please specify year and model when ordering. Price (Each).

Rocker Arm Hardwelded HR-H24  
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).

Valve Spring Kit With CrMo Retainers VC-H2X  
Kit includes performance dual springs, Chrome Moly retainers, and shims. OK to .450" valve lift. Price Per Set (2).

### Honda ATC 250 SX, ES (85-87) SOHC 2v

.356/.356	260°/260°	238°/238°	402	N/A	55-931	N/A
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Bolt in profile increases overall performance throughout RPM range.

.384/.384	272°/272°	252°/252°	40b	N/A	55-941	N/A
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Strong mid and upper end performance. Requires High Compression Piston, Exhaust System, and Performance Valve Spring Kit.

Cam Core CC-H17  
Please specify year and model when ordering. Price (Each).

Rocker Arm Hardwelded HR-H09  
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).

Valve Springs Only VS-HSX  
Performance dual valve springs. Stock retainers OK.

Valve Spring Kit With CrMo Retainers VC-HSX  
Kit includes performance dual springs Chrome Moly retainers, and bottom cups. OK to .470" valve lift. Price Per Set (2).

### Honda ATC 350 X (85-87) SOHC 4v

.350/.350	252°/252°	228°/228°	180	N/A	55-731	N/A
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Bolt in profile increases overall performance throughout RPM range.

.362/.362	260°/260°	236°/236°	402	N/A	55-741	N/A
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Improved mid and upper end performance. Requires High Compression Piston, and Performance Valve Spring Kit.

.360/.360	284°/284°	254°/254°	213	N/A	55-671	N/A
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Strong mid and upper end performance. Requires High Compression Piston, and Performance Valve Spring Kit.

.392/.392	275°/275°	248°/248°	40b	N/A	55-751	N/A
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Race profile designed to increase mid and upper end performance. Requires High Compression Piston, Exhaust System, Performance Valve Spring Kit, and Shortened Valve Guides.

Cam Core CC-H05  
Please specify year and model when ordering. Price (Each).

<b>VALVE LIFT</b>	<b>DURATION</b>	<b>DURATION @.050</b>	<b>GRIND NUMBER</b>	<b>REGRIND</b>	<b>HARD WELD</b>	<b>NEW CAM</b>
Rocker Arm Hardwelded We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).						<b>HR-H03</b>
Rocker Arm, Core Please specify year and model when ordering. Price (Each).						<b>RC-H05</b>
Valve Spring Kit With Titanium Retainers & Guides Kit includes performance dual springs, Titanium retainers, bottom cups, shims, and shortened valve guides. OK to .425" valve lift. Price Per Set (4).						<b>VC-H4X</b>
Valve Spring Kit With Titanium Retainers Kit includes performance dual springs and Titanium retainers. OK to .425" valve lift. Price Per Set (4).						<b>VC-H3X</b>
Valve Guide, Shortened OK to .395" lift Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Fits intake and exhaust. Price (Each).						<b>VG-H03</b>

## **Honda ATC 70 (73-87) SOHC 2v**

.220/.220 Good all around profile for stock or modified engines.	250°/250°	230°/230°	315	N/A	<b>55-001</b>	N/A
.270/.270 Strong mid and upper end performance. Use in well prepared engines. Requires Performance Valve Spring Kit.	265°/265°	243°/243°	3	N/A	<b>55-011</b>	N/A
.290/.290 Top end profile for racing engines. Requires High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances!	278°/278°	254°/254°	69	N/A	<b>55-021</b>	N/A
Cam Core Please specify year and model when ordering. Price (Each).						<b>CC-H00</b>
Valve Spring Kit With Aluminum Retainers Kit includes performance dual springs and Aluminum retainers. OK to .350" valve lift. Price Per Set (2).						<b>VC-H70</b>

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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### Honda ATC 90 (71-78) SOHC 2v

.215/.220	261°/256°	241°/236°	15b/15a	N/A	55-051	N/A
Good mid and upper end performance. No head modifications required.						
.250/.250	252°/252°	228°/228°	98mc	N/A	55-031	N/A
Good all around profile for stock or modified engines. Bolts in with no modifications.						
.275/.275	265°/265°	243°/243°	3	N/A	55-041	N/A
Very broad power band, good all around cam. Requires High Compression Piston / Big Bore, Performance Valve Spring Kit, Exhaust System, and Carburetors. Check ALL clearances!						
.309/.309	278°/278°	254°/254°	69	N/A	55-061	N/A
Strong mid and upper end performance. Requires High Compression Piston / Big Bore, Performance Valve Spring Kit, Exhaust System, and Carburetors. Check ALL clearances!						
.322/.322	288°/288°	262°/262°	399	N/A	55-071	N/A
Top end profile for racing engines. Requires High Compression Piston / Big Bore, Performance Valve Spring Kit, Exhaust System, and Carburetors. Check ALL clearances!						

Cam Core **CC-H01**  
Please specify year and model when ordering. Price (Each).

Valve Springs Only **VS-H90**  
Performance dual valve springs. Stock retainers OK.

Valve Spring Kit With Aluminum Retainers **VC-H90**  
Kit includes performance dual springs aluminum retainers, and bottom cups. OK to .350" valve lift. Price Per Set (2).

### Honda TRX 200 SX (86-88) SOHC 2v

.345/.350	264°/264°	240°/240°	245	N/A	55-791	N/A
Bolt in profile increases overall performance throughout RPM range.						
.354/.354	276°/276°	252°/252°	236	N/A	55-801	N/A
Good mid and upper end performance. Requires Performance Valve Spring Kit.						
.392/.392	284°/284°	260°/260°	213	N/A	55-811	N/A
Race profile designed to increase mid and upper end performance. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit.						

Cam Core **CC-H07**  
Please specify year and model when ordering. Price (Each).

Rocker Arm Hardwelded **HR-H24**  
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).

Valve Spring Kit With CrMo Retainers **VC-H2X**  
Kit includes performance dual springs, Chrome Moly retainers, and shims. OK to .450" valve lift. Price Per Set (2).

### Honda TRX 250 EX (01-08) 2v

.330/.303	256°/248°	221°/211°	482+2.5°(5°)/256i	N/A	55-381	N/A
Bolt in profile increases overall performance throughout RPM range.						

Cam Core **CC-H23**  
Please specify year and model when ordering. Price (Each).

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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### Honda TRX 250 Recon A, AC, TE, TM (97-13) 2v

.330/.303	256°/248°	221°/211°	482+2.5°(5°)/256i	N/A	57-161	N/A
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Bolt in profile increases overall performance throughout RPM range.

Cam Core CC-H26  
Please specify year and model when ordering. Price (Each).

### Honda TRX 250 X (87-06) SOHC 4v

.310/.310	266°/266°	242°/242°	245	N/A	55-571	N/A
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Bolt in profile increases overall performance throughout RPM range. Requires Hardwelded Rockers.

.320/.320	270°/270°	246°/246°	236	N/A	55-581	N/A
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Improved mid and upper end performance. Requires Performance Valve Spring Kit, Exhaust System, and Hardwelded Rockers.

.335/.335	280°/280°	254°/254°	254	N/A	55-591	N/A
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Strong mid and upper end performance for racing engines. Requires Performance Valve Spring Kit, Carburetors, Exhaust System, and Hardwelded Rockers.

.360/.360	294°/294°	264°/264°	240	N/A	55-901	N/A
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Special racing profile. Requires Performance Valve Spring Kit, Shortened Valve Guides, Exhaust System, High Compression Piston, Carburetors, and Hardwelded Rockers.

Cam Core CC-H14  
Please specify year and model when ordering. Price (Each).

Rocker Arm Hardwelded HR-H01  
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).

Rocker Arm, Core RC-H14  
Please specify year and model when ordering. Price (Each).

Valve Spring Kit With Titanium Retainers VC-H24  
Kit includes performance dual springs and Titanium retainers. OK to .470 valve lift. Check ALL clearances! Price Per Set (4).

Valves, Stainless Intake Standard Size IV-H09  
Standard size 25.50 mm. Price (Each).

Valves, Stainless Intake Oversized +1 mm OV-H09  
Oversized to 26.50 mm. Price (Each).

Valves, Stainless Exhaust Standard Size EV-H10  
Standard size 22.50 mm. Price (Each).

Valve Guide, Shortened .050" Standard Size VG-H14  
Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Fits intake and exhaust. Can be used for cam profiles up to .380 valve lift. Price (Each).

### Honda TRX 250 X (09-13) 2v

.330/.303	256°/248°	221°/211°	482+2.5°(5°)/256i	N/A	55-381	N/A
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Bolt in profile increases overall performance throughout RPM range.

Cam Core CC-H23  
Please specify year and model when ordering. Price (Each).

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Honda TRX 300 EX Fourtrax (93-09) SOHC 4v

.310/.310	266°/266°	242°/242°	245	N/A	55-571	N/A
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Bolt in profile increases overall performance throughout RPM range. Requires Hardwelded Rockers.

.320/.320	270°/270°	246°/246°	236	N/A	55-581	N/A
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Improved mid and upper end performance. Requires Performance Valve Spring Kit, Exhaust System, and Hardwelded Rockers.

.335/.335	280°/280°	254°/254°	254	N/A	55-591	N/A
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Strong mid and upper end performance for racing engines. Requires Performance Valve Spring Kit, Carburetors, Exhaust System, and Hardwelded Rockers.

.360/.360	294°/294°	264°/264°	240	N/A	55-901	N/A
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Special racing profile. Requires Performance Valve Spring Kit, Shortened Valve Guides, Exhaust System, High Compression Piston, Carburetors, and Hardwelded Rockers.

Cam Core **CC-H14**  
Please specify year and model when ordering. Price (Each).

Rocker Arm Hardwelded **HR-H01**  
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).

Rocker Arm, Core **RC-H14**  
Please specify year and model when ordering. Price (Each).

Valve Spring Kit With Titanium Retainers **VC-H24**  
Kit includes performance dual springs and Titanium retainers. OK to .470 valve lift. Check ALL clearances! Price Per Set (4).

Valves, Stainless Intake Standard Size **IV-H09**  
Standard size 25.50 mm. Price (Each).

Valves, Stainless Intake Oversized +1 mm **OV-H09**  
Oversized to 26.50 mm. Price (Each).

Valves, Stainless Exhaust Standard Size **EV-H10**  
Standard size 22.50 mm. Price (Each).

Valve Guide, Shortened .050" Standard Size **VG-H14**  
Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Fits intake and exhaust. Can be used for cam profiles up to .380 valve lift. Price (Each).

## Honda TRX 300 Utility (88-90) SOHC 2v

.356/.356	260°/260°	238°/238°	402	N/A	55-701	N/A
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Bolt in profile increases overall performance throughout RPM range.

.384/.384	272°/272°	252°/252°	40b	N/A	55-711	N/A
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Strong mid and upper end performance. Requires High Compression Piston, Exhaust System, and Performance Valve Spring Kit.

.384/.384	282°/282°	262°/262°	40c	N/A	55-121	N/A
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Racing profile for high performance applications. Requires High Compression Piston, and Performance Valve Spring Kit.

.395/.395	260°/260°	235°/235°	459	N/A	55-451	N/A
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High lift short duration for increased torque. Requires High Compression Piston, Exhaust System, and Performance Valve Spring Kit.

Cam Core **CC-H04**  
Please specify year and model when ordering. Price (Each).

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
Rocker Arm Hardwelded We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).						HR-H05
Rocker Arm, Core Please specify year and model when ordering. Price (Each).						RC-H01
Valve Springs Only Performance dual valve springs. Stock retainers OK.						VS-HSX
Valve Spring Kit With CrMo Retainers Kit includes performance dual springs Chrome Moly retainers, and bottom cups. OK to .470" valve lift. Price Per Set (2).						VC-HSX

## Honda TRX 300 Utility (91-00) SOHC 2v

.356/.356 Bolt in profile increases overall performance throughout RPM range.	260°/260°	238°/238°	402	N/A	55-701	N/A
.384/.384 Strong mid and upper end performance. Requires High Compression Piston, Exhaust System, and Performance Valve Spring Kit.	272°/272°	252°/252°	40b	N/A	55-711	N/A
.384/.384 Racing profile for high performance applications. Requires High Compression Piston, and Performance Valve Spring Kit.	282°/282°	262°/262°	40c	N/A	55-121	N/A
.395/.395 High lift short duration for increased torque. Requires High Compression Piston, Exhaust System, and Performance Valve Spring Kit.	260°/260°	235°/235°	459	N/A	55-451	N/A
Cam Core Please specify year and model when ordering. Price (Each).						CC-H04
Rocker Arm Hardwelded We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).						HR-H05
Rocker Arm, Core Please specify year and model when ordering. Price (Each).						RC-H01
Valve Springs Only Performance dual valve springs. Stock retainers OK.						VS-HSX
Valve Spring Kit With CrMo Retainers Kit includes performance dual springs Chrome Moly retainers, and bottom cups. OK to .470" valve lift. Price Per Set (2).						VC-HSX

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Honda TRX 350 (86-89) SOHC 4v

.350/.350	252°/252°	228°/228°	180	N/A	55-731	N/A
Bolt in profile increases overall performance throughout RPM range.						
.362/.362	260°/260°	236°/236°	402	N/A	55-741	N/A
Improved mid and upper end performance. Requires High Compression Piston, and Performance Valve Spring Kit.						
.360/.360	284°/284°	254°/254°	213	N/A	55-671	N/A
Strong mid and upper end performance. Requires High Compression Piston, and Performance Valve Spring Kit.						
.392/.392	275°/275°	248°/248°	40b	N/A	55-751	N/A
Race profile designed to increase mid and upper end performance. Requires High Compression Piston, Exhaust System, Performance Valve Spring Kit, and Shortened Valve Guides.						

Cam Core **CC-H05**  
Please specify year and model when ordering. Price (Each).

Rocker Arm Hardwelded **HR-H03**  
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).

Rocker Arm, Core **RC-H05**  
Please specify year and model when ordering. Price (Each).

Valve Spring Kit With Titanium Retainers & Guides **VC-H4X**  
Kit includes performance dual springs, Titanium retainers, bottom cups, shims, and shortened valve guides. OK to .425" valve lift. Price Per Set (4).

Valve Spring Kit With Titanium Retainers **VC-H3X**  
Kit includes performance dual springs and Titanium retainers. OK to .425" valve lift. Price Per Set (4).

Valve Guide, Shortened OK to .395" lift Standard Size **VG-H03**  
Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Fits intake and exhaust. Price (Each).

## Honda TRX 350 Rancher (00-06) 2v

.396/.396	250°/250°	216°/216°	650	N/A	55-281	N/A
Bolt in profile increases overall performance throughout RPM range.						

Cam Core **CC-H19**  
Please specify year and model when ordering. Price (Each).

## Honda TRX 400 EX RFVC (99-13) SOHC 4v

.350/.345	280°/280°	256°/256°	450/451	N/A	55-891	N/A
All around performance with added mid and upper end performance. Stock springs OK. NO CORE REQUIRED Requires High Compression Piston, Exhaust System, and Hardwelded Rockers.						
.378/.378	274°/274°	250°/250°	479	N/A	55-961	N/A
Performance profile designed to increase overall performance. NO CORE REQUIRED Requires Performance Valve Spring Kit, Shortened Valve Guides, High Compression Piston, Exhaust System, and Hardwelded Rockers.						
.385/.370	310°/310°	272°/270°	463/9i	N/A	55-911	N/A
Special profile designed for TT / flat track racing engines. NO CORE REQUIRED Requires Performance Valve Spring Kit, Shortened Valve Guides, High Compression Piston, Exhaust System, and Hardwelded Rockers.						

Cam Core **CC-H16**  
Please specify year and model when ordering. Price (Each).

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
Cam Gear, Adjustable Use with all WEB CAM profiles for precise engine tuning. Price (Each).						CG-H10
Rocker Arm Hardwelded We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).						HR-H00
Rocker Arm, Core Please specify year and model when ordering. Price (Each).						RC-H16
Valve Spring Kit With Titanium Retainers (PM) Kit includes performance dual springs and Titanium retainers. OK up to 0.460" valve lift. Price Per Set (4).						VC-H04
Valves, Stainless Intake Standard Size Standard size 33 mm. Price (Each).						IV-H04
Valves, Stainless Intake Oversized +1 mm Oversized to 34 mm. Price (Each).						IV-H05
Valves, Stainless Exhaust Standard Size Standard size 29 mm. Price (Each).						EV-H04
Valves, Stainless Exhaust Oversized +1 mm Oversized to 30 mm. Price (Each).						OV-H15
Valve Guide, Shortened .100" Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Fits intake and exhaust. Price (Each).						VG-H04

## Honda TRX 400 Foreman (95-03) 2v

.365/.365	286°/286°	248°/248°	643	N/A	55-111	N/A
Performance profile designed to increase overall performance. Stock springs OK. Requires High Compression Piston, and Exhaust System.						
Cam Core Please specify year and model when ordering. Price (Each).						CC-H18

## Honda TRX 400 Rancher (04-07) 2v

.330/.330	252°/252°	216°/216°	482	N/A	57-331	N/A
Bolt in profile increases low and mid range performance.						
.330/.330	262°/262°	226°/226°	964	N/A	57-451	N/A
Bolt in profile increases overall performance throughout RPM range.						
Cam Core Please specify year and model when ordering. Price (Each).						CC-H44

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Honda TRX 450 ER (06-07) SOHC 4v

.355/.342	282°/298°	258°/262°	943/921	N/A	N/A	57-122
Bolt in profile increases overall performance throughout RPM range.						
.381/.342	266°/288°	240°/252°	613/729	N/A	N/A	57-202
Performance profile designed to increase overall performance. Great torque.						
.400/.323	264°/280°	238°/244°	570/993	N/A	N/A	57-512
Performance profile designed to increase overall performance. Excellent throttle response. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit.						
.381/.357	266°/294°	240°/258°	613/812	N/A	N/A	57-102
Excellent torque and acceleration. Not recommended for mid and upper end applications.						
.400/.350	282°/288°	256°/252°	961/962	N/A	N/A	57-442
Performance profile designed to increase mid and upper end. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit.						
.415/.342	276°/288°	252°/252°	493/729	N/A	N/A	55-462
Performance profile designed to increase mid and upper end. Requires Exhaust System, High Compression Piston, Larger Diameter Followers, Shortened Valve Guides, and Performance Valve Spring Kit.						
.408/.342	282°/298°	258°/262°	208/921	N/A	N/A	57-042
Race profile. Works well for TT, Super Motard or MX. Requires Exhaust System, High Compression Piston, Larger Diameter Followers, Shortened Valve Guides, and Performance Valve Spring Kit.						
.415/.410	276°/276°	252°/248°	493/739	N/A	N/A	55-442
High lift, short duration racing profile. Excellent throttle response. Requires Exhaust System, High Compression Piston, Larger Diameter Followers, Shortened Valve Guides, and Performance Valve Spring Kit. Check ALL clearances!						
.418/.342	284°/298°	261°/262°	242/921	N/A	N/A	57-192
Race profile. A WEB CAM winner! Requires Exhaust System, High Compression Piston, Larger Diameter Followers, Shortened Valve Guides, and Performance Valve Spring Kit. Check ALL clearances!						
.432/.350	292°/294°	260°/255°	415/416	N/A	N/A	57-072
The "MYSTO" cam designed for race use ONLY. Works good for big bore applications. Requires Exhaust System, High Compression Piston, Larger Diameter Followers, Shortened Valve Guides, and Performance Valve Spring Kit. Check ALL clearances!						

Cam Gear, Adjustable 36 Teeth **CG-H14**  
Adjustable gear only. For use if you already have a flange pressed on your cam. Can be used with all WEB CAM profiles for precise engine tuning. Price (Each).

Buckets, Shim Under Intake Oversized **CF-H01**  
Oversized to 28 mm shim under intake tappets. Machining required. Fits all models TRX / CRF 450 engines. Check to make sure thrust on cam does not interfere with oversized tappet, if it does you will need to modify thrust surface on cam for proper fit. Check ALL clearances! Price Per Set (2).

Buckets, Shim Under Intake Oversized WPC Coated **CF-H02**  
Recommend to use for extreme racing conditions. WPC Coated Oversized to 28 mm shim under intake tappets. Machining required. Check to make sure thrust on cam does not interfere with oversized tappet, if it does you will need to modify thrust surface on cam for proper fit. Fits all models TRX / CRF 450 engines. Check ALL clearances! Price Per Set (2).

Chain Tensioner, Manual **CT-H04**  
CNC machined from billet alloy to exact tolerances for perfect fit.

Valve Spring Kit With Titanium Retainers **VC-H74**  
Kit includes performance dual springs and Titanium retainers. OK up to 0.440" valve lift. Check ALL clearances! Price Per Set (4).

Valve Spring Kit With Titanium Retainers (High Rev) **VC-H97**  
Kit includes performance single springs and Titanium retainers. Recommend for Flat Track use and Hi-Rev applications. OK up to 12,000 RPM. You do not have to use shortened guides with this kit unless you go over 0.410" intake valve lift and 0.350" exhaust valve lift. Spring can handle 0.435" intake lift, 0.380" exhaust lift. Price Per Set (4).

<b>VALVE LIFT</b>	<b>DURATION</b>	<b>DURATION @.050</b>	<b>GRIND NUMBER</b>	<b>REGRIND</b>	<b>HARD WELD</b>	<b>NEW CAM</b>
Valve Spring Kit With Titanium Retainers Kit includes performance dual springs, Titanium retainers, and bottom cups. OK to .500" valve lift. Recommend using with Titanium valves. Price Per Set (4).						<b>VC-H46</b>
Valve Spring Kit With Titanium Retainers Kit includes performance dual PSI springs, Titanium retainers, and bottoms. OK to 0.500" valve lift. Price Per Set (4).						<b>VC-H15</b>
Valves, Stainless Intake Size Standard size 36 mm, +1 mm OS for the 450 X (05-09). Price (Each).						<b>IV-H15</b>
Valves, Stainless Intake Oversized Oversized +2 mm to 38 mm, +3 mm OS for the 450 X (05-09). Price (Each).						<b>IV-H19</b>
Valves, Stainless Intake Oversized Oversized +1 mm to 37 mm, +2 mm OS for the 450 X (05-09). Price (Each).						<b>IV-H16</b>
Valves, Stainless Exhaust Standard Size Standard size 30 mm. Price (Each).						<b>EV-H07</b>
Valves, Stainless Exhaust Size Standard Size 31 mm for CRF 450 R (02-06), +1 mm oversize for CRF 450 R (07-08), CRF 450 X (05-09), TRX 450 ER (06-09), TRX 450 R (06-09). Price (Each).						<b>EV-H15</b>
Valves, Stainless Exhaust Oversized Oversized +1 mm to 32 mm for CRF 450 R (02-06), +2 mm oversize for CRF 450 R (07-08), CRF 450 X (05-09), TRX 450 ER (06-09), TRX 450 R (06-09). Price (Each).						<b>EV-H16</b>
Valve Guide, Shortened .120" Intake Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Must use for lifts above 0.385". Custom sizes available +.001, +.002, +.004, +.010. Price (Each).						<b>VG-H07-I</b>
Valve Guide, Shortened .095" Exhaust Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Must use for lifts above 0.385". Custom sizes available +.001, +.002, +.004, +.010. Price (Each).						<b>VG-H07-E</b>
PRO Billet Cam Carrier, with 31mm Tappets Our new PRO Series CNC machined billet cam carrier, includes two 31 mm intake tappets. Note: Must be used with our special longer cam billet. Custom grinding available. Fits up to a .500 valve lift profile. Check ALL clearances!						<b>BC-000</b>

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
.369/.342	280°/298°	252°/262°	549/921	N/A	N/A	<b>57-782</b>
Great throttle response. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit.						
.400/.342	282°/288°	256°/252°	961/962	N/A	N/A	<b>57-492</b>
Performance profile designed to increase mid and upper end. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances!						
.408/.342	282°/298°	258°/262°	208/921	N/A	N/A	<b>57-502</b>
Race profile. Works well for TT, Super Motard or MX. Requires Exhaust System, High Compression Piston, Larger Diameter Followers, Shortened Valve Guides, and Performance Valve Spring Kit.						
.415/.342	276°/288°	252°/252°	493/729	N/A	N/A	<b>57-592</b>
Performance profile designed to increase mid and upper end. Requires Exhaust System, High Compression Piston, Larger Diameter Followers, Shortened Valve Guides, and Performance Valve Spring Kit.						
.415/.410	276°/276°	252°/248°	493/739	N/A	N/A	<b>57-542</b>
High lift, short duration racing profile. Excellent throttle response. Requires High Compression Piston, Performance Valve Spring Kit, Shortened Valve Guides, and Larger Diameter Followers. Check ALL clearances!						
.418/.342	284°/298°	261°/262°	242/921	N/A	N/A	<b>57-802</b>
Race profile designed for extreme acceleration with added mid and upper end performance. Requires Exhaust System, High Compression Piston, Larger Diameter Followers, Shortened Valve Guides, and Performance Valve Spring Kit. Check ALL clearances!						
Buckets, Shim Under Intake Oversized WPC Coated						<b>CF-H02</b>
Recommend to use for extreme racing conditions. WPC Coated Oversized to 28 mm shim under intake tappets. Machining required. Check to make sure thrust on cam does not interfere with oversized tappet, if it does you will need to modify thrust surface on cam for proper fit. Fits all models TRX / CRF 450 engines. Check ALL clearances! Price Per Set (2).						
Chain Tensioner, Manual						<b>CT-H04</b>
CNC machined from billet alloy to exact tolerances for perfect fit.						
Valve Spring Kit With Titanium Retainers						<b>VC-H74</b>
Kit includes performance dual springs and Titanium retainers. OK up to 0.440" valve lift. Check ALL clearances! Price Per Set (4).						
Valve Spring Kit With Titanium Retainers (High Rev)						<b>VC-H97</b>
Kit includes performance single springs and Titanium retainers. Recommend for Flat Track use and Hi-Rev applications. OK up to 12,000 RPM. You do not have to use shortened guides with this kit unless you go over 0.410" intake valve lift and 0.350" exhaust valve lift. Spring can handle 0.435" intake lift, 0.380" exhaust lift. Price Per Set (4).						
Valves, Stainless Intake Size						<b>IV-H15</b>
Standard size 36 mm, +1 mm OS for the 450 X (05-09). Price (Each).						
Valves, Stainless Intake Oversized						<b>IV-H19</b>
Oversized +2 mm to 38 mm, +3 mm OS for the 450 X (05-09). Price (Each).						
Valves, Stainless Intake Oversized						<b>IV-H16</b>
Oversized +1 mm to 37 mm, +2 mm OS for the 450 X (05-09). Price (Each).						
Valves, Stainless Exhaust Standard Size						<b>EV-H07</b>
Standard size 30 mm. Price (Each).						
Valves, Stainless Exhaust Size						<b>EV-H15</b>
Standard Size 31 mm for CRF 450 R (02-06), +1 mm oversize for CRF 450 R (07-08), CRF 450 X (05-09), TRX 450 ER (06-09), TRX 450 R (06-09). Price (Each).						
Valves, Stainless Exhaust Oversized						<b>EV-H16</b>
Oversized +1 mm to 32 mm for CRF 450 R (02-06), +2 mm oversize for CRF 450 R (07-08), CRF 450 X (05-09), TRX 450 ER (06-09), TRX 450 R (06-09). Price (Each).						

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
Valve Guide, Shortened .120" Intake Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Must use for lifts above 0.385". Custom sizes available +.001, +.002, +.004, +.010. Price (Each).						VG-H07-I
Valve Guide, Shortened .095" Exhaust Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Must use for lifts above 0.385". Custom sizes available +.001, +.002, +.004, +.010. Price (Each).						VG-H07-E
PRO Billet Cam Carrier, with 31mm Tappets Our new PRO Series CNC machined billet cam carrier, includes two 31 mm intake tappets. Note: Must be used with our special longer cam billet. Custom grinding available. Fits up to a .500 valve lift profile. Check ALL clearances!						BC-000

## Honda TRX 450 Foreman (98-04) 2v

.365/.365	286°/286°	248°/248°	643	N/A	55-111	N/A
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Performance profile designed to increase overall performance. Stock springs OK. Requires High Compression Piston, and Exhaust System.

Cam Core Please specify year and model when ordering. Price (Each).						CC-H18
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## Honda TRX 450 R (04-05) SOHC 4v

.355/.342	282°/298°	258°/262°	943/921	N/A	N/A	57-122
Bolt in profile increases overall performance throughout RPM range.						
.381/.342	266°/288°	240°/252°	613/729	N/A	N/A	57-202
Performance profile designed to increase overall performance. Great torque.						
.400/.323	264°/280°	238°/244°	570/993	N/A	N/A	57-512
Performance profile designed to increase overall performance. Excellent throttle response. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit.						
.381/.357	266°/294°	240°/258°	613/812	N/A	N/A	57-102
Excellent torque and acceleration. Not recommended for mid and upper end applications.						
.400/.350	282°/288°	256°/252°	961/962	N/A	N/A	57-442
Performance profile designed to increase mid and upper end. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit.						
.415/.342	276°/288°	252°/252°	493/729	N/A	N/A	55-462
Performance profile designed to increase mid and upper end. Requires Exhaust System, High Compression Piston, Larger Diameter Followers, Shortened Valve Guides, and Performance Valve Spring Kit.						
.408/.342	282°/298°	258°/262°	208/921	N/A	N/A	57-042
Race profile. Works well for TT, Super Motard or MX. Requires Exhaust System, High Compression Piston, Larger Diameter Followers, Shortened Valve Guides, and Performance Valve Spring Kit.						
.415/.410	276°/276°	252°/248°	493/739	N/A	N/A	55-442
High lift, short duration racing profile. Excellent throttle response. Requires Exhaust System, High Compression Piston, Larger Diameter Followers, Shortened Valve Guides, and Performance Valve Spring Kit. Check ALL clearances!						
.418/.342	284°/298°	261°/262°	242/921	N/A	N/A	57-192
Race profile. A WEB CAM winner! Requires Exhaust System, High Compression Piston, Larger Diameter Followers, Shortened Valve Guides, and Performance Valve Spring Kit. Check ALL clearances!						
.432/.350	292°/294°	260°/255°	415/416	N/A	N/A	57-072
The "MYSTO" cam designed for race use ONLY. Works good for big bore applications. Requires Exhaust System, High Compression Piston, Larger Diameter Followers, Shortened Valve Guides, and Performance Valve Spring Kit. Check ALL clearances!						

<b>VALVE LIFT</b>	<b>DURATION</b>	<b>DURATION @.050</b>	<b>GRIND NUMBER</b>	<b>REGRIND</b>	<b>HARD WELD</b>	<b>NEW CAM</b>
Cam Gear, Adjustable 34 Teeth Use with all WEB CAM profiles for precise engine tuning. Price (Each).						<b>CG-H09</b>
Buckets, Shim Under Intake Oversized Oversized to 28 mm shim under intake tappets. Machining required. Fits all models TRX / CRF 450 engines. Check to make sure thrust on cam does not interfere with oversized tappet, if it does you will need to modify thrust surface on cam for proper fit. Check ALL clearances! Price Per Set (2).						<b>CF-H01</b>
Buckets, Shim Under Intake Oversized WPC Coated Recommend to use for extreme racing conditions. WPC Coated Oversized to 28 mm shim under intake tappets. Machining required. Check to make sure thrust on cam does not interfere with oversized tappet, if it does you will need to modify thrust surface on cam for proper fit. Fits all models TRX / CRF 450 engines. Check ALL clearances! Price Per Set (2).						<b>CF-H02</b>
Chain Tensioner, Manual CNC machined from billet alloy to exact tolerances for perfect fit.						<b>CT-H04</b>
Valve Spring Kit With Titanium Retainers High Rev Kit includes performance single springs and Titanium retainers. Recommend for Flat Track use and Hi-Rev applications. OK up to 12,000 RPM. You do not have to use shortened guides with this kit unless you go over 0.410" intake valve lift and 0.350" exhaust valve lift. Price Per Set (4).						<b>VC-H81</b>
Valve Spring Kit With Titanium Retainers Kit includes performance dual springs, Titanium retainers, and bottoms. Requires valve guides if valve lift is over 0.350" on the intake, and 0.375" valve lift on the exhaust. Valve springs OK to .440" valve lift. Check ALL clearances! Price Per Set (4).						<b>VC-H87</b>
Valves, Stainless Intake Size Standard size 36 mm, +1 mm OS for the 450 X (05-09). Price (Each).						<b>IV-H15</b>
Valves, Stainless Intake Oversized Oversized +2 mm to 38 mm, +3 mm OS for the 450 X (05-09). Price (Each).						<b>IV-H19</b>
Valves, Stainless Intake Oversized Oversized +1 mm to 37 mm, +2 mm OS for the 450 X (05-09). Price (Each).						<b>IV-H16</b>
Valves, Stainless Exhaust Standard Size Standard size 30 mm. Price (Each).						<b>EV-H01</b>
Valves, Stainless Exhaust Oversized +2 mm Oversized to 32 mm. Price (Each).						<b>EV-H05</b>
Valves, Stainless Exhaust Oversized +1 mm Oversized to 31 mm. Price (Each).						<b>EV-H03</b>
Valve Guide, Shortened .200" Intake Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Must use for lifts above 0.385". Custom sizes available +.001, +.002, +.004, +.010. Price (Each).						<b>VG-H10-I</b>
Valve Guide, Shortened .155" Exhaust Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Price (Each).						<b>VG-H10-E</b>
PRO Billet Cam Carrier, with 31mm Tappets Our new PRO Series CNC machined billet cam carrier, includes two 31 mm intake tappets. Note: Must be used with our special longer cam billet. Custom grinding available. Fits up to a .500 valve lift profile. Check ALL clearances!						<b>BC-000</b>

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Honda TRX 450 R (06-09) SOHC 4v

.355/.342	282°/298°	258°/262°	943/921	N/A	N/A	57-122
Bolt in profile increases overall performance throughout RPM range.						
.381/.342	266°/288°	240°/252°	613/729	N/A	N/A	57-202
Performance profile designed to increase overall performance. Great torque.						
.400/.323	264°/280°	238°/244°	570/993	N/A	N/A	57-512
Performance profile designed to increase overall performance. Excellent throttle response. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit.						
.381/.357	266°/294°	240°/258°	613/812	N/A	N/A	57-102
Excellent torque and acceleration. Not recommended for mid and upper end applications.						
.400/.350	282°/288°	256°/252°	961/962	N/A	N/A	57-442
Performance profile designed to increase mid and upper end. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit.						
.415/.342	276°/288°	252°/252°	493/729	N/A	N/A	55-462
Performance profile designed to increase mid and upper end. Requires Exhaust System, High Compression Piston, Larger Diameter Followers, Shortened Valve Guides, and Performance Valve Spring Kit.						
.408/.342	282°/298°	258°/262°	208/921	N/A	N/A	57-042
Race profile. Works well for TT, Super Motard or MX. Requires Exhaust System, High Compression Piston, Larger Diameter Followers, Shortened Valve Guides, and Performance Valve Spring Kit.						
.415/.410	276°/276°	252°/248°	493/739	N/A	N/A	55-442
High lift, short duration racing profile. Excellent throttle response. Requires Exhaust System, High Compression Piston, Larger Diameter Followers, Shortened Valve Guides, and Performance Valve Spring Kit. Check ALL clearances!						
.418/.342	284°/298°	261°/262°	242/921	N/A	N/A	57-192
Race profile. A WEB CAM winner! Requires Exhaust System, High Compression Piston, Larger Diameter Followers, Shortened Valve Guides, and Performance Valve Spring Kit. Check ALL clearances!						
.432/.350	292°/294°	260°/255°	415/416	N/A	N/A	57-072
The "MYSTO" cam designed for race use ONLY. Works good for big bore applications. Requires Exhaust System, High Compression Piston, Larger Diameter Followers, Shortened Valve Guides, and Performance Valve Spring Kit. Check ALL clearances!						

Cam Gear, Adjustable 36 Teeth CG-H14  
Adjustable gear only. For use if you already have a flange pressed on your cam. Can be used with all WEB CAM profiles for precise engine tuning. Price (Each).

Buckets, Shim Under Intake Oversized CF-H01  
Oversized to 28 mm shim under intake tappets. Machining required. Fits all models TRX / CRF 450 engines. Check to make sure thrust on cam does not interfere with oversized tappet, if it does you will need to modify thrust surface on cam for proper fit. Check ALL clearances! Price Per Set (2).

Buckets, Shim Under Intake Oversized WPC Coated CF-H02  
Recommend to use for extreme racing conditions. WPC Coated Oversized to 28 mm shim under intake tappets. Machining required. Check to make sure thrust on cam does not interfere with oversized tappet, if it does you will need to modify thrust surface on cam for proper fit. Fits all models TRX / CRF 450 engines. Check ALL clearances! Price Per Set (2).

Chain Tensioner, Manual CT-H04  
CNC machined from billet alloy to exact tolerances for perfect fit.

Valve Spring Kit With Titanium Retainers VC-H74  
Kit includes performance dual springs and Titanium retainers. OK up to 0.440" valve lift. Check ALL clearances! Price Per Set (4).

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
Valve Spring Kit With Titanium Retainers (High Rev) Kit includes performance single springs and Titanium retainers. Recommend for Flat Track use and Hi-Rev applications. OK up to 12,000 RPM. You do not have to use shortened guides with this kit unless you go over 0.410" intake valve lift and 0.350" exhaust valve lift. Spring can handle 0.435" intake lift, 0.380" exhaust lift. Price Per Set (4).						VC-H97
Valve Spring Kit With Titanium Retainers Kit includes performance dual springs, Titanium retainers, and bottom cups. OK to .500" valve lift. Recommend using with Titanium valves. Price Per Set (4).						VC-H46
Valve Spring Kit With Titanium Retainers Kit includes performance dual PSI springs, Titanium retainers, and bottoms. OK to 0.500" valve lift. Price Per Set (4).						VC-H15
Valves, Stainless Intake Size Standard size 36 mm, +1 mm OS for the 450 X (05-09). Price (Each).						IV-H15
Valves, Stainless Intake Oversized Oversized +2 mm to 38 mm, +3 mm OS for the 450 X (05-09). Price (Each).						IV-H19
Valves, Stainless Intake Oversized Oversized +1 mm to 37 mm, +2 mm OS for the 450 X (05-09). Price (Each).						IV-H16
Valves, Stainless Exhaust Standard Size Standard size 30 mm. Price (Each).						EV-H07
Valves, Stainless Exhaust Size Standard Size 31 mm for CRF 450 R (02-06), +1 mm oversize for CRF 450 R (07-08), CRF 450 X (05-09), TRX 450 ER (06-09), TRX 450 R (06-09). Price (Each).						EV-H15
Valves, Stainless Exhaust Oversized Oversized +1 mm to 32 mm for CRF 450 R (02-06), +2 mm oversize for CRF 450 R (07-08), CRF 450 X (05-09), TRX 450 ER (06-09), TRX 450 R (06-09). Price (Each).						EV-H16
Valve Guide, Shortened .120" Intake Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Must use for lifts above 0.385". Custom sizes available +.001, +.002, +.004, +.010. Price (Each).						VG-H07-I
Valve Guide, Shortened .095" Exhaust Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Must use for lifts above 0.385". Custom sizes available +.001, +.002, +.004, +.010. Price (Each).						VG-H07-E
PRO Billet Cam Carrier, with 31mm Tappets Our new PRO Series CNC machined billet cam carrier, includes two 31 mm intake tappets. Note: Must be used with our special longer cam billet. Custom grinding available. Fits up to a .500 valve lift profile. Check ALL clearances!						BC-000

## Honda TRX 500 Foreman (05-11) 2v

.330/.330	252°/252°	216°/216°	482	N/A	57-341	N/A
Bolt in profile increases low and mid range performance.						
.330/.330	262°/262°	226°/226°	964	N/A	57-081	N/A
Bolt in profile increases overall performance throughout RPM range.						
Cam Core Please specify year and model when ordering. Price (Each).						CC-H37

## Honda TRX 500 Rubicon (01-04) 2v

.250/.218	260°/265°	212°/217°	706/706+2.5°(5°)	N/A	55-301	N/A
Bolt in profile increases overall performance throughout RPM range. Requires High Compression Piston.						
Cam Core Please specify year and model when ordering. Price (Each).						CC-H20

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
<b>Honda TRX 500 Rubicon (05-08) 2v</b>						
.250/.218	260°/265°	212°/217°	706/706+2.5°(5°)	N/A	57-361	N/A
Increases overall performance throughout RPM range. Requires High Compression Piston.						
Cam Core Please specify year and model when ordering. Price (Each).						CC-H45
<b>Honda TRX 650 Rincon (03-05) 4v</b>						
.275/.295	262°/264°	218°/230°	773/774	N/A	57-021	N/A
Bolt in profile increases overall performance throughout RPM range.						
Cam Core Please specify year and model when ordering. Price (Each).						CC-H30
<b>Honda TRX 680 Rincon (06-13) 4v</b>						
.295/.293	264°/280°	230°/236°	774/54	N/A	57-351	N/A
Bolt in profile increases overall performance throughout RPM range.						
Cam Core Please specify year and model when ordering. Price (Each).						CC-H38
<b>Honda TRX 700 XX (08-09) SOHC 4v</b>						
.347/.358			492/89a	N/A	57-731	N/A
Performance profile designed to increase overall performance. Requires Exhaust System, and Hardwelded Rockers.						
.370/.370			694	N/A	57-741	N/A
Mid and top end profile. Requires Exhaust System, Hardwelded Rockers, High Compression Piston, and Performance Valve Spring Kit.						
.380/.380			290	N/A	57-751	N/A
Race profile designed to increase mid and upper end performance. Requires Exhaust System, Hardwelded Rockers, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances!						
Cam Core Please specify year and model when ordering. Price (Each).						CC-H47
Rocker Arm Hardwelded We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).						HR-H15
Rocker Arm, Core Please specify year and model when ordering. Price (Each).						RC-H07
Valve Spring Kit With Titanium Retainers Kit includes performance dual springs,titanium retainers, and base washers. OK to .380 valve lift. Check ALL clearances! Price Per Set (4).						VC-H39
Valves, Stainless Intake Standard Size Standard size 36 mm. Price (Each).						IV-H11
Valves, Stainless Intake Oversized +1 mm Oversized to 37 mm. Price (Each).						IV-H14
Valves, Stainless Exhaust Standard Size Standard size 32 mm. Price (Each).						EV-H09

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
Valves, Stainless Exhaust Oversized +1 mm Oversized to 33 mm. Price (Each).						EV-H12
Valve Guide, Shortened .040" Intake Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Price (Each).						VG-H13-I
Valve Guide, Shortened .040" Exhaust Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Price (Each).						VG-H13-E

## Honda TRX 90 (93-98) SOHC 2v

.230/.230	235°/244°	207°/216°	98mc	N/A	55-971	N/A
Good all around profile for stock or modified engines. Bolts in with no modifications.						
Cam Core Please specify year and model when ordering. Price (Each).						CC-H27
Valve Spring Kit With CrMo Retainers Kit includes performance dual springs, Chrome Moly retainers, bottom cups, and keepers. Price Per Set (2).						VC-H94

## Honda TRX 90 (99-05) SOHC 2v

.230/.230	235°/244°	214°/216°	98mc	N/A	55-981	N/A
Good all around profile for stock or modified engines. Bolts in with no modifications.						
Cam Core Please specify year and model when ordering. Price (Each).						CC-H29
Valve Spring Kit With CrMo Retainers Kit includes performance dual springs, Chrome Moly retainers, bottom cups, and keepers. Price Per Set (2).						VC-H94

## Honda TRX 90, TRX 90 EX (06-13) SOHC 2v

.230/.230	235°/244°	214°/216°	98mc	N/A	57-241	N/A
Good all around profile for stock or modified engines. Bolts in with no modifications.						
Cam Core Please specify year and model when ordering. Price (Each).						CC-H39
Valve Spring Kit With CrMo Retainers Kit includes performance dual springs, Chrome Moly retainers, bottom cups, and keepers. Price Per Set (2).						VC-H94

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Kawasaki Brute Force 650 (05-11) SOHC 8v

.333/.333		205°/205°	150i	N/A	60-601	N/A
Bolt in profile increases throttle response and overall performance throughout RPM range. Price Per Set (2).						
.365/.365		235°/235°	87mc	N/A	61-341	N/A
Designed to increase overall power. Requires Exhaust System, Extended Rockers, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.394/.394		227°/230°	504	N/A	60-971	N/A
High lift, short duration for extreme acceleration. Requires Exhaust System, Extended Rockers, and Valve Spring Kit and Piston Kit recommended if using a high rev box. Price Per Set (2).						
.400/.400		234°/234°	89mc	N/A	61-351	N/A
The famous trail profile is back!! Designed to increase mid and upper end. Requires Exhaust System, Performance Valve Spring Kit, Extended Rockers, and High Compression Piston. Check ALL clearances! Price Per Set (2).						
Cam Core						CC-K11
Please specify year and model when ordering. Price Per Set (2).						
Rocker Arm, Extended Hardwelded						ER-K02
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).						
Rocker Arm, Core						RC-K02
Please specify year and model when ordering. Price (Each).						
Valve Spring Kit With CrMo Retainers						VC-K17
Kit includes performance dual springs and Chrome Moly retainers. OK up to 0.450" valve lift. Price Per Set (8).						
Valve Spring Kit With Titanium Retainers						VC-K22
Kit includes performance dual springs, titanium retainers and heat treated steel base washers. Must shorten valve guides with lifts over 0.430". Then will work up to 0.500" lift. Price Per Set (8).						
Valves, Stainless Intake Standard Size						IV-K03
Standard size 30 mm. Price (Each).						
Valves, Stainless Intake Oversized +1 mm						IV-K04
Oversized to 31 mm. Price (Each).						
Valves, Stainless Exhaust Standard Size						EV-K03
Standard size 26 mm. Price (Each).						
Valves, Stainless Exhaust Oversized +1 mm						EV-K04
Oversized to 27 mm. Price (Each).						
Valve Guide, Shortened .070" Standard Size						VG-K01
Made from special C630 Bronze material for longer wear. Standard size. Adds .070 additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Fits intake and exhaust. Price (Each).						

Custom grinding is available please call us directly for more details.

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
.333/.333		205°/205°	150i	N/A	<b>60-601</b>	N/A
Bolt in profile increases throttle response and overall performance throughout RPM range. Price Per Set (2).						
.365/.365		235°/235°	87mc	N/A	<b>61-341</b>	N/A
Designed to increase overall power. Requires Exhaust System, Extended Rockers, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.394/.394		227°/230°	504	N/A	<b>60-971</b>	N/A
High lift, short duration for extreme acceleration. Requires Exhaust System, Extended Rockers, and Valve Spring Kit and Piston Kit recommended if using a high rev box. Price Per Set (2).						
.400/.400		234°/234°	89mc	N/A	<b>61-351</b>	N/A
The famous trail profile is back!! Designed to increase mid and upper end. Requires Exhaust System, Performance Valve Spring Kit, Extended Rockers, and High Compression Piston. Check ALL clearances! Price Per Set (2).						
.394/.394		251°/254°		N/A	<b>61-711</b>	N/A
STAGE 2 Exclusive performance profile designed for Four Stroke Tech. If you wish to order please call them directly @814/842-6159 between the hours of 3:00 pm - 6:00 pm EST, or email 4stroke@mbarqmail.com. Please note: These cams are checked at .040. Price Per Set (2).						
.412/.412		268°/268°		N/A	<b>61-721</b>	N/A
STAGE 3 Exclusive performance profile designed for Four Stroke Tech. If you wish to order please call them directly @814/842-6159 between the hours of 3:00 pm - 6:00 pm EST, or email 4stroke@mbarqmail.com. Please note: These cams are checked at .040. Price Per Set (2).						
Cam Core						<b>CC-K11</b>
Please specify year and model when ordering. Price Per Set (2).						
Rocker Arm, Extended Hardwelded						<b>ER-K02</b>
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).						
Rocker Arm, Core						<b>RC-K02</b>
Please specify year and model when ordering. Price (Each).						
Valve Spring Kit With CrMo Retainers						<b>VC-K17</b>
Kit includes performance dual springs and Chrome Moly retainers. OK up to 0.450" valve lift. Price Per Set (8).						
Valve Spring Kit With Titanium Retainers						<b>VC-K22</b>
Kit includes performance dual springs, titanium retainers and heat treated steel base washers. Must shorten valve guides with lifts over 0.430". Then will work up to 0.500" lift. Price Per Set (8).						
Valves, Stainless Intake Standard Size						<b>IV-K03</b>
Standard size 30 mm. Price (Each).						
Valves, Stainless Intake Oversized +1 mm						<b>IV-K04</b>
Oversized to 31 mm. Price (Each).						
Valves, Stainless Exhaust Standard Size						<b>EV-K03</b>
Standard size 26 mm. Price (Each).						
Valves, Stainless Exhaust Oversized +1 mm						<b>EV-K04</b>
Oversized to 27 mm. Price (Each).						
Valve Guide, Shortened .070" Standard Size						<b>VG-K01</b>
Made from special C630 Bronze material for longer wear. Standard size. Adds .070 additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Fits intake and exhaust. Price (Each).						

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Kawasaki Brute Force 750 (05-11) SOHC 8v

.333/.333		205°/205°	150i	N/A	<b>60-601</b>	N/A
Bolt in profile increases throttle response and overall performance throughout RPM range. Price Per Set (2).						
.365/.365		235°/235°	87mc	N/A	<b>61-341</b>	N/A
Designed to increase overall power. Requires Exhaust System, Extended Rockers, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.394/.394		227°/230°	504	N/A	<b>60-971</b>	N/A
High lift, short duration for extreme acceleration. Requires Exhaust System, Extended Rockers, and Valve Spring Kit and Piston Kit recommended if using a high rev box. Price Per Set (2).						
.400/.400		234°/234°	89mc	N/A	<b>61-351</b>	N/A
The famous trail profile is back!! Designed to increase mid and upper end. Requires Exhaust System, Performance Valve Spring Kit, Extended Rockers, and High Compression Piston. Check ALL clearances! Price Per Set (2).						
.394/.394		251°/254°		N/A	<b>61-711</b>	N/A
STAGE 2 Exclusive performance profile designed for Four Stroke Tech. If you wish to order please call them directly @814/842-6159 between the hours of 3:00 pm - 6:00 pm EST, or email 4stroke@mbarqmail.com. Please note: These cams are checked at .040. Price Per Set (2).						
.412/.412		268°/268°		N/A	<b>61-721</b>	N/A
STAGE 3 Exclusive performance profile designed for Four Stroke Tech. If you wish to order please call them directly @814/842-6159 between the hours of 3:00 pm - 6:00 pm EST, or email 4stroke@mbarqmail.com. Please note: These cams are checked at .040. Price Per Set (2).						
Cam Core						<b>CC-K11</b>
Please specify year and model when ordering. Price Per Set (2).						
Rocker Arm, Extended Hardwelded						<b>ER-K02</b>
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).						
Rocker Arm, Core						<b>RC-K02</b>
Please specify year and model when ordering. Price (Each).						
Valve Spring Kit With CrMo Retainers						<b>VC-K17</b>
Kit includes performance dual springs and Chrome Moly retainers. OK up to 0.450" valve lift. Price Per Set (8).						
Valve Spring Kit With Titanium Retainers						<b>VC-K22</b>
Kit includes performance dual springs, titanium retainers and heat treated steel base washers. Must shorten valve guides with lifts over 0.430". Then will work up to 0.500" lift. Price Per Set (8).						
Valves, Stainless Intake Standard Size						<b>IV-K03</b>
Standard size 30 mm. Price (Each).						
Valves, Stainless Intake Oversized +1 mm						<b>IV-K04</b>
Oversized to 31 mm. Price (Each).						
Valves, Stainless Exhaust Standard Size						<b>EV-K03</b>
Standard size 26 mm. Price (Each).						
Valves, Stainless Exhaust Oversized +1 mm						<b>EV-K04</b>
Oversized to 27 mm. Price (Each).						
Valve Guide, Shortened .070" Standard Size						<b>VG-K01</b>
Made from special C630 Bronze material for longer wear. Standard size. Adds .070 additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Fits intake and exhaust. Price (Each).						

Custom grinding is available please call us directly for more details.

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
<b>Kawasaki KFX 250 (2004) DOHC 4v</b>						
.350/.350	262°/262°	236°/236°	228	N/A	60-271	N/A
Bolt in profile increases overall performance throughout RPM range. Price Per Set (2).						
.380/.380	284°/284°	258°/258°	236	N/A	60-281	N/A
Race profile designed to increase mid and upper end performance. Requires a KLR 250 black box order directly from Kawasaki PN 21119-1180, Performance Valve Spring Kit, and removing rev limiter. Price Per Set (2).						
Cam Core						CC-K08
Please specify year and model when ordering. Price Per Set (2).						
Rocker Arm Hardwelded						HR-K03
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).						
Valve Spring Kit With Titanium Retainers						VC-K02
Kit includes performance dual springs, Titanium retainers, and bottom cups. OK to .450" valve lift. Price Per Set (4).						
Valves, Stainless Intake Standard Size						IV-K09
Standard size 25 mm. Price (Each).						
Valves, Stainless Intake Oversized +1.5 mm						IV-K10
Oversized to 30.5 mm. Price (Each).						
Valves, Stainless Exhaust Standard Size						EV-K09
Standard size 24.5 mm. Price (Each).						
Valves, Stainless Exhaust Oversized + .5 mm						EV-K10
Oversized to 25 mm. Price (Each).						
Valve Guide, Stock Height Replacements Standard Size						VG-K04
Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.002. Fits intake and exhaust. Price (Each).						

## Kawasaki KFX 400 (03-06) DOHC 4v

.343/.322	250°/246°	224°/220°	631/294	N/A	70-581	70-582
Bolt in profile increases overall performance throughout RPM range. Price Per Set (2).						
.360/.378	248°/268°	226°/244°	293/536	N/A	70-811	70-812
Performance profile designed to increase overall performance. Cams have a reduced base circle. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).						
.368/.360	260°/248°	234°/226°	288/293	N/A	70-591	70-592
High lift to increase torque and increase overall performance. Cams have a reduced base circle. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).						
.368/.384	260°/272°	234°/248°	288/540	N/A	70-821	70-822
Race profile for built engines. Cams have a reduced base circle. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.384/.400	272°/280°	248°/256°	540/539	N/A	70-691	70-692
Race profile for built engines. Cam has a reduced base circle. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
Cam Core						CC-S08
Please specify year and model when ordering. New cams are sold outright. No core required. Price Per Set (2).						
Cam Gear, Adjustable With Adaptors						CG-S04
Use with all WEB CAM profiles for precise engine tuning. Kit includes adjustable sprockets, adapters, cam bolts. Price Per Set (2).						

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
Valve Spring Kit With Titanium Retainers Kit includes performance dual springs, Titanium retainers, and bottoms. OK to .440" valve lift. Price Per Set (4).						VC-S40
Valves, Stainless Intake Standard Size Standard size 36 mm. Price (Each).						IV-S03
Valves, Stainless Intake Oversized +1 mm Oversized to 37 mm. Price (Each).						IV-S04
Valves, Stainless Exhaust Standard Size Standard size 29 mm. Price (Each).						EV-S03
Valves, Stainless Exhaust Oversized +1 mm Oversized to 30 mm. Price (Each).						EV-S04
Valve Guide, Shortened .050" Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Fits intake and exhaust. Price (Each).						VG-S01

## Kawasaki KFX 450 R (08-13) DOHC 4v

.360/.345	266°/269°	242°/245°	297/970	N/A	60-811	N/A
Performance profile designed to increase overall performance. Good throttle response. Requires High Compression Piston, and Exhaust System. Price Per Set (2).						
.355/.355	276°/282°	252°/258°	187/943	N/A	60-841	N/A
Performance profile designed to increase mid and upper end. Stock springs OK. Requires High Compression Piston, and Exhaust System. Price Per Set (2).						
.356/.363	282°/286°	262°/263°	963/216	N/A	60-821	N/A
Performance profile designed to increase mid and upper end. Good for TT and motocross applications. Requires High Compression Piston, and Exhaust System. Price Per Set (2).						
.415/.363	276°/286°	252°/263°	493/216	N/A	60-831	N/A
Very high lift racing profile. Works well for drag race applications. Requires High Compression Piston, and Exhaust System. Price Per Set (2).						
.418/.363	284°/286°	261°/263°	242/216	N/A	60-891	N/A
Performance profile designed to increase mid and upper end. Good for TT and motocross applications. Requires Exhaust System, and High Compression Piston. Check ALL clearances! Price Per Set (2).						
Cam Core						CC-K18
Please specify year and model when ordering. Price Per Set (2).						
Valve Spring Kit With Titanium Retainers						VC-K29
Kit includes performance dual springs Titanium retainers and lower collars. OK to .415" valve lift. Price Per Set (4).						
Valves, Stainless Intake Standard Size						IV-K07
Standard size 36 mm. Price (Each).						
Valves, Stainless Intake Oversized +1 mm						IV-K08
Oversized to 37 mm. Price (Each).						
Valves, Stainless Exhaust Standard Size						EV-K07
Standard size 31 mm. Price (Each).						
Valves, Stainless Exhaust Oversized +1 mm						EV-K08
Oversized to 32 mm. Price (Each).						
Valve Guide, Shortened .130" (IN), .050" (EX) Standard Size						VG-K02
Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Fits intake and exhaust. Price (Each).						

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
.333/.333		205°/205°	150i	N/A	<b>60-601</b>	N/A
Bolt in profile increases throttle response and overall performance throughout RPM range. Price Per Set (2).						
.365/.365		235°/235°	87mc	N/A	<b>61-341</b>	N/A
Designed to increase overall power. Requires Exhaust System, Extended Rockers, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.394/.394		227°/230°	504	N/A	<b>60-971</b>	N/A
High lift, short duration for extreme acceleration. Requires Exhaust System, Extended Rockers, and Valve Spring Kit and Piston Kit recommended if using a high rev box. Price Per Set (2).						
.400/.400		234°/234°	89mc	N/A	<b>61-351</b>	N/A
The famous trail profile is back!! Designed to increase mid and upper end. Requires Exhaust System, Performance Valve Spring Kit, Extended Rockers, and High Compression Piston. Check ALL clearances! Price Per Set (2).						
.394/.394		251°/254°		N/A	<b>61-711</b>	N/A
STAGE 2 Exclusive performance profile designed for Four Stroke Tech. If you wish to order please call them directly @814/842-6159 between the hours of 3:00 pm - 6:00 pm EST, or email 4stroke@mbarqmail.com. Please note: These cams are checked at .040. Price Per Set (2).						
.412/.412		268°/268°		N/A	<b>61-721</b>	N/A
STAGE 3 Exclusive performance profile designed for Four Stroke Tech. If you wish to order please call them directly @814/842-6159 between the hours of 3:00 pm - 6:00 pm EST, or email 4stroke@mbarqmail.com. Please note: These cams are checked at .040. Price Per Set (2).						
Cam Core						<b>CC-K11</b>
Please specify year and model when ordering. Price Per Set (2).						
Rocker Arm, Extended Hardwelded						<b>ER-K02</b>
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).						
Rocker Arm, Core						<b>RC-K02</b>
Please specify year and model when ordering. Price (Each).						
Valve Spring Kit With CrMo Retainers						<b>VC-K17</b>
Kit includes performance dual springs and Chrome Moly retainers. OK up to 0.450" valve lift. Price Per Set (8).						
Valve Spring Kit With Titanium Retainers						<b>VC-K22</b>
Kit includes performance dual springs, titanium retainers and heat treated steel base washers. Must shorten valve guides with lifts over 0.430". Then will work up to 0.500" lift. Price Per Set (8).						
Valves, Stainless Intake Standard Size						<b>IV-K03</b>
Standard size 30 mm. Price (Each).						
Valves, Stainless Intake Oversized +1 mm						<b>IV-K04</b>
Oversized to 31 mm. Price (Each).						
Valves, Stainless Exhaust Standard Size						<b>EV-K03</b>
Standard size 26 mm. Price (Each).						
Valves, Stainless Exhaust Oversized +1 mm						<b>EV-K04</b>
Oversized to 27 mm. Price (Each).						
Valve Guide, Shortened .070" Standard Size						<b>VG-K01</b>
Made from special C630 Bronze material for longer wear. Standard size. Adds .070 additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Fits intake and exhaust. Price (Each).						

Custom grinding is available please call us directly for more details.

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Kawasaki Mojave 250 (87-04) DOHC 4v

.350/.350	262°/262°	236°/236°	228	N/A	60-271	N/A
Bolt in profile increases overall performance throughout RPM range. Price Per Set (2).						
.380/.380	284°/284°	258°/258°	236	N/A	60-281	N/A
Race profile designed to increase mid and upper end performance. Requires a KLR 250 black box order directly from Kawasaki PN 21119-1180, Performance Valve Spring Kit, and removing rev limiter. Price Per Set (2).						
Cam Core	Please specify year and model when ordering. Price Per Set (2).					CC-K08
Rocker Arm Hardwelded	We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).					HR-K03
Valve Spring Kit With Titanium Retainers	Kit includes performance dual springs, Titanium retainers, and bottom cups. OK to .450" valve lift. Price Per Set (4).					VC-K02
Valves, Stainless Intake Standard Size	Standard size 25 mm. Price (Each).					IV-K09
Valves, Stainless Intake Oversized +1.5 mm	Oversized to 30.5 mm. Price (Each).					IV-K10
Valves, Stainless Exhaust Standard Size	Standard size 24.5 mm. Price (Each).					EV-K09
Valves, Stainless Exhaust Oversized + .5 mm	Oversized to 25 mm. Price (Each).					EV-K10
Valve Guide, Stock Height Replacements Standard Size	Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.002. Fits intake and exhaust. Price (Each).					VG-K04

## Kawasaki Prairie 650 (02-03) SOHC 8v

.333/.333	205°/205°		150i	N/A	60-601	N/A
Bolt in profile increases throttle response and overall performance throughout RPM range. Price Per Set (2).						
.365/.365	235°/235°		87mc	N/A	61-341	N/A
Designed to increase overall power. Requires Exhaust System, Extended Rockers, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.394/.394	227°/230°		504	N/A	60-971	N/A
High lift, short duration for extreme acceleration. Requires Exhaust System, Extended Rockers, and Valve Spring Kit and Piston Kit recommended if using a high rev box. Price Per Set (2).						
.400/.400	234°/234°		89mc	N/A	61-351	N/A
The famous trail profile is back!! Designed to increase mid and upper end. Requires Exhaust System, Performance Valve Spring Kit, Extended Rockers, and High Compression Piston. Check ALL clearances! Price Per Set (2).						
Cam Core	Please specify year and model when ordering. Price Per Set (2).					CC-K11
Rocker Arm, Extended Hardwelded	We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).					ER-K02
Rocker Arm, Core	Please specify year and model when ordering. Price (Each).					RC-K02

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
Valve Spring Kit With CrMo Retainers Kit includes performance dual springs and Chrome Moly retainers. OK up to 0.450" valve lift. Price Per Set (8).						VC-K17
Valve Spring Kit With Titanium Retainers Kit includes performance dual springs, titanium retainers and heat treated steel base washers. Must shorten valve guides with lifts over 0.430". Then will work up to 0.500" lift. Price Per Set (8).						VC-K22
Valves, Stainless Intake Standard Size Standard size 30 mm. Price (Each).						IV-K03
Valves, Stainless Intake Oversized +1 mm Oversized to 31 mm. Price (Each).						IV-K04
Valves, Stainless Exhaust Standard Size Standard size 26 mm. Price (Each).						EV-K03
Valves, Stainless Exhaust Oversized +1 mm Oversized to 27 mm. Price (Each).						EV-K04
Valve Guide, Shortened .070" Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds .070 additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Fits intake and exhaust. Price (Each).						VG-K01

Custom grinding is available please call us directly for more details.

## Kawasaki Prairie 700 (04-06) SOHC 8v

.333/.333 Bolt in profile increases throttle response and overall performance throughout RPM range. Price Per Set (2).	205°/205°		150i	N/A	60-601	N/A
.365/.365 Designed to increase overall power. Requires Exhaust System, Extended Rockers, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).	235°/235°		87mc	N/A	61-341	N/A
.394/.394 High lift, short duration for extreme acceleration. Requires Exhaust System, Extended Rockers, and Valve Spring Kit and Piston Kit recommended if using a high rev box. Price Per Set (2).	227°/230°		504	N/A	60-971	N/A
.400/.400 The famous trail profile is back!! Designed to increase mid and upper end. Requires Exhaust System, Performance Valve Spring Kit, Extended Rockers, and High Compression Piston. Check ALL clearances! Price Per Set (2).	234°/234°		89mc	N/A	61-351	N/A
.394/.394 STAGE 2 Exclusive performance profile designed for Four Stroke Tech. If you wish to order please call them directly @814/842-6159 between the hours of 3:00 pm - 6:00 pm EST, or email 4stroke@mbarqmail.com. Please note: These cams are checked at .040. Price Per Set (2).	251°/254°			N/A	61-711	N/A
.412/.412 STAGE 3 Exclusive performance profile designed for Four Stroke Tech. If you wish to order please call them directly @814/842-6159 between the hours of 3:00 pm - 6:00 pm EST, or email 4stroke@mbarqmail.com. Please note: These cams are checked at .040. Price Per Set (2).	268°/268°			N/A	61-721	N/A
Cam Core Please specify year and model when ordering. Price Per Set (2).						CC-K11
Rocker Arm, Extended Hardwelded We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).						ER-K02
Rocker Arm, Core Please specify year and model when ordering. Price (Each).						RC-K02

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
Valve Spring Kit With CrMo Retainers Kit includes performance dual springs and Chrome Moly retainers. OK up to 0.450" valve lift. Price Per Set (8).						VC-K17
Valve Spring Kit With Titanium Retainers Kit includes performance dual springs, titanium retainers and heat treated steel base washers. Must shorten valve guides with lifts over 0.430". Then will work up to 0.500" lift. Price Per Set (8).						VC-K22
Valves, Stainless Intake Standard Size Standard size 30 mm. Price (Each).						IV-K03
Valves, Stainless Intake Oversized +1 mm Oversized to 31 mm. Price (Each).						IV-K04
Valves, Stainless Exhaust Standard Size Standard size 26 mm. Price (Each).						EV-K03
Valves, Stainless Exhaust Oversized +1 mm Oversized to 27 mm. Price (Each).						EV-K04
Valve Guide, Shortened .070" Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds .070 additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Fits intake and exhaust. Price (Each).						VG-K01

Custom grinding is available please call us directly for more details.

## KTM 450 SX (2009) DOHC 4v

.466/.420 Excellent torque profile. Price Per Set (2).	244°/232°		88mc/217	N/A	62-011	N/A
.460/.430 Bolt in profile increases overall performance throughout RPM range. Price Per Set (2).	258°/255°		88a/673	N/A	62-121	N/A
.480/.440 Performance profile designed to increase mid and upper end. Requires High Compression Piston, Exhaust System, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).	267°/258°		808/709	N/A	62-021	N/A
Cam Core Please specify year and model when ordering. For core returns we only except the later style cam cores that are marked on the cams 77336009300 on the intake, and 77336009444 on the exhaust. Price Per Set (2).						CC-K15

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## KTM 450 XC (07-09) SOHC 4v

.387/.387	288°/282°		612/637	N/A	N/A	62-052
Excellent torque profile.						
.392/.387	296°/287°		673/291	N/A	N/A	62-042
Torque plus profile designed to increase acceleration without losing the top end.						
.410/.410	309°/309°		821	N/A	N/A	62-032
Performance profile designed to increase mid and upper end. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances!						
.431/.410	321°/309°		820/821	N/A	N/A	62-062
Performance profile designed to increase mid and upper end. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances!						

Valve Spring Kit With Titanium Retainers Beehive (Race) **VC-P06**  
 Kit includes performance single Beehive springs, Titanium retainers, bottom cups, and shims. Must modify the stock keepers for cams profiles above 0.400" valve lift. OK to 0.450" valve lift. Recommended for mild applications. Check ALL clearances! Price Per Set (4).

Valve Spring Kit With Titanium Retainers **VC-P05**  
 Kit includes performance dual springs, Titanium retainers, bottom cups, and shims. Must modify the stock keepers for cams profiles above .400" valve lift. OK to 0.500" lift. Recommend for high RPM applications. Check ALL clearances! Price Per Set (4).

## KTM 505 SX (2009) DOHC 4v

.466/.420	244°/232°		88mc/217	N/A	62-011	N/A
Excellent torque profile. Price Per Set (2).						
.460/.430	258°/255°		88a/673	N/A	62-121	N/A
Bolt in profile increases overall performance throughout RPM range. Price Per Set (2).						
.480/.440	267°/258°		808/709	N/A	62-021	N/A
Performance profile designed to increase mid and upper end. Requires High Compression Piston, Exhaust System, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						

Cam Core **CC-K15**  
 Please specify year and model when ordering. For core returns we only except the later style cam cores that are marked on the cams 77336009300 on the intake, and 77336009444 on the exhaust. Price Per Set (2).

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
<b>KTM 525 XC (06-09) SOHC 4v</b>						
.387/.387	288°/282°		612/637	N/A	N/A	62-052
Excellent torque profile.						
.392/.387	296°/287°		673/291	N/A	N/A	62-042
Torque plus profile designed to increase acceleration without losing the top end.						
.410/.410	309°/309°		821	N/A	N/A	62-032
Performance profile designed to increase mid and upper end. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances!						
.431/.410	321°/309°		820/821	N/A	N/A	62-062
Performance profile designed to increase mid and upper end. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances!						
Valve Spring Kit With Titanium Retainers Beehive (Race)						VC-P06
Kit includes performance single Beehive springs, Titanium retainers, bottom cups, and shims. Must modify the stock keepers for cams profiles above 0.400" valve lift. OK to 0.450" valve lift. Recommended for mild applications. Check ALL clearances! Price Per Set (4).						
Valve Spring Kit With Titanium Retainers						VC-P05
Kit includes performance dual springs, Titanium retainers, bottom cups, and shims. Must modify the stock keepers for cams profiles above .400" valve lift. OK to 0.500" lift. Recommend for high RPM applications. Check ALL clearances! Price Per Set (4).						
<b>Kymco Mongoose 90 SOHC 2v</b>						
			98mc	N/A	56-051	N/A
Performance profile designed to increase overall performance.						
<b>Polaris 650 Twin (2002) SOHC 8v</b>						
.333/.333	205°/205°		150i	N/A	60-601	N/A
Bolt in profile increases throttle response and overall performance throughout RPM range. Price Per Set (2).						
.365/.365	235°/235°		87mc	N/A	61-341	N/A
Designed to increase overall power. Requires Exhaust System, Extended Rockers, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.394/.394	227°/230°		504	N/A	60-971	N/A
High lift, short duration for extreme acceleration. Requires Exhaust System, Extended Rockers, and Valve Spring Kit and Piston Kit recommended if using a high rev box. Price Per Set (2).						
.400/.400	234°/234°		89mc	N/A	61-351	N/A
The famous trail profile is back!! Designed to increase mid and upper end. Requires Exhaust System, Performance Valve Spring Kit, Extended Rockers, and High Compression Piston. Check ALL clearances! Price Per Set (2).						
Cam Core						CC-K11
Please specify year and model when ordering. Price Per Set (2).						
Rocker Arm, Extended Hardwelded						ER-K02
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).						
Rocker Arm, Core						RC-K02
Please specify year and model when ordering. Price (Each).						
Valve Spring Kit With CrMo Retainers						VC-K17
Kit includes performance dual springs and Chrome Moly retainers. OK up to 0.450" valve lift. Price Per Set (8).						

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
Valve Spring Kit With Titanium Retainers Kit includes performance dual springs, titanium retainers and heat treated steel base washers. Must shorten valve guides with lifts over 0.430". Then will work up to 0.500" lift. Price Per Set (8).						VC-K22
Valves, Stainless Intake Standard Size Standard size 30 mm. Price (Each).						IV-K03
Valves, Stainless Intake Oversized +1 mm Oversized to 31 mm. Price (Each).						IV-K04
Valves, Stainless Exhaust Standard Size Standard size 26 mm. Price (Each).						EV-K03
Valves, Stainless Exhaust Oversized +1 mm Oversized to 27 mm. Price (Each).						EV-K04
Valve Guide, Shortened .070" Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds .070 additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Fits intake and exhaust. Price (Each).						VG-K01

Custom grinding is available please call us directly for more details.

## Polaris Big Boss 500 (98-02) SOHC 4v

.335/.335	256°/256°	230°/230°	653	N/A	56-001	N/A
Performance profile designed to increase overall performance. Stock springs OK. Requires High Compression Piston. Price (Each).						
Cam Core Please specify year and model when ordering. Price (Each).						CC-P00
Rocker Arm Hardwelded Intake We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).						HR-P03
Rocker Arm Hardwelded Exhaust We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).						HR-P02
Rocker Arm, Core Intake Please specify year and model when ordering. Price (Each).						RC-P03
Rocker Arm, Core Exhaust Please specify year and model when ordering. Price (Each).						RC-P02

Note: This cam profile does not come with a compression release!

## Polaris Magnum 325 (00-02) SOHC 2v

.320/.320	290°/290°		623+7.5°(15°)	N/A	56-011	N/A
Performance profile designed to increase overall performance. Stock springs OK. Requires Big Bore, and High Compression Piston.						
.320/.320	290°/290°		653	N/A	56-161	N/A
Performance profile designed to increase overall performance. Stock springs OK.						
Cam Core Please specify year and model when ordering. Price (Each).						CC-P01

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Polaris Magnum 500 (95-03) SOHC 4v

.335/.335	256°/256°	230°/230°	653	N/A	56-001	N/A
Performance profile designed to increase overall performance. Stock springs OK. Requires High Compression Piston. Price (Each).						
Cam Core	Please specify year and model when ordering. Price (Each).					CC-P00
Rocker Arm Hardwelded Intake	We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).					HR-P03
Rocker Arm Hardwelded Exhaust	We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).					HR-P02
Rocker Arm, Core Intake	Please specify year and model when ordering. Price (Each).					RC-P03
Rocker Arm, Core Exhaust	Please specify year and model when ordering. Price (Each).					RC-P02

Note: This cam profile does not come with a compression release!

## Polaris Outlaw 450 (08-10) SOHC 4v

.387/.387	288°/282°		612/637	N/A	N/A	62-052
Excellent torque profile.						
.392/.387	296°/287°		673/291	N/A	N/A	62-042
Torque plus profile designed to increase acceleration without losing the top end.						
.410/.410	309°/309°		821	N/A	N/A	62-032
Performance profile designed to increase mid and upper end. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances!						
.431/.410	321°/309°		820/821	N/A	N/A	62-062
Performance profile designed to increase mid and upper end. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances!						
Valve Spring Kit With Titanium Retainers Beehive (Race)	Kit includes performance single Beehive springs, Titanium retainers, bottom cups, and shims. Must modify the stock keepers for cams profiles above 0.400" valve lift. OK to 0.450" valve lift. Recommended for mild applications. Check ALL clearances! Price Per Set (4).					VC-P06
Valve Spring Kit With Titanium Retainers	Kit includes performance dual springs, Titanium retainers, bottom cups, and shims. Must modify the stock keepers for cams profiles above .400" valve lift. OK to 0.500" lift. Recommend for high RPM applications. Check ALL clearances! Price Per Set (4).					VC-P05

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Polaris Outlaw 525 (07-09) SOHC 4v

.387/.387	288°/282°		612/637	N/A	N/A	62-052
Excellent torque profile.						
.392/.387	296°/287°		673/291	N/A	N/A	62-042
Torque plus profile designed to increase acceleration without losing the top end.						
.410/.410	309°/309°		821	N/A	N/A	62-032
Performance profile designed to increase mid and upper end. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances!						
.431/.410	321°/309°		820/821	N/A	N/A	62-062
Performance profile designed to increase mid and upper end. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances!						

Valve Spring Kit With Titanium Retainers Beehive (Race) **VC-P06**  
 Kit includes performance single Beehive springs, Titanium retainers, bottom cups, and shims. Must modify the stock keepers for cams profiles above 0.400" valve lift. OK to 0.450" valve lift. Recommended for mild applications. Check ALL clearances! Price Per Set (4).

Valve Spring Kit With Titanium Retainers **VC-P05**  
 Kit includes performance dual springs, Titanium retainers, bottom cups, and shims. Must modify the stock keepers for cams profiles above .400" valve lift. OK to 0.500" lift. Recommend for high RPM applications. Check ALL clearances! Price Per Set (4).

## Polaris Predator 500 (03-07) DOHC 4v

.432/.432	262°/262°	238°/238°	260i	N/A	56-031	N/A
Bolt in profile increases throttle response and overall performance throughout RPM range. If using hi rev box must use Performance Spring Kit VC-PO3. Recommend New Followers CF-PO1. Price Per Set (2).						
.435/.435	272°/272°	250°/250°	590	N/A	56-131	N/A
Excellent mid and upper end performance. Requires Exhaust System, High Compression Piston, Performance Valve Spring Kit VC-PO3, and New Followers CF-PO1. Price Per Set (2).						
.435/.435	278°/272°	254°/250°	796/590	N/A	56-281	N/A
The NC24 is now available directly through Web Camshafts. Excellent mid and upper end performance. Requires Exhaust System, High Compression Piston, Performance Valve Spring Kit, and Shim Under Followers CF-PO1. Check ALL clearances! Price Per Set (2).						
.430/.415	286°/276°	262°/252°	770/493	N/A	56-141	N/A
Mid and top end profile. Requires Exhaust System, High Compression Piston, Performance Valve Spring Kit VC-PO3, and New Followers CF-PO1. Check ALL clearances! Price Per Set (2).						
.430/.430	286°/286°	262°/262°	770	N/A	56-151	N/A
Race profile designed to increase mid and upper end performance. Requires Exhaust System, High Compression Piston, Performance Valve Spring Kit VC-PO3, and New Followers CF-PO1. Check ALL clearances! Price Per Set (2).						
.430/.415	292°/282°	268°/258°	770+3°(6°)/493+3°(6°)	N/A	56-291	N/A
The NC42 is now available directly through Web Camshafts. Excellent race profile to increase mid and upper end performance. Requires Exhaust System, High Compression Piston, Shim Under Followers CF-PO1, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						

Cam Core **CC-P03**  
 Please specify year and model when ordering. Price Per Set (2).

Cam Gear, Adjustable **CG-P01**  
 Use with all WEB CAM profiles for precise engine tuning. Price Per Set (2).

Buckets Standard Size **CF-P01**  
 Price Per Set (4).

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
Chain Tensioner, Manual CNC machined from billet alloy to exact tolerances for perfect fit.						CT-H05
Valve Spring Kit With Titanium Retainers Kit includes performance dual springs and Titanium retainers. Must use stock bottom. OK up to 0.440" valve lift. Check ALL clearances! Price Per Set (4).						VC-P03
Valves, Stainless Intake Standard Size Standard size 37 mm. Price (Each).						IV-P00
Valves, Stainless Intake Oversized +1 mm Oversized to 38 mm. Price (Each).						IV-P01
Valves, Stainless Exhaust Standard Size Standard size 32 mm. Price (Each).						EV-P00
Valves, Stainless Exhaust Oversized +1 mm Oversized to 33 mm. Price (Each).						EV-P02
Valve Guide, Stock Height Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Fits intake and exhaust. Price (Each).						VG-P01

## Polaris Scrambler 500 (1997) SOHC 4v

.335/.335	256°/256°	230°/230°	653	N/A	56-001	N/A
Performance profile designed to increase overall performance. Stock springs OK. Requires High Compression Piston. Price (Each).						
Cam Core Please specify year and model when ordering. Price (Each).						CC-P00
Rocker Arm Hardwelded Intake We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).						HR-P03
Rocker Arm Hardwelded Exhaust We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).						HR-P02
Rocker Arm, Core Intake Please specify year and model when ordering. Price (Each).						RC-P03
Rocker Arm, Core Exhaust Please specify year and model when ordering. Price (Each).						RC-P02

Note: This cam profile does not come with a compression release!

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Polaris Scrambler 500 (98-09) SOHC 4v

.335/.335    256°/256°    230°/230°    653    N/A    56-001    N/A  
 Performance profile designed to increase overall performance. Stock springs OK. Requires High Compression Piston. Price (Each).

Cam Core CC-P00  
 Please specify year and model when ordering. Price (Each).

Rocker Arm Hardwelded Intake HR-P03  
 We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).

Rocker Arm Hardwelded Exhaust HR-P02  
 We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).

Rocker Arm, Core Intake RC-P03  
 Please specify year and model when ordering. Price (Each).

Rocker Arm, Core Exhaust RC-P02  
 Please specify year and model when ordering. Price (Each).

Note: This cam profile does not come with a compression release!

## Polaris Sportsman 400 (01-08) SOHC 4v

.335/.335    256°/256°    230°/230°    653    N/A    56-001    N/A  
 Performance profile designed to increase overall performance. Stock springs OK. Requires High Compression Piston. Price (Each).

Cam Core CC-P00  
 Please specify year and model when ordering. Price (Each).

Rocker Arm Hardwelded Intake HR-P03  
 We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).

Rocker Arm Hardwelded Exhaust HR-P02  
 We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).

Rocker Arm, Core Intake RC-P03  
 Please specify year and model when ordering. Price (Each).

Rocker Arm, Core Exhaust RC-P02  
 Please specify year and model when ordering. Price (Each).

Note: This cam profile does not come with a compression release!

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Polaris Sportsman 400 (09-12) SOHC 4v

.335/.335    256°/256°    230°/230°    653    N/A    56-001    N/A

Performance profile designed to increase overall performance. Stock springs OK. Requires High Compression Piston. Price (Each).

Cam Core CC-P00  
Please specify year and model when ordering. Price (Each).

Rocker Arm Hardwelded Intake HR-P03  
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).

Rocker Arm Hardwelded Exhaust HR-P02  
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).

Rocker Arm, Core Intake RC-P03  
Please specify year and model when ordering. Price (Each).

Rocker Arm, Core Exhaust RC-P02  
Please specify year and model when ordering. Price (Each).

Note: This cam profile does not come with a compression release!

## Polaris Sportsman 450 (06-07) SOHC 4v

.335/.335    256°/256°    230°/230°    653    N/A    56-001    N/A

Performance profile designed to increase overall performance. Stock springs OK. Requires High Compression Piston. Price (Each).

Cam Core CC-P00  
Please specify year and model when ordering. Price (Each).

Rocker Arm Hardwelded Intake HR-P03  
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).

Rocker Arm Hardwelded Exhaust HR-P02  
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).

Rocker Arm, Core Intake RC-P03  
Please specify year and model when ordering. Price (Each).

Rocker Arm, Core Exhaust RC-P02  
Please specify year and model when ordering. Price (Each).

Note: This cam profile does not come with a compression release!

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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### Polaris Sportsman 500 (96-00) SOHC 4v

.335/.335    256°/256°    230°/230°    653    N/A    56-001    N/A

Performance profile designed to increase overall performance. Stock springs OK. Requires High Compression Piston. Price (Each).

Cam Core CC-P00  
Please specify year and model when ordering. Price (Each).

Rocker Arm Hardwelded Intake HR-P03  
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).

Rocker Arm Hardwelded Exhaust HR-P02  
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).

Rocker Arm, Core Intake RC-P03  
Please specify year and model when ordering. Price (Each).

Rocker Arm, Core Exhaust RC-P02  
Please specify year and model when ordering. Price (Each).

Note: This cam profile does not come with a compression release!

### Polaris Sportsman 500 (01-09) SOHC 4v

.335/.335    256°/256°    230°/230°    653    N/A    56-001    N/A

Performance profile designed to increase overall performance. Stock springs OK. Requires High Compression Piston. Price (Each).

Cam Core CC-P00  
Please specify year and model when ordering. Price (Each).

Rocker Arm Hardwelded Intake HR-P03  
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).

Rocker Arm Hardwelded Exhaust HR-P02  
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).

Rocker Arm, Core Intake RC-P03  
Please specify year and model when ordering. Price (Each).

Rocker Arm, Core Exhaust RC-P02  
Please specify year and model when ordering. Price (Each).

Note: This cam profile does not come with a compression release!

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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### Polaris Sportsman 800 (05-10) Pushrod 4v

.435/.435	272°/272°	236°/236°	964	N/A	56-041	56-042
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Performance profile designed to increase overall performance. Check ALL clearances!

Cam Core  
Please specify year and model when ordering. New cams are sold outright. No core required. Price (Each). **CC-P07**

Lifters New Hydraulic  
Price Per Set (4). **56-203**

It is highly recommended to replace the OEM seats / lifters. Lifter part number 56-203. An OD is required to custom order iron steel seats.

### Polaris Trail Boss 325 (00-02) SOHC 2v

.320/.320	290°/290°		623+7.5°(15°)	N/A	56-011	N/A
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Performance profile designed to increase overall performance. Stock springs OK. Requires Big Bore, and High Compression Piston.

.320/.320	290°/290°		653	N/A	56-161	N/A
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Performance profile designed to increase overall performance. Stock springs OK.

Cam Core  
Please specify year and model when ordering. Price (Each). **CC-P01**

### Polaris Xplorer 500 (1997) SOHC 4v

.335/.335	256°/256°	230°/230°	653	N/A	56-001	N/A
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Performance profile designed to increase overall performance. Stock springs OK. Requires High Compression Piston. Price (Each).

Cam Core  
Please specify year and model when ordering. Price (Each). **CC-P00**

Rocker Arm Hardwelded Intake  
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each). **HR-P03**

Rocker Arm Hardwelded Exhaust  
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each). **HR-P02**

Rocker Arm, Core Intake  
Please specify year and model when ordering. Price (Each). **RC-P03**

Rocker Arm, Core Exhaust  
Please specify year and model when ordering. Price (Each). **RC-P02**

Note: This cam profile does not come with a compression release!

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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### Suzuki ALT 125 (83-86) SOHC 2v

.290/.290	256°/256°	232°/232°	98mc	N/A	70-201	N/A
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Good all around cam with broad power range for stock engines.

.340/.340	267°/267°	241°/241°	188	N/A	70-221	N/A
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Strong mid and upper end performance for competition engines. Requires Performance Valve Spring Kit.

Cam Core **CC-S00**  
Please specify year and model when ordering. Price (Each).

Valve Spring Kit With CrMo Retainers **VC-S12**  
Kit includes performance dual springs Chrome Moly retainers, and bottom cups. OK to .480" valve lift. Price Per Set (2).

### Suzuki King Quad LT 700 4WD (06-08) DOHC 4v

.356/.343	242°/250°	218°/224°	261i/631	N/A	60-861	N/A
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Bolt in profile increases overall performance throughout RPM range. Price Per Set (2).

.350/.330	249°/252°	225°/226°	207/577	N/A	70-931	N/A
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Performance profile designed to increase mid and upper end. Requires High Compression Piston. Check ALL clearances! Price Per Set (2).

Cam Core **CC-S40**  
Please specify year and model when ordering. Price Per Set (2).

### Suzuki LT 125 (83-87) SOHC 2v

.290/.290	256°/256°	232°/232°	98mc	N/A	70-201	N/A
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Good all around cam with broad power range for stock engines.

.340/.340	267°/267°	241°/241°	188	N/A	70-221	N/A
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Strong mid and upper end performance for competition engines. Requires Performance Valve Spring Kit.

Cam Core **CC-S00**  
Please specify year and model when ordering. Price (Each).

Valve Spring Kit With CrMo Retainers **VC-S12**  
Kit includes performance dual springs Chrome Moly retainers, and bottom cups. OK to .480" valve lift. Price Per Set (2).

### Suzuki LT 250 (89-90) SOHC 2v

.340/.340	270°/270°	244°/244°	188	N/A	70-261	N/A
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Bolt in profile increases overall performance throughout RPM range.

.360/.360	278°/278°	250°/250°	213	N/A	70-271	N/A
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Strong mid and upper end performance. Requires High Compression Piston, Exhaust System, Carburetors, and Performance Valve Spring Kit.

.425/.425	288°/288°	264°/264°	214	N/A	70-211	N/A
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Designed for racing engines. Very strong overall power. Requires Performance Valve Spring Kit.

Cam Core **CC-S01**  
Please specify year and model when ordering. Price (Each).

Rocker Arm Hardwelded **HR-S01**  
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
Valve Spring Kit With CrMo Retainers Kit includes performance dual springs, Chrome Moly retainers, bottom cups, and shims. OK to .380" valve lift. Price Per Set (2).						VC-S23
Valve Spring Kit With Titanium Retainers Kit includes performance dual springs, Titanium retainers bottom cups, and shims. OK to .380" valve lift. Price Per Set (2).						VC-S20

### Suzuki LT 500 F Quadrunner (98-02) SOHC 4v

.340/.340	254°/254°		228	N/A	70-881	N/A
Bolt in profile increases overall performance throughout RPM range.						
Cam Core Please specify year and model when ordering. Price (Each).						CC-S11

### Suzuki LTA 500 F Quadmaster (00-01)

.340/.340	254°/254°		228	N/A	70-881	N/A
Bolt in profile increases overall performance throughout RPM range.						
Cam Core Please specify year and model when ordering. Price (Each).						CC-S11

### Suzuki LTA 750 X (08-09) DOHC 4v

.356/.343	242°/250°	218°/224°	261i/631	N/A	60-861	N/A
Bolt in profile increases overall performance throughout RPM range. Price Per Set (2).						
.350/.330	249°/252°	225°/226°	207/577	N/A	70-931	N/A
Performance profile designed to increase mid and upper end. Requires High Compression Piston. Check ALL clearances! Price Per Set (2).						
Cam Core Please specify year and model when ordering. Price Per Set (2).						CC-S40

### Suzuki LTA Eiger 400 F (03-10) SOHC 4v

.330/.330	244°/244°		547	N/A	58-021	N/A
Bolt in profile increases overall performance throughout RPM range.						
Cam Core Please specify year and model when ordering. Price (Each).						CC-S07
Rocker Arm Hardwelded We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).						HR-A02

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
<b>Suzuki LTR 450 (06-09) DOHC 4v</b>						
.358/.369	268°/280°	241°/252°	11i/549	N/A	70-911	70-912
Bolt in profile increases mid and upper end performance, without losing the bottom end. Stock springs OK. Price Per Set (2).						
.356/.369	282°/292°	262°/264°	963/549+6°(12°)	N/A	70-921	70-922
Improves mid and upper end performance. Works great in MX, TT applications. Stock springs OK. Requires High Compression Piston. Price Per Set (2).						
.400/.363	282°/286°	256°/263°	961/216	N/A	70-941	70-942
Race profile designed to increase mid and upper end performance. Requires Shortened Valve Guides, Performance Valve Spring Kit, High Compression Piston, and Exhaust System. Check ALL clearances! Price Per Set (2).						
.408/.363	282°/286°	258°/263°	208/216	N/A	71-041	71-042
Race profile designed to increase mid and upper end performance. Requires Performance Valve Spring Kit, High Compression Piston, Exhaust System, and Shortened Valve Guides. Check ALL clearances! Price Per Set (2).						
Cam Core	Please specify year and model when ordering. New cams are sold outright. No core required. Price Per Set (2).					CC-S39
Cam Gear, Adjustable With Adaptors	Use with all WEB CAM profiles for precise engine tuning. Kit includes adjustable sprockets, adapters, cam bolts. Price Per Set (2).					CG-S06
Valve Spring Kit With Titanium Retainers (PSI)	Race Kit includes PSI dual valve springs, titanium retainers, bottom cups, and keepers. OK to .430 valve lift. Price Per Set (4).					VC-S09
Valve Spring Kit With Titanium Retainers & Steel Base Washers	Kit includes performance dual springs, Titanium retainers, and bottoms. OK to .415 valve lift. Price Per Set (4).					VC-S45
Valves, Stainless Intake Standard Size	Standard size 36 mm. Price (Each).					IV-S05
Valves, Stainless Intake Oversized +1 mm	Oversized to 37 mm. Price (Each).					IV-S06
Valves, Stainless Exhaust Standard Size	Standard size 29 mm. Price (Each).					EV-S05
Valves, Stainless Exhaust Oversized +1 mm	Oversized to 30 mm. Price (Each).					EV-S06
Valve Guide, Shortened .070" Intake Standard Size	Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010 Price (Each).					VG-S02-I
Valve Guide, Shortened .070" Exhaust Standard Size	Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010 Price (Each).					VG-S02-E

## Suzuki LTZ 400 (02-08) DOHC 4v

.343/.322	250°/246°	224°/220°	631/294	N/A	70-581	70-582
Bolt in profile increases overall performance throughout RPM range. Price Per Set (2).						
.360/.378	248°/268°	226°/244°	293/536	N/A	70-811	70-812
Performance profile designed to increase overall performance. Cams have a reduced base circle. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).						

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
.368/.360	260°/248°	234°/226°	288/293	N/A	70-591	70-592
High lift to increase torque and increase overall performance. Cams have a reduced base circle. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).						
.368/.384	260°/272°	234°/248°	288/540	N/A	70-821	70-822
Race profile for built engines. Cams have a reduced base circle. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.384/.400	272°/280°	248°/256°	540/539	N/A	70-691	70-692
Race profile for built engines. Cam has a reduced base circle. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
Cam Core	Please specify year and model when ordering. New cams are sold outright. No core required. Price Per Set (2).					CC-S08
Cam Gear, Adjustable With Adaptors	Use with all WEB CAM profiles for precise engine tuning. Kit includes adjustable sprockets, adapters, cam bolts. Price Per Set (2).					CG-S04
Valve Spring Kit With Titanium Retainers	Kit includes performance dual springs, Titanium retainers, and bottoms. OK to .440" valve lift. Price Per Set (4).					VC-S40
Valves, Stainless Intake Standard Size	Standard size 36 mm. Price (Each).					IV-S03
Valves, Stainless Intake Oversized +1 mm	Oversized to 37 mm. Price (Each).					IV-S04
Valves, Stainless Exhaust Standard Size	Standard size 29 mm. Price (Each).					EV-S03
Valves, Stainless Exhaust Oversized +1 mm	Oversized to 30 mm. Price (Each).					EV-S04
Valve Guide, Shortened .050" Standard Size	Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Fits intake and exhaust. Price (Each).					VG-S01

## Suzuki LTZ 400 (09-12) DOHC 4v

.368/.360	260°/248°	234°/226°	288/293	N/A	71-541	N/A
Performance profile designed to increase mid and upper end. Check ALL clearances! Price Per Set (2).						
Cam Core	Please specify year and model when ordering. Price Per Set (2).					CC-S52
Valve Spring Kit With Titanium Retainers	Kit includes performance dual springs, Titanium retainers, and bottoms. OK to .440" valve lift. Price Per Set (4).					VC-S40
Valves, Stainless Intake Standard Size	Standard size 36 mm. Price (Each).					IV-S03
Valves, Stainless Intake Oversized +1 mm	Oversized to 37 mm. Price (Each).					IV-S04
Valves, Stainless Exhaust Standard Size	Standard size 29 mm. Price (Each).					EV-S03
Valves, Stainless Exhaust Oversized +1 mm	Oversized to 30 mm. Price (Each).					EV-S04
Valve Guide, Shortened .050" Standard Size	Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Fits intake and exhaust. Price (Each).					VG-S01

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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### Suzuki Quad Racer 250 (89-90) SOHC 2v

.340/.340	270°/270°	244°/244°	188	N/A	70-261	N/A
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Bolt in profile increases overall performance throughout RPM range.

.360/.360	278°/278°	250°/250°	213	N/A	70-271	N/A
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Strong mid and upper end performance. Requires High Compression Piston, Exhaust System, Carburetors, and Performance Valve Spring Kit.

.425/.425	288°/288°	264°/264°	214	N/A	70-211	N/A
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Designed for racing engines. Very strong overall power. Requires Performance Valve Spring Kit.

Cam Core **CC-S01**  
Please specify year and model when ordering. Price (Each).

Rocker Arm Hardwelded **HR-S01**  
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).

Valve Spring Kit With CrMo Retainers **VC-S23**  
Kit includes performance dual springs, Chrome Moly retainers, bottom cups, and shims. OK to .380" valve lift. Price Per Set (2).

Valve Spring Kit With Titanium Retainers **VC-S20**  
Kit includes performance dual springs, Titanium retainers bottom cups, and shims. OK to .380" valve lift. Price Per Set (2).

### Suzuki Quad Sport 230 (85-88) SOHC 2v

.340/.340	270°/270°	244°/244°	188	N/A	70-261	N/A
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Bolt in profile increases overall performance throughout RPM range.

.360/.360	278°/278°	250°/250°	213	N/A	70-271	N/A
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Strong mid and upper end performance. Requires High Compression Piston, Exhaust System, Carburetors, and Performance Valve Spring Kit.

.425/.425	288°/288°	264°/264°	214	N/A	70-211	N/A
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Designed for racing engines. Very strong overall power. Requires Performance Valve Spring Kit.

Cam Core **CC-S01**  
Please specify year and model when ordering. Price (Each).

Rocker Arm Hardwelded **HR-S01**  
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).

Valve Spring Kit With CrMo Retainers **VC-S23**  
Kit includes performance dual springs, Chrome Moly retainers, bottom cups, and shims. OK to .380" valve lift. Price Per Set (2).

Valve Spring Kit With Titanium Retainers **VC-S20**  
Kit includes performance dual springs, Titanium retainers bottom cups, and shims. OK to .380" valve lift. Price Per Set (2).

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Suzuki Twin Peaks 700 (04-05) SOHC 8v

.333/.333		205°/205°	150i	N/A	60-601	N/A
Bolt in profile increases throttle response and overall performance throughout RPM range. Price Per Set (2).						
.365/.365		235°/235°	87mc	N/A	61-341	N/A
Designed to increase overall power. Requires Exhaust System, Extended Rockers, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.394/.394		227°/230°	504	N/A	60-971	N/A
High lift, short duration for extreme acceleration. Requires Exhaust System, Extended Rockers, and Valve Spring Kit and Piston Kit recommended if using a high rev box. Price Per Set (2).						
.400/.400		234°/234°	89mc	N/A	61-351	N/A
The famous trail profile is back!! Designed to increase mid and upper end. Requires Exhaust System, Performance Valve Spring Kit, Extended Rockers, and High Compression Piston. Check ALL clearances! Price Per Set (2).						
Cam Core						CC-K11
Please specify year and model when ordering. Price Per Set (2).						
Rocker Arm, Extended Hardwelded						ER-K02
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).						
Rocker Arm, Core						RC-K02
Please specify year and model when ordering. Price (Each).						
Valve Spring Kit With CrMo Retainers						VC-K17
Kit includes performance dual springs and Chrome Moly retainers. OK up to 0.450" valve lift. Price Per Set (8).						
Valve Spring Kit With Titanium Retainers						VC-K22
Kit includes performance dual springs, titanium retainers and heat treated steel base washers. Must shorten valve guides with lifts over 0.430". Then will work up to 0.500" lift. Price Per Set (8).						
Valves, Stainless Intake Standard Size						IV-K03
Standard size 30 mm. Price (Each).						
Valves, Stainless Intake Oversized +1 mm						IV-K04
Oversized to 31 mm. Price (Each).						
Valves, Stainless Exhaust Standard Size						EV-K03
Standard size 26 mm. Price (Each).						
Valves, Stainless Exhaust Oversized +1 mm						EV-K04
Oversized to 27 mm. Price (Each).						
Valve Guide, Shortened .070" Standard Size						VG-K01
Made from special C630 Bronze material for longer wear. Standard size. Adds .070 additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Fits intake and exhaust. Price (Each).						

Custom grinding is available please call us directly for more details.

## Suzuki Vinson 500 (02-07) SOHC 4v

.340/.340	254°/254°		228	N/A	70-881	N/A
Bolt in profile increases overall performance throughout RPM range.						
Cam Core						CC-S11
Please specify year and model when ordering. Price (Each).						



VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
Valve Spring Kit With Aluminum Retainers Kit includes performance dual springs, Aluminum retainers, bottom cups, keepers, and shims. Price Per Set (2).						VC-Y25
Valve Spring Kit With Titanium Retainers Kit includes performance dual springs, Titanium retainers, bottoms, and steel keepers. OK to .520" valve lift. Check ALL clearances! Price Per Set (2).						VC-Y30
Valves, Stainless Intake Standard Size Standard size 40 mm. Fits Warrior. Price (Each).						IV-Y05
Valves, Stainless Intake Oversized +1 mm Oversized to 41 mm. Fits Warrior. Price (Each).						OV-Y05
Valves, Stainless Exhaust Standard Size Standard size 34 mm. Fits Warrior. Price (Each).						EV-Y06
Valve Guide, Shortened OK up .500 valve lift Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Fits intake and exhaust. Price (Each).						VG-Y01

**NOTE: All our profiles come with a new OEM bolt, washer and dowel pin.  
Do not reuse your old bolt, washer, or dowel pin! Torque your new bolt to 43 Ft. Lbs.  
You may need to clearance the cylinder head for lobe clearance.**

## Yamaha Big Bear 400 (00-06) SOHC 2v

.390/.390	274°/274°	244°/244°	88mc	N/A	80-161	N/A
Performance profile designed to increase overall performance. Includes new OEM bolt, washer and pin. Requires Performance Valve Spring Kit.						
.430/.430	286°/286°	258°/258°	84	N/A	80-171	N/A
Tremendous mid and upper end performance for racing engines. Includes new OEM bolt, washer and pin. Requires High Compression Piston, and Performance Valve Spring Kit.						
.440/.390	286°/272°	258°/244°	17/88mc	N/A	81-131	N/A
Top end profile. Must use valve spring kit. May have to clearance the head for cam rotation. Includes new OEM bolt, washer and pin. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances!						
Cam Core Please specify year and model when ordering. Price (Each).						CC-Y04
Rocker Arm Hardwelded We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).						HR-Y01
Rocker Arm, Core Please specify year and model when ordering. Price (Each).						RC-Y01
Valve Spring Kit With Aluminum Retainers Kit includes performance dual springs, Aluminum retainers, bottom cups, keepers, and shims. Price Per Set (2).						VC-Y25
Valve Spring Kit With Titanium Retainers Kit includes performance dual springs, Titanium retainers, bottoms, and steel keepers. OK to .520" valve lift. Check ALL clearances! Price Per Set (2).						VC-Y30
Valves, Stainless Intake Standard Size Standard size 40 mm. Fits Warrior. Price (Each).						IV-Y05
Valves, Stainless Intake Oversized +1 mm Oversized to 41 mm. Fits Warrior. Price (Each).						OV-Y05
Valves, Stainless Exhaust Standard Size Standard size 34 mm. Fits Warrior. Price (Each).						EV-Y06

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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Valve Guide, Shortened OK up .500 valve lift Standard Size VG-Y01  
 Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance.  
 Custom sizes available +.001, +.002, +.004, +.010. Fits intake and exhaust. Price (Each).

NOTE: All our profiles come with a new OEM bolt, washer and dowel pin.  
 Do not reuse your old bolt, washer, or dowel pin! Torque your new bolt to 43 Ft. Lbs.  
 You may need to clearance the cylinder head for lobe clearance.

## Yamaha Big Bear 400 (07-12) SOHC 2v

.390/.390	274°/274°	244°/244°	88mc	N/A	<b>80-701</b>	N/A
Performance profile designed to increase overall performance. Includes new OEM bolt, washer and pin. Requires Performance Valve Spring Kit.						
.413/.413	250°/250°	232°/232°	956	N/A	<b>80-691</b>	N/A
Improves torque and acceleration. Cam includes new OEM bolt, washer and pin. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit.						
.430/.430	286°/286°	258°/258°	84	N/A	<b>80-711</b>	N/A
Tremendous mid and upper end performance for racing engines. Includes new OEM bolt, washer and pin. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit.						

Cam Core CC-Y28  
 Please specify year and model when ordering. Price (Each).

Valve Spring Kit With Titanium Retainers VC-Y30  
 Kit includes performance dual springs, Titanium retainers, bottoms, and steel keepers. OK to .520" valve lift. Check ALL clearances! Price Per Set (2).

NOTE: All our profiles come with a new OEM bolt, washer and dowel pin.  
 Do not reuse your old bolt, washer, or dowel pin! Torque your new bolt to 43 Ft. Lbs

## Yamaha Bruin 350 (04-06) SOHC 2v

.390/.390	274°/274°	244°/244°	88mc	N/A	<b>80-641</b>	N/A
Performance profile designed to increase overall performance. Includes new OEM bolt, washer and pin. Requires Performance Valve Spring Kit.						
.430/.430	286°/286°	258°/258°	84	N/A	<b>80-651</b>	N/A
Tremendous mid and upper end performance for racing engines. Includes new OEM bolt, washer and pin. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit.						

Cam Core CC-Y19  
 Please specify year and model when ordering. Price (Each).

Valve Spring Kit With Aluminum Retainers VC-Y25  
 Kit includes performance dual springs, Aluminum retainers, bottom cups, keepers, and shims. Price Per Set (2).

Valve Spring Kit With Titanium Retainers VC-Y30  
 Kit includes performance dual springs, Titanium retainers, bottoms, and steel keepers. OK to .520" valve lift. Check ALL clearances! Price Per Set (2).

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Yamaha Champ 100 (87-91) SOHC 2v

.240/.240 246°/246° 623 N/A 80-891 N/A  
 Good torque and acceleration. Bolts in with no modifications.

.244/.244 266°/266° 315 N/A 80-211 N/A  
 Bolt in profile increases mid and upper end performance.

Cam Core CC-Y09  
 Please specify year and model when ordering. Price (Each).

## Yamaha Grizzly 350 (07-13) SOHC 2v

.390/.390 274°/274° 244°/244° 88mc N/A 80-701 N/A  
 Performance profile designed to increase overall performance. Includes new OEM bolt, washer and pin. Requires Performance Valve Spring Kit.

.413/.413 250°/250° 232°/232° 956 N/A 80-691 N/A  
 Improves torque and acceleration. Cam includes new OEM bolt, washer and pin. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit.

.430/.430 286°/286° 258°/258° 84 N/A 80-711 N/A  
 Tremendous mid and upper end performance for racing engines. Includes new OEM bolt, washer and pin. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit.

Cam Core CC-Y28  
 Please specify year and model when ordering. Price (Each).

Valve Spring Kit With Titanium Retainers VC-Y30  
 Kit includes performance dual springs, Titanium retainers, bottoms, and steel keepers. OK to .520" valve lift. Check ALL clearances! Price Per Set (2).

**NOTE: All our profiles come with a new OEM bolt, washer and dowel pin.  
 Do not reuse your old bolt, washer, or dowel pin! Torque your new bolt to 43 Ft. Lbs**

## Yamaha Grizzly 400 (07-08) SOHC 2v

.390/.390 274°/274° 244°/244° 88mc N/A 80-391 N/A  
 Performance profile designed to increase overall performance. Includes new OEM bolt, washer and pin. Requires Performance Valve Spring Kit.

.413/.413 250°/250° 232°/232° 956 N/A 80-751 N/A  
 Improves torque and acceleration. Cam includes new OEM bolt, washer and pin. Requires Performance Valve Spring Kit.

Cam Core CC-Y06  
 Please specify year and model when ordering. Price (Each).

Cam Gear OEM CG-Y06  
 Replacement stock cam gear.

Valve Spring Kit With Titanium Retainers VC-Y30  
 Kit includes performance dual springs, Titanium retainers, bottoms, and steel keepers. OK to .520" valve lift. Check ALL clearances! Price Per Set (2).

**NOTE: All our profiles come with a new OEM bolt, washer and dowel pin.  
 Do not reuse your old bolt, washer, or dowel pin! Torque your new bolt to 43 Ft. Lbs.**

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Yamaha Grizzly 450 (07-13) SOHC 2v

.390/.390    274°/274°    244°/244°    88mc    N/A    **80-391**    N/A  
Performance profile designed to increase overall performance. Includes new OEM bolt, washer and pin. Requires Performance Valve Spring Kit.

.413/.413    250°/250°    232°/232°    956    N/A    **80-751**    N/A  
Improves torque and acceleration. Cam includes new OEM bolt, washer and pin. Requires Performance Valve Spring Kit.

Cam Core  
Please specify year and model when ordering. Price (Each). **CC-Y06**

Cam Gear OEM  
Replacement stock cam gear. **CG-Y06**

Valve Spring Kit With Titanium Retainers  
Kit includes performance dual springs, Titanium retainers, bottoms, and steel keepers. OK to .520" valve lift. Check ALL clearances! Price Per Set (2). **VC-Y30**

**NOTE: All our profiles come with a new OEM bolt, washer and dowel pin.  
Do not reuse your old bolt, washer, or dowel pin! Torque your new bolt to 43 Ft. Lbs.**

## Yamaha Grizzly 600 (98-01) SOHC 4v

.375/.365    259°/259°    238°/238°    87    N/A    **80-351**    N/A  
Performance profile designed to increase overall performance. Stock springs OK. Requires High Compression Piston.

Cam Core  
Please specify year and model when ordering. Price (Each). **CC-Y05**

## Yamaha Grizzly 660 (02-08) SOHC 5v

.340/.355    260°/265°    232°/235°    461/496    N/A    **80-411**    N/A  
Bolt in profile increases overall performance throughout RPM range. Stock springs OK. Includes compression release.

.340/.355    267°/273°    238°/242°    985/986    N/A    **80-851**    N/A  
Increase mid and upper end. Requires High Compression Piston, Exhaust System, and Performance Valve Spring Kit.

.452/.424    292°/289°    260°/257°    685    N/A    **80-541**    N/A  
Race profile designed to increase mid and upper end performance. Includes compression release. Requires High Compression Piston, Exhaust System, Performance Valve Spring Kit, and Shortened Valve Guides. Check ALL clearances!

Cam Core  
Please specify year and model when ordering. Price (Each). **CC-Y07**

Rocker Arm Hardwelded  
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each). **HR-Y00**

Rocker Arm, Core  
Please specify year and model when ordering. Price (Each). **RC-Y00**

Valve Spring Kit With Titanium Retainers  
Kit includes performance dual springs, Titanium retainers, and bottoms. OK up to 0.450" valve lift. Check ALL clearances! Price Per Set (5). **VC-Y80**

Valves, Stainless Intake Standard Size  
Standard size 30 mm. Price (Each). **IV-Y02**

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
Valves, Stainless Exhaust Standard Size Standard size 32 mm. Price (Each).						EV-Y03
Valve Guide, Shortened .060" Intake Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010 Price (Each).						VG-Y00-I
Valve Guide, Shortened .155" Exhaust Standard Size Made from special Ampco 45 material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010 Price (Each).						VG-Y00-E
Valve Seals Intake Valve guides seals can be used to achieve additional retainer to guides seal clearance without replacing the stock valve guides. For use on the intakes only. Price (Each).						VS-Y03

## Yamaha Grizzly 700 (07-13) SOHC 4v

Performance profile designed to increase overall performance.			102/180	N/A	80-971	80-972
Cam Core Please specify year and model when ordering. New cam are sold outright. No core required. Price (Each).						CC-Y26
Rocker Arm Modified OEM Intake Modified OEM rocker to achieve additional lobe clearance. Price (Each).						MR-000
Rocker Arm Modified OEM Exhaust Modified OEM rocker to achieve additional lobe clearance. Price (Each).						MR-001
Rocker Arm, Core Intake Please specify year and model when ordering. Price (Each).						RC-Y02
Rocker Arm, Core Exhaust Please specify year and model when ordering. Price (Each).						RC-Y03
Valve Spring Kit With Titanium Retainers Kit includes performance dual springs, Titanium retainers, and bottoms. OK to .480 valve lift. Price Per Set (4).						VC-Y03
Valves, Stainless Intake Standard Size Standard size 38 mm. Price (Each).						IV-Y16
Valves, Stainless Intake Oversized +1 mm Oversized to 39 mm. Price (Each).						OV-Y16
Valves, Stainless Exhaust Standard Size Standard size 32 mm. Price (Each).						EV-Y17
Valves, Stainless Exhaust Oversized +1 mm Oversized to 33 mm. Price (Each).						OV-Y17
Valve Guide, Stock Height Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Fits intake and exhaust. Price (Each).						VG-Y03

Please note: Stock rocker arms must be modified for all performance profiles!



VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Yamaha Kodiak 400 (00-06) SOHC 2v

.390/.390	274°/274°	244°/244°	88mc	N/A	80-391	N/A
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Performance profile designed to increase overall performance. Includes new OEM bolt, washer and pin. Requires Performance Valve Spring Kit.

.413/.413	250°/250°	232°/232°	956	N/A	80-751	N/A
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Improves torque and acceleration. Cam includes new OEM bolt, washer and pin. Requires Performance Valve Spring Kit.

Cam Core  
Please specify year and model when ordering. Price (Each). **CC-Y06**

Cam Gear OEM  
Replacement stock cam gear. **CG-Y06**

Valve Spring Kit With Aluminum Retainers  
Kit includes performance dual springs, Aluminum retainers, bottom cups, keepers, and shims. Price Per Set (2). **VC-Y25**

Valve Spring Kit With Titanium Retainers  
Kit includes performance dual springs, Titanium retainers, bottoms, and steel keepers. OK to .520" valve lift. Check ALL clearances! Price Per Set (2). **VC-Y30**

**NOTE: All our profiles come with a new OEM bolt, washer and dowel pin.  
Do not reuse your old bolt, washer, or dowel pin! Torque your new bolt to 43 Ft. Lbs.**

## Yamaha Kodiak 450 (03-06) SOHC 2v

.390/.390	274°/274°	244°/244°	88mc	N/A	80-391	N/A
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Performance profile designed to increase overall performance. Includes new OEM bolt, washer and pin. Requires Performance Valve Spring Kit.

.413/.413	250°/250°	232°/232°	956	N/A	80-751	N/A
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Improves torque and acceleration. Cam includes new OEM bolt, washer and pin. Requires Performance Valve Spring Kit.

Cam Core  
Please specify year and model when ordering. Price (Each). **CC-Y06**

Cam Gear OEM  
Replacement stock cam gear. **CG-Y06**

Valve Spring Kit With Aluminum Retainers  
Kit includes performance dual springs, Aluminum retainers, bottom cups, keepers, and shims. Price Per Set (2). **VC-Y25**

Valve Spring Kit With Titanium Retainers  
Kit includes performance dual springs, Titanium retainers, bottoms, and steel keepers. OK to .520" valve lift. Check ALL clearances! Price Per Set (2). **VC-Y30**

**NOTE: All our profiles come with a new OEM bolt, washer and dowel pin.  
Do not reuse your old bolt, washer, or dowel pin! Torque your new bolt to 43 Ft. Lbs.**

## Yamaha Raptor 125 (11-13) SOHC 2v

			605+2.5°(5°)	N/A	81-381	N/A
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Performance profile designed to increase overall power.

Cam Core  
Please specify year and model when ordering. New cam are sold outright. No core required. Price (Each). **CC-Y37**

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Yamaha Raptor 250 (00-13) SOHC 2v

.355/.355	262°/257°	240°/235°	87mc	N/A	80-811	N/A
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Performance profile designed to increase overall performance. Stock springs OK.

.368/.368	270°/268°	247°/245°	40b	N/A	80-821	N/A
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Performance profile designed to increase mid and upper end. Requires Performance Valve Spring Kit, and High Compression Piston.

.368/.368	280°/278°	257°/255°	40c	N/A	81-121	N/A
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Performance profile designed to increase mid and upper end. Requires High Compression Piston, and Performance Valve Spring Kit.

.396/.396	260°/264°	238°/242°	89mc	N/A	80-831	N/A
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High lift short duration profile to increase throttle response. Requires High Compression Piston, Performance Valve Spring Kit, and Exhaust System.

.400/.400	282°/286°	258°/262°	1076	N/A	81-041	N/A
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This profile was designed for racing engines. Requires Performance Valve Spring Kit, High Compression Piston, and Exhaust System. Check ALL clearances!

Cam Core **CC-Y31**  
Please specify year and model when ordering. Price (Each).

Valve Spring Kit With CrMo Retainers Beehive (Race) **VC-Y22**  
Kit includes performance single ovate beehive springs, Chrome Moly retainers, bottom cups, and shims. OK to .475" valve lift. Price Per Set (2).

Valve Spring Kit With CrMo Retainers **VC-Y21**  
Kit includes performance dual springs and chrome moly retainers, bottoms and shims. Needs shortened guides with lifts over .465. Price Per Set (2).

Valve Spring Kit With Titanium Retainers **VC-Y84**  
Kit includes performance dual springs and chrome moly retainers, bottoms and shims. Needs shortened guides with lifts over .465. Price Per Set (2).

## Yamaha Raptor 350 (04-06) SOHC 2v

.390/.390	274°/274°	244°/244°	88mc	N/A	80-641	N/A
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Performance profile designed to increase overall performance. Includes new OEM bolt, washer and pin. Requires Performance Valve Spring Kit.

.430/.430	286°/286°	258°/258°	84	N/A	80-651	N/A
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Tremendous mid and upper end performance for racing engines. Includes new OEM bolt, washer and pin. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit.

Cam Core **CC-Y19**  
Please specify year and model when ordering. Price (Each).

Valve Spring Kit With Aluminum Retainers **VC-Y25**  
Kit includes performance dual springs, Aluminum retainers, bottom cups, keepers, and shims. Price Per Set (2).

Valve Spring Kit With Titanium Retainers **VC-Y30**  
Kit includes performance dual springs, Titanium retainers, bottoms, and steel keepers. OK to .520" valve lift. Check ALL clearances! Price Per Set (2).

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Yamaha Raptor 350 (07-13) SOHC 2v

.390/.390 274°/274° 244°/244° 88mc N/A **80-701** N/A  
Performance profile designed to increase overall performance. Includes new OEM bolt, washer and pin. Requires Performance Valve Spring Kit.

.413/.413 250°/250° 232°/232° 956 N/A **80-691** N/A  
Improves torque and acceleration. Cam includes new OEM bolt, washer and pin. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit.

.430/.430 286°/286° 258°/258° 84 N/A **80-711** N/A  
Tremendous mid and upper end performance for racing engines. Includes new OEM bolt, washer and pin. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit.

Cam Core **CC-Y28**  
Please specify year and model when ordering. Price (Each).

Valve Spring Kit With Titanium Retainers **VC-Y30**  
Kit includes performance dual springs, Titanium retainers, bottoms, and steel keepers. OK to .520" valve lift. Check ALL clearances! Price Per Set (2).

**NOTE: All our profiles come with a new OEM bolt, washer and dowel pin.  
Do not reuse your old bolt, washer, or dowel pin! Torque your new bolt to 43 Ft. Lbs**

## Yamaha Raptor 50 (04-09) SOHC 2v

.240/.240 246°/246° 623 N/A **80-891** N/A  
Good torque and acceleration. Bolts in with no modifications.

.244/.244 266°/266° 315 N/A **80-211** N/A  
Bolt in profile increases mid and upper end performance.

Cam Core **CC-Y09**  
Please specify year and model when ordering. Price (Each).

## Yamaha Raptor 660 (01-05) SOHC 5v

.340/.355 260°/265° 232°/235° 461/496 N/A **80-411** N/A  
Bolt in profile increases overall performance throughout RPM range. Stock springs OK. Includes compression release.

.340/.355 267°/273° 238°/242° 985/986 N/A **80-851** N/A  
Increase mid and upper end. Requires High Compression Piston, Exhaust System, and Performance Valve Spring Kit.

.340/.355 270°/270° 242°/245° 696/697 N/A **80-421** N/A  
Performance profile designed to increase mid and upper end. Includes compression release. Requires High Compression Piston, Exhaust System, and Performance Valve Spring Kit.

.365/.365 275°/275° 248°/245° 736/737 N/A **80-501** N/A  
Race profile designed for extreme acceleration with added mid and upper end performance. Includes compression release. Requires High Compression Piston, Exhaust System, and Performance Valve Spring Kit.

.452/.424 292°/289° 260°/257° 685 N/A **80-541** N/A  
Race profile designed to increase mid and upper end performance. Includes compression release. Requires High Compression Piston, Exhaust System, Performance Valve Spring Kit, and Shortened Valve Guides. Check ALL clearances!

Cam Core **CC-Y07**  
Please specify year and model when ordering. Price (Each).

Rocker Arm Hardwelded **HR-Y00**  
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
Rocker Arm, Core Please specify year and model when ordering. Price (Each).						RC-Y00
Valve Spring Kit With Titanium Retainers Kit includes performance dual springs, Titanium retainers, and bottoms. OK up to 0.450" valve lift. Check ALL clearances! Price Per Set (5).						VC-Y80
Valves, Stainless Intake Standard Size Standard size 30 mm. Price (Each).						IV-Y02
Valves, Stainless Exhaust Standard Size Standard size 32 mm. Price (Each).						EV-Y03
Valves, Stainless Intake Oversized +1 mm Oversized to 31 mm. Price (Each).						OV-Y02
Valves, Stainless Intake Oversized +2 mm Oversized to 32 mm. Price (Each).						IV-Y11
Valves, Stainless Exhaust Oversized +1 mm Oversized to 33 mm. Price (Each).						OV-Y03
Valves, Stainless Exhaust Oversized +2 mm Oversized to 34 mm. Price (Each).						EV-Y04
Valve Guide, Shortened .060" Intake Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010 Price (Each).						VG-Y00-I
Valve Guide, Shortened .155" Exhaust Standard Size Made from special Ampco 45 material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010 Price (Each).						VG-Y00-E
Valve Seals Intake Valve guides seals can be used to achieve additional retainer to guides seal clearance without replacing the stock valve guides. For use on the intakes only. Price (Each).						VS-Y03

## Yamaha Raptor 700 (06-08) SOHC 4v

.383/.362	263°/265°	239°/241°	5/736	N/A	81-461	81-462
Increases overall performance throughout RPM range. Stock springs OK. May have to clearance rocker arms for cam rotation.						
.410/.386	261°/261°	239°/235°	809/496	N/A	81-471	81-472
Improves mid and upper end performance. Must clearance rocker arms for cam rotation. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit.						
.445/.397	275°/275°	254°/252°	40c/942	N/A	81-481	81-482
Improves mid and upper end performance. Stock guides OK. Must clearance rocker arms for cam rotation. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances!						
.500/.460	290°/290°	266°/265°	290	N/A	81-491	81-492
Race profile to increase mid and upper end performance. Must use special compression release pin included with cam. A WEB CAM winner! Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit.						
Cam Core Please specify year and model when ordering. New cam are sold outright. No core required. Price (Each).						CC-Y35
Rocker Arm Modified OEM Intake Modified OEM rocker to achieve additional lobe clearance. Price (Each).						MR-000

<b>VALVE LIFT</b>	<b>DURATION</b>	<b>DURATION @.050</b>	<b>GRIND NUMBER</b>	<b>REGRIND</b>	<b>HARD WELD</b>	<b>NEW CAM</b>
Rocker Arm Modified OEM Exhaust Modified OEM rocker to achieve additional lobe clearance. Price (Each).						MR-001
Rocker Arm, Core Intake Please specify year and model when ordering. Price (Each).						RC-Y02
Rocker Arm, Core Exhaust Please specify year and model when ordering. Price (Each).						RC-Y03
Valve Spring Kit With Titanium Retainers Kit includes performance single ovate beehive springs, Titanium retainers, and bottoms. OK to 0.475" valve lift. OK for 15 lbs boost. Not recommended for oversized valves. Price Per Set (4).						VC-Y23
Valve Spring Kit With Titanium Retainers Kit includes performance dual springs, Titanium retainers, and bottoms. OK to .480 valve lift. Price Per Set (4).						VC-Y03
Valve Spring Kit With Titanium Retainers Kit includes performance dual valve springs, titanium retainers, bottoms and shims. OK to 0.520" valve lift. OK for 15 lbs boost. Price Per Set (4).						VC-Y24
Valves, Stainless Intake Standard Size Standard size 38 mm. Price (Each).						IV-Y16
Valves, Stainless Intake Oversized +1 mm Oversized to 39 mm. Price (Each).						OV-Y16
Valves, Stainless Intake Oversized +2 mm Oversized to 40 mm. Price (Each).						IV-Y22
Valves, Stainless Exhaust Standard Size Standard size 32 mm. Price (Each).						EV-Y17
Valves, Stainless Exhaust Oversized +1 mm Oversized to 33 mm. Price (Each).						OV-Y17
Valves, Stainless Exhaust Oversized +2 mm Oversized to 34 mm. Price (Each).						EV-Y22
Valve Guide, Stock Height Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Fits intake and exhaust. Price (Each).						VG-Y03

**Please note: Stock rocker arms must be modified for all performance profiles!**

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Yamaha Raptor 700 (09-13) SOHC 4v

.383/.362	263°/265°	239°/241°	5/736	N/A	80-871	80-872
Increases overall performance throughout RPM range. Stock springs OK. May have to clearance rocker arms for cam rotation.						
.410/.386	261°/261°	239°/235°	809/496	N/A	80-881	80-882
Improves mid and upper end performance. Must clearance rocker arms for cam rotation. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit.						
.445/.397	275°/275°	254°/252°	40c/942	N/A	80-931	80-932
Improves mid and upper end performance. Stock guides OK. Must clearance rocker arms for cam rotation. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances!						
.500/.460	290°/290°	266°/265°	290	N/A	80-991	80-992
Race profile to increase mid and upper end performance. Must use special compression release pin included with cam. A WEB CAM winner! Requires Exhaust System, High Compression Piston, Performance Valve Spring Kit, and Clearance Rocker Arms for cam rotation. Check ALL clearances!						

Cam Core	Please specify year and model when ordering. New cam are sold outright. No core required. Price (Each).	CC-Y21
Rocker Arm Modified OEM Intake	Modified OEM rocker to achieve additional lobe clearance. Price (Each).	MR-000
Rocker Arm Modified OEM Exhaust	Modified OEM rocker to achieve additional lobe clearance. Price (Each).	MR-001
Rocker Arm, Core Intake	Please specify year and model when ordering. Price (Each).	RC-Y02
Rocker Arm, Core Exhaust	Please specify year and model when ordering. Price (Each).	RC-Y03
Valve Spring Kit With Titanium Retainers	Kit includes performance single ovate beehive springs, Titanium retainers, and bottoms. OK to 0.475" valve lift. OK for 15 lbs boost. Not recommended for oversized valves. Price Per Set (4).	VC-Y23
Valve Spring Kit With Titanium Retainers	Kit includes performance dual springs, Titanium retainers, and bottoms. OK to .480 valve lift. Price Per Set (4).	VC-Y03
Valve Spring Kit With Titanium Retainers	Kit includes performance dual valve springs, titanium retainers, bottoms and shims. OK to 0.520" valve lift. OK for 15 lbs boost. Price Per Set (4).	VC-Y24
Valves, Stainless Intake Standard Size	Standard size 38 mm. Price (Each).	IV-Y16
Valves, Stainless Intake Oversized +1 mm	Oversized to 39 mm. Price (Each).	OV-Y16
Valves, Stainless Intake Oversized +2 mm	Oversized to 40 mm. Price (Each).	IV-Y22
Valves, Stainless Exhaust Standard Size	Standard size 32 mm. Price (Each).	EV-Y17

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
Valves, Stainless Exhaust Oversized +1 mm Oversized to 33 mm. Price (Each).						OV-Y17
Valves, Stainless Exhaust Oversized +2 mm Oversized to 34 mm. Price (Each).						EV-Y22
Valve Guide, Stock Height Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Fits intake and exhaust. Price (Each).						VG-Y03

Please note: Stock rocker arms must be modified for all performance profiles!

## Yamaha Raptor 80 (02-08) SOHC 2v

.240/.240	246°/246°		623	N/A	80-891	N/A
Good torque and acceleration. Bolts in with no modifications.						
.244/.244	266°/266°		315	N/A	80-211	N/A
Bolt in profile increases mid and upper end performance.						
Cam Core Please specify year and model when ordering. Price (Each).						CC-Y09

## Yamaha Raptor 90 (09-13) SOHC 2v

			223	N/A	81-211	N/A
Performance profile designed to increase overall power. Check ALL clearances!						
Cam Core Please specify year and model when ordering. Price (Each).						CC-Y34

## Yamaha Timberwolf (95-00) SOHC 2v

.360/.360	258°/258°	236°/236°	40a	N/A	80-231	N/A
Performance profile increases overall power throughout RPM range. Requires Exhaust System, and Performance Valve Spring Kit.						
.395/.395	260°/260°	238°/238°	89	N/A	80-261	N/A
Good overall performance increase. Requires Performance Valve Spring Kit.						
.395/.395	270°/270°	248°/248°	89a	N/A	80-271	N/A
Strong mid and upper end performance. Requires High Compression Piston, and Performance Valve Spring Kit.						
Cam Core Please specify year and model when ordering. Price (Each).						CC-Y00
Valve Spring Kit With CrMo Retainers Beehive (Race) Kit includes performance single ovate beehive springs, Chrome Moly retainers, bottom cups, and shims. OK to .475" valve lift. Price Per Set (2).						VC-Y22
Valve Spring Kit With CrMo Retainers Kit includes performance dual springs and chrome moly retainers, bottoms and shims. Needs shortened guides with lifts over .465. Price Per Set (2).						VC-Y21
Valve Spring Kit With Titanium Retainers Beehive (Race) Kit includes performance single ovate beehive springs, titanium retainers, and bottom cups. OK to .475" valve lift. Price Per Set (2).						VC-Y08

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Yamaha TT 225 (86-87) SOHC 2v

.360/.360	258°/258°	236°/236°	40a	N/A	<b>80-231</b>	N/A
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Performance profile increases overall power throughout RPM range. Requires Exhaust System, and Performance Valve Spring Kit.

.395/.395	260°/260°	238°/238°	89	N/A	<b>80-261</b>	N/A
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Good overall performance increase. Requires Performance Valve Spring Kit.

.395/.395	270°/270°	248°/248°	89a	N/A	<b>80-271</b>	N/A
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Strong mid and upper end performance. Requires High Compression Piston, and Performance Valve Spring Kit.

Cam Core **CC-Y00**  
Please specify year and model when ordering. Price (Each).

Valve Spring Kit With CrMo Retainers Beehive (Race) **VC-Y22**  
Kit includes performance single ovate beehive springs, Chrome Moly retainers, bottom cups, and shims. OK to .475" valve lift. Price Per Set (2).

Valve Spring Kit With CrMo Retainers **VC-Y21**  
Kit includes performance dual springs and chrome moly retainers, bottoms and shims. Needs shortened guides with lifts over .465. Price Per Set (2).

Valve Spring Kit With Titanium Retainers Beehive (Race) **VC-Y08**  
Kit includes performance single ovate beehive springs, titanium retainers, and bottom cups. OK to .475" valve lift. Price Per Set (2).

## Yamaha Warrior 350 (87-04) SOHC 2v

.390/.390	274°/274°	244°/244°	88mc	N/A	<b>80-161</b>	N/A
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Performance profile designed to increase overall performance. Includes new OEM bolt, washer and pin. Requires Performance Valve Spring Kit.

.430/.430	286°/286°	258°/258°	84	N/A	<b>80-171</b>	N/A
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Tremendous mid and upper end performance for racing engines. Includes new OEM bolt, washer and pin. Requires High Compression Piston, and Performance Valve Spring Kit.

.440/.390	286°/272°	258°/244°	17/88mc	N/A	<b>81-131</b>	N/A
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Top end profile. Must use valve spring kit. May have to clearance the head for cam rotation. Includes new OEM bolt, washer and pin. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances!

Cam Core **CC-Y04**  
Please specify year and model when ordering. Price (Each).

Cam Gear OEM **CG-Y05**  
Replacement stock cam gear. Fits Warrior 350 only.

Cam Gear, Adjustable Vernier **CG-Y03**  
Use with all WEB CAM profiles for precise engine tuning.

Rocker Arm Hardwelded **HR-Y01**  
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).

Rocker Arm, Core **RC-Y01**  
Please specify year and model when ordering. Price (Each).

Valve Spring Kit With Aluminum Retainers **VC-Y25**  
Kit includes performance dual springs, Aluminum retainers, bottom cups, keepers, and shims. Price Per Set (2).

<b>VALVE LIFT</b>	<b>DURATION</b>	<b>DURATION @.050</b>	<b>GRIND NUMBER</b>	<b>REGRIND</b>	<b>HARD WELD</b>	<b>NEW CAM</b>
Valve Spring Kit With Titanium Retainers Kit includes performance dual springs, Titanium retainers, bottoms, and steel keepers. OK to .520" valve lift. Check ALL clearances! Price Per Set (2).						<b>VC-Y30</b>
Valves, Stainless Intake Standard Size Standard size 40 mm. Fits Warrior. Price (Each).						<b>IV-Y05</b>
Valves, Stainless Intake Oversized +1 mm Oversized to 41 mm. Fits Warrior. Price (Each).						<b>OV-Y05</b>
Valves, Stainless Exhaust Standard Size Standard size 34 mm. Fits Warrior. Price (Each).						<b>EV-Y06</b>
Valve Guide, Shortened OK up .500 valve lift Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Fits intake and exhaust. Price (Each).						<b>VG-Y01</b>

**NOTE:** All our profiles come with a new OEM bolt, washer and dowel pin.  
Do not reuse your old bolt, washer, or dowel pin! Torque your new bolt to 43 Ft. Lbs.  
You may need to clearance the cylinder head for lobe clearance.

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Yamaha Wolverine 350 (95-05) SOHC 2v

.390/.390	274°/274°	244°/244°	88mc	N/A	<b>80-161</b>	N/A
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Performance profile designed to increase overall performance. Includes new OEM bolt, washer and pin. Requires Performance Valve Spring Kit.

.430/.430	286°/286°	258°/258°	84	N/A	<b>80-171</b>	N/A
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Tremendous mid and upper end performance for racing engines. Includes new OEM bolt, washer and pin. Requires High Compression Piston, and Performance Valve Spring Kit.

.440/.390	286°/272°	258°/244°	17/88mc	N/A	<b>81-131</b>	N/A
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Top end profile. Must use valve spring kit. May have to clearance the head for cam rotation. Includes new OEM bolt, washer and pin. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances!

Cam Core **CC-Y04**  
Please specify year and model when ordering. Price (Each).

Rocker Arm Hardwelded **HR-Y01**  
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).

Rocker Arm, Core **RC-Y01**  
Please specify year and model when ordering. Price (Each).

Valve Spring Kit With Aluminum Retainers **VC-Y25**  
Kit includes performance dual springs, Aluminum retainers, bottom cups, keepers, and shims. Price Per Set (2).

Valve Spring Kit With Titanium Retainers **VC-Y30**  
Kit includes performance dual springs, Titanium retainers, bottoms, and steel keepers. OK to .520" valve lift. Check ALL clearances! Price Per Set (2).

Valves, Stainless Intake Standard Size **IV-Y05**  
Standard size 40 mm. Fits Warrior. Price (Each).

Valves, Stainless Intake Oversized +1 mm **OV-Y05**  
Oversized to 41 mm. Fits Warrior. Price (Each).

Valves, Stainless Exhaust Standard Size **EV-Y06**  
Standard size 34 mm. Fits Warrior. Price (Each).

Valve Guide, Shortened OK up .500 valve lift Standard Size **VG-Y01**  
Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Fits intake and exhaust. Price (Each).

**NOTE: All our profiles come with a new OEM bolt, washer and dowel pin.  
Do not reuse your old bolt, washer, or dowel pin! Torque your new bolt to 43 Ft. Lbs.  
You may need to clearance the cylinder head for lobe clearance.**

## Yamaha Wolverine 350 (2006) SOHC 2v

.390/.390	274°/274°	244°/244°	88mc	N/A	<b>80-641</b>	N/A
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Performance profile designed to increase overall performance. Includes new OEM bolt, washer and pin. Requires Performance Valve Spring Kit.

.430/.430	286°/286°	258°/258°	84	N/A	<b>80-651</b>	N/A
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Tremendous mid and upper end performance for racing engines. Includes new OEM bolt, washer and pin. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit.

Cam Core **CC-Y19**  
Please specify year and model when ordering. Price (Each).

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Yamaha Wolverine 350 (07-09) SOHC 2v

.390/.390	274°/274°	244°/244°	88mc	N/A	<b>80-701</b>	N/A
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Performance profile designed to increase overall performance. Includes new OEM bolt, washer and pin. Requires Performance Valve Spring Kit.

.413/.413	250°/250°	232°/232°	956	N/A	<b>80-691</b>	N/A
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Improves torque and acceleration. Cam includes new OEM bolt, washer and pin. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit.

.430/.430	286°/286°	258°/258°	84	N/A	<b>80-711</b>	N/A
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Tremendous mid and upper end performance for racing engines. Includes new OEM bolt, washer and pin. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit.

Cam Core **CC-Y28**  
Please specify year and model when ordering. Price (Each).

Valve Spring Kit With Titanium Retainers **VC-Y30**  
Kit includes performance dual springs, Titanium retainers, bottoms, and steel keepers. OK to .520" valve lift. Check ALL clearances! Price Per Set (2).

**NOTE: All our profiles come with a new OEM bolt, washer and dowel pin.  
Do not reuse your old bolt, washer, or dowel pin! Torque your new bolt to 43 Ft. Lbs**

## Yamaha Wolverine 450 (06-10) SOHC 2v

.390/.390	274°/274°	244°/244°	88mc	N/A	<b>80-391</b>	N/A
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Performance profile designed to increase overall performance. Includes new OEM bolt, washer and pin. Requires Performance Valve Spring Kit.

.413/.413	250°/250°	232°/232°	956	N/A	<b>80-751</b>	N/A
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Improves torque and acceleration. Cam includes new OEM bolt, washer and pin. Requires Performance Valve Spring Kit.

Cam Core **CC-Y06**  
Please specify year and model when ordering. Price (Each).

Cam Gear OEM **CG-Y06**  
Replacement stock cam gear.

Valve Spring Kit With Titanium Retainers **VC-Y30**  
Kit includes performance dual springs, Titanium retainers, bottoms, and steel keepers. OK to .520" valve lift. Check ALL clearances! Price Per Set (2).

**NOTE: All our profiles come with a new OEM bolt, washer and dowel pin.  
Do not reuse your old bolt, washer, or dowel pin! Torque your new bolt to 43 Ft. Lbs.**

## Yamaha YFM 50 RX (2008) SOHC 2v

.240/.240	246°/246°		623	N/A	<b>80-891</b>	N/A
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Good torque and acceleration. Bolts in with no modifications.

.244/.244	266°/266°		315	N/A	<b>80-211</b>	N/A
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Bolt in profile increases mid and upper end performance.

Cam Core **CC-Y09**  
Please specify year and model when ordering. Price (Each).

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
.355/.338	276°/281°	252°/257°	187/159e	N/A	80-561	80-562
Bolt in profile increases overall performance throughout RPM range. Requires performance valve spring kit if using stainless valves. Price Per Set (2).						
.355/.355	276°/282°	252°/258°	187/943	N/A	80-611	80-612
Race profile designed to increase mid and upper end performance. Maintains excellent torque. Requires performance valve spring kit if using stainless valves. Price Per Set (2).						
.355/.355	282°/282°	258°/258°	943	N/A	80-571	80-572
Race profile designed to increase mid and upper end performance. Requires performance valve spring kit if using stainless valves. Price Per Set (2).						
.356/.356	282°/282°	262°/262°	963	N/A	80-661	80-662
Race profile designed to increase mid and upper end performance. Requires High Compression Piston / Big Bore, Exhaust System, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.356/.363	282°/286°	262°/263°	963/216	N/A	81-181	81-182
Made for TT applications. For race engines only. Requires High Compression Piston 14:1, Performance Valve Spring Kit, and Exhaust System. Check ALL clearances! Price Per Set (2).						
.360/.338	266°/268°	242°/247°	297/192	N/A	80-581	80-582
Torque profile designed to give excellent throttle response. Requires performance valve spring kit if using stainless valves. Price Per Set (2).						
Cam Core						CC-Y22
Please specify year and model when ordering. New cams are sold outright. No core required. Price Per Set (2).						
Cam Gear, Adjustable With Adaptors						CG-Y45
Use with all WEB CAM profiles for precise engine tuning. Kit includes adjustable sprockets, adaptors, cam bolts. Price Per Set (2).						
Valve Spring Kit With Aluminum Retainers						VC-Y07
Kit includes performance single PSI springs, Aluminum retainers, and bottom. OK to .400" valve lift. Price Per Set (5).						
Valve Spring Kit With Titanium Retainers						VC-Y46
Kit includes performance dual springs, Titanium retainers, valve guide seals, and bottoms. Required if using stainless steel valves. OK to .380 valve lift. Price Per Set (5).						
Valve Spring Kit With Titanium Retainers						VC-Y49
Kit includes performance single PSI springs, Titanium retainers, and bottom cups. OK to .400" valve lift. Price Per Set (5).						
Valves, Stainless Intake Center Standard Size						IV-Y09
Standard size 27 mm. Price (Each).						
Valves, Stainless Intake Standard Size						IV-Y06
Standard size 27 mm. Price (Each).						
Valves, Stainless Intake Center Oversized +1 mm						IV-Y10
Oversized to 28 mm. Price (Each).						
Valves, Stainless Intake Oversized +1 mm						IV-Y08
Oversized to 28 mm. Price (Each).						
Valves, Stainless Exhaust Standard Size						EV-Y11
Standard size 28 mm. Price (Each).						
Valves, Stainless Exhaust Oversized +1 mm						EV-Y12
Oversized to 29 mm. Price (Each).						
Valves, Titanium Intake Center Oversized +1 mm						IV-Y15
Oversized to 28 mm. Price (Each).						

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
Valves, Titanium Intake Oversized +1 mm Oversized to 28 mm. Price (Each).						IV-Y14
Valves, Titanium Intake Center Oversized +2 mm Oversized to 29 mm. Price (Each).						IV-Y18
Valves, Titanium Intake Oversized +2 mm Oversized to 29 mm. Price (Each).						IV-Y17
Valves, Titanium Exhaust Oversized +1 mm Oversized to 29 mm. Price (Each).						EV-Y16
Valves, Titanium Exhaust Oversized +2 mm Oversized to 30 mm. Price (Each).						EV-Y18
Valve Guide, Shortened .030" Intake Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010 Price (Each).						VG-Y02-I
Valve Guide, Shortened .030" Exhaust Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010 Price (Each).						VG-Y02-E
<b>Yamaha YFZ 450 R (09-13) FI DOHC 5v</b>						
.369/.359 High lift short duration racing profile. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).	276°/269°	254°/246°	1091/1092	N/A	81-241	81-242
.355/.355 Performance profile designed to increase mid and upper end. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).	282°/276°	258°/252°	943/187	N/A	81-231	81-232
.356/.363 Top end profile. Injection modifications may be necessary. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).	282°/286°	262°/263°	963/216	N/A	81-251	81-252
Cam Core Please specify year and model when ordering. Price Per Set (2).						CC-Y33
Cam Gear, Adjustable With Adaptors Use with all WEB CAM profiles for precise engine tuning. Kit includes adjustable sprockets, adapters, cam bolts. Price Per Set (2).						CG-Y45
Valve Spring Kit With Aluminum Retainers Kit includes performance single PSI springs, Aluminum retainers, and bottom. OK to .400" valve lift. Price Per Set (5).						VC-Y07
Valve Spring Kit With Titanium Retainers Kit includes performance dual springs, Titanium retainers, valve guide seals, and bottoms. Required if using stainless steel valves. OK to .380 valve lift. Price Per Set (5).						VC-Y46
Valve Spring Kit With Titanium Retainers Kit includes performance single PSI springs, Titanium retainers, and bottom cups. OK to .400" valve lift. Price Per Set (5).						VC-Y49
Valves, Stainless Intake Center Standard Size Standard size 27 mm. Price (Each).						IV-Y09
Valves, Stainless Intake Standard Size Standard size 27 mm. Price (Each).						IV-Y06
Valves, Stainless Intake Center Oversized +1 mm Oversized to 28 mm. Price (Each).						IV-Y10

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
Valves, Stainless Intake Oversized +1 mm Oversized to 28 mm. Price (Each).						IV-Y08
Valves, Stainless Exhaust Standard Size Standard size 28 mm. Price (Each).						EV-Y11
Valves, Stainless Exhaust Oversized +1 mm Oversized to 29 mm. Price (Each).						EV-Y12
Valves, Titanium Intake Center Oversized +1 mm Oversized to 28 mm. Price (Each).						IV-Y15
Valves, Titanium Intake Oversized +1 mm Oversized to 28 mm. Price (Each).						IV-Y14
Valves, Titanium Intake Center Oversized +2 mm Oversized to 29 mm. Price (Each).						IV-Y18
Valves, Titanium Intake Oversized +2 mm Oversized to 29 mm. Price (Each).						IV-Y17
Valves, Titanium Exhaust Oversized +1 mm Oversized to 29 mm. Price (Each).						EV-Y16
Valves, Titanium Exhaust Oversized +2 mm Oversized to 30 mm. Price (Each).						EV-Y18
Valve Guide, Shortened .030" Intake Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010 Price (Each).						VG-Y02-I
Valve Guide, Shortened .030" Exhaust Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010 Price (Each).						VG-Y02-E

## Yamaha YFZ 450 X / XZL (10-11) DOHC 5v

.369/.359	276°/269°	254°/246°	1091/1092	N/A	81-241	81-242
High lift short duration racing profile. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).						
.355/.355	282°/276°	258°/252°	943/187	N/A	81-231	81-232
Performance profile designed to increase mid and upper end. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).						
.356/.363	282°/286°	262°/263°	963/216	N/A	81-251	81-252
Top end profile. Injection modifications may be necessary. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).						
Cam Core						CC-Y33
Please specify year and model when ordering. Price Per Set (2).						
Cam Gear, Adjustable With Adaptors						CG-Y45
Use with all WEB CAM profiles for precise engine tuning. Kit includes adjustable sprockets, adaptors, cam bolts. Price Per Set (2).						
Valve Spring Kit With Aluminum Retainers						VC-Y07
Kit includes performance single PSI springs, Aluminum retainers, and bottom. OK to .400" valve lift. Price Per Set (5).						
Valve Spring Kit With Titanium Retainers						VC-Y46
Kit includes performance dual springs, Titanium retainers, valve guide seals, and bottoms. Required if using stainless steel valves. OK to .380 valve lift. Price Per Set (5).						

<b>VALVE LIFT</b>	<b>DURATION</b>	<b>DURATION @.050</b>	<b>GRIND NUMBER</b>	<b>REGRIND</b>	<b>HARD WELD</b>	<b>NEW CAM</b>
Valve Spring Kit With Titanium Retainers Kit includes performance single PSI springs, Titanium retainers, and bottom cups. OK to .400" valve lift. Price Per Set (5).						<b>VC-Y49</b>
Valves, Stainless Intake Center Standard Size Standard size 27 mm. Price (Each).						<b>IV-Y09</b>
Valves, Stainless Intake Standard Size Standard size 27 mm. Price (Each).						<b>IV-Y06</b>
Valves, Stainless Intake Center Oversized +1 mm Oversized to 28 mm. Price (Each).						<b>IV-Y10</b>
Valves, Stainless Intake Oversized +1 mm Oversized to 28 mm. Price (Each).						<b>IV-Y08</b>
Valves, Stainless Exhaust Standard Size Standard size 28 mm. Price (Each).						<b>EV-Y11</b>
Valves, Stainless Exhaust Oversized +1 mm Oversized to 29 mm. Price (Each).						<b>EV-Y12</b>
Valves, Titanium Intake Center Oversized +1 mm Oversized to 28 mm. Price (Each).						<b>IV-Y15</b>
Valves, Titanium Intake Oversized +1 mm Oversized to 28 mm. Price (Each).						<b>IV-Y14</b>
Valves, Titanium Intake Center Oversized +2 mm Oversized to 29 mm. Price (Each).						<b>IV-Y18</b>
Valves, Titanium Intake Oversized +2 mm Oversized to 29 mm. Price (Each).						<b>IV-Y17</b>
Valves, Titanium Exhaust Oversized +1 mm Oversized to 29 mm. Price (Each).						<b>EV-Y16</b>
Valves, Titanium Exhaust Oversized +2 mm Oversized to 30 mm. Price (Each).						<b>EV-Y18</b>
Valve Guide, Shortened .030" Intake Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010 Price (Each).						<b>VG-Y02-I</b>
Valve Guide, Shortened .030" Exhaust Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010 Price (Each).						<b>VG-Y02-E</b>

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Yamaha YTM 225 (83-86) SOHC 2v

.360/.360	258°/258°	236°/236°	40a	N/A	<b>80-231</b>	N/A
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Performance profile increases overall power throughout RPM range. Requires Exhaust System, and Performance Valve Spring Kit.

.395/.395	260°/260°	238°/238°	89	N/A	<b>80-261</b>	N/A
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Good overall performance increase. Requires Performance Valve Spring Kit.

.395/.395	270°/270°	248°/248°	89a	N/A	<b>80-271</b>	N/A
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Strong mid and upper end performance. Requires High Compression Piston, and Performance Valve Spring Kit.

Cam Core **CC-Y00**  
Please specify year and model when ordering. Price (Each).

Valve Spring Kit With CrMo Retainers Beehive (Race) **VC-Y22**  
Kit includes performance single ovate beehive springs, Chrome Moly retainers, bottom cups, and shims. OK to .475" valve lift. Price Per Set (2).

Valve Spring Kit With CrMo Retainers **VC-Y21**  
Kit includes performance dual springs and chrome moly retainers, bottoms and shims. Needs shortened guides with lifts over .465. Price Per Set (2).

Valve Spring Kit With Titanium Retainers Beehive (Race) **VC-Y08**  
Kit includes performance single ovate beehive springs, titanium retainers, and bottom cups. OK to .475" valve lift. Price Per Set (2).

## Yamaha YTM 250 E SOHC 2v

.360/.360	258°/258°	236°/236°	40a	N/A	<b>80-231</b>	N/A
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Performance profile increases overall power throughout RPM range. Requires Exhaust System, and Performance Valve Spring Kit.

.395/.395	260°/260°	238°/238°	89	N/A	<b>80-261</b>	N/A
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Good overall performance increase. Requires Performance Valve Spring Kit.

.395/.395	270°/270°	248°/248°	89a	N/A	<b>80-271</b>	N/A
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Strong mid and upper end performance. Requires High Compression Piston, and Performance Valve Spring Kit.

Cam Core **CC-Y00**  
Please specify year and model when ordering. Price (Each).

Valve Spring Kit With CrMo Retainers Beehive (Race) **VC-Y22**  
Kit includes performance single ovate beehive springs, Chrome Moly retainers, bottom cups, and shims. OK to .475" valve lift. Price Per Set (2).

Valve Spring Kit With CrMo Retainers **VC-Y21**  
Kit includes performance dual springs and chrome moly retainers, bottoms and shims. Needs shortened guides with lifts over .465. Price Per Set (2).

Valve Spring Kit With Titanium Retainers Beehive (Race) **VC-Y08**  
Kit includes performance single ovate beehive springs, titanium retainers, and bottom cups. OK to .475" valve lift. Price Per Set (2).

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
.440/.405	258°/256°	238°/232°	692-691-524/689-688-527	N/A	N/A	<b>35-472</b>
Off-road application. Specifications on big lobes only. Price Per Set (2).						
.440/.405	258°/256°	238°/232°	522-523-524/525-526-527	N/A	N/A	<b>35-392</b>
Replica of the Type R profile, street application. Specifications on big lobes only. Price Per Set (2).						
.455/.415	273°/271°	253°/247°	522-13-492/525-13-737	N/A	N/A	<b>35-442</b>
Stage 1. Specifications on big lobes only. Price Per Set (2).						
.455/.415	279°/276°	259°/252°	522-13-492+3°/525-13-737+2.5°	N/A	N/A	<b>35-452</b>
Stage 2. Specifications on big lobes only. Price Per Set (2).						
.475/.460	270°/260°	250°/240°	691-691-690+2.5°/688-688-687+2.5°	N/A	N/A	<b>35-522</b>
Street / Strip. Turbo application. Specifications for the big lobe only. Requires Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.475/.468	293°/287°	271°/269°	691-691-690+2.5°/688-688-687+2.5°	N/A	N/A	<b>35-352</b>
Stage 3 plus. Price Per Set (2).						
.475/.468	288°/282°	266°/264°	692-691-690/689-688-687	N/A	N/A	<b>35-462</b>
Stage 3. Race application. Price Per Set (2).						
Valve Spring Kit With Titanium Retainers "High Performance"						<b>VC-A00</b>
Kit includes performance single springs and Titanium retainers. 0.060" shims included for exhaust only! OK up to 0.500" valve lift. Fits B18a engines. Check ALL clearances! Price Per Set (16).						
Valve Spring Kit With Titanium Retainers "High Performance"						<b>VC-A03</b>
Kit includes performance dual springs, Titanium retainers, and bottoms. 0.030" and 0.060" shims are included. Not all applications need to use the supplied shims. Fits Acura 1.8 B 18 C / B 16 A engine. OK up to 0.500" valve lift. OK for turbo use. Shortened guides needed for lifts above .470. Check ALL clearances! Price Per Set (16).						
Valves, Stainless Intake Standard Size						<b>IV-A00</b>
Standard size 33 mm. Price (Each).						
Valves, Stainless Intake Oversized +1 mm						<b>IV-A01</b>
Oversized to 34 mm. Price (Each).						
Valves, Stainless Exhaust Standard Size						<b>EV-A02</b>
Standard size 28 mm. Price (Each).						
Valves, Stainless Exhaust Oversized +1 mm						<b>EV-A03</b>
Oversized to 29 mm. Price (Each).						
Valve Guide, Shortened .070", Includes Guide Seals Intake Standard Size						<b>VG-A04</b>
Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Price (Each).						
Valve Guide, Shortened .070", Includes Guide Seals Exhaust Standard Size						<b>VG-A05</b>
Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Price (Each).						

Please note: Must use Type R Loss Motion Assembly (LMA) for valve lifts above .475. Order directly from OEM. See part 14820-P73J01.

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Acura Integra B 18 A OR B (91-01) NON VTEC DOHC 16v

.395/.390	228°/228°	210°/210°	148e	35-000	N/A	35-002
Offers increased performance over entire RPM range. Works with factory fuel injection. New cams available for 1990 and newer. Price Per Set (2).						
.395/.390	242°/242°	222°/222°	115	35-220	N/A	35-222
Offers increased mid and upper end performance over profile 148e. OK with stock injection. Fair idle. New cams available for 1990 and newer. Price Per Set (2).						
.410/.405	250°/250°	228°/228°	452	35-270	N/A	35-272
Strong mid and upper end performance designed for carbureted or programmable fuel injected engines. Not recommended for engines 1996 and up with factory fuel injection. New cams available for 1990 and newer. Price Per Set (2).						

Valve Spring Kit With Titanium Retainers "Turbo" VC-A01  
 Kit includes performance dual springs and Titanium retainers. 0.060" shims included for exhaust only! OK up to 0.500" lift. Installed at 1.390" - 1.400". Fits B18A engine. Price Per Set (16).

New cams available for 1990 and newer.

## Acura Integra B 18 C (94-01) VTEC DOHC 16v

.440/.405	258°/256°	238°/232°	692-691-524/689-688-527	N/A	N/A	35-472
Off-road application. Specifications on big lobes only. Price Per Set (2).						
.440/.405	258°/256°	238°/232°	522-523-524/525-526-527	N/A	N/A	35-392
Replica of the Type R profile, street application. Specifications on big lobes only. Price Per Set (2).						
.455/.415	273°/271°	253°/247°	522-13-492/525-13-737	N/A	N/A	35-442
Stage 1. Specifications on big lobes only. Price Per Set (2).						
.455/.415	279°/276°	259°/252°	522-13-492+3°/525-13-737+2.5°	N/A	N/A	35-452
Stage 2. Specifications on big lobes only. Price Per Set (2).						
.475/.460	270°/260°	250°/240°	691-691-690+2.5°/688-688-687+2.5°	N/A	N/A	35-522
Street / Strip. Turbo application. Specifications for the big lobe only. Requires Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.475/.468	293°/287°	271°/269°	691-691-690+2.5°/688-688-687+2.5°	N/A	N/A	35-352
Stage 3 plus. Price Per Set (2).						
.475/.468	288°/282°	266°/264°	692-691-690/689-688-687	N/A	N/A	35-462
Stage 3. Race application. Price Per Set (2).						

Valve Spring Kit With Titanium Retainers "High Performance" VC-A00  
 Kit includes performance single springs and Titanium retainers. 0.060" shims included for exhaust only! OK up to 0.500" valve lift. Fits B18a engines. Check ALL clearances! Price Per Set (16).

Valve Spring Kit With Titanium Retainers "High Performance" VC-A03  
 Kit includes performance dual springs, Titanium retainers, and bottoms. 0.030" and 0.060" shims are included. Not all applications need to use the supplied shims. Fits Acura 1.8 B 18 C / B 16 A engine. OK up to 0.500" valve lift. OK for turbo use. Shortened guides needed for lifts above .470. Check ALL clearances! Price Per Set (16).

Valves, Stainless Intake Standard Size IV-A00  
 Standard size 33 mm. Price (Each).

Valves, Stainless Intake Oversized +1 mm IV-A01  
 Oversized to 34 mm. Price (Each).

Valves, Stainless Exhaust Standard Size EV-A02  
 Standard size 28 mm. Price (Each).

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
Valves, Stainless Exhaust Oversized +1 mm Oversized to 29 mm. Price (Each).						EV-A03
Valve Guide, Shortened .070", Includes Guide Seals Intake Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Price (Each).						VG-A04
Valve Guide, Shortened .070", Includes Guide Seals Exhaust Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Price (Each).						VG-A05

Please note: Must use Type R Loss Motion Assembly (LMA) for valve lifts above .475. Order directly from OEM.  
See part 14820-P73J01.

### Acura Integra (Japan) D 16 A 1, ZC (86-89) DOHC 16v

.402/.385	242°/242°	222°/220°	688/1009	35-530	N/A	N/A
Bolt in profile increases overall performance throughout RPM range. Price Per Set (2).						
.410/.395	250°/242°	228°/222°	452/115	35-190	N/A	N/A
Race profile designed for extreme acceleration with added mid and upper end performance. Requires High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						

### Acura Integra (PRO Series) B 17 A (92-93) VTEC DOHC 16v

.530/.510	280°/278°	260°/256°	612/595	N/A	N/A	35-402
Drag race application. This profile requires WEB CAM'S special rockers and spacers. Uses outside lobes ONLY. Price Per Set (2).						
Rocker Arm, Extended Hardwelded Specially designed steel hardwelded extended pad rockers for serious racers ONLY! Custom cams required. Please call for more details. Requires spacers, see part SP-000. Price (Each).						HR-H08
Spacer Spacer needed to run WEB CAM Special Rocker Arms. Price (Each).						SP-000
Valve Spring Kit With Titanium Retainers Kit includes performance dual springs and Titanium retainers. Must use our keepers with this kit, order part #VK-A00.						VC-A04
Valve Keepers (32 pieces) Must be used with VC-A04 spring kit. Price Per Set (16).						VK-A00
VTEC Solenoid Block Off Plate This billet aluminum plate was specially designed to maintain the factory gasket, and to block off the original oil holes for a OEM VTEC assembly. Only use when installing WEB CAM Pro Series Rocker Arms.						95-004

\*\*Custom grinding is available upon request\*\*

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Acura Integra (PRO Series) B 18 C (94-01) VTEC DOHC 16v

.530/.510	280°/278°	260°/256°	612/595	N/A	N/A	35-402
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Drag race application. This profile requires WEB CAM'S special rockers and spacers. Uses outside lobes ONLY. Price Per Set (2).

Rocker Arm, Extended Hardwelded HR-H08  
 Specially designed steel hardwelded extended pad rockers for serious racers ONLY! Custom cams required. Please call for more details. Requires spacers, see part SP-000. Price (Each).

Spacer SP-000  
 Spacer needed to run WEB CAM Special Rocker Arms. Price (Each).

Valve Spring Kit With Titanium Retainers VC-A04  
 Kit includes performance dual springs and Titanium retainers. Must use our keepers with this kit, order part #VK-A00.

Valve Keepers (32 pieces) VK-A00  
 Must be used with VC-A04 spring kit. Price Per Set (16).

VTEC Solenoid Block Off Plate 95-004  
 This billet aluminum plate was specially designed to maintain the factory gasket, and to block off the original oil holes for a OEM VTEC assembly. Only use when installing WEB CAM Pro Series Rocker Arms.

\* \*Custom grinding is available upon request\* \*

## Acura RSX-S K 20 A 2, K 20 Z 1 (02-06) VTEC DOHC 16v

.560/.483	272°/267°	248°/242°		N/A	N/A	35-502
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Turbo profile for street / strip. Price Per Set (2).

.516/.467	278°/272°	254°/246°		N/A	N/A	35-492
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Stage 1. Price Per Set (2).

.532/.490	278°/272°	259°/248°		N/A	N/A	35-422
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Stage 2. Price Per Set (2).

.569/.508	277°/272°	251°/251°		N/A	N/A	35-432
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Stage 3. Price Per Set (2).

Custom grinding available, call us direct for further details.  
 Specifications are shown for the Big lobe ONLY, and figured with a 1.75 rocker arm ratio.

## Acura TSX K 24 A 2 VTEC DOHC 16v

.560/.483	272°/267°	248°/242°		N/A	N/A	35-502
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Turbo profile for street / strip. Price Per Set (2).

.516/.467	278°/272°	254°/246°		N/A	N/A	35-492
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Stage 1. Price Per Set (2).

.532/.490	278°/272°	259°/248°		N/A	N/A	35-422
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Stage 2. Price Per Set (2).

.569/.508	277°/272°	251°/251°		N/A	N/A	35-432
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Stage 3. Price Per Set (2).

New steel billets now in stock. Custom grinding available, call us directly for further details.

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Austin Healey 12v

	Precision grind your cam to factory specifications.		Stock	<b>40-030</b>	N/A	N/A
.398/.398	248°/248°	214°/214°	84	<b>40-000</b>	N/A	N/A
Good all around cam with broad power range for stock engines.						
.420/.420	260°/260°	232°/232°	7	<b>40-010</b>	N/A	N/A
Improved mid and upper end performance. Use in modified engines.						
.435/.435	290°/290°	252°/252°	1	<b>40-020</b>	N/A	N/A
Strong top end for competition engines.						

### Lifters Regrind

We will precision grind your stock lifters to factory specifications. Use with all reground cams. Price Per Set (8).

**RL-043**

Severe lobe damage can be repaired by welding. Please call for more details.

## Austin Healey 100 / 4 (53-56) 8v

### Lifters Regrind

We will precision grind your stock lifters to factory specifications. Use with all reground cams. Price Per Set (8).

**RL-004**

## BMW M 10 4 Cylinder (61-87) SOHC 8v

	Precision grind your 4 cylinder camshaft.		Stock	<b>01-000</b>	N/A	N/A
.364/.364	268°/268°	242°/242°	169	<b>01-020</b>	N/A	N/A
Improved mid and upper end performance for 4 cylinder engines. Carburetors or stock injection.						

## BMW M 20 (Baby Six) SOHC 12v

Precision grind your 6 cylinder camshaft.

Stock **01-010** N/A N/A

Performance profiles available. Please call for more information.

N/A **01-071** N/A

## BMW M 3 (88-91) DOHC 16v

.438/.438	278°/278°	244°/244°	551	N/A	<b>01-061</b>	N/A
Performance profile for stock or modified engines. Price Per Set (2).						

## Chevrolet Cruze LLU 16 Turbo DOHC 16v

.307/.307	208°/208°	182°/182°	906	N/A	<b>11-061</b>	N/A
Performance profile designed to increase overall power. Check ALL clearances! Price Per Set (2).						

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Chrysler Eagle Talon (85-99) DOHC 16v

.400/.385	272°/256°	206°/206°	546/547	N/A	N/A	36-002
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Bolt in profile increases overall performance throughout RPM range. Stock fuel injection OK. Price Per Set (2).

.415/.390	264°/274°	214°/212°	452/228	N/A	N/A	36-012
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Improves mid and upper end performance for built engines. Turbo use OK. Requires Programmable Injection, and Performance Valve Spring Kit. Price Per Set (2).

.415/.390	276°/274°	222°/212°	453/228	N/A	N/A	36-022
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Race profile. Serious mid and upper end performance. Turbo use OK. A WEB CAM Winner! Requires Programmable Injection, and Performance Valve Spring Kit. Price Per Set (2).

Valve Spring Kit With Titanium Retainers VC-MIT  
 Kit includes performance dual springs, Titanium retainers, and bottoms. Can be used for TURBO application. Fits 1989 - 1994 2.0 liter large port, turbo and non 4G63 engines. OK up to .465" valve lift. Price Per Set (16).

Valves, Stainless Intake Standard Size IV-M00  
 Standard size 34 mm. Fits 1989 - 1994 2.0 liter large port, turbo and non turbo G63 engines. Price (Each).

Valves, Stainless Intake Oversized +1 mm IV-M01  
 Oversized to 35 mm. Fits 1989 - 1994 2.0 liter large port, turbo and non turbo 4G63 engines. Price (Each).

Valves, Stainless Exhaust Standard Size EV-M02  
 Standard size 30.50 mm. Fits 1989 - 1994 2.0 liter large port, turbo and non turbo 4G63 engines. Price (Each).

Valves, Stainless Exhaust Oversized +1 mm EV-M03  
 Oversized to 31.50 mm. Fits 1989 - 1994 2.0 liter large port, turbo and non turbo 4G63 engines. Price (Each).

Valve Guide, Shortened .085" Intake Standard Size VG-M04  
 Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Fits 1989 - 1994 2.0 liter large port, turbo and non turbo 4G63 engines. Price (Each).

Valve Guide, Shortened .185" Exhaust Standard Size VG-M05  
 Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Fits 1989 - 1994 2.0 liter large port, turbo and non turbo 4G63 engines. Price (Each).

Valve Seals High Temp VS-M06  
 High temperature valve stem seals. Must be used with part VG-M05. Fits 1989 - 1994 2.0 liter large port, turbo and non turbo 4G63 engines. Price Per Set (16).

## Datsun L Series (69-80) SOHC 8v

.430/.430	248°/248°	230°/230°	94a	15-020	15-021	15-022
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Improved mid and upper end performance. Use in stock or modified engines. Requires Lash Caps.

.450/.450	260°/260°	238°/238°	91	15-000	15-001	15-002
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Strong mid and upper end performance for street / strip. Requires Lash Caps.

.488/.488	252°/252°	230°/230°	155	15-030	15-031	N/A
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Strong broad power range for built street and off-road engines. Requires Lash Caps.

.580/.580	304°/304°	276°/278°	84	N/A	15-051	N/A
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Special racing profile. Tremendous top end performance. Competition use only! Requires Lash Caps.

Lash caps are available directly from Nissan Motorsports.

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
.430/.430	248°/248°	230°/230°	94a	20-000	N/A	20-002
Offers improved mid and upper end performance. For use in stock or modified engines. Requires Lash Caps.						
.450/.450	260°/260°	238°/238°	91	20-050	N/A	20-052
Strong mid and upper end performance for street / strip. Requires Lash Caps.						
.488/.488	252°/252°	230°/230°	155	20-010	N/A	20-012
Very broad power band, good all around cam. Requires Performance Valve Spring Kit, and Lash Caps. Price Per Set (2).						
.488/.488	262°/262°	240°/240°	155a	20-020	N/A	20-022
Good mid and upper end performance for hot street cars with modified engines. Requires Lash Caps.						
.510/.510	266°/266°	246°/246°	87	N/A	N/A	20-032
Strong mid and upper end performance for rally and off-road racing engines. Requires Lash Caps.						
.585/.585	304°/304°	284°/284°	84	N/A	N/A	20-042
Special racing profile. Tremendous top end performance. Competition use only! Requires Lash Caps.						

Lash caps are available directly from Nissan Motorsports.

**\*\*We only have a limited quantity for the new cams available, casting manufacturer discontinued the blanks\*\***

## Ferrari 12 Cylinder DOHC 24v

			Stock	27-020	N/A	N/A
For all DOHC 12 cylinder, 24 valve engines. Precision grind each cam to factory specifications. Price (Each).						
.360/.338	290°/284°	266°/256°	200i/200e	N/A	27-051	N/A
Hot street for carbureted, DOHC 12 cylinder. Price Per Set (4).						

NOTE: On stock grinds, severe lobe damage can be repaired by hard welding. Custom grinding is available for most models. Please remove all gears, plugs, drives, etc. before sending camshafts. A labor fee of \$25.00 minimum per cam will be charged for removal. Some parts, such as cam plugs could be damaged. Contact us for details.

## Ferrari 12 Cylinder DOHC 48v

			Stock	27-060	N/A	N/A
For all DOHC 12 cylinder, 48 valve engines. Precision grind each cam to factory specifications. Price (Each).						
				N/A	27-071	N/A
Performance profiles available. Please call for more information. Price Per Set (4).						

NOTE: On stock grinds, severe lobe damage can be repaired by hard welding. Custom grinding is available for most models. Please remove all gears, plugs, drives, etc. before sending camshafts. A labor fee of \$25.00 minimum per cam will be charged for removal. Some parts, such as cam plugs could be damaged. Contact us for details.

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Ferrari 308 (79-82) DOHC 16v

			Stock	<b>27-010</b>	N/A	N/A
For all DOHC 8 cylinder, 16 valve engines. Precision grind each cam to factory specifications. Price (Each).						
.360/.332	270°/264°	247°/239°	116/117	N/A	<b>27-041</b>	N/A
Performance street profile for carbureted V8. Price Per Set (4).						

NOTE: On stock grinds, severe lobe damage can be repaired by hard welding. Custom grinding is available for most models. Please remove all gears, plugs, drives, etc. before sending camshafts. A labor fee of \$25.00 minimum per cam will be charged for removal. Some parts, such as cam plugs could be damaged. Contact us for details.

## Ferrari 308 QV (1986) DOHC 32v

.344/.307	245°/244°	222°/216°	Stock	<b>27-030</b>	N/A	N/A
For all DOHC 8 cylinder, 32 valve engines. Precision grind each cam to factory specifications. Price (Each).						

NOTE: On stock grinds, severe lobe damage can be repaired by hard welding. Custom grinding is available for most models. Please remove all gears, plugs, drives, etc. before sending camshafts. A labor fee of \$25.00 minimum per cam will be charged for removal. Some parts, such as cam plugs could be damaged. Contact us for details.

## Ferrari Dino 246 GTS (71-74) DOHC 12v

				<b>27-000</b>	N/A	N/A
For all DOHC 6 cylinder, 12 valve engines. Precision grind each cam to factory specifications. Price (Each).						
.362/.362	286°/286°	262°/262°	216	N/A	<b>27-031</b>	N/A
Performance street profile for carbureted V6. Price Per Set (4).						

NOTE: On stock grinds, severe lobe damage can be repaired by hard welding. Custom grinding is available for most models. Please remove all gears, plugs, drives, etc. before sending camshafts. A labor fee of \$25.00 minimum per cam will be charged for removal. Some parts, such as cam plugs could be damaged. Contact us for details.

## Honda Accord SOHC 12v

.406/.430	232°/252°	214°/234°	94/158i	<b>35-050</b>	N/A	N/A
Very broad power range with good idle for stock fuel injected engines.						
.394/.430	242°/252°	224°/234°	148i/158i	<b>35-040</b>	N/A	N/A
Good overall performance for fuel injected or carbureted engines.						
.410/.410	278°/278°	254°/254°	135	N/A	<b>35-331</b>	N/A
Strong mid and upper end performance for carbureted racing engines only.						

## Honda Accord VTEC SOHC 16v

			601-692-283/13+2.5°(5°)	<b>35-340</b>	N/A	N/A
Designed for hot street / drag racing. Requires Performance Valve Spring Kit.						

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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### Honda Accord F 22 A 6 (1992) NON VTEC SOHC 16v

.380/.370	216°/230°	190°/208°	15/273	35-200	N/A	N/A
Very broad power range with good idle for stock fuel injected engines.						
.380/.370	228°/230°	205°/208°	13/273	35-240	N/A	N/A
Improves mid and upper end performance. Fair Idle.						

### Honda Civic SOHC 8v

.395/.395	252°/252°	230°/230°	102	35-010	35-011	N/A
Good overall performance for stock or modified street engines.						
.390/.390	268°/268°	244°/244°	68	35-020	35-021	N/A
Strong mid and upper end performance for hot street.						
.465/.465	284°/284°	260°/260°	149i	N/A	35-081	N/A
Tremendous mid and upper end performance. Use in racing engines only.						

### Honda Civic (85-87) SOHC 12v

.412/.412	252°/252°	232°/232°	40mc	35-060	N/A	N/A
Good overall performance for fuel injected engines.						
.412/.434	266°/278°	246°/256°	40b/149i	N/A	35-171	N/A
Tremendous mid and upper end performance for racing engines. Programmable fuel injection or carburetor required.						

### Honda Civic D 16 (92-00) VTEC SOHC 16v

Designed for hot street / drag racing. Requires Performance Valve Spring Kit.	35-280	N/A	N/A
Valve Spring Kit With Titanium Retainers	<b>VC-H03</b>		
Kit includes performance dual springs, Titanium retainers, and bottoms. 0.030" shims included for exhaust only. Fits D16Z6 engine 1992 - 1995. OK to .500" valve lift. Check ALL clearances! Price Per Set (16).			

Custom grinding is available please call us directly for more details.

### Honda Civic DX D 16 A 6 (1988) NON VTEC SOHC 16v

Stage 1.	271/606	35-370	N/A	N/A
Stage 2.	150e/273	35-380	N/A	N/A
Stage 3.	1108/265	35-390	N/A	N/A
Stage 4.	409/764	35-400	N/A	N/A

Valve Spring Kit With Titanium Retainers	<b>VC-H16</b>		
Kit includes performance dual springs, Titanium retainers, and bottoms. Shims included are for exhaust only! OK up to 0.485" valve lift. Fits D 16 A 6 engine. Fits 1988 - 1995 1.5L DX. OK up to 10 lbs. of boost. Springs can be installed for higher boost. Check ALL clearances! Price Per Set (16).			

Please note: We must receive the camshaft that came out of the engine to regrind. Turnaround time 5-10 working days.

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
<b>Honda Civic Si B 16 A (94-01) VTEC DOHC 16v</b>						
.440/.405	258°/256°	238°/232°	692-691-524/689-688-527	N/A	N/A	<b>35-472</b>
Off-road application. Specifications on big lobes only. Price Per Set (2).						
.440/.405	258°/256°	238°/232°	522-523-524/525-526-527	N/A	N/A	<b>35-392</b>
Replica of the Type R profile, street application. Specifications on big lobes only. Price Per Set (2).						
.455/.415	273°/271°	253°/247°	522-13-492/525-13-737	N/A	N/A	<b>35-442</b>
Stage 1. Specifications on big lobes only. Price Per Set (2).						
.455/.415	279°/276°	259°/252°	522-13-492+3°/525-13-737+2.5°	N/A	N/A	<b>35-452</b>
Stage 2. Specifications on big lobes only. Price Per Set (2).						
.475/.460	270°/260°	250°/240°	691-691-690+2.5°/688-688-687+2.5°	N/A	N/A	<b>35-522</b>
Street / Strip. Turbo application. Specifications for the big lobe only. Requires Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.475/.468	293°/287°	271°/269°	691-691-690+2.5°/688-688-687+2.5°	N/A	N/A	<b>35-352</b>
Stage 3 plus. Price Per Set (2).						
.475/.468	288°/282°	266°/264°	692-691-690/689-688-687	N/A	N/A	<b>35-462</b>
Stage 3. Race application. Price Per Set (2).						
Valve Spring Kit With Titanium Retainers "High Performance"						<b>VC-A00</b>
Kit includes performance single springs and Titanium retainers. 0.060" shims included for exhaust only! OK up to 0.500" valve lift. Fits B18a engines. Check ALL clearances! Price Per Set (16).						
Valve Spring Kit With Titanium Retainers "High Performance"						<b>VC-A03</b>
Kit includes performance dual springs, Titanium retainers, and bottoms. 0.030" and 0.060" shims are included. Not all applications need to use the supplied shims. Fits Acura 1.8 B 18 C / B 16 A engine. OK up to 0.500" valve lift. OK for turbo use. Shortened guides needed for lifts above .470. Check ALL clearances! Price Per Set (16).						
Valves, Stainless Intake Standard Size						<b>IV-A00</b>
Standard size 33 mm. Price (Each).						
Valves, Stainless Intake Oversized +1 mm						<b>IV-A01</b>
Oversized to 34 mm. Price (Each).						
Valves, Stainless Exhaust Standard Size						<b>EV-A02</b>
Standard size 28 mm. Price (Each).						
Valves, Stainless Exhaust Oversized +1 mm						<b>EV-A03</b>
Oversized to 29 mm. Price (Each).						
Valve Guide, Shortened .070", Includes Guide Seals Intake Standard Size						<b>VG-A04</b>
Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Price (Each).						
Valve Guide, Shortened .070", Includes Guide Seals Exhaust Standard Size						<b>VG-A05</b>
Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Price (Each).						

Please note: Must use Type R Loss Motion Assembly (LMA) for valve lifts above .475. Order directly from OEM. See part 14820-P73J01.

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
<b>Honda Civic SI K 20 A / K 20 Z (06-08) VTEC DOHC 16v</b>						
.560/.483	272°/267°	248°/242°			N/A	N/A
Turbo profile for street / strip. Price Per Set (2).						
.516/.467	278°/272°	254°/246°			N/A	N/A
Stage 1. Price Per Set (2).						
.532/.490	278°/272°	259°/248°			N/A	N/A
Stage 2. Price Per Set (2).						
.569/.508	277°/272°	251°/251°			N/A	N/A
Stage 3. Price Per Set (2).						

New steel billets now in stock. Custom grinding available, call us directly for further details.

### Honda Civic Si (PRO Series) B 16 A (94-01) VTEC DOHC 16v

.530/.510	280°/278°	260°/256°	612/595	N/A	N/A	35-402
Drag race application. This profile requires WEB CAM'S special rockers and spacers. Uses outside lobes ONLY. Price Per Set (2).						
Rocker Arm, Extended Hardwelded						HR-H08
Specially designed steel hardwelded extended pad rockers for serious racers ONLY! Custom cams required. Please call for more details. Requires spacers, see part SP-000. Price (Each).						
Spacer						SP-000
Spacer needed to run WEB CAM Special Rocker Arms. Price (Each).						
Valve Spring Kit With Titanium Retainers						VC-A04
Kit includes performance dual springs and Titanium retainers. Must use our keepers with this kit, order part #VK-A00.						
Valve Keepers (32 pieces)						VK-A00
Must be used with VC-A04 spring kit. Price Per Set (16).						
VTEC Solenoid Block Off Plate						95-004
This billet aluminum plate was specially designed to maintain the factory gasket, and to block off the original oil holes for a OEM VTEC assembly. Only use when installing WEB CAM Pro Series Rocker Arms.						

**\*\*Custom grinding is available upon request\*\***

### Honda CRX (85-87) SOHC 12v

.412/.412	252°/252°	232°/232°	40mc	35-060	N/A	N/A
Good overall performance for fuel injected engines.						
.412/.434	266°/278°	246°/256°	40b/149i	N/A	35-171	N/A
Tremendous mid and upper end performance for racing engines. Programmable fuel injection or carburetor required.						

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Honda CRX Si / D 15 B 2 (88-91) SOHC 16v

.376/.370	226°/230°	206°/208°	148e/273	<b>35-110</b>	N/A	N/A
Good overall performance increase.						
.376/.370	240°/230°	218°/208°	115/273	<b>35-260</b>	N/A	N/A
Special CRX Si profile designed to increase mid and upper end. Fair idle. Works well with nitrous.						
.406/.410	282°/286°	258°/262°	202/168	N/A	<b>35-181</b>	N/A
Tremendous mid and upper end performance. Use in carbureted racing engines only.						

### Valve Spring Kit With Titanium Retainers

Kit includes performance dual springs, Titanium retainers, and bottoms. Shims included are for exhaust only! OK up to 0.485" valve lift. Fits D 16 A 6 engine. Fits 1988 - 1995 1.5L DX. OK up to 10 lbs. of boost. Springs can be installed for higher boost. Check ALL clearances! Price Per Set (16).

**VC-H16**

## Honda Del Sol D 16 (92-00) VTEC SOHC 16v

Designed for hot street / drag racing. Requires Performance Valve Spring Kit.

**35-280** N/A N/A

### Valve Spring Kit With Titanium Retainers

Kit includes performance dual springs, Titanium retainers, and bottoms. 0.030" shims included for exhaust only. Fits D16Z6 engine 1992 - 1995. OK to .500" valve lift. Check ALL clearances! Price Per Set (16).

**VC-H03**

## Honda Prelude SOHC 12v

.406/.430	232°/252°	214°/234°	94/158i	<b>35-050</b>	N/A	N/A
Very broad power range with good idle for stock fuel injected engines.						
.394/.430	242°/252°	224°/234°	148i/158i	<b>35-040</b>	N/A	N/A
Good overall performance for fuel injected or carbureted engines.						
.410/.410	278°/278°	254°/254°	135	N/A	<b>35-331</b>	N/A
Strong mid and upper end performance for carbureted racing engines only.						

## Honda Prelude (88-91) DOHC 16v

.415/.415	232°/232°	210°/210°	13	<b>35-210</b>	N/A	N/A
Improves mid and upper end performance. Fair Idle. Price Per Set (2).						
.418/.418	242°/242°	220°/220°	115	<b>35-230</b>	N/A	N/A
Good mid and upper end performance. Some loss of low RPM and idle quality. Price Per Set (2).						

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Honda Prelude H 22 (92-00) VTEC DOHC 16v

.482/.440	272°/270°	250°/245°	692-691-89a/689-688-267	N/A	N/A	<b>35-302</b>
Stage 1. Good street turbo / normally aspirated profile. High lift with short duration. Requires Performance Valve Spring Kit, and Shortened Valve Guides. Check ALL clearances! Price Per Set (2).						
.460/.430	280°/278°	262°/254°	689-688-687/689-688-683	N/A	N/A	<b>35-512</b>
Stage 2. Requires Performance Valve Spring Kit. Price Per Set (2).						
.475/.468	288°/282°	266°/264°	692-691-690/689-688-687	N/A	N/A	<b>35-412</b>
Stage 3. Race application. Requires Shortened Valve Guides, and Performance Valve Spring Kit. Price Per Set (2).						
.475/.468	293°/287°	271°/269°	691-691-690+2.5°(5°)/688-688-687+2.5°(5°)	N/A	N/A	<b>35-362</b>
Stage 3 plus. Requires Shortened Valve Guides, Performance Valve Spring Kit, and High Compression Piston. Price Per Set (2).						

Cam Gear, Adjustable **CG-601**  
Use with all WEB CAM profiles for precise engine tuning. New CNC adjustable Cam Gear for DOHC engines. Fits H22A1 engines. Price Per Set (2).

Valve Spring Kit With Titanium Retainers **VC-H98**  
Kit includes performance dual springs, Titanium retainers, bottoms, and shims. Shortened guides may be required, minimum retainer to guide seal clearance .030. OK to .520" valve lift. Check ALL clearances! Price Per Set (16).

## Honda Prelude (PRO Series) H 22 (92-00) VTEC DOHC 16v

.520/.498		258°/254°	612/595	N/A	N/A	<b>35-542</b>
Race Only. Requires Exhaust System, Hardwelded Rockers, Shortened Valve Guides, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						

Cam Gear, Adjustable **CG-601**  
Use with all WEB CAM profiles for precise engine tuning. New CNC adjustable Cam Gear for DOHC engines. Fits H22A1 engines. Price Per Set (2).

Rocker Arm, Extended Hardwelded **HR-H08**  
Specially designed steel hardwelded extended pad rockers for serious racers ONLY! Custom cams required. Please call for more details. Requires spacers, see part SP-000. Price (Each).

Spacer **SP-001**  
Spacer needed to run WEB CAM Special Rocker Arms. Price (Each).

Custom grinding is available please call us direct for more details.

## Honda Prelude SI (92-97) NON VTEC DOHC 16v

.390/.390	230°/230°	210°/210°	620+5°(10°)	<b>35-310</b>	N/A	N/A
Improves mid and upper end performance. Price Per Set (2).						

## Mazda Miata (90-93) 1.6L DOHC 16v

.309/.309	221°/227°	202°/208°	824/824+3°(6°)	N/A	<b>37-041</b>	N/A
Stock lift for class rules to increase overall performance throughout RPM range. Stock springs OK. Requires Programmable Injection. Price Per Set (2).						

.352/.352	220°/225°	200°/205°	505/505+2.5°(5°)	N/A	<b>37-001</b>	N/A
Bolt in profile to increase overall performance throughout RPM range. Stock springs OK. Requires Programmable Injection. Price Per Set (2).						

Valve Spring Kit With Titanium Retainers **VC-M01**  
Kit includes performance dual springs, Titanium retainers, and bottoms. OK up to .450" valve lift. Price Per Set (16).

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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### Mazda Miata (94-97) 1.8L DOHC 16v

.352/.352    225°/225°    205°/205°    505+2.5°(5°)    N/A    37-021    N/A  
 Performance profile designed to increase mid and upper end. Stock springs OK. Price Per Set (2).

### Mazda Miata (99-00) 1.8L DOHC 16v

.348/.366    230°/241°    204°/213°    517/222    N/A    37-031    N/A  
 Bolt in profile increases overall performance throughout RPM range. Stock springs OK. Price Per Set (2).

### Mazda MZR 1.5 (2011) DOHC 16v

.349/.326    237°/221°    210°/198°    980/790    N/A    37-051    N/A  
 Performance profile designed to increase overall power. Price Per Set (2).

Custom grinding is available please call us directly for more details.

### Mercedes Benz 4 Cylinder SOHC

Precision grind your 4 cylinder gasoline or diesel camshaft to original factory specifications. Stock 42-000    N/A    N/A

### Mercedes Benz 5 Cylinder SOHC

Precision grind your 5 cylinder gasoline or diesel camshaft to original factory specifications. Stock 42-010    N/A    N/A

### Mercedes Benz 6 Cylinder SOHC

Precision grind your 6 cylinder gasoline or diesel camshaft to original factory specifications. Stock 42-020    N/A    N/A

### Mercedes Benz 8 Cylinder SOHC 16v

Precision grind your 8 cylinder gas or diesel cam to original factory specifications. Price (Each). Stock 42-030    N/A  
 N/A

### MG MGA 8v

Precision grind your cam to factory specifications. Stock 41-030    N/A    N/A

.398/.398    248°/248°    214°/214°    84    41-000    N/A    N/A  
 Good all around cam with broad power range for stock engines.

.420/.420    260°/260°    232°/232°    7    41-010    N/A    N/A  
 Improved mid and upper end performance. Use in modified engines.

.435/.435    290°/290°    252°/252°    1    41-020    N/A    N/A  
 Strong upper end performance for competition engines.

Lifters Regrind    RL-053  
 We will precision grind your stock lifters to factory specifications. Use with all reground cams. Price Per Set (8).

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## MG MGB 8v

	Precision grind your cam to factory specifications.		Stock	<b>41-030</b>	N/A	N/A
.398/.398	248°/248°	214°/214°	84	<b>41-000</b>	N/A	N/A
Good all around cam with broad power range for stock engines.						
.420/.420	260°/260°	232°/232°	7	<b>41-010</b>	N/A	N/A
Improved mid and upper end performance. Use in modified engines.						
.435/.435	290°/290°	252°/252°	1	<b>41-020</b>	N/A	N/A
Strong upper end performance for competition engines.						

### Lifters Regrind

We will precision grind your stock lifters to factory specifications. Use with all reground cams. Price Per Set (8).

**RL-053**

## Mitsubishi Eclipse 4 G 63 (85-99) 2.0L DOHC 16v

.400/.385	272°/256°	206°/206°	546/547	N/A	N/A	<b>36-002</b>
Bolt in profile increases overall performance throughout RPM range. Stock fuel injection OK. Price Per Set (2).						
.415/.390	264°/274°	214°/212°	452/228	N/A	N/A	<b>36-012</b>
Improves mid and upper end performance for built engines. Turbo use OK. Requires Programmable Injection, and Performance Valve Spring Kit. Price Per Set (2).						
.415/.390	276°/274°	222°/212°	453/228	N/A	N/A	<b>36-022</b>
Race profile. Serious mid and upper end performance. Turbo use OK. A WEB CAM Winner! Requires Programmable Injection, and Performance Valve Spring Kit. Price Per Set (2).						

### Valve Spring Kit With Titanium Retainers

Kit includes performance dual springs, Titanium retainers, and bottoms. Can be used for TURBO application. Fits 1989 - 1994 2.0 liter large port, turbo and non 4G63 engines. OK up to .465" valve lift. Price Per Set (16).

**VC-MIT**

### Valves, Stainless Intake Standard Size

Standard size 34 mm. Fits 1989 - 1994 2.0 liter large port, turbo and non turbo G63 engines. Price (Each).

**IV-M00**

### Valves, Stainless Intake Oversized +1 mm

Oversized to 35 mm. Fits 1989 - 1994 2.0 liter large port, turbo and non turbo 4G63 engines. Price (Each).

**IV-M01**

### Valves, Stainless Exhaust Standard Size

Standard size 30.50 mm. Fits 1989 - 1994 2.0 liter large port, turbo and non turbo 4G63 engines. Price (Each).

**EV-M02**

### Valves, Stainless Exhaust Oversized +1 mm

Oversized to 31.50 mm. Fits 1989 - 1994 2.0 liter large port, turbo and non turbo 4G63 engines. Price (Each).

**EV-M03**

### Valve Guide, Shortened .085" Intake Standard Size

Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Fits 1989 - 1994 2.0 liter large port, turbo and non turbo 4G63 engines. Price (Each).

**VG-M04**

### Valve Guide, Shortened .185" Exhaust Standard Size

Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Fits 1989 - 1994 2.0 liter large port, turbo and non turbo 4G63 engines. Price (Each).

**VG-M05**

### Valve Seals High Temp

High temperature valve stem seals. Must be used with part VG-M05. Fits 1989 - 1994 2.0 liter large port, turbo and non turbo 4G63 engines. Price Per Set (16).

**VS-M06**

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Mitsubishi Galant 4 G 63 (85-99) DOHC 16v

.400/.385	272°/256°	206°/206°	546/547	N/A	N/A	36-002
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Bolt in profile increases overall performance throughout RPM range. Stock fuel injection OK. Price Per Set (2).

.415/.390	264°/274°	214°/212°	452/228	N/A	N/A	36-012
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Improves mid and upper end performance for built engines. Turbo use OK. Requires Programmable Injection, and Performance Valve Spring Kit. Price Per Set (2).

.415/.390	276°/274°	222°/212°	453/228	N/A	N/A	36-022
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Race profile. Serious mid and upper end performance. Turbo use OK. A WEB CAM Winner! Requires Programmable Injection, and Performance Valve Spring Kit. Price Per Set (2).

Valve Spring Kit With Titanium Retainers VC-MIT  
 Kit includes performance dual springs, Titanium retainers, and bottoms. Can be used for TURBO application. Fits 1989 - 1994 2.0 liter large port, turbo and non 4G63 engines. OK up to .465" valve lift. Price Per Set (16).

Valves, Stainless Intake Standard Size IV-M00  
 Standard size 34 mm. Fits 1989 - 1994 2.0 liter large port, turbo and non turbo G63 engines. Price (Each).

Valves, Stainless Intake Oversized +1 mm IV-M01  
 Oversized to 35 mm. Fits 1989 - 1994 2.0 liter large port, turbo and non turbo 4G63 engines. Price (Each).

Valves, Stainless Exhaust Standard Size EV-M02  
 Standard size 30.50 mm. Fits 1989 - 1994 2.0 liter large port, turbo and non turbo 4G63 engines. Price (Each).

Valves, Stainless Exhaust Oversized +1 mm EV-M03  
 Oversized to 31.50 mm. Fits 1989 - 1994 2.0 liter large port, turbo and non turbo 4G63 engines. Price (Each).

Valve Guide, Shortened .085" Intake Standard Size VG-M04  
 Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Fits 1989 - 1994 2.0 liter large port, turbo and non turbo 4G63 engines. Price (Each).

Valve Guide, Shortened .185" Exhaust Standard Size VG-M05  
 Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Fits 1989 - 1994 2.0 liter large port, turbo and non turbo 4G63 engines. Price (Each).

Valve Seals High Temp VS-M06  
 High temperature valve stem seals. Must be used with part VG-M05. Fits 1989 - 1994 2.0 liter large port, turbo and non turbo 4G63 engines. Price Per Set (16).

## Nissan 200 SX CA 18 ET / 20 E / 20 S (81-89) SOHC 8v

.428/.428	260°/260°	Stage 1.	460	N/A	N/A	15-122
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.436/.436	255°/255°	Turbo profile.	40e	N/A	N/A	15-102
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## Nissan 240 SX KA 24 E (89-94) SOHC 12v

220°/225°	Stage 1.	507/244i	N/A	15-091	N/A
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234°/238°	Stage 2. Requires mechanical rockers.	486/529	N/A	15-081	N/A
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VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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### Nissan Nap Z (78-89) SOHC 8v

.440/.440	256°/256°	240°/240°	158i	N/A	N/A	15-062
Hot street to improve mid and upper end.						
.468/.468	292°/292°	270°/270°	214	N/A	N/A	15-072
Race profile designed to increase mid and upper end performance. Check ALL clearances!						
.480/.480	272°/272°	252°/252°	217	N/A	N/A	15-132
High lift, short duration profile to provide excellent torque and acceleration. Check ALL clearances!						
.490/.490	298°/298°	276°/276°	172	N/A	N/A	15-152
Race profile for top end. Check ALL clearances!						
.503/.503	280°/280°	260°/260°	88mc	N/A	N/A	15-142
Race profile designed to increase mid and upper end performance. Check ALL clearances!						

### Nissan Z 24 (78-89) SOHC 8v

.440/.440	256°/256°	240°/240°	158i	N/A	N/A	15-062
Hot street to improve mid and upper end.						
.468/.468	292°/292°	270°/270°	214	N/A	N/A	15-072
Race profile designed to increase mid and upper end performance. Check ALL clearances!						
.480/.480	272°/272°	252°/252°	217	N/A	N/A	15-132
High lift, short duration profile to provide excellent torque and acceleration. Check ALL clearances!						
.490/.490	298°/298°	276°/276°	172	N/A	N/A	15-152
Race profile for top end. Check ALL clearances!						
.503/.503	280°/280°	260°/260°	88mc	N/A	N/A	15-142
Race profile designed to increase mid and upper end performance. Check ALL clearances!						

### Porsche 356 8v

Mild performance profile to bolt into stock engines.			86	05-030	N/A	05-032
Lifters (Radius Finger Follower) Regrind						RL-153
Precision grind your early radius type lifters to factory specifications. Use with all reground cams. Price Per Set (8).						

Stock and Custom Grinds are available, call us for more details.

If ordering a new billet please inform us if you are using a Mushroom Tappet or a Radius Finger Follower.

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
Precision grind your cam to factory specifications. Price Per Set (2).			05-200	N/A	N/A	
934 Turbo (CIS) Price Per Set (2).			N/A	05-141	05-142	
935 Turbo Price Per Set (2).			N/A	05-351	05-352	
Group B Turbo Price Per Set (2).			N/A	05-271	05-272	
RSR Sprint. Price Per Set (2).			N/A	05-041	05-042	
906 Carrera Price Per Set (2).			N/A	05-051	05-052	
911s (67-73) Mechanical Injection Price Per Set (2).			N/A	05-061	05-062	
1966 Solex Carburetors. Price Per Set (2).			N/A	05-071	05-072	
911e Price Per Set (2).			N/A	05-081	05-082	
911SC / Carrera Price Per Set (2).			N/A	05-171	05-172	
Carrera 2 / 4, 964 (3.6L), and 1994 Turbo S Price Per Set (2).			N/A	05-301	05-302	
3.8 RSR Price Per Set (2).			N/A	05-161	05-162	
Schrack Race Profile Price Per Set (2).			N/A	05-211	05-212	
993 Super Sport (Mechanical Rocker). Price Per Set (2).			N/A	05-391	05-392	
911s (74-77) CIS Injection Price Per Set (2).			N/A	05-431	05-432	
993 RS Euro (Hydraulic Rocker). Price Per Set (2).			N/A	05-441	05-442	
GT2 Twin Turbo "EVO" (Mechanical Rocker). Price Per Set (2).			N/A	05-461	05-462	
.450/.400	250°/240°	232°/222°	158	N/A	05-241	05-242
Good overall performance for carbureted engines. Very broad power range in off-road racing engines. Price Per Set (2).						
.450/.450	270°/270°	250°/250°	104	N/A	05-331	05-332
Strong mid and upper end performance for large displacement turbo engines. Some loss of idle and low end performance. Price Per Set (2).						
.475/.440	280°/262°	256°/238°	464/465	N/A	05-401	05-402
Excellent profile for the 2.7 liter engines. Good torque and better acceleration. Designed for hot street and club racing. Carburetors or mechanical injection. Price Per Set (2).						
.476/.450	284°/270°	264°/248°	120/104	N/A	05-261	05-262
Strong mid and upper end performance for hot street and club racing. Carburetors or mechanical injection. Price Per Set (2).						
.484/.450	265°/250°	244°/232°	217/158i	N/A	05-381	05-382
Performance profile for the C2 / C4 engines. Fair idle. Broad power band for a built off road racing engine. Requires Programmable Injection. Price Per Set (2).						
.485/.452	258°/246°	238°/226°	20/21	N/A	05-281	05-282
Special performance profile for 911SC / Carrera / 964 engines. Works with stock injection. Price Per Set (2).						
.496/.450	294°/284°	274°/264°	171e/149i	N/A	05-311	05-312
Special racing profile for large displacement, racing engines. Price Per Set (2).						

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
.500/.465	294°/276°	274°/254°	594/595	N/A	05-481	05-482
Race profile for large displacement racing engines. Price Per Set (2).						
.520/.495	302°/294°	282°/268°	501/502	N/A	05-491	05-492
Race profile for large displacement racing engines. Price Per Set (2).						
Cam Core 3 Bearing	3 bearing cores. Please specify year and model when ordering. New cams are sold outright. No core required. Price Per Set (2).					CC-403
Cam Core 4 Bearing	4 bearing cores. Please specify year and model when ordering. New cams are sold outright. No core required. Price Per Set (2).					CC-413
Labor Install Pump Drive	We will install a pump drive onto your left cam to use with mechanical injection or Turbo application.					05-453
Rocker Arm Rebush	We will install new bushings into your rocker arms. New bushings are required when hardwelding. Price Per Set (12).					05-233
Rocker Arm Hardwelded	We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. No exchanges available, must use the originals. Also rebushing is necessary. Price (Each).					HR-PO1
Rocker Arm, Core	Please specify year and model when ordering. Price (Each).					RC-PO4
Valve Spring Kit With Titanium Retainers Turbo Racing	Kit includes performance dual springs, Titanium retainers, bottoms, and shims. For use in a Turbo racing application. OK up to .540" valve lift. Price Per Set (12).					VC-473
Valve Spring Kit With Titanium Retainers Racing	Kit includes performance dual springs, Titanium retainers, and bottoms. OK up to .540" valve lift. Price Per Set (12).					VC-483

**NOTE:** Severe lobe damage can be repaired by welding. Contact us for details. The part numbers listed above are factory profiles that we hardweld and grinds on your stock cams. Any 911 / 930 / 964 / 993 up to 1995 camshaft can be used. New camshafts only available with 4 bearings, bolt style. Please specify if you need a power steering drive (right cam), and / or scavenge drive (left cam), as well as 911, 930, 964, or 993. An additional charge will apply for a 993 new cam purchase. Early 3 bearing cams can only be purchased as a hardweld on your cores, or you can order them with an additional core charge. See part CC-403. Core charges are refundable up to 6 months from date of purchase. No core refund for new cam purchases. New factory (OEM) or hardwelded rockers (See part HR-PO1) are highly recommended when installing Web Cam Racing Cams.

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
<b>Porsche 912 8v</b>						
.393/.341	249°/249°	214°/214°	1187	05-570	N/A	05-572
Stock profile for a stock 1600 Super engine.						
.423/.358	273°/273°	234°/234°	86	05-580	N/A	05-582
Stock profile for Super 90 late model.						
.422/.358	281°/281°	242°/242°	86-5	05-010	N/A	05-012
Broad power range for hot street cars for 912 narrow lobe, and Porsche 356 engine.						
.432/.366	296°/296°	244°/244°	622	05-110	N/A	05-112
Stock profile for a wide lobe 912 engine.						
.435/.369	290°/290°	252°/252°	86a	05-020	N/A	05-022
Excellent mid and upper end performance for slalom, rally and high performance street cars.						
.500/.425	300°/300°	260°/260°	86b	N/A	N/A	05-222
Race profile designed to increase mid and upper end performance.						
Lifters	New OEM 912 lifters. Recommended to use when installing a new cam. Price Per Set (8).					NL-173
Lifters (Mushroom Follower) Regrind	We will precision grind your stock lifters to factory specifications. Use with all reground cams. Price Per Set (8).					RL-143

Stock and Custom Grinds are available, call us for more details.

## Porsche 912 E 8v

New mechanical cam, or yours, ground to factory specs.			Stock	00-140	N/A	00-142
New hydraulic cam, or yours, ground to factory specs.			Stock	00-370	N/A	00-372
.430/.430	255°/255°	225°/225°	107i	N/A	N/A	00-612
Hydraulic profile for good overall performance for engines with stock fuel-injection. Requires New Lifters 00-914.						
.430/.430	265°/265°	234°/234°	91	N/A	N/A	00-422
Hydraulic profile for high performance street engines. Requires Programmable Injection, and New Lifters 00-914.						
.426/.426	262°/262°	224°/224°	73	N/A	N/A	00-472
Good overall performance for engines with stock fuel-injection. Designed for mechanical lifters. See part #00-265.						
.423/.423	270°/270°	234°/234°	86	N/A	N/A	00-152
Good overall performance for carbureted mechanical street engines. RPM range 2500-5500. The perfect street cam! Requires New WEB CAM Lifters Part #00-265.						
.435/.435	290°/290°	252°/252°	86a	N/A	N/A	00-232
Strong mid and upper end performance for high performance street engines. WEB CAM mechanical lifters required. Requires Performance Valve Spring Kit, and New Lifters Part #00-265.						
.465/.465	280°/280°	244°/244°	494	N/A	N/A	00-682
Designed for increased torque with added RPM performance. WEB CAM mechanical lifters required. See part #00-265.						
.500/.500	276°/276°	240°/240°	119	N/A	N/A	00-672
For turbo applications. WEB CAM mechanical lifters required. See part #00-265.						
.505/.505	284°/284°	249°/249°	163	N/A	N/A	00-432
Designed for large displacement off-road racing engines. WEB CAM mechanical lifters required. See part #00-265.						
.500/.500	300°/300°	260°/260°	86b	N/A	N/A	00-362
Strong mid and upper end performance for small displacement racing engines. WEB CAM mechanical lifters required. See part #00-265.						

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
.505/.500	284°/300°	249°/260°	163/86b	N/A	N/A	00-642
Designed for large displacement racing engines. Works well in a off-road application. Great torque! WEB CAM mechanical lifters required. See part #00-265.						
.500/.507	300°/310°	260°/272°	86b/86c	N/A	N/A	00-662
Designed for large displacement racing engines. Works well in a off-road application. A WEB CAM winner! WEB CAM mechanical lifters required. See part #00-265. Price (Each).						
.507/.507	310°/310°	272°/272°	86c	N/A	N/A	00-242
Designed for large displacement racing engines. WEB CAM mechanical lifters required. See part #00-265.						
.546/.546	324°/324°	285°/285°	251	N/A	N/A	00-292
Strong upper end performance for large displacement engines. Designed for road/oval track racing. WEB CAM mechanical lifters required. See part #00-213. Machining Required. Requires Type 1 mushroom tappets.						
.572/.572	320°/320°	288°/288°	277	N/A	N/A	00-542
Designed for large displacement drag racing engines. Serious inquiries only. WEB CAM mechanical lifters required. See part #00-213. Machining Required. Requires Type 1 mushroom tappets.						
Cam Gear						00-273
New replacement gear is machined to bolt-on to your new WEB CAM.						
Cam Gear, Adjustable Magnum Steel (Straight Cut)						CG-002
Use with all WEB CAM profiles for precise engine tuning.						
Lifters New Mechanical High Performance Racing						00-265
Made from specially hardened iron alloy, then precision ground and finished to insure long life. Required with all new WEB CAM's. Price Per Set (8). Price Per Set (8).						
Lifters New Hydraulic						00-914
Precision ground, specially hardened iron lifter. Required with all new hydraulic grinds from WEB CAM. Price Per Set (8).						
Lifters Regrind						00-283
Precision grind your OEM mechanical lifters back to factory specifications. Use with all reground cams. Price Per Set (8).						
Valve Springs Only Single / .030 shims						VS-P01
Includes performance single valve springs, and 0.030" shims. OK up to 0.460" valve lift. Use stock retainers. Price Per Set (8).						
Valve Spring Kit With CrMo Retainers						VC-P01
Kit includes performance dual springs, chrome moly retainers, and 0.030" shims. OK up to 0.510" valve lift. Need to cut guide bosses. Price Per Set (8).						

The new cams listed are designed to work with special Web Cam high performance lifters, and are not compatible with stock or reground parts. Your warranty could be void, and your camshaft damaged if proper lifters are not installed. See part 00-263 or 00-914 depending on application. The cam gear bolts supplied should be torqued to 14ft lbs.



VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
Lifters New Hydraulic						00-914
Precision ground, specially hardened iron lifter. Required with all new hydraulic grinds from WEB CAM. Price Per Set (8).						
Lifters Regrind						00-283
Precision grind your OEM mechanical lifters back to factory specifications. Use with all reground cams. Price Per Set (8).						
Valve Springs Only Single / .030 shims						VS-P01
Includes performance single valve springs, and 0.030" shims. OK up to 0.460" valve lift. Use stock retainers. Price Per Set (8).						
Valve Spring Kit With CrMo Retainers						VC-P01
Kit includes performance dual springs, chrome moly retainers, and 0.030" shims. OK up to 0.510" valve lift. Need to cut guide bosses. Price Per Set (8).						

The new cams listed are designed to work with special Web Cam high performance lifters, and are not compatible with stock or reground parts. Your warranty could be void, and your camshaft damaged if proper lifters are not installed. See part 00-265, 00-914 or 00-213 depending on application. The cam gear bolts supplied should be torqued to 14 ft lbs.

## Porsche 924 SOHC 8v

Precision grind your cam to factory specifications.			Stock	05-090	N/A	N/A
.517/.517	257°/257°	233°/233°	144	N/A	05-101	05-102
Very broad power range for hot street engines with carburetors or stock fuel injection.						
.517/.517	267°/267°	243°/243°	144a	N/A	05-541	05-542
Good mid and upper end performance for street, rally, etc. Use with carburetors or modified injection.						
Cam Core						CC-433
Please specify year and model when ordering. New cams are sold outright. No core required. Price (Each).						

NOTE: Severe lobe damage can be repaired by welding. Please contact us directly for details.

## Porsche 928 DOHC 32v

Precision grind your cam to factory specifications. Price (Each).			Stock	05-360	N/A	N/A
Performance profiles available. Please call for more information. Price Per Set (4).				N/A	05-511	N/A
Valve Spring Kit With Titanium Retainers						VC-P20
Kit includes performance springs, titanium retainers, and bottom cups. Price Per Set (32).						

NOTE: Severe lobe damage can be repaired by welding. Please contact us directly for details.  
New OEM Followers recommended (NOT AFTER MARKET) when installing new cams.

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Porsche 928 SOHC 16v

	Precision grind your cam to factory specifications. Price (Each).		Stock	<b>05-190</b>	N/A	N/A
.398/.398	233°/233°	216°/216°	264	N/A	<b>05-591</b>	N/A
	Very broad power range for hot street engines. Price Per Set (2).					
.442/.442	240°/240°	222°/222°	279	N/A	<b>05-321</b>	N/A
	Improves mid and upper end performance. Price Per Set (2).					
.471/.432	250°/236°	232°/220°	537/538	N/A	<b>05-471</b>	N/A
	European profile. Price Per Set (2).					

New OEM Followers recommended (NOT AFTER MARKET) when installing new cams.

NOTE: Severe lobe damage can be repaired by welding. Please contact us directly for details. There are many different stock models. Listed are some performance specifications we have available for the 928 SOHC engines. We will inspect your stock camshafts to determine if the correct profile has been chosen. Please list year and model when you send the original cams.

## Porsche 930 SOHC 12v

	Precision grind your cam to factory specifications. Price Per Set (2).			<b>05-200</b>	N/A	N/A
	934 Turbo (CIS) Price Per Set (2).			N/A	<b>05-141</b>	<b>05-142</b>
	935 Turbo Price Per Set (2).			N/A	<b>05-351</b>	<b>05-352</b>
	Group B Turbo Price Per Set (2).			N/A	<b>05-271</b>	<b>05-272</b>
	RSR Sprint. Price Per Set (2).			N/A	<b>05-041</b>	<b>05-042</b>
	906 Carrera Price Per Set (2).			N/A	<b>05-051</b>	<b>05-052</b>
	911s (67-73) Mechanical Injection Price Per Set (2).			N/A	<b>05-061</b>	<b>05-062</b>
	1966 Solex Carburetors. Price Per Set (2).			N/A	<b>05-071</b>	<b>05-072</b>
	911e Price Per Set (2).			N/A	<b>05-081</b>	<b>05-082</b>
	911SC / Carrera Price Per Set (2).			N/A	<b>05-171</b>	<b>05-172</b>
	Carrera 2 / 4, 964 (3.6L), and 1994 Turbo S Price Per Set (2).			N/A	<b>05-301</b>	<b>05-302</b>
	3.8 RSR Price Per Set (2).			N/A	<b>05-161</b>	<b>05-162</b>
	Schrick Race Profile Price Per Set (2).			N/A	<b>05-211</b>	<b>05-212</b>
	993 Super Sport (Mechanical Rocker). Price Per Set (2).			N/A	<b>05-391</b>	<b>05-392</b>
	911s (74-77) CIS Injection Price Per Set (2).			N/A	<b>05-431</b>	<b>05-432</b>
	993 RS Euro (Hydraulic Rocker). Price Per Set (2).			N/A	<b>05-441</b>	<b>05-442</b>
	GT2 Twin Turbo "EVO" (Mechanical Rocker). Price Per Set (2).			N/A	<b>05-461</b>	<b>05-462</b>
.450/.400	250°/240°	232°/222°	158	N/A	<b>05-241</b>	<b>05-242</b>
	Good overall performance for carbureted engines. Very broad power range in off-road racing engines. Price Per Set (2).					

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
.450/.450	270°/270°	250°/250°	104	N/A	05-331	05-332
Strong mid and upper end performance for large displacement turbo engines. Some loss of idle and low end performance. Price Per Set (2).						
.475/.440	280°/262°	256°/238°	464/465	N/A	05-401	05-402
Excellent profile for the 2.7 liter engines. Good torque and better acceleration. Designed for hot street and club racing. Carburetors or mechanical injection. Price Per Set (2).						
.476/.450	284°/270°	264°/248°	120/104	N/A	05-261	05-262
Strong mid and upper end performance for hot street and club racing. Carburetors or mechanical injection. Price Per Set (2).						
.484/.450	265°/250°	244°/232°	217/158i	N/A	05-381	05-382
Performance profile for the C2 / C4 engines. Fair idle. Broad power band for a built off road racing engine. Requires Programmable Injection. Price Per Set (2).						
.485/.452	258°/246°	238°/226°	20/21	N/A	05-281	05-282
Special performance profile for 911SC / Carrera / 964 engines. Works with stock injection. Price Per Set (2).						
.496/.450	294°/284°	274°/264°	171e/149i	N/A	05-311	05-312
Special racing profile for large displacement, racing engines. Price Per Set (2).						
.500/.465	294°/276°	274°/254°	594/595	N/A	05-481	05-482
Race profile for large displacement racing engines. Price Per Set (2).						
.520/.495	302°/294°	282°/268°	501/502	N/A	05-491	05-492
Race profile for large displacement racing engines. Price Per Set (2).						
Cam Core 3 Bearing						CC-403
3 bearing cores. Please specify year and model when ordering. New cams are sold outright. No core required. Price Per Set (2).						
Cam Core 4 Bearing						CC-413
4 bearing cores. Please specify year and model when ordering. New cams are sold outright. No core required. Price Per Set (2).						
Labor Install Pump Drive						05-453
We will install a pump drive onto your left cam to use with mechanical injection or Turbo application.						
Rocker Arm Rebush						05-233
We will install new bushings into your rocker arms. New bushings are required when hardwelding. Price Per Set (12).						
Rocker Arm Hardwelded						HR-PO1
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. No exchanges available, must use the originals. Also rebushing is necessary. Price (Each).						
Rocker Arm, Core						RC-PO4
Please specify year and model when ordering. Price (Each).						
Valve Spring Kit With Titanium Retainers Turbo Racing						VC-473
Kit includes performance dual springs, Titanium retainers, bottoms, and shims. For use in a Turbo racing application. OK up to .540" valve lift. Price Per Set (12).						
Valve Spring Kit With Titanium Retainers Racing						VC-483
Kit includes performance dual springs, Titanium retainers, and bottoms. OK up to .540" valve lift. Price Per Set (12).						

**NOTE:** Severe lobe damage can be repaired by welding. Contact us for details. The part numbers listed above are factory profiles that we hardweld and grinds on your stock cams. Any 911 / 930 / 964 / 993 up to 1995 camshaft can be used. New camshafts only available with 4 bearings, bolt style. Please specify if you need a power steering drive (right cam), and / or scavenge drive (left cam), as well as 911, 930, 964, or 993. An additional charge will apply for a 993 new cam purchase. Early 3 bearing cams can only be purchased as a hardweld on your cores, or you can order them with an additional core charge. See part CC-403. Core charges are refundable up to 6 months from date of purchase. No core refund for new cam purchases. New factory (OEM) or hardwelded rockers (See part HR-PO1) are highly recommended when installing Web Cam Racing Cams.

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
Precision grind your cam to factory specifications.			Stock	<b>05-180</b>	N/A	<b>05-182</b>
.480/.480	254°/254°	234°/234°	274	N/A	<b>05-121</b>	<b>05-122</b>
Very broad power range for hot street engines. Can be used in a turbo application. Works with factory Fuel Injection.						
Cam Core Please specify year and model when ordering. New cam is sold outright. No core required. Price (Each).						<b>CC-443</b>
Valve Spring Kit With CrMo Retainers (Turbo) Performance dual valve springs, Chrome Moly retainers, and bottom cups. OK to .500" Valve Lift. Check ALL clearances! Price Per Set (8).						<b>VC-P09</b>
Valve Spring Kit With Titanium Retainers (Turbo) Performance dual valve springs, Titanium retainers, and bottom cups. OK to .500" Valve Lift. Price Per Set (8).						<b>VC-P11</b>
Valve Spring Kit With Titanium Retainers (Non Turbo) Performance dual valve springs, Titanium retainers, and bottom cups. OK to .500" Valve Lift. Price Per Set (8).						<b>VC-P12</b>

**NOTE: Severe lobe damage can be repaired by welding. Please contact us directly for details.**

## Porsche 944 S (87-91) DOHC 16v

Precision grind your cam to factory specifications. Price (Each).			Stock	<b>05-370</b>	N/A	N/A
.441/.398	244°/233°	227°/216°	278/264	N/A	<b>05-411</b>	N/A
Performance profile designed to increase overall performance. Designed for a stock or modified engine. Price Per Set (2).						
.480/.442	254°/240°	234°/222°	274/279	N/A	<b>05-421</b>	N/A
Designed to increase mid and upper end performance. May cause fair idle in fuel injected engines. Check ALL clearances! Price Per Set (2).						
Replacement Cam Pulley Flange New Replacement Cam Pulley Flange. Price (Each).						<b>05-902</b>
Install New Cam Gear Intake Web Cam will replace your broken teeth located on the intake cam if necessary. Price (Each).						<b>05-900</b>
Install New Cam Gear Exhaust Web Cam will replace your broken teeth located on the exhaust cam if necessary. Price (Each).						<b>05-901</b>

**NOTE: Severe lobe damage can be repaired by welding. Please contact us directly for details.  
New OEM Followers recommended (NOT AFTER MARKET) when installing new cams.**

## Porsche 964 SOHC 12v

Precision grind your cam to factory specifications. Price Per Set (2).			<b>05-200</b>	N/A	N/A
934 Turbo (CIS) Price Per Set (2).			N/A	<b>05-141</b>	<b>05-142</b>
935 Turbo Price Per Set (2).			N/A	<b>05-351</b>	<b>05-352</b>
Group B Turbo Price Per Set (2).			N/A	<b>05-271</b>	<b>05-272</b>
RSR Sprint. Price Per Set (2).			N/A	<b>05-041</b>	<b>05-042</b>
906 Carrera Price Per Set (2).			N/A	<b>05-051</b>	<b>05-052</b>

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
911s (67-73) Mechanical Injection	Price Per Set (2).			N/A	05-061	05-062
1966 Solex Carburetors.	Price Per Set (2).			N/A	05-071	05-072
911e	Price Per Set (2).			N/A	05-081	05-082
911SC / Carrera	Price Per Set (2).			N/A	05-171	05-172
Carrera 2 / 4, 964 (3.6L), and 1994 Turbo S	Price Per Set (2).			N/A	05-301	05-302
3.8 RSR	Price Per Set (2).			N/A	05-161	05-162
Schrack Race Profile	Price Per Set (2).			N/A	05-211	05-212
993 Super Sport (Mechanical Rocker).	Price Per Set (2).			N/A	05-391	05-392
911s (74-77) CIS Injection	Price Per Set (2).			N/A	05-431	05-432
993 RS Euro (Hydraulic Rocker).	Price Per Set (2).			N/A	05-441	05-442
GT2 Twin Turbo "EVO" (Mechanical Rocker).	Price Per Set (2).			N/A	05-461	05-462
.450/.400	250°/240°	232°/222°	158	N/A	05-241	05-242
Good overall performance for carbureted engines. Very broad power range in off-road racing engines. Price Per Set (2).						
.450/.450	270°/270°	250°/250°	104	N/A	05-331	05-332
Strong mid and upper end performance for large displacement turbo engines. Some loss of idle and low end performance. Price Per Set (2).						
.475/.440	280°/262°	256°/238°	464/465	N/A	05-401	05-402
Excellent profile for the 2.7 liter engines. Good torque and better acceleration. Designed for hot street and club racing. Carburetors or mechanical injection. Price Per Set (2).						
.476/.450	284°/270°	264°/248°	120/104	N/A	05-261	05-262
Strong mid and upper end performance for hot street and club racing. Carburetors or mechanical injection. Price Per Set (2).						
.484/.450	265°/250°	244°/232°	217/158i	N/A	05-381	05-382
Performance profile for the C2 / C4 engines. Fair idle. Broad power band for a built off road racing engine. Requires Programmable Injection. Price Per Set (2).						
.485/.452	258°/246°	238°/226°	20/21	N/A	05-281	05-282
Special performance profile for 911SC / Carrera / 964 engines. Works with stock injection. Price Per Set (2).						
.496/.450	294°/284°	274°/264°	171e/149i	N/A	05-311	05-312
Special racing profile for large displacement, racing engines. Price Per Set (2).						
.500/.465	294°/276°	274°/254°	594/595	N/A	05-481	05-482
Race profile for large displacement racing engines. Price Per Set (2).						
.520/.495	302°/294°	282°/268°	501/502	N/A	05-491	05-492
Race profile for large displacement racing engines. Price Per Set (2).						
Cam Core 3 Bearing						CC-403
3 bearing cores. Please specify year and model when ordering. New cams are sold outright. No core required. Price Per Set (2).						
Cam Core 4 Bearing						CC-413
4 bearing cores. Please specify year and model when ordering. New cams are sold outright. No core required. Price Per Set (2).						
Labor Install Pump Drive						05-453
We will install a pump drive onto your left cam to use with mechanical injection or Turbo application.						

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
Rocker Arm Rebush						05-233
We will install new bushings into your rocker arms. New bushings are required when hardwelding. Price Per Set (12).						
Rocker Arm Hardwelded						HR-PO1
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. No exchanges available, must use the originals. Also rebushing is necessary. Price (Each).						
Rocker Arm, Core						RC-PO4
Please specify year and model when ordering. Price (Each).						
Valve Spring Kit With Titanium Retainers Turbo Racing						VC-473
Kit includes performance dual springs, Titanium retainers, bottoms, and shims. For use in a Turbo racing application. OK up to .540" valve lift. Price Per Set (12).						
Valve Spring Kit With Titanium Retainers Racing						VC-483
Kit includes performance dual springs, Titanium retainers, and bottoms. OK up to .540" valve lift. Price Per Set (12).						

**NOTE:** Severe lobe damage can be repaired by welding. Contact us for details. The part numbers listed above are factory profiles that we hardweld and grinds on your stock cams. Any 911 / 930 / 964 / 993 up to 1995 camshaft can be used. New camshafts only available with 4 bearings, bolt style. Please specify if you need a power steering drive (right cam), and / or scavenge drive (left cam), as well as 911, 930, 964, or 993. An additional charge will apply for a 993 new cam purchase. Early 3 bearing cams can only be purchased as a hardweld on your cores, or you can order them with an additional core charge. See part CC-403. Core charges are refundable up to 6 months from date of purchase. No core refund for new cam purchases. New factory (OEM) or hardwelded rockers (See part HR-PO1) are highly recommended when installing Web Cam Racing Cams.

## Porsche 968 DOHC 16v

Precision grind your cam to factory specifications. Price (Each).			Stock	05-370	N/A	N/A
.441/.398	244°/233°	227°/216°	278/264	N/A	05-411	N/A
Performance profile designed to increase overall performance. Designed for a stock or modified engine. Price Per Set (2).						
.480/.442	254°/240°	234°/222°	274/279	N/A	05-421	N/A
Designed to increase mid and upper end performance. May cause fair idle in fuel injected engines. Check ALL clearances! Price Per Set (2).						
Valve Spring Kit With CrMo Retainers Beehive (Race), Turbo						VC-P10
Race kit includes performance Beehive performance valve springs, bottom cups, and Titanium retainers. OK to .500" valve lift. OK for turbo use. Check ALL clearances! Price Per Set (16).						
Replacement Cam Pulley Flange						05-902
New Replacement Cam Pulley Flange. Price (Each).						
Install New Cam Gear Intake						05-900
Web Cam will replace your broken teeth located on the intake cam if necessary. Price (Each).						
Install New Cam Gear Exhaust						05-901
Web Cam will replace your broken teeth located on the exhaust cam if necessary. Price (Each).						

**NOTE:** Severe lobe damage can be repaired by welding. Please contact us directly for details.

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Porsche 993 (93-95) SOHC 12v

Precision grind your cam to factory specifications. Price Per Set (2).				05-200	N/A	N/A
993 RS Euro (Hydraulic Rocker). Price Per Set (2).				N/A	05-561	05-562
993 Super Sport. Must use mechanical rocker. Price Per Set (2).				N/A	05-551	05-552
3.8 RSR profile. Must use mechanical rockers.				N/A	05-531	05-532
Machine Groove In Cam Shaft Main Machine groove in new cam shaft main. Price Per Set (2).						95-002
Valve Spring Kit With Titanium Retainers Kit includes performance dual springs, Titanium retainers, and bottom cups. OK to .500" valve lift. Must use early 911 bottom cups, not supplied in kit. Price Per Set (12).						VC-P21

**NOTE:** Severe lobe damage can be repaired by welding. Contact us for details. The part numbers listed above are factory profiles that we hardweld and grinds on your stock cams. Any 911 / 930 / 964 / 993 up to 1995 camshaft can be used. New camshafts only available with 4 bearings, bolt style with 49 mm journals. Please specify if you need a power steering drive (right cam), and / or scavenge drive (left cam). No core refund for new cam purchases. When ordering these cams additional cost applies to groove the journals on a new cam purchase. See part number 95-002.

## Subaru Impreza (97-99) DOHC 16v

.348/.366	230°/241°	204°/213°	517/222-607	N/A	25-011	N/A
Bolt in profile increases overall performance throughout RPM range. Price Per Set (4).						

## Subaru Impreza 2.5 (99-02) SOHC 16v

			115	N/A	25-031	N/A
Designed to increase mid and upper end performance. Price Per Set (2).						
.410/.355	228°/228°	208°/208°	148e	N/A	25-021	N/A
Bolt in profile increases overall performance throughout RPM range. Price Per Set (2).						

## Subaru WRX (99-02) DOHC 16v

.398/.398	233°/233°	216°/216°	264	N/A	25-001	25-002
Designed to increase mid and upper end performance. Not for STI engines. Requires Shim Under Followers, and Performance Valve Spring Kit. Price Per Set (4).						

Buckets, Shim Under Pro, Specially Coated WCC Oversized Custom sizes, shim under style bucket. Please specify size. Price (Each).						CF-V00
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## Toyota 18 RC SOHC 8v

.390/.390	246°/246°	230°/230°	Good all around profile for street engines.	95a	45-040	N/A	N/A
.439/.439	236°/236°	220°/220°	Improved low end and mid range performance.	113	45-030	N/A	N/A

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Toyota 20 / 22 R SOHC 8v

.455/.455	238°/238°	208°/208°	94	45-000	N/A	45-002
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Improved low end and mid range performance for stock engines.

.455/.455	248°/248°	218°/218°	94a	45-010	N/A	45-012
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Performance profile designed to increase overall performance. Works with factory injection or carburetors.

.475/.475	265°/265°	236°/236°	91	N/A	N/A	45-052
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Strong mid and upper end performance for hot street and off road engines. Requires Performance Valve Spring Kit.

.475/.475	274°/274°	250°/250°	89a	N/A	N/A	45-112
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Designed for off-road / circle track racing engines.

.500/.500	286°/286°	264°/264°	214	N/A	N/A	45-132
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Designed for off-road / circle track racing engines.

.515/.515	292°/292°	268°/268°	172	N/A	N/A	45-122
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Race profile designed to increase mid and upper end performance.

Valve Springs Only Single "Pro" **VS-T01**  
Performance single valve springs. Stock retainers OK. Price Per Set (8).

Valve Spring Kit With Titanium Retainers & Shims "Pro" **VC-T02**  
Kit includes performance dual springs, Titanium retainers, and hardened shims. For competition use. OK up to 0.500" valve lift and 8,000 RPM. Price Per Set (8).

Valve Keepers Hardened (16 pieces) **VK-T01**  
Hardened keepers fit all 8 mm valves. Price Per Set (8).

## Toyota 3 SGTE 4TH GEN (90-96) DOHC 16v

.322/.322	246°/246°	220°/220°	294	N/A	45-231	N/A
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Performance profile designed to increase overall performance. Price Per Set (2).

.381/.381	242°/242°	218°/218°	763	N/A	45-221	N/A
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High lift increases torque and overall performance. Requires Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).

Valve Spring Kit With Titanium Retainers **VC-T03**  
Kit includes performance dual springs and Titanium retainers. OK to .400" valve lift. Price Per Set (16).

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Toyota 4 AF (87-97) DOHC 16v

.322/.322	246°/246°	220°/220°	294	N/A	45-081	N/A
Performance profile designed to increase overall performance. Works with factory injection or carburetors. Price Per Set (2).						
.350/.350	250°/250°	229°/229°	101	N/A	45-091	N/A
Designed to increase mid and upper end performance. May cause fair idle on fuel injected engines. Price Per Set (2).						
.384/.384	276°/276°	240°/240°	119	N/A	45-021	N/A
Good overall performance for off-road racing. Requires High Compression Piston, Shim Under Followers, and Performance Valve Spring Kit. Price Per Set (2).						
.395/.395	284°/284°	256°/256°	110	N/A	45-071	N/A
Strong mid and upper end performance for off-road and pro-rally. Requires High Compression Piston, Shim Under Followers, and Performance Valve Spring Kit. Price Per Set (2).						
.398/.398	257°/257°	226°/226°	286	N/A	45-241	N/A
Designed for off-road and stadium racing. Requires High Compression Piston, Shim Under Followers, and Performance Valve Spring Kit. Price Per Set (2).						
Buckets, Shim Under Racing Shim-under style tappets. Price Per Set (16).						CF-093
Valve Spring Kit With Titanium Retainers With Guides & Seals Kit includes performance dual springs, Titanium retainers, valve guides, and seals. Price Per Set (16).						VC-083

NOTE: Hardwelded cams are done on your stock cores.

## Toyota 4 AG (87-97) DOHC 16v

.322/.322	246°/246°	220°/220°	294	N/A	45-081	45-082
Performance profile designed to increase overall performance. Works with factory injection or carburetors. Price Per Set (2).						
.330/.330	252°/252°	226°/226°	577	N/A	45-181	45-182
Designed to increase mid and upper end performance. Works with factory injection or carburetors. Price Per Set (2).						
.350/.350	250°/250°	229°/229°	101	N/A	45-091	45-092
Designed to increase mid and upper end performance. May cause fair idle on fuel injected engines. Price Per Set (2).						
.384/.384	276°/276°	240°/240°	119	N/A	45-021	45-022
Good overall performance for off-road racing. Requires High Compression Piston, Shim Under Followers, and Performance Valve Spring Kit. Price Per Set (2).						
.395/.395	284°/284°	256°/256°	110	N/A	45-071	45-072
Strong mid and upper end performance for off-road and pro-rally. Requires High Compression Piston, Shim Under Followers, and Performance Valve Spring Kit. Price Per Set (2).						
.398/.398	257°/257°	226°/226°	286	N/A	45-241	45-242
Designed for off-road and stadium racing. Requires High Compression Piston, Shim Under Followers, and Performance Valve Spring Kit. Price Per Set (2).						
.406/.406	307°/307°	230°/230°	28	N/A	45-331	45-332
Performance profile designed to increase mid and upper end. Works well for short course applications. Price Per Set (2).						
Buckets, Shim Under Racing Shim-under style tappets. Price Per Set (16).						CF-093
Valve Spring Kit With Titanium Retainers With Guides & Seals Kit includes performance dual springs, Titanium retainers, valve guides, and seals. Price Per Set (16).						VC-083

NOTE: Hardwelded cams are done on your stock cores.

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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### Toyota Camry 5 SFE (91-01) DOHC 16v

.318/.337	234°/240°	208°/216°	779/781	N/A	<b>45-291</b>	N/A
Performance profile designed to increase overall performance. Can be used with a turbo. Price Per Set (2).						
.322/.322	246°/246°	220°/220°	294	N/A	<b>45-251</b>	N/A
Bolt in profile increases mid and upper end. Price Per Set (2).						
.350/.350	240°/240°	216°/216°	763	N/A	<b>45-311</b>	N/A
Designed to increase mid and upper end performance. Requires Shim Under Followers, and Performance Valve Spring Kit. Price Per Set (2).						
.350/.350	250°/250°	229°/229°	101	N/A	<b>45-191</b>	N/A
Designed to increase mid and upper end performance. Requires Shim Under Followers, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.354/.354	234°/234°	208°/208°	37e	N/A	<b>45-321</b>	N/A
High lift, short duration for racing engines. Can be used for a turbo application. Requires Shim Under Followers, and Performance Valve Spring Kit. Price Per Set (2).						

### Toyota Celica 5 SFE (91-99) DOHC 16v

.318/.337	234°/240°	208°/216°	779/781	N/A	<b>45-291</b>	N/A
Performance profile designed to increase overall performance. Can be used with a turbo. Price Per Set (2).						
.322/.322	246°/246°	220°/220°	294	N/A	<b>45-251</b>	N/A
Bolt in profile increases mid and upper end. Price Per Set (2).						
.350/.350	240°/240°	216°/216°	763	N/A	<b>45-311</b>	N/A
Designed to increase mid and upper end performance. Requires Shim Under Followers, and Performance Valve Spring Kit. Price Per Set (2).						
.350/.350	250°/250°	229°/229°	101	N/A	<b>45-191</b>	N/A
Designed to increase mid and upper end performance. Requires Shim Under Followers, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.354/.354	234°/234°	208°/208°	37e	N/A	<b>45-321</b>	N/A
High lift, short duration for racing engines. Can be used for a turbo application. Requires Shim Under Followers, and Performance Valve Spring Kit. Price Per Set (2).						

### Toyota MR 2 5 SFE (90-92) DOHC 16v

.318/.337	234°/240°	208°/216°	779/781	N/A	<b>45-291</b>	N/A
Performance profile designed to increase overall performance. Can be used with a turbo. Price Per Set (2).						
.322/.322	246°/246°	220°/220°	294	N/A	<b>45-251</b>	N/A
Bolt in profile increases mid and upper end. Price Per Set (2).						
.350/.350	240°/240°	216°/216°	763	N/A	<b>45-311</b>	N/A
Designed to increase mid and upper end performance. Requires Shim Under Followers, and Performance Valve Spring Kit. Price Per Set (2).						
.350/.350	250°/250°	229°/229°	101	N/A	<b>45-191</b>	N/A
Designed to increase mid and upper end performance. Requires Shim Under Followers, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.354/.354	234°/234°	208°/208°	37e	N/A	<b>45-321</b>	N/A
High lift, short duration for racing engines. Can be used for a turbo application. Requires Shim Under Followers, and Performance Valve Spring Kit. Price Per Set (2).						

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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### Toyota Supra 7 MGE (87-92) DOHC 24v

.321/.321	230°/230°	209°/209°	261e	N/A	45-211	N/A
Excellent throttle response. Turbo use OK. Price Per Set (2).						
.322/.322	246°/246°	220°/220°	294	N/A	45-201	N/A
Bolt in profile increases overall performance throughout RPM range. Price Per Set (2).						

### Toyota Supra 7 MGT (87-92) DOHC 24v

.321/.321	230°/230°	209°/209°	261e	N/A	45-211	N/A
Excellent throttle response. Turbo use OK. Price Per Set (2).						
.322/.322	246°/246°	220°/220°	294	N/A	45-201	N/A
Bolt in profile increases overall performance throughout RPM range. Price Per Set (2).						

### Toyota Tacoma 2 RZFE DOHC 16v

.343/.318	240°/234°	210°/208°	Stage 1. Price Per Set (2).	580/779	N/A	N/A	45-272
.350/.343	245°/240°	216°/210°	Stage 2. Price Per Set (2).	763/580	N/A	N/A	45-262

Camshaft, Blank

Toyota Tacoma Steel Billet 8620 Blanks. Highly recommended for serious racing applications. Custom grinding available, additional cost will apply. Please inquire to the factory directly. Price Per Set (2).

CC-T00

NOTE: Race cams are available in chilled cast or steel for this model. Please call us directly for details.

### Toyota Tacoma 3 RZFE DOHC 16v

.343/.318	240°/234°	210°/208°	Stage 1. Price Per Set (2).	580/779	N/A	N/A	45-272
.350/.343	245°/240°	216°/210°	Stage 2. Price Per Set (2).	763/580	N/A	N/A	45-262

Camshaft, Blank

Toyota Tacoma Steel Billet 8620 Blanks. Highly recommended for serious racing applications. Custom grinding available, additional cost will apply. Please inquire to the factory directly. Price Per Set (2).

CC-T00

NOTE: Custom race profiles are also available in steel for this model. Please call us directly for further details. The steel cams require an additional charge of \$1200.00 per set for the cam blanks plus cost to grind the lobes to a custom grind.

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Triumph TR 4 8v

			Stock	<b>43-050</b>	N/A	N/A
Precision grind your cam to factory specifications.						
.398/.398	248°/248°	214°/214°	84	<b>43-060</b>	N/A	N/A
Good all around cam with broad power range for stock engines.						
.420/.420	260°/230°	232°/232°	7	<b>43-070</b>	N/A	N/A
Improved mid and upper end performance for hot street engines.						
.435/.435	290°/290°	252°/252°	1	<b>43-080</b>	N/A	N/A
Strong mid and upper end performance for racing engines.						

### Lifters Regrind

We will precision grind your stock lifters to factory specifications. Use with all reground cams. Price Per Set (8).

**RL-063**

**NOTE: Severe lobe damage can be repaired by welding. Please contact us directly for details.**

## Triumph TR 6 (1973) 12v

			Stock	<b>43-030</b>	N/A	N/A
Precision grind your cam to factory specifications.						
.398/.398	248°/248°	214°/214°	84	<b>43-000</b>	N/A	N/A
Good all around cam with broad power range for stock engines.						
.420/.420	260°/260°	232°/232°	7	<b>43-010</b>	N/A	N/A
Improved mid and upper end performance for hot street engines.						
.435/.435	290°/290°	252°/252°	1	<b>43-020</b>	N/A	N/A
Strong mid and upper end performance for racing engines.						

### Lifters Regrind

We will precision grind your stock lifters to factory specifications. Use with all reground cams. Price Per Set (12).

**RL-064**

**NOTE: Severe lobe damage can be repaired by welding. Please contact us directly for details. Precision grind your lifters to OEM specifications. Use with all reground cams. Fits TR6. Price Per Set (12).**

## Volkswagen 36 HP 8v

			105	<b>00-010</b>	N/A	N/A
Precision grind your cam to factory specifications.						
Lifters (Radius Finger Follower) Regrind						
We will precision grind your stock lifters to factory specifications. Use with all reground cams. Price Per Set (8).						

**RL-036**

## Volkswagen Golf SOHC 8v

			Stock	<b>00-200</b>	N/A	<b>00-202</b>
New cam, or grind yours to factory specifications.						
.442/.442	240°/240°	222°/222°	279	N/A	N/A	<b>00-162</b>
Hydraulic profile offers improved overall power for late model fuel injected cars. Stock base circle.						
.441/.441	244°/244°	227°/227°	278	N/A	N/A	<b>00-492</b>
Hydraulic profile offers improved upper end power over grind 279. Fair idle. Stock base circle.						

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
.432/.432	252°/252°	234°/234°	268	N/A	N/A	00-702
Hydraulic profile offers improved upper end performance. Stock base circle.						
.428/.428	244°/244°	226°/226°	269	N/A	N/A	00-652
Bolt in profile for mechanical engines. Specify for fuel injection or carbureted.						
.430/.430	272°/272°	238°/238°	111	N/A	N/A	00-172
Broad power range for high performance street engines. For fuel-injected engines. Fits mechanical engines.						
.430/.430	272°/272°	238°/238°	111	N/A	N/A	00-132
Broad power range for high performance street engines. For carbureted engines. Fits mechanical engines.						
.435/.435	288°/288°	260°/260°	125	N/A	N/A	00-322
Strong mid and upper end performance for hot street. Use with carburetors. Stock base circle.						
.450/.450	280°/280°	247°/247°	253	N/A	N/A	00-732
Very broad power range for hot street and off-road engines. Cam has a reduced base circle 1.340".						
.450/.450	280°/280°	247°/247°	253	N/A	N/A	00-412
Very broad power range for hot street and off-road engines. Cam has a stock base circle 1.500".						
.460/.460	290°/290°	262°/262°	122	N/A	N/A	00-332
Consistent winner for 1600cc desert racers. Cam has a reduced base circle 1.340".						
.477/.477	283°/283°	256°/256°	221	N/A	N/A	00-402
High lift short duration cam produces good overall power. Cam has a reduced base circle 1.340". Requires Shim Under Followers.						
.480/.480	288°/288°	261°/261°	211	N/A	N/A	00-342
Designed for 1600cc off-road racers. Very broad power range. Cam has a reduced base circle 1.340". Requires Shim Under Followers.						
.480/.480	292°/292°	266°/266°	136	N/A	N/A	00-272
Strong mid and upper end performance for racing engines. Cam has a reduced base circle 1.340". Requires Shim Under Followers.						
.500/.500	300°/300°	275°/275°	206	N/A	N/A	00-352
Very strong upper and mid range power for carbureted racing engines. Cam has a reduced base circle 1.340". Requires Shim Under Followers.						
.500/.500	301°/301°	281°/281°	230	N/A	N/A	00-022
Strong upper end performance for carbureted engines. Cam has a reduced base circle 1.340". Requires Larger Diameter Followers, and Shim Under Followers.						
.550/.550	317°/317°	283°/283°	198	N/A	N/A	00-282
Tremendous top end performance. Cam has a reduced base circle 1.340". Requires Larger Diameter Followers, and Shim Under Followers.						
.598/.598	318°/318°	286°/286°	471	N/A	N/A	00-582
Special racing cam. Cam has a reduced base circle 1.240". Requires Larger Diameter Followers, and Shim Under Followers.						
Buckets, Shim Under Pro, Specially Coated WCC Oversized Custom sizes, shim under style bucket. Please specify size. Price (Each).						CF-V00
Valve Springs Only Racing Performance dual valve springs. Does not fit cross flow head. OK to 0.500" valve lift. Price Per Set (8).						VS-R16

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Volkswagen Golf (80-95) DOHC 16v

.398/.428    233°/244°    216°/226°    264/269    N/A    00-521    N/A  
 Good mid and upper end performance. Fair idle. Price Per Set (2).

.441/.441    244°/244°    227°/227°    278    N/A    00-531    N/A  
 Strong mid and upper end performance for hot street. Some loss of idle quality and low end performance. Requires Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).

Valve Springs Only Racing VS-R17  
 Performance dual valve springs. OK to 0.500" valve lift. Price Per Set (16).

NOTE: Custom grinding is available. Please call us directly for more details.

## Volkswagen GTI SOHC 8v

	New cam, or grind yours to factory specifications.		Stock	00-200	N/A	00-202
.442/.442	240°/240°    222°/222°		279	N/A	N/A	00-162
	Hydraulic profile offers improved overall power for late model fuel injected cars. Stock base circle.					
.441/.441	244°/244°    227°/227°		278	N/A	N/A	00-492
	Hydraulic profile offers improved upper end power over grind 279. Fair idle. Stock base circle.					
.432/.432	252°/252°    234°/234°		268	N/A	N/A	00-702
	Hydraulic profile offers improved upper end performance. Stock base circle.					
.428/.428	244°/244°    226°/226°		269	N/A	N/A	00-652
	Bolt in profile for mechanical engines. Specify for fuel injection or carbureted.					
.430/.430	272°/272°    238°/238°		111	N/A	N/A	00-172
	Broad power range for high performance street engines. For fuel-injected engines. Fits mechanical engines.					
.430/.430	272°/272°    238°/238°		111	N/A	N/A	00-132
	Broad power range for high performance street engines. For carbureted engines. Fits mechanical engines.					
.435/.435	288°/288°    260°/260°		125	N/A	N/A	00-322
	Strong mid and upper end performance for hot street. Use with carburetors. Stock base circle.					
.450/.450	280°/280°    247°/247°		253	N/A	N/A	00-732
	Very broad power range for hot street and off-road engines. Cam has a reduced base circle 1.340".					
.450/.450	280°/280°    247°/247°		253	N/A	N/A	00-412
	Very broad power range for hot street and off-road engines. Cam has a stock base circle 1.500".					
.460/.460	290°/290°    262°/262°		122	N/A	N/A	00-332
	Consistent winner for 1600cc desert racers. Cam has a reduced base circle 1.340".					
.477/.477	283°/283°    256°/256°		221	N/A	N/A	00-402
	High lift short duration cam produces good overall power. Cam has a reduced base circle 1.340". Requires Shim Under Followers.					
.480/.480	288°/288°    261°/261°		211	N/A	N/A	00-342
	Designed for 1600cc off-road racers. Very broad power range. Cam has a reduced base circle 1.340". Requires Shim Under Followers.					
.480/.480	292°/292°    266°/266°		136	N/A	N/A	00-272
	Strong mid and upper end performance for racing engines. Cam has a reduced base circle 1.340". Requires Shim Under Followers.					
.500/.500	300°/300°    275°/275°		206	N/A	N/A	00-352
	Very strong upper and mid range power for carbureted racing engines. Cam has a reduced base circle 1.340". Requires Shim Under Followers.					

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
.500/.500	301°/301°	281°/281°	230	N/A	N/A	00-022
Strong upper end performance for carbureted engines. Cam has a reduced base circle 1.340". Requires Larger Diameter Followers, and Shim Under Followers.						
.550/.550	317°/317°	283°/283°	198	N/A	N/A	00-282
Tremendous top end performance. Cam has a reduced base circle 1.340". Requires Larger Diameter Followers, and Shim Under Followers.						
.598/.598	318°/318°	286°/286°	471	N/A	N/A	00-582
Special racing cam. Cam has a reduced base circle 1.240". Requires Larger Diameter Followers, and Shim Under Followers.						
Buckets, Shim Under Pro, Specially Coated WCC Oversized Custom sizes, shim under style bucket. Please specify size. Price (Each).						CF-V00
Valve Springs Only Racing Performance dual valve springs. Does not fit cross flow head. OK to 0.500" valve lift. Price Per Set (8).						VS-R16

## Volkswagen GTI (80-95) DOHC 16v

.398/.428	233°/244°	216°/226°	264/269	N/A	00-521	N/A
Good mid and upper end performance. Fair idle. Price Per Set (2).						
.441/.441	244°/244°	227°/227°	278	N/A	00-531	N/A
Strong mid and upper end performance for hot street. Some loss of idle quality and low end performance. Requires Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
Valve Springs Only Racing Performance dual valve springs. OK to 0.500" valve lift. Price Per Set (16).						VS-R17

NOTE: Custom grinding is available. Please call us directly for more details.

## Volkswagen Rabbit SOHC 8v

New cam, or grind yours to factory specifications.			Stock	00-200	N/A	00-202
.442/.442	240°/240°	222°/222°	279	N/A	N/A	00-162
Hydraulic profile offers improved overall power for late model fuel injected cars. Stock base circle.						
.441/.441	244°/244°	227°/227°	278	N/A	N/A	00-492
Hydraulic profile offers improved upper end power over grind 279. Fair idle. Stock base circle.						
.432/.432	252°/252°	234°/234°	268	N/A	N/A	00-702
Hydraulic profile offers improved upper end performance. Stock base circle.						
.428/.428	244°/244°	226°/226°	269	N/A	N/A	00-652
Bolt in profile for mechanical engines. Specify for fuel injection or carbureted.						
.430/.430	272°/272°	238°/238°	111	N/A	N/A	00-172
Broad power range for high performance street engines. For fuel-injected engines. Fits mechanical engines.						
.430/.430	272°/272°	238°/238°	111	N/A	N/A	00-132
Broad power range for high performance street engines. For carbureted engines. Fits mechanical engines.						
.435/.435	288°/288°	260°/260°	125	N/A	N/A	00-322
Strong mid and upper end performance for hot street. Use with carburetors. Stock base circle.						
.450/.450	280°/280°	247°/247°	253	N/A	N/A	00-732
Very broad power range for hot street and off-road engines. Cam has a reduced base circle 1.340".						

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
.450/.450	280°/280°	247°/247°	253	N/A	N/A	<b>00-412</b>
Very broad power range for hot street and off-road engines. Cam has a stock base circle 1.500".						
.460/.460	290°/290°	262°/262°	122	N/A	N/A	<b>00-332</b>
Consistent winner for 1600cc desert racers. Cam has a reduced base circle 1.340".						
.477/.477	283°/283°	256°/256°	221	N/A	N/A	<b>00-402</b>
High lift short duration cam produces good overall power. Cam has a reduced base circle 1.340". Requires Shim Under Followers.						
.480/.480	288°/288°	261°/261°	211	N/A	N/A	<b>00-342</b>
Designed for 1600cc off-road racers. Very broad power range. Cam has a reduced base circle 1.340". Requires Shim Under Followers.						
.480/.480	292°/292°	266°/266°	136	N/A	N/A	<b>00-272</b>
Strong mid and upper end performance for racing engines. Cam has a reduced base circle 1.340". Requires Shim Under Followers.						
.500/.500	300°/300°	275°/275°	206	N/A	N/A	<b>00-352</b>
Very strong upper and mid range power for carbureted racing engines. Cam has a reduced base circle 1.340". Requires Shim Under Followers.						
.500/.500	301°/301°	281°/281°	230	N/A	N/A	<b>00-022</b>
Strong upper end performance for carbureted engines. Cam has a reduced base circle 1.340". Requires Larger Diameter Followers, and Shim Under Followers.						
.550/.550	317°/317°	283°/283°	198	N/A	N/A	<b>00-282</b>
Tremendous top end performance. Cam has a reduced base circle 1.340". Requires Larger Diameter Followers, and Shim Under Followers.						
.598/.598	318°/318°	286°/286°	471	N/A	N/A	<b>00-582</b>
Special racing cam. Cam has a reduced base circle 1.240". Requires Larger Diameter Followers, and Shim Under Followers.						
Cam Gear, Adjustable	Use with all WEB CAM profiles for precise engine tuning.					<b>FC464</b>
Cam Gear, Adjustable	Use with all WEB CAM profiles for precise engine tuning. New CNC adjustable cam gear for SOHC engines.					<b>CG-681</b>
Buckets, Shim Under Pro, Specially Coated WCC Oversized	Custom sizes, shim under style bucket. Please specify size. Price (Each).					<b>CF-V00</b>
Valve Springs Only Racing	Performance dual valve springs. Does not fit cross flow head. OK to 0.500" valve lift. Price Per Set (8).					<b>VS-R16</b>

## Volkswagen Rabbit (80-95) DOHC 16v

.398/.428	233°/244°	216°/226°	264/269	N/A	<b>00-521</b>	N/A
Good mid and upper end performance. Fair idle. Price Per Set (2).						
.441/.441	244°/244°	227°/227°	278	N/A	<b>00-531</b>	N/A
Strong mid and upper end performance for hot street. Some loss of idle quality and low end performance. Requires Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
Valve Springs Only Racing	Performance dual valve springs. OK to 0.500" valve lift. Price Per Set (16).					<b>VS-R17</b>

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
.334/.314 Spec Cam for the FVEE applications.	250°/250°	214°/214°	five	00-740	N/A	00-742
.465/.427 Designed for 1-2 1600 off road cars for mid and top end.	286°/284°	260°/249°	109/163	N/A	00-751	00-752
.478/.478 Designed for off-road racing engines.	288°/288°	260°/260°	125	N/A	00-761	00-762
.334/.314 Precision grind your cam to factory specifications.	250°/250°	214°/214°	Stock	00-000	00-001	00-002
.358/.358 Good all around power for street or off-road. Can be used with higher lift rockers.	270°/270°	234°/234°	86	00-030	00-031	00-032
.476/.476 Designed for tremendous torque for small displacement engines.	272°/272°	238°/238°	111	N/A	00-601	00-602
.422/.422 Broad power range for small displacement street, off-road or turbo engines.	276°/276°	240°/240°	119	00-040	00-041	00-042
.460/.460 Good overall performance for turbo engines. Street or sand. Good torque for baja bugs and Class 9 SCORE. Can be used with 1.25 rockers.	280°/280°	242°/242°	218	N/A	00-381	00-382
.402/.402 Good mid and upper end performance for small displacement street engines.	286°/286°	245°/245°	118	00-050	00-051	00-052
.427/.427 Strong power range for hot street engines.	284°/284°	249°/249°	163	00-210	00-211	00-212
.435/.435 Strong mid and upper end performance for hot street and off-road engines.	284°/284°	256°/256°	110	00-060	00-061	00-062
.460/.422 Designed for 1/2 1600 class off-road racers with restrictor plates. Excellent torque! A WEB CAM Winner!	280°/276°	242°/240°	218/119	N/A	00-561	00-562
.435/.422 Designed for 1-1600 class off-road racers with restrictor plates.	284°/276°	256°/240°	110/119	N/A	00-121	00-122
.435/.427 Designed for 1/2 1600 class off-road racers with restrictor plates.	284°/284°	256°/249°	110/163	N/A	00-711	00-712
.465/.422 Designed for 1/2 1600 class off-road racers with restrictor plates. Added RPM power!	286°/276°	260°/240°	109/119	N/A	00-441	00-442
.465/.465 Designed for hot street and off-road engines.	286°/286°	260°/260°	109	N/A	00-071	00-072
.506/.478 Broad power for large displacement engines. The "ultimate" choice for the dunes.	290°/288°	262°/260°	122/125	N/A	00-311	00-312
.490/.490 Excellent cam for large displacement street and off-road racing engines.	298°/298°	271°/271°	121	N/A	00-091	00-092
.490/.478 Designed for off-road racing engines.	298°/288°	271°/260°	121/125	N/A	00-571	00-572
.492/.492 Strong mid and upper end performance for large displacement hot street engines.	312°/312°	273°/273°	165	N/A	00-221	00-222
.502/.502 Great for hot street and off-road engines. Works best with high lift rockers (1.4 or 1.5).	290°/290°	252°/252°	86a	00-080	00-081	00-082

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
.575/.575	300°/300°	260°/260°	86b	N/A	00-101	00-102
Good mid and upper end performance for hot street / strip. For use in large engines. Works best with high lift rockers (1.4 or 1.5).						
.585/.585	310°/310°	272°/272°	86c	N/A	00-111	00-112
Designed for drag strip and track cars. Excellent top end performance. Works best with high lift rockers (1.4 or 1.5).						
.610/.610	304°/304°	278°/278°	226	N/A	00-301	00-302
Strong mid and upper end performance for drag cars. Works best with high lift rockers (1.4 or 1.5).						
.630/.630	324°/324°	285°/285°	251	N/A	00-391	00-392
Designed for large displacement, carbureted dragsters and Pro sedans. Works best with high lift rockers (1.4 or 1.5). A WEB CAM winner!						
.660/.660	320°/320°	288°/288°	277	N/A	00-191	00-192
Designed for large displacement, carbureted dragsters and Pro sedans. Works best with high lift rockers (1.4 or 1.5). The "ultimate" choice for serious racers.						
.656/.656	328°/328°	295°/295°	197	N/A	00-551	00-552
Designed for large displacement, carbureted dragsters and Pro sedans. Works best with high lift rockers (1.4 or 1.5).						
Labor Clearance Cam For Big Stroke Precision ground / clearance for strokers.						CS-563
Cam Gear New aluminum bolt-on gear, non adjustable.						00-463
Cam Gear, Adjustable Straight Cut EMPI Steel Steel cam and crank gear set with straight cut teeth creates less drag for increased horsepower. The design reduces thrust load on the cam bearings preventing premature failure. Cam timing is adjustable with the special off-set washers. Manufactured from 8620 Carbon Steel for superior strength along with lightweight cam gear design makes this the ultimate cam gear set to use. Kit includes 5/16" - 24 SAE Grade 8 bolts and washers for easy installation. Fits all 1200-1600 Type 1/2/3.						00-493
Cam Gear, Adjustable Straight Cut MAGNUM Steel New light weight MAGNUM steel gears, straight cut. Cam gear and crank gear included.						00-483
Lifters New High Performance Racing Made from a specially hardened iron alloy, then precision ground to exacting radius and finished to insure long life. Use with all new cams. Price Per Set (8).						00-213
Lifters Regrind OEM Precision grind your lifters to factory specifications. Use with all reground cams. Price Per Set (8).						00-203
Valve Springs Only "Single" Performance single valve springs. OK up to 0.470" valve lift. Install at 1.500", 115 lbs. Price Per Set (8).						00-223
Valve Springs Only Dual Racing Dual performance valve springs. OK up to 0.520" valve lift. Install at 1.500", 145 lbs. Price Per Set (8).						00-233



VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
Lifters New Hydraulic						00-914
Precision ground, specially hardened iron lifter. Required with all new hydraulic grinds from WEB CAM. Price Per Set (8).						
Lifters Regrind						00-283
Precision grind your OEM mechanical lifters back to factory specifications. Use with all reground cams. Price Per Set (8).						
Valve Springs Only Single / .030 shims						VS-P01
Includes performance single valve springs, and 0.030" shims. OK up to 0.460" valve lift. Use stock retainers. Price Per Set (8).						
Valve Spring Kit With CrMo Retainers						VC-P01
Kit includes performance dual springs, chrome moly retainers, and 0.030" shims. OK up to 0.510" valve lift. Need to cut guide bosses. Price Per Set (8).						

The new cams listed are designed to work with special Web Cam high performance lifters, and are not compatible with stock or reground parts. Your warranty could be void, and your camshaft damaged if proper lifters are not installed. See part 00-263 or 00-914 depending on application. The cam gear bolts supplied should be torqued to 14ft lbs.

## Volkswagen VR 6 DOHC 12v

.428/.428	244°/244°	226°/226°	269	N/A	00-501	N/A
Offers improved mid and upper end performance. Fair idle. Hardwelds are done on customers stock cams. Price Per Set (2).						
.432/.432	252°/252°	234°/234°	268	N/A	00-511	N/A
Strong mid and upper end performance with some loss of idle quality and low end performance. Hardwelds are done on customers stock cams. Check ALL clearances! Price Per Set (2).						
Valve Springs Only Racing						VS-R18
Performance dual valve springs includes 24 shims. OK to 0.500" valve lift. Price Per Set (12).						

NOTE: Custom grinding is available. Please call us directly for more details.

## Volkswagen Water Boxer 8v

Precision grind your cam to factory specifications.	Stock	00-480	N/A	N/A
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## Ace Motorcycle (20-27) 8v

We will restore your original OEM cam back to factory specifications.	1165/1166	N/A	12-001	N/A
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## BMW R 12 (35-42) Flathead 4v

We will restore your original OEM cam back to factory specifications. Additional fees may apply if hard welding is needed.	1129	01-090	N/A	N/A
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## BMW R 17 4v

Mild performance profile to bolt into stock engines.	1161	N/A	01-111	N/A
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VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## BMW R 51 (1951) Flat Twin

1278 N/A 01-121 N/A

We have re-mastered the original profile to restore your cam back to new. Journal work is additional if needed. Price Per Set (2).

## BMW R 62 (1929)

1279 N/A 01-131 N/A

We have re-mastered the original profile to restore your cam back to new. Journal work is additional if needed.

## BMW R 71 (1938) 4v

.251/.251 256°/256° 215°/215° 1208 01-080 N/A N/A

We will restore your original OEM cam back to factory specifications. Additional fees may apply if hard welding is needed.

**\*\*Note: Lift is at the cam, not at the valve\*\***

## BMW S 1000 RR (10-11) DOHC 16v

.369/.327 258°/234° 1136+3°(6°)/1150+3°(6°) N/A N/A 22-002

New steel billet cams designed to increase mid and upper end. AMA Superbike legal. Requires Performance Valve Spring Kit. Price Per Set (2).

Valve Spring Kit With Titanium Retainers **VC-B05**

Kit includes performance single Beehive Springs and Titanium retainers. The ultimate kit for extreme racing conditions. Check retainer to guide seal clearance, minimum .030. Price Per Set (16).

Custom grinding is available please call us directly for more details.

## BSA 500 Single SOHC 2v

.430/.430 310°/310° 272°/272° 86c N/A 50-001 N/A

Offers increased mid and upper end performance. Check ALL clearances!

.460/.460 324°/324° 285°/285° 251 N/A 50-011 N/A

Tremendous mid and upper end performance for racing engines. Requires High Compression Piston, and Performance Valve Spring Kit.

Valve Spring Kit With Titanium Retainers **VC-B01**

Kit includes performance dual springs and Titanium retainers. OK to .500" valve lift. Please specify year and model when ordering. Price Per Set (2).

## BSA 650 Twin 4v

.392/.392 322°/322° 294°/294° 18a N/A 50-021 N/A

Good overall performance for street.

.410/.410 316°/316° 298°/298° 30 N/A 50-041 N/A

Tremendous mid and upper end performance for racing engines. Requires Performance Valve Spring Kit.

Valve Spring Kit With Titanium Retainers **VC-B02**

Kit includes performance dual springs and Titanium retainers. OK to .450" valve lift. Price Per Set (4).

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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### Douglas 500 (1928) Twin 8v

Performance profile designed to increase overall power. 1222/1223 N/A 19-001 N/A

If the cam journal is worn, we can hard chrome and grind it for an additional cost.

### Ducati 175 (S CAM PROFILE) (1961) SOHC 2v

Restore your worn out camshaft back to original specifications. Additional fees may apply if welding is needed. 1211/1212 02-000 N/A N/A

Rocker Arm Hard Chrome HR-000  
Hardchrome your worn out rockers to better than new. Price (Each).

### Gas Gas 450 (03-04) DOHC 4v

.384/.400 272°/280° 248°/256° 540/539 N/A 65-001 N/A  
Performance profile for racing engines. Price Per Set (2).

### Harley Davidson V Rod (02-09) DOHC 8v

.462/.435 277°/272° 244°/250° 142/590 N/A 10-011 N/A  
Performance profile designed to increase overall performance. Price Per Set (4).

.492/.452 290°/284° 256°/254° 791/677 N/A 10-041 N/A  
Race profile designed to increase mid and upper end performance. Price Per Set (4).

Cam Core CC-HD1  
Please specify year and model when ordering. Price Per Set (4).

### Honda CB 1100 F (1983) DOHC 16v

.365/.365 286°/286° 245°/245° 118 N/A 55-481 N/A  
Good mid and upper end performance for hot street or racing. Shim on top OK. Requires Performance Valve Spring Kit. Price Per Set (2).

.395/.395 284°/284° 256°/256° 110 N/A 55-491 N/A  
Strong mid and upper end performance for racing engines. Requires Exhaust System, High Compression Piston, Shim Under Followers, and Performance Valve Spring Kit. Price Per Set (2).

Buckets, Shim Under Racing CF-H10  
Shim under-style. Must be used with 9.5 mm shims, and our shim under style retainers. Price Per Set (16).

Retainers, Titanium Shim Under Style (9.5 mm shim) RT-H10  
Light weight CNC machined titanium retainers. Please note these retainers can only be used with shim under style buckets and 9.5 mm shims. Stock keepers OK. Price Per Set (16).

Valve Springs Only VS-H10  
Performance dual valve springs. Can be used with stock or shim under retainers. OK to .500" valve lift. Price Per Set (16).

### Honda CB 125 (1980) SOHC 2v

Performance profile designed to increase mid and top end. Requires High Compression Piston, Exhaust System, and Performance Valve Spring Kit. Check ALL clearances! 358c/358b N/A 67-001 N/A

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Honda CB 160 Twin SOHC 4v

.244/.244                      212°/212°                      782              N/A              **59-211**              N/A  
High lift short duration racing profile. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances!

.230/.230                      220°/220°                      25              N/A              **59-191**              N/A  
Performance profile designed to increase overall power. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances!

.230/.230                      230°/230°                      27              N/A              **59-201**              N/A  
Race profile designed for extreme acceleration with added mid and upper end performance. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances!

Rocker Arm Hardwelded **HR-H27**  
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).

Valve Spring Kit With Titanium Retainers **VC-H67**  
Kit includes performance dual springs and Titanium retainers.

Custom grinding is available please call us directly for more details.

## Honda CB 175 (1972) Twin SOHC 4v

.244/.244                      212°/212°                      782              N/A              **59-211**              N/A  
High lift short duration racing profile. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances!

.230/.230                      220°/220°                      25              N/A              **59-191**              N/A  
Performance profile designed to increase overall power. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances!

.230/.230                      230°/230°                      27              N/A              **59-201**              N/A  
Race profile designed for extreme acceleration with added mid and upper end performance. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances!

Rocker Arm Hardwelded **HR-H27**  
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).

Custom grinding is available please call us directly for more details.

## Honda CB 350 (72-78) SOHC 8v

.333/.333              260°/260°              238°/238°                      2              N/A              **55-331**              N/A  
High performance street profile.

.333/.333              270°/270°              248°/248°                      3              N/A              **55-341**              N/A  
Hot street, cafe racer. Requires Performance Valve Spring Kit.

.360/.360              280°/280°              256°/256°                      69              N/A              **55-351**              N/A  
Drag strip, road race. Requires High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances!

Valve Springs Only **VS-H40**  
Performance dual valve springs. Stock retainers OK.

Valve Spring Kit With Aluminum Retainers **VC-H40**  
Kit includes performance dual springs, Aluminum retainers, bottom cups, and shims. OK to .400" valve lift. Price Per Set (8).

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
<b>Honda CB 350 Twin SOHC 4v</b>						
.325/.325	270°/270°		40mc	N/A	<b>59-061</b>	N/A
Mild performance profile to bolt into stock engines.						
.330/.330	280°/280°		358a	N/A	<b>59-071</b>	N/A
Performance profile designed to increase overall performance. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit.						
.335/.335	312°/312°		358b	N/A	<b>59-081</b>	N/A
Performance profile designed to increase mid and top end. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances!						
.330/.330	320°/320°		358c	N/A	<b>59-091</b>	N/A
Race profile designed for extreme acceleration with added mid and upper end performance. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances!						
Rocker Arm Hardwelded						<b>HR-H23</b>
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).						
Valve Spring Kit With Titanium Retainers STD 7 mm						<b>VC-H86</b>
Kit includes performance dual springs, Titanium retainers, bottom cups, shims, and keepers. OK to .450" valve lift. Price Per Set (4).						
Valve Spring Kit With Titanium Retainers 5.5 mm Stem Conversion						<b>VC-H42</b>
Kit includes performance dual springs, Titanium retainers, bottom cups, shims, shortened valve guides 5.5 mm, seals 5.5 mm, and keepers. OK to .450" valve lift.						

Custom grinding is available please call us directly for more details.

## Honda CB 360 G (74-77) Twin SOHC 4v

			503	N/A	<b>59-281</b>	N/A
Performance profile to increase overall power.						
			89mc	N/A	<b>59-291</b>	N/A
Profile designed to increase mid and upper end performance. Requires Exhaust System, and High Compression Piston. Check ALL clearances!						
Rocker Arm Hardwelded						<b>HR-H29</b>
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).						

Custom cam grinding is available for this model, please call us directly for more details.

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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### Honda CB 400 F (72-78) SOHC 8v

.333/.333	260°/260°	238°/238°	2	N/A	55-331	N/A
High performance street profile.						
.333/.333	270°/270°	248°/248°	3	N/A	55-341	N/A
Hot street, cafe racer. Requires Performance Valve Spring Kit.						
.360/.360	280°/280°	256°/256°	69	N/A	55-351	N/A
Drag strip, road race. Requires High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances!						
Valve Springs Only						VS-H40
Performance dual valve springs. Stock retainers OK.						
Valve Spring Kit With Aluminum Retainers						VC-H40
Kit includes performance dual springs, Aluminum retainers, bottom cups, and shims. OK to .400" valve lift. Price Per Set (8).						

### Honda CB 500 / 550 (71-78) SOHC 8v

.330/.330	280°/280°	228°/228°	358a	N/A	55-361	N/A
High performance street profile. Stock springs OK.						
.330/.330	288°/288°	234°/234°	358b	N/A	55-371	N/A
Hot street, cafe racer. Requires High Compression Piston, and Performance Valve Spring Kit.						
Rocker Arm Hardwelded						HR-H11
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).						
Valve Spring Kit With Aluminum Retainers						VC-H65
Kit includes performance dual springs, Aluminum retainers bottom cups, and shims. OK to .440" valve lift. Price Per Set (8).						

### Honda CB 750 F (79-82) DOHC 16v

.365/.365	286°/286°	245°/245°	118	N/A	55-481	N/A
Good mid and upper end performance for hot street or racing. Shim on top OK. Requires Performance Valve Spring Kit. Price Per Set (2).						
.395/.395	284°/284°	256°/256°	110	N/A	55-491	N/A
Strong mid and upper end performance for racing engines. Requires Exhaust System, High Compression Piston, Shim Under Followers, and Performance Valve Spring Kit. Price Per Set (2).						
Buckets, Shim Under Racing						CF-H10
Shim under-style. Must be used with 9.5 mm shims, and our shim under style retainers. Price Per Set (16).						
Retainers, Titanium Shim Under Style (9.5 mm shim)						RT-H10
Light weight CNC machined titanium retainers. Please note these retainers can only be used with shim under style buckets and 9.5 mm shims. Stock keepers OK. Price Per Set (16).						
Valve Springs Only						VS-H10
Performance dual valve springs. Can be used with stock or shim under retainers. OK to .500" valve lift. Price Per Set (16).						

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
.335/.335	266°/266°	237°/234°	41	55-390	55-391	55-392
Broad power range for street or touring. Bolts in to stock engines.						
.335/.335	275°/275°	242°/239°	41a	55-400	55-401	55-402
High performance street profile. Stock springs OK.						
.345/.345	288°/288°	251°/250°	63a	55-410	55-411	55-412
Hot street cam. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit.						
.345/.345	296°/296°	257°/260°	63b	N/A	55-421	55-422
Strong mid and upper end performance for street / strip. Requires Exhaust System, High Compression Piston / Big Bore, and Performance Valve Spring Kit. Check ALL clearances!						
.345/.345	312°/312°	276°/276°	63c	N/A	55-431	55-432
Excellent upper end performance. Requires Exhaust System, High Compression Piston / Big Bore, and Performance Valve Spring Kit.						
Cam Gear, Adjustable Use with all WEB CAM profiles for precise engine tuning. Price (Each).						CG-H00
Rocker Arm Hardwelded We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).						HR-H10
Retainers, Titanium Light weight CNC machined. Fits the K model ONLY. Price Per Set (8).						RT-H75
Valve Springs Only Performance dual valve springs and shims. Stock retainers OK. Fits K model ONLY. Handles up to .500" Valve Lift. Price Per Set (8).						VS-H75
Valve Spring Kit With Aluminum Retainers Kit includes performance dual springs Aluminum retainers, bottom cups, and spring shims. Fits the F2 model ONLY. OK to .450" valve lift. Price Per Set (8).						VC-H79
Valve Spring Kit With Aluminum Retainers K Model Only Kit includes performance dual springs, Aluminum retainers, bottom cups, and shims. OK to .450" valve lift. Fits the K model ONLY. Price Per Set (8).						VC-H75
Valve Spring Kit With Titanium Retainers K Model Only Kit includes performance dual springs, Titanium retainers, bottom cups, and shims. Fits the K model ONLY. OK to .450" valve lift. Price Per Set (8).						VC-H76

**PLEASE NOTE: 5.00 mm conversion kits are available, please call us directly for further details.**

**Kit will include stainless valves, standard or +1 mm OS, bronze valve guides, performance springs, titanium retainers, bottoms and guide seals.**

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Honda CB 900 (80-82) DOHC 16v

.365/.365    286°/286°    245°/245°    118    N/A    55-481    N/A  
 Good mid and upper end performance for hot street or racing. Shim on top OK. Requires Performance Valve Spring Kit. Price Per Set (2).

.395/.395    284°/284°    256°/256°    110    N/A    55-491    N/A  
 Strong mid and upper end performance for racing engines. Requires Exhaust System, High Compression Piston, Shim Under Followers, and Performance Valve Spring Kit. Price Per Set (2).

Buckets, Shim Under Racing CF-H10  
 Shim under-style. Must be used with 9.5 mm shims, and our shim under style retainers. Price Per Set (16).

Retainers, Titanium Shim Under Style (9.5 mm shim) RT-H10  
 Light weight CNC machined titanium retainers. Please note these retainers can only be used with shim under style buckets and 9.5 mm shims. Stock keepers OK. Price Per Set (16).

Valve Springs Only VS-H10  
 Performance dual valve springs. Can be used with stock or shim under retainers. OK to .500" valve lift. Price Per Set (16).

## Honda CB 900 F (CB 919) (02-07) DOHC 16v

.308/.308    251°/251°    228°/228°    176    N/A    59-131    N/A  
 Performance profile designed to increase overall power. Requires Exhaust System. Check ALL clearances! Price Per Set (2).

## Honda CBR 1000 Hurricane (87-95) DOHC 16v

Cam Gear, Adjustable CG-H05  
 Use with all WEB CAM profiles for precise engine tuning. Price Per Set (2).

No profiles available for this model.

## Honda CBR 1000 RR (04-05) DOHC 16v

.376/.363    272°/262°    242°/234°    760/759    N/A    57-181    N/A  
 Performance profile designed to increase overall performance. Price Per Set (2).

.383/.360    276°/266°    253°/242°    227/297    N/A    59-231    N/A  
 Race profile for built engines. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).

.384/.363    272°/262°    248°/234°    540/759    N/A    59-241    N/A  
 High lift, short duration profile to help maintain torque with added overall power. Requires Extended Rockers, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).

Cam Gear, Adjustable CG-H08  
 Use with all WEB CAM profiles for precise engine tuning. Price Per Set (2).

Valve Spring Kit With Titanium Retainers VC-H19  
 Kit includes performance dual springs, Titanium retainers, and bottom cups. OK to .450" valve lift. Price Per Set (16).

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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### Honda CBR 1000 RR (06-07) DOHC 16v

.376/.363	272°/262°	242°/234°	760/759	<b>57-720</b>	N/A	N/A
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Performance profile designed to increase overall performance. Price Per Set (2).

.376/.350	272°/266°	248°/240°	1002/194	<b>59-110</b>	N/A	N/A
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Performance profile designed to increase mid and upper end. Requires Exhaust System, and High Compression Piston. Price Per Set (2).

.384/.358	272°/268°	248°/241°	540/11i	N/A	<b>59-121</b>	N/A
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Race profile. Additional charge will apply for this profile to hard chrome journals. See part CJ-000. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).

Hard Chrome Journals **CJ-000**  
 We will hard chrome and regrind your cam journals. Price Per Set (2).

Cam Gear, Adjustable **CG-H08**  
 Use with all WEB CAM profiles for precise engine tuning. Price Per Set (2).

### Honda CBR 1000 RR (08-11) DOHC 16v

.384/.350	272°/266°	248°/240°	540/194	<b>59-100</b>	N/A	N/A
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Performance profile designed to increase overall power. Cams have a reduced base circle, longer valves or extra shimming required. Check ALL clearances! Price Per Set (2).

Chain Tensioner, Manual **CT-H07**  
 CNC machined from billet alloy to exact tolerances for perfect fit.

### Honda CBR 1000 RR (12-13) DOHC 16v

.386/.358	276°/268°	248°/241°	968/11i	<b>59-250</b>	N/A	N/A
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Performance profile to increase overall power. Cams have a reduced base circle, re-shimming is required. Requires Exhaust System, and High Compression Piston. Check ALL clearances! Price Per Set (2).

.383/.358	276°/268°	253°/241°	227/11i	<b>59-260</b>	N/A	N/A
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Race profile to increase mid and upper performance. Cams has a reduced base circle. Requires Exhaust System, and High Compression Piston. Check ALL clearances! Price Per Set (2).

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Honda CBR 1100 xx Blackbird (97-03) DOHC 16v

.350/.350	266°/266°	240°/240°	194	N/A	55-211	N/A
Bolt in profile increases overall performance throughout RPM range. Price Per Set (2).						
.360/.332	270°/264°	246°/239°	116/117	N/A	57-381	N/A
Race profile designed to increase mid and upper end performance. Requires High Compression Piston, Exhaust System, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
Cam Gear, Adjustable	Use with all WEB CAM profiles for precise engine tuning. Price Per Set (2).					CG-H07
Chain Tensioner, Manual	CNC machined from billet alloy to exact tolerances for perfect fit.					CT-H02
Valve Spring Kit With Titanium Retainers	Kit includes performance dual springs, Titanium retainers, and bottoms. OK up to 0.440" valve lift. Price Per Set (16).					VC-H91
Valves, Stainless Intake Standard Size	Standard size 32 mm. Price (Each).					IV-H12
Valves, Stainless Intake Oversized +1 mm	Oversized to 33 mm. Price (Each).					OV-H12
Valves, Stainless Exhaust Standard Size	Standard size 27 mm. Price (Each).					EV-H13
Valves, Stainless Exhaust Oversized +1 mm	Oversized to 28 mm. Price (Each).					OV-H13

## Honda CBR 600 F 1 Hurricane (87-90) DOHC 16v

.330/.330	254°/254°	228°/228°	228	N/A	55-161	N/A
Bolt in profile increases overall performance throughout RPM range. Price Per Set (2).						
.348/.348	270°/270°	248°/248°	190	N/A	55-171	N/A
Strong mid and upper end performance for racing engines. Requires High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).						
Chain Tensioner, Manual	CNC machined from billet alloy to exact tolerances for perfect fit.					CT-H01
Valve Spring Kit With Titanium Retainers	Kit includes performance dual springs and Titanium retainers. OK to .400" valve lift. Price Per Set (16).					VC-H00

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
<b>Honda CBR 600 F 2 (91-94) DOHC 16v</b>						
.308/.308	250°/250°	228°/228°	176	N/A	<b>55-191</b>	N/A
Bolt in profile increases overall performance throughout RPM range. For the F2 California engines. Price Per Set (2).						
.332/.308	264°/250°	239°/228°	117/176	N/A	<b>55-951</b>	N/A
Good torque for sprint car applications. Works great for shorter tracks. Price Per Set (2).						
.332/.332	264°/264°	239°/239°	117	N/A	<b>55-201</b>	N/A
Bolt in profile increases overall performance throughout RPM range. Good torque and better acceleration for sprint car application. Designed for F3 and 49 state engines. Price Per Set (2).						
.352/.332	264°/262°	241°/243°	55/49	N/A	<b>55-181</b>	N/A
Strong mid and upper end performance for racing engines. Excellent for road race. Can be used in sprint car applications for longer tracks. Requires High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
Cam Gear, Adjustable Use with all WEB CAM profiles for precise engine tuning. Price Per Set (2).						<b>CG-H03</b>
Chain Tensioner, Manual CNC machined from billet alloy to exact tolerances for perfect fit.						<b>CT-H01</b>
Retainers, Titanium Light weight CNC machined. Use with VS-H01 Price Per Set (16).						<b>RT-H01</b>
Valve Springs Only Racing Performance dual valve springs. Recommended to use with RT-H01.						<b>VS-H01</b>
Valves, Stainless Intake Standard Size Standard size 25.50 mm. Price (Each).						<b>IV-H01</b>
Valves, Stainless Intake Oversized +1 mm Oversized to 26.50 mm. Price (Each).						<b>OV-H01</b>
Valves, Stainless Exhaust Standard Size Standard size 22 mm. Price (Each).						<b>EV-H02</b>
Valves, Stainless Exhaust Oversized +1 mm Oversized to 23 mm. Price (Each).						<b>OV-H02</b>
Valve Guide, Shortened .115" Intake, .040" Exhaust Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Fits intake and exhaust. Price (Each).						<b>VG-H01</b>

Custom grinding is available please call us direct for more details.

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Honda CBR 600 F 3 (95-98) DOHC 16v

.308/.308 250°/250° 228°/228° 176 N/A 55-191 N/A  
Bolt in profile increases overall performance throughout RPM range. For the F2 California engines. Price Per Set (2).

.332/.308 264°/250° 239°/228° 117/176 N/A 55-951 N/A  
Good torque for sprint car applications. Works great for shorter tracks. Price Per Set (2).

.332/.332 264°/264° 239°/239° 117 N/A 55-201 N/A  
Bolt in profile increases overall performance throughout RPM range. Good torque and better acceleration for sprint car application. Designed for F3 and 49 state engines. Price Per Set (2).

.352/.332 264°/262° 241°/243° 55/49 N/A 55-181 N/A  
Strong mid and upper end performance for racing engines. Excellent for road race. Can be used in sprint car applications for longer tracks. Requires High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).

Cam Gear, Adjustable CG-H03  
Use with all WEB CAM profiles for precise engine tuning. Price Per Set (2).

Chain Tensioner, Manual CT-H02  
CNC machined from billet alloy to exact tolerances for perfect fit.

Retainers, Titanium RT-H01  
Light weight CNC machined. Use with VS-H01 Price Per Set (16).

Valve Springs Only Racing VS-H01  
Performance dual valve springs. Recommended to use with RT-H01.

Valves, Stainless Intake Standard Size IV-H01  
Standard size 25.50 mm. Price (Each).

Valves, Stainless Intake Oversized +1 mm OV-H01  
Oversized to 26.50 mm. Price (Each).

Valves, Stainless Exhaust Standard Size EV-H02  
Standard size 22 mm. Price (Each).

Valves, Stainless Exhaust Oversized +1 mm OV-H02  
Oversized to 23 mm. Price (Each).

Valve Guide, Shortened .115" Intake, .040" Exhaust Standard Size VG-H01  
Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Fits intake and exhaust. Price (Each).

Custom grinding is available please call us direct for more details.

## Honda CBR 600 F 4 (99-00) DOHC 16v

.360/.313 270°/260° 246°/226° 116/614 N/A 57-001 N/A  
Performance profile designed to increase overall performance. Intake cam has a reduced base circle. Price Per Set (2).

Cam Gear, Adjustable CG-H06  
Use with all WEB CAM profiles for precise engine tuning. Price Per Set (2).

Chain Tensioner, Manual CT-H02  
CNC machined from billet alloy to exact tolerances for perfect fit.

Valve Spring Kit With Titanium Retainers VC-H14  
Kit includes performance dual springs, Titanium retainers, and HT bottoms. OK to .360 valve lift. Price Per Set (16).

Custom grinding is available please call us directly for more details.

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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### Honda CBR 600 F 4 i (01-06) DOHC 16v

.360/.313	270°/260°	246°/226°	116/614	N/A	57-171	N/A
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Bolt in profile increases overall performance throughout RPM range. Price Per Set (2).

Chain Tensioner, Manual  
CNC machined from billet alloy to exact tolerances for perfect fit. **CT-H02**

Valve Spring Kit With Titanium Retainers  
Kit includes performance dual springs, Titanium retainers, and HT bottoms. OK to .360 valve lift. Price Per Set (16). **VC-H14**

Custom grinding is available please call us directly for more details.

### Honda CBR 600 RR (03-06) DOHC 16v

.348/.308	273°/251°	249°/228°	934/176	N/A	57-921	N/A
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Performance profile to increase overall performance. Requires Exhaust System, and High Compression Piston. Check ALL clearances! Price Per Set (2).

.335/.326	278°/258°	254°/232°	818/71	N/A	57-931	N/A
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Performance profile designed to increase mid and upper end. Requires Exhaust System, and High Compression Piston. Check ALL clearances! Price Per Set (2).

Cam Gear, Adjustable  
Use with all WEB CAM profiles for precise engine tuning. Price Per Set (2). **CG-H15**

Chain Tensioner, Manual  
CNC machined from billet alloy to exact tolerances for perfect fit. **CT-H05**

Custom grinding is available please call us directly for more details.

### Honda CBR 600 RR (07-12) DOHC 16v

.348/.315	273°/252°	249°/230°	934/953	N/A	57-941	N/A
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Performance profile increases overall power throughout RPM range. Requires Exhaust System, and High Compression Piston. Check ALL clearances! Price Per Set (2).

.355/.317	276°/264°	252°/236°	187/568	N/A	57-951	N/A
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Performance profile designed to increase mid and upper end. Requires Exhaust System, and High Compression Piston. Check ALL clearances! Price Per Set (2).

Cam Gear, Adjustable  
Use with all WEB CAM profiles for precise engine tuning. Price Per Set (2). **CG-H15**

Chain Tensioner, Manual  
CNC machined from billet alloy to exact tolerances for perfect fit. **CT-H05**

Custom grinding is available please call us direct for more details.

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Honda CBR 900 RR (93-03) DOHC 16v

.308/.308	250°/250°	228°/228°	176	N/A	55-831	N/A
Bolt in profile increases overall performance throughout RPM range. California model. Price Per Set (2).						
.332/.332	264°/264°	239°/239°	117	N/A	55-851	N/A
Bolt in profile increases overall performance throughout RPM range. 49 state model. Price Per Set (2).						
.352/.332	264°/262°	241°/243°	55/49	N/A	55-841	N/A
Strong mid and upper end performance for racing engines. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
Cam Gear, Adjustable Use with all WEB CAM profiles for precise engine tuning. Price Per Set (2).						CG-H04
Chain Tensioner, Manual CNC machined from billet alloy to exact tolerances for perfect fit.						CT-H02
Retainers, Titanium Light weight CNC machined. Use with VS-H02 Price Per Set (16).						RT-H02
Valve Springs Only Racing Performance dual valve springs. Can be used with stock retainers or RT-H02. Price Per Set (16).						VS-H02
Valves, Stainless Intake Standard Size Standard size 27.50 mm. Price (Each).						IV-H10
Valves, Stainless Intake Oversized +1 mm Oversized to 28.50 mm. Price (Each).						OV-H10
Valves, Stainless Exhaust Standard Size Standard size 23.50 mm. Price (Each).						EV-H11
Valves, Stainless Exhaust Oversized +1 mm Oversized to 24.50 mm. Price (Each).						OV-H11

## Honda CBR 929 RR (00-01) DOHC 16v

.360/.360	270°/270°	242°/242°	576	57-410	N/A	N/A
Performance profile to increase overall performance. Cam has a reduced base circle. Use F4 factory shims for adjustment. Requires High Compression Piston, and Exhaust System. Price Per Set (2).						
Cam Gear, Adjustable Use with all WEB CAM profiles for precise engine tuning. Price Per Set (2).						CG-H08
Chain Tensioner, Manual CNC machined from billet alloy to exact tolerances for perfect fit.						CT-H06

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
<b>Honda CBR 954 RR (02-03) DOHC 16v</b>						
.360/.360	266°/270°	242°/246°	297/116	57-420	N/A	N/A
Performance profile to increase overall performance. Cam has a reduced base circle. Use F4 factory shims for adjustment. Requires High Compression Piston, and Exhaust System. Price Per Set (2).						
.384/.360	272°/270°	248°/248°	540/116	N/A	59-051	N/A
Improves mid and upper end performance. Additional charge will apply for this profile to hard chrome journals. See part CJ-000. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.400/.384	280°/272°	256°/248°	539/540	N/A	59-141	N/A
Race profile designed for extreme acceleration with added mid and upper end performance. Additional charge will apply for this profile to hard chrome journals. See part CJ-000. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
Hard Chrome Journals We will hard chrome and regrind your cam journals. Price Per Set (2).						CJ-000
Cam Gear, Adjustable Use with all WEB CAM profiles for precise engine tuning. Price Per Set (2).						CG-H08
Chain Tensioner, Manual CNC machined from billet alloy to exact tolerances for perfect fit.						CT-H06

\*Please note: Custom grinding is available, please call us directly for further details.

Stock springs float in this engine, and at this time we do not offer a performance valve spring kit.

You may be able to shim the spring to achieve more spring pressure as long as you have an additional .045 clearance before coil bind.

If you need additional assistance please advise.

## Honda CBX 6 Cylinder (79-82) 1000cc DOHC 24v

.365/.365	286°/286°	245°/245°	118	N/A	55-541	N/A
Increases overall power throughout the RPM range. Requires Performance Valve Spring Kit. Price Per Set (4).						
.395/.395	284°/284°	256°/256°	110	N/A	55-551	N/A
Strong mid and upper end performance for racing engines. Requires Exhaust System, High Compression Piston, Shim Under Followers, and Performance Valve Spring Kit. Price Per Set (4).						
Buckets, Shim Under Racing Fits CBX. Shim under-style. Price Per Set (24).						CF-H11
Retainers, Titanium Fits CBX. Shim under-style. Price Per Set (24).						RT-H11
Valve Springs Only Performance dual valve springs. Can be used with stock retainers or RT-H11. Can handles up to .420" Valve Lift.						VS-H11

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Honda CRF 100 F (04-13) SOHC 2v

.285/.285	265°/268°	222°/233°	68	N/A	55-081	N/A
Good all around cam with broad power range for stock engines. Check ALL clearances!						
.275/.285	282°/268°	236°/230°	69/68	N/A	55-091	55-092
Strong mid and upper end performance. Requires Exhaust System, High Compression Piston / Big Bore, and Performance Valve Spring Kit. Check ALL clearances!						
.330/.330	300°/290°	242°/235°	358c/358b	N/A	55-101	N/A
Explosive mid and upper end power for motocross and flat track. Use for racing engines only. Requires Exhaust System, High Compression Piston / Big Bore, and Performance Valve Spring Kit. Check ALL clearances!						
Cam Core	Please specify year and model when ordering. New cam is sold outright. No core required. Price (Each).					CC-H06
Valve Spring Kit With Aluminum Retainers	Kit includes performance dual springs, Aluminum retainers bottom cups, and shims. OK to .325" valve lift. Price Per Set (2).					VC-H7X
Valve Spring Kit With Titanium Retainers	Kit includes performance dual springs and Titanium retainers. OK to .360" valve lift. Price Per Set (2).					VC-H06
Valves, Stainless Intake Standard Size	Standard size 24 mm. Price (Each).					IV-H25
Valves, Stainless Intake Oversized +2 mm	Oversized to 26 mm. Price (Each).					IV-H26
Valves, Stainless Exhaust Standard Size	Standard size 20.5 mm. Price (Each).					EV-H33
Valves, Stainless Exhaust Oversized +2 mm	Oversized to 22 mm. Price (Each).					EV-H34
Valve Guide, Shortened .145" Intake Standard Size	Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Price (Each).					VG-H12-I
Valve Guide, Shortened .170" Exhaust Standard Size	Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Price (Each).					VG-H12-E

## Honda CRF 150 F (03-05) SOHC 2v

.340/.320	252°/263°	220°/234°	40mc/402	N/A	57-031	N/A
Good all around profile for stock or modified engines.						
.360/.360		240°/240°	89a	N/A	57-711	N/A
Performance profile designed to increase mid and upper end. May have to sink valves in head for additional valve to valve clearance. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances!						
Cam Core	Please specify year and model when ordering. Price (Each).					CC-H31
Rocker Arm Hardwelded	We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).					HR-H12
Valve Spring Kit With Aluminum Retainers	Kit includes performance dual springs, Aluminum retainers, and shims. OK to .350" valve lift. Price Per Set (2).					VC-H99
Valve Spring Kit With Titanium Retainers	Kit includes performance dual springs, Titanium retainers, and shims. OK to .350" valve lift. Price Per Set (2).					VC-H93

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
<b>Honda CRF 150 F (06-09) SOHC 2v</b>						
.300/.280		229°/226°	223/167	57-150	N/A	N/A
Performance profile designed to increase overall performance.						
Cam Core	Please specify year and model when ordering. Price (Each).					CC-H42
Valve Spring Kit With Titanium Retainers	Kit includes performance dual springs, Titanium retainers, and bottom cups. OK to .330" valve lift. Price Per Set (2).					VC-H80
<b>Honda CRF 150 F (12-13) SOHC 2v</b>						
Valve Spring Kit With Titanium Retainers	Kit includes performance dual springs, Titanium retainers, and bottom cups. OK to .330" valve lift. Price Per Set (2).					VC-H80
<b>Honda CRF 150 R (07-09) SOHC 4v</b>						
.340/.291	260°/289°	236°/253°	298/812	N/A	57-321	N/A
Designed to increase throttle response. Requires Performance Valve Spring Kit.						
.345/.290	264°/286°	240°/252°	617/812	N/A	57-571	N/A
Performance profile designed to increase overall performance. Requires Performance Valve Spring Kit, and Exhaust System.						
.338/.290	268°/286°	247°/252°	192/812	N/A	57-561	N/A
Performance profile designed to increase mid and upper end. Requires High Compression Piston, Exhaust System, and Performance Valve Spring Kit.						
Cam Core	Please specify year and model when ordering. Price (Each).					CC-H43
Cam Gear, Adjustable	Use with all WEB CAM profiles for precise engine tuning.					CG-H16
Chain Tensioner, Manual	CNC machined from billet alloy to exact tolerances for perfect fit.					CT-H03
Valve Spring Kit With Titanium Retainers	Kit includes performance dual springs, Titanium retainers, and bottom cups. OK to .360" valve lift. Price Per Set (4).					VC-H83
Valves, Stainless Intake Standard Size	Standard size 26 mm. Price (Each).					IV-H20
Valves, Stainless Intake Oversized +1 mm	Oversized to 27 mm. Price (Each).					OV-H20
Valves, Stainless Exhaust Standard Size	Standard size 22.50 mm. Price (Each).					EV-H21
Valves, Stainless Exhaust Oversized +1 mm	Oversized to 23.50 mm. Price (Each).					OV-H21
Valve Guide, Stock Height Exhaust Standard Size	Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010 Price (Each).					VG-H83-E
Valve Guide, Shortened .015" Intake Standard Size	Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010 Price (Each).					VG-H83-I

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Honda CRF 150 R (12-13) SOHC 4v

.338/.290	268°/286°	247°/252°	192/812	N/A	59-181	N/A
Performance profile designed to increase mid and upper end. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit.						
.340/.291	260°/289°	236°/253°	298/812	N/A	59-161	N/A
Designed to increase throttle response. Requires Performance Valve Spring Kit.						
.345/.290	264°/286°	240°/252°	617/812	N/A	59-171	N/A
Performance profile designed to increase overall performance. Requires Performance Valve Spring Kit, and Exhaust System.						
Cam Core						CC-H49
Price (Each).						
Valve Spring Kit With Titanium Retainers						VC-H83
Kit includes performance dual springs, Titanium retainers, and bottom cups. OK to .360" valve lift. Price Per Set (4).						
Valves, Stainless Intake Standard Size						IV-H20
Standard size 26 mm. Price (Each).						
Valves, Stainless Intake Oversized +1 mm						OV-H20
Oversized to 27 mm. Price (Each).						
Valves, Stainless Exhaust Standard Size						EV-H21
Standard size 22.50 mm. Price (Each).						
Valves, Stainless Exhaust Oversized +1 mm						OV-H21
Oversized to 23.50 mm. Price (Each).						
Valve Guide, Stock Height Exhaust Standard Size						VG-H83-E
Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010 Price (Each).						
Valve Guide, Shortened .015" Intake Standard Size						VG-H83-I
Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010 Price (Each).						

## Honda CRF 230 F (03-13) SOHC 2v

.300/.300	282°/282°		282	N/A	57-051	N/A
Bolt in profile designed to achieve the ultimate performance. Adds 5+ HP!						
Cam Core						CC-H33
Please specify year and model when ordering. Price (Each).						
Rocker Arm Hardwelded						HR-H21
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).						
Valve Spring Kit With Aluminum Retainers						VC-H99
Kit includes performance dual springs, Aluminum retainers, and shims. OK to .350" valve lift. Price Per Set (2).						
Valve Spring Kit With Titanium Retainers						VC-H93
Kit includes performance dual springs, Titanium retainers, and shims. OK to .350" valve lift. Price Per Set (2).						

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
<b>Honda CRF 230 L (08-09) SOHC 2v</b>						
Rocker Arm Hardwelded We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).						HR-H21
Valve Spring Kit With Aluminum Retainers Kit includes performance dual springs, Aluminum retainers, and shims. OK to .350" valve lift. Price Per Set (2).						VC-H99
Valve Spring Kit With Titanium Retainers Kit includes performance dual springs, Titanium retainers, and shims. OK to .350" valve lift. Price Per Set (2).						VC-H93
Custom grinding is available please call us directly for more details.						
<b>Honda CRF 250 R (04-07) SOHC 4v</b>						
.344/.325	261°/286°	237°/250°	975/812	N/A	N/A	57-522
Torque profile designed to increase throttle response. Works great for supercross applications. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit.						
.332/.325	262°/286°	243°/250°	49/812	N/A	N/A	57-092
Performance profile designed to increase overall performance. Works great for motocross / Supercross applications. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit.						
.338/.325	268°/286°	247°/250°	192/812	N/A	N/A	57-212
Performance profile designed to increase mid and upper end. Works great for motocross applications. Not recommended for 08-09 model. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit.						
.345/.325	269°/286°	245°/250°	970/812	N/A	N/A	57-302
Performance profile designed to increase mid and upper end. Works excellent for Motocross applications. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances!						
.355/.325	276°/286°	252°/250°	187/812	N/A	N/A	57-312
Improves mid and upper end performance. Requires Exhaust System, High Compression Piston, Larger Diameter Followers, and Performance Valve Spring Kit. Check ALL clearances!						
Cam Gear, Adjustable 36 Teeth Adjustable gear only. For use if you already have a flange pressed on your cam. Can be used with all WEB CAM profiles for precise engine tuning. Price (Each).						CG-H14
Cam Gear, Adjustable 36 Teeth Conversion kit to replace your current OEM gear. Comes complete with flange, adjustable sprocket, and two bolts. Can be used with all WEB CAM'S profiles for precise engine tuning. Price (Each).						CG-H11
Buckets, Shim Under Intake Standard Size Replacement buckets 22.50 mm. Allows more area on the tappet. Price Per Set (2).						CF-Y00
Chain Tensioner, Manual CNC machined from billet alloy to exact tolerances for perfect fit.						CT-H03
Valve Spring Kit With Titanium Retainers Kit includes performance dual springs Titanium retainers, lower collars and valve guides seals. Recommend to use with stock cam profile and stainless valves. OK to .350 Lift. Price Per Set (4).						VC-H13
Valve Spring Kit With Titanium Retainers Kit includes performance dual PSI springs, Titanium retainers, and bottoms. OK to .375 valve lift. Price Per Set (4).						VC-H12
Valves, Stainless Intake Standard Size Standard size 31 mm. Price (Each).						IV-H17
Valves, Stainless Intake Oversized +1 mm Oversized to 32 mm. Price (Each).						IV-H18

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
Valves, Stainless Exhaust Standard Size Standard size 26 mm. Price (Each).						EV-H17
Valves, Stainless Exhaust Oversized +1 mm Oversized to 27 mm. Price (Each).						EV-H18
Valves, Titanium Intake Standard Size Standard size 31 mm. Price (Each).						IV-H30
Valves, Titanium Intake Oversized +1 mm Oversized to 32 mm. Price (Each).						IV-H31
Valve Guide, Shortened .040" Intake Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Price (Each).						VG-H11-I
Valve Guide, Shortened .040" Exhaust Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Price (Each).						VG-H11-E
Valve Seals Replacement valve guide seals. Price Per Set (4).						VS-H05

We recommend to replace intake tappets. See part number CF-Y00.

If you wish to have a flange pressed on instead of a stock gear, please advise at the time of ordering.

The new flange will allow for you to use an adjustable cam gear see part CG-H14. We also sell a conversion kit see CG-H11.

## Honda CRF 250 R (08-09) SOHC 4v

.344/.325	261°/286°	237°/250°	975/812	N/A	N/A	57-522
Torque profile designed to increase throttle response. Works great for supercross applications. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit.						
.345/.325	269°/286°	245°/250°	970/812	N/A	N/A	57-302
Performance profile designed to increase mid and upper end. Works excellent for Motocross applications. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances!						
.355/.325	276°/286°	252°/250°	187/812	N/A	N/A	57-312
Improves mid and upper end performance. Requires Exhaust System, High Compression Piston, Larger Diameter Followers, and Performance Valve Spring Kit. Check ALL clearances!						
Cam Gear, Adjustable 36 Teeth						CG-H14
Adjustable gear only. For use if you already have a flange pressed on your cam. Can be used with all WEB CAM profiles for precise engine tuning. Price (Each).						
Cam Gear, Adjustable 36 Teeth						CG-H11
Conversion kit to replace your current OEM gear. Comes complete with flange, adjustable sprocket, and two bolts. Can be used with all WEB CAM'S profiles for precise engine tuning. Price (Each).						
Buckets, Shim Under Intake Standard Size						CF-Y00
Replacement buckets 22.50 mm. Allows more area on the tappet. Price Per Set (2).						
Chain Tensioner, Manual						CT-H03
CNC machined from billet alloy to exact tolerances for perfect fit.						
Valve Spring Kit With Titanium Retainers						VC-H32
Kit includes performance dual springs Titanium retainers, lower collars and valve guides seals. OK to .350 valve lift. Check retainer to guide seal clearance, minimum .030 additional at full lift. Check ALL clearances! Price Per Set (4).						
Valve Spring Kit With Titanium Retainers						VC-H82
Kit includes performance dual PSI springs, Titanium retainers, and bottom cups. OK to .375" valve lift. Price Per Set (4).						

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
Valves, Stainless Intake Standard Size Standard size 31 mm. Price (Each).						IV-H17
Valves, Stainless Intake Oversized +1 mm Oversized to 32 mm. Price (Each).						IV-H18
Valves, Stainless Exhaust Standard Size Standard size 26 mm. Price (Each).						EV-H28
Valves, Stainless Exhaust Oversized +1 mm Oversized to 27 mm. Price (Each).						EV-H29
Valves, Titanium Intake Standard Size Standard size 31 mm. Price (Each).						IV-H30
Valves, Titanium Intake Oversized +1 mm Oversized to 32 mm. Price (Each).						IV-H31
Valves, Titanium Exhaust Standard Size Standard size 26 mm. Price (Each).						EV-H30
Valves, Titanium Exhaust Oversized +1 mm Oversized to 27 mm. Price (Each).						EV-H31
Valve Guide, Shortened .040" Intake Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Price (Each).						VG-H11-I
Valve Guide, Shortened Exhaust Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Price (Each).						VG-H17

**We recommend to replace intake tappets. See part number CF-Y00.**  
**If you wish to have a flange pressed on instead of a stock gear, please advise at the time of ordering.**  
**The new flange will allow for you to use an adjustable cam gear see part number CG-H14.**

## Honda CRF 250 R (10-11) SOHC 4v

.344/.333	237°/237°		975/955	N/A	N/A	57-862
Torque profile designed to increase throttle response. Works great for supercross applications. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances!						
.345/.363	245°/247°		970/1115	N/A	N/A	57-872
Performance profile designed to increase mid and upper end. Works excellent for Supercross / Motocross applications. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances!						
.360/.363	242°/247°		297/1115	N/A	N/A	57-882
Performance profile designed to increase mid and upper end. Works excellent for Supercross / Motocross applications. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances!						
Cam Gear, Adjustable 36 Teeth	Adjustable gear only. For use if you already have a flange pressed on your cam. Can be used with all WEB CAM profiles for precise engine tuning. Price (Each).					CG-H14
Cam Gear, Adjustable 36 Teeth	Conversion kit to replace your current OEM gear. Comes complete with flange, adjustable sprocket, and two bolts. Can be used with all WEB CAM'S profiles for precise engine tuning. Price (Each).					CG-H11
Buckets, Shim Under Intake Standard Size	Replacement buckets 22.50 mm. Allows more area on the tappet. Price Per Set (2).					CF-Y00

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
Valve Spring Kit With Titanium Retainers Kit includes performance dual springs, Titanium retainers, HT Steel Bottoms, and Viton Seals. OK to .385" valve lift. Check ALL clearances! Price Per Set (4).						VC-H41
Valve Spring Kit With Titanium Retainers Kit includes performance single springs, titanium retainers, and bottom cups. OK to .420 intake valve lift / .410 exhaust valve lift. Price Per Set (4).						VC-H48
<p>We recommend to replace intake tappets. See part number CF-Y00. If you wish to have a flange pressed on instead of a stock gear, please advise at the time of ordering. The new flange will allow for you to use an adjustable cam gear see part number CG-H14.</p>						
<b>Honda CRF 250 R (12-13) SOHC 4v</b>						
.344/.333		237°/237°	975/955	N/A	N/A	57-862
Torque profile designed to increase throttle response. Works great for supercross applications. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances!						
.345/.363		245°/247°	970/1115	N/A	N/A	57-872
Performance profile designed to increase mid and upper end. Works excellent for Supercross / Motocross applications. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances!						
.360/.363		242°/247°	297/1115	N/A	N/A	57-882
Performance profile designed to increase mid and upper end. Works excellent for Supercross / Motocross applications. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances!						
Cam Gear, Adjustable 36 Teeth Adjustable gear only. For use if you already have a flange pressed on your cam. Can be used with all WEB CAM profiles for precise engine tuning. Price (Each).						CG-H14
Cam Gear, Adjustable 36 Teeth Conversion kit to replace your current OEM gear. Comes complete with flange, adjustable sprocket, and two bolts. Can be used with all WEB CAM'S profiles for precise engine tuning. Price (Each).						CG-H11
Buckets, Shim Under Intake Standard Size Replacement buckets 22.50 mm. Allows more area on the tappet. Price Per Set (2).						CF-Y00
Valve Spring Kit With Titanium Retainers Kit includes performance dual springs, Titanium retainers, HT Steel Bottoms, and Viton Seals. OK to .385" valve lift. Check ALL clearances! Price Per Set (4).						VC-H41
Valve Spring Kit With Titanium Retainers Kit includes performance single springs, titanium retainers, and bottom cups. OK to .420 intake valve lift / .410 exhaust valve lift. Price Per Set (4).						VC-H48

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Honda CRF 250 X (04-13) SOHC 4v

.344/.325	261°/286°	237°/250°	975/812	N/A	N/A	57-522
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Torque profile designed to increase throttle response. Works great for supercross applications. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit.

.332/.325	262°/286°	243°/250°	49/812	N/A	N/A	57-092
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Performance profile designed to increase overall performance. Works great for motocross / Supercross applications. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit.

.338/.325	268°/286°	247°/250°	192/812	N/A	N/A	57-212
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Performance profile designed to increase mid and upper end. Works great for motocross applications. Not recommended for 08-09 model. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit.

.345/.325	269°/286°	245°/250°	970/812	N/A	N/A	57-302
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Performance profile designed to increase mid and upper end. Works excellent for Motocross applications. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances!

.355/.325	276°/286°	252°/250°	187/812	N/A	N/A	57-312
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Improves mid and upper end performance. Requires Exhaust System, High Compression Piston, Larger Diameter Followers, and Performance Valve Spring Kit. Check ALL clearances!

Cam Gear, Adjustable 36 Teeth						CG-H11
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Conversion kit to replace your current OEM gear. Comes complete with flange, adjustable sprocket, and two bolts. Can be used with all WEB CAM'S profiles for precise engine tuning. Price (Each).

Buckets, Shim Under Intake Standard Size						CF-Y00
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Replacement buckets 22.50 mm. Allows more area on the tappet. Price Per Set (2).

Chain Tensioner, Manual						CT-H03
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CNC machined from billet alloy to exact tolerances for perfect fit.

Valve Spring Kit With Titanium Retainers						VC-H13
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Kit includes performance dual springs Titanium retainers, lower collars and valve guides seals. Recommend to use with stock cam profile and stainless valves. OK to .350 Lift. Price Per Set (4).

Valve Spring Kit With Titanium Retainers						VC-H12
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Kit includes performance dual PSI springs, Titanium retainers, and bottoms. OK to .375 valve lift. Price Per Set (4).

**We recommend to replace intake tappets. See part number CF-Y00.**

**If you wish to have a flange pressed on instead of a stock gear, please advise at the time of ordering.**

**The new flange will allow for you to use an adjustable cam gear see part number CG-H14**

## Honda CRF 450 R (02-06) SOHC 4v

.355/.342	282°/298°	258°/262°	943/921	N/A	N/A	57-122
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Bolt in profile increases overall performance throughout RPM range.

.400/.323	264°/280°	238°/244°	570/993	N/A	N/A	57-512
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Performance profile designed to increase overall performance. Excellent throttle response. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit.

.400/.360	268°/280°	242°/245°	1043/1044	N/A	N/A	57-602
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Excellent torque profile to increase overall performance, also works excellent for short track super motard / supercross applications. Requires Performance Valve Spring Kit.

.400/.350	282°/288°	256°/252°	961/962	N/A	N/A	57-442
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Performance profile designed to increase mid and upper end. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit.

.415/.342	276°/288°	252°/252°	493/729	N/A	N/A	55-462
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Performance profile designed to increase mid and upper end. Requires Exhaust System, High Compression Piston, Larger Diameter Followers, Shortened Valve Guides, and Performance Valve Spring Kit.

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
.408/.342	282°/298°	258°/262°	208/921	N/A	N/A	<b>57-042</b>
Race profile. Works well for TT, Super Motard or MX. Requires Exhaust System, High Compression Piston, Larger Diameter Followers, Shortened Valve Guides, and Performance Valve Spring Kit.						
.415/.410	276°/276°	252°/248°	493/739	N/A	N/A	<b>55-442</b>
High lift, short duration racing profile. Excellent throttle response. Requires Exhaust System, High Compression Piston, Larger Diameter Followers, Shortened Valve Guides, and Performance Valve Spring Kit. Check ALL clearances!						
.418/.342	284°/298°	261°/262°	242/921	N/A	N/A	<b>57-192</b>
Race profile. A WEB CAM winner! Requires Exhaust System, High Compression Piston, Larger Diameter Followers, Shortened Valve Guides, and Performance Valve Spring Kit. Check ALL clearances!						
.432/.350	292°/294°	260°/255°	415/416	N/A	N/A	<b>57-072</b>
The "MYSTO" cam designed for race use ONLY. Works good for big bore applications. Requires Exhaust System, High Compression Piston, Larger Diameter Followers, Shortened Valve Guides, and Performance Valve Spring Kit. Check ALL clearances!						
Cam Gear, Adjustable 36 Teeth						<b>CG-H14</b>
Adjustable gear only. For use if you already have a flange pressed on your cam. Can be used with all WEB CAM profiles for precise engine tuning. Price (Each).						
Buckets, Shim Under Intake Oversized						<b>CF-H01</b>
Oversized to 28 mm shim under intake tappets. Machining required. Fits all models TRX / CRF 450 engines. Check to make sure thrust on cam does not interfere with oversized tappet, if it does you will need to modify thrust surface on cam for proper fit. Check ALL clearances! Price Per Set (2).						
Buckets, Shim Under Intake Oversized WPC Coated						<b>CF-H02</b>
Recommend to use for extreme racing conditions. WPC Coated Oversized to 28 mm shim under intake tappets. Machining required. Check to make sure thrust on cam does not interfere with oversized tappet, if it does you will need to modify thrust surface on cam for proper fit. Fits all models TRX / CRF 450 engines. Check ALL clearances! Price Per Set (2).						
Chain Tensioner, Manual						<b>CT-H04</b>
CNC machined from billet alloy to exact tolerances for perfect fit.						
Valve Spring Kit With Aluminum Retainers						<b>VC-H72</b>
Kit includes performance dual PSI springs, aluminum retainers, and bottom cups. OK to .500" valve lift. Price Per Set (4).						
Valve Spring Kit With Titanium Retainers						<b>VC-H74</b>
Kit includes performance dual springs and Titanium retainers. OK up to 0.440" valve lift. Check ALL clearances! Price Per Set (4).						
Valve Spring Kit With Titanium Retainers (High Rev)						<b>VC-H97</b>
Kit includes performance single springs and Titanium retainers. Recommend for Flat Track use and Hi-Rev applications. OK up to 12,000 RPM. You do not have to use shortened guides with this kit unless you go over 0.410" intake valve lift and 0.350" exhaust valve lift. Spring can handle 0.435" intake lift, 0.380" exhaust lift. Price Per Set (4).						
Valve Spring Kit With Titanium Retainers						<b>VC-H46</b>
Kit includes performance dual springs, Titanium retainers, and bottom cups. OK to .500" valve lift. Recommend using with Titanium valves. Price Per Set (4).						
Valve Spring Kit With Titanium Retainers						<b>VC-H15</b>
Kit includes performance dual PSI springs, Titanium retainers, and bottoms. OK to 0.500" valve lift. Price Per Set (4).						
Valves, Stainless Intake Size						<b>IV-H15</b>
Standard size 36 mm, +1 mm OS for the 450 X (05-09). Price (Each).						
Valves, Stainless Intake Oversized						<b>IV-H19</b>
Oversized +2 mm to 38 mm, +3 mm OS for the 450 X (05-09). Price (Each).						
Valves, Stainless Intake Oversized						<b>IV-H16</b>
Oversized +1 mm to 37 mm, +2 mm OS for the 450 X (05-09). Price (Each).						
Valves, Stainless Exhaust Size						<b>EV-H15</b>
Standard Size 31 mm for CRF 450 R (02-06), +1 mm oversize for CRF 450 R (07-08), CRF 450 X (05-09), TRX 450 ER (06-09), TRX 450 R (06-09). Price (Each).						

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
Valves, Stainless Exhaust Oversized Oversized +1 mm to 32 mm for CRF 450 R (02-06), +2 mm oversize for CRF 450 R (07-08), CRF 450 X (05-09), TRX 450 ER (06-09), TRX 450 R (06-09). Price (Each).						EV-H16
Valve Guide, Shortened .120" Intake Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Must use for lifts above 0.385". Custom sizes available +.001, +.002, +.004, +.010. Price (Each).						VG-H07-I
Valve Guide, Shortened .095" Exhaust Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Must use for lifts above 0.385". Custom sizes available +.001, +.002, +.004, +.010. Price (Each).						VG-H07-E
PRO Billet Cam Carrier, with 31mm Tappets Our new PRO Series CNC machined billet cam carrier, includes two 31 mm intake tappets. Note: Must be used with our special longer cam billet. Custom grinding available. Fits up to a .500 valve lift profile. Check ALL clearances!						BC-000

## Honda CRF 450 R (2007) SOHC 4v

.355/.342	282°/298°	258°/262°	943/921	N/A	N/A	57-132
Bolt in profile increases overall performance throughout RPM range.						
.400/.350	282°/288°	256°/252°	961/962	N/A	N/A	57-262
Performance profile designed to increase mid and upper end. Check ALL clearances!						
.400/.360	268°/280°	242°/245°	1043/1044	N/A	N/A	57-772
Excellent throttle response and torque. Works well for Supercross, Freestyle and short track Super Motard applications.						
.408/.342	282°/298°	258°/262°	208/921	N/A	N/A	57-282
Race profile. Works well for TT, Super Motard or MX. Requires Exhaust System, High Compression Piston, Larger Diameter Followers, Shortened Valve Guides, and Performance Valve Spring Kit.						
.415/.342	276°/288°	252°/252°	493/729	N/A	N/A	57-142
Performance profile designed to increase mid and upper end. Requires Exhaust System, High Compression Piston, Larger Diameter Followers, Shortened Valve Guides, and Performance Valve Spring Kit.						
.418/.342	284°/298°	261°/262°	242/921	N/A	N/A	57-762
Race profile designed to increase mid and upper end performance. Requires Exhaust System, High Compression Piston, Larger Diameter Followers, Shortened Valve Guides, and Performance Valve Spring Kit. Check ALL clearances!						
.415/.410	276°/276°	252°/248°	493/739	N/A	N/A	57-272
High lift, short duration racing profile. Excellent throttle response. Requires High Compression Piston, Performance Valve Spring Kit, Shortened Valve Guides, and Larger Diameter Followers. Check ALL clearances!						
Buckets, Shim Under Intake Oversized Oversized to 28 mm shim under intake tappets. Machining required. Fits all models TRX / CRF 450 engines. Check to make sure thrust on cam does not interfere with oversized tappet, if it does you will need to modify thrust surface on cam for proper fit. Check ALL clearances! Price Per Set (2).						CF-H01
Buckets, Shim Under Intake Oversized WPC Coated Recommend to use for extreme racing conditions. WPC Coated Oversized to 28 mm shim under intake tappets. Machining required. Check to make sure thrust on cam does not interfere with oversized tappet, if it does you will need to modify thrust surface on cam for proper fit. Fits all models TRX / CRF 450 engines. Check ALL clearances! Price Per Set (2).						CF-H02
Chain Tensioner, Manual CNC machined from billet alloy to exact tolerances for perfect fit.						CT-H04
Valve Spring Kit With Aluminum Retainers Kit includes performance dual PSI springs, aluminum retainers, and bottom cups. OK to .500" valve lift. Price Per Set (4).						VC-H72
Valve Spring Kit With Titanium Retainers Kit includes performance dual springs and Titanium retainers. OK up to 0.440" valve lift. Check ALL clearances! Price Per Set (4).						VC-H74

<b>VALVE LIFT</b>	<b>DURATION</b>	<b>DURATION @.050</b>	<b>GRIND NUMBER</b>	<b>REGRIND</b>	<b>HARD WELD</b>	<b>NEW CAM</b>
Valve Spring Kit With Titanium Retainers (High Rev)						<b>VC-H97</b>
Kit includes performance single springs and Titanium retainers. Recommend for Flat Track use and Hi-Rev applications. OK up to 12,000 RPM. You do not have to use shortened guides with this kit unless you go over 0.410" intake valve lift and 0.350" exhaust valve lift. Spring can handle 0.435" intake lift, 0.380" exhaust lift. Price Per Set (4).						
Valve Spring Kit With Titanium Retainers						<b>VC-H46</b>
Kit includes performance dual springs, Titanium retainers, and bottom cups. OK to .500" valve lift. Recommend using with Titanium valves. Price Per Set (4).						
Valve Spring Kit With Titanium Retainers						<b>VC-H15</b>
Kit includes performance dual PSI springs, Titanium retainers, and bottoms. OK to 0.500" valve lift. Price Per Set (4).						
Valves, Stainless Intake Size						<b>IV-H15</b>
Standard size 36 mm, +1 mm OS for the 450 X (05-09). Price (Each).						
Valves, Stainless Intake Oversized						<b>IV-H19</b>
Oversized +2 mm to 38 mm, +3 mm OS for the 450 X (05-09). Price (Each).						
Valves, Stainless Intake Oversized						<b>IV-H16</b>
Oversized +1 mm to 37 mm, +2 mm OS for the 450 X (05-09). Price (Each).						
Valves, Stainless Exhaust Standard Size						<b>EV-H07</b>
Standard size 30 mm. Price (Each).						
Valves, Stainless Exhaust Size						<b>EV-H15</b>
Standard Size 31 mm for CRF 450 R (02-06), +1 mm oversize for CRF 450 R (07-08), CRF 450 X (05-09), TRX 450 ER (06-09), TRX 450 R (06-09). Price (Each).						
Valves, Stainless Exhaust Oversized						<b>EV-H16</b>
Oversized +1 mm to 32 mm for CRF 450 R (02-06), +2 mm oversize for CRF 450 R (07-08), CRF 450 X (05-09), TRX 450 ER (06-09), TRX 450 R (06-09). Price (Each).						
Valve Guide, Shortened .120" Intake Standard Size						<b>VG-H07-I</b>
Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Must use for lifts above 0.385". Custom sizes available +.001, +.002, +.004, +.010. Price (Each).						
Valve Guide, Shortened .095" Exhaust Standard Size						<b>VG-H07-E</b>
Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Must use for lifts above 0.385". Custom sizes available +.001, +.002, +.004, +.010. Price (Each).						
PRO Billet Cam Carrier, with 31mm Tappets						<b>BC-000</b>
Our new PRO Series CNC machined billet cam carrier, includes two 31 mm intake tappets. Note: Must be used with our special longer cam billet. Custom grinding available. Fits up to a .500 valve lift profile. Check ALL clearances!						

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
<b>Honda CRF 450 R (2008) SOHC 4v</b>						
.355/.342	282°/298°	258°/262°	943/921	N/A	N/A	<b>57-372</b>
Bolt in profile increases overall performance throughout RPM range.						
.400/.342	282°/288°	256°/252°	961/962	N/A	N/A	<b>57-492</b>
Performance profile designed to increase mid and upper end. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances!						
.408/.342	282°/298°	258°/262°	208/921	N/A	N/A	<b>57-502</b>
Race profile. Works well for TT, Super Motard or MX. Requires Exhaust System, High Compression Piston, Larger Diameter Followers, Shortened Valve Guides, and Performance Valve Spring Kit.						
.415/.342	276°/288°	252°/252°	493/729	N/A	N/A	<b>57-592</b>
Performance profile designed to increase mid and upper end. Requires Exhaust System, High Compression Piston, Larger Diameter Followers, Shortened Valve Guides, and Performance Valve Spring Kit.						
.415/.410	276°/276°	252°/248°	493/739	N/A	N/A	<b>57-542</b>
High lift, short duration racing profile. Excellent throttle response. Requires High Compression Piston, Performance Valve Spring Kit, Shortened Valve Guides, and Larger Diameter Followers. Check ALL clearances!						
.418/.342	284°/298°	261°/262°	242/921	N/A	N/A	<b>57-802</b>
Race profile designed for extreme acceleration with added mid and upper end performance. Requires Exhaust System, High Compression Piston, Larger Diameter Followers, Shortened Valve Guides, and Performance Valve Spring Kit. Check ALL clearances!						
Buckets, Shim Under Intake Oversized WPC Coated						<b>CF-H02</b>
Recommend to use for extreme racing conditions. WPC Coated Oversized to 28 mm shim under intake tappets. Machining required. Check to make sure thrust on cam does not interfere with oversized tappet, if it does you will need to modify thrust surface on cam for proper fit. Fits all models TRX / CRF 450 engines. Check ALL clearances! Price Per Set (2).						
Chain Tensioner, Manual						<b>CT-H04</b>
CNC machined from billet alloy to exact tolerances for perfect fit.						
Valve Spring Kit With Aluminum Retainers						<b>VC-H72</b>
Kit includes performance dual PSI springs, aluminum retainers, and bottom cups. OK to .500" valve lift. Price Per Set (4).						
Valve Spring Kit With Titanium Retainers						<b>VC-H74</b>
Kit includes performance dual springs and Titanium retainers. OK up to 0.440" valve lift. Check ALL clearances! Price Per Set (4).						
Valve Spring Kit With Titanium Retainers (High Rev)						<b>VC-H97</b>
Kit includes performance single springs and Titanium retainers. Recommend for Flat Track use and Hi-Rev applications. OK up to 12,000 RPM. You do not have to use shortened guides with this kit unless you go over 0.410" intake valve lift and 0.350" exhaust valve lift. Spring can handle 0.435" intake lift, 0.380" exhaust lift. Price Per Set (4).						
Valve Spring Kit With Titanium Retainers						<b>VC-H46</b>
Kit includes performance dual springs, Titanium retainers, and bottom cups. OK to .500" valve lift. Recommend using with Titanium valves. Price Per Set (4).						
Valve Spring Kit With Titanium Retainers						<b>VC-H15</b>
Kit includes performance dual PSI springs, Titanium retainers, and bottoms. OK to 0.500" valve lift. Price Per Set (4).						
Valves, Stainless Intake Size						<b>IV-H15</b>
Standard size 36 mm, +1 mm OS for the 450 X (05-09). Price (Each).						
Valves, Stainless Intake Oversized						<b>IV-H19</b>
Oversized +2 mm to 38 mm, +3 mm OS for the 450 X (05-09). Price (Each).						
Valves, Stainless Intake Oversized						<b>IV-H16</b>
Oversized +1 mm to 37 mm, +2 mm OS for the 450 X (05-09). Price (Each).						
Valves, Stainless Exhaust Standard Size						<b>EV-H07</b>
Standard size 30 mm. Price (Each).						

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
Valves, Stainless Exhaust Size Standard Size 31 mm for CRF 450 R (02-06), +1 mm oversize for CRF 450 R (07-08), CRF 450 X (05-09), TRX 450 ER (06-09), TRX 450 R (06-09). Price (Each).						EV-H15
Valves, Stainless Exhaust Oversized Oversized +1 mm to 32 mm for CRF 450 R (02-06), +2 mm oversize for CRF 450 R (07-08), CRF 450 X (05-09), TRX 450 ER (06-09), TRX 450 R (06-09). Price (Each).						EV-H16
Valve Guide, Shortened .120" Intake Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Must use for lifts above 0.385". Custom sizes available +.001, +.002, +.004, +.010. Price (Each).						VG-H07-I
Valve Guide, Shortened .095" Exhaust Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Must use for lifts above 0.385". Custom sizes available +.001, +.002, +.004, +.010. Price (Each).						VG-H07-E
PRO Billet Cam Carrier, with 31mm Tappets Our new PRO Series CNC machined billet cam carrier, includes two 31 mm intake tappets. Note: Must be used with our special longer cam billet. Custom grinding available. Fits up to a .500 valve lift profile. Check ALL clearances!						BC-000
<b>Honda CRF 450 R (2009) SOHC 4v</b>						
.388/.344	268°/275°	244°/244°	813/746	N/A	N/A	57-812 High lift short duration profile to increase throttle response. Works great for torque applications. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit.
.400/.332	282°/279°	256°/243°	961/812	N/A	N/A	57-822 Increases mid and upper end performance. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit.
.408/.317	282°/285°	258°/249°	208/921	N/A	N/A	57-832 Race profile. Works well for TT, Super Motard or MX. Requires Exhaust System, High Compression Piston, Larger Diameter Followers, and Performance Valve Spring Kit. Check ALL clearances!
.415/.332	276°/279°	252°/243°	493/812	N/A	N/A	57-842 High lift short duration racing profile. Requires Exhaust System, High Compression Piston, Larger Diameter Followers, and Performance Valve Spring Kit. Check ALL clearances!
.418/.317	284°/285°	261°/249°	242/921	N/A	N/A	57-852 Race profile designed to increase mid and upper end performance. Works good for TT or Flat Track racing. Requires Exhaust System, High Compression Piston, Larger Diameter Followers, and Performance Valve Spring Kit. Check ALL clearances!
Cam Gear, Adjustable 36 Teeth Conversion kit to replace your current OEM gear. Comes complete with flange, adjustable sprocket, and two bolts. Can be used with all WEB CAM'S profiles for precise engine tuning. Price (Each).						CG-H17
Cam Gear, Adjustable 36 Teeth Adjustable gear only. For use if you already have a flange pressed on your cam. Can be used with all WEB CAM profiles for precise engine tuning. Price (Each).						CG-H14
Buckets, Shim Under Intake Oversized Oversized to 28 mm shim under intake tappets. Machining required. Fits all models TRX / CRF 450 engines. Check to make sure thrust on cam does not interfere with oversized tappet, if it does you will need to modify thrust surface on cam for proper fit. Check ALL clearances! Price Per Set (2).						CF-H01
Buckets, Shim Under Intake Oversized WPC Coated Recommend to use for extreme racing conditions. WPC Coated Oversized to 28 mm shim under intake tappets. Machining required. Check to make sure thrust on cam does not interfere with oversized tappet, if it does you will need to modify thrust surface on cam for proper fit. Fits all models TRX / CRF 450 engines. Check ALL clearances! Price Per Set (2).						CF-H02
Chain Tensioner, Manual CNC machined from billet alloy to exact tolerances for perfect fit.						CT-H04

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
Valve Spring Kit With Titanium Retainers Kit includes performance dual springs Titanium retainers and lower collars. OK to .440" valve lift. Price Per Set (4).						VC-H34
Valve Spring Kit With Titanium Retainers Kit includes performance dual PSI springs, Titanium retainers, and bottom cups. OK to .450 valve lift. Price Per Set (4).						VC-H69
Valves, Stainless Intake Standard Size Standard size 36 mm. Price (Each).						IV-H22
Valves, Stainless Intake Oversized +1 mm Oversized to 37 mm. Price (Each).						IV-H23
Valves, Stainless Intake Oversized +2 mm Oversized to 38 mm. Price (Each).						IV-H24
Valves, Stainless Exhaust Standard Size Standard size 30 mm. Price (Each).						EV-H22
Valves, Stainless Exhaust Oversized +1 mm Oversized to 31 mm. Price (Each).						EV-H23
Valves, Stainless Exhaust Oversized +2 mm Oversized to 32 mm. Price (Each).						EV-H32
Valve Guide, Shortened .070" Intake Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010 Price (Each).						VG-H15
Valve Guide, Shortened .100" Exhaust Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010 Price (Each).						VG-H16

If you wish to have a flange pressed on instead of a stock gear, please advise at the time of ordering.  
The new flange will allow for you to use an adjustable cam gear see part number CG-H14.

## Honda CRF 450 R (2010) SOHC 4v

.408/.317	282°/285°	258°/249°	208/921	N/A	N/A	57-992
Racing profile for top end applications. Requires Exhaust System, High Compression Piston, Larger Diameter Followers, and Performance Valve Spring Kit. Check ALL clearances!						
.400/.333	268°/265°	242°/230°	1043/1044	N/A	N/A	57-962
High lift short duration profile to increase throttle response. Requires Exhaust System, and Performance Valve Spring Kit.						
.400/.331	282°/279°	256°/243°	961/812	N/A	N/A	57-972
Performance profile designed to increase mid and upper end. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances!						
.408/.331	282°/279°	258°/243°	208/812	N/A	N/A	57-982
Performance profile designed to increase mid and upper end. Requires Exhaust System, High Compression Piston, Performance Valve Spring Kit, and Larger Diameter Followers. Check ALL clearances!						
.415/.317	276°/281°	252°/243°	493/1081	N/A	N/A	59-002
Performance profile designed to increase mid and upper end. Good for TT and motocross applications. Requires Exhaust System, High Compression Piston, Larger Diameter Followers, and Performance Valve Spring Kit. Check ALL clearances!						
.418/.317	284°/285°	261°/249°	242/921	N/A	N/A	59-012
Race profile designed for flat track. Requires Exhaust System, High Compression Piston, Larger Diameter Followers, and Performance Valve Spring Kit. Check ALL clearances!						
Cam Gear, Adjustable 36 Teeth						CG-H17
Conversion kit to replace your current OEM gear. Comes complete with flange, adjustable sprocket, and two bolts. Can be used with all WEB CAM'S profiles for precise engine tuning. Price (Each).						

<b>VALVE LIFT</b>	<b>DURATION</b>	<b>DURATION @.050</b>	<b>GRIND NUMBER</b>	<b>REGRIND</b>	<b>HARD WELD</b>	<b>NEW CAM</b>
Cam Gear, Adjustable 36 Teeth Adjustable gear only. For use if you already have a flange pressed on your cam. Can be used with all WEB CAM profiles for precise engine tuning. Price (Each).						<b>CG-H14</b>
Buckets, Shim Under Intake Oversized Oversized to 28 mm shim under intake tappets. Machining required. Fits all models TRX / CRF 450 engines. Check to make sure thrust on cam does not interfere with oversized tappet, if it does you will need to modify thrust surface on cam for proper fit. Check ALL clearances! Price Per Set (2).						<b>CF-H01</b>
Buckets, Shim Under Intake Oversized WPC Coated Recommend to use for extreme racing conditions. WPC Coated Oversized to 28 mm shim under intake tappets. Machining required. Check to make sure thrust on cam does not interfere with oversized tappet, if it does you will need to modify thrust surface on cam for proper fit. Fits all models TRX / CRF 450 engines. Check ALL clearances! Price Per Set (2).						<b>CF-H02</b>
Chain Tensioner, Manual CNC machined from billet alloy to exact tolerances for perfect fit.						<b>CT-H04</b>
Valve Spring Kit With Titanium Retainers Kit includes performance dual springs Titanium retainers and lower collars. OK to .440" valve lift. Price Per Set (4).						<b>VC-H34</b>
Valve Spring Kit With Titanium Retainers Kit includes performance dual PSI springs, Titanium retainers, and bottom cups. OK to .450 valve lift. Price Per Set (4).						<b>VC-H69</b>
Valves, Stainless Intake Standard Size Standard size 36 mm. Price (Each).						<b>IV-H22</b>
Valves, Stainless Intake Oversized +1 mm Oversized to 37 mm. Price (Each).						<b>IV-H23</b>
Valves, Stainless Intake Oversized +2 mm Oversized to 38 mm. Price (Each).						<b>IV-H24</b>
Valves, Stainless Exhaust Standard Size Standard size 30 mm. Price (Each).						<b>EV-H22</b>
Valves, Stainless Exhaust Oversized +1 mm Oversized to 31 mm. Price (Each).						<b>EV-H23</b>
Valves, Stainless Exhaust Oversized +2 mm Oversized to 32 mm. Price (Each).						<b>EV-H32</b>
Valve Guide, Shortened .070" Intake Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010 Price (Each).						<b>VG-H15</b>
Valve Guide, Shortened .100" Exhaust Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010 Price (Each).						<b>VG-H16</b>

If you wish to have a flange pressed on instead of a stock gear, please advise at the time of ordering.  
The new flange will allow for you to use an adjustable cam gear see part number CG-H14.

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
<b>Honda CRF 450 R (11-12) SOHC 4v</b>						
.408/.317	282°/285°	258°/249°	208/921	N/A	N/A	<b>57-992</b>
Racing profile for top end applications. Requires Exhaust System, High Compression Piston, Larger Diameter Followers, and Performance Valve Spring Kit. Check ALL clearances!						
.400/.333	268°/265°	242°/230°	1043/1044	N/A	N/A	<b>57-962</b>
High lift short duration profile to increase throttle response. Requires Exhaust System, and Performance Valve Spring Kit.						
.400/.331	282°/279°	256°/243°	961/812	N/A	N/A	<b>57-972</b>
Performance profile designed to increase mid and upper end. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances!						
.408/.331	282°/279°	258°/243°	208/812	N/A	N/A	<b>57-982</b>
Performance profile designed to increase mid and upper end. Requires Exhaust System, High Compression Piston, Performance Valve Spring Kit, and Larger Diameter Followers. Check ALL clearances!						
.415/.317	276°/281°	252°/243°	493/1081	N/A	N/A	<b>59-002</b>
Performance profile designed to increase mid and upper end. Good for TT and motocross applications. Requires Exhaust System, High Compression Piston, Larger Diameter Followers, and Performance Valve Spring Kit. Check ALL clearances!						
.418/.317	284°/285°	261°/249°	242/921	N/A	N/A	<b>59-012</b>
Race profile designed for flat track. Requires Exhaust System, High Compression Piston, Larger Diameter Followers, and Performance Valve Spring Kit. Check ALL clearances!						
Cam Gear, Adjustable 36 Teeth						<b>CG-H17</b>
Conversion kit to replace your current OEM gear. Comes complete with flange, adjustable sprocket, and two bolts. Can be used with all WEB CAM'S profiles for precise engine tuning. Price (Each).						
Cam Gear, Adjustable 36 Teeth						<b>CG-H14</b>
Adjustable gear only. For use if you already have a flange pressed on your cam. Can be used with all WEB CAM profiles for precise engine tuning. Price (Each).						
Buckets, Shim Under Intake Oversized						<b>CF-H01</b>
Oversized to 28 mm shim under intake tappets. Machining required. Fits all models TRX / CRF 450 engines. Check to make sure thrust on cam does not interfere with oversized tappet, if it does you will need to modify thrust surface on cam for proper fit. Check ALL clearances! Price Per Set (2).						
Buckets, Shim Under Intake Oversized WPC Coated						<b>CF-H02</b>
Recommend to use for extreme racing conditions. WPC Coated Oversized to 28 mm shim under intake tappets. Machining required. Check to make sure thrust on cam does not interfere with oversized tappet, if it does you will need to modify thrust surface on cam for proper fit. Fits all models TRX / CRF 450 engines. Check ALL clearances! Price Per Set (2).						
Chain Tensioner, Manual						<b>CT-H04</b>
CNC machined from billet alloy to exact tolerances for perfect fit.						
Valve Spring Kit With Titanium Retainers						<b>VC-H34</b>
Kit includes performance dual springs Titanium retainers and lower collars. OK to .440" valve lift. Price Per Set (4).						
Valve Spring Kit With Titanium Retainers						<b>VC-H69</b>
Kit includes performance dual PSI springs, Titanium retainers, and bottom cups. OK to .450 valve lift. Price Per Set (4).						
Valves, Stainless Intake Standard Size						<b>IV-H22</b>
Standard size 36 mm. Price (Each).						
Valves, Stainless Intake Oversized +1 mm						<b>IV-H23</b>
Oversized to 37 mm. Price (Each).						
Valves, Stainless Intake Oversized +2 mm						<b>IV-H24</b>
Oversized to 38 mm. Price (Each).						
Valves, Stainless Exhaust Standard Size						<b>EV-H22</b>
Standard size 30 mm. Price (Each).						

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
Valves, Stainless Exhaust Oversized +1 mm Oversized to 31 mm. Price (Each).						EV-H23
Valves, Stainless Exhaust Oversized +2 mm Oversized to 32 mm. Price (Each).						EV-H32
Valve Guide, Shortened .070" Intake Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010 Price (Each).						VG-H15
Valve Guide, Shortened .100" Exhaust Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010 Price (Each).						VG-H16
<p>If you wish to have a flange pressed on instead of a stock gear, please advise at the time of ordering. The new flange will allow for you to use an adjustable cam gear see part number CG-H14.</p>						
<b>Honda CRF 450 R (2013) SOHC 4v</b>						
.408/.317	282°/285°	258°/249°	208/921	N/A	N/A	57-992
Racing profile for top end applications. Requires Exhaust System, High Compression Piston, Larger Diameter Followers, and Performance Valve Spring Kit. Check ALL clearances!						
.400/.333	268°/265°	242°/230°	1043/1044	N/A	N/A	57-962
High lift short duration profile to increase throttle response. Requires Exhaust System, and Performance Valve Spring Kit.						
.400/.331	282°/279°	256°/243°	961/812	N/A	N/A	57-972
Performance profile designed to increase mid and upper end. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances!						
.408/.331	282°/279°	258°/243°	208/812	N/A	N/A	57-982
Performance profile designed to increase mid and upper end. Requires Exhaust System, High Compression Piston, Performance Valve Spring Kit, and Larger Diameter Followers. Check ALL clearances!						
.415/.317	276°/281°	252°/243°	493/1081	N/A	N/A	59-002
Performance profile designed to increase mid and upper end. Good for TT and motocross applications. Requires Exhaust System, High Compression Piston, Larger Diameter Followers, and Performance Valve Spring Kit. Check ALL clearances!						
.418/.317	284°/285°	261°/249°	242/921	N/A	N/A	59-012
Race profile designed for flat track. Requires Exhaust System, High Compression Piston, Larger Diameter Followers, and Performance Valve Spring Kit. Check ALL clearances!						
Cam Gear, Adjustable 36 Teeth						CG-H17
Conversion kit to replace your current OEM gear. Comes complete with flange, adjustable sprocket, and two bolts. Can be used with all WEB CAM'S profiles for precise engine tuning. Price (Each).						
Cam Gear, Adjustable 36 Teeth						CG-H14
Adjustable gear only. For use if you already have a flange pressed on your cam. Can be used with all WEB CAM profiles for precise engine tuning. Price (Each).						
Buckets, Shim Under Intake Oversized						CF-H01
Oversized to 28 mm shim under intake tappets. Machining required. Fits all models TRX / CRF 450 engines. Check to make sure thrust on cam does not interfere with oversized tappet, if it does you will need to modify thrust surface on cam for proper fit. Check ALL clearances! Price Per Set (2).						
Buckets, Shim Under Intake Oversized WPC Coated						CF-H02
Recommend to use for extreme racing conditions. WPC Coated Oversized to 28 mm shim under intake tappets. Machining required. Check to make sure thrust on cam does not interfere with oversized tappet, if it does you will need to modify thrust surface on cam for proper fit. Fits all models TRX / CRF 450 engines. Check ALL clearances! Price Per Set (2).						
Valves, Stainless Intake Standard Size						IV-H22
Standard size 36 mm. Price (Each).						

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
Valves, Stainless Intake Oversized +1 mm Oversized to 37 mm. Price (Each).						IV-H23
Valves, Stainless Intake Oversized +2 mm Oversized to 38 mm. Price (Each).						IV-H24
Valve Guide, Shortened .070" Intake Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010 Price (Each).						VG-H15
Valve Guide, Shortened .100" Exhaust Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010 Price (Each).						VG-H16

## Honda CRF 450 X (05-07) SOHC 4v

.400/.323	264°/280°	238°/244°	570/993	N/A	N/A	57-512
Performance profile designed to increase overall performance. Excellent throttle response. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit.						
.400/.360	268°/280°	242°/245°	1043/1044	N/A	N/A	57-602
Excellent torque profile to increase overall performance, also works excellent for short track super motard / supercross applications. Requires Performance Valve Spring Kit.						
.400/.350	282°/288°	256°/252°	961/962	N/A	N/A	57-442
Performance profile designed to increase mid and upper end. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit.						
.415/.342	276°/288°	252°/252°	493/729	N/A	N/A	55-462
Performance profile designed to increase mid and upper end. Requires Exhaust System, High Compression Piston, Larger Diameter Followers, Shortened Valve Guides, and Performance Valve Spring Kit.						
.408/.342	282°/298°	258°/262°	208/921	N/A	N/A	57-042
Race profile. Works well for TT, Super Motard or MX. Requires Exhaust System, High Compression Piston, Larger Diameter Followers, Shortened Valve Guides, and Performance Valve Spring Kit.						
.415/.410	276°/276°	252°/248°	493/739	N/A	N/A	55-442
High lift, short duration racing profile. Excellent throttle response. Requires Exhaust System, High Compression Piston, Larger Diameter Followers, Shortened Valve Guides, and Performance Valve Spring Kit. Check ALL clearances!						
.418/.342	284°/298°	261°/262°	242/921	N/A	N/A	57-192
Race profile. A WEB CAM winner! Requires Exhaust System, High Compression Piston, Larger Diameter Followers, Shortened Valve Guides, and Performance Valve Spring Kit. Check ALL clearances!						
.432/.350	292°/294°	260°/255°	415/416	N/A	N/A	57-072
The "MYSTO" cam designed for race use ONLY. Works good for big bore applications. Requires Exhaust System, High Compression Piston, Larger Diameter Followers, Shortened Valve Guides, and Performance Valve Spring Kit. Check ALL clearances!						
Buckets, Shim Under Intake Oversized						CF-H01
Oversized to 28 mm shim under intake tappets. Machining required. Fits all models TRX / CRF 450 engines. Check to make sure thrust on cam does not interfere with oversized tappet, if it does you will need to modify thrust surface on cam for proper fit. Check ALL clearances! Price Per Set (2).						
Buckets, Shim Under Intake Oversized WPC Coated						CF-H02
Recommend to use for extreme racing conditions. WPC Coated Oversized to 28 mm shim under intake tappets. Machining required. Check to make sure thrust on cam does not interfere with oversized tappet, if it does you will need to modify thrust surface on cam for proper fit. Fits all models TRX / CRF 450 engines. Check ALL clearances! Price Per Set (2).						
Chain Tensioner, Manual						CT-H04
CNC machined from billet alloy to exact tolerances for perfect fit.						

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
Valve Spring Kit With Titanium Retainers Kit includes performance dual springs and Titanium retainers. OK up to 0.440" valve lift. Check ALL clearances! Price Per Set (4).						VC-H74
Valve Spring Kit With Titanium Retainers (High Rev) Kit includes performance single springs and Titanium retainers. Recommend for Flat Track use and Hi-Rev applications. OK up to 12,000 RPM. You do not have to use shortened guides with this kit unless you go over 0.410" intake valve lift and 0.350" exhaust valve lift. Spring can handle 0.435" intake lift, 0.380" exhaust lift. Price Per Set (4).						VC-H97
Valves, Stainless Intake Standard Size Standard size 35 mm. Fits 450 X (05-09). Price (Each).						IV-H32
Valves, Stainless Intake Size Standard size 36 mm, +1 mm OS for the 450 X (05-09). Price (Each).						IV-H15
Valves, Stainless Intake Oversized Oversized +2 mm to 38 mm, +3 mm OS for the 450 X (05-09). Price (Each).						IV-H19
Valves, Stainless Intake Oversized Oversized +1 mm to 37 mm, +2 mm OS for the 450 X (05-09). Price (Each).						IV-H16
Valves, Stainless Exhaust Standard Size Standard size 30 mm. Price (Each).						EV-H07
Valves, Stainless Exhaust Size Standard Size 31 mm for CRF 450 R (02-06), +1 mm oversize for CRF 450 R (07-08), CRF 450 X (05-09), TRX 450 ER (06-09), TRX 450 R (06-09). Price (Each).						EV-H15
Valves, Stainless Exhaust Oversized Oversized +1 mm to 32 mm for CRF 450 R (02-06), +2 mm oversize for CRF 450 R (07-08), CRF 450 X (05-09), TRX 450 ER (06-09), TRX 450 R (06-09). Price (Each).						EV-H16
PRO Billet Cam Carrier, with 31mm Tappets Our new PRO Series CNC machined billet cam carrier, includes two 31 mm intake tappets. Note: Must be used with our special longer cam billet. Custom grinding available. Fits up to a .500 valve lift profile. Check ALL clearances!						BC-000

## Honda CRF 450 X (08-09) SOHC 4v

Valves, Stainless Intake Standard Size Standard size 35 mm. Fits 450 X (05-09). Price (Each).						IV-H32
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## Honda CRF 50 F (04-12) SOHC 2v

.160/.160	248°/246°	210°/206°	25	N/A	55-271	N/A
Performance profile designed to increase overall performance. Requires High Compression Piston.						
.227/.227	242°/240°	210°/206°	228	N/A	57-461	57-462
High lift profile designed to increase overall performance. Requires High Compression Piston. Check ALL clearances!						
Cam Core Please specify year and model when ordering. Price (Each).						CC-H22
Valve Springs Only Performance dual valve springs. Stock retainers OK.						VS-H04

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
<b>Honda CRF 70 F (04-12) SOHC 2v</b>						
.244/.244	260°/258°	230°/232°	98mc	N/A	55-141	N/A
Performance profile designed to increase overall performance. Requires High Compression Piston.						
.278/.278	244°/242°	218°/221°	67	N/A	N/A	57-472
Performance profile designed to increase overall performance.						
Cam Core Please specify year and model when ordering. Price (Each).						CC-H21
<b>Honda CRF 80 F (04-13) SOHC 2v</b>						
.285/.285	265°/268°	222°/233°	68	N/A	55-081	N/A
Good all around cam with broad power range for stock engines. Check ALL clearances!						
.275/.285	282°/268°	236°/230°	69/68	N/A	55-091	55-092
Strong mid and upper end performance. Requires Exhaust System, High Compression Piston / Big Bore, and Performance Valve Spring Kit. Check ALL clearances!						
.330/.330	300°/290°	242°/235°	358c/358b	N/A	55-101	N/A
Explosive mid and upper end power for motocross and flat track. Use for racing engines only. Requires Exhaust System, High Compression Piston / Big Bore, and Performance Valve Spring Kit. Check ALL clearances!						
Cam Core Please specify year and model when ordering. New cam is sold outright. No core required. Price (Each).						CC-H06
Valve Spring Kit With Aluminum Retainers Kit includes performance dual springs, Aluminum retainers bottom cups, and shims. OK to .325" valve lift. Price Per Set (2).						VC-H7X
Valve Spring Kit With Titanium Retainers Kit includes performance dual springs and Titanium retainers. OK to .360" valve lift. Price Per Set (2).						VC-H06
Valves, Stainless Intake Standard Size Standard size 24 mm. Price (Each).						IV-H25
Valves, Stainless Intake Oversized +2 mm Oversized to 26 mm. Price (Each).						IV-H26
Valves, Stainless Exhaust Standard Size Standard size 20.5 mm. Price (Each).						EV-H33
Valves, Stainless Exhaust Oversized +2 mm Oversized to 22 mm. Price (Each).						EV-H34
Valve Guide, Shortened .145" Intake Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Price (Each).						VG-H12-I
Valve Guide, Shortened .170" Exhaust Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Price (Each).						VG-H12-E

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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### Honda CT / C 70 (76-81) SOHC 2v

.220/.220	250°/250°	230°/230°	315	N/A	55-001	N/A
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Good all around profile for stock or modified engines.

.270/.270	265°/265°	243°/243°	3	N/A	55-011	N/A
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Strong mid and upper end performance. Use in well prepared engines. Requires Performance Valve Spring Kit.

.290/.290	278°/278°	254°/254°	69	N/A	55-021	N/A
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Top end profile for racing engines. Requires High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances!

Cam Core CC-H00  
Please specify year and model when ordering. Price (Each).

Valve Spring Kit With Aluminum Retainers VC-H70  
Kit includes performance dual springs and Aluminum retainers. OK to .350" valve lift. Price Per Set (2).

### Honda CT / C 70 (82-83) SOHC 2v

			605	N/A	59-151	N/A
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Performance profile designed to increase overall power.

			605+2.5°(5°)	N/A	59-221	N/A
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Increases mid and upper end power. Requires Exhaust System, and High Compression Piston. Check ALL clearances!

### Honda CT / C 70 (91-94) SOHC 2v

.244/.244	260°/258°	230°/232°	98mc	N/A	55-141	N/A
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Performance profile designed to increase overall performance. Requires High Compression Piston.

.278/.278	244°/242°	218°/221°	67	N/A	N/A	57-472
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Performance profile designed to increase overall performance.

Cam Core CC-H21  
Please specify year and model when ordering. Price (Each).

### Honda CX 500 4v

Rocker Arm Hard Chrome HR-H22  
We will re-chrome and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).

Custom cam grinding is available for this model, please call us directly for more details.

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
<b>Honda FT 500 (82-83) SOHC 4v</b>						
.360/.360	258°/258°	238°/238°	402	N/A	55-251	N/A
Very broad power band for stock or modified engines.						
.372/.372	268°/268°	248°/248°	40b	N/A	55-261	N/A
Strong mid and upper end performance. Use in well prepared engines. Requires Performance Valve Spring Kit with Shortened Valve Guides.						
.390/.390	270°/270°	250°/250°	89a	N/A	55-471	N/A
Designed for racing engines. Requires Performance Valve Spring Kit with Shortened Valve Guides. Check ALL clearances!						
Cam Core						CC-H09
Please specify year and model when ordering. Price (Each).						
Rocker Arm Hardwelded						HR-H02
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).						
Rocker Arm, Core						RC-H02
Please specify year and model when ordering. Price (Each).						
Valve Spring Kit With Titanium Retainers & shortened guides						VC-H44
Kit includes performance dual springs, titanium retainers, valve guides, HT Bottoms, and shims. Fits XR / XL/ FT 500. Price Per Set (4). Price Per Set (4).						
Valve Spring Kit With Titanium Retainers						VC-H43
Kit includes performance dual springs, titanium retainers, HT bottoms, and shims. Fits XR / XL / FT 500. Price Per Set (4). Price Per Set (4).						

## Honda GL 1000 (76-77) SOHC 8v

.380/.380	268°/268°	246°/246°	91	57-390	N/A	N/A
Performance profile designed to increase overall performance. Cams have a reduced base circle.						
.380/.380	278°/278°	256°/256°	91a	57-400	N/A	N/A
Performance profile designed to increase mid and upper end. Cams have a reduced base circle.						

## Honda GL 1000 (78-79) SOHC 8v

.380/.380	268°/268°	246°/246°	91	57-390	N/A	N/A
Performance profile designed to increase overall performance. Cams have a reduced base circle.						
.380/.380	278°/278°	256°/256°	91a	57-400	N/A	N/A
Performance profile designed to increase mid and upper end. Cams have a reduced base circle.						

## Honda NT 650 Hawk (88-91) SOHC 6v

.360/.360	268°/268°	245°/245°	470	N/A	55-611	N/A
Bolt in performance profile for stock engines. Price Per Set (2).						
.383/.400	285°/290°	260°/266°	257/456	N/A	55-691	N/A
Road race profile. Requires High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).						
Valve Spring Kit With Titanium Retainers						VC-H68
Kit includes performance dual springs and Titanium retainers. OK to .500" valve lift. Price Per Set (6).						

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Honda Passport C 70 (82-83) SOHC 2v

			605	N/A	59-151	N/A
Performance profile designed to increase overall power.						
			605+2.5°(5°)	N/A	59-221	N/A
Increases mid and upper end power. Requires Exhaust System, and High Compression Piston. Check ALL clearances!						

## Honda Silverwing Scooter 600 (02-11) DOHC 8v

.297/.303	252°/245°	230°/217°	642/2	N/A	59-041	N/A
Performance profile designed to increase overall power. Requires Exhaust System. Price Per Set (2).						
.317/.303	264°/250°	236°/223°	568/567	N/A	50-061	N/A
Designed to increase mid and upper end performance. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						

## Honda SL 100 SOHC 2v

Rocker Arm Hardwelded						HR-H28
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).						

Custom cam grinding is available for this model, please call us directly for more details.

## Honda SL 125 SOHC 2v

Rocker Arm Hardwelded						HR-H28
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).						

Custom cam grinding is available for this model, please call us directly for more details.

## Honda TR 200 (86-87) SOHC 2v

.345/.350	264°/264°	240°/240°	245	N/A	55-791	N/A
Bolt in profile increases overall performance throughout RPM range.						
.354/.354	276°/276°	252°/252°	236	N/A	55-801	N/A
Good mid and upper end performance. Requires Performance Valve Spring Kit.						
.392/.392	284°/284°	260°/260°	213	N/A	55-811	N/A
Race profile designed to increase mid and upper end performance. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit.						

Cam Core						CC-H07
Please specify year and model when ordering. Price (Each).						

Rocker Arm Hardwelded						HR-H24
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).						

Valve Spring Kit With CrMo Retainers						VC-H2X
Kit includes performance dual springs, Chrome Moly retainers, and shims. OK to .450" valve lift. Price Per Set (2).						

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Honda V 45 DOHC 16v

.360/.360	256°/256°	234°/234°	2	N/A	55-651	N/A
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Bolt in profile increases overall power throughout RPM range. Price Per Set (4).

.370/.370	264°/264°	240°/240°	236	N/A	55-821	N/A
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Strong mid and upper end performance for hot street or racing engines. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (4).

Rocker Arm Hardwelded HR-H17  
 We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).

Valve Spring Kit With Titanium Retainers VC-H85  
 Kit includes performance dual springs, Titanium retainers, bottom cups, and shims. OK to .400" valve lift. Fits V-45 only. Price Per Set (16).

## Honda V 65 DOHC 16v

.360/.360	256°/256°	234°/234°	2	N/A	55-651	N/A
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Bolt in profile increases overall power throughout RPM range. Price Per Set (4).

.370/.370	264°/264°	240°/240°	236	N/A	55-821	N/A
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Strong mid and upper end performance for hot street or racing engines. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (4).

Rocker Arm Hardwelded HR-H17  
 We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).

## Honda Valkyrie (97-03) SOHC 12v

.330/.330	256°/246°	228°/220°	98mc/228	N/A	55-921	N/A
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Improves torque for better acceleration with added RPM power. Stock springs OK. Requires Exhaust System. Price Per Set (2).

Cam Core CC-H02  
 Please specify year and model when ordering. Price Per Set (2).

## Honda VF 500 Interceptor (1984) DOHC 16v

Rocker Arm Hardwelded HR-H30  
 We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).

Custom profiles available for this model, please call us direct.

## Honda VF 700 C (1984) DOHC 16v

			1140	N/A	59-021	N/A
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Web Cam will restore your cams back to factory specifications. Price Per Set (4).

Rocker Arm Hardwelded HR-H16  
 We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).

Custom profiles available for this model, please call us directly.

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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### Honda VFR 1000 DOHC 16v

.360/.360	256°/256°	234°/234°	2	N/A	55-651	N/A
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Bolt in profile increases overall power throughout RPM range. Price Per Set (4).

.370/.370	264°/264°	240°/240°	236	N/A	55-821	N/A
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Strong mid and upper end performance for hot street or racing engines. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (4).

Rocker Arm Hardwelded HR-H17  
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).

### Honda VT 1100 Shadow C (98-04) V Twin SOHC 6v

Performance profiles available. Please call for more information. N/A 57-431 N/A

Rocker Arm Hardwelded HR-H07  
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).

### Honda VTR 1000 (98-05) DOHC 8v

.435/.422	288°/286°	260°/260°	125/109	N/A	55-131	N/A
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Performance profile designed to increase overall performance. Requires Performance Valve Spring Kit. Check ALL clearances! Price Per Set (4).

Valve Springs Only VS-H12  
Dual performance valve springs. Stock retainers OK. Can handle up to .490" Valve Lift.

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Honda VTX 1800 R (02-08) SOHC 6v

.402/.378	282°/286°	244°/248°	491/202	N/A	57-011	N/A
Performance profile designed to increase overall performance. Requires Performance Valve Spring Kit. Price Per Set (2).						
Cam Core	Please specify year and model when ordering. Price Per Set (2).					CC-H25
Rocker Arm, Extended Hardwelded	We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).					ER-H05
Valve Spring Kit With Titanium Retainers	Kit includes performance dual springs, Titanium retainers, and bottoms. OK up to 0.450" valve lift. Price Per Set (6).					VC-H09
Valves, Stainless Intake Standard Size	Standard size 36 mm. Price (Each).					IV-H28
Valves, Stainless Intake Oversized +1 mm	Oversized to 37 mm. Price (Each).					IV-H29
Valves, Stainless Exhaust Standard Size	Standard size 45 mm. Price (Each).					EV-H26
Valves, Stainless Exhaust Oversized +1 mm	Oversized to 46 mm. Price (Each).					EV-H27
Valve Guide, Shortened .120" Intake Standard Size	Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Price (Each).					VG-H08
Valve Guide, Shortened .190" Exhaust Standard Size	Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Price (Each).					VG-H09

## Honda XL 125 (75-78) SOHC 2v

			40b	N/A	59-031	N/A
Race profile designed for extreme acceleration with added mid and upper end performance.						
Valve Spring Kit With Aluminum Retainers	Kit includes performance dual springs, Aluminum retainers, bottoms, and shims. OK up to 0.420" valve lift. Fits Honda XL / XR / CB 125 1976-1983. Price Per Set (2).					VC-H17
Valve Spring Kit With Titanium Retainers	Kit includes performance dual springs, Aluminum retainers, bottom cups, and shims. OK up to 0.420" valve lift. Fits Honda XL / XR 125 (1972-1973). One piece head. Price Per Set (2).					VC-H18

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Honda XL 250 (Up To 1976) SOHC 2v

.360/.360	270°/260°	250°/240°	40b/40a	N/A	55-221	N/A
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Good all around profile for stock or modified engines. Very broad power range.

.360/.360	280°/270°	260°/250°	40c/40b	N/A	55-231	N/A
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Strong mid and upper end performance. Use in well prepared engines. Requires High Compression Piston, Performance Valve Spring Kit, and Exhaust System. Check ALL clearances!

.365/.365	290°/280°	268°/258°	358b/358a	N/A	55-241	N/A
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Top end profile for motocross and flat track. Requires Carburetors, Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances!

Rocker Arm Hardwelded **HR-H13**  
 We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Fits XL 250. Price (Each).

Valve Spring Kit With Aluminum Retainers **VC-H35**  
 Kit includes performance dual springs, Aluminum retainers, bottom cups, and shims. OK to .425" valve lift. Price Per Set (2).

## Honda XL 250 (79-82) SOHC 4v

.360/.360	258°/258°	238°/238°	402	N/A	55-251	N/A
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Very broad power band for stock or modified engines.

.372/.372	268°/268°	248°/248°	40b	N/A	55-261	N/A
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Strong mid and upper end performance. Use in well prepared engines. Requires Performance Valve Spring Kit with Shortened Valve Guides.

.390/.390	270°/270°	250°/250°	89a	N/A	55-471	N/A
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Designed for racing engines. Requires Performance Valve Spring Kit with Shortened Valve Guides. Check ALL clearances!

Cam Core **CC-H09**  
 Please specify year and model when ordering. Price (Each).

Rocker Arm Hardwelded **HR-H19**  
 We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).

Valve Spring Kit With Aluminum Retainers Includes Valve Guides **VC-H25**  
 Kit includes performance dual springs, Aluminum retainers, bottom cups, shims, and shortened valve guides. OK to .400" valve lift. Fits XR / XL 250. Price Per Set (4).

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
<b>Honda XL 250 RFVC (84-95) SOHC 4v</b>						
.330/.330	270°/270°	246°/246°	213	N/A	55-661	N/A
Strong mid and upper end performance. Requires Performance Valve Spring Kit.						
.334/.334	260°/260°	238°/238°	402	N/A	55-501	N/A
Powerful mid range for off-road riding. Requires Performance Valve Spring Kit.						
Cam Core Please specify year and model when ordering. Price (Each).						CC-H10
Rocker Arm Hardwelded We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).						HR-H25
Rocker Arm, Core Please specify year and model when ordering. Price (Each).						RC-H11
Valve Spring Kit With Aluminum Retainers Kit includes performance dual springs, Aluminum retainers, bottom cups, and shims. OK to .350" valve lift. Price Per Set (4).						VC-H22
Valve Spring Kit With Titanium Retainers Kit includes performance dual springs, Titanium retainers, bottom cups, and shims. OK to .350" valve lift. Price Per Set (4).						VC-H23

## Honda XL 350 (Up To 1976) SOHC 4v

.360/.360	270°/260°	250°/240°	40b/40a	N/A	55-221	N/A
Good all around profile for stock or modified engines. Very broad power range.						
.360/.360	280°/270°	260°/250°	40c/40b	N/A	55-231	N/A
Strong mid and upper end performance. Use in well prepared engines. Requires High Compression Piston, Performance Valve Spring Kit, and Exhaust System. Check ALL clearances!						
.365/.365	290°/280°	268°/258°	358b/358a	N/A	55-241	N/A
Top end profile for motocross and flat track. Requires Carburetors, Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances!						
Rocker Arm Hardwelded We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Fits XL 350. Price (Each).						HR-H18
Valve Spring Kit With Aluminum Retainers Kit includes performance dual springs, Aluminum retainers, bottom cups, and shims. OK to .425" valve lift. Price Per Set (2).						VC-H35

## Honda XL 350 RFVC (83-85) SOHC 4v

.360/.355	250°/250°	228°/228°	180	N/A	55-631	N/A
Strong mid range performance for off-road riding. Requires Performance Valve Spring Kit.						
.380/.360	256°/256°	238°/238°	402	N/A	55-641	N/A
Strong mid and upper end performance. Requires High Compression Piston, Shortened Valve Guides, and Performance Valve Spring Kit.						
Cam Core Please specify year and model when ordering. Price (Each).						CC-H11
Rocker Arm Hardwelded We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).						HR-H35

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
Valve Springs Only Dual performance valve springs. Stock retainers OK. Price Per Set (4).						VS-H30
Valve Spring Kit With Aluminum Retainers Kit includes performance dual springs, Aluminum retainers, and shims. Use the stock bottom and keepers. OK to .370" valve lift. Price Per Set (4).						VC-H30
Valve Spring Kit With Titanium Retainers & Guides Kit includes performance dual springs, Titanium retainers, bottom cups, shims, and shortened valve guides. OK to .450" valve lift. Price Per Set (4).						VC-H31
<b>Honda XL 500 (79-82) SOHC 4v</b>						
.360/.360 Very broad power band for stock or modified engines.	258°/258°	238°/238°	402	N/A	55-251	N/A
.372/.372 Strong mid and upper end performance. Use in well prepared engines. Requires Performance Valve Spring Kit with Shortened Valve Guides.	268°/268°	248°/248°	40b	N/A	55-261	N/A
.390/.390 Designed for racing engines. Requires Performance Valve Spring Kit with Shortened Valve Guides. Check ALL clearances!	270°/270°	250°/250°	89a	N/A	55-471	N/A
Cam Core Please specify year and model when ordering. Price (Each).						CC-H09
Rocker Arm Hardwelded We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).						HR-H02
Rocker Arm, Core Please specify year and model when ordering. Price (Each).						RC-H02
Valve Spring Kit With CrMo Retainers & Guides Kit includes performance dual springs, Chrome Moly retainers, and valve guides. Fits XR / XL / FT 500. Price Per Set (4).						VC-H50
Valve Spring Kit With Titanium Retainers & shortened guides Kit includes performance dual springs, titanium retainers, valve guides, HT Bottoms, and shims. Fits XR / XL / FT 500. Price Per Set (4). Price Per Set (4).						VC-H44
Valve Spring Kit With Titanium Retainers Kit includes performance dual springs, titanium retainers, HT bottoms, and shims. Fits XR / XL / FT 500. Price Per Set (4). Price Per Set (4).						VC-H43
Valve Guide, Shortened .150" Intake Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Price (Each).						VG-H02-I
Valve Guide, Shortened .150" Exhaust Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Price (Each).						VG-H02-E

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
<b>Honda XL 600 R (83-87) SOHC 4v</b>						
.355/.355	267°/267°	242°/242°	235/236	N/A	57-111	N/A
Bolt in profile increases overall performance throughout RPM range. Excellent torque.						
.370/.370	264°/264°	240°/240°	235	N/A	55-601	N/A
Strong mid and upper end performance. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit.						
.384/.384	272°/272°	248°/248°	213	N/A	55-781	N/A
Powerful mid range and upper RPM. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit.						
Cam Core Please specify year and model when ordering. Price (Each).						CC-H13
Rocker Arm Hardwelded We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).						HR-H50
Valve Spring Kit With CrMo Retainers & Guides Kit includes performance dual springs, Chrome Moly retainers, bottom cups, shims, and shortened valve guides. OK to .480" valve lift. Check ALL clearances! Price Per Set (4).						VC-H55
Valves, Stainless Intake Standard size 36 mm. Price (Each).						IV-H08
Valves, Stainless Exhaust Standard size 31.50 mm. Price (Each).						EV-H08

### Honda XL 75 S (77-79) SOHC 2v

Bolt in performance profile for stock engines.

190 N/A 59-271 N/A

### Honda XL 80 S (80-85) SOHC 2v

Bolt in performance profile for stock engines.

190 N/A 59-271 N/A

### Honda XR 100 (81-03) SOHC 2v

.285/.285 265°/268° 222°/233° 68 N/A 55-081 N/A  
Good all around cam with broad power range for stock engines. Check ALL clearances!

.275/.285 282°/268° 236°/230° 69/68 N/A 55-091 55-092  
Strong mid and upper end performance. Requires Exhaust System, High Compression Piston / Big Bore, and Performance Valve Spring Kit. Check ALL clearances!

.330/.330 300°/290° 242°/235° 358c/358b N/A 55-101 N/A  
Explosive mid and upper end power for motocross and flat track. Use for racing engines only. Requires Exhaust System, High Compression Piston / Big Bore, and Performance Valve Spring Kit. Check ALL clearances!

Cam Core  
Please specify year and model when ordering. New cam is sold outright. No core required. Price (Each).

CC-H06

Valve Spring Kit With Aluminum Retainers  
Kit includes performance dual springs, Aluminum retainers bottom cups, and shims. OK to .325" valve lift. Price Per Set (2).

VC-H7X

<b>VALVE LIFT</b>	<b>DURATION</b>	<b>DURATION @.050</b>	<b>GRIND NUMBER</b>	<b>REGRIND</b>	<b>HARD WELD</b>	<b>NEW CAM</b>
Valve Spring Kit With Titanium Retainers Kit includes performance dual springs and Titanium retainers. OK to .360" valve lift. Price Per Set (2).						<b>VC-H06</b>
Valves, Stainless Intake Standard Size Standard size 24 mm. Price (Each).						<b>IV-H25</b>
Valves, Stainless Intake Oversized +2 mm Oversized to 26 mm. Price (Each).						<b>IV-H26</b>
Valves, Stainless Exhaust Standard Size Standard size 20.5 mm. Price (Each).						<b>EV-H33</b>
Valves, Stainless Exhaust Oversized +2 mm Oversized to 22 mm. Price (Each).						<b>EV-H34</b>
Valve Guide, Shortened .145" Intake Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Price (Each).						<b>VG-H12-I</b>
Valve Guide, Shortened .170" Exhaust Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Price (Each).						<b>VG-H12-E</b>

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
<b>Honda XR 200 (82-02) SOHC 2v</b>						
.340/.340	266°/266°	237°/237°	40b	N/A	55-521	N/A
Good mid and upper end performance for stock engines.						
.362/.362	270°/270°	240°/240°	89a	N/A	55-531	N/A
Good mid and upper end performance. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit.						
.375/.375	280°/280°	250°/250°	214	N/A	55-621	N/A
Broad power range for high compression racing engines. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit.						
.395/.395	288°/288°	262°/262°	172	N/A	55-561	N/A
Broad power range for high compression racing engines. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances!						
.435/.395	288°/288°	262°/262°	232/172	N/A	55-721	N/A
Racing cam designed to take advantage of larger valves and the latest port flow technology. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances!						
Cam Core	Please specify year and model when ordering. Price (Each).					<b>CC-H03</b>
Rocker Arm Hardwelded	We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).					<b>HR-H14</b>
Valve Springs Only	Performance dual valve springs. Stock retainers OK. Can handle up to .500" Valve Lift. Price Per Set (2).					<b>VS-H20</b>
Valve Spring Kit With Aluminum Retainers	Kit includes performance dual springs, aluminum retainers, bottom cups, and shims. OK to .420" valve lift. Price Per Set (2).					<b>VC-H20</b>
Valve Spring Kit With Titanium Retainers	Kit includes performance dual springs and Titanium retainers. OK to .460" valve lift. Price Per Set (2).					<b>VC-H2T</b>
Valves, Stainless Intake Standard Size	Standard size 30 mm. Fits 1981 - 1987 (all). Price (Each).					<b>IV-H13</b>
Valves, Stainless Intake Oversized +1 mm	Oversized to 31 mm. Price (Each).					<b>OV-H14</b>
Valves, Stainless Exhaust Standard Size	Standard size 25 mm. Fits 1981 - 1987 (all). Price (Each).					<b>EV-H14</b>

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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### Honda XR 250 (79-82) SOHC 4v

.360/.360	258°/258°	238°/238°	402	N/A	55-251	N/A
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Very broad power band for stock or modified engines.

.372/.372	268°/268°	248°/248°	40b	N/A	55-261	N/A
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Strong mid and upper end performance. Use in well prepared engines. Requires Performance Valve Spring Kit with Shortened Valve Guides.

.390/.390	270°/270°	250°/250°	89a	N/A	55-471	N/A
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Designed for racing engines. Requires Performance Valve Spring Kit with Shortened Valve Guides. Check ALL clearances!

Cam Core **CC-H09**  
Please specify year and model when ordering. Price (Each).

Rocker Arm Hardwelded **HR-H19**  
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).

Valve Spring Kit With Aluminum Retainers Includes Valve Guides **VC-H25**  
Kit includes performance dual springs, Aluminum retainers, bottom cups, shims, and shortened valve guides. OK to .400" valve lift. Fits XR / XL 250. Price Per Set (4).

### Honda XR 250 RFVC (84-95) SOHC 4v

.330/.330	270°/270°	246°/246°	213	N/A	55-661	N/A
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Strong mid and upper end performance. Requires Performance Valve Spring Kit.

.334/.334	260°/260°	238°/238°	402	N/A	55-501	N/A
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Powerful mid range for off-road riding. Requires Performance Valve Spring Kit.

Cam Core **CC-H10**  
Please specify year and model when ordering. Price (Each).

Rocker Arm Hardwelded **HR-H25**  
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).

Rocker Arm, Core **RC-H11**  
Please specify year and model when ordering. Price (Each).

Valve Spring Kit With Aluminum Retainers **VC-H22**  
Kit includes performance dual springs, Aluminum retainers, bottom cups, and shims. OK to .350" valve lift. Price Per Set (4).

Valve Spring Kit With Titanium Retainers **VC-H23**  
Kit includes performance dual springs, Titanium retainers, bottom cups, and shims. OK to .350" valve lift. Price Per Set (4).

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
<b>Honda XR 250 RFVC (96-04) SOHC 4v</b>						
.320/.320	282°/282°	242°/242°	212	N/A	55-871	N/A
Designed to increase mid and upper end performance. Requires Performance Valve Spring Kit. Check ALL clearances!						
Cam Core	Please specify year and model when ordering. Price (Each).					CC-H15
Rocker Arm Hardwelded	We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).					HR-H26
Rocker Arm, Core	Please specify year and model when ordering. Price (Each).					RC-H12
Valve Springs Only	Dual performance valve springs. Stock retainers OK. Can handle up to .455 valve lift. Price Per Set (4).					VS-H22
Valve Spring Kit With Titanium Retainers	Kit includes performance dual springs Titanium retainers, and lower collars. OK. to .465" valve lift. Price Per Set (4).					VC-H27
Valves, Stainless Intake Standard Size	Standard size 34 mm. Price (Each).					IV-H06
Valves, Stainless Intake Oversized +1 mm	Oversized to 35 mm. Price (Each).					IV-H07
Valves, Stainless Exhaust Standard Size	Standard size 23.50 mm. Price (Each).					EV-H06
Valve Guide, Shortened .100" Standard Size	Made from special Ampco 45 material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Fits intake and exhaust. Price (Each).					VG-H05

## Honda XR 350 RFVC (83-85) SOHC 4v

.360/.355	250°/250°	228°/228°	180	N/A	55-631	N/A
Strong mid range performance for off-road riding. Requires Performance Valve Spring Kit.						
.380/.360	256°/256°	238°/238°	402	N/A	55-641	N/A
Strong mid and upper end performance. Requires High Compression Piston, Shortened Valve Guides, and Performance Valve Spring Kit.						
Cam Core	Please specify year and model when ordering. Price (Each).					CC-H11
Rocker Arm Hardwelded	We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).					HR-H35
Valve Springs Only	Dual performance valve springs. Stock retainers OK. Price Per Set (4).					VS-H30
Valve Spring Kit With Aluminum Retainers	Kit includes performance dual springs, Aluminum retainers, and shims. Use the stock bottom and keepers. OK to .370" valve lift. Price Per Set (4).					VC-H30
Valve Spring Kit With Titanium Retainers & Guides	Kit includes performance dual springs, Titanium retainers, bottom cups, shims, and shortened valve guides. OK to .450" valve lift. Price Per Set (4).					VC-H31

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Honda XR 400 RFVC (96-04) SOHC 4v

.350/.345	280°/280°	256°/256°	450/451	N/A	<b>55-891</b>	N/A
All around performance with added mid and upper end performance. Stock springs OK. NO CORE REQUIRED Requires High Compression Piston, Exhaust System, and Hardwelded Rockers.						
.378/.378	274°/274°	250°/250°	479	N/A	<b>55-961</b>	N/A
Performance profile designed to increase overall performance. NO CORE REQUIRED Requires Performance Valve Spring Kit, Shortened Valve Guides, High Compression Piston, Exhaust System, and Hardwelded Rockers.						
.385/.370	310°/310°	272°/270°	463/9i	N/A	<b>55-911</b>	N/A
Special profile designed for TT / flat track racing engines. NO CORE REQUIRED Requires Performance Valve Spring Kit, Shortened Valve Guides, High Compression Piston, Exhaust System, and Hardwelded Rockers.						

Cam Core Please specify year and model when ordering. Price (Each).	<b>CC-H16</b>
Rocker Arm Hardwelded We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).	<b>HR-H00</b>
Rocker Arm, Core Please specify year and model when ordering. Price (Each).	<b>RC-H16</b>
Valve Spring Kit With Titanium Retainers (PM) Kit includes performance dual springs and Titanium retainers. OK up to 0.460" valve lift. Price Per Set (4).	<b>VC-H04</b>
Valves, Stainless Intake Standard Size Standard size 33 mm. Price (Each).	<b>IV-H04</b>
Valves, Stainless Intake Oversized +1 mm Oversized to 34 mm. Price (Each).	<b>IV-H05</b>
Valves, Stainless Exhaust Standard Size Standard size 29 mm. Price (Each).	<b>EV-H04</b>
Valves, Stainless Exhaust Oversized +1 mm Oversized to 30 mm. Price (Each).	<b>OV-H15</b>
Valve Guide, Shortened .100" Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Fits intake and exhaust. Price (Each).	<b>VG-H04</b>

## Honda XR 50 R (00-03) SOHC 2v

.160/.160	248°/246°	210°/206°	25	N/A	<b>55-271</b>	N/A
Performance profile designed to increase overall performance. Requires High Compression Piston.						
.227/.227	242°/240°	210°/206°	228	N/A	<b>57-461</b>	<b>57-462</b>
High lift profile designed to increase overall performance. Requires High Compression Piston. Check ALL clearances!						
Cam Core Please specify year and model when ordering. Price (Each).	<b>CC-H22</b>					
Valve Springs Only Performance dual valve springs. Stock retainers OK.	<b>VS-H04</b>					

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
<b>Honda XR 500 (79-82) SOHC 4v</b>						
.360/.360	258°/258°	238°/238°	402	N/A	55-251	N/A
Very broad power band for stock or modified engines.						
.372/.372	268°/268°	248°/248°	40b	N/A	55-261	N/A
Strong mid and upper end performance. Use in well prepared engines. Requires Performance Valve Spring Kit with Shortened Valve Guides.						
.390/.390	270°/270°	250°/250°	89a	N/A	55-471	N/A
Designed for racing engines. Requires Performance Valve Spring Kit with Shortened Valve Guides. Check ALL clearances!						
Cam Core						CC-H09
Please specify year and model when ordering. Price (Each).						
Rocker Arm Hardwelded						HR-H02
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).						
Rocker Arm, Core						RC-H02
Please specify year and model when ordering. Price (Each).						
Valve Spring Kit With CrMo Retainers & Guides						VC-H50
Kit includes performance dual springs, Chrome Moly retainers, and valve guides. Fits XR / XL / FT 500. Price Per Set (4).						
Valve Spring Kit With Titanium Retainers & shortened guides						VC-H44
Kit includes performance dual springs, titanium retainers, valve guides, HT Bottoms, and shims. Fits XR / XL/ FT 500. Price Per Set (4). Price Per Set (4).						
Valve Spring Kit With Titanium Retainers						VC-H43
Kit includes performance dual springs, titanium retainers, HT bottoms, and shims. Fits XR / XL / FT 500. Price Per Set (4). Price Per Set (4).						
Valve Guide, Shortened .150" Intake Standard Size						VG-H02-I
Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Price (Each).						
Valve Guide, Shortened .150" Exhaust Standard Size						VG-H02-E
Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Price (Each).						

## Honda XR 500 RFVC (81-84) SOHC 4v

.355/.355	267°/267°	242°/242°	235/236	N/A	57-111	N/A
Bolt in profile increases overall performance throughout RPM range. Excellent torque.						
.370/.370	264°/264°	240°/240°	235	N/A	55-601	N/A
Strong mid and upper end performance. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit.						
.384/.384	272°/272°	248°/248°	213	N/A	55-781	N/A
Powerful mid range and upper RPM. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit.						
Cam Core						CC-H13
Please specify year and model when ordering. Price (Each).						
Rocker Arm Hardwelded						HR-H50
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).						
Valve Spring Kit With CrMo Retainers & Guides						VC-H55
Kit includes performance dual springs, Chrome Moly retainers, bottom cups, shims, and shortened valve guides. OK to .480" valve lift. Check ALL clearances! Price Per Set (4).						

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Honda XR 600 RFVC (83-87) SOHC 4v

.355/.355	267°/267°	242°/242°	235/236	N/A	57-111	N/A
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Bolt in profile increases overall performance throughout RPM range. Excellent torque.

.370/.370	264°/264°	240°/240°	235	N/A	55-601	N/A
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Strong mid and upper end performance. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit.

.384/.384	272°/272°	248°/248°	213	N/A	55-781	N/A
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Powerful mid range and upper RPM. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit.

Cam Core **CC-H13**  
Please specify year and model when ordering. Price (Each).

Rocker Arm Hardwelded **HR-H50**  
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).

Valve Spring Kit With CrMo Retainers & Guides **VC-H55**  
Kit includes performance dual springs, Chrome Moly retainers, bottom cups, shims, and shortened valve guides. OK to .480" valve lift. Check ALL clearances! Price Per Set (4).

Valves, Stainless Intake **IV-H08**  
Standard size 36 mm. Price (Each).

Valves, Stainless Exhaust **EV-H08**  
Standard size 31.50 mm. Price (Each).

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Honda XR 600 RFVC (88-00) SOHC 4v

.355/.355	267°/267°	242°/242°	235/236	N/A	<b>55-761</b>	N/A
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Bolt in profile increases overall performance throughout RPM range. Excellent torque.

.370/.350	280°/280°	256°/256°	450/451	N/A	<b>55-681</b>	N/A
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All around performance with added mid and upper end performance. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit.

.380/.365	280°/274°	256°/248°	213/202	N/A	<b>55-771</b>	N/A
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Performance profile designed to increase mid and upper end. Requires Exhaust System, High Compression Piston, Shortened Valve Guides, and Performance Valve Spring Kit.

.380/.370	295°/295°	265°/265°	240/239	N/A	<b>55-151</b>	N/A
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Special racing cam. Requires Exhaust System, High Compression Piston, Shortened Valve Guides, and Performance Valve Spring Kit. Check ALL clearances!

Cam Core **CC-H12**  
Please specify year and model when ordering. Price (Each).

Rocker Arm Hardwelded **HR-H60**  
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).

Valve Spring Kit With Titanium Retainers **VC-H61**  
Kit includes performance dual springs, Titanium retainers, and shims. OK to .465" valve lift. Price Per Set (4).

Valves, Stainless Intake **IV-H08**  
Standard size 36 mm. Price (Each).

Valves, Stainless Exhaust **EV-H08**  
Standard size 31.50 mm. Price (Each).

Valve Guide, Shortened .095" Standard Size **VG-H06**  
Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Fits intake and exhaust. Price (Each).

## Honda XR 650 R (00-07) SOHC 4v

.378/.365	258°/256°	240°/238°	612/291	N/A	<b>55-291</b>	N/A
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High lift, short duration to increase acceleration with a broad power band. Requires Exhaust System, Performance Valve Spring Kit, and Hardweld rocker highly recommended.

.373/.373	270°/270°	248°/248°	694	N/A	<b>55-311</b>	N/A
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Performance profile designed to increase mid and upper end. Requires Exhaust System, High Compression Piston, Performance Valve Spring Kit, and Hardweld rocker highly recommended.

.374/.387	264°/272°	246°/258°	120/502	N/A	<b>55-321</b>	N/A
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Performance profile designed to increase mid and upper end. Requires Exhaust System, High Compression Piston, Performance Valve Spring Kit, and Hardweld rocker highly recommended.

Cam Core **CC-H24**  
Please specify year and model when ordering. Price (Each).

Rocker Arm Hardwelded **HR-H04**  
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).

Rocker Arm, Core **RC-H03**  
Please specify year and model when ordering. Price (Each).

Valve Spring Kit With Titanium Retainers **VC-H33**  
Kit includes performance dual springs Titanium retainers and base washers. OK to .440 valve lift. Check ALL clearances! Price Per Set (4).

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
Valves, Stainless Intake Standard Size Standard size 37 mm. Price (Each).						IV-H21
Valves, Stainless Intake Oversized +1 mm Oversized to 38 mm. Price (Each).						IV-H27
Valves, Stainless Exhaust Standard Size Standard size 32 mm. Price (Each).						EV-H24
Valves, Stainless Exhaust Oversized +1 mm Oversized to 33 mm. Price (Each).						EV-H25
Valve Guide, Shortened .040" Intake Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Price (Each).						VG-H13-I
Valve Guide, Shortened .040" Exhaust Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Price (Each).						VG-H13-E
<b>Honda XR 650 RFVC (93-13) SOHC 4v</b>						
.355/.355	267°/267°	242°/242°	235/236	N/A	55-761	N/A
Bolt in profile increases overall performance throughout RPM range. Excellent torque.						
.370/.350	280°/280°	256°/256°	450/451	N/A	55-681	N/A
All around performance with added mid and upper end performance. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit.						
.380/.365	280°/274°	256°/248°	213/202	N/A	55-771	N/A
Performance profile designed to increase mid and upper end. Requires Exhaust System, High Compression Piston, Shortened Valve Guides, and Performance Valve Spring Kit.						
.380/.370	295°/295°	265°/265°	240/239	N/A	55-151	N/A
Special racing cam. Requires Exhaust System, High Compression Piston, Shortened Valve Guides, and Performance Valve Spring Kit. Check ALL clearances!						
Cam Core Please specify year and model when ordering. Price (Each).						CC-H12
Rocker Arm Hardwelded We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).						HR-H60
Valve Spring Kit With Titanium Retainers Kit includes performance dual springs, Titanium retainers, and shims. OK to .465" valve lift. Price Per Set (4).						VC-H61
Valves, Stainless Intake Standard size 36 mm. Price (Each).						IV-H08
Valves, Stainless Exhaust Standard size 31.50 mm. Price (Each).						EV-H08
Valve Guide, Shortened .095" Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Fits intake and exhaust. Price (Each).						VG-H06

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Honda XR 70 R (97-03) SOHC 2v

.244/.244	260°/258°	230°/232°	98mc	N/A	55-141	N/A
Performance profile designed to increase overall performance. Requires High Compression Piston.						
.278/.278	244°/242°	218°/221°	67	N/A	N/A	57-472
Performance profile designed to increase overall performance.						
Cam Core Please specify year and model when ordering. Price (Each).						CC-H21

## Honda XR 75 (77-79) SOHC 2v

.285/.285	265°/268°	222°/233°	68	N/A	55-081	N/A
Good all around cam with broad power range for stock engines. Check ALL clearances!						
.275/.285	282°/268°	236°/230°	69/68	N/A	55-091	55-092
Strong mid and upper end performance. Requires Exhaust System, High Compression Piston / Big Bore, and Performance Valve Spring Kit. Check ALL clearances!						
.330/.330	300°/290°	242°/235°	358c/358b	N/A	55-101	N/A
Explosive mid and upper end power for motocross and flat track. Use for racing engines only. Requires Exhaust System, High Compression Piston / Big Bore, and Performance Valve Spring Kit. Check ALL clearances!						
Cam Core Please specify year and model when ordering. New cam is sold outright. No core required. Price (Each).						CC-H06
Valve Spring Kit With Aluminum Retainers Kit includes performance dual springs, Aluminum retainers bottom cups, and shims. OK to .325" valve lift. Price Per Set (2).						VC-H7X
Valve Spring Kit With Titanium Retainers Kit includes performance dual springs and Titanium retainers. OK to .360" valve lift. Price Per Set (2).						VC-H06
Valves, Stainless Intake Standard Size Standard size 24 mm. Price (Each).						IV-H25
Valves, Stainless Intake Oversized +2 mm Oversized to 26 mm. Price (Each).						IV-H26
Valves, Stainless Exhaust Standard Size Standard size 20.5 mm. Price (Each).						EV-H33
Valves, Stainless Exhaust Oversized +2 mm Oversized to 22 mm. Price (Each).						EV-H34
Valve Guide, Shortened .145" Intake Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Price (Each).						VG-H12-I
Valve Guide, Shortened .170" Exhaust Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Price (Each).						VG-H12-E

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Honda XR 80 (79-03) SOHC 2v

.285/.285	265°/268°	222°/233°	68	N/A	55-081	N/A
Good all around cam with broad power range for stock engines. Check ALL clearances!						
.275/.285	282°/268°	236°/230°	69/68	N/A	55-091	55-092
Strong mid and upper end performance. Requires Exhaust System, High Compression Piston / Big Bore, and Performance Valve Spring Kit. Check ALL clearances!						
.330/.330	300°/290°	242°/235°	358c/358b	N/A	55-101	N/A
Explosive mid and upper end power for motocross and flat track. Use for racing engines only. Requires Exhaust System, High Compression Piston / Big Bore, and Performance Valve Spring Kit. Check ALL clearances!						
Cam Core						CC-H06
Please specify year and model when ordering. New cam is sold outright. No core required. Price (Each).						
Valve Spring Kit With Aluminum Retainers						VC-H7X
Kit includes performance dual springs, Aluminum retainers bottom cups, and shims. OK to .325" valve lift. Price Per Set (2).						
Valve Spring Kit With Titanium Retainers						VC-H06
Kit includes performance dual springs and Titanium retainers. OK to .360" valve lift. Price Per Set (2).						
Valves, Stainless Intake Standard Size						IV-H25
Standard size 24 mm. Price (Each).						
Valves, Stainless Intake Oversized +2 mm						IV-H26
Oversized to 26 mm. Price (Each).						
Valves, Stainless Exhaust Standard Size						EV-H33
Standard size 20.5 mm. Price (Each).						
Valves, Stainless Exhaust Oversized +2 mm						EV-H34
Oversized to 22 mm. Price (Each).						
Valve Guide, Shortened .145" Intake Standard Size						VG-H12-I
Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Price (Each).						
Valve Guide, Shortened .170" Exhaust Standard Size						VG-H12-E
Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Price (Each).						

## Honda Z 50 R (82-91) SOHC 2v

			605	N/A	59-151	N/A
Performance profile designed to increase overall power.						
			605+2.5°(5°)	N/A	59-221	N/A
Increases mid and upper end power. Requires Exhaust System, and High Compression Piston. Check ALL clearances!						

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Honda Z 50 R (92-99) SOHC 2v

.160/.160	248°/246°	210°/206°	25	N/A	55-271	N/A
Performance profile designed to increase overall performance. Requires High Compression Piston.						
.227/.227	242°/240°	210°/206°	228	N/A	57-461	57-462
High lift profile designed to increase overall performance. Requires High Compression Piston. Check ALL clearances!						
Cam Core	Please specify year and model when ordering. Price (Each).					CC-H22
Valve Springs Only	Performance dual valve springs. Stock retainers OK.					VS-H04

## Husaburg SOHC 4v

.395/.395	272°/272°	266°/266°	792	N/A	24-001	N/A
Bolt in profile increases overall performance throughout RPM range.						
.414/.414	284°/284°	278°/278°	600	N/A	24-011	N/A
Improves mid and upper end performance. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit.						

## Kawasaki 1000 (73-84) DOHC 8v

.340/.340	260°/260°	234°/234°	247	N/A	60-121	60-122
Special profile for turbo, nitrous Funny bike. Price Per Set (2).						
.365/.365	286°/286°	246°/246°	118	N/A	60-081	60-082
Performance street cam for stock engines. Price Per Set (2).						
.384/.384	276°/276°	240°/240°	119	N/A	60-241	60-242
Street or turbo. Broad overall power range. Price Per Set (2).						
.395/.395	284°/284°	256°/256°	110	N/A	60-091	60-092
Good mid and upper end performance for hot street. Requires High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).						
.418/.418	280°/280°	242°/242°	218	N/A	60-231	60-232
Street or turbo. Broad overall power range. Requires Shim Under Followers, and Performance Valve Spring Kit. Price Per Set (2).						
.422/.395	286°/284°	260°/256°	109/110	N/A	60-551	60-552
Strong mid and upper end performance. Excellent Dwarf car application. Requires High Compression Piston, Shim Under Followers, and Performance Valve Spring Kit. Price Per Set (2).						
.422/.422	286°/286°	260°/260°	109	N/A	60-201	60-202
Excellent mid and upper end performance for hot street. Requires High Compression Piston, Shim Under Followers, and Performance Valve Spring Kit. Price Per Set (2).						
.435/.435	288°/288°	260°/260°	125	N/A	60-421	60-422
Excellent mid and upper end performance for hot street. Requires High Compression Piston, Shim Under Followers, and Performance Valve Spring Kit. Price Per Set (2).						
.460/.435	290°/288°	262°/260°	122/125	N/A	60-211	60-212
Designed for Super-Gas type racing engines. Cams have a reduced base circle to 1.000. Requires High Compression Piston, Shim Under Followers, and Performance Valve Spring Kit. Price Per Set (2).						
.480/.460	292°/290°	266°/262°	136/122	N/A	60-151	60-152
Designed for Super-Comp type racing engines. Cam has a reduced base circle to 1.000. Requires High Compression Piston 13:1, Shim Under Followers, and Performance Valve Spring Kit. Price Per Set (2).						

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
.500/.470	300°/300°	275°/275°	206/231	N/A	60-221	60-222
Designed for large displacement Pro-Stock type engines. Cams have a reduced base circle to 1.000. Requires Shim Under Followers, Performance Valve Spring Kit, and Use with 16:1 or above compression. Price Per Set (2).						
.515/.515	282°/282°	265°/265°	44	N/A	60-351	60-352
Special racing cams for large displacement pro-stock type racing engines. Cams have a reduced base circle to 0.900". Requires High Compression Piston / Big Bore, Shim Under Followers, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.520/.520	293°/293°	270°/270°	24	N/A	60-131	60-132
Special racing cams for large displacement pro-stock type racing engines. Cams have a reduced base circle to 0.900". Requires High Compression Piston / Big Bore, Shim Under Followers, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
Cam Gear, Adjustable Fits GPZ 1100 / 1000J 42 Teeth Use with all WEB CAM profiles for precise engine tuning. Fits GPZ 1100 / 1000J. Converts to three bolt cam. Price Per Set (2).						CG-K11
Cam Gear, Adjustable Fits Mark II 32 Teeth Use with all WEB CAM profiles for precise engine tuning. Fits MK II (32T). Price Per Set (2).						CG-K10
Cam Gear, Adjustable 30 Teeth Use with all WEB CAM profiles for precise engine tuning. Fits all 900/1000 (30T). Fits 73-80. Price Per Set (2).						CG-K90
Buckets, Shim Under "Pro" PM Oversized Shim under-style. Oversized to 35 mm. Price (Each).						CF-K12
Buckets, Shim Under "Pro" Oversized Oversized to 35 mm WIC coated shim under-style buckets. Must be used with a MTC billet head. Machining required.						CF-K11
Buckets, Shim Under Racing Fits all 900 / 1000 / 1100. Shim under-style. Standard size. Price Per Set (8).						CF-K10
Chain Tensioner, Manual Kawasaki KZ 1000 J / GPZ 1100 manual chain tensioner.						CT-K03
Chain Tensioner, Manual (Up To 1980) Kawasaki Z 1 900 / KZ 1000 thru 1980 manual chain tensioner.						CT-K02
Retainers, Titanium Fits all 900 / 1000 / 1100. Shim under-style. Light weight CNC machined. Price Per Set (8).						RT-K10
Valve Springs Only Racing dual valve springs. OK up to 0.425" valve lift. Price Per Set (8).						VS-K10
Valve Springs Only Racing dual valve springs. OK up to 0.475" valve lift. Price Per Set (8).						VS-K11
Valve Springs Only Racing Racing dual valve springs. OK up to 0.500" valve lift. Price Per Set (8).						VS-K12
Valve Springs Only Racing Racing dual valve springs. OK up to 0.565" valve lift. Price Per Set (8).						VS-K13

Some profiles listed on this page will need to have the cylinder head cut for lobe clearance.  
Special base circles can be ordered. Call us direct for details.

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
<b>Kawasaki 1100 (73-84) DOHC 8v</b>						
.340/.340	260°/260°	234°/234°	247	N/A	60-121	60-122
Special profile for turbo, nitrous Funny bike. Price Per Set (2).						
.365/.365	286°/286°	246°/246°	118	N/A	60-081	60-082
Performance street cam for stock engines. Price Per Set (2).						
.384/.384	276°/276°	240°/240°	119	N/A	60-241	60-242
Street or turbo. Broad overall power range. Price Per Set (2).						
.395/.395	284°/284°	256°/256°	110	N/A	60-091	60-092
Good mid and upper end performance for hot street. Requires High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).						
.418/.418	280°/280°	242°/242°	218	N/A	60-231	60-232
Street or turbo. Broad overall power range. Requires Shim Under Followers, and Performance Valve Spring Kit. Price Per Set (2).						
.422/.395	286°/284°	260°/256°	109/110	N/A	60-551	60-552
Strong mid and upper end performance. Excellent Dwarf car application. Requires High Compression Piston, Shim Under Followers, and Performance Valve Spring Kit. Price Per Set (2).						
.422/.422	286°/286°	260°/260°	109	N/A	60-201	60-202
Excellent mid and upper end performance for hot street. Requires High Compression Piston, Shim Under Followers, and Performance Valve Spring Kit. Price Per Set (2).						
.435/.435	288°/288°	260°/260°	125	N/A	60-421	60-422
Excellent mid and upper end performance for hot street. Requires High Compression Piston, Shim Under Followers, and Performance Valve Spring Kit. Price Per Set (2).						
.460/.435	290°/288°	262°/260°	122/125	N/A	60-211	60-212
Designed for Super-Gas type racing engines. Cams have a reduced base circle to 1.000. Requires High Compression Piston, Shim Under Followers, and Performance Valve Spring Kit. Price Per Set (2).						
.480/.460	292°/290°	266°/262°	136/122	N/A	60-151	60-152
Designed for Super-Comp type racing engines. Cam has a reduced base circle to 1.000. Requires High Compression Piston 13:1, Shim Under Followers, and Performance Valve Spring Kit. Price Per Set (2).						
.500/.470	300°/300°	275°/275°	206/231	N/A	60-221	60-222
Designed for large displacement Pro-Stock type engines. Cams have a reduced base circle to 1.000. Requires Shim Under Followers, Performance Valve Spring Kit, and Use with 16:1 or above compression. Price Per Set (2).						
.515/.515	282°/282°	265°/265°	44	N/A	60-351	60-352
Special racing cams for large displacement pro-stock type racing engines. Cams have a reduced base circle to 0.900". Requires High Compression Piston / Big Bore, Shim Under Followers, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.520/.520	293°/293°	270°/270°	24	N/A	60-131	60-132
Special racing cams for large displacement pro-stock type racing engines. Cams have a reduced base circle to 0.900". Requires High Compression Piston / Big Bore, Shim Under Followers, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
Cam Gear, Adjustable Fits GPZ 1100 / 1000J 42 Teeth						CG-K11
Use with all WEB CAM profiles for precise engine tuning. Fits GPZ 1100 / 1000J. Converts to three bolt cam. Price Per Set (2).						
Cam Gear, Adjustable Fits Mark II 32 Teeth						CG-K10
Use with all WEB CAM profiles for precise engine tuning. Fits MK II (32T). Price Per Set (2).						
Buckets, Shim Under "Pro" PM Oversized						CF-K12
Shim under-style. Oversized to 35 mm. Price (Each).						
Buckets, Shim Under "Pro" Oversized						CF-K11
Oversized to 35 mm WIC coated shim under-style buckets. Must be used with a MTC billet head. Machining required.						

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
Buckets, Shim Under Racing Fits all 900 / 1000 / 1100. Shim under-style. Standard size. Price Per Set (8).						CF-K10
Chain Tensioner, Manual Kawasaki KZ 1000 J / GPZ 1100 manual chain tensioner.						CT-K03
Chain Tensioner, Manual (Up To 1980) Kawasaki Z 1 900 / KZ 1000 thru 1980 manual chain tensioner.						CT-K02
Retainers, Titanium Fits all 900 / 1000 / 1100. Shim under-style. Light weight CNC machined. Price Per Set (8).						RT-K10
Valve Springs Only Racing dual valve springs. OK up to 0.425" valve lift. Price Per Set (8).						VS-K10
Valve Springs Only Racing dual valve springs. OK up to 0.475" valve lift. Price Per Set (8).						VS-K11
Valve Springs Only Racing Racing dual valve springs. OK up to 0.500" valve lift. Price Per Set (8).						VS-K12
Valve Springs Only Racing Racing dual valve springs. OK up to 0.565" valve lift. Price Per Set (8).						VS-K13

Some profiles listed on this page will need to have the cylinder head cut for lobe clearance.

## Kawasaki 900 (73-84) DOHC 8v

.340/.340	260°/260°	234°/234°	247	N/A	60-121	60-122
Special profile for turbo, nitrous Funny bike. Price Per Set (2).						
.365/.365	286°/286°	246°/246°	118	N/A	60-081	60-082
Performance street cam for stock engines. Price Per Set (2).						
.384/.384	276°/276°	240°/240°	119	N/A	60-241	60-242
Street or turbo. Broad overall power range. Price Per Set (2).						
.395/.395	284°/284°	256°/256°	110	N/A	60-091	60-092
Good mid and upper end performance for hot street. Requires High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).						
.418/.418	280°/280°	242°/242°	218	N/A	60-231	60-232
Street or turbo. Broad overall power range. Requires Shim Under Followers, and Performance Valve Spring Kit. Price Per Set (2).						
.422/.395	286°/284°	260°/256°	109/110	N/A	60-551	60-552
Strong mid and upper end performance. Excellent Dwarf car application. Requires High Compression Piston, Shim Under Followers, and Performance Valve Spring Kit. Price Per Set (2).						
.422/.422	286°/286°	260°/260°	109	N/A	60-201	60-202
Excellent mid and upper end performance for hot street. Requires High Compression Piston, Shim Under Followers, and Performance Valve Spring Kit. Price Per Set (2).						
.435/.435	288°/288°	260°/260°	125	N/A	60-421	60-422
Excellent mid and upper end performance for hot street. Requires High Compression Piston, Shim Under Followers, and Performance Valve Spring Kit. Price Per Set (2).						
.460/.435	290°/288°	262°/260°	122/125	N/A	60-211	60-212
Designed for Super-Gas type racing engines. Cams have a reduced base circle to 1.000. Requires High Compression Piston, Shim Under Followers, and Performance Valve Spring Kit. Price Per Set (2).						
.480/.460	292°/290°	266°/262°	136/122	N/A	60-151	60-152
Designed for Super-Comp type racing engines. Cam has a reduced base circle to 1.000. Requires High Compression Piston 13:1, Shim Under Followers, and Performance Valve Spring Kit. Price Per Set (2).						

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
.500/.470	300°/300°	275°/275°	206/231	N/A	60-221	60-222
Designed for large displacement Pro-Stock type engines. Cams have a reduced base circle to 1.000. Requires Shim Under Followers, Performance Valve Spring Kit, and Use with 16:1 or above compression. Price Per Set (2).						
.515/.515	282°/282°	265°/265°	44	N/A	60-351	60-352
Special racing cams for large displacement pro-stock type racing engines. Cams have a reduced base circle to 0.900". Requires High Compression Piston / Big Bore, Shim Under Followers, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.520/.520	293°/293°	270°/270°	24	N/A	60-131	60-132
Special racing cams for large displacement pro-stock type racing engines. Cams have a reduced base circle to 0.900". Requires High Compression Piston / Big Bore, Shim Under Followers, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
Cam Gear, Adjustable Fits GPZ 1100 / 1000J 42 Teeth Use with all WEB CAM profiles for precise engine tuning. Fits GPZ 1100 / 1000J. Converts to three bolt cam. Price Per Set (2).						CG-K11
Cam Gear, Adjustable Fits Mark II 32 Teeth Use with all WEB CAM profiles for precise engine tuning. Fits MK II (32T). Price Per Set (2).						CG-K10
Cam Gear, Adjustable 30 Teeth Use with all WEB CAM profiles for precise engine tuning. Fits all 900/1000 (30T). Fits 73-80. Price Per Set (2).						CG-K90
Buckets, Shim Under "Pro" PM Oversized Shim under-style. Oversized to 35 mm. Price (Each).						CF-K12
Buckets, Shim Under "Pro" Oversized Oversized to 35 mm WIC coated shim under-style buckets. Must be used with a MTC billet head. Machining required.						CF-K11
Buckets, Shim Under Racing Fits all 900 / 1000 / 1100. Shim under-style. Standard size. Price Per Set (8).						CF-K10
Chain Tensioner, Manual Kawasaki KZ 1000 J / GPZ 1100 manual chain tensioner.						CT-K03
Chain Tensioner, Manual (Up To 1980) Kawasaki Z 1 900 / KZ 1000 thru 1980 manual chain tensioner.						CT-K02
Retainers, Titanium Fits all 900 / 1000 / 1100. Shim under-style. Light weight CNC machined. Price Per Set (8).						RT-K10
Valve Springs Only Racing dual valve springs. OK up to 0.425" valve lift. Price Per Set (8).						VS-K10
Valve Springs Only Racing dual valve springs. OK up to 0.475" valve lift. Price Per Set (8).						VS-K11
Valve Springs Only Racing Racing dual valve springs. OK up to 0.500" valve lift. Price Per Set (8).						VS-K12
Valve Springs Only Racing Racing dual valve springs. OK up to 0.565" valve lift. Price Per Set (8).						VS-K13

Some profiles listed on this page will need to have the cylinder head cut for lobe clearance.  
Custom base circle sizes can be ordered. Call us direct for details.

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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### Kawasaki Concours ZG 1000 (86-06) DOHC 16v

228      N/A      61-271      N/A

Improved mid and upper end performance. Use in modified engines. Requires Hardwelded Rockers. Check ALL clearances! Price Per Set (2).

Rocker Arm Hardwelded HR-K04  
 We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).

### Kawasaki EX 500, GPZ 500 (87-09) DOHC 8v

.380/.380      272°/272°      246°/246°      245      N/A      60-501      N/A  
 Performance profile designed to increase overall performance. Price Per Set (2).

Cam Gear, Adjustable CG-K09  
 Use with all WEB CAM profiles for precise engine tuning. Price Per Set (2).

Valve Spring Kit With CrMo Retainers VC-K50  
 Kit includes performance dual springs, Chrome Moly retainers, bottom cups, and .020 shims. OK to .450" valve lift. Price Per Set (8).

Valve Spring Kit With Titanium Retainers VC-K51  
 Kit includes performance dual springs, Titanium retainers, and bottom cups. Ok to .450" valve lift. Price Per Set (8).

### Kawasaki GPZ 1100 (81-83) DOHC 8v

Chain Tensioner, Manual CT-K06  
 CNC machined from billet alloy to exact tolerances for perfect fit.

For profiles, please see the Kawasaki 1000.

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
<b>Kawasaki GPZ 1100 (95-96) DOHC 16v</b>						
.388/.388	275°/275°	244°/244°	263	N/A	<b>60-781</b>	N/A
Bolt in profile increases overall performance throughout RPM range. Stock springs OK. Requires Extended Rockers. Price Per Set (2).						
.410/.388	280°/275°	250°/244°	40b/263	N/A	<b>60-631</b>	N/A
Improves mid and upper end performance. Requires Performance Valve Spring Kit, Exhaust System, High Compression Piston, and Extended Rockers. Price Per Set (2).						
.410/.410	280°/280°	250°/250°	40b	N/A	<b>60-141</b>	N/A
Race profile designed to increase mid and upper end performance. Requires Exhaust System, High Compression Piston, Performance Valve Spring Kit, and Extended Rockers. Price Per Set (2).						
Cam Gear, Adjustable Use with all WEB CAM profiles for precise engine tuning. Price Per Set (2).						<b>CG-K01</b>
Chain Tensioner, Manual CNC machined from billet alloy to exact tolerances for perfect fit.						<b>CT-K05</b>
Chain Tensioner, Manual This tensioner allows the cam chain to remain constant. CNC machined from billet alloy to exact tolerances. Fits ZX 10 / 11 engines.						<b>CT-K01</b>
Rocker Arm, Extended Hardwelded We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).						<b>HR-K01</b>
Rocker Arm, Core Please specify year and model when ordering. Price (Each).						<b>RC-K01</b>
Retainers, Titanium Light weight CNC machined. Use with VS-K01. Can be used with stock keepers. Price Per Set (16).						<b>RT-K01</b>
Valve Springs Only Performance dual valve springs. Can be used with stock retainers or RT-K01.						<b>VS-K01</b>

## Kawasaki GPZ 550 (80-85) DOHC 8v

.325/.325	270°/270°	234°/234°	86	N/A	<b>60-161</b>	N/A
Improved performance for stock engines. Price Per Set (2).						
.384/.384	276°/276°	240°/240°	119	N/A	<b>60-171</b>	N/A
Good mid and upper end performance for hot street. Requires High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).						
.400/.400	280°/280°	254°/254°	189	N/A	<b>60-181</b>	N/A
Race profile designed to increase mid and upper end performance. Requires High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).						
Valve Springs Only Performance dual valve springs. Stock retainers OK. Price Per Set (8).						<b>VS-K55</b>

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Kawasaki GPZ 750 (76-85) DOHC 8v

.365/.365	286°/286°	245°/245°	118	N/A	60-051	N/A
Good overall performance for hot street engines. Requires Performance Valve Spring Kit. Price Per Set (2).						
.395/.395	284°/284°	256°/256°	110	N/A	60-061	N/A
Strong mid and upper end performance for street / strip. Requires Performance Valve Spring Kit. Price Per Set (2).						
.400/.400	280°/280°	254°/254°	189	N/A	60-191	N/A
Excellent mid and upper end performance for road race engines. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).						
.422/.422	286°/286°	260°/260°	109	N/A	60-071	N/A
Designed for drag racing. Excellent top end performance. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						

Valve Springs Only **VS-K75**  
 Performance dual valve springs. Stock retainers OK. Price Per Set (8).

Valve Spring Kit With Aluminum Retainers **VC-K75**  
 Kit includes performance dual springs, Aluminum retainers, and shims. OK to .450" valve lift. Price Per Set (8).

### TECH NOTES:

Some engines made in 1983 and 1984 for the GPZ750 have a stock base circle size of 1.070". All other 750 and KZ 650 engines have a 1.110" base circle. Check this before sending your cams for grinding. Some profiles will need the cylinder head cut for lobe clearance! Cam degreasing is recommended with all our racing cams. See cam kit part AP-144

## Kawasaki KLR 250 (87-05) DOHC 4v

			228/974	N/A	61-191	N/A
Performance profile designed to increase mid and upper end. Requires Exhaust System, and Hardwelded Rockers. Check ALL clearances!						
Cam Core						<b>CC-K03</b>
Please specify year and model when ordering. Price Per Set (2).						
Rocker Arm Hardwelded						<b>HR-K03</b>
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).						

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
<b>Kawasaki KLR 600 (84-86) DOHC 4v</b>						
.350/.350	276°/276°	238°/238°	225	N/A	60-361	N/A
Bolt in profile increases mid and upper end performance. Price Per Set (2).						
.388/.388	284°/284°	249°/249°	163	N/A	60-371	N/A
Good mid and upper end performance. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.422/.422	286°/286°	260°/260°	109	N/A	60-381	N/A
Race profile designed to increase mid and upper end performance. Requires High Compression Piston, Performance Valve Spring Kit, Shortened Valve Guides, and Shim Under Followers. Check ALL clearances! Price Per Set (2).						
Buckets, Shim Under Racing Standard Size Shim-under style tappets. Use with VC-K07 spring kit. Price Per Set (4).						CF-K06
Valve Spring Kit With Titanium Retainers Kit includes performance dual springs, Titanium retainers, and shims. Requires special shim under-style racing tappets. See part CF-K06. OK to .450" valve lift. Price Per Set (4).						VC-K07
Valve Spring Kit With Titanium Retainers Kit includes performance dual springs and Titanium retainers. OK to .450" valve lift. Shim on top. Price Per Set (4).						VC-K05

### **Kawasaki KLR 650 (87-95) DOHC 4v**

.350/.350	276°/276°	238°/238°	225	N/A	60-361	N/A
Bolt in profile increases mid and upper end performance. Price Per Set (2).						
.388/.388	284°/284°	249°/249°	163	N/A	60-371	N/A
Good mid and upper end performance. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.422/.422	286°/286°	260°/260°	109	N/A	60-381	N/A
Race profile designed to increase mid and upper end performance. Requires High Compression Piston, Performance Valve Spring Kit, Shortened Valve Guides, and Shim Under Followers. Check ALL clearances! Price Per Set (2).						
Buckets, Shim Under Racing Standard Size Shim-under style tappets. Use with VC-K07 spring kit. Price Per Set (4).						CF-K06
Valve Spring Kit With Titanium Retainers Kit includes performance dual springs, Titanium retainers, and shims. Requires special shim under-style racing tappets. See part CF-K06. OK to .450" valve lift. Price Per Set (4).						VC-K07
Valve Spring Kit With Titanium Retainers Kit includes performance dual springs and Titanium retainers. OK to .450" valve lift. Shim on top. Price Per Set (4).						VC-K05

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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### Kawasaki KLR 650 (96-07) DOHC 4v

.350/.350 276°/276° 238°/238° 225 N/A 60-361 N/A  
Bolt in profile increases mid and upper end performance. Price Per Set (2).

.388/.388 284°/284° 249°/249° 163 N/A 60-371 N/A  
Good mid and upper end performance. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).

.422/.422 286°/286° 260°/260° 109 N/A 60-381 N/A  
Race profile designed to increase mid and upper end performance. Requires High Compression Piston, Performance Valve Spring Kit, Shortened Valve Guides, and Shim Under Followers. Check ALL clearances! Price Per Set (2).

Buckets, Shim Under Racing Standard Size Shim-under style tappets. Use with VC-K07 spring kit. Price Per Set (4). **CF-K06**

Valve Spring Kit With Titanium Retainers Kit includes performance dual springs, Titanium retainers, and shims. Requires special shim under-style racing tappets. See part CF-K06. OK to .450" valve lift. Price Per Set (4). **VC-K07**

Valve Spring Kit With Titanium Retainers Kit includes performance dual springs and Titanium retainers. OK to .450" valve lift. Shim on top. Price Per Set (4). **VC-K05**

### Kawasaki KLR 650 (08-13) DOHC 4v

.350/.350 276°/276° 238°/238° 225 N/A 60-361 N/A  
Bolt in profile increases mid and upper end performance. Price Per Set (2).

.388/.388 284°/284° 249°/249° 163 N/A 60-371 N/A  
Good mid and upper end performance. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).

.422/.422 286°/286° 260°/260° 109 N/A 60-381 N/A  
Race profile designed to increase mid and upper end performance. Requires High Compression Piston, Performance Valve Spring Kit, Shortened Valve Guides, and Shim Under Followers. Check ALL clearances! Price Per Set (2).

Buckets, Shim Under Racing Standard Size Shim-under style tappets. Use with VC-K07 spring kit. Price Per Set (4). **CF-K06**

Valve Spring Kit With Titanium Retainers Kit includes performance dual springs, Titanium retainers, and shims. Requires special shim under-style racing tappets. See part CF-K06. OK to .450" valve lift. Price Per Set (4). **VC-K07**

Valve Spring Kit With Titanium Retainers Kit includes performance dual springs and Titanium retainers. OK to .450" valve lift. Shim on top. Price Per Set (4). **VC-K05**

### Kawasaki KLX 110 (02-09) SOHC 2v

.245/.245 227°/227° 200°/200° 764 N/A 60-641 N/A  
Excellent throttle response. Increases overall power. Bolt in with no modifications.

.257/.257 220°/220° 186°/186° 98+2.5[5°] N/A 60-621 N/A  
High lift short duration profile to increase throttle response.

.252/.256 232°/232° 209°/209° 547+2.5[5°] N/A 60-611 N/A  
Improves mid and upper end performance. Requires High Compression Piston, and Exhaust System.

Cam Core Please specify year and model when ordering. Price (Each). **CC-K10**

Valve Spring Kit With Titanium Retainers Kit includes performance dual springs, Titanium retainers, and bottom cups. OK to .350" valve lift. Price Per Set (2). **VC-K27**

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Kawasaki KLX 140 / 150 (08-13) SOHC 2v

.284/.278    251°/254°                158e/114    N/A    **61-081**    N/A  
 Performance profile designed to increase overall performance. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit.

Cam Core **CC-K02**  
 Please specify year and model when ordering. Price (Each).

Valve Spring Kit With Titanium Retainers **VC-K32**  
 Kit includes performance dual springs Titanium retainers, bottom cups, and spring shims. OK to .320" valve lift. Price Per Set (2).

## Kawasaki KLX 250 R (94-96) DOHC 4v

.343/.343    250°/250°    224°/224°             631    N/A    **61-201**    N/A  
 Excellent throttle response. Increases overall power. Price Per Set (2).

.350/.350    250°/250°    229°/229°             101    N/A    **61-171**    N/A  
 Larry Roesler's favorite. Quick acceleration with plenty of mid and top end power. Price Per Set (2).

.352/.352    264°/264°    241°/241°             55    N/A    **60-411**    N/A  
 Excellent mid and upper end performance for racing engines only. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).

Cam Core **CC-K04**  
 Please specify year and model when ordering. Price Per Set (2).

Valve Spring Kit With Titanium Retainers **VC-K21**  
 Kit includes performance dual springs, Titanium retainers, and bottom cups. OK to .400" valve lift. Price Per Set (4).

Valves, Stainless Intake Standard Size **IV-K00**  
 Standard size 29 mm. Price (Each).

Valves, Stainless Intake Oversized +1 mm **IV-K01**  
 Oversized to 30 mm. Price (Each).

Valves, Stainless Exhaust Standard Size **EV-K00**  
 Standard size 25 mm. Price (Each).

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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### Kawasaki KLX 250 S (06-10) DOHC 4v

.343/.343 250°/250° 224°/224° 631 N/A 61-201 N/A  
 Excellent throttle response. Increases overall power. Price Per Set (2).

.350/.350 250°/250° 229°/229° 101 N/A 61-171 N/A  
 Larry Roesler's favorite. Quick acceleration with plenty of mid and top end power. Price Per Set (2).

.352/.352 264°/264° 241°/241° 55 N/A 60-411 N/A  
 Excellent mid and upper end performance for racing engines only. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).

Cam Core CC-K04  
 Please specify year and model when ordering. Price Per Set (2).

Valve Spring Kit With Titanium Retainers VC-K21  
 Kit includes performance dual springs, Titanium retainers, and bottom cups. OK to .400" valve lift. Price Per Set (4).

Valves, Stainless Intake Standard Size IV-K00  
 Standard size 29 mm. Price (Each).

Valves, Stainless Intake Oversized +1 mm IV-K01  
 Oversized to 30 mm. Price (Each).

Valves, Stainless Exhaust Standard Size EV-K00  
 Standard size 25 mm. Price (Each).

### Kawasaki KLX 250 SF (09-10) DOHC 4v

.343/.343 250°/250° 224°/224° 631 N/A 61-201 N/A  
 Excellent throttle response. Increases overall power. Price Per Set (2).

.350/.350 250°/250° 229°/229° 101 N/A 61-171 N/A  
 Larry Roesler's favorite. Quick acceleration with plenty of mid and top end power. Price Per Set (2).

.352/.352 264°/264° 241°/241° 55 N/A 60-411 N/A  
 Excellent mid and upper end performance for racing engines only. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).

Cam Core CC-K04  
 Please specify year and model when ordering. Price Per Set (2).

Valve Spring Kit With Titanium Retainers VC-K21  
 Kit includes performance dual springs, Titanium retainers, and bottom cups. OK to .400" valve lift. Price Per Set (4).

Valves, Stainless Intake Standard Size IV-K00  
 Standard size 29 mm. Price (Each).

Valves, Stainless Intake Oversized +1 mm IV-K01  
 Oversized to 30 mm. Price (Each).

Valves, Stainless Exhaust Standard Size EV-K00  
 Standard size 25 mm. Price (Each).

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
<b>Kawasaki KLX 300 R (97-02) DOHC 4v</b>						
.343/.343	250°/250°	224°/224°	631	N/A	61-201	N/A
Excellent throttle response. Increases overall power. Price Per Set (2).						
.350/.350	250°/250°	229°/229°	101	N/A	61-171	N/A
Larry Roesler's favorite. Quick acceleration with plenty of mid and top end power. Price Per Set (2).						
.352/.352	264°/264°	241°/241°	55	N/A	60-411	N/A
Excellent mid and upper end performance for racing engines only. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).						
Cam Core						CC-K04
Please specify year and model when ordering. Price Per Set (2).						
Valve Spring Kit With Titanium Retainers						VC-K21
Kit includes performance dual springs, Titanium retainers, and bottom cups. OK to .400" valve lift. Price Per Set (4).						
Valves, Stainless Intake Standard Size						IV-K00
Standard size 29 mm. Price (Each).						
Valves, Stainless Intake Oversized +1 mm						IV-K01
Oversized to 30 mm. Price (Each).						
Valves, Stainless Exhaust Standard Size						EV-K00
Standard size 25 mm. Price (Each).						

## Kawasaki KLX 400 (03-06) DOHC 4v

.360/.378	248°/268°	226°/244°	293/536	N/A	70-811	70-812
Performance profile designed to increase overall performance. Cams have a reduced base circle. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).						
.368/.360	260°/248°	234°/226°	288/293	N/A	70-591	70-592
High lift to increase torque and increase overall performance. Cams have a reduced base circle. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).						
.368/.384	260°/272°	234°/248°	288/540	N/A	70-821	70-822
Race profile for built engines. Cams have a reduced base circle. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.384/.400	272°/280°	248°/256°	540/539	N/A	70-691	70-692
Race profile for built engines. Cam has a reduced base circle. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
Cam Core						CC-S08
Please specify year and model when ordering. New cams are sold outright. No core required. Price Per Set (2).						
Cam Gear, Adjustable With Adaptors						CG-S04
Use with all WEB CAM profiles for precise engine tuning. Kit includes adjustable sprockets, adapters, cam bolts. Price Per Set (2).						
Valve Spring Kit With Titanium Retainers						VC-S40
Kit includes performance dual springs, Titanium retainers, and bottoms. OK to .440" valve lift. Price Per Set (4).						
Valves, Stainless Intake Standard Size						IV-S03
Standard size 36 mm. Price (Each).						
Valves, Stainless Intake Oversized +1 mm						IV-S04
Oversized to 37 mm. Price (Each).						
Valves, Stainless Exhaust Standard Size						EV-S03
Standard size 29 mm. Price (Each).						

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
Valves, Stainless Exhaust Oversized +1 mm Oversized to 30 mm. Price (Each).						EV-S04
Valve Guide, Shortened .050" Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Fits intake and exhaust. Price (Each).						VG-S01

## Kawasaki KLX 450 R (08-09) DOHC 4v

.378/.358	268°/268°	244°/241°	536/11i	N/A	61-001	N/A
Performance profile designed to increase mid and upper end. Requires Exhaust System, and High Compression Piston. Check ALL clearances! Price Per Set (2).						
Cam Core Please specify year and model when ordering. Price Per Set (2).						CC-K19

## Kawasaki KLX 650 (C MODEL) (93-96) DOHC 4v

.350/.350	276°/276°	238°/238°	225	N/A	61-301	N/A
Bolt in profile increases mid and upper end performance. Price Per Set (2).						
.388/.388	284°/284°	249°/249°	163	N/A	61-311	N/A
Good mid and upper end performance. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.422/.422	286°/286°	260°/260°	109	N/A	61-321	N/A
Race profile designed to increase mid and upper end performance. Requires High Compression Piston, Performance Valve Spring Kit, Shim Under Followers, and Shortened Valve Guides. Check ALL clearances! Price Per Set (2).						
Buckets, Shim Under Racing Standard Size Shim-under style tappets. Use with VC-K07 spring kit. Price Per Set (4).						CF-K06
Valve Spring Kit With Titanium Retainers Kit includes performance dual springs, Titanium retainers, and shims. Requires special shim under-style racing tappets. See part CF-K06. OK to .450" valve lift. Price Per Set (4).						VC-K07
Valve Spring Kit With Titanium Retainers Kit includes performance dual springs and Titanium retainers. OK to .450" valve lift. Shim on top. Price Per Set (4).						VC-K05

## Kawasaki KLX 650 R (A MODEL) (93-95) DOHC 4v

.350/.350	276°/276°	238°/238°	225	N/A	61-301	N/A
Bolt in profile increases mid and upper end performance. Price Per Set (2).						
.388/.388	284°/284°	249°/249°	163	N/A	61-311	N/A
Good mid and upper end performance. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.422/.422	286°/286°	260°/260°	109	N/A	61-321	N/A
Race profile designed to increase mid and upper end performance. Requires High Compression Piston, Performance Valve Spring Kit, Shim Under Followers, and Shortened Valve Guides. Check ALL clearances! Price Per Set (2).						
Buckets, Shim Under Racing Standard Size Shim-under style tappets. Use with VC-K07 spring kit. Price Per Set (4).						CF-K06
Valve Spring Kit With Titanium Retainers Kit includes performance dual springs, Titanium retainers, and shims. Requires special shim under-style racing tappets. See part CF-K06. OK to .450" valve lift. Price Per Set (4).						VC-K07
Valve Spring Kit With Titanium Retainers Kit includes performance dual springs and Titanium retainers. OK to .450" valve lift. Shim on top. Price Per Set (4).						VC-K05

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Kawasaki KLX 650 R (D MODEL) (94-96) DOHC 4v

.350/.350    276°/276°    238°/238°    225    N/A    61-301    N/A  
 Bolt in profile increases mid and upper end performance. Price Per Set (2).

.388/.388    284°/284°    249°/249°    163    N/A    61-311    N/A  
 Good mid and upper end performance. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).

.422/.422    286°/286°    260°/260°    109    N/A    61-321    N/A  
 Race profile designed to increase mid and upper end performance. Requires High Compression Piston, Performance Valve Spring Kit, Shim Under Followers, and Shortened Valve Guides. Check ALL clearances! Price Per Set (2).

Buckets, Shim Under Racing Standard Size CF-K06  
 Shim-under style tappets. Use with VC-K07 spring kit. Price Per Set (4).

Valve Spring Kit With Titanium Retainers VC-K07  
 Kit includes performance dual springs, Titanium retainers, and shims. Requires special shim under-style racing tappets. See part CF-K06. OK to .450" valve lift. Price Per Set (4).

Valve Spring Kit With Titanium Retainers VC-K05  
 Kit includes performance dual springs and Titanium retainers. OK to .450" valve lift. Shim on top. Price Per Set (4).

## Kawasaki KX 250 F (04-06) DOHC 4v

.360/.340    266°/260°    242°/236°    297/298    N/A    60-701    N/A  
 Performance profile designed to increase overall performance. Requires PRO Buckets, Performance Valve Spring Kit, High Compression Piston, and Exhaust System. Price Per Set (2).

.368/.330    263°/252°    235°/226°    151i/577    N/A    60-901    N/A  
 Excellent torque profile. Requires Performance Valve Spring Kit, PRO Buckets, High Compression Piston, and Exhaust System. Price Per Set (2).

.378/.340    268°/260°    244°/236°    536/298    N/A    60-651    N/A  
 Designed to increase mid and upper end performance. Requires PRO Buckets, Performance Valve Spring Kit, High Compression Piston, and Exhaust System. Check ALL clearances! Price Per Set (2).

.415/.383    268°/276°    244°/253°    45/227    N/A    60-591    N/A  
 Race profile designed to increase mid and upper end performance. Requires Exhaust System, High Compression Piston, Larger Diameter Followers, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).

Cam Core CC-K14  
 Please specify year and model when ordering. Price Per Set (2).

Cam Gear, Adjustable CG-K06  
 Use with all WEB CAM profiles for precise engine tuning. Kit includes adjustable sprockets, adapters, cam bolts. Price Per Set (2).

Buckets Replacement Standard Size CF-K01  
 Fits Kawasaki KX 250 and Suzuki RMZ 250 engines. Sold in sets only. Includes 2 intake and 2 exhaust buckets. Price Per Set (4).

Buckets "Pro" DLC Coated Standard Size CF-K02  
 Lightweight buckets fits Kawasaki KX 250 and Suzuki RMZ 250 engines. Sold in sets only. Includes 2 intake and 2 exhaust buckets. DLC coated for longer wear and extreme racing conditions. Price Per Set (4).

Buckets, Shim Under "Pro" Standard Size CF-K03  
 Lightweight bucket fits Kawasaki KX 250 and Suzuki RMZ 250 engines. Sold in sets only. Includes 2 intake and 2 exhaust followers. Price Per Set (4).

Buckets, Shim Under Exhaust Oversized CF-K07  
 Fits Kawasaki KX 250 and Suzuki RMZ 250 engines. Includes 2 oversized 26.5 mm buckets. Must be used on exhaust with high lift cams. Machining required. Price Per Set (2).

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
Valve Spring Kit With Titanium Retainers Kit includes performance dual PSI springs, Titanium retainers, and bottoms. OK to .415 valve lift. Price Per Set (4).						VC-K14
Valves, Stainless Intake Standard Size Standard size 31 mm. Price (Each).						IV-K25
Valves, Stainless Intake Oversized +1 mm Oversized to 32 mm. Price (Each).						OV-K25
Valves, Stainless Exhaust Standard Size Standard size 25 mm. Price (Each).						EV-K26
Valves, Stainless Exhaust Oversized +1 mm Oversized to 26 mm. Price (Each).						OV-K26
Valves, Titanium Intake Standard Size Standard size 31 mm. Price (Each).						IV-K26
Valves, Titanium Intake Oversized +1 mm Oversized to 32 mm. Price (Each).						IV-K27
Valves, Titanium Exhaust Standard Size Standard size 25 mm. Price (Each).						EV-K27
Valves, Titanium Exhaust Oversized +1 mm Oversized to 26 mm. Price (Each).						EV-K28
Valve Guide, Shortened .095" (IN), .080" (EX) Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Fits 04-06 in / ex, 07-13 exhaust only. Price (Each).						VG-K00

If installing titanium valves we highly recommend nickel aluminum bronze seats.  
Oversized tappets available, please call us directly for further details. Machining required.

## Kawasaki KX 250 F (07-10) DOHC 4v

.360/.340	266°/260°	242°/236°	297/298	N/A	60-921	N/A
Performance profile designed to increase overall performance. Requires PRO Buckets, Performance Valve Spring Kit, High Compression Piston, and Exhaust System. Price Per Set (2).						
.368/.330	263°/252°	235°/226°	151i/577	N/A	60-931	N/A
Excellent torque profile. Requires Performance Valve Spring Kit, PRO Buckets, High Compression Piston, and Exhaust System. Price Per Set (2).						
.378/.340	268°/260°	244°/236°	536/298	N/A	60-941	N/A
Designed to increase mid and upper end performance. Requires PRO Buckets, Performance Valve Spring Kit, High Compression Piston, and Exhaust System. Price Per Set (2).						
.378/.355	268°/276°	244°/252°	536/187	N/A	61-251	N/A
Race profile designed to increase mid and upper end performance. Requires Exhaust System, High Compression Piston, Performance Valve Spring Kit, and Larger Diameter Exhaust Followers. Price Per Set (2).						
.415/.383	268°/276°	244°/253°	45/227	N/A	60-951	N/A
High lift race profile designed to increase mid and upper end performance. Requires Exhaust System, High Compression Piston, Larger Diameter Followers, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
Cam Core	Please specify year and model when ordering. Price Per Set (2).					CC-K20
Cam Gear, Adjustable	Use with all WEB CAM profiles for precise engine tuning. Kit includes adjustable sprockets, adapters, cam bolts. Price Per Set (2).					CG-K06

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
Buckets Replacement Standard Size						CF-K01
Fits Kawasaki KX 250 and Suzuki RMZ 250 engines. Sold in sets only. Includes 2 intake and 2 exhaust buckets. Price Per Set (4).						
Buckets "Pro" DLC Coated Standard Size						CF-K02
Lightweight buckets fits Kawasaki KX 250 and Suzuki RMZ 250 engines. Sold in sets only. Includes 2 intake and 2 exhaust buckets. DLC coated for longer wear and extreme racing conditions. Price Per Set (4).						
Buckets, Shim Under "Pro" Standard Size						CF-K03
Lightweight bucket fits Kawasaki KX 250 and Suzuki RMZ 250 engines. Sold in sets only. Includes 2 intake and 2 exhaust followers. Price Per Set (4).						
Buckets, Shim Under Exhaust Oversized						CF-K07
Fits Kawasaki KX 250 and Suzuki RMZ 250 engines. Includes 2 oversized 26.5 mm buckets. Must be used on exhaust with high lift cams. Machining required. Price Per Set (2).						
Valve Spring Kit With Titanium Retainers						VC-K35
Kit includes performance single springs, titanium retainers, and hardened bottoms. Price Per Set (4).						
Valve Spring Kit With Titanium Retainers						VC-K14
Kit includes performance dual PSI springs, Titanium retainers, and bottoms. OK to .415 valve lift. Price Per Set (4).						
Valves, Stainless Intake Standard Size						IV-K25
Standard size 31 mm. Price (Each).						
Valves, Stainless Intake Oversized +1 mm						OV-K25
Oversized to 32 mm. Price (Each).						
Valves, Stainless Exhaust Standard Size						EV-K26
Standard size 25 mm. Price (Each).						
Valves, Stainless Exhaust Oversized +1 mm						OV-K26
Oversized to 26 mm. Price (Each).						
Valves, Titanium Intake Standard Size						IV-K26
Standard size 31 mm. Price (Each).						
Valves, Titanium Intake Oversized +1 mm						IV-K27
Oversized to 32 mm. Price (Each).						
Valves, Titanium Exhaust Standard Size						EV-K27
Standard size 25 mm. Price (Each).						
Valves, Titanium Exhaust Oversized +1 mm						EV-K28
Oversized to 26 mm. Price (Each).						
Valve Guide, Shortened .140" Intake Standard Size						VG-K03
Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Price (Each).						
Valve Guide, Shortened .095" (IN), .080" (EX) Standard Size						VG-K00
Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Fits 04-06 in / ex, 07-13 exhaust only. Price (Each).						

If installing titanium valves we highly recommend nickel aluminum bronze seats.  
Oversized tappets available, please call us directly for further details. Machining required.

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
<b>Kawasaki KX 250 F (2011) DOHC 4v</b>						
.378/.340	268°/260°	244°/236°	536/298	N/A	<b>60-941</b>	N/A
Designed to increase mid and upper end performance. Requires PRO Buckets, Performance Valve Spring Kit, High Compression Piston, and Exhaust System. Price Per Set (2).						
.378/.355	268°/276°	244°/252°	536/187	N/A	<b>61-251</b>	N/A
Race profile designed to increase mid and upper end performance. Requires Exhaust System, High Compression Piston, Performance Valve Spring Kit, and Larger Diameter Exhaust Followers. Price Per Set (2).						
.415/.383	268°/276°	244°/253°	45/227	N/A	<b>60-951</b>	N/A
High lift race profile designed to increase mid and upper end performance. Requires Exhaust System, High Compression Piston, Larger Diameter Followers, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
Cam Core Please specify year and model when ordering. Price Per Set (2).						<b>CC-K20</b>
Cam Gear, Adjustable Use with all WEB CAM profiles for precise engine tuning. Kit includes adjustable sprockets, adapters, cam bolts. Price Per Set (2).						<b>CG-K06</b>
Buckets Replacement Standard Size Fits Kawasaki KX 250 and Suzuki RMZ 250 engines. Sold in sets only. Includes 2 intake and 2 exhaust buckets. Price Per Set (4).						<b>CF-K01</b>
Buckets "Pro" DLC Coated Standard Size Lightweight buckets fits Kawasaki KX 250 and Suzuki RMZ 250 engines. Sold in sets only. Includes 2 intake and 2 exhaust buckets. DLC coated for longer wear and extreme racing conditions. Price Per Set (4).						<b>CF-K02</b>
Buckets, Shim Under "Pro" Standard Size Lightweight bucket fits Kawasaki KX 250 and Suzuki RMZ 250 engines. Sold in sets only. Includes 2 intake and 2 exhaust followers. Price Per Set (4).						<b>CF-K03</b>
Buckets, Shim Under Exhaust Oversized Fits Kawasaki KX 250 and Suzuki RMZ 250 engines. Includes 2 oversized 26.5 mm buckets. Must be used on exhaust with high lift cams. Machining required. Price Per Set (2).						<b>CF-K07</b>
Valve Spring Kit With Titanium Retainers Kit includes performance single springs, titanium retainers, and hardened bottoms. Price Per Set (4).						<b>VC-K35</b>
Valve Spring Kit With Titanium Retainers Kit includes performance dual PSI springs, Titanium retainers, and bottoms. OK to .415 valve lift. Price Per Set (4).						<b>VC-K14</b>
Valves, Stainless Intake Standard Size Standard size 31 mm. Price (Each).						<b>IV-K25</b>
Valves, Stainless Intake Oversized +1 mm Oversized to 32 mm. Price (Each).						<b>OV-K25</b>
Valves, Stainless Exhaust Standard Size Standard size 25 mm. Price (Each).						<b>EV-K26</b>
Valves, Stainless Exhaust Oversized +1 mm Oversized to 26 mm. Price (Each).						<b>OV-K26</b>
Valves, Titanium Intake Standard Size Standard size 31 mm. Price (Each).						<b>IV-K26</b>
Valves, Titanium Intake Oversized +1 mm Oversized to 32 mm. Price (Each).						<b>IV-K27</b>

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
Valves, Titanium Exhaust Standard Size Standard size 25 mm. Price (Each).						EV-K27
Valves, Titanium Exhaust Oversized +1 mm Oversized to 26 mm. Price (Each).						EV-K28
Valve Guide, Shortened .140" Intake Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Price (Each).						VG-K03
Valve Guide, Shortened .095" (IN), .080" (EX) Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Fits 04-06 in / ex, 07-13 exhaust only. Price (Each).						VG-K00
<p>If installing titanium valves we highly recommend nickel aluminum bronze seats. Oversized tappets available, please call us directly for further details. Machining required.</p>						
<b>Kawasaki KX 250 F (2012) DOHC 4v</b>						
.377/.340	260°/260°	240°/236°	100/298	N/A	61-691	N/A
Torque profile designed to give excellent throttle response. Stock size followers OK. Requires Exhaust System, Hardwelded Rockers, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.374/.360	261°/266°	238°/238°	1203/1275	N/A	61-661	N/A
Torque profile designed to give excellent throttle response. Requires Exhaust System, High Compression Piston, Larger Diameter EX Followers, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.374/.368	261°/269°	238°/241°	1203/151+3°(6°)	N/A	61-401	N/A
Torque plus profile designed to increase acceleration without losing the top end. Requires Exhaust System, High Compression Piston, Larger Diameter EX Followers, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.378/.340	268°/260°	244°/236°	536/298	N/A	61-681	N/A
Performance profile to increase mid and upper end. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.384/.355	272°/276°	248°/252°	540/187	N/A	61-391	N/A
Performance profile designed to increase mid and upper end. Works excellent for Motocross / Flat Track Style racing applications. Requires Exhaust System, High Compression Piston, Performance Valve Spring Kit, and Larger Diameter Followers. Check ALL clearances! Price Per Set (2).						
.384/.355	272°/282°	248°/258°	540/943	N/A	61-671	N/A
Extreme top end profile. Requires Exhaust System, High Compression Piston, Larger Diameter Followers, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
Cam Core						CC-K23
Please specify year and model when ordering. Price Per Set (2).						
Cam Gear, Adjustable						CG-K06
Use with all WEB CAM profiles for precise engine tuning. Kit includes adjustable sprockets, adapters, cam bolts. Price Per Set (2).						
Buckets Replacement Standard Size						CF-K01
Fits Kawasaki KX 250 and Suzuki RMZ 250 engines. Sold in sets only. Includes 2 intake and 2 exhaust buckets. Price Per Set (4).						
Buckets "Pro" DLC Coated Standard Size						CF-K02
Lightweight buckets fits Kawasaki KX 250 and Suzuki RMZ 250 engines. Sold in sets only. Includes 2 intake and 2 exhaust buckets. DLC coated for longer wear and extreme racing conditions. Price Per Set (4).						
Buckets, Shim Under "Pro" Standard Size						CF-K03
Lightweight bucket fits Kawasaki KX 250 and Suzuki RMZ 250 engines. Sold in sets only. Includes 2 intake and 2 exhaust followers. Price Per Set (4).						

<b>VALVE LIFT</b>	<b>DURATION</b>	<b>DURATION @.050</b>	<b>GRIND NUMBER</b>	<b>REGRIND</b>	<b>HARD WELD</b>	<b>NEW CAM</b>
Buckets, Shim Under Exhaust Oversized Fits Kawasaki KX 250 and Suzuki RMZ 250 engines. Includes 2 oversized 26.5 mm buckets. Must be used on exhaust with high lift cams. Machining required. Price Per Set (2).						CF-K07
Valve Spring Kit With Titanium Retainers Kit includes performance single springs, titanium retainers, and hardened bottoms. Price Per Set (4).						VC-K35
Valve Spring Kit With Titanium Retainers Kit includes performance dual PSI springs, Titanium retainers, and bottoms. OK to .415 valve lift. Price Per Set (4).						VC-K14
Valves, Stainless Intake Standard Size Standard size 31 mm. Price (Each).						IV-K25
Valves, Stainless Intake Oversized +1 mm Oversized to 32 mm. Price (Each).						OV-K25
Valves, Stainless Exhaust Standard Size Standard size 25 mm. Price (Each).						EV-K26
Valves, Stainless Exhaust Oversized +1 mm Oversized to 26 mm. Price (Each).						OV-K26
Valves, Titanium Intake Standard Size Standard size 31 mm. Price (Each).						IV-K26
Valves, Titanium Intake Oversized +1 mm Oversized to 32 mm. Price (Each).						IV-K27
Valves, Titanium Exhaust Standard Size Standard size 25 mm. Price (Each).						EV-K27
Valves, Titanium Exhaust Oversized +1 mm Oversized to 26 mm. Price (Each).						EV-K28
Valve Guide, Shortened .140" Intake Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Price (Each).						VG-K03
Valve Guide, Shortened .095" (IN), .080" (EX) Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Fits 04-06 in / ex, 07-13 exhaust only. Price (Each).						VG-K00

Custom grinding is available please call us directly for details.

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
<b>Kawasaki KX 250 F (2013) DOHC 4v</b>						
.377/.340	260°/260°	240°/236°	100/298	N/A	<b>61-691</b>	N/A
Torque profile designed to give excellent throttle response. Stock size followers OK. Requires Exhaust System, Hardwelded Rockers, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.374/.360	261°/266°	238°/238°	1203/1275	N/A	<b>61-661</b>	N/A
Torque profile designed to give excellent throttle response. Requires Exhaust System, High Compression Piston, Larger Diameter EX Followers, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.374/.368	261°/269°	238°/241°	1203/151+3°(6°)	N/A	<b>61-401</b>	N/A
Torque plus profile designed to increase acceleration without losing the top end. Requires Exhaust System, High Compression Piston, Larger Diameter EX Followers, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.378/.340	268°/260°	244°/236°	536/298	N/A	<b>61-681</b>	N/A
Performance profile to increase mid and upper end. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.384/.355	272°/276°	248°/252°	540/187	N/A	<b>61-391</b>	N/A
Performance profile designed to increase mid and upper end. Works excellent for Motocross / Flat Track Style racing applications. Requires Exhaust System, High Compression Piston, Performance Valve Spring Kit, and Larger Diameter Followers. Check ALL clearances! Price Per Set (2).						
.384/.355	272°/282°	248°/258°	540/943	N/A	<b>61-671</b>	N/A
Extreme top end profile. Requires Exhaust System, High Compression Piston, Larger Diameter Followers, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
Cam Core	Please specify year and model when ordering. Price Per Set (2).					<b>CC-K23</b>
Cam Gear, Adjustable	Use with all WEB CAM profiles for precise engine tuning. Kit includes adjustable sprockets, adapters, cam bolts. Price Per Set (2).					<b>CG-K06</b>
Buckets Replacement Standard Size	Fits Kawasaki KX 250 and Suzuki RMZ 250 engines. Sold in sets only. Includes 2 intake and 2 exhaust buckets. Price Per Set (4).					<b>CF-K01</b>
Buckets "Pro" DLC Coated Standard Size	Lightweight buckets fits Kawasaki KX 250 and Suzuki RMZ 250 engines. Sold in sets only. Includes 2 intake and 2 exhaust buckets. DLC coated for longer wear and extreme racing conditions. Price Per Set (4).					<b>CF-K02</b>
Buckets, Shim Under "Pro" Standard Size	Lightweight bucket fits Kawasaki KX 250 and Suzuki RMZ 250 engines. Sold in sets only. Includes 2 intake and 2 exhaust followers. Price Per Set (4).					<b>CF-K03</b>
Buckets, Shim Under Exhaust Oversized	Fits Kawasaki KX 250 and Suzuki RMZ 250 engines. Includes 2 oversized 26.5 mm buckets. Must be used on exhaust with high lift cams. Machining required. Price Per Set (2).					<b>CF-K07</b>
Valve Spring Kit With Titanium Retainers	Kit includes performance single springs, titanium retainers, and hardened bottoms. Price Per Set (4).					<b>VC-K35</b>
Valve Spring Kit With Titanium Retainers	Kit includes performance dual PSI springs, Titanium retainers, and bottoms. OK to .415 valve lift. Price Per Set (4).					<b>VC-K14</b>
Valves, Stainless Intake Standard Size	Standard size 31 mm. Price (Each).					<b>IV-K25</b>
Valves, Stainless Intake Oversized +1 mm	Oversized to 32 mm. Price (Each).					<b>OV-K25</b>
Valves, Stainless Exhaust Standard Size	Standard size 25 mm. Price (Each).					<b>EV-K26</b>

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
Valves, Stainless Exhaust Oversized +1 mm Oversized to 26 mm. Price (Each).						OV-K26
Valves, Titanium Intake Standard Size Standard size 31 mm. Price (Each).						IV-K26
Valves, Titanium Intake Oversized +1 mm Oversized to 32 mm. Price (Each).						IV-K27
Valves, Titanium Exhaust Standard Size Standard size 25 mm. Price (Each).						EV-K27
Valves, Titanium Exhaust Oversized +1 mm Oversized to 26 mm. Price (Each).						EV-K28
Valve Guide, Shortened .140" Intake Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Price (Each).						VG-K03
Valve Guide, Shortened .095" (IN), .080" (EX) Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Fits 04-06 in / ex, 07-13 exhaust only. Price (Each).						VG-K00

Custom grinding is available please call us directly for details.

## Kawasaki KX 450 F (06-08) DOHC 4v

.415/.368	268°/263°	244°/235°	45/151i	N/A	61-041	61-042
High lift, short duration designed for torque. Excellent throttle response. Requires Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.415/.388	276°/268°	252°/244°	493/813	N/A	61-051	61-052
Performance profile designed to increase mid and upper end. Requires High Compression Piston, Exhaust System, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.408/.355	282°/282°	258°/258°	208/943	N/A	61-061	61-062
Race profile designed for flat track. Requires High Compression Piston, Exhaust System, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.418/.363	284°/286°	261°/263°	242/216	N/A	61-071	61-072
Race profile designed for flat track. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
Cam Core	Please specify year and model when ordering. Price Per Set (2).					CC-K16
Cam Gear, Adjustable With Adaptors	Use with all WEB CAM profiles for precise engine tuning. Kit includes adjustable sprockets, adapters, cam bolts. Price Per Set (2).					CG-K07
Buckets, Shim Under Standard Size	Includes 2 intake and 2 exhaust followers. Price Per Set (4).					CF-K04
Valve Spring Kit With Titanium Retainers	Kit includes performance dual springs Titanium retainers and lower collars. OK to .415" valve lift. Price Per Set (4).					VC-K23
Valves, Stainless Intake Standard Size	Standard size 36 mm. Price (Each).					IV-K05
Valves, Stainless Intake Oversized +1 mm	Oversized to 37 mm. Price (Each).					IV-K06

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
Valves, Stainless Exhaust Standard Size Standard size 31 mm. Price (Each).						EV-K05
Valves, Stainless Exhaust Oversized +1 mm Oversized to 32 mm. Price (Each).						EV-K06
Valve Guide, Shortened .135" intake, .055 exhaust Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Fits intake and exhaust. Price (Each).						VG-K07
Custom grinding is available please call us directly for more details.						
<b>Kawasaki KX 450 F (09-11) DOHC 4v</b>						
.415/.368	268°/263°	244°/235°	45/151i	N/A	61-090	61-092
High lift, short duration designed for torque. Excellent throttle response. Price Per Set (2).						
.415/.388	276°/268°	252°/244°	493/813	N/A	61-101	61-102
High lift with added duration increase increase the mid and upper end. Requires Exhaust System, and High Compression Piston. Check ALL clearances! Price Per Set (2).						
.415/.355	276°/276°	252°/252°	493/187	N/A	61-231	61-232
Performance profile designed to increase mid and upper end. Requires Exhaust System, and High Compression Piston. Check ALL clearances! Price Per Set (2).						
.408/.355	282°/282°	258°/258°	208/943	N/A	61-111	61-112
Race profile designed for flat track. Requires High Compression Piston, and Exhaust System. Check ALL clearances! Price Per Set (2).						
.418/.355	284°/282°	261°/258°	242/943	N/A	61-241	61-242
Race profile designed for flat track. Requires Exhaust System, and High Compression Piston. Check ALL clearances! Price Per Set (2).						
.418/.363	284°/286°	261°/263°	242/216	N/A	61-121	61-122
Race profile designed for flat track. Requires Exhaust System, and High Compression Piston. Check ALL clearances! Price Per Set (2).						
Cam Core Please specify year and model when ordering. Price Per Set (2).						CC-K17
Cam Gear, Adjustable With Adaptors Use with all WEB CAM profiles for precise engine tuning. Kit includes adjustable sprockets, adapters, cam bolts. Price Per Set (2).						CG-K08
Buckets, Shim Under Standard Size Includes 2 intake and 2 exhaust followers. Price Per Set (4).						CF-K04
Valve Spring Kit With Titanium Retainers Performance dual springs, titanium retainers, and HT Lower Collars. OK to .415" valve lift. Price Per Set (4).						VC-K34
Valves, Stainless Intake Standard Size Standard size 36 mm. Price (Each).						IV-K13
Valves, Stainless Intake Oversized +1 mm Oversized to 37 mm. Price (Each).						IV-K14
Valves, Stainless Exhaust Standard Size Oversized to 31 mm. Price (Each).						EV-K13
Valves, Stainless Exhaust Oversized +1 mm Oversized to 32 mm. Price (Each).						EV-K14

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
Valve Guide, Shortened .030" Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Fits intake and exhaust. Price (Each).						VG-K06
Custom grinding is available please call us directly for more details.						
<b>Kawasaki KX 450 F (2012) DOHC 4v</b>						
.415/.368	268°/263°	244°/235°	45/151i	N/A	61-090	61-092
High lift, short duration designed for torque. Excellent throttle response. Price Per Set (2).						
.415/.388	276°/268°	252°/244°	493/813	N/A	61-101	61-102
High lift with added duration increase increase the mid and upper end. Requires Exhaust System, and High Compression Piston. Check ALL clearances! Price Per Set (2).						
.415/.355	276°/276°	252°/252°	493/187	N/A	61-231	61-232
Performance profile designed to increase mid and upper end. Requires Exhaust System, and High Compression Piston. Check ALL clearances! Price Per Set (2).						
.408/.355	282°/282°	258°/258°	208/943	N/A	61-111	61-112
Race profile designed for flat track. Requires High Compression Piston, and Exhaust System. Check ALL clearances! Price Per Set (2).						
.418/.355	284°/282°	261°/258°	242/943	N/A	61-241	61-242
Race profile designed for flat track. Requires Exhaust System, and High Compression Piston. Check ALL clearances! Price Per Set (2).						
.418/.363	284°/286°	261°/263°	242/216	N/A	61-121	61-122
Race profile designed for flat track. Requires Exhaust System, and High Compression Piston. Check ALL clearances! Price Per Set (2).						
Cam Core Please specify year and model when ordering. Price Per Set (2).						CC-K17
Cam Gear, Adjustable With Adaptors Use with all WEB CAM profiles for precise engine tuning. Kit includes adjustable sprockets, adapters, cam bolts. Price Per Set (2).						CG-K08
Buckets, Shim Under Standard Size Includes 2 intake and 2 exhaust followers. Price Per Set (4).						CF-K04
Valve Spring Kit With Titanium Retainers Performance dual springs, titanium retainers, and HT Lower Collars. OK to .415" valve lift. Price Per Set (4).						VC-K34
Valves, Stainless Intake Standard Size Standard size 36 mm. Price (Each).						IV-K13
Valves, Stainless Intake Oversized +1 mm Oversized to 37 mm. Price (Each).						IV-K14
Valves, Stainless Exhaust Standard Size Oversized to 31 mm. Price (Each).						EV-K13
Valves, Stainless Exhaust Oversized +1 mm Oversized to 32 mm. Price (Each).						EV-K14
Valve Guide, Shortened .030" Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Fits intake and exhaust. Price (Each).						VG-K06

Custom grinding is available please call us directly for more details.

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Kawasaki KX 450 F (2013) DOHC 4v

.415/.368	268°/263°	244°/235°	45/151i	N/A	61-090	61-092
High lift, short duration designed for torque. Excellent throttle response. Price Per Set (2).						
.415/.388	276°/268°	252°/244°	493/813	N/A	61-101	61-102
High lift with added duration increase the mid and upper end. Requires Exhaust System, and High Compression Piston. Check ALL clearances! Price Per Set (2).						
.415/.355	276°/276°	252°/252°	493/187	N/A	61-231	61-232
Performance profile designed to increase mid and upper end. Requires Exhaust System, and High Compression Piston. Check ALL clearances! Price Per Set (2).						
.408/.355	282°/282°	258°/258°	208/943	N/A	61-111	61-112
Race profile designed for flat track. Requires High Compression Piston, and Exhaust System. Check ALL clearances! Price Per Set (2).						
.418/.355	284°/282°	261°/258°	242/943	N/A	61-241	61-242
Race profile designed for flat track. Requires Exhaust System, and High Compression Piston. Check ALL clearances! Price Per Set (2).						
.418/.363	284°/286°	261°/263°	242/216	N/A	61-121	61-122
Race profile designed for flat track. Requires Exhaust System, and High Compression Piston. Check ALL clearances! Price Per Set (2).						

Cam Core CC-K17  
Please specify year and model when ordering. Price Per Set (2).

Cam Gear, Adjustable With Adaptors CG-K08  
Use with all WEB CAM profiles for precise engine tuning. Kit includes adjustable sprockets, adaptors, cam bolts. Price Per Set (2).

Buckets, Shim Under Standard Size CF-K04  
Includes 2 intake and 2 exhaust followers. Price Per Set (4).

Valve Spring Kit With Titanium Retainers VC-K34  
Performance dual springs, titanium retainers, and HT Lower Collars. OK to .415" valve lift. Price Per Set (4).

Valves, Stainless Intake Standard Size IV-K13  
Standard size 36 mm. Price (Each).

Valves, Stainless Intake Oversized +1 mm IV-K14  
Oversized to 37 mm. Price (Each).

Valves, Stainless Exhaust Standard Size EV-K13  
Oversized to 31 mm. Price (Each).

Valves, Stainless Exhaust Oversized +1 mm EV-K14  
Oversized to 32 mm. Price (Each).

Valve Guide, Shortened .030" Standard Size VG-K06  
Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Fits intake and exhaust. Price (Each).

Custom grinding is available please call us directly for more details.

## Kawasaki KZ 440 (1981) Twin SOHC 4v

.300/.300	258°/258°	230°/230°	1100	N/A	61-701	N/A
Performance profile designed to increase mid and top end.						

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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### Kawasaki KZ 550 (80-85) DOHC 8v

.325/.325    270°/270°    234°/234°    86    N/A    60-161    N/A  
Improved performance for stock engines. Price Per Set (2).

.384/.384    276°/276°    240°/240°    119    N/A    60-171    N/A  
Good mid and upper end performance for hot street. Requires High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).

.400/.400    280°/280°    254°/254°    189    N/A    60-181    N/A  
Race profile designed to increase mid and upper end performance. Requires High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).

Valve Springs Only VS-K55  
Performance dual valve springs. Stock retainers OK. Price Per Set (8).

### Kawasaki KZ 650 (76-85) DOHC 8v

.365/.365    286°/286°    245°/245°    118    N/A    60-051    N/A  
Good overall performance for hot street engines. Requires Performance Valve Spring Kit. Price Per Set (2).

.395/.395    284°/284°    256°/256°    110    N/A    60-061    N/A  
Strong mid and upper end performance for street / strip. Requires Performance Valve Spring Kit. Price Per Set (2).

.400/.400    280°/280°    254°/254°    189    N/A    60-191    N/A  
Excellent mid and upper end performance for road race engines. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).

.422/.422    286°/286°    260°/260°    109    N/A    60-071    N/A  
Designed for drag racing. Excellent top end performance. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).

Valve Springs Only VS-K75  
Performance dual valve springs. Stock retainers OK. Price Per Set (8).

Valve Spring Kit With Aluminum Retainers VC-K75  
Kit includes performance dual springs, Aluminum retainers, and shims. OK to .450" valve lift. Price Per Set (8).

#### TECH NOTES:

Some engines made in 1983 and 1984 for the GPZ750 have a stock base circle size of 1.070". All other 750 and KZ 650 engines have a 1.110" base circle. Check this before sending your cams for grinding. Some profiles will need the cylinder head cut for lobe clearance! Cam degreasing is recommended with all our racing cams. See cam kit part AP-144

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Kawasaki KZ 750 (76-85) DOHC 8v

.365/.365	286°/286°	245°/245°	118	N/A	60-051	N/A
Good overall performance for hot street engines. Requires Performance Valve Spring Kit. Price Per Set (2).						
.395/.395	284°/284°	256°/256°	110	N/A	60-061	N/A
Strong mid and upper end performance for street / strip. Requires Performance Valve Spring Kit. Price Per Set (2).						
.400/.400	280°/280°	254°/254°	189	N/A	60-191	N/A
Excellent mid and upper end performance for road race engines. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).						
.422/.422	286°/286°	260°/260°	109	N/A	60-071	N/A
Designed for drag racing. Excellent top end performance. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						

Valve Springs Only **VS-K75**  
Performance dual valve springs. Stock retainers OK. Price Per Set (8).

Valve Spring Kit With Aluminum Retainers **VC-K75**  
Kit includes performance dual springs, Aluminum retainers, and shims. OK to .450" valve lift. Price Per Set (8).

### TECH NOTES:

Some engines made in 1983 and 1984 for the GPZ750 have a stock base circle size of 1.070". All other 750 and KZ 650 engines have a 1.110" base circle. Check this before sending your cams for grinding. Some profiles will need the cylinder head cut for lobe clearance! Cam degreasing is recommended with all our racing cams. See cam kit part AP-144

## Kawasaki Ninja 1000 (86-87) DOHC 16v

.360/.360	255°/255°	230°/230°	228	60-250	N/A	N/A
Bolt in profile increases low and mid range performance. Price Per Set (2).						
.390/.390	278°/278°	252°/252°	236	N/A	60-291	N/A
Strong mid and upper end performance for street / strip. Requires Performance Valve Spring Kit. Price Per Set (2).						
.430/.430	286°/286°	260°/260°	213	N/A	60-261	N/A
Tremendous top end performance for large displacement, high compression racing engines. Requires Performance Valve Spring Kit. Price Per Set (2).						

Cam Gear, Adjustable **CG-K02**  
Use with all WEB CAM profiles for precise engine tuning. Price Per Set (2).

Chain Tensioner, Manual **CT-K05**  
CNC machined from billet alloy to exact tolerances for perfect fit.

Valve Spring Kit With CrMo Retainers **VC-K91**  
Kit includes performance dual springs, Chrome Moly retainers and bottom cups. OK to .450" valve lift. Price Per Set (16).

Valve Spring Kit With Titanium Retainers **VC-K90**  
Kit includes performance dual springs, Titanium retainers, and bottom cups. Ok to .450" valve lift. Price Per Set (16).

## Kawasaki Ninja 250 R (86-07) DOHC 8v

.310/.310	264°/264°	240°/240°	315	N/A	60-301	N/A
Improves mid and upper end performance. Requires Performance Valve Spring Kit.						

Valve Spring Kit With Titanium Retainers **VC-K20**  
Kit includes performance dual springs and Titanium retainers. OK to .400" valve lift. Price Per Set (8).

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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### Kawasaki Ninja 250 R (08-12) DOHC 8v

.317/.308	264°/251°	236°/226°	568/176	N/A	61-181	N/A
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Performance profile to increase overall performance. Price Per Set (2).

### Kawasaki Ninja 600 R (85-96) DOHC 16v

.340/.340	275°/275°	250°/250°	236	N/A	60-101	N/A
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Good mid and upper end performance for hot street. Requires Performance Valve Spring Kit. Price Per Set (2).

.380/.380	286°/286°	256°/256°	255	N/A	60-111	N/A
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Excellent mid and upper end performance for racing engines. Requires High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).

Valve Spring Kit With Titanium Retainers VC-K61  
 Kit includes performance dual springs and Titanium retainers. OK to .430" valve lift. Price Per Set (16).

### Kawasaki Ninja 650 R (06-13) DOHC 8v

.368/.330	263°/252°	235°/226°	151i/577	N/A	60-711	N/A
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Performance profile designed to increase overall performance. Hot street. Price Per Set (2).

.378/.340	268°/260°	244°/236°	536/298	N/A	60-761	N/A
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Improves mid and upper end performance. Requires High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).

### Kawasaki Ninja 900 (84-86) DOHC 16v

.360/.360	255°/255°	230°/230°	228	60-250	N/A	N/A
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Bolt in profile increases low and mid range performance. Price Per Set (2).

.390/.390	278°/278°	252°/252°	236	N/A	60-291	N/A
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Strong mid and upper end performance for street / strip. Requires Performance Valve Spring Kit. Price Per Set (2).

.430/.430	286°/286°	260°/260°	213	N/A	60-261	N/A
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Tremendous top end performance for large displacement, high compression racing engines. Requires Performance Valve Spring Kit. Price Per Set (2).

Cam Gear, Adjustable CG-K02  
 Use with all WEB CAM profiles for precise engine tuning. Price Per Set (2).

Chain Tensioner, Manual CT-K05  
 CNC machined from billet alloy to exact tolerances for perfect fit.

Valve Spring Kit With CrMo Retainers VC-K91  
 Kit includes performance dual springs, Chrome Moly retainers and bottom cups. OK to .450" valve lift. Price Per Set (16).

Valve Spring Kit With Titanium Retainers VC-K90  
 Kit includes performance dual springs, Titanium retainers, and bottom cups. Ok to .450" valve lift. Price Per Set (16).

### Kawasaki Ninja ZX 750 (87-90) DOHC 16v

Valve Spring Kit With CrMo Retainers VC-K33  
 Kit includes performance dual springs Chrome Moly retainers, bottom cups, keepers, and spring shims. OK to .450" valve lift. Price Per Set (16).

VALVE LIFT	DURATION	DURATION @.050		GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
.480	292°	266°	Pro-Stock class profile.	136	N/A	63-001	N/A
.478	298°	272°	Pro-Stock class profile.	511	N/A	63-011	N/A
.500	300°	275°	Pro-Stock class profile.	206	N/A	63-021	N/A
.502	289°	267°	Pro-Stock class profile.	575	N/A	63-031	N/A
.510	304°	278°	Pro-Stock class profile.	542	N/A	63-041	N/A
.513	308°	280°	Pro-Stock class profile.	668	N/A	63-051	N/A
.515	282°	265°	Pro-Stock class profile.	44	N/A	63-061	N/A
.518	298°	270°	Pro-Stock class profile.	475	N/A	63-071	N/A
.520	293°	270°	Pro-Stock class profile.	24	N/A	63-081	N/A
.538	301°	278°	Pro-Stock class profile.	246	N/A	63-091	N/A
.538	307°	283°	Pro-Stock class profile.	786	N/A	63-101	N/A
.550	300°	270°	Pro-Stock class profile.	476	N/A	63-111	N/A
.550	302°	276°	Pro-Stock class profile.	478	N/A	63-121	N/A
.560	294°	266°	Pro-Stock class profile.	574	N/A	63-131	N/A
.560	306°	278°	Pro-Stock class profile.	477	N/A	63-141	N/A
.565	292°	264°	Pro-Stock class profile.	509	N/A	63-151	N/A
.575	300°	273°	Pro-Stock class profile.	545	N/A	63-161	N/A
.579	300°	270°	Pro-Stock class profile.	484	N/A	63-171	N/A
.586	294°	268°	Pro-Stock class profile.	488	N/A	63-181	N/A
.592	296°	276°	Pro-Stock class profile.	521	N/A	63-191	N/A
.598	298°	274°	Pro-Stock class profile.	473	N/A	63-201	N/A
.606	296°	270°	Pro-Stock class profile.	487	N/A	63-211	N/A
.614	300°	272°	Pro-Stock class profile.	632	N/A	63-221	N/A
.622	304°	278°	Pro-Stock class profile.	636	N/A	63-231	N/A
.628	298°	271°	Pro-Stock class profile.	816	N/A	63-241	N/A
.639	298°	267°	Pro-Stock class profile.	907	N/A	63-251	N/A
.643	300°	269°	Pro-Stock class profile.	909	N/A	63-261	N/A
.645	293°	271°	Pro-Stock class profile.	908	N/A	63-271	N/A
.660	292°	271°	Pro-Stock class profile.	794	N/A	63-281	N/A
.660	300°	276°	Pro-Stock class profile.	793	N/A	63-291	N/A
.660	308°	278°	Pro-Stock class profile.	615	N/A	63-301	N/A

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
Buckets, Shim Under "Pro" PM Oversized Shim under-style. Oversized to 35 mm. Price (Each).						CF-K12
Buckets, Shim Under "Pro" Oversized Oversized to 35 mm WIC coated shim under-style buckets. Must be used with a MTC billet head. Machining required.						CF-K11

**PLEASE NOTE**

Pro Stock profiles are hardwelded and ground on your original camshafts, or we have new billet cams for the Kawasaki / Suzuki. These profiles can be used on the intake cam or the exhaust. Please specify base circle size and lobe spacing when ordering. Most profiles require using billet heads.

**Kawasaki Pro (Radius) DOHC 8v**

.695	315°	295°	Pro-Stock class profile.	926	N/A	64-001	N/A
.700	300°	288°	Pro-Stock class profile.	923	N/A	64-011	64-012
.700	311°	300°	Pro-Stock class profile.	945	N/A	64-021	64-022
.705	308°	291°	Pro-Stock class profile.	932	N/A	64-031	64-032
.760	314°	304°	Pro-Stock class profile.	957	N/A	64-041	64-042
.800	313°	303°	Pro-Stock class profile.	969	N/A	64-051	64-052

PLEASE NOTE: THESE MUST BE ORDERED FROM RICK WARD. THANK YOU FOR YOUR UNDERSTANDING. Pro Stock profiles are hardwelded and ground on your original camshafts, or we have new cams for the Kawasaki / Suzuki. These profiles can be used on the intake cam or the exhaust. Please specify base circle size and lobe spacing when ordering. Most profiles require using billet heads. All radius profiles are measured with a flat follower for comparisons only. Durations will change depending on the radius of your follower. Please call if you need more information.

**Kawasaki Vulcan 1500 V Twin SOHC 8v**

.318/.306	244°/240°	222°/220°		452/599	N/A	60-481	N/A
Performance profile designed to increase overall performance. Stock springs OK. Price Per Set (2).							
Rocker Arm, Extended Hardwelded						ER-K00	
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).							

**Kawasaki Vulcan 800 (95-06) V Twin SOHC 8v**

.387/.356	263°/254°			453/228	N/A	61-331	N/A
Performance profile designed to increase mid and upper end. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).							
Valve Spring Kit With Titanium Retainers						VC-K31	
Kit includes performance dual springs, Titanium retainers and Lower Collars. OK to .400" valve lift. Price Per Set (8).							

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Kawasaki ZL 900 Eliminator (1985) DOHC 16v

.360/.360 255°/255° 230°/230° 228 60-250 N/A N/A  
Bolt in profile increases low and mid range performance. Price Per Set (2).

.390/.390 278°/278° 252°/252° 236 N/A 60-291 N/A  
Strong mid and upper end performance for street / strip. Requires Performance Valve Spring Kit. Price Per Set (2).

.430/.430 286°/286° 260°/260° 213 N/A 60-261 N/A  
Tremendous top end performance for large displacement, high compression racing engines. Requires Performance Valve Spring Kit. Price Per Set (2).

Cam Gear, Adjustable CG-K02  
Use with all WEB CAM profiles for precise engine tuning. Price Per Set (2).

Chain Tensioner, Manual CT-K05  
CNC machined from billet alloy to exact tolerances for perfect fit.

Valve Spring Kit With CrMo Retainers VC-K91  
Kit includes performance dual springs, Chrome Moly retainers and bottom cups. OK to .450" valve lift. Price Per Set (16).

Valve Spring Kit With Titanium Retainers VC-K90  
Kit includes performance dual springs, Titanium retainers, and bottom cups. Ok to .450" valve lift. Price Per Set (16).

## Kawasaki ZRX 1100 (99-00) DOHC 16v

Cam Gear, Adjustable CG-K01  
Use with all WEB CAM profiles for precise engine tuning. Price Per Set (2).

## Kawasaki ZRX 1200 R (01-05) DOHC 16v

402/644 N/A 61-281 N/A  
Performance profile to increase overall performance. Requires Extended Rockers, Exhaust System, and High Compression Piston. Price Per Set (2).

.410/.410 264°/264° 242°/242° 40b N/A 61-291 N/A  
Race profile designed for extreme acceleration with added mid and upper end performance. Requires Exhaust System, Extended Rockers, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).

Rocker Arm, Extended Hardwelded HR-K01  
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).

Rocker Arm, Core RC-K01  
Please specify year and model when ordering. Price (Each).

## Kawasaki ZX 10 Ninja (88-90) DOHC 16v

.388/.388 275°/275° 244°/244° 263 N/A 60-781 N/A  
Bolt in profile increases overall performance throughout RPM range. Stock springs OK. Requires Extended Rockers. Price Per Set (2).

.410/.388 280°/275° 250°/244° 40b/263 N/A 60-631 N/A  
Improves mid and upper end performance. Requires Performance Valve Spring Kit, Exhaust System, High Compression Piston, and Extended Rockers. Price Per Set (2).

.410/.410 280°/280° 250°/250° 40b N/A 60-141 N/A  
Race profile designed to increase mid and upper end performance. Requires Exhaust System, High Compression Piston, Performance Valve Spring Kit, and Extended Rockers. Price Per Set (2).

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
Cam Gear, Adjustable Use with all WEB CAM profiles for precise engine tuning. Price Per Set (2).						CG-K01
Chain Tensioner, Manual CNC machined from billet alloy to exact tolerances for perfect fit.						CT-K05
Chain Tensioner, Manual This tensioner allows the cam chain to remain constant. CNC machined from billet alloy to exact tolerances. Fits ZX 10 / 11 engines.						CT-K01
Rocker Arm, Extended Hardwelded We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).						HR-K01
Rocker Arm, Core Please specify year and model when ordering. Price (Each).						RC-K01
Retainers, Titanium Light weight CNC machined. Use with VS-K01. Can be used with stock keepers. Price Per Set (16).						RT-K01
Valve Springs Only Performance dual valve springs. Can be used with stock retainers or RT-K01.						VS-K01

## Kawasaki ZX 10 R (04-05) DOHC 16v

.355/.332	276°/271°	252°/245°	187/1077	60-960	N/A	N/A
Performance profile designed to increase overall performance. Requires High Compression Piston. Price Per Set (2).						
.384/.358	272°/268°	248°/241°	540/11i	N/A	60-741	N/A
Improves mid and upper end performance. Additional charge will apply for part number 60-741 profile to hard chrome journals. See part CJ-000, otherwise order new billets 60-742. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).						
Hard Chrome Journals						CJ-000
We will hard chrome and regrind your cam journals. Price Per Set (2).						
Valve Springs Only						VS-K02
Performance single valve springs. Stock retainers OK. OK to 0.500" lift. Price Per Set (16).						

**\*PLEASE NOTE SOME PROFILES MAY REQUIRE HARD CHROMING, ADDITIONAL COST WILL APPLY\***  
Custom profiles available for this model, please call us direct.

## Kawasaki ZX 10 R (08-10) DOHC 16v

.396/.348	268°/260°	245°/235°	1040/179i	N/A	61-161	N/A
Performance profile designed to increase mid and upper end. Requires Exhaust System, and High Compression Piston. Check ALL clearances! Price Per Set (2).						
.400/.384	280°/272°	256°/248°	539/540	N/A	61-211	N/A
Race profile designed for extreme acceleration with added mid and upper end performance. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						

## Kawasaki ZX 10 R (11-13) DOHC 16v

Hard Chrome Journals						CJ-000
We will hard chrome and regrind your cam journals. Price Per Set (2).						

**\*PLEASE NOTE SOME PROFILES MAY REQUIRE HARD CHROMING, ADDITIONAL COST WILL APPLY\***  
Custom profiles available for this model, please call us directly.

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Kawasaki ZX 10 R (06-07) DOHC 16v

.355/.332	276°/264°	252°/239°	187/117	60-690	N/A	N/A
Performance profile designed to increase overall performance. Cams have a reduced base circle. Requires High Compression Piston. Price Per Set (2).						
.355/.332	276°/270°	252°/245°	187/1077	60-980	N/A	N/A
Performance profile designed to increase mid and upper end performance. Cams have a reduced base circle. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.400/.384	280°/272°	256°/248°	539/540	N/A	60-911	60-912
Improves mid and upper end performance. Additional charge will apply for part number 60-911 profile to hard chrome journals. See part CJ-000, otherwise order new billets 60-912. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
Hard Chrome Journals We will hard chrome and regrind your cam journals. Price Per Set (2).						CJ-000
Valve Springs Only Performance single valve springs. Stock retainers OK. OK to 0.500" lift. Price Per Set (16).						VS-K02

**\*PLEASE NOTE SOME PROFILES MAY REQUIRE HARD CHROMING, ADDITIONAL COST WILL APPLY\***  
Custom profiles available for this model, please call us direct.

## Kawasaki ZX 11 Ninja (90-01) DOHC 16v

.388/.388	275°/275°	244°/244°	263	N/A	60-781	N/A
Bolt in profile increases overall performance throughout RPM range. Stock springs OK. Requires Extended Rockers. Price Per Set (2).						
.410/.388	280°/275°	250°/244°	40b/263	N/A	60-631	N/A
Improves mid and upper end performance. Requires Performance Valve Spring Kit, Exhaust System, High Compression Piston, and Extended Rockers. Price Per Set (2).						
.410/.410	280°/280°	250°/250°	40b	N/A	60-141	N/A
Race profile designed to increase mid and upper end performance. Requires Exhaust System, High Compression Piston, Performance Valve Spring Kit, and Extended Rockers. Price Per Set (2).						
Cam Gear, Adjustable Use with all WEB CAM profiles for precise engine tuning. Price Per Set (2).						CG-K01
Chain Tensioner, Manual CNC machined from billet alloy to exact tolerances for perfect fit.						CT-K05
Chain Tensioner, Manual This tensioner allows the cam chain to remain constant. CNC machined from billet alloy to exact tolerances. Fits ZX 10 / 11 engines.						CT-K01
Rocker Arm, Extended Hardwelded We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).						HR-K01
Rocker Arm, Core Please specify year and model when ordering. Price (Each).						RC-K01
Retainers, Titanium Light weight CNC machined. Use with VS-K01. Can be used with stock keepers. Price Per Set (16).						RT-K01
Valve Springs Only Performance dual valve springs. Can be used with stock retainers or RT-K01.						VS-K01

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
.382/.360	272°/270°	248°/246°	540/116	N/A	<b>60-531</b>	N/A
Performance profile designed to increase overall performance. Requires Performance Valve Spring Kit. Price Per Set (2).						
.383/.369	276°/280°	253°/252°	227/549	N/A	<b>60-571</b>	N/A
Performance profile designed to increase mid and upper end. Helps rev past power peak. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).						
.383/.378	276°/268°	253°/244°	227/536	N/A	<b>60-541</b>	N/A
Performance profile designed to increase mid and upper end. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).						
.383/.384	276°/272°	253°/248°	227/540	N/A	<b>60-561</b>	N/A
Race profile designed to increase mid and upper end performance. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).						
.415/.395	268°/266°	244°/242°	45/483	N/A	<b>61-031</b>	N/A
High lift, short duration for racing engines. Can be used for a turbo application. 28 mm tappets required with this profile. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
Cam Gear, Adjustable Use with all WEB CAM profiles for precise engine tuning. Price Per Set (2).						<b>CG-K12</b>
Chain Tensioner, Manual CNC machined from billet alloy to exact tolerances for perfect fit.						<b>CT-K07</b>
Valve Spring Kit With Titanium Retainers Kit includes performance dual springs, Titanium retainers, and shims. Handles up to 0.445" valve lift. Price Per Set (16).						<b>VC-K30</b>
Valves, Stainless Intake Standard Size Standard size 33.40 mm. Price (Each).						<b>IV-K02</b>
Valves, Stainless Intake Oversized +1 mm Oversized to 34.40 mm. Price (Each).						<b>OV-K01</b>
Valves, Stainless Exhaust Standard Size Standard size 28.24 mm. Price (Each).						<b>EV-K02</b>
Valves, Stainless Exhaust Oversized +1 mm Oversized to 29.24 mm. Price (Each).						<b>OV-K02</b>

Please note: The 2000 model camshafts are not interchangeable!

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
<b>Kawasaki ZX 14 (06-11) DOHC 16v</b>						
.360/.335	270°/263°	246°/238°	116/670	61-650	N/A	61-652
Performance profile to increase overall power. Price Per Set (2).						
.369/.350	280°/266°	252°/240°	549/194	N/A	60-721	60-722
Performance profile to increase mid and upper end. Additional charge will apply for part number 60-721 to hard chrome journals, see part CJ-000. Does not apply to the new billets. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.383/.358	276°/268°	253°/241°	227/11i	N/A	60-731	60-732
Race profile to increase mid and upper end performance. Additional charge will apply for part number 60-731 to hard chrome journals, see part CJ-000. Does not apply to the new billets. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.395/.378	266°/267°	242°/244°	483/536	N/A	60-751	60-752
Designed to produce excellent torque and acceleration. Additional charge will apply for part number 60-751 to hard chrome journals, see part CJ-000. Does not apply to the new billets. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.415/.378	274°/268°	250°/244°	45+3°(6°)/536	N/A	61-361	61-362
Race profile designed for extreme acceleration with added mid and upper end performance. Additional charge will apply for part number 61-371 to hard chrome journals, see part CJ-000. Does not apply to the new billets. Requires Exhaust System, High Compression Piston, Larger Diameter Followers, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.425/.378	278°/268°	250°/244°	1039/536	N/A	61-371	61-372
Race profile designed for extreme acceleration with added mid and upper end performance. Additional charge will apply for part number 61-371 to hard chrome journals, see part CJ-000. Does not apply to the new billets. Requires Exhaust System, High Compression Piston, Performance Valve Spring Kit, and Larger Diameter Followers. Check ALL clearances! Price Per Set (2).						
Hard Chrome Journals						CJ-000
We will hard chrome and regrind your cam journals. Price Per Set (2).						
Cam Gear, Adjustable						CG-K03
Use with all WEB CAM profiles for precise engine tuning. Price Per Set (2).						
Chain Tensioner, Manual						CT-K08
CNC machined from billet alloy to exact tolerances for perfect fit.						
Valve Springs Only						VS-K02
Performance single valve springs. Stock retainers OK. OK to 0.500" lift. Price Per Set (16).						
Valve Spring Kit With Titanium Retainers						VC-K11
Kit includes performance dual springs and Titanium retainers. OK to .405 valve lift. Price Per Set (16).						
Valves, Stainless Intake Standard Size						IV-K11
Standard size 33.40 mm. Price (Each).						
Valves, Stainless Intake Oversized +1 mm						IV-K12
Oversized to 34.40 mm. Price (Each).						
Valves, Stainless Exhaust Standard Size						EV-K01
Standard size 33.40 mm. Price (Each).						
Valves, Stainless Exhaust Oversized +1 mm						EV-K11
Oversized to 29.25 mm. Price (Each).						
Valve Guide, Shortened .050" Standard Size						VG-K05
Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Fits intake and exhaust. Price (Each).						

**\*PLEASE NOTE: All hard welded profiles will require hard chroming the journals, additional cost will apply\*  
Custom grinding is available please call us directly for more details.**

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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### Kawasaki ZX 14 (12-13) DOHC 16v

Cam Gear, Adjustable

Use with all WEB CAM profiles for precise engine tuning. Price Per Set (2).

CG-K14

### Kawasaki ZX 6 D (89-93) DOHC 16v

.360/.360 270°/270° 246°/246°

116 N/A 60-331 N/A

Offers increased mid and upper end performance. Requires Performance Valve Spring Kit. Price Per Set (2).

### Kawasaki ZX 6 E Ninja (93-02) DOHC 16v

.370/.340 279°/260° 249°/234°

515+2.5°[5°]/247 60-310 N/A N/A

Offers increased mid and upper end performance. Price Per Set (2).

### Kawasaki ZX 6 R (09-12) DOHC 16v

.360/.303 266°/256° 242°/223°

297/567 N/A 61-641 N/A

Performance profile designed to increase mid and upper end. Additional charge will apply for this profile to hard chrome journals. See part CJ-000. Requires Exhaust System, and High Compression Piston. Check ALL clearances! Price Per Set (2).

Hard Chrome Journals

We will hard chrome and regrind your cam journals. Price Per Set (2).

CJ-000

Custom grinding is available please call us directly for more details.

### Kawasaki ZX 6 R Ninja (95-99) DOHC 16v

.370/.340 279°/260° 249°/234°

515+2.5°[5°]/247 60-810 N/A N/A

Offers increased mid and upper end performance. Price Per Set (2).

### Kawasaki ZX 7 Ninja (89-90) DOHC 16v

.388/.350 284°/276° 249°/238°

163/225 N/A 60-341 N/A

Offers increased mid and upper end performance. Requires Performance Valve Spring Kit. Price Per Set (2).

Cam Gear, Adjustable

Use with all WEB CAM profiles for precise engine tuning. Price Per Set (2).

CG-K05

Valve Spring Kit With Titanium Retainers

Kit includes performance dual springs, Titanium retainers, bottom cups, and .040 shims. OK to .450" valve lift. Price Per Set (16).

VC-K04

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
<b>Kawasaki ZX 7 Ninja (91-95) DOHC 16v</b>						
.358/.358	268°/268°	244°/244°	235	N/A	60-391	N/A
Improved mid and upper end performance. Stock springs OK. Price Per Set (2).						
.385/.358	268°/268°	244°/244°	263/235	N/A	60-401	N/A
Special road racing profile. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).						
.390/.365	270°/260°	252°/240°	585/586	N/A	60-451	N/A
Race profile designed for extreme acceleration with added mid and upper end performance. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
Cam Gear, Adjustable						N/A
Use with all WEB CAM profiles for precise engine tuning. Complete kit includes two adapters, adjustable sprockets, and four bolts. Price Per Set (2).						
Rocker Arm, Extended Hardwelded						HR-K01
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).						
Rocker Arm, Core						RC-K01
Please specify year and model when ordering. Price (Each).						
Valve Spring Kit With Titanium Retainers						VC-K06
Kit includes performance dual springs and Titanium retainers. OK to .425" valve lift. Price Per Set (16).						

## Kawasaki ZX 7 R Ninja (96-03) DOHC 16v

.376/.317	272°/264°	248°/236°	1002/568	N/A	61-131	N/A
Race profile designed to increase mid and upper end performance. Requires High Compression Piston, and Carburetor modification may be necessary. Check ALL clearances! Price Per Set (2).						
.378/.330	268°/252°	244°/226°	536/577	N/A	60-521	N/A
Performance profile designed to increase overall performance. Stock springs OK. Requires High Compression Piston, Exhaust System, and Carburetor modification may be necessary. Price Per Set (2).						
Cam Gear, Adjustable						N/A
Use with all WEB CAM profiles for precise engine tuning. Complete kit includes two adapters, adjustable sprockets, and four bolts. Price Per Set (2).						

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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### Kawasaki ZX 9 Ninja (94-97) DOHC 16v

.390/.365	270°/260°	252°/240°	585/586	N/A	60-441	N/A
Special racing profile. Increases mid and upper end performance. Requires Performance Valve Spring Kit. Price Per Set (2).						
Cam Gear, Adjustable With Adaptors Use with all WEB CAM profiles for precise engine tuning. Complete kit includes two adapters, adjustable sprockets, and four bolts. Price Per Set (2).						CG-K00
Chain Tensioner, Manual CNC machined from billet alloy to exact tolerances for perfect fit.						CT-K00
Rocker Arm, Extended Hardwelded We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).						HR-K01
Rocker Arm, Core Please specify year and model when ordering. Price (Each).						RC-K01
Valve Spring Kit With Titanium Retainers Kit includes performance dual springs and Titanium retainers. OK to .425" valve lift. Price Per Set (16).						VC-K06
Valve Spring Kit With Titanium Retainers Kit includes performance dual springs, Titanium retainers, and HT bottoms. OK to .470 valve lift. Price Per Set (16).						VC-K98

### Kawasaki ZX 9 Ninja (98-99) DOHC 16v

.384/.368	276°/263°	240°/235°	119/151i	N/A	60-471	N/A
Improves mid and upper end performance for racing. Excellent throttle response. Requires Performance Valve Spring Kit. Price Per Set (2).						
.386/.378	278°/268°	248°/244°	789/536	N/A	61-141	N/A
Race profile designed for extreme acceleration with added mid and upper end performance. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
Cam Gear, Adjustable Use with all WEB CAM profiles for precise engine tuning. Kit includes adapters, adjustable sprockets, and bolts. Price Per Set (2).						CG-K98
Chain Tensioner, Manual CNC machined from billet alloy to exact tolerances for perfect fit.						CT-K04
Valve Spring Kit With Titanium Retainers Kit includes performance dual springs, Titanium retainers, and HT bottoms. OK to .470 valve lift. Price Per Set (16).						VC-K98

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Kawasaki ZX 9 Ninja (00-03) DOHC 16v

.388/.368    284°/263°    249°/235°    163/151i    N/A    **60-511**    N/A  
 Improves mid and upper end performance for racing. Excellent throttle response. Requires Performance Valve Spring Kit. Price Per Set (2).

.415/.395    276°/266°    252°/242°    493/483    N/A    **61-151**    N/A  
 Race profile designed for extreme acceleration with added mid and upper end performance. Requires Exhaust System, High Compression Piston, Performance Valve Spring Kit, and 28 mm Larger Diameter Followers. Check ALL clearances! Price Per Set (2).

Cam Gear, Adjustable **CG-K98**  
 Use with all WEB CAM profiles for precise engine tuning. Kit includes adapters, adjustable sprockets, and bolts. Price Per Set (2).

Chain Tensioner, Manual **CT-K04**  
 CNC machined from billet alloy to exact tolerances for perfect fit.

Valve Spring Kit With Titanium Retainers **VC-K98**  
 Kit includes performance dual springs, Titanium retainers, and HT bottoms. OK to .470 valve lift. Price Per Set (16).

## Kawasaki ZZR 12 (02-05) DOHC 16v

.388/.388    275°/275°    244°/244°    263    N/A    **60-781**    N/A  
 Bolt in profile increases overall performance throughout RPM range. Stock springs OK. Requires Extended Rockers. Price Per Set (2).

.410/.388    280°/275°    250°/244°    40b/263    N/A    **60-631**    N/A  
 Improves mid and upper end performance. Requires Performance Valve Spring Kit, Exhaust System, High Compression Piston, and Extended Rockers. Price Per Set (2).

.410/.410    280°/280°    250°/250°    40b    N/A    **60-141**    N/A  
 Race profile designed to increase mid and upper end performance. Requires Exhaust System, High Compression Piston, Performance Valve Spring Kit, and Extended Rockers. Price Per Set (2).

Cam Gear, Adjustable **CG-K01**  
 Use with all WEB CAM profiles for precise engine tuning. Price Per Set (2).

Chain Tensioner, Manual **CT-K01**  
 This tensioner allows the cam chain to remain constant. CNC machined from billet alloy to exact tolerances. Fits ZX 10 / 11 engines.

Rocker Arm, Extended Hardwelded **HR-K01**  
 We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).

Rocker Arm, Core **RC-K01**  
 Please specify year and model when ordering. Price (Each).

Retainers, Titanium **RT-K01**  
 Light weight CNC machined. Use with VS-K01. Can be used with stock keepers. Price Per Set (16).

Valve Springs Only **VS-K01**  
 Performance dual valve springs. Can be used with stock retainers or RT-K01.

## Kawasaki ZZR 600 (ZX 600 E) (03-04) DOHC 16v

.360/.350    270°/256°    246°/232°    116/556    N/A    N/A    N/A  
 Offers increased mid and upper end performance. Price Per Set (2).

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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### KTM 250 SXF (07-08) DOHC 4v

.423	265°	247°	1206	N/A	N/A	62-082
High lift short duration intake cam produces good overall power. Excellent throttle response. Requires Exhaust System, and High Compression Piston. Check ALL clearances! Price (Each).						
.423	277°	261°	421	N/A	N/A	62-072
Performance intake profile designed to increase mid and upper end. Works excellent for Motocross applications. Requires Performance Valve Spring Kit, High Compression Piston, and Exhaust System. Check ALL clearances! Price (Each).						

### KTM 250 SXF (09-10) DOHC 4v

.423	265°	247°	1206	N/A	N/A	62-082
High lift short duration intake cam produces good overall power. Excellent throttle response. Requires Exhaust System, and High Compression Piston. Check ALL clearances! Price (Each).						
.423	277°	261°	421	N/A	N/A	62-072
Performance intake profile designed to increase mid and upper end. Works excellent for Motocross applications. Requires Performance Valve Spring Kit, High Compression Piston, and Exhaust System. Check ALL clearances! Price (Each).						

### KTM 250 SXF (11-13)

.423	265°	247°	1206	N/A	N/A	62-082
High lift short duration intake cam produces good overall power. Excellent throttle response. Requires Exhaust System, and High Compression Piston. Check ALL clearances! Price (Each).						
.423	277°	261°	421	N/A	N/A	62-072
Performance intake profile designed to increase mid and upper end. Works excellent for Motocross applications. Requires Performance Valve Spring Kit, High Compression Piston, and Exhaust System. Check ALL clearances! Price (Each).						

### KTM 400 SX (00-01) SOHC 4v

Valve Spring Kit With Titanium Retainers Beehive (Race)	VC-P06
Kit includes performance single Beehive springs, Titanium retainers, bottom cups, and shims. Must modify the stock keepers for cams profiles above 0.400" valve lift. OK to 0.450" valve lift. Recommended for mild applications. Check ALL clearances! Price Per Set (4).	
Valve Spring Kit With Titanium Retainers	VC-P05
Kit includes performance dual springs, Titanium retainers, bottom cups, and shims. Must modify the stock keepers for cams profiles above .400" valve lift. OK to 0.500" lift. Recommend for high RPM applications. Check ALL clearances! Price Per Set (4).	

Custom grinding is available please call us directly for more details.

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## KTM 450 (03-07) SOHC 4v

.387/.387	288°/282°		612/637	N/A	N/A	62-052
Excellent torque profile.						
.392/.387	296°/287°		673/291	N/A	N/A	62-042
Torque plus profile designed to increase acceleration without losing the top end.						
.410/.410	309°/309°		821	N/A	N/A	62-032
Performance profile designed to increase mid and upper end. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances!						
.431/.410	321°/309°		820/821	N/A	N/A	62-062
Performance profile designed to increase mid and upper end. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances!						

Valve Spring Kit With Titanium Retainers Beehive (Race) **VC-P06**  
 Kit includes performance single Beehive springs, Titanium retainers, bottom cups, and shims. Must modify the stock keepers for cams profiles above 0.400" valve lift. OK to 0.450" valve lift. Recommended for mild applications. Check ALL clearances! Price Per Set (4).

Valve Spring Kit With Titanium Retainers **VC-P05**  
 Kit includes performance dual springs, Titanium retainers, bottom cups, and shims. Must modify the stock keepers for cams profiles above .400" valve lift. OK to 0.500" lift. Recommend for high RPM applications. Check ALL clearances! Price Per Set (4).

## KTM 450 SXF (07-12) DOHC 4v

.466/.420	244°/232°		88mc/217	N/A	62-011	N/A
Excellent torque profile. Price Per Set (2).						
.460/.430	258°/255°		88a/673	N/A	62-121	N/A
Bolt in profile increases overall performance throughout RPM range. Price Per Set (2).						
.480/.440	267°/258°		808/709	N/A	62-021	N/A
Performance profile designed to increase mid and upper end. Requires High Compression Piston, Exhaust System, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						

Cam Core **CC-K15**  
 Please specify year and model when ordering. For core returns we only except the later style cam cores that are marked on the cams 77336009300 on the intake, and 77336009444 on the exhaust. Price Per Set (2).

## KTM 505 SXF (2008) DOHC 4v

.466/.420	244°/232°		88mc/217	N/A	62-011	N/A
Excellent torque profile. Price Per Set (2).						
.460/.430	258°/255°		88a/673	N/A	62-121	N/A
Bolt in profile increases overall performance throughout RPM range. Price Per Set (2).						
.480/.440	267°/258°		808/709	N/A	62-021	N/A
Performance profile designed to increase mid and upper end. Requires High Compression Piston, Exhaust System, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						

Cam Core **CC-K15**  
 Please specify year and model when ordering. For core returns we only except the later style cam cores that are marked on the cams 77336009300 on the intake, and 77336009444 on the exhaust. Price Per Set (2).

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## KTM 520 SX (00-03) SOHC 4v

Valve Spring Kit With Titanium Retainers Beehive (Race) VC-P06  
 Kit includes performance single Beehive springs, Titanium retainers, bottom cups, and shims. Must modify the stock keepers for cams profiles above 0.400" valve lift. OK to 0.450" valve lift. Recommended for mild applications. Check ALL clearances! Price Per Set (4).

Valve Spring Kit With Titanium Retainers VC-P05  
 Kit includes performance dual springs, Titanium retainers, bottom cups, and shims. Must modify the stock keepers for cams profiles above .400" valve lift. OK to 0.500" lift. Recommend for high RPM applications. Check ALL clearances! Price Per Set (4).

## KTM 600 (88-92) SOHC 4v

.385/.385	290°/290°	262°/262°	196	N/A	62-001	N/A
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Bolt in profile increases overall performance throughout RPM range.

## Matchless Brough Superior SS 80 (1937) V Twin Flathead 4v

			1207(Stock)	14-000	14-001	N/A
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Precision grind your cam to factory specifications. If cam is badly worn, use part number 14-001.

## Moto Guzzi 750 Twin

.395/.395	290°/290°	252°/252°	86a	N/A	53-001	N/A
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Performance profile designed to increase overall performance.

.450/.450	300°/300°	260°/260°	86b	N/A	53-011	N/A
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High lift racing profile. Requires High Compression Piston, Larger Diameter Followers, and Performance Valve Spring Kit. Check ALL clearances!

Valve Spring Kit With Titanium Retainers VC-M00  
 Kit includes performance dual springs, Titanium retainers, bottom cups, and shims. OK to .500" valve lift.

## Moto Guzzi 850 Twin

.395/.395	290°/290°	252°/252°	86a	N/A	53-001	N/A
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Performance profile designed to increase overall performance.

.450/.450	300°/300°	260°/260°	86b	N/A	53-011	N/A
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High lift racing profile. Requires High Compression Piston, Larger Diameter Followers, and Performance Valve Spring Kit. Check ALL clearances!

Valve Spring Kit With Titanium Retainers VC-M00  
 Kit includes performance dual springs, Titanium retainers, bottom cups, and shims. OK to .500" valve lift.

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
<b>Norton 750 Twin</b>						
.388/.388	290°/290°	250°/250°	12	N/A	51-001	N/A
Bolt in performance cam for street / touring.						
.390/.390	310°/310°	270°/270°	12a	N/A	51-011	N/A
Strong mid and upper end performance for hot street. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit.						
.438/.406	310°/310°	272°/270°	86c/12c	N/A	51-021	N/A
High lift cam originally designed for the Combat Commando. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances!						
Valve Spring Kit With Aluminum Retainers						VC-N01
Kit includes performance dual springs and Aluminum retainers. OK to .500" valve lift.						
Valve Spring Kit With Titanium Retainers						VC-N02
Kit includes performance dual springs , Titanium retainers, and bottom cups. OK to .450" valve lift.						
Valves, Stainless Intake Standard Size						IV-N01
Standard size 38.10 mm. Price (Each).						
Valves, Stainless Exhaust Standard Size						EV-N01
Standard size 33.02 mm. Price (Each).						
Valve Guide, Stock Height Intake Standard Size						VG-N01-I
Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010 Price (Each).						
Valve Guide, Stock Height Exhaust Standard Size						VG-N01-E
Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010 Price (Each).						

## Norton 850 Twin

.388/.388	290°/290°	250°/250°	12	N/A	51-001	N/A
Bolt in performance cam for street / touring.						
.390/.390	310°/310°	270°/270°	12a	N/A	51-011	N/A
Strong mid and upper end performance for hot street. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit.						
.438/.406	310°/310°	272°/270°	86c/12c	N/A	51-021	N/A
High lift cam originally designed for the Combat Commando. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances!						
Valve Spring Kit With Aluminum Retainers						VC-N01
Kit includes performance dual springs and Aluminum retainers. OK to .500" valve lift.						
Valve Spring Kit With Titanium Retainers						VC-N02
Kit includes performance dual springs , Titanium retainers, and bottom cups. OK to .450" valve lift.						

## Suzuki Bandit 1200 (97-05) DOHC 16v

.330/.330	266°/266°	240°/240°	223	N/A	70-191	70-192
Bolt in performance cams for stock 750cc. Requires Exhaust System, and Hardwelded Rockers. Price Per Set (2).						
.362/.330	255°/265°	230°/240°	453/223	N/A	70-791	70-792
Turbo profile increases performance throughout the RPM. Requires Exhaust System, Hardwelded Rockers, and Performance Valve Spring Kit. Price Per Set (2).						

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
.370/.330	270°/266°	246°/240°	236/223	N/A	70-341	70-342
Offers increased mid and upper end power for 750cc road racing. Requires Exhaust System, Hardwelded Rockers, and Performance Valve Spring Kit. Price Per Set (2).						
.370/.370	270°/270°	246°/246°	236	N/A	70-331	70-332
Improves mid and upper end performance. Hot street-strip. Requires Exhaust System, Hardwelded Rockers, High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).						
.380/.370	281°/270°	256°/246°	202/236	N/A	71-401	71-402
Good mid and upper end performance for large displacement racing engines. Requires Exhaust System, Extended Rockers, High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).						
.380/.380	281°/281°	256°/256°	202	N/A	70-381	70-382
Good mid and upper end performance for large displacement racing engines. Requires Exhaust System, Extended Rockers, High Compression Piston, Shortened Valve Guides, and Performance Valve Spring Kit. Price Per Set (2).						
.385/.325	280°/270°	246°/240°	29i/29e	N/A	71-411	71-412
Road race profile. Requires Exhaust System, Extended Rockers, High Compression Piston, Shortened Valve Guides, and Performance Valve Spring Kit. Price Per Set (2).						
.400/.400	280°/280°	256°/256°	479	N/A	70-531	70-532
Good mid and upper end performance for large displacement racing engines. Requires Exhaust System, Extended Rockers, High Compression Piston, Shortened Valve Guides, and Performance Valve Spring Kit. Price Per Set (2).						
.425/.425	272°/272°	248°/248°	267	N/A	70-391	70-392
High lift, short duration profile designed for drag race application. Requires Exhaust System, Extended Rockers, High Compression Piston, Shortened Valve Guides, and Performance Valve Spring Kit. Price Per Set (2).						
.425/.410	287°/268°	262°/246°	257/263	N/A	70-801	70-802
Racing profile for large displacement 1400cc+. Requires Exhaust System, Extended Rockers, High Compression Piston, Shortened Valve Guides, and Performance Valve Spring Kit. Price Per Set (2).						
Cam Gear, Adjustable						CG-S01
Use with all WEB CAM profiles for precise engine tuning. Fits Bandit 1200. Price Per Set (2).						
Chain Tensioner, Manual						CT-S03
This tensioner allows the cam chain to remain constant. CNC designed from billet alloy to exact tolerances. Fits GSXR 750 / 1100 oil cooled engines 1986 thru 1992, and Bandit 1200.						
Rocker Arm Hardwelded						HR-S11
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).						
Rocker Arm, Extended Hardwelded						ER-S11
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).						
Rocker Arm, Core						RC-S01
Please specify year and model when ordering. Price (Each).						
Adjusting Screws, Extended						AS-S00
Some cams have a reduced base circle size and do not require longer adjusting screws. Kit includes adjusting tool. Price Per Set (16).						
Retainers, Titanium						RT-S14
Fits GSXR 750 / 1100. Use with VS-S30. Light weight CNC machined. Price Per Set (16).						
Valve Springs Only						VS-S30
Performance dual valve springs. Can be used with stock retainers or RT-S14. OK to .440" Lift. Price Per Set (16).						
Valve Guide, Shortened .065" Standard Size						VG-S12
Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Locating shoulder moved up 0.050". Custom sizes available +.001, +.002, +.004, +.010. Required for cams over 0.380" valve lift. Fits GSXR 750/1100 through 1992. Fits intake and exhaust. Price (Each).						

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Suzuki DR 125 (82-88) SOHC 2v

1125      N/A      71-771      N/A

Performance profile designed to increase mid and upper end. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit.

Valve Spring Kit With CrMo Retainers **VC-S12**  
Kit includes performance dual springs Chrome Moly retainers, and bottom cups. OK to .480" valve lift. Price Per Set (2).

## Suzuki DR 250 (82-85) SOHC 4v

.364/.350      250°/246°      230°/226°      180      70-130      70-131      N/A  
Good all around profile for stock or modified engines.

.387/.372      261°/256°      240°/235°      402      N/A      70-141      N/A  
Excellent mid and upper end performance for competition engines. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit.

Cam Core **CC-S02**  
Please specify year and model when ordering. Price (Each).

Valve Spring Kit With Aluminum Retainers **VC-S25**  
Kit includes performance dual springs, Aluminum retainers, bottom cups, and shims. OK to .470" valve lift. Price Per Set (4).

## Suzuki DR 250 (90-95) SOHC 4v

.335/.335      264°/264°      240°/240°      223      N/A      70-171      N/A  
Bolt in profile increases overall performance throughout RPM range.

.390/.378      272°/272°      248°/248°      235/236      N/A      70-181      N/A  
Increases mid and upper end performance. Requires Exhaust System, High Compression Piston / Big Bore, Shortened Valve Guides, and Performance Valve Spring Kit.

Cam Core **CC-S05**  
Please specify year and model when ordering. Price (Each).

Valve Spring Kit With CrMo Retainers with shortened guides **VC-S22**  
Kit includes performance dual springs, Chrome Moly retainers, shortened valve guides, and shims. OK to .480" valve lift. Price Per Set (4).

Valve Spring Kit With Titanium Retainers & Guides **VC-S21**  
Kit includes performance dual springs, Titanium retainers, shortened valve guides, and shims. OK to .480" valve lift. Price Per Set (4).

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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### Suzuki DR 350 (90-93) SOHC 4v

.335/.335	264°/264°	240°/240°	223	N/A	70-171	N/A
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Bolt in profile increases overall performance throughout RPM range.

.390/.378	272°/272°	248°/248°	235/236	N/A	70-181	N/A
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Increases mid and upper end performance. Requires Exhaust System, High Compression Piston / Big Bore, Shortened Valve Guides, and Performance Valve Spring Kit.

Cam Core CC-S05  
Please specify year and model when ordering. Price (Each).

Valve Spring Kit With CrMo Retainers with shortened guides VC-S22  
Kit includes performance dual springs, Chrome Moly retainers, shortened valve guides, and shims. OK to .480" valve lift. Price Per Set (4).

Valve Spring Kit With Titanium Retainers & Guides VC-S21  
Kit includes performance dual springs, Titanium retainers, shortened valve guides, and shims. OK to .480" valve lift. Price Per Set (4).

### Suzuki DR 350 (94-99) SOHC 4v

.335/.335	264°/264°	240°/240°	223	N/A	70-961	N/A
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Bolt in profile increases overall performance throughout RPM range.

.390/.378	272°/272°	248°/248°	235/236	N/A	70-701	N/A
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Increases mid and upper end performance. Requires Exhaust System, High Compression Piston, Shortened Valve Guides, and Performance Valve Spring Kit.

Valve Spring Kit With CrMo Retainers with shortened guides VC-S22  
Kit includes performance dual springs, Chrome Moly retainers, shortened valve guides, and shims. OK to .480" valve lift. Price Per Set (4).

Valve Spring Kit With Titanium Retainers & Guides VC-S21  
Kit includes performance dual springs, Titanium retainers, shortened valve guides, and shims. OK to .480" valve lift. Price Per Set (4).

### Suzuki DR 500 (82-95) SOHC 4v

.390/.380	270°/270°	248°/248°	402	N/A	70-081	N/A
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Improved performance throughout RPM range. Requires Performance Valve Spring Kit.

.417/.405	275°/275°	254°/254°	40b	N/A	70-091	N/A
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Designed to increase mid and upper end performance. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit.

Cam Core CC-S04  
Please specify year and model when ordering. Price (Each).

Valve Spring Kit With Titanium Retainers VC-S65  
Kit includes performance dual springs, Titanium retainers, shims, and keepers. OK up to .500" valve lift. Fits DR 600 / 650. Price Per Set (4).

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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### Suzuki DR 650 (90-95) SOHC 4v

.390/.380 270°/270° 248°/248° 402 N/A 70-081 N/A  
Improved performance throughout RPM range. Requires Performance Valve Spring Kit.

.417/.405 275°/275° 254°/254° 40b N/A 70-091 N/A  
Designed to increase mid and upper end performance. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit.

Cam Core CC-S04  
Please specify year and model when ordering. Price (Each).

Valve Spring Kit With Titanium Retainers VC-S65  
Kit includes performance dual springs, Titanium retainers, shims, and keepers. OK up to .500" valve lift. Fits DR 600 / 650. Price Per Set (4).

### Suzuki DR 650 SE (96-13) SOHC 4v

.355/.335 264°/264° 240°/240° 223 N/A 70-501 N/A  
Performance profile designed to increase overall performance. Stock springs OK. Requires High Compression Piston.

Cam Core CC-S06  
Please specify year and model when ordering. Price (Each).

### Suzuki DRZ 110 (03-05) SOHC 2v

.245/.245 227°/227° 200°/200° 764 N/A 60-641 N/A  
Excellent throttle response. Increases overall power. Bolt in with no modifications.

.257/.257 220°/220° 186°/186° 98+2.5°(5°) N/A 60-621 N/A  
High lift short duration profile to increase throttle response.

.252/.256 232°/232° 209°/209° 547+2.5°(5°) N/A 60-611 N/A  
Improves mid and upper end performance. Requires High Compression Piston, and Exhaust System.

Cam Core CC-K10  
Please specify year and model when ordering. Price (Each).

Valve Spring Kit With Titanium Retainers VC-K27  
Kit includes performance dual springs, Titanium retainers, and bottom cups. OK to .350" valve lift. Price Per Set (2).

### Suzuki DRZ 400 (00-12) DOHC 4v

.360/.378 248°/268° 226°/244° 293/536 N/A 70-811 70-812  
Performance profile designed to increase overall performance. Cams have a reduced base circle. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).

.368/.360 260°/248° 234°/226° 288/293 N/A 70-591 70-592  
High lift to increase torque and increase overall performance. Cams have a reduced base circle. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).

.368/.384 260°/272° 234°/248° 288/540 N/A 70-821 70-822  
Race profile for built engines. Cams have a reduced base circle. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).

.384/.400 272°/280° 248°/256° 540/539 N/A 70-691 70-692  
Race profile for built engines. Cam has a reduced base circle. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).

Cam Core CC-S08  
Please specify year and model when ordering. New cams are sold outright. No core required. Price Per Set (2).

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
Cam Gear, Adjustable With Adaptors Use with all WEB CAM profiles for precise engine tuning. Kit includes adjustable sprockets, adapters, cam bolts. Price Per Set (2).						CG-S04
Valve Spring Kit With Titanium Retainers Kit includes performance dual springs, Titanium retainers, and bottoms. OK to .440" valve lift. Price Per Set (4).						VC-S40
Valves, Stainless Intake Standard Size Standard size 36 mm. Price (Each).						IV-S03
Valves, Stainless Intake Oversized +1 mm Oversized to 37 mm. Price (Each).						IV-S04
Valves, Stainless Exhaust Standard Size Standard size 29 mm. Price (Each).						EV-S03
Valves, Stainless Exhaust Oversized +1 mm Oversized to 30 mm. Price (Each).						EV-S04
Valve Guide, Shortened .050" Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Fits intake and exhaust. Price (Each).						VG-S01

## Suzuki GN 125 (1982) SOHC 2v

Performance profile to increase overall power.

453/1189 N/A 71-801 N/A

## Suzuki GS 1000 (78-82) DOHC 8v

.365/.365	286°/286°	245°/245°	118	N/A	70-051	N/A
High performance street profile for stock engines. Very broad power range. Stock base circle. Price Per Set (2).						
.395/.395	284°/284°	256°/256°	110	N/A	70-061	N/A
Good mid and upper end performance for hot street. Requires Exhaust System, High Compression Piston / Big Bore, and Performance Valve Spring Kit. Price Per Set (2).						
.418/.418	280°/280°	242°/242°	218	N/A	71-241	N/A
High lift short duration cam produces good overall power. Requires Exhaust System, High Compression Piston / Big Bore, Shim Under Followers, and Performance Valve Spring Kit. Price Per Set (2).						
.422/.422	286°/286°	260°/260°	109	N/A	70-071	N/A
Strong mid and upper end performance for racing engines. Requires Exhaust System, High Compression Piston, Shim Under Followers, and Performance Valve Spring Kit. Price Per Set (2).						
.460/.435	290°/288°	262°/260°	122/125	N/A	70-431	N/A
Designed for Super-Gas type racing engines. Cam has a reduced base circle. Requires Exhaust System, High Compression Piston, Shim Under Followers, and Performance Valve Spring Kit. Price Per Set (2).						
.480/.460	292°/290°	266°/262°	136/122	N/A	70-291	N/A
Designed for Super-Comp type racing engines. Cam has a reduced base circle. Requires Exhaust System, High Compression Piston, Shim Under Followers, and Performance Valve Spring Kit. Price Per Set (2).						
.500/.470	300°/300°	275°/275°	206/231	N/A	70-241	N/A
Designed for large displacement Pro-Stock / Top-Gas type racing engines. Cam has a reduced base circle. Requires Exhaust System, High Compression Piston, Shim Under Followers, and Performance Valve Spring Kit. Price Per Set (2).						
.515/.515	282°/282°	265°/265°	44	N/A	70-511	N/A
Designed for Pro-Stock type engines. Cam has a reduced base circle. Requires Exhaust System, High Compression Piston, Larger Diameter Shim Under Style Followers, and Performance Valve Spring Kit. Price Per Set (2).						

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
.520/.520	293°/293°	270°/270°	24	N/A	70-401	N/A
Designed for Pro-Stock type engines. Cam has a reduced base circle. Requires Exhaust System, High Compression Piston, Larger Diameter Shim Under Style Followers, and Performance Valve Spring Kit. Price Per Set (2).						
Cam Gear, Adjustable	Use with all WEB CAM profiles for precise engine tuning. Price Per Set (2).					CG-S78
Buckets, Shim Under Racing Standard Size	Shim-under style tappets. Standard size 33.5 mm. Fits GS 750 / 850 / 1000. Price Per Set (8).					CF-S10
Buckets, Shim Under Racing Oversized +0.020"	Fits GS 750 / 850 / 1000. Shim-under style. Oversized 0.020". Price Per Set (8).					CF-S12
Valve Springs Only	Performance valve springs. Stock retainers OK. Can handle up to .480" valve lift. Price Per Set (8).					VS-S10
Valve Spring Kit With Aluminum Retainers Shim Under	Kit includes performance dual springs, Aluminum retainers, bottom cups, shims, and keepers. OK to .500" valve lift. Shim-under. Price Per Set (8).					VC-S30
Valve Spring Kit With Aluminum Retainers Shim On Top	Kit includes performance dual springs, Aluminum retainers, bottom cups, shims, and keepers. OK to .400" valve lift. Shim on top. Check ALL clearances! Price Per Set (8).					VC-S10
Valve Spring Kit With Titanium Retainers "ProStock"	Kit includes performance dual springs and Titanium retainers. Shim-under style. Price Per Set (8).					VC-S31

## Suzuki GS 1100 (80-86) DOHC 16v

.310/.310	268°/268°	240°/240°	167	N/A	70-101	70-102
Good all around profile for stock engines. Increases power throughout RPM range. Requires Hardwelded Rockers. Price Per Set (2).						
.340/.340	266°/266°	240°/240°	223	N/A	70-281	70-282
Bolt in profile for GS 1150 engines. Increases performance throughout the RPM range. Must remove oil bump from rocker. Requires Hardwelded Rockers. Price Per Set (2).						
.348/.348	282°/282°	257°/257°	168	N/A	70-111	70-112
Strong mid and upper end performance for street / strip. Must remove oil bump from rocker. Requires Exhaust System, Hardwelded Rockers, High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).						
.370/.370	264°/264°	242°/242°	190	N/A	70-121	70-122
Designed for small displacement engines. Must remove oil bump from rocker. Requires Exhaust System, Hardwelded Rockers, High Compression Piston, Shortened Valve Guides, and Performance Valve Spring Kit. Price Per Set (2).						
.370/.370	284°/284°	256°/256°	212	N/A	70-251	70-252
Strong mid and upper end performance for large displacement pro street / strip engines. Must remove oil bump from rocker. Requires Exhaust System, Hardwelded Rockers, High Compression Piston / Big Bore, Shortened Valve Guides, and Performance Valve Spring Kit. Price Per Set (2).						
.390/.390	280°/280°	256°/258°	202	N/A	71-251	71-252
Strong mid and upper end performance for large displacement pro street / strip engines. Must remove oil bump from rocker. Requires Exhaust System, Extended Rockers, High Compression Piston / Big Bore, Shortened Valve Guides, and Performance Valve Spring Kit. Price Per Set (2).						
.420/.390	280°/280°	256°/256°	213/202	N/A	70-231	70-232
Designed for Pro-Stock type engines. Must remove oil bump from rocker. Requires Exhaust System, Extended Rockers, High Compression Piston / Big Bore, Shortened Valve Guides, and Performance Valve Spring Kit. Price Per Set (2).						
.418/.385	288°/288°	256°/256°	255/254	N/A	70-311	70-312
Designed for large displacement engines. Less aggressive than pro stock profiles for increased cam and rocker life. Must remove oil bump from rocker. Requires Exhaust System, Extended Rockers, High Compression Piston / Big Bore, Shortened Valve Guides, and Performance Valve Spring Kit. Price Per Set (2).						

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
.416/.416	266°/266°	244°/244°	263	N/A	70-151	70-152
Designed for Pro-Stock type engines. Must remove oil bump from rocker. Requires Exhaust System, Extended Rockers, High Compression Piston / Big Bore, Shortened Valve Guides, and Performance Valve Spring Kit. Price Per Set (2).						
.430/.390	298°/284°	268°/258°	240/202	N/A	70-301	70-302
Designed for large displacement (1500cc) pro street/strip engines. Must remove oil bump from rocker. Requires Exhaust System, Extended Rockers, High Compression Piston / Big Bore, Shortened Valve Guides, and Performance Valve Spring Kit. Price Per Set (2).						
.430/.420	298°/280°	268°/256°	240/213	N/A	71-261	71-262
Designed for Pro-Stock type engines. Must remove oil bump from rocker. Requires Exhaust System, Extended Rockers, High Compression Piston / Big Bore, Shortened Valve Guides, and Performance Valve Spring Kit. Price Per Set (2).						
.430/.430	298°/298°	268°/268°	240	N/A	70-711	70-712
Top fuel profile. Must remove oil bump from rocker. Requires Exhaust System, Extended Rockers, High Compression Piston / Big Bore, Shortened Valve Guides, and Performance Valve Spring Kit. Price Per Set (2).						
.430/.430	266°/266°	244°/244°	283	N/A	70-421	70-422
Designed for Pro-Stock type engines. Must remove oil bump from rocker. Requires Exhaust System, Extended Rockers, High Compression Piston / Big Bore, Shortened Valve Guides, and Performance Valve Spring Kit. Price Per Set (2).						
.430/.430	272°/272°	248°/248°	267	N/A	70-321	70-322
Designed for Pro-Stock type engines. Must remove oil bump from rocker. Requires Exhaust System, Extended Rockers, High Compression Piston / Big Bore, Shortened Valve Guides, and Performance Valve Spring Kit. Price Per Set (2).						
.440/.420	290°/280°	260°/256°	257/213	N/A	70-521	70-522
Designed for Pro-Stock type engines. Must remove oil bump from rocker. Requires Exhaust System, Extended Rockers, High Compression Piston / Big Bore, Shortened Valve Guides, and Performance Valve Spring Kit. Price Per Set (2).						
.445/.445	274°/274°	250°/250°	282	N/A	70-411	70-412
Designed for Pro-Stock type engines. Must remove oil bump from rocker. Requires Exhaust System, Extended Rockers, High Compression Piston / Big Bore, Shortened Valve Guides, and Performance Valve Spring Kit. Price Per Set (2).						
.460/.460	272°/272°	252°/252°	492	N/A	71-271	71-272
Designed for Pro-Stock type engines. Must remove oil bump from rocker. Requires Exhaust System, Extended Rockers, High Compression Piston / Big Bore, Shortened Valve Guides, and Performance Valve Spring Kit. Price Per Set (2).						
Cam Gear, Adjustable 30 Teeth						CG-S11
Use with all WEB CAM profiles for precise engine tuning. Price Per Set (2).						
Chain Tensioner, Manual						CT-S00
This tensioner allows the cam chain to remain constant. CNC designed form billet alloy to exact tolerances. Fits GS 1000 / 1150.						
Rocker Arm Hardwelded						HR-S10
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).						
Rocker Arm, Extended Hardwelded						ER-S10
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).						
Rocker Arm, Core						RC-S00
Please specify year and model when ordering. Price (Each).						
Adjusting Screws, Extended						AS-S00
Some cams have a reduced base circle size and do not require longer adjusting screws. Kit includes adjusting tool. Price Per Set (16).						
Retainers, Hard Anodized						RA-S10
Fits GS 750 / 1100 engines. To be used with VS-S11. Price Per Set (16).						
Retainers, Titanium						RT-S11
Fits GS 750 / 1100 engines. To be used with VS-S11. Light weight CNC machined. Price Per Set (16).						

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
Valve Springs Only						VS-S11
Performance dual valve springs. Can be used with stock retainers or RA-S10 or RT-S11. OK up to 0.440" valve lift. Price Per Set (16).						
Valve Guide, Shortened Guide gives you .430 retainer to guide seal clearance Standard Size						VG-S11
Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Locating shoulder moved up 0.050". Custom sizes available +.001, +.002, +.004, +.010. Required for cams over .380" valve lift. Fits intake and exhaust. Price (Each).						
Oiling Kit Top End						OK-S10
Top end oiling kit is highly recommended to use with all WEB CAM profiles. Made to install in minutes. Reduces heating and lubrication problems.						

**TECH TIPS:** The camshafts listed on this page have a 7mm sprocket hole. This is a fact Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Locating shoulder moved up 0.050". Custom sizes available +.001, +.002, +.004, +.010. Required for cams over 0.380" valve lift. Fits intake and exhaust. Price (Each).  
 ory bolt for stock engines 1984 and later. In some cases, when using cams with high lift profiles, it will be necessary to use extra long specially hardened rocker arm adjusting screws.

## Suzuki GS 1150 (80-86) DOHC 16v

.310/.310	268°/268°	240°/240°	167	N/A	70-101	70-102
Good all around profile for stock engines. Increases power throughout RPM range. Requires Hardwelded Rockers. Price Per Set (2).						
.340/.340	266°/266°	240°/240°	223	N/A	70-281	70-282
Bolt in profile for GS 1150 engines. Increases performance throughout the RPM range. Must remove oil bump from rocker. Requires Hardwelded Rockers. Price Per Set (2).						
.348/.348	282°/282°	257°/257°	168	N/A	70-111	70-112
Strong mid and upper end performance for street / strip. Must remove oil bump from rocker. Requires Exhaust System, Hardwelded Rockers, High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).						
.370/.370	264°/264°	242°/242°	190	N/A	70-121	70-122
Designed for small displacement engines. Must remove oil bump from rocker. Requires Exhaust System, Hardwelded Rockers, High Compression Piston, Shortened Valve Guides, and Performance Valve Spring Kit. Price Per Set (2).						
.370/.370	284°/284°	256°/256°	212	N/A	70-251	70-252
Strong mid and upper end performance for large displacement pro street / strip engines. Must remove oil bump from rocker. Requires Exhaust System, Hardwelded Rockers, High Compression Piston / Big Bore, Shortened Valve Guides, and Performance Valve Spring Kit. Price Per Set (2).						
.390/.390	280°/280°	256°/258°	202	N/A	71-251	71-252
Strong mid and upper end performance for large displacement pro street / strip engines. Must remove oil bump from rocker. Requires Exhaust System, Extended Rockers, High Compression Piston / Big Bore, Shortened Valve Guides, and Performance Valve Spring Kit. Price Per Set (2).						
.420/.390	280°/280°	256°/256°	213/202	N/A	70-231	70-232
Designed for Pro-Stock type engines. Must remove oil bump from rocker. Requires Exhaust System, Extended Rockers, High Compression Piston / Big Bore, Shortened Valve Guides, and Performance Valve Spring Kit. Price Per Set (2).						
.418/.385	288°/288°	256°/256°	255/254	N/A	70-311	70-312
Designed for large displacement engines. Less aggressive than pro stock profiles for increased cam and rocker life. Must remove oil bump from rocker. Requires Exhaust System, Extended Rockers, High Compression Piston / Big Bore, Shortened Valve Guides, and Performance Valve Spring Kit. Price Per Set (2).						
.416/.416	266°/266°	244°/244°	263	N/A	70-151	70-152
Designed for Pro-Stock type engines. Must remove oil bump from rocker. Requires Exhaust System, Extended Rockers, High Compression Piston / Big Bore, Shortened Valve Guides, and Performance Valve Spring Kit. Price Per Set (2).						

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
.430/.390	298°/284°	268°/258°	240/202	N/A	70-301	70-302
Designed for large displacement (1500cc) pro street/strip engines. Must remove oil bump from rocker. Requires Exhaust System, Extended Rockers, High Compression Piston / Big Bore, Shortened Valve Guides, and Performance Valve Spring Kit. Price Per Set (2).						
.430/.420	298°/280°	268°/256°	240/213	N/A	71-261	71-262
Designed for Pro-Stock type engines. Must remove oil bump from rocker. Requires Exhaust System, Extended Rockers, High Compression Piston / Big Bore, Shortened Valve Guides, and Performance Valve Spring Kit. Price Per Set (2).						
.430/.430	298°/298°	268°/268°	240	N/A	70-711	70-712
Top fuel profile. Must remove oil bump from rocker. Requires Exhaust System, Extended Rockers, High Compression Piston / Big Bore, Shortened Valve Guides, and Performance Valve Spring Kit. Price Per Set (2).						
.430/.430	266°/266°	244°/244°	283	N/A	70-421	70-422
Designed for Pro-Stock type engines. Must remove oil bump from rocker. Requires Exhaust System, Extended Rockers, High Compression Piston / Big Bore, Shortened Valve Guides, and Performance Valve Spring Kit. Price Per Set (2).						
.430/.430	272°/272°	248°/248°	267	N/A	70-321	70-322
Designed for Pro-Stock type engines. Must remove oil bump from rocker. Requires Exhaust System, Extended Rockers, High Compression Piston / Big Bore, Shortened Valve Guides, and Performance Valve Spring Kit. Price Per Set (2).						
.440/.420	290°/280°	260°/256°	257/213	N/A	70-521	70-522
Designed for Pro-Stock type engines. Must remove oil bump from rocker. Requires Exhaust System, Extended Rockers, High Compression Piston / Big Bore, Shortened Valve Guides, and Performance Valve Spring Kit. Price Per Set (2).						
.445/.445	274°/274°	250°/250°	282	N/A	70-411	70-412
Designed for Pro-Stock type engines. Must remove oil bump from rocker. Requires Exhaust System, Extended Rockers, High Compression Piston / Big Bore, Shortened Valve Guides, and Performance Valve Spring Kit. Price Per Set (2).						
.460/.460	272°/272°	252°/252°	492	N/A	71-271	71-272
Designed for Pro-Stock type engines. Must remove oil bump from rocker. Requires Exhaust System, Extended Rockers, High Compression Piston / Big Bore, Shortened Valve Guides, and Performance Valve Spring Kit. Price Per Set (2).						
Cam Gear, Adjustable 30 Teeth						CG-S11
Use with all WEB CAM profiles for precise engine tuning. Price Per Set (2).						
Chain Tensioner, Manual						CT-S00
This tensioner allows the cam chain to remain constant. CNC designed form billet alloy to exact tolerances. Fits GS 1000 / 1150.						
Rocker Arm Hardwelded						HR-S10
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).						
Rocker Arm, Extended Hardwelded						ER-S10
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).						
Rocker Arm, Core						RC-S00
Please specify year and model when ordering. Price (Each).						
Adjusting Screws, Extended						AS-S00
Some cams have a reduced base circle size and do not require longer adjusting screws. Kit includes adjusting tool. Price Per Set (16).						
Retainers, Hard Anodized						RA-S10
Fits GS 750 / 1100 engines. To be used with VS-S11. Price Per Set (16).						
Retainers, Titanium						RT-S11
Fits GS 750 / 1100 engines. To be used with VS-S11. Light weight CNC machined. Price Per Set (16).						

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
Valve Springs Only						VS-S11
Performance dual valve springs. Can be used with stock retainers or RA-S10 or RT-S11. OK up to 0.440" valve lift. Price Per Set (16).						
Valve Guide, Shortened Guide gives you .430 retainer to guide seal clearance Standard Size						VG-S11
Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Locating shoulder moved up 0.050". Custom sizes available +.001, +.002, +.004, +.010. Required for cams over .380" valve lift. Fits intake and exhaust. Price (Each).						
Oiling Kit Top End						OK-S10
Top end oiling kit is highly recommended to use with all WEB CAM profiles. Made to install in minutes. Reduces heating and lubrication problems.						

**TECH TIPS:** The camshafts listed on this page have a 7mm sprocket hole. This is a OEM bolt size for stock engines 1984 and later. In some cases, when using cams with high lift profiles, it will be necessary to use extra long specially hardened rocker arm adjusting screws.

## Suzuki GS 550 (77-82) DOHC 8v

.325/.325	270°/270°	234°/234°	86	N/A	70-021	N/A
Bolt in profile increases overall performance throughout RPM range. Price Per Set (2).						
.365/.365	286°/286°	245°/245°	118	N/A	70-031	N/A
Good mid and upper end performance for hot street-strip. Requires High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).						
.395/.395	284°/284°	256°/256°	110	N/A	70-041	N/A
Strong mid and upper end performance for racing engines. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).						

Valve Springs Only						VS-S10
Performance valve springs. Stock retainers OK. Can handle up to .480" valve lift. Price Per Set (8).						

## Suzuki GS 750 (78-82) DOHC 8v

.365/.365	286°/286°	245°/245°	118	N/A	70-051	N/A
High performance street profile for stock engines. Very broad power range. Stock base circle. Price Per Set (2).						
.395/.395	284°/284°	256°/256°	110	N/A	70-061	N/A
Good mid and upper end performance for hot street. Requires Exhaust System, High Compression Piston / Big Bore, and Performance Valve Spring Kit. Price Per Set (2).						
.418/.418	280°/280°	242°/242°	218	N/A	71-241	N/A
High lift short duration cam produces good overall power. Requires Exhaust System, High Compression Piston / Big Bore, Shim Under Followers, and Performance Valve Spring Kit. Price Per Set (2).						
.422/.422	286°/286°	260°/260°	109	N/A	70-071	N/A
Strong mid and upper end performance for racing engines. Requires Exhaust System, High Compression Piston, Shim Under Followers, and Performance Valve Spring Kit. Price Per Set (2).						
.460/.435	290°/288°	262°/260°	122/125	N/A	70-431	N/A
Designed for Super-Gas type racing engines. Cam has a reduced base circle. Requires Exhaust System, High Compression Piston, Shim Under Followers, and Performance Valve Spring Kit. Price Per Set (2).						
.480/.460	292°/290°	266°/262°	136/122	N/A	70-291	N/A
Designed for Super-Comp type racing engines. Cam has a reduced base circle. Requires Exhaust System, High Compression Piston, Shim Under Followers, and Performance Valve Spring Kit. Price Per Set (2).						
.500/.470	300°/300°	275°/275°	206/231	N/A	70-241	N/A
Designed for large displacement Pro-Stock / Top-Gas type racing engines. Cam has a reduced base circle. Requires Exhaust System, High Compression Piston, Shim Under Followers, and Performance Valve Spring Kit. Price Per Set (2).						

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
.515/.515	282°/282°	265°/265°	44	N/A	70-511	N/A
Designed for Pro-Stock type engines. Cam has a reduced base circle. Requires Exhaust System, High Compression Piston, Larger Diameter Shim Under Style Followers, and Performance Valve Spring Kit. Price Per Set (2).						
.520/.520	293°/293°	270°/270°	24	N/A	70-401	N/A
Designed for Pro-Stock type engines. Cam has a reduced base circle. Requires Exhaust System, High Compression Piston, Larger Diameter Shim Under Style Followers, and Performance Valve Spring Kit. Price Per Set (2).						
Cam Gear, Adjustable	Use with all WEB CAM profiles for precise engine tuning. Price Per Set (2).					CG-S78
Buckets, Shim Under Racing Standard Size	Shim-under style tappets. Standard size 33.5 mm. Fits GS 750 / 850 / 1000. Price Per Set (8).					CF-S10
Buckets, Shim Under Racing Oversized +0.020"	Fits GS 750 / 850 / 1000. Shim-under style. Oversized 0.020". Price Per Set (8).					CF-S12
Valve Springs Only	Performance valve springs. Stock retainers OK. Can handle up to .480" valve lift. Price Per Set (8).					VS-S10
Valve Spring Kit With Aluminum Retainers Shim Under	Kit includes performance dual springs, Aluminum retainers, bottom cups, shims, and keepers. OK to .500" valve lift. Shim-under. Price Per Set (8).					VC-S30
Valve Spring Kit With Aluminum Retainers Shim On Top	Kit includes performance dual springs, Aluminum retainers, bottom cups, shims, and keepers. OK to .400" valve lift. Shim on top. Check ALL clearances! Price Per Set (8).					VC-S10
Valve Spring Kit With Titanium Retainers "ProStock"	Kit includes performance dual springs and Titanium retainers. Shim-under style. Price Per Set (8).					VC-S31

## Suzuki GS 750 (80-86) DOHC 16v

.310/.310	268°/268°	240°/240°	167	N/A	70-101	70-102
Good all around profile for stock engines. Increases power throughout RPM range. Requires Hardwelded Rockers. Price Per Set (2).						
.340/.340	266°/266°	240°/240°	223	N/A	70-281	70-282
Bolt in profile for GS 1150 engines. Increases performance throughout the RPM range. Must remove oil bump from rocker. Requires Hardwelded Rockers. Price Per Set (2).						
.348/.348	282°/282°	257°/257°	168	N/A	70-111	70-112
Strong mid and upper end performance for street / strip. Must remove oil bump from rocker. Requires Exhaust System, Hardwelded Rockers, High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).						
.370/.370	264°/264°	242°/242°	190	N/A	70-121	70-122
Designed for small displacement engines. Must remove oil bump from rocker. Requires Exhaust System, Hardwelded Rockers, High Compression Piston, Shortened Valve Guides, and Performance Valve Spring Kit. Price Per Set (2).						
.370/.370	284°/284°	256°/256°	212	N/A	70-251	70-252
Strong mid and upper end performance for large displacement pro street / strip engines. Must remove oil bump from rocker. Requires Exhaust System, Hardwelded Rockers, High Compression Piston / Big Bore, Shortened Valve Guides, and Performance Valve Spring Kit. Price Per Set (2).						
.390/.390	280°/280°	256°/256°	202	N/A	71-251	71-252
Strong mid and upper end performance for large displacement pro street / strip engines. Must remove oil bump from rocker. Requires Exhaust System, Extended Rockers, High Compression Piston / Big Bore, Shortened Valve Guides, and Performance Valve Spring Kit. Price Per Set (2).						
.420/.390	280°/280°	256°/256°	213/202	N/A	70-231	70-232
Designed for Pro-Stock type engines. Must remove oil bump from rocker. Requires Exhaust System, Extended Rockers, High Compression Piston / Big Bore, Shortened Valve Guides, and Performance Valve Spring Kit. Price Per Set (2).						

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
.418/.385	288°/288°	256°/256°	255/254	N/A	70-311	70-312
Designed for large displacement engines. Less aggressive than pro stock profiles for increased cam and rocker life. Must remove oil bump from rocker. Requires Exhaust System, Extended Rockers, High Compression Piston / Big Bore, Shortened Valve Guides, and Performance Valve Spring Kit. Price Per Set (2).						
.416/.416	266°/266°	244°/244°	263	N/A	70-151	70-152
Designed for Pro-Stock type engines. Must remove oil bump from rocker. Requires Exhaust System, Extended Rockers, High Compression Piston / Big Bore, Shortened Valve Guides, and Performance Valve Spring Kit. Price Per Set (2).						
.430/.390	298°/284°	268°/258°	240/202	N/A	70-301	70-302
Designed for large displacement (1500cc) pro street/strip engines. Must remove oil bump from rocker. Requires Exhaust System, Extended Rockers, High Compression Piston / Big Bore, Shortened Valve Guides, and Performance Valve Spring Kit. Price Per Set (2).						
.430/.420	298°/280°	268°/256°	240/213	N/A	71-261	71-262
Designed for Pro-Stock type engines. Must remove oil bump from rocker. Requires Exhaust System, Extended Rockers, High Compression Piston / Big Bore, Shortened Valve Guides, and Performance Valve Spring Kit. Price Per Set (2).						
.430/.430	298°/298°	268°/268°	240	N/A	70-711	70-712
Top fuel profile. Must remove oil bump from rocker. Requires Exhaust System, Extended Rockers, High Compression Piston / Big Bore, Shortened Valve Guides, and Performance Valve Spring Kit. Price Per Set (2).						
.430/.430	266°/266°	244°/244°	283	N/A	70-421	70-422
Designed for Pro-Stock type engines. Must remove oil bump from rocker. Requires Exhaust System, Extended Rockers, High Compression Piston / Big Bore, Shortened Valve Guides, and Performance Valve Spring Kit. Price Per Set (2).						
.430/.430	272°/272°	248°/248°	267	N/A	70-321	70-322
Designed for Pro-Stock type engines. Must remove oil bump from rocker. Requires Exhaust System, Extended Rockers, High Compression Piston / Big Bore, Shortened Valve Guides, and Performance Valve Spring Kit. Price Per Set (2).						
.440/.420	290°/280°	260°/256°	257/213	N/A	70-521	70-522
Designed for Pro-Stock type engines. Must remove oil bump from rocker. Requires Exhaust System, Extended Rockers, High Compression Piston / Big Bore, Shortened Valve Guides, and Performance Valve Spring Kit. Price Per Set (2).						
.445/.445	274°/274°	250°/250°	282	N/A	70-411	70-412
Designed for Pro-Stock type engines. Must remove oil bump from rocker. Requires Exhaust System, Extended Rockers, High Compression Piston / Big Bore, Shortened Valve Guides, and Performance Valve Spring Kit. Price Per Set (2).						
.460/.460	272°/272°	252°/252°	492	N/A	71-271	71-272
Designed for Pro-Stock type engines. Must remove oil bump from rocker. Requires Exhaust System, Extended Rockers, High Compression Piston / Big Bore, Shortened Valve Guides, and Performance Valve Spring Kit. Price Per Set (2).						
Cam Gear, Adjustable 30 Teeth						CG-S11
Use with all WEB CAM profiles for precise engine tuning. Price Per Set (2).						
Rocker Arm Hardwelded						HR-S09
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).						
Rocker Arm, Extended Hardwelded						ER-S09
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).						
Rocker Arm, Core						RC-S00
Please specify year and model when ordering. Price (Each).						
Adjusting Screws, Extended						AS-S00
Some cams have a reduced base circle size and do not require longer adjusting screws. Kit includes adjusting tool. Price Per Set (16).						
Retainers, Hard Anodized						RA-S10
Fits GS 750 / 1100 engines. To be used with VS-S11. Price Per Set (16).						
Retainers, Titanium						RT-S11
Fits GS 750 / 1100 engines. To be used with VS-S11. Light weight CNC machined. Price Per Set (16).						

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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Valve Springs Only **VS-S11**  
 Performance dual valve springs. Can be used with stock retainers or RA-S10 or RT-S11. OK up to 0.440" valve lift. Price Per Set (16).

Valve Guide, Shortened Guide gives you .430 retainer to guide seal clearance Standard Size **VG-S11**  
 Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Locating shoulder moved up 0.050". Custom sizes available +.001, +.002, +.004, +.010. Required for cams over .380" valve lift. Fits intake and exhaust. Price (Each).

**TECH TIPS:** The camshafts listed on this page have a 7mm sprocket hole. This is a OEM bolt size for stock engines 1984 and later. In some cases, when using cams with high lift profiles, it will be necessary to use extra long specially hardened rocker arm adjusting screws.

### Suzuki GSF 1250 Bandit (07-09) DOHC 16v

.308/.287	251°/243°	228°/217°	176/1098	N/A	<b>71-761</b>	N/A
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Bolt in profile increases overall performance throughout RPM range. Price Per Set (2).

Valve Guide, Shortened .070" Standard Size **VG-S10**  
 Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Price (Each).

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
<b>Suzuki GSXR 1000 (01-04) DOHC 16v</b>						
.384/.330	272°/252°	248°/226°	540/577	N/A	70-871	70-872
Bolt in profile increases overall performance throughout RPM range. Price Per Set (2).						
.384/.335	272°/262°	248°/236°	540/566	N/A	70-831	70-832
Improves torque with added mid and top end performance. Stock springs and pistons OK. Price Per Set (2).						
.395/.358	266°/268°	242°/241°	483/11i	N/A	71-431	71-432
High lift short duration cam produces good overall power. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).						
.400/.368	280°/266°	256°/243°	539/1011	N/A	71-491	71-492
Performance profile designed to increase mid and upper end. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.400/.340	280°/260°	256°/236°	539/298	N/A	70-681	70-682
Increases mid and upper end performance. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.415/.358	274°/268°	250°/241°	45+3°(6°)/11i	N/A	71-331	71-332
Race profile designed to increase mid and upper end performance. Maintains excellent torque. Requires Exhaust System, High Compression Piston, Larger Diameter Followers, Shortened Valve Guides, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
Cam Gear, Adjustable						CG-S02
Use with all WEB CAM profiles for precise engine tuning. Price Per Set (2).						
Chain Tensioner, Manual						CT-S04
This tensioner allows the cam chain to remain constant. CNC designed from billet alloy to exact tolerances. Fits (01-03) GSXR 600, (00-03) GSXR 750, (01-02) GSXR 1000.						
Chain Tensioner, Manual						CT-S05
This tensioner allows the cam chain to remain constant. CNC designed from billet alloy to exact tolerances. Fits (04-07) GSXR 600, (04-08) GSXR 750, (03-11) GSXR 1000.						
Valve Springs Only						VS-S01
Includes performance single springs only. Stock retainers OK. Price Per Set (16).						
Valve Spring Kit With Titanium Retainers						VC-S72
Kit includes performance dual springs and Titanium retainers. OK up to 0.440" valve lift. Price Per Set (16).						

## Suzuki GSXR 1000 (05-06) DOHC 16v

.395/.358	266°/268°	242°/241°	483/11i	N/A	71-431	71-432
High lift short duration cam produces good overall power. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).						
.400/.368	280°/266°	256°/243°	539/1011	N/A	71-491	71-492
Performance profile designed to increase mid and upper end. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.380	282°	258°	931	N/A	71-291	71-292
Special intake profile designed to increase mid and upper end performance. Stock lift for class rules. Price (Each).						
.400/.340	280°/260°	256°/236°	539/298	N/A	70-681	70-682
Increases mid and upper end performance. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.415/.358	274°/268°	250°/241°	45+3°(6°)/11i	N/A	71-331	71-332
Race profile designed to increase mid and upper end performance. Maintains excellent torque. Requires Exhaust System, High Compression Piston, Larger Diameter Followers, Shortened Valve Guides, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
Cam Gear, Adjustable Use with all WEB CAM profiles for precise engine tuning. Price Per Set (2).						CG-S02
Chain Tensioner, Manual This tensioner allows the cam chain to remain constant. CNC designed from billet alloy to exact tolerances. Fits (04-07) GSXR 600, (04-08) GSXR 750, (03-11) GSXR 1000.						CT-S05
Valve Springs Only Includes performance single springs only. Stock retainers OK. Price Per Set (16).						VS-S01

## Suzuki GSXR 1000 (07-08) DOHC 16v

.376/.352	278°/268°	254°/238°	1002+3°(6°)/1003+3°(6°)	N/A	71-281	71-282
Special Road Race profile to increase overall power. Maintain stock lift for class rules. Price Per Set (2).						
.395/.358	266°/268°	242°/241°	483/11i	N/A	71-421	71-422
High lift short duration cam produces good overall power. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).						
.400/.368	280°/266°	256°/243°	539/1011	N/A	71-011	71-012
Performance profile designed to increase mid and upper end. Requires Exhaust System, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.415/.395	268°/266°	244°/242°	45/483	N/A	71-531	71-532
Increases mid and upper end performance. Larger Tappets required on intake. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
Cam Gear, Adjustable Use with all WEB CAM profiles for precise engine tuning. Price Per Set (2).						CG-S02
Chain Tensioner, Manual This tensioner allows the cam chain to remain constant. CNC designed from billet alloy to exact tolerances. Fits (04-07) GSXR 600, (04-08) GSXR 750, (03-11) GSXR 1000.						CT-S05
Valve Springs Only Includes performance single springs only. Stock retainers OK. Price Per Set (16).						VS-S01
Valve Spring Kit With Titanium Retainers Kit includes performance dual springs, lower collars, titanium retainers and spring shims. For use with titanium valves only. OK up to 0.445" valve lift. Please note: This kit can be used with stainless valves but you must changed the installed height for more pressure and will only handle .380 valve lift. Spring shims .030 and .060 included for the stainless conversions. Check ALL clearances! Price Per Set (16).						VC-S07

You may have to clearance your cap for lobe rotation. Check all clearances.

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Suzuki GSXR 1000 (09-11) DOHC 16v

.395/.358    266°/268°    242°/241°    483/11i    N/A    **71-501**    N/A  
 High lift short duration cam produces good overall power. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).

.400/.368    280°/266°    256°/243°    539/1011    N/A    **71-511**    N/A  
 Performance profile designed to increase mid and upper end. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).

.415/.395    268°/266°    244°/242°    45/483    N/A    **71-521**    N/A  
 Increases mid and upper end performance. Larger Tappets required on intake. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).

Cam Gear, Adjustable **CG-S02**  
 Use with all WEB CAM profiles for precise engine tuning. Price Per Set (2).

Chain Tensioner, Manual **CT-S05**  
 This tensioner allows the cam chain to remain constant. CNC designed from billet alloy to exact tolerances. Fits (04-07) GSXR 600, (04-08) GSXR 750, (03-11) GSXR 1000.

Valve Springs Only **VS-K02**  
 Performance single valve springs. Stock retainers OK. OK to 0.500" lift. Price Per Set (16).

Custom grinding is available please call us directly for more details.

## Suzuki GSXR 1000 (12-13) DOHC 16v

Valve Springs Only **VS-K02**  
 Performance single valve springs. Stock retainers OK. OK to 0.500" lift. Price Per Set (16).

Custom grinding is available please call us directly for more details.

## Suzuki GSXR 1100 (86-90) DOHC 16v

.330/.330    266°/266°    240°/240°    223    N/A    **70-191**    **70-192**  
 Bolt in performance cams for stock 750cc. Requires Exhaust System, and Hardwelded Rockers. Price Per Set (2).

.362/.330    255°/265°    230°/240°    453/223    N/A    **70-791**    **70-792**  
 Turbo profile increases performance throughout the RPM. Requires Exhaust System, Hardwelded Rockers, and Performance Valve Spring Kit. Price Per Set (2).

.370/.330    270°/266°    246°/240°    236/223    N/A    **70-341**    **70-342**  
 Offers increased mid and upper end power for 750cc road racing. Requires Exhaust System, Hardwelded Rockers, and Performance Valve Spring Kit. Price Per Set (2).

.370/.370    270°/270°    246°/246°    236    N/A    **70-331**    **70-332**  
 Improves mid and upper end performance. Hot street-strip. Requires Exhaust System, Hardwelded Rockers, High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).

.380/.370    281°/270°    256°/246°    202/236    N/A    **71-401**    **71-402**  
 Good mid and upper end performance for large displacement racing engines. Requires Exhaust System, Extended Rockers, High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).

.380/.380    281°/281°    256°/256°    202    N/A    **70-381**    **70-382**  
 Good mid and upper end performance for large displacement racing engines. Requires Exhaust System, Extended Rockers, High Compression Piston, Shortened Valve Guides, and Performance Valve Spring Kit. Price Per Set (2).

.385/.325    280°/270°    246°/240°    29i/29e    N/A    **71-411**    **71-412**  
 Road race profile. Requires Exhaust System, Extended Rockers, High Compression Piston, Shortened Valve Guides, and Performance Valve Spring Kit. Price Per Set (2).

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
.400/.400	280°/280°	256°/256°	479	N/A	70-531	70-532
Good mid and upper end performance for large displacement racing engines. Requires Exhaust System, Extended Rockers, High Compression Piston, Shortened Valve Guides, and Performance Valve Spring Kit. Price Per Set (2).						
.425/.425	272°/272°	248°/248°	267	N/A	70-391	70-392
High lift, short duration profile designed for drag race application. Requires Exhaust System, Extended Rockers, High Compression Piston, Shortened Valve Guides, and Performance Valve Spring Kit. Price Per Set (2).						
.425/.410	287°/268°	262°/246°	257/263	N/A	70-801	70-802
Racing profile for large displacement 1400cc+. Requires Exhaust System, Extended Rockers, High Compression Piston, Shortened Valve Guides, and Performance Valve Spring Kit. Price Per Set (2).						
Cam Gear, Adjustable						CG-S10
Use with all WEB CAM profiles for precise engine tuning. Fits GSXR 750J (1988-1989), and GSXR 1100 (1985-1992). Price Per Set (2).						
Chain Tensioner, Manual						CT-S03
This tensioner allows the cam chain to remain constant. CNC designed from billet alloy to exact tolerances. Fits GSXR 750 / 1100 oil cooled engines 1986 thru 1992, and Bandit 1200.						
Rocker Arm Hardwelded						HR-S11
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).						
Rocker Arm, Extended Hardwelded						ER-S11
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).						
Rocker Arm, Core						RC-S01
Please specify year and model when ordering. Price (Each).						
Adjusting Screws, Extended						AS-S00
Some cams have a reduced base circle size and do not require longer adjusting screws. Kit includes adjusting tool. Price Per Set (16).						
Retainers, Titanium						RT-S14
Fits GSXR 750 / 1100. Use with VS-S30. Light weight CNC machined. Price Per Set (16).						
Valve Springs Only						VS-S30
Performance dual valve springs. Can be used with stock retainers or RT-S14. OK to .440" Lift. Price Per Set (16).						
Valve Guide, Shortened .065" Standard Size						VG-S12
Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Locating shoulder moved up 0.050". Custom sizes available +.001, +.002, +.004, +.010. Required for cams over 0.380" valve lift. Fits GSXR 750/1100 through 1992. Fits intake and exhaust. Price (Each).						
Oiling Kit Top End						OK-S11
Top end oiling kit is highly recommended to use with all WEB CAM profiles. Made to install in minutes. Reduces heating and lubrication problems. Does not fit the Katana.						

**TECH TIPS:**

We recommend to degree in all profiles. See cam degreasing kit part AP-144. It is very important that you check retainer to guide seal clearance, minimum 0.030". Must be checked with cams over 0.380" valve lift. Hardwelded rocker arms are required with ALL profiles!

Top end oiling kit is a must for this engine. See part number OK-S11

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Suzuki GSXR 1100 (91-92) DOHC 16v

Chain Tensioner, Manual CT-S03  
 This tensioner allows the cam chain to remain constant. CNC designed from billet alloy to exact tolerances. Fits GSXR 750 / 1100 oil cooled engines 1986 thru 1992, and Bandit 1200.

## Suzuki GSXR 1100 W (93-98) DOHC 16v

.352/.352	264°/264°	241°/241°	55	N/A	70-461	70-462
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Performance profile to increase overall performance. Price Per Set (2).

.377/.350	260°/250°	240°/230°	100/101	N/A	70-471	70-472
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Designed for hot street / strip engines. Requires High Compression Piston, Exhaust System, Performance Valve Spring Kit, and Carburetors. Price Per Set (2).

.383/.352	276°/264°	253°/241°	227/55	N/A	70-481	70-482
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Top end profile! Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).

Cam Gear, Adjustable CG-S76  
 Use with all WEB CAM profiles for precise engine tuning. Price Per Set (2).

Chain Tensioner, Manual CT-S01  
 This tensioner allows the cam chain to remain constant. CNC designed from billet alloy to exact tolerances. Fits 93-95 GSXR 750 water-cooled engines.

Valve Spring Kit With Titanium Retainers VC-S51  
 Kit includes performance dual springs, Titanium retainers, and bottoms. Handles 0.400" valve lift. Check your retainer to guide seal clearance, minimum 0.030" at full lift. Price Per Set (16).

Valve Guide, Shortened .070" Standard Size VG-S10  
 Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Price (Each).

## Suzuki GSXR 600 (97-00) DOHC 16v

Custom performance profiles available. Please call for more information. N/A 71-051 N/A

Cam Gear, Adjustable CG-S70  
 Use with all WEB CAM profiles for precise engine tuning. Complete kit includes two adapters, adjustable sprockets, and four bolts. Price Per Set (2).

Chain Tensioner, Manual CT-S70  
 This tensioner allows the cam chain to remain constant. CNC designed from billet alloy to exact tolerances.

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Suzuki GSXR 600 (01-03) DOHC 16v

Custom performance profiles available. Please call for more information.

N/A 71-051 N/A

.348/.308 273°/251° 249°/228° 934/176 N/A 71-181 N/A  
 Increase mid and upper end. Requires Exhaust System, and High Compression Piston. Price Per Set (2).

.395/.358 266°/268° 242°/241° 483/11i N/A 71-191 N/A  
 Road Race profile. Excellent torque. Requires Exhaust System, High Compression Piston / Big Bore +2mm, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).

Cam Gear, Adjustable CG-S02  
 Use with all WEB CAM profiles for precise engine tuning. Price Per Set (2).

Chain Tensioner, Manual CT-S04  
 This tensioner allows the cam chain to remain constant. CNC designed from billet alloy to exact tolerances. Fits (01-03) GSXR 600, (00-03) GSXR 750, (01-02) GSXR 1000.

## Suzuki GSXR 600 (04-05) DOHC 16v

Custom performance profiles available. Please call for more information.

N/A 71-051 N/A

.348/.308 273°/251° 249°/228° 934/176 N/A 71-201 N/A  
 Profile designed to increase mid and upper end performance. Requires Exhaust System, and High Compression Piston. Price Per Set (2).

.395/.358 266°/268° 242°/241° 483/11i N/A 71-211 N/A  
 Road Race profile. Excellent torque. Requires Exhaust System, High Compression Piston / Big Bore +2mm, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).

Cam Gear, Adjustable CG-S02  
 Use with all WEB CAM profiles for precise engine tuning. Price Per Set (2).

Chain Tensioner, Manual CT-S05  
 This tensioner allows the cam chain to remain constant. CNC designed from billet alloy to exact tolerances. Fits (04-07) GSXR 600, (04-08) GSXR 750, (03-11) GSXR 1000.

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Suzuki GSXR 600 (06-07) DOHC 16v

Custom performance profiles available. Please call for more information.				N/A	<b>71-051</b>	N/A
.340/.315	272°/252°	248°/230°	298+6°(12°)/953	N/A	<b>71-221</b>	N/A
Stock lift for class rules to increase overall performance throughout RPM range. Stock springs OK. Requires Exhaust System, and High Compression Piston. Price Per Set (2).						
.340/.315	276°/254°	254°/234°	952/953	N/A	<b>71-231</b>	N/A
Stock lift for class rules to increase mid and upper end. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.369/.324	280°/252°	252°/224°	549/179e	N/A	<b>71-301</b>	N/A
Race profile. Maintains good torque while increasing mid and upper end performance. Requires Exhaust System, High Compression Piston / Big Bore, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.369/.335	280°/262°	252°/236°	549/566	N/A	<b>71-311</b>	N/A
Race profile designed to increase mid and upper end performance. Requires Exhaust System, High Compression Piston / Big Bore, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						

Cam Gear, Adjustable **CG-S02**  
Use with all WEB CAM profiles for precise engine tuning. Price Per Set (2).

Chain Tensioner, Manual **CT-S05**  
This tensioner allows the cam chain to remain constant. CNC designed from billet alloy to exact tolerances. Fits (04-07) GSXR 600, (04-08) GSXR 750, (03-11) GSXR 1000.

## Suzuki GSXR 600 (08-09) DOHC 16v

Custom performance profiles available. Please call for more information. Price Per Set (2). N/A **71-451** N/A

Cam Gear, Adjustable **CG-S02**  
Use with all WEB CAM profiles for precise engine tuning. Price Per Set (2).

## Suzuki GSXR 750 (86-90) DOHC 16v

.330/.330	266°/266°	240°/240°	223	N/A	<b>70-191</b>	<b>70-192</b>
Bolt in performance cams for stock 750cc. Requires Exhaust System, and Hardwelded Rockers. Price Per Set (2).						
.362/.330	255°/265°	230°/240°	453/223	N/A	<b>70-791</b>	<b>70-792</b>
Turbo profile increases performance throughout the RPM. Requires Exhaust System, Hardwelded Rockers, and Performance Valve Spring Kit. Price Per Set (2).						
.370/.330	270°/266°	246°/240°	236/223	N/A	<b>70-341</b>	<b>70-342</b>
Offers increased mid and upper end power for 750cc road racing. Requires Exhaust System, Hardwelded Rockers, and Performance Valve Spring Kit. Price Per Set (2).						
.370/.370	270°/270°	246°/246°	236	N/A	<b>70-331</b>	<b>70-332</b>
Improves mid and upper end performance. Hot street-strip. Requires Exhaust System, Hardwelded Rockers, High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).						
.380/.370	281°/270°	256°/246°	202/236	N/A	<b>71-401</b>	<b>71-402</b>
Good mid and upper end performance for large displacement racing engines. Requires Exhaust System, Extended Rockers, High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).						
.380/.380	281°/281°	256°/256°	202	N/A	<b>70-381</b>	<b>70-382</b>
Good mid and upper end performance for large displacement racing engines. Requires Exhaust System, Extended Rockers, High Compression Piston, Shortened Valve Guides, and Performance Valve Spring Kit. Price Per Set (2).						

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
.385/.325	280°/270°	246°/240°	29i/29e	N/A	71-411	71-412
Road race profile. Requires Exhaust System, Extended Rockers, High Compression Piston, Shortened Valve Guides, and Performance Valve Spring Kit. Price Per Set (2).						
.400/.400	280°/280°	256°/256°	479	N/A	70-531	70-532
Good mid and upper end performance for large displacement racing engines. Requires Exhaust System, Extended Rockers, High Compression Piston, Shortened Valve Guides, and Performance Valve Spring Kit. Price Per Set (2).						
.425/.425	272°/272°	248°/248°	267	N/A	70-391	70-392
High lift, short duration profile designed for drag race application. Requires Exhaust System, Extended Rockers, High Compression Piston, Shortened Valve Guides, and Performance Valve Spring Kit. Price Per Set (2).						
.425/.410	287°/268°	262°/246°	257/263	N/A	70-801	70-802
Racing profile for large displacement 1400cc+. Requires Exhaust System, Extended Rockers, High Compression Piston, Shortened Valve Guides, and Performance Valve Spring Kit. Price Per Set (2).						
Cam Gear, Adjustable (Fits 87, 90-92)						CG-S75
Use with all WEB CAM profiles for precise engine tuning. Fits GSXR 750 (1987, 1990-1992) Price Per Set (2).						
Cam Gear, Adjustable						CG-S10
Use with all WEB CAM profiles for precise engine tuning. Fits GSXR 750J (1988-1989), and GSXR 1100 (1985-1992). Price Per Set (2).						
Chain Tensioner, Manual						CT-S03
This tensioner allows the cam chain to remain constant. CNC designed from billet alloy to exact tolerances. Fits GSXR 750 / 1100 oil cooled engines 1986 thru 1992, and Bandit 1200.						
Rocker Arm Hardwelded						HR-S11
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).						
Rocker Arm, Extended Hardwelded						ER-S11
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).						
Rocker Arm, Core						RC-S01
Please specify year and model when ordering. Price (Each).						
Adjusting Screws, Extended						AS-S00
Some cams have a reduced base circle size and do not require longer adjusting screws. Kit includes adjusting tool. Price Per Set (16).						
Retainers, Titanium						RT-S14
Fits GSXR 750 / 1100. Use with VS-S30. Light weight CNC machined. Price Per Set (16).						
Valve Springs Only						VS-S30
Performance dual valve springs. Can be used with stock retainers or RT-S14. OK to .440" Lift. Price Per Set (16).						
Valve Guide, Shortened .065" Standard Size						VG-S12
Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Locating shoulder moved up 0.050". Custom sizes available +.001, +.002, +.004, +.010. Required for cams over 0.380" valve lift. Fits GSXR 750/1100 through 1992. Fits intake and exhaust. Price (Each).						

**TECH TIPS:**

We recommend to degree in all profiles. See cam degreing kit part AP-144. It is very important that you check retainer to guide seal clearance, minimum 0.030". Must be checked with cams over 0.380" valve lift. New or hardened rocker arms are required with ALL profiles!

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Suzuki GSXR 750 (91-92) DOHC 16v

Chain Tensioner, Manual CT-S03  
 This tensioner allows the cam chain to remain constant. CNC designed from billet alloy to exact tolerances. Fits GSXR 750 / 1100 oil cooled engines 1986 thru 1992, and Bandit 1200.

## Suzuki GSXR 750 (96-97) DOHC 16v

.352/.332	264°/264°	241°/239°	55/117	N/A	70-541	N/A
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Performance profile designed to increase overall performance. Bolts in with no modifications. New OEM cam requires CG-S70 Price Per Set (2).

.377/.350	260°/250°	240°/230°	100/101	N/A	70-551	N/A
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Designed for racing engines. Produces good torque and acceleration. New OEM cam requires CG-S70 Requires High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).

Cam Gear, Adjustable CG-S70  
 Use with all WEB CAM profiles for precise engine tuning. Complete kit includes two adapters, adjustable sprockets, and four bolts. Price Per Set (2).

Chain Tensioner, Manual CT-S70  
 This tensioner allows the cam chain to remain constant. CNC designed from billet alloy to exact tolerances.

Valve Spring Kit With Titanium Retainers VC-S70  
 Kit includes performance dual springs and Titanium retainers. OK to .430" valve lift. Price Per Set (16).

## Suzuki GSXR 750 (00-05) DOHC 16v

.360/.303	270°/250°	246°/223°	116/567	N/A	70-861	70-862
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Bolt in profile increases overall performance throughout RPM range. Price Per Set (2).

Cam Gear, Adjustable CG-S02  
 Use with all WEB CAM profiles for precise engine tuning. Price Per Set (2).

Chain Tensioner, Manual CT-S04  
 This tensioner allows the cam chain to remain constant. CNC designed from billet alloy to exact tolerances. Fits (01-03) GSXR 600, (00-03) GSXR 750, (01-02) GSXR 1000.

## Suzuki GSXR 750 (06-07) DOHC 16v

.369/.324	280°/252°	252°/224°	549/179e	N/A	71-061	N/A
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Performance profile designed to increase overall power. Price Per Set (2).

Cam Gear, Adjustable CG-S02  
 Use with all WEB CAM profiles for precise engine tuning. Price Per Set (2).

## Suzuki GSXR 750 (08-10) DOHC 16v

.345/.330	269°/252°	245°/226°	970/577	N/A	61-011	N/A
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Performance profile designed to increase overall performance. Requires Exhaust System. Price Per Set (2).

.369/.324	280°/252°	252°/224°	549/179e	N/A	61-021	N/A
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Race profile designed for extreme acceleration with added mid and upper end performance. Requires Exhaust System, and High Compression Piston. Check ALL clearances! Price Per Set (2).

Cam Gear, Adjustable CG-S02  
 Use with all WEB CAM profiles for precise engine tuning. Price Per Set (2).

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Suzuki GSXR 750 SRAD (98-99) DOHC 16v

.352/.332 264°/264° 241°/239° 55/117 N/A **70-721** N/A  
Performance profile designed to increase overall performance. Bolts in with no modifications. Price Per Set (2).

.377/.350 260°/250° 240°/230° 100/101 N/A **70-731** N/A  
Designed for racing engines. Produces good torque and acceleration. Requires High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).

Cam Gear, Adjustable **CG-S70**  
Use with all WEB CAM profiles for precise engine tuning. Complete kit includes two adapters, adjustable sprockets, and four bolts. Price Per Set (2).

Chain Tensioner, Manual **CT-S70**  
This tensioner allows the cam chain to remain constant. CNC designed from billet alloy to exact tolerances.

Valve Spring Kit With Titanium Retainers **VC-S70**  
Kit includes performance dual springs and Titanium retainers. OK to .430" valve lift. Price Per Set (16).

## Suzuki GSXR 750 W (93-95) DOHC 16v

.332/.332 264°/264° 239°/239° 117 N/A **70-441** N/A  
Performance profile designed to increase overall performance. Price Per Set (2).

.352/.352 264°/264° 241°/241° 55 N/A **70-561** N/A  
Improves mid and upper end performance. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).

.377/.350 260°/250° 240°/230° 100/101 N/A **70-571** N/A  
Designed for hot street / strip / sprint car applications. Requires Exhaust System, High Compression Piston, Shortened Valve Guides, and Performance Valve Spring Kit. Price Per Set (2).

.383/.352 276°/264° 253°/241° 227/55 N/A **70-611** N/A  
Top end profile! Requires Exhaust System, High Compression Piston, Shortened Valve Guides, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).

Cam Gear, Adjustable **CG-S76**  
Use with all WEB CAM profiles for precise engine tuning. Price Per Set (2).

Chain Tensioner, Manual **CT-S01**  
This tensioner allows the cam chain to remain constant. CNC designed from billet alloy to exact tolerances. Fits 93-95 GSXR 750 water-cooled engines.

Valve Spring Kit With Titanium Retainers **VC-S51**  
Kit includes performance dual springs, Titanium retainers, and bottoms. Handles 0.400" valve lift. Check your retainer to guide seal clearance, minimum 0.030" at full lift. Price Per Set (16).

Valve Guide, Shortened .070" Standard Size **VG-S10**  
Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Price (Each).

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
<b>Suzuki Hayabusa GSX 1300 R (99-07) DOHC 16v</b>						
.368/.322	263°/246°	235°/220°	151i/294	N/A	<b>70-161</b>	<b>70-162</b>
Designed for turbo applications to increase overall performance. Requires Performance Valve Spring Kit. Price Per Set (2).						
.360/.312	266°/246°	242°/220°	297/902	N/A	<b>70-951</b>	<b>70-952</b>
Performance profile increases power throughout the RPM range. Requires Performance Valve Spring Kit. Price Per Set (2).						
.378/.330	268°/252°	244°/226°	536/577	N/A	<b>70-751</b>	<b>70-752</b>
Performance profile designed to increase overall performance. Requires Performance Valve Spring Kit. Price Per Set (2).						
.395/.378	266°/267°	242°/244°	483/536	N/A	<b>70-761</b>	<b>70-762</b>
Designed to increase mid and upper end performance. Requires High Compression Piston, Exhaust System, Performance Valve Spring Kit, and Shortened Valve Guides. Price Per Set (2).						
.415/.395	268°/266°	244°/242°	45/483	N/A	<b>70-841</b>	<b>70-842</b>
Performance profile designed to increase mid and upper end. Requires Exhaust System, High Compression Piston, Shortened Valve Guides, and Performance Valve Spring Kit. Price Per Set (2).						
.425/.415	277°/268°	250°/244°	1039/45	N/A	<b>70-631</b>	<b>70-632</b>
Performance profile designed to increase mid and upper end. Requires Exhaust System, High Compression Piston, Shortened Valve Guides, and Performance Valve Spring Kit. Price Per Set (2).						
.445/.415	268°/268°	244°/244°	776/45	N/A	<b>70-891</b>	<b>70-892</b>
Race profile. New cams must be hardwelded. Requires Exhaust System, High Compression Piston, Shortened Valve Guides, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.460/.415	268°/268°	244°/244°	785/45	N/A	<b>70-601</b>	<b>70-602</b>
Race profile. New cams must be hardwelded. Requires Exhaust System, Shortened Valve Guides, Performance Valve Spring Kit, Larger Diameter 31 mm Intake Followers, and High Compression Piston. Check ALL clearances! Price Per Set (2).						
Install New Bearings / Adjustable Cam Gears						<b>BG-000</b>
We will install your new bearings / new adjustable cam gears.						
Cam Gear, Adjustable						<b>CG-S13</b>
Use with all WEB CAM profiles for precise engine tuning. Includes gears and adapters. Price Per Set (2).						
Buckets, Shim Under shim in retainer style Oversized +.5 mm						<b>CF-S02</b>
Oversized 28.5 mm shim in retainer style tappet for the Hayabusa engines. Machining required. Price Per Set (16).						
Buckets, Shim Under Replacement, shim in retainer style Standard Size						<b>CF-S01</b>
Replacement buckets 28 mm. Price Per Set (16).						
Chain Tensioner, Manual						<b>CT-S06</b>
CNC machined from billet alloy to exact tolerances for perfect fit.						
Offset Cam Pin Intake						<b>70-CPD</b>
Allows you to install a 99-07 intake camshaft into a 08-10 engine. Can be used with stock or performance profiles. Price (Each).						
Valve Springs Only						<b>VS-S02</b>
Performance dual valve springs. OK to 0.415" valve lift. Check retainer to guide seal clearance, minimum .030. Price Per Set (16).						
Valve Spring Kit With Titanium Retainers (single groove) shim in retainer						<b>VC-S14</b>
Kit includes performance dual springs, titanium retainers and bottoms. To be used with the OEM Keepers. OK to 0.490" valve lift. Must use shortened valve guides to use this product if lift is above .355, see part #VG-S13. Stock buckets OK. Price Per Set (16).						
Valve Spring Kit With Titanium Retainers (triple groove) shim in retainer						<b>VC-S15</b>
Kit includes performance dual springs, titanium retainers, bottoms, and triple groove keepers. OK to 0.490" valve lift. Must use shortened valve guides to use this product if lift is above .355, see part #VG-S13. Stock buckets OK. Price Per Set (16).						

<b>VALVE LIFT</b>	<b>DURATION</b>	<b>DURATION @.050</b>	<b>GRIND NUMBER</b>	<b>REGRIND</b>	<b>HARD WELD</b>	<b>NEW CAM</b>
Valve Spring Kit With Titanium Retainers (single groove) shim in tappet Kit includes performance dual springs, titanium retainers, bottoms, and new cam followers (shim in tappet style). OK to 0.490" valve lift. Must use shortened valve guides to use this product if lift is above .355, see part #VG-S13. Price Per Set (16).						<b>VC-S16</b>
Valve Spring Kit With Titanium Retainers (triple groove) shim in tappet Kit includes performance dual springs, titanium retainers, bottoms, triple groove keepers, and new cam followers (shim in tappet style). OK to 0.490" valve lift. Must use shortened valve guides to use this product if lift is above .355, see part #VG-S13. Price Per Set (16).						<b>VC-S17</b>
Valves, Stainless (triple groove) Intake Standard Size Standard size 33 mm. Black nitroneg stem. Must be used with the triple groove spring kit. Price (Each).						<b>IV-S18</b>
Valves, Stainless (triple groove) Intake Oversized +1 mm Oversized to 34 mm. Black nitroneg stem. Must be used with the triple groove spring kit. Price (Each).						<b>IV-S19</b>
Valves, Stainless (triple groove) Exhaust Standard Size Standard size 27.5 mm. Black nitroneg stem. Must be used with the triple groove spring kit. Price (Each).						<b>EV-S18</b>
Valves, Stainless (triple groove) Exhaust Standard Size +1 mm Oversized to 28.5 mm. Black nitroneg stem. Must be used with the triple groove spring kit. Price (Each).						<b>EV-S19</b>
Valves, Stainless (single groove) Intake Standard Size Standard size 33 mm. Price (Each).						<b>IV-S01</b>
Valves, Stainless (single groove) Intake Oversized +1 mm Oversized to 34 mm. Price (Each).						<b>OV-S01</b>
Valves, Stainless (single groove) Exhaust Standard Size Standard size 27.50 mm. Price (Each).						<b>EV-S02</b>
Valves, Stainless (single groove) Exhaust Oversized +1 mm Oversized to 28.50 mm. Price (Each).						<b>OV-S02</b>
Valves, Titanium (single groove) Intake Standard Size Standard size 33 mm. Chromium Nitride PVD Coated. Price (Each).						<b>IV-S16</b>
Valves, Titanium (single groove) Intake Oversized +1 mm Oversized to 34 mm. Chromium Nitride PVD Coated. Price (Each).						<b>IV-S17</b>
Valves, Titanium (single groove) Exhaust Standard Size Standard size 27.5 mm. Chromium Nitride PVD Coated. Price (Each).						<b>EV-S16</b>
Valves, Titanium (single groove) Exhaust Oversized +1 mm Oversized to 28.5 mm. Chromium Nitride PVD Coated. Price (Each).						<b>EV-S17</b>
Valve Guide, Shortened .110" Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Fits intake and exhaust. Price (Each).						<b>VG-S13</b>
Valve Seals These valve stem seals carry the highest temperature rating in the industry. Price Per Set (16).						<b>SS-S00</b>
Bearings Replacement cam bearings.						<b>CB-999</b>

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
<b>Suzuki Hayabusa GSX 1300 R (08-12) DOHC 16v</b>						
.395/.378	266°/267°	242°/244°	483/536	N/A	70-661	70-662
Designed to increase mid and upper end performance. Requires High Compression Piston, Exhaust System, Performance Valve Spring Kit, and Shortened Valve Guides. Price Per Set (2).						
.415/.378	268°/268°	244°/244°	45/536	N/A	71-001	71-002
Performance profile designed to increase mid and upper end. Requires High Compression Piston, Exhaust System, Performance Valve Spring Kit, and Shortened Valve Guides. Price Per Set (2).						
.415/.395	268°/266°	244°/242°	45/483	N/A	70-671	70-672
Performance profile designed to increase mid and upper end. Requires High Compression Piston, Exhaust System, Performance Valve Spring Kit, and Shortened Valve Guides. Price Per Set (2).						
.425/.415	277°/268°	250°/244°	1039/45	N/A	70-641	70-642
Performance profile designed to increase mid and upper end. Requires High Compression Piston, Exhaust System, Performance Valve Spring Kit, and Shortened Valve Guides. Price Per Set (2).						
.445/.415	268°/268°	244°/244°	776/45	N/A	70-981	70-982
Performance profile designed to increase mid and upper end. Requires High Compression Piston, Exhaust System, Performance Valve Spring Kit, and Shortened Valve Guides. Price Per Set (2).						
.460/.415	268°/268°	244°/244°	785/45	N/A	70-651	70-652
Performance profile designed to increase mid and upper end. Requires High Compression Piston, Exhaust System, Performance Valve Spring Kit, Shortened Valve Guides, and Larger Diameter 31 mm Intake Followers. Check ALL clearances! Price Per Set (2).						
Install New Bearings / Adjustable Cam Gears						BG-000
We will install your new bearings / new adjustable cam gears.						
Cam Gear, Adjustable						CG-S13
Use with all WEB CAM profiles for precise engine tuning. Includes gears and adapters. Price Per Set (2).						
Buckets, Shim Under shim in retainer style Oversized +.5 mm						CF-S02
Oversized 28.5 mm shim in retainer style tappet for the Hayabusa engines. Machining required. Price Per Set (16).						
Buckets, Shim Under Replacement, shim in retainer style Standard Size						CF-S01
Replacement buckets 28 mm. Price Per Set (16).						
Chain Tensioner, Manual						CT-S07
CNC machined from billet alloy to exact tolerances for perfect fit.						
Offset Cam Pin Intake						70-CPD
Allows you to install a 99-07 intake camshaft into a 08-10 engine. Can be used with stock or performance profiles. Price (Each).						
Valve Springs Only						VS-S02
Performance dual valve springs. OK to 0.415" valve lift. Check retainer to guide seal clearance, minimum .030. Price Per Set (16).						
Valve Spring Kit With Titanium Retainers (single groove) shim in retainer						VC-S14
Kit includes performance dual springs, titanium retainers and bottoms. To be used with the OEM Keepers. OK to 0.490" valve lift. Must use shortened valve guides to use this product if lift is above .355, see part #VG-S13. Stock buckets OK. Price Per Set (16).						
Valve Spring Kit With Titanium Retainers (triple groove) shim in retainer						VC-S15
Kit includes performance dual springs, titanium retainers, bottoms, and triple groove keepers. OK to 0.490" valve lift. Must use shortened valve guides to use this product if lift is above .355, see part #VG-S13. Stock buckets OK. Price Per Set (16).						
Valve Spring Kit With Titanium Retainers (single groove) shim in tappet						VC-S16
Kit includes performance dual springs, titanium retainers, bottoms, and new cam followers (shim in tappet style). OK to 0.490" valve lift. Must use shortened valve guides to use this product if lift is above .355, see part #VG-S13. Price Per Set (16).						

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
Valve Spring Kit With Titanium Retainers (triple groove) shim in tappet Kit includes performance dual springs, titanium retainers, bottoms, triple groove keepers, and new cam followers (shim in tappet style). OK to 0.490" valve lift. Must use shortened valve guides to use this product if lift is above .355, see part #VG-S13. Price Per Set (16).						VC-S17
Valves, Stainless (triple groove) Intake Standard Size Standard size 33 mm. Black nitroneg stem. Must be used with the triple groove spring kit. Price (Each).						IV-S18
Valves, Stainless (triple groove) Intake Oversized +1 mm Oversized to 34 mm. Black nitroneg stem. Must be used with the triple groove spring kit. Price (Each).						IV-S19
Valves, Stainless (triple groove) Exhaust Standard Size Standard size 27.5 mm. Black nitroneg stem. Must be used with the triple groove spring kit. Price (Each).						EV-S18
Valves, Stainless (triple groove) Exhaust Standard Size +1 mm Oversized to 28.5 mm. Black nitroneg stem. Must be used with the triple groove spring kit. Price (Each).						EV-S19
Valves, Stainless (single groove) Intake Standard Size Standard size 33 mm. Price (Each).						IV-S01
Valves, Stainless (single groove) Intake Oversized +1 mm Oversized to 34 mm. Price (Each).						OV-S01
Valves, Stainless (single groove) Exhaust Standard Size Standard size 27.50 mm. Price (Each).						EV-S02
Valves, Stainless (single groove) Exhaust Oversized +1 mm Oversized to 28.50 mm. Price (Each).						OV-S02
Valves, Titanium (single groove) Intake Standard Size Standard size 33 mm. Chromium Nitride PVD Coated. Price (Each).						IV-S16
Valves, Titanium (single groove) Intake Oversized +1 mm Oversized to 34 mm. Chromium Nitride PVD Coated. Price (Each).						IV-S17
Valves, Titanium (single groove) Exhaust Standard Size Standard size 27.5 mm. Chromium Nitride PVD Coated. Price (Each).						EV-S16
Valves, Titanium (single groove) Exhaust Oversized +1 mm Oversized to 28.5 mm. Chromium Nitride PVD Coated. Price (Each).						EV-S17
Valve Guide, Shortened .110" Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Fits intake and exhaust. Price (Each).						VG-S13
Valve Seals These valve stem seals carry the highest temperature rating in the industry. Price Per Set (16).						SS-S00
Bearings Replacement cam bearings.						CB-999

Please note: We now offer new OEM camshaft cores for the 2008-2011 engines, and you will no longer need to use the earlier cam cores with the offset pin. Any questions please call us direct.

VALVE LIFT	DURATION	DURATION @.050		GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Suzuki LS 650 (87-09) SOHC 4v

466 N/A 71-551 N/A

Bolt in performance profile for stock engines. Stock springs OK.

Rocker Arm Hardwelded

HR-S08

We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).

## Suzuki Pro DOHC 8v

.480	292°	266°	Pro-Stock class profile.	136	N/A	63-001	N/A
.478	298°	272°	Pro-Stock class profile.	511	N/A	63-011	N/A
.500	300°	275°	Pro-Stock class profile.	206	N/A	63-021	N/A
.502	289°	267°	Pro-Stock class profile.	575	N/A	63-031	N/A
.510	304°	278°	Pro-Stock class profile.	542	N/A	63-041	N/A
.513	308°	280°	Pro-Stock class profile.	668	N/A	63-051	N/A
.515	282°	265°	Pro-Stock class profile.	44	N/A	63-061	N/A
.518	298°	270°	Pro-Stock class profile.	475	N/A	63-071	N/A
.520	293°	270°	Pro-Stock class profile.	24	N/A	63-081	N/A
.538	301°	278°	Pro-Stock class profile.	246	N/A	63-091	N/A
.538	307°	283°	Pro-Stock class profile.	786	N/A	63-101	N/A
.550	300°	270°	Pro-Stock class profile.	476	N/A	63-111	N/A
.550	302°	276°	Pro-Stock class profile.	478	N/A	63-121	N/A
.560	294°	266°	Pro-Stock class profile.	574	N/A	63-131	N/A
.560	306°	278°	Pro-Stock class profile.	477	N/A	63-141	N/A
.565	292°	264°	Pro-Stock class profile.	509	N/A	63-151	N/A
.575	300°	273°	Pro-Stock class profile.	545	N/A	63-161	N/A
.579	300°	270°	Pro-Stock class profile.	484	N/A	63-171	N/A
.586	294°	268°	Pro-Stock class profile.	488	N/A	63-181	N/A
.592	296°	276°	Pro-Stock class profile.	521	N/A	63-191	N/A
.598	298°	274°	Pro-Stock class profile.	473	N/A	63-201	N/A
.606	296°	270°	Pro-Stock class profile.	487	N/A	63-211	N/A
.614	300°	272°	Pro-Stock class profile.	632	N/A	63-221	N/A
.622	304°	278°	Pro-Stock class profile.	636	N/A	63-231	N/A
.628	298°	271°	Pro-Stock class profile.	816	N/A	63-241	N/A
.639	298°	267°	Pro-Stock class profile.	907	N/A	63-251	N/A

VALVE LIFT	DURATION	DURATION @.050		GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
.643	300°	269°	Pro-Stock class profile.	909	N/A	63-261	N/A
.645	293°	271°	Pro-Stock class profile.	908	N/A	63-271	N/A
.660	292°	271°	Pro-Stock class profile.	794	N/A	63-281	N/A
.660	300°	276°	Pro-Stock class profile.	793	N/A	63-291	N/A
.660	308°	278°	Pro-Stock class profile.	615	N/A	63-301	N/A

Buckets, Shim Under "Pro" PM Oversized Shim under-style. Oversized to 35 mm. Price (Each). **CF-K12**

Buckets, Shim Under "Pro" Oversized Oversized to 35 mm WIC coated shim under-style buckets. Must be used with a MTC billet head. Machining required. **CF-K11**

**PLEASE NOTE**

Pro Stock profiles are hardwelded and ground on your original camshafts, or we have new billet cams for the Kawasaki / Suzuki. These profiles can be used on the intake cam or the exhaust. Please specify base circle size and lobe spacing when ordering. Most profiles require using billet heads.

**Suzuki Pro (Radius) DOHC 8v**

.695	315°	295°	Pro-Stock class profile.	926	N/A	64-001	N/A
.700	300°	288°	Pro-Stock class profile.	923	N/A	64-011	64-012
.700	311°	300°	Pro-Stock class profile.	945	N/A	64-021	64-022
.705	308°	291°	Pro-Stock class profile.	932	N/A	64-031	64-032
.760	314°	304°	Pro-Stock class profile.	957	N/A	64-041	64-042
.800	313°	303°	Pro-Stock class profile.	969	N/A	64-051	64-052

**PLEASE NOTE:**

Pro Stock profiles are hardwelded and ground on your original camshafts, or we have new billet cams for the Kawasaki / Suzuki. These profiles can be used on the intake cam or the exhaust. Please specify base circle size and lobe spacing when ordering. Most profiles require using billet heads. All radius profiles are measured with a flat follower for comparisons only. Durations will change depending on the radius of your follower. Please call if you need more information.

**Suzuki RF 900 (94-97) DOHC 16v**

.315/.315	252°/252°	230°/230°		953	N/A	71-791	N/A
Performance profile to increase overall power. Price Per Set (2).							
.340/.340	260°/260°	234°/234°		247	N/A	71-781	N/A
Performance profile to increase mid and upper end. Requires Exhaust System, and High Compression Piston. Check ALL clearances! Price Per Set (2).							

Valve Guide, Shortened .070" Standard Size **VG-S10**  
 Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Price (Each).

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
<b>Suzuki RMZ 250 (04-06) DOHC 4v</b>						
.360/.340	266°/260°	242°/236°	297/298	N/A	<b>60-701</b>	N/A
Performance profile designed to increase overall performance. Requires PRO Buckets, Performance Valve Spring Kit, High Compression Piston, and Exhaust System. Price Per Set (2).						
.368/.330	263°/252°	235°/226°	151i/577	N/A	<b>60-901</b>	N/A
Excellent torque profile. Requires Performance Valve Spring Kit, PRO Buckets, High Compression Piston, and Exhaust System. Price Per Set (2).						
.378/.340	268°/260°	244°/236°	536/298	N/A	<b>60-651</b>	N/A
Designed to increase mid and upper end performance. Requires PRO Buckets, Performance Valve Spring Kit, High Compression Piston, and Exhaust System. Check ALL clearances! Price Per Set (2).						
.415/.383	268°/276°	244°/253°	45/227	N/A	<b>60-591</b>	N/A
Race profile designed to increase mid and upper end performance. Requires Exhaust System, High Compression Piston, Larger Diameter Followers, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
Cam Core	Please specify year and model when ordering. Price Per Set (2).					<b>CC-K14</b>
Cam Gear, Adjustable	Use with all WEB CAM profiles for precise engine tuning. Kit includes adjustable sprockets, adapters, cam bolts. Price Per Set (2).					<b>CG-S07</b>
Buckets Replacement Standard Size	Fits Kawasaki KX 250 and Suzuki RMZ 250 engines. Sold in sets only. Includes 2 intake and 2 exhaust buckets. Price Per Set (4).					<b>CF-K01</b>
Buckets "Pro" DLC Coated Standard Size	Lightweight buckets fits Kawasaki KX 250 and Suzuki RMZ 250 engines. Sold in sets only. Includes 2 intake and 2 exhaust buckets. DLC coated for longer wear and extreme racing conditions. Price Per Set (4).					<b>CF-K02</b>
Buckets, Shim Under "Pro" Standard Size	Lightweight bucket fits Kawasaki KX 250 and Suzuki RMZ 250 engines. Sold in sets only. Includes 2 intake and 2 exhaust followers. Price Per Set (4).					<b>CF-K03</b>
Buckets, Shim Under Exhaust Oversized	Fits Kawasaki KX 250 and Suzuki RMZ 250 engines. Includes 2 oversized 26.5 mm buckets. Must be used on exhaust with high lift cams. Machining required. Price Per Set (2).					<b>CF-K07</b>
Valve Spring Kit With Titanium Retainers	Kit includes performance dual PSI springs, Titanium retainers, and bottoms. OK to .415 valve lift. Price Per Set (4).					<b>VC-K14</b>
Valves, Stainless Intake Standard Size	Standard size 31 mm. Price (Each).					<b>IV-K25</b>
Valves, Stainless Intake Oversized +1 mm	Oversized to 32 mm. Price (Each).					<b>OV-K25</b>
Valves, Stainless Exhaust Standard Size	Standard size 25 mm. Price (Each).					<b>EV-K26</b>
Valves, Stainless Exhaust Oversized +1 mm	Oversized to 26 mm. Price (Each).					<b>OV-K26</b>
Valves, Titanium Intake Standard Size	Standard size 31 mm. Price (Each).					<b>IV-K26</b>
Valves, Titanium Intake Oversized +1 mm	Oversized to 32 mm. Price (Each).					<b>IV-K27</b>
Valves, Titanium Exhaust Standard Size	Standard size 25 mm. Price (Each).					<b>EV-K27</b>

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
Valves, Titanium Exhaust Oversized +1 mm Oversized to 26 mm. Price (Each).						EV-K28
Valve Guide, Shortened .095" (IN), .080" (EX) Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Fits O4-O6 in / ex, O7-13 exhaust only. Price (Each).						VG-K00
<p>If installing titanium valves we highly recommend nickel aluminum bronze seats. Oversized tappets available, please call us directly for further details. Machining required.</p>						
<b>Suzuki RMZ 250 (07-09) DOHC 4v</b>						
.368/.345	263°/264°	235°/240°	151i/617	N/A	71-461	N/A
Torque profile to increase overall performance. Excellent throttle response. Requires Performance Valve Spring Kit, and High Compression Piston. Check ALL clearances! Price Per Set (2).						
.377/.340	260°/260°	240°/236°	100/298	N/A	71-471	N/A
Increases overall performance throughout RPM range. Requires High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.378/.368	268°/269°	244°/241°	536/151i+3°(6°)	N/A	71-481	N/A
Mid and top end profile. Requires High Compression Piston, Larger Diameter Exhaust Followers, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
Cam Core						CC-S43
Please specify year and model when ordering. Price Per Set (2).						
Cam Gear, Adjustable						CG-S12
Use with all WEB CAM profiles for precise engine tuning. Kit includes adjustable sprockets, adapters, cam bolts. Price Per Set (2).						
Cam Gear, Adjustable With Adaptors						CG-S09
Use with all WEB CAM profiles for precise engine tuning. Kit includes adjustable sprockets, adapters, cam bolts. Price Per Set (2).						
Buckets, Shim Under Exhaust Oversized +2 mm						CF-S03
2 mm oversized exhaust tappets. For use with the larger profiles. Machining required. Price Per Set (2).						
Valve Spring Kit With Titanium Retainers						VC-S02
Race kit includes performance PSI dual springs, bottom cups, and Titanium retainers. OK to .450" valve lift. Price Per Set (4).						
Valve Spring Kit With Titanium Retainers						VC-S05
Kit includes performance dual springs, lower collars and Titanium retainers. Use OEM keepers. OK up to .445 valve lift. Price Per Set (4).						
Valves, Stainless Intake Standard Size						IV-S10
Standard size 31 mm. Price (Each).						
Valves, Stainless Intake Oversized +1 mm						IV-S11
Oversized to 32 mm. Price (Each).						
Valves, Stainless Exhaust Standard Size						EV-S10
Standard size 25 mm. Price (Each).						
Valves, Stainless Exhaust Oversized +1 mm						EV-S11
Oversized to 26 mm. Price (Each).						
Valves, Titanium Intake Standard Size						IV-S12
Standard size 31 mm. Chromium Nitride PVD Coated. Price (Each).						
Valves, Titanium Intake Oversized +1 mm						IV-S13
Oversized to 32 mm. Chromium Nitride PVD Coated. Price (Each).						

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
Valves, Titanium Exhaust Standard Size Standard size 25 mm. Chromium Nitride PVD Coated. Price (Each).						EV-S12
Valves, Titanium Exhaust Oversized +1 mm Oversized to 26 mm. Chromium Nitride PVD Coated. Price (Each).						EV-S13
Valve Guide, Shortened .055" Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Fits intake and exhaust. Price (Each).						VG-S03

## Suzuki RMZ 250 (11-12) DOHC 4v

.377/.360	260°/266°	240°/242°	100/297	N/A	71-711	N/A
Performance profile designed to increase mid and upper end. Works excellent for Supercross / Motocross applications. Requires Exhaust System, High Compression Piston, Performance Valve Spring Kit, and Larger Diameter Exhaust Followers. Check ALL clearances! Price Per Set (2).						
.378/.368	268°/263°	244°/235°	536/151i	N/A	71-721	N/A
High lift profile designed to increase throttle response and increase overall power. Works excellent for Supercross / Motocross applications. Requires Exhaust System, High Compression Piston, Performance Valve Spring Kit, and Larger Diameter Exhaust Followers. Check ALL clearances! Price Per Set (2).						
.378/.345	268°/264°	244°/240°	536/617	N/A	71-731	N/A
Performance profile designed to increase mid and upper end. Works excellent for Motocross applications. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.376/.375	272°/260°	248°/236°	1002/1173	N/A	71-741	N/A
Race profile designed to increase mid and upper end performance. Requires Exhaust System, High Compression Piston, Performance Valve Spring Kit, and Larger Diameter Exhaust Followers. Check ALL clearances! Price Per Set (2).						
.376/.360	272°/266°	248°/242°	1002/297	N/A	71-751	N/A
Race profile designed to increase mid and upper end performance. Requires Exhaust System, High Compression Piston, Performance Valve Spring Kit, and Larger Diameter Exhaust Follower. Check ALL clearances! Price Per Set (2).						
Cam Core Please specify year and model when ordering. Price Per Set (2).						CC-S51
Cam Gear, Adjustable Use with all WEB CAM profiles for precise engine tuning. Kit includes adjustable sprockets, adapters, cam bolts. Price Per Set (2).						CG-S12
Buckets, Shim Under Exhaust Oversized +2 mm 2 mm oversized exhaust tappets. For use with the larger profiles. Machining required. Price Per Set (2).						CF-S03
Valve Spring Kit With Titanium Retainers Race kit includes performance PSI dual springs, bottom cups, and Titanium retainers. OK to .450" valve lift. Price Per Set (4).						VC-S02
Valve Spring Kit With Titanium Retainers Kit includes performance dual springs, lower collars and Titanium retainers. Use OEM keepers. OK up to .445 valve lift. Price Per Set (4).						VC-S05
Valves, Stainless Intake Standard Size Standard size 31 mm. Price (Each).						IV-S10
Valves, Stainless Intake Oversized +1 mm Oversized to 32 mm. Price (Each).						IV-S11
Valves, Stainless Exhaust Standard Size Standard size 25 mm. Price (Each).						EV-S10
Valves, Stainless Exhaust Oversized +1 mm Oversized to 26 mm. Price (Each).						EV-S11

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
Valves, Titanium Intake Standard Size Standard size 31 mm. Chromium Nitride PVD Coated. Price (Each).						IV-S12
Valves, Titanium Intake Oversized +1 mm Oversized to 32 mm. Chromium Nitride PVD Coated. Price (Each).						IV-S13
Valves, Titanium Exhaust Standard Size Standard size 25 mm. Chromium Nitride PVD Coated. Price (Each).						EV-S12
Valves, Titanium Exhaust Oversized +1 mm Oversized to 26 mm. Chromium Nitride PVD Coated. Price (Each).						EV-S13
Valve Guide, Shortened .055" Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Fits intake and exhaust. Price (Each).						VG-S03

## Suzuki RMZ 250 (2013) DOHC 4v

Cam Core Please specify year and model when ordering. Price Per Set (2).						CC-S53
Buckets, Shim Under Exhaust Oversized +2 mm 2 mm oversized exhaust tappets. For use with the larger profiles. Machining required. Price Per Set (2).						CF-S03
Valve Spring Kit With Titanium Retainers Race kit includes performance PSI dual springs, bottom cups, and Titanium retainers. OK to .450" valve lift. Price Per Set (4).						VC-S02
Valve Spring Kit With Titanium Retainers Kit includes performance dual springs, lower collars and Titanium retainers. Use OEM keepers. OK up to .445 valve lift. Price Per Set (4).						VC-S05
Valves, Stainless Intake Standard Size Standard size 31 mm. Price (Each).						IV-S10
Valves, Stainless Intake Oversized +1 mm Oversized to 32 mm. Price (Each).						IV-S11
Valves, Stainless Exhaust Standard Size Standard size 25 mm. Price (Each).						EV-S10
Valves, Stainless Exhaust Oversized +1 mm Oversized to 26 mm. Price (Each).						EV-S11
Valves, Titanium Intake Standard Size Standard size 31 mm. Chromium Nitride PVD Coated. Price (Each).						IV-S12
Valves, Titanium Intake Oversized +1 mm Oversized to 32 mm. Chromium Nitride PVD Coated. Price (Each).						IV-S13
Valves, Titanium Exhaust Standard Size Standard size 25 mm. Chromium Nitride PVD Coated. Price (Each).						EV-S12
Valves, Titanium Exhaust Oversized +1 mm Oversized to 26 mm. Chromium Nitride PVD Coated. Price (Each).						EV-S13
Valve Guide, Shortened .055" Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Fits intake and exhaust. Price (Each).						VG-S03

PROFILES COMING SOON, CUSTOM GRINDING AVAILABLE NOW!

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
<b>Suzuki RMZ 250 (2010) DOHC 4v</b>						
.360/.345	266°/264°	242°/240°	297/617	N/A	71-561	N/A
Performance profile designed to increase overall power. Price Per Set (2).						
.378/.345	268°/264°	244°/240°	536/617	N/A	71-571	N/A
Performance profile designed to increase mid and upper end. Works excellent for Motocross applications. Requires Exhaust System, and High Compression Piston.						
.378/.368	268°/269°	244°/241°	536/151i+3°(6°)	N/A	71-581	N/A
Race profile designed for extreme acceleration with added mid and upper end performance. Requires Exhaust System, High Compression Piston, and Larger Diameter Exhaust Followers. Check ALL clearances! Price Per Set (2).						
Cam Core	Please specify year and model when ordering. Price Per Set (2).					CC-S46
Cam Gear, Adjustable	Use with all WEB CAM profiles for precise engine tuning. Kit includes adjustable sprockets, adapters, cam bolts. Price Per Set (2).					CG-S12
Buckets, Shim Under Exhaust Oversized +2 mm	2 mm oversized exhaust tappets. For use with the larger profiles. Machining required. Price Per Set (2).					CF-S03
Valve Spring Kit With Titanium Retainers	Race kit includes performance PSI dual springs, bottom cups, and Titanium retainers. OK to .450" valve lift. Price Per Set (4).					VC-S02
Valve Spring Kit With Titanium Retainers	Kit includes performance dual springs, lower collars and Titanium retainers. Use OEM keepers. OK up to .445 valve lift. Price Per Set (4).					VC-S05
Valves, Stainless Intake Standard Size	Standard size 31 mm. Price (Each).					IV-S10
Valves, Stainless Intake Oversized +1 mm	Oversized to 32 mm. Price (Each).					IV-S11
Valves, Stainless Exhaust Standard Size	Standard size 25 mm. Price (Each).					EV-S10
Valves, Stainless Exhaust Oversized +1 mm	Oversized to 26 mm. Price (Each).					EV-S11
Valves, Titanium Intake Standard Size	Standard size 31 mm. Chromium Nitride PVD Coated. Price (Each).					IV-S12
Valves, Titanium Intake Oversized +1 mm	Oversized to 32 mm. Chromium Nitride PVD Coated. Price (Each).					IV-S13
Valves, Titanium Exhaust Standard Size	Standard size 25 mm. Chromium Nitride PVD Coated. Price (Each).					EV-S12
Valves, Titanium Exhaust Oversized +1 mm	Oversized to 26 mm. Chromium Nitride PVD Coated. Price (Each).					EV-S13
Valve Guide, Shortened .055" Standard Size	Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Fits intake and exhaust. Price (Each).					VG-S03

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
<b>Suzuki RMZ 450 (2005) DOHC 4v</b>						
.378/.340	278°/285°	254°/263°	536+5°(10°)/803	N/A	<b>70-901</b>	N/A
Increases mid and upper end performance. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.408/.355	282°/282°	258°/258°	208/943	N/A	<b>70-971</b>	N/A
Race profile designed to increase mid and upper end performance. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).						
.415/.368	268°/263°	244°/235°	45/151i	N/A	<b>71-101</b>	N/A
High lift, short duration profile to provide excellent torque and acceleration. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
Cam Core Please specify year and model when ordering. Price Per Set (2).						<b>CC-S34</b>
Cam Gear, Adjustable with Adaptors Use with all WEB CAM profiles for precise engine tuning. Kit includes adjustable sprockets, adapters, cam bolts. Price Per Set (2).						<b>CG-S05</b>
Valve Spring Kit With Titanium Retainers Kit includes performance dual springs, HT Bottoms, and Titanium retainers. OK up to .415 valve lift. Price Per Set (4).						<b>VC-S03</b>
Valves, Stainless Intake Standard Size Standard size 36 mm. Price (Each).						<b>IV-S08</b>
Valves, Stainless Intake Oversized +1 mm Oversized to 37 mm. Price (Each).						<b>IV-S09</b>
Valves, Stainless Exhaust Standard Size Standard size 29 mm. Price (Each).						<b>EV-S08</b>
Valves, Stainless Exhaust Oversized +1 mm Oversized to 30 mm. Price (Each).						<b>EV-S09</b>

Custom grinding is available please call us directly for more details.

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
<b>Suzuki RMZ 450 (2006) DOHC 4v</b>						
.378/.340	278°/285°	254°/263°	536+5°(10°)/803	N/A	<b>71-091</b>	N/A
Increases mid and upper end performance. Requires Exhaust System, and High Compression Piston. Price Per Set (2).						
.381/.388	266°/268°	240°/244°	613/813	N/A	<b>71-131</b>	N/A
High lift short duration profile to increase throttle response. Works great for torque applications. Requires Exhaust System, High Compression Piston, and Larger Diameter Followers on exhaust. Price Per Set (2).						
.381/.384	271°/272°	245°/248°	613+2.5°(5°)/540	N/A	<b>71-121</b>	N/A
Performance profile designed to increase mid and upper end. Works excellent for Motocross applications. Requires Exhaust System, High Compression Piston, and Larger Diameter Followers on exhaust. Check ALL clearances! Price Per Set (2).						
.400/.395	264°/266°	238°/242°	570/483	N/A	<b>71-141</b>	N/A
High lift short duration profile to increase throttle response. Works great for torque applications. Requires Exhaust System, High Compression Piston, Larger Diameter Followers on exhaust, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.408/.355	282°/282°	258°/258°	208/943	N/A	<b>71-161</b>	N/A
Race profile designed to increase mid and upper end performance. Requires Exhaust System, High Compression Piston, Shortened Valve Guides, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.408/.363	282°/286°	258°/263°	208/216	N/A	<b>71-151</b>	N/A
Race profile designed to increase mid and upper end performance. Works great for flat track applications, longer tracks. Requires Exhaust System, High Compression Piston, Shortened Valve Guides, Performance Valve Spring Kit, and . Price Per Set (2).						
.415/.395	268°/272°	244°/248°	45/483+3°(6°)	N/A	<b>71-171</b>	N/A
Performance profile designed to increase mid and upper end. Works great for motocross applications. Requires Exhaust System, High Compression Piston, Larger Diameter Followers on exhaust, Shortened Valve Guides, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
Cam Core						<b>CC-S41</b>
Please specify year and model when ordering. Price Per Set (2).						
Cam Gear, Adjustable with Adaptors						<b>CG-S05</b>
Use with all WEB CAM profiles for precise engine tuning. Kit includes adjustable sprockets, adapters, cam bolts. Price Per Set (2).						
Valve Spring Kit With Titanium Retainers						<b>VC-S03</b>
Kit includes performance dual springs, HT Bottoms, and Titanium retainers. OK up to .415 valve lift. Price Per Set (4).						
Valves, Stainless Intake Standard Size						<b>IV-S08</b>
Standard size 36 mm. Price (Each).						
Valves, Stainless Intake Oversized +1 mm						<b>IV-S09</b>
Oversized to 37 mm. Price (Each).						
Valves, Stainless Exhaust Standard Size						<b>EV-S08</b>
Standard size 29 mm. Price (Each).						
Valves, Stainless Exhaust Oversized +1 mm						<b>EV-S09</b>
Oversized to 30 mm. Price (Each).						

Custom grinding is available please call us directly for more details.

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Suzuki RMZ 450 (2007) DOHC 4v

.378/.340	278°/285°	254°/263°	536+5°(10°)/803	N/A	<b>71-091</b>	N/A
Increases mid and upper end performance. Requires Exhaust System, and High Compression Piston. Price Per Set (2).						
.381/.388	266°/268°	240°/244°	613/813	N/A	<b>71-131</b>	N/A
High lift short duration profile to increase throttle response. Works great for torque applications. Requires Exhaust System, High Compression Piston, and Larger Diameter Followers on exhaust. Price Per Set (2).						
.381/.384	271°/272°	245°/248°	613+2.5°(5°)/540	N/A	<b>71-121</b>	N/A
Performance profile designed to increase mid and upper end. Works excellent for Motocross applications. Requires Exhaust System, High Compression Piston, and Larger Diameter Followers on exhaust. Check ALL clearances! Price Per Set (2).						
.400/.395	264°/266°	238°/242°	570/483	N/A	<b>71-141</b>	N/A
High lift short duration profile to increase throttle response. Works great for torque applications. Requires Exhaust System, High Compression Piston, Larger Diameter Followers on exhaust, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.408/.355	282°/282°	258°/258°	208/943	N/A	<b>71-161</b>	N/A
Race profile designed to increase mid and upper end performance. Requires Exhaust System, High Compression Piston, Shortened Valve Guides, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.408/.363	282°/286°	258°/263°	208/216	N/A	<b>71-151</b>	N/A
Race profile designed to increase mid and upper end performance. Works great for flat track applications, longer tracks. Requires Exhaust System, High Compression Piston, Shortened Valve Guides, Performance Valve Spring Kit, and . Price Per Set (2).						
.415/.395	268°/272°	244°/248°	45/483+3°(6°)	N/A	<b>71-171</b>	N/A
Performance profile designed to increase mid and upper end. Works great for motocross applications. Requires Exhaust System, High Compression Piston, Larger Diameter Followers on exhaust, Shortened Valve Guides, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						

Cam Core **CC-S41**  
Please specify year and model when ordering. Price Per Set (2).

Cam Gear, Adjustable **CG-S12**  
Use with all WEB CAM profiles for precise engine tuning. Kit includes adjustable sprockets, adapters, cam bolts. Price Per Set (2).

Valve Spring Kit With Titanium Retainers (PSI) **VC-S09**  
Race Kit includes PSI dual valve springs, titanium retainers, bottom cups, and keepers. OK to .430 valve lift. Price Per Set (4).

Valve Spring Kit With Titanium Retainers **VC-S08**  
Kit includes performance dual springs, titanium retainers and bottoms. OK to 0.415" valve lift. To be used with the OEM Keepers. Price Per Set (4).

Custom grinding is available please call us directly for more details.

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
.386	252°	228°	1049	71-080	N/A	N/A
Special intake to increase torque. Price (Each).						
.386/.385	252°/249°	228°/224°	1049/516	N/A	71-021	N/A
Performance profile to increase torque and acceleration. Requires Exhaust System, and Performance Valve Spring Kit. Price Per Set (2).						
.396/.384	268°/272°	245°/248°	1040/540	N/A	71-071	N/A
Performance profile designed to increase mid and upper end. Helps rev past power peak. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.408/.355	282°/282°	258°/258°	208/943	N/A	71-031	N/A
Performance profile designed to increase mid and upper end. Works great for Flat Track racing, longer tracks. Requires Exhaust System, High Compression Piston, Shortened Valve Guides, Performance Valve Spring Kit, and Larger Diameter Followers. Check ALL clearances! Price Per Set (2).						
.415/.384	274°/272°	250°/248°	45+3°(6°)/540	N/A	71-111	N/A
Performance profile designed to increase mid and upper end. Works great for Flat Track racing, shorter tracks. Requires Exhaust System, High Compression Piston, Shortened Valve Guides, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
Cam Core						CC-S42
Please specify year and model when ordering. Price Per Set (2).						
Cam Gear, Adjustable						CG-S12
Use with all WEB CAM profiles for precise engine tuning. Kit includes adjustable sprockets, adapters, cam bolts. Price Per Set (2).						
Valve Spring Kit With Titanium Retainers (PSI)						VC-S09
Race Kit includes PSI dual valve springs, titanium retainers, bottom cups, and keepers. OK to .430 valve lift. Price Per Set (4).						
Valve Spring Kit With Titanium Retainers						VC-S08
Kit includes performance dual springs, titanium retainers and bottoms. OK to 0.415" valve lift. To be used with the OEM Keepers. Price Per Set (4).						
Valves, Stainless Intake Standard Size						IV-S14
Standard size 36 mm. Black Nitroreg Stem. Price (Each).						
Valves, Stainless Intake Oversized +1 mm						IV-S15
Oversized to 37 mm. Black Nitroreg Stem. Price (Each).						
Exhaust Standard Size						EV-S14
Standard size 31 mm. Black Nitroreg Stem. Price (Each).						
Valves, Stainless Exhaust Oversized +1 mm						EV-S15
Oversized to 32 mm. Black Nitroreg Stem. Price (Each).						
Valve Guide, Shortened .070" Standard Size						VG-S04
Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Fits intake and exhaust. Price (Each).						

Custom grinding is available please call us directly for more details.

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Suzuki RMZ 450 (2010) DOHC 4v

.396/.366	268°/266°	245°/243°	1040/1011	N/A	<b>71-651</b>	N/A
Performance profile to increase overall power. Works well for motocross applications. Requires Performance Valve Spring Kit, Exhaust System, and High Compression Piston. Check ALL clearances! Price Per Set (2).						
.383/.378	276°/268°	253°/244°	227/536	N/A	<b>71-661</b>	N/A
Performance profile designed to increase mid and upper end. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.408/.384	282°/272°	258°/248°	208/540	N/A	<b>71-671</b>	N/A
Race profile to add overall power throughout the RPM range. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.418/.363	284°/286°	261°/263°	242/216	N/A	<b>71-681</b>	N/A
Top end profile designed to increase mid and upper end. Works well for Super Motard and Flat Track applications. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
Cam Core						<b>CC-S49</b>
Please specify year and model when ordering. Price Per Set (2).						
Valve Spring Kit With Titanium Retainers (PSI)						<b>VC-S09</b>
Race Kit includes PSI dual valve springs, titanium retainers, bottom cups, and keepers. OK to .430 valve lift. Price Per Set (4).						
Valve Spring Kit With Titanium Retainers						<b>VC-S08</b>
Kit includes performance dual springs, titanium retainers and bottoms. OK to 0.415" valve lift. To be used with the OEM Keepers. Price Per Set (4).						
Valves, Stainless Intake Standard Size						<b>IV-S14</b>
Standard size 36 mm. Black Nitroleg Stem. Price (Each).						
Valves, Stainless Intake Oversized +1 mm						<b>IV-S15</b>
Oversized to 37 mm. Black Nitroleg Stem. Price (Each).						
Exhaust Standard Size						<b>EV-S14</b>
Standard size 31 mm. Black Nitroleg Stem. Price (Each).						
Valves, Stainless Exhaust Oversized +1 mm						<b>EV-S15</b>
Oversized to 32 mm. Black Nitroleg Stem. Price (Each).						
Valve Guide, Shortened .070" Standard Size						<b>VG-S04</b>
Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Fits intake and exhaust. Price (Each).						

Custom grinding is available please call us directly for more details.

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
.384/.381	272°/266°	248°/240°	540/613	N/A	<b>71-601</b>	N/A
Torque plus profile designed to increase acceleration without losing the top end. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.383/.378	276°/268°	253°/244°	227/536	N/A	<b>71-611</b>	N/A
Performance profile designed to increase mid and upper end. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.408/.384	282°/272°	258°/248°	208/540	N/A	<b>71-621</b>	N/A
Race profile to add overall power throughout the RPM range. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.415/.355	268°/276°	244°/252°	45/187	N/A	<b>71-631</b>	N/A
High lift short duration cam produces good overall power. Excellent throttle response. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.415/.363	268°/286°	244°/263°	45/216	N/A	<b>71-641</b>	N/A
Performance profile designed to increase mid and upper end. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.418/.363	284°/286°	261°/263°	242/216	N/A	<b>71-591</b>	N/A
Top end profile designed to increase mid and upper end. Works well for Super Motard and Flat Track applications. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
Cam Gear, Adjustable						<b>CG-S12</b>
Use with all WEB CAM profiles for precise engine tuning. Kit includes adjustable sprockets, adapters, cam bolts. Price Per Set (2).						
Valve Spring Kit With Titanium Retainers (PSI)						<b>VC-S09</b>
Race Kit includes PSI dual valve springs, titanium retainers, bottom cups, and keepers. OK to .430 valve lift. Price Per Set (4).						
Valve Spring Kit With Titanium Retainers						<b>VC-S08</b>
Kit includes performance dual springs, titanium retainers and bottoms. OK to 0.415" valve lift. To be used with the OEM Keepers. Price Per Set (4).						
Valves, Stainless Intake Standard Size						<b>IV-S14</b>
Standard size 36 mm. Black Nitroreg Stem. Price (Each).						
Valves, Stainless Intake Oversized +1 mm						<b>IV-S15</b>
Oversized to 37 mm. Black Nitroreg Stem. Price (Each).						
Exhaust Standard Size						<b>EV-S14</b>
Standard size 31 mm. Black Nitroreg Stem. Price (Each).						
Valves, Stainless Exhaust Oversized +1 mm						<b>EV-S15</b>
Oversized to 32 mm. Black Nitroreg Stem. Price (Each).						
Valve Guide, Shortened .070" Standard Size						<b>VG-S04</b>
Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Fits intake and exhaust. Price (Each).						

Custom grinding is available please call us directly for more details.

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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### Suzuki SP 600 (82-95) SOHC 4v

.390/.380 270°/270° 248°/248° 402 N/A 70-081 N/A  
Improved performance throughout RPM range. Requires Performance Valve Spring Kit.

.417/.405 275°/275° 254°/254° 40b N/A 70-091 N/A  
Designed to increase mid and upper end performance. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit.

Cam Core CC-S04  
Please specify year and model when ordering. Price (Each).

Valve Spring Kit With Titanium Retainers VC-S65  
Kit includes performance dual springs, Titanium retainers, shims, and keepers. OK up to .500" valve lift. Fits DR 600 / 650. Price Per Set (4).

### Suzuki SV 650 (98-02) DOHC 8v

.335/.250 262°/236° 236°/210° 566/85 N/A 70-741 70-742  
Performance profile designed to increase overall performance. Stock springs OK. Price Per Set (4).

.358/.350 268°/256° 241°/232° 11i/556 N/A 71-321 71-322  
Increases mid and upper end performance throughout the RPM range. Intake cam has a reduced base circle. Cap needs to be clearanced for cams to rotate freely. Requires Adjustable Cam Gears, Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (4).

.377/.350 260°/250° 240°/230° 100/101 N/A 70-771 70-772  
Race profile. Intake cam has a reduced base circle. Cap needs to be clearanced for cams to rotate freely. Requires Adjustable Cam Gears, Performance Valve Spring Kit, Exhaust System, and High Compression Piston. Check ALL clearances! Price Per Set (4).

Cam Gear, Adjustable CG-S00  
Use with all WEB CAM profiles for precise engine tuning. Price Per Set (4).

Valve Springs Only VS-S26  
Kit includes performance dual springs. Stock retainers OK. Price Per Set (8).

Valve Spring Kit With Titanium Retainers VC-S01  
Kit includes performance dual springs and Titanium retainers. OK up to .400" valve lift. Price Per Set (8).

Check cylinder head to lobe clearance. May need to be modified with some profiles.

### Suzuki TL 1000 S / TL 1000 R (97-03) V Twin DOHC 8v

.422/.400 286°/280° 260°/254° 109/189 N/A 70-781 N/A  
Designed to increase mid and upper end performance. Stock springs OK. Requires High Compression Piston. Check ALL clearances! Price Per Set (4).

Cam Gear, Adjustable With Adaptors CG-S03  
Use with all WEB CAM profiles for precise engine tuning. Kit includes adjustable sprockets, adapters, cam bolts. Price Per Set (4).

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Triumph 650 Twin 4v

.377/.377 280°/280° 257°/257° 19 N/A 52-001 N/A  
Offers improved overall performance for street and touring. Price Per Set (2).

.392/.392 302°/302° 274°/274° 18a N/A 52-011 N/A  
Good mid and upper end performance for high performance street. Price Per Set (2).

.408/.408 296°/296° 278°/278° 30 N/A 52-031 N/A  
Strong mid and upper end performance for racing engines. Requires High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).

Lifters Reground RL-073  
We will precision grind your stock lifters to factory specifications. Use with all reground cams. Price Per Set (4).

Valve Spring Kit With Titanium Retainers (Late) VC-T01  
Kit includes performance dual springs, Titanium retainers, and bottom cups. OK to .450" valve lift. Please specify year and model when ordering.

## Triumph 750 Triple

.385/.385 316°/316° 287°/287° 51a N/A 52-041 N/A  
Improved mid and upper end performance for street. Price Per Set (2).

.385/.385 326°/326° 297°/297° 51b N/A 52-051 N/A  
Strong mid and upper end performance for hot street. Requires High Compression Piston. Check ALL clearances! Price Per Set (2).

## Triumph 750 Twin (1973)

.377/.377 280°/280° 257°/257° 19 N/A 52-001 N/A  
Offers improved overall performance for street and touring. Price Per Set (2).

.392/.392 302°/302° 274°/274° 18a N/A 52-011 N/A  
Good mid and upper end performance for high performance street. Price Per Set (2).

.408/.408 296°/296° 278°/278° 30 N/A 52-031 N/A  
Strong mid and upper end performance for racing engines. Requires High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).

Lifters Reground RL-073  
We will precision grind your stock lifters to factory specifications. Use with all reground cams. Price Per Set (4).

Valve Spring Kit With Titanium Retainers (Late) VC-T01  
Kit includes performance dual springs, Titanium retainers, and bottom cups. OK to .450" valve lift. Please specify year and model when ordering.

## Triumph Trident T 150 (1972)

.385/.385 316°/316° 287°/287° 51a N/A 52-041 N/A  
Improved mid and upper end performance for street. Price Per Set (2).

.385/.385 326°/326° 297°/297° 51b N/A 52-051 N/A  
Strong mid and upper end performance for hot street. Requires High Compression Piston. Check ALL clearances! Price Per Set (2).

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Yamaha Fazor 250 SOHC 2v

.355/.355	262°/257°	240°/235°	87mc	N/A	<b>80-811</b>	N/A
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Performance profile designed to increase overall performance. Stock springs OK.

.368/.368	270°/268°	247°/245°	40b	N/A	<b>80-821</b>	N/A
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Performance profile designed to increase mid and upper end. Requires Performance Valve Spring Kit, and High Compression Piston.

.368/.368	280°/278°	257°/255°	40c	N/A	<b>81-121</b>	N/A
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Performance profile designed to increase mid and upper end. Requires High Compression Piston, and Performance Valve Spring Kit.

.396/.396	260°/264°	238°/242°	89mc	N/A	<b>80-831</b>	N/A
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High lift short duration profile to increase throttle response. Requires High Compression Piston, Performance Valve Spring Kit, and Exhaust System.

.400/.400	282°/286°	258°/262°	1076	N/A	<b>81-041</b>	N/A
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This profile was designed for racing engines. Requires Performance Valve Spring Kit, High Compression Piston, and Exhaust System. Check ALL clearances!

Valve Spring Kit With CrMo Retainers Beehive (Race) **VC-Y22**  
 Kit includes performance single ovate beehive springs, Chrome Moly retainers, bottom cups, and shims. OK to .475" valve lift. Price Per Set (2).

Valve Spring Kit With Titanium Retainers **VC-Y84**  
 Kit includes performance dual springs and chrome moly retainers, bottoms and shims. Needs shortened guides with lifts over .465. Price Per Set (2).

## Yamaha FJ 1100 (84-85) DOHC 16v

.350/.350	276°/276°	238°/238°	225	N/A	<b>80-291</b>	N/A
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Bolt in profile increases mid and upper end performance. Price Per Set (2).

.384/.384	272°/272°	248°/248°	540	N/A	<b>81-221</b>	N/A
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Strong mid and upper end performance for street / strip. Requires High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).

.395/.395	284°/284°	256°/256°	110	N/A	<b>80-301</b>	N/A
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Use in large displacement racing engines. Cam has a reduced base circle To 1.000. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).

Cam Gear, Adjustable **CG-Y01**  
 Use with all WEB CAM profiles for precise engine tuning. Price Per Set (2).

Buckets, Shim Under Racing **CF-H10**  
 Shim under-style. Must be used with 9.5 mm shims, and our shim under style retainers. Price Per Set (16).

Chain Tensioner, Manual **CT-Y01**  
 CNC machined from billet alloy to exact tolerances for perfect fit.

Retainers, Titanium Includes Special Keepers **RT-Y01**  
 Light weight CNC machined titanium retainers with special keepers. Please note these retainers can only be used with shim under style buckets and 9.5 mm shims. Price Per Set (16).

Valve Springs Only **VS-H10**  
 Performance dual valve springs. Can be used with stock or shim under retainers. OK to .500" valve lift. Price Per Set (16).

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Yamaha FJ 1200 (86-93) DOHC 16v

.350/.350	276°/276°	238°/238°	225	N/A	80-291	N/A
Bolt in profile increases mid and upper end performance. Price Per Set (2).						
.384/.384	272°/272°	248°/248°	540	N/A	81-221	N/A
Strong mid and upper end performance for street / strip. Requires High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).						
.395/.395	284°/284°	256°/256°	110	N/A	80-301	N/A
Use in large displacement racing engines. Cam has a reduced base circle To 1.000. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).						
Cam Gear, Adjustable	Use with all WEB CAM profiles for precise engine tuning. Price Per Set (2).					CG-Y01
Buckets, Shim Under Racing	Shim under-style. Must be used with 9.5 mm shims, and our shim under style retainers. Price Per Set (16).					CF-H10
Chain Tensioner, Manual	CNC machined from billet alloy to exact tolerances for perfect fit.					CT-Y01
Retainers, Titanium Includes Special Keepers	Light weight CNC machined titanium retainers with special keepers. Please note these retainers can only be used with shim under style buckets and 9.5 mm shims. Price Per Set (16).					RT-Y01
Valve Springs Only	Performance dual valve springs. Can be used with stock or shim under retainers. OK to .500" valve lift. Price Per Set (16).					VS-H10

## Yamaha FJ 600 (84-85) DOHC 16v

.330/.330	272°/272°	248°/248°	174	N/A	80-241	N/A
Good overall performance for hot street engines. Price Per Set (2).						
.370/.370	293°/293°	269°/269°	175	N/A	80-251	N/A
Strong mid and upper end performance for street / strip. Requires High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).						

## Yamaha FZ 1 (06-08) DOHC 20v

.315/.308	252°/257°	230°/234°	953/176+3°(6°)	N/A	81-311	N/A
Performance profile designed to increase mid and upper end. Additional charge will apply for this profile to hard chrome the intake journals only, exhaust cam does not need the journals chromed. See part CJ-000. Requires Exhaust System, and High Compression Piston. Check ALL clearances! Price Per Set (2).						
Hard Chrome Journals Intake	We will hard chrome and regrind your intake cam journals. Price (Each).					CJ-001
Hard Chrome Journals Exhaust	We will hard chrome and regrind your exhaust cam journals. Price (Each).					CJ-002

\*PLEASE NOTE SOME PROFILES MAY REQUIRE HARD CHROMING, ADDITIONAL COST WILL APPLY\*

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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### Yamaha FZ 600 (86-87) DOHC 16v

.330/.330	272°/272°	248°/248°	174	N/A	80-241	N/A
Good overall performance for hot street engines. Price Per Set (2).						
.370/.370	293°/293°	269°/269°	175	N/A	80-251	N/A
Strong mid and upper end performance for street / strip. Requires High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).						

### Yamaha FZR 400 (88-90) DOHC 16v

.309/.309	266°/266°	240°/240°	500	N/A	80-341	N/A
Designed for street / road race application. Stock springs OK. Stock carburetors not recommended! Price Per Set (2).						
.330/.330	272°/272°	248°/248°	174	N/A	80-061	N/A
Strong mid and upper end performance for racing engines. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).						
.352/.332	264°/264°	241°/241°	55/49	N/A	80-181	N/A
High lift short duration racing profile. Requires Exhaust System, High Compression Piston, Shortened Valve Guides, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						

Cam Gear, Adjustable

CG-Y00

Use with all WEB CAM profiles for precise engine tuning. Please specify year and model when ordering. Price Per Set (2).

### Yamaha FZR 600 (1988) DOHC 8v

.330/.330	272°/272°	248°/248°	174	N/A	80-241	N/A
Good overall performance for hot street engines. Price Per Set (2).						
.370/.370	293°/293°	269°/269°	175	N/A	80-251	N/A
Strong mid and upper end performance for street / strip. Requires High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).						

### Yamaha FZR 600 (89-99) DOHC 16v

.309/.309	266°/266°	240°/240°	500	N/A	80-341	N/A
Designed for street / road race application. Stock springs OK. Stock carburetors not recommended! Price Per Set (2).						
.330/.330	272°/272°	248°/248°	174	N/A	80-061	N/A
Strong mid and upper end performance for racing engines. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).						
.352/.332	264°/264°	241°/241°	55/49	N/A	80-181	N/A
High lift short duration racing profile. Requires Exhaust System, High Compression Piston, Shortened Valve Guides, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						

Cam Gear, Adjustable

CG-Y00

Use with all WEB CAM profiles for precise engine tuning. Please specify year and model when ordering. Price Per Set (2).

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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### Yamaha R 1 (98-99) DOHC 20v

.332	262°	243°	49	N/A	80-381	N/A
Special intake profile designed to increase mid and upper end performance. Hardwelded profile may need the journals hard chromed. See additional cost CJ-000. Requires Performance Valve Spring Kit, and High Compression Piston. Check ALL clearances! Price (Each).						
Hard Chrome Journals Intake We will hard chrome and regrind your intake cam journals. Price (Each).						CJ-001
Hard Chrome Journals Exhaust We will hard chrome and regrind your exhaust cam journals. Price (Each).						CJ-002
Valve Spring Kit With Titanium Retainers Kit includes performance dual springs and Titanium retainers. Price Per Set (20).						VC-Y06

\*PLEASE NOTE SOME PROFILES MAY REQUIRE HARD CHROMING, ADDITIONAL COST WILL APPLY\*

### Yamaha R 1 (00-03) DOHC 20v

				N/A	81-351	N/A
Call for custom grinding information. Hardwelded profiles may need the journals hard chromed. Price Per Set (2).						
.332	262°	243°	49	N/A	80-401	N/A
Special intake profile designed to increase mid and upper end performance. Hardwelded profile may need the journals hard chromed. Requires Performance Valve Spring Kit, High Compression Piston, and Adjustable Cam Gears. Price (Each).						
Hard Chrome Journals Intake We will hard chrome and regrind your intake cam journals. Price (Each).						CJ-001
Hard Chrome Journals Exhaust We will hard chrome and regrind your exhaust cam journals. Price (Each).						CJ-002
Cam Gear, Adjustable Use with all WEB CAM profiles for precise engine tuning. Price Per Set (2).						CG-Y07
Valve Spring Kit With Titanium Retainers Kit includes performance dual springs and Titanium retainers. Price Per Set (20).						VC-Y06

\*PLEASE NOTE SOME PROFILES MAY REQUIRE HARD CHROMING, ADDITIONAL COST WILL APPLY\*

### Yamaha R 1 (04-06) DOHC 20v

					80-311	N/A
Call for custom grinding information. Additional charge will apply for this profile to hard chrome journals. Price Per Set (2).N/A						
Cam Core Please specify year and model when ordering. Price Per Set (2).						CC-402
Hard Chrome Journals Intake We will hard chrome and regrind your intake cam journals. Price (Each).						CJ-001
Hard Chrome Journals Exhaust We will hard chrome and regrind your exhaust cam journals. Price (Each).						CJ-002
Valve Spring Kit With Titanium Retainers Kit includes performance single springs, Titanium retainers, and bottoms. OK to .380" valve lift. Price Per Set (20).						VC-Y04

\*PLEASE NOTE SOME PROFILES MAY REQUIRE HARD CHROMING, ADDITIONAL COST WILL APPLY\*

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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### Yamaha R 1 (07-08) DOHC 16v

.376/.338	272°/264°	242°/234°	760/11e	<b>81-280</b>	N/A	N/A
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Stock lift with less duration to increase torque and acceleration. Price Per Set (2).

.369/.338	280°/268°	252°/247°	549/192	N/A	<b>81-291</b>	N/A
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Performance profile designed to increase mid and upper end. Hardwelded profiles will need the journals hard chromed. Requires Exhaust System, and High Compression Piston. Check ALL clearances! Price Per Set (2).

.380/.348	282°/273°	258°/249°	931/934	N/A	<b>81-301</b>	N/A
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Performance profile designed to increase mid and upper end. Hardwelded profiles will need the journals hard chromed. Requires Exhaust System, and High Compression Piston. Check ALL clearances! Price Per Set (2).

Hard Chrome Journals CJ-000  
 We will hard chrome and regrind your cam journals. Price Per Set (2).

*\*PLEASE NOTE SOME PROFILES MAY REQUIRE HARD CHROMING, ADDITIONAL COST WILL APPLY\**

### Yamaha R 1 (2009) DOHC 16v

				<b>81-270</b>	<b>81-271</b>	N/A
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Call for custom grinding information. Hardwelded profiles will need the journals hard chromed. Additional charge will apply for this profile to hard chrome journals. See part CJ-000. Price Per Set (2).

Hard Chrome Journals CJ-000  
 We will hard chrome and regrind your cam journals. Price Per Set (2).

*\*PLEASE NOTE SOME PROFILES MAY REQUIRE HARD CHROMING, ADDITIONAL COST WILL APPLY\**

### Yamaha SR 250 (1986) SOHC 2v

Rocker Arm Hardwelded HR-Y03  
 We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).

### Yamaha SR 250 EY 6 (80-81) SOHC 2v

Rocker Arm Hardwelded HR-Y03  
 We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Yamaha SR 500 (75-82) SOHC 2v

.440/.440	264°/264°	240°/240°	89	80-010	80-011	N/A
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Use in stock engines for broad power range.

.440/.440	272°/272°	250°/250°	89a	80-020	80-021	N/A
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Good all around profile for stock or modified engines.

.502/.502	279°/279°	257°/257°	88mc	N/A	80-031	N/A
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Strong mid and upper end performance for street and off-road. Requires Exhaust System, High Compression Piston / Big Bore, and Performance Valve Spring Kit.

.502/.502	292°/292°	270°/270°	88a	N/A	80-041	N/A
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Excellent upper end performance with broad power for racing engines. Requires Exhaust System, High Compression Piston / Big Bore, and Performance Valve Spring Kit.

Cam Core **CC-Y02**  
Please specify year and model when ordering. Price (Each).

Valve Spring Kit With Aluminum Retainers **VC-Y50**  
Kit includes performance dual springs, Aluminum retainers, bottom cups, shims, and keepers. OK to .600" valve lift. Price Per Set (2).

Valve Spring Kit With Titanium Retainers **VC-Y51**  
Kit includes performance dual springs, Titanium retainers bottom cups, shims, and keepers. OK to .600" valve lift. Price Per Set (2).

## Yamaha SRX 600 SOHC 4v

.375/.365	259°/259°	238°/238°	87	N/A	80-201	N/A
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Improved performance throughout RPM range.

.385/.375	268°/268°	247°/247°	40b	N/A	80-221	N/A
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Strong mid and upper end performance. Requires Exhaust System, High Compression Piston / Big Bore, and Performance Valve Spring Kit.

.420/.410	282°/282°	260°/260°	214	N/A	80-281	N/A
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Designed for motocross and off-road racing engines. Requires High Compression Piston, and Performance Valve Spring Kit.

.438/.426	290°/290°	268°/268°	172	N/A	80-191	N/A
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Special racing profile. Requires High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances!

Cam Core **CC-Y03**  
Please specify year and model when ordering. Price (Each).

Rocker Arm Hardwelded **HR-Y02**  
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).

Valve Spring Kit With Aluminum Retainers **VC-Y55**  
Kit includes performance dual springs, Aluminum retainers bottom cups, keepers, and shims. OK to .450" valve lift. Price Per Set (4).

Valve Spring Kit With Titanium Retainers **VC-Y5T**  
Kit includes performance dual springs, Titanium retainers, bottom cups, shims, and keepers. OK to .450" valve lift. Price Per Set (4).

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Yamaha TT 250 SOHC 2v

.390/.390	274°/274°	244°/244°	88mc	N/A	<b>80-161</b>	N/A
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Performance profile designed to increase overall performance. Includes new OEM bolt, washer and pin. Requires Performance Valve Spring Kit.

.430/.430	286°/286°	258°/258°	84	N/A	<b>80-171</b>	N/A
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Tremendous mid and upper end performance for racing engines. Includes new OEM bolt, washer and pin. Requires High Compression Piston, and Performance Valve Spring Kit.

Cam Core **CC-Y04**  
Please specify year and model when ordering. Price (Each).

Valve Spring Kit With Aluminum Retainers **VC-Y25**  
Kit includes performance dual springs, Aluminum retainers, bottom cups, keepers, and shims. Price Per Set (2).

Valve Spring Kit With Titanium Retainers **VC-Y30**  
Kit includes performance dual springs, Titanium retainers, bottoms, and steel keepers. OK to .520" valve lift. Check ALL clearances! Price Per Set (2).

**NOTE: Do not reuse your old bolt, washer or dowel pin! Torque your new bolt to 43 Ft. Lbs**

## Yamaha TT 350 (84-92) DOHC 4v

.330/.330	252°/252°	226°/226°	577	N/A	<b>81-081</b>	N/A
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Torque profile designed to bolt into a stock engine. Excellent throttle response. Price Per Set (2).

.335/.335	262°/262°	236°/236°	566	N/A	<b>81-091</b>	N/A
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Race profile designed to increase mid and upper end performance. Requires High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).

Valve Spring Kit With Titanium Retainers **VC-Y35**  
Kit includes performance dual springs, Titanium retainers, and shims. OK to .450" valve lift. Price Per Set (4).

## Yamaha TT 500 (75-82) SOHC 2v

.440/.440	264°/264°	240°/240°	89	<b>80-010</b>	<b>80-011</b>	N/A
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Use in stock engines for broad power range.

.440/.440	272°/272°	250°/250°	89a	<b>80-020</b>	<b>80-021</b>	N/A
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Good all around profile for stock or modified engines.

.502/.502	279°/279°	257°/257°	88mc	N/A	<b>80-031</b>	N/A
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Strong mid and upper end performance for street and off-road. Requires Exhaust System, High Compression Piston / Big Bore, and Performance Valve Spring Kit.

.502/.502	292°/292°	270°/270°	88a	N/A	<b>80-041</b>	N/A
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Excellent upper end performance with broad power for racing engines. Requires Exhaust System, High Compression Piston / Big Bore, and Performance Valve Spring Kit.

Cam Core **CC-Y02**  
Please specify year and model when ordering. Price (Each).

Valve Spring Kit With Aluminum Retainers **VC-Y50**  
Kit includes performance dual springs, Aluminum retainers, bottom cups, shims, and keepers. OK to .600" valve lift. Price Per Set (2).

Valve Spring Kit With Titanium Retainers **VC-Y51**  
Kit includes performance dual springs, Titanium retainers bottom cups, shims, and keepers. OK to .600" valve lift. Price Per Set (2).

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Yamaha TT 600 SOHC 4v

.375/.365	259°/259°	238°/238°	87	N/A	80-201	N/A
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Improved performance throughout RPM range.

.385/.375	268°/268°	247°/247°	40b	N/A	80-221	N/A
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Strong mid and upper end performance. Requires Exhaust System, High Compression Piston / Big Bore, and Performance Valve Spring Kit.

.420/.410	282°/282°	260°/260°	214	N/A	80-281	N/A
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Designed for motocross and off-road racing engines. Requires High Compression Piston, and Performance Valve Spring Kit.

.438/.426	290°/290°	268°/268°	172	N/A	80-191	N/A
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Special racing profile. Requires High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances!

Cam Core **CC-Y03**  
Please specify year and model when ordering. Price (Each).

Rocker Arm Hardwelded **HR-Y02**  
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).

Valve Spring Kit With Aluminum Retainers **VC-Y55**  
Kit includes performance dual springs, Aluminum retainers bottom cups, keepers, and shims. OK to .450" valve lift. Price Per Set (4).

Valve Spring Kit With Titanium Retainers **VC-Y5T**  
Kit includes performance dual springs, Titanium retainers, bottom cups, shims, and keepers. OK to .450" valve lift. Price Per Set (4).

## Yamaha TTR 125 (00-07) SOHC 2v

.253/.251	254°/253°	224°/223°	315	N/A	80-491	N/A
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Performance profile designed to increase overall performance. Requires High Compression Piston.

Cam Core **CC-Y16**  
Please specify year and model when ordering. Price (Each).

## Yamaha TTR 230 (06-09) SOHC 2v

.360/.360	258°/258°	236°/236°	40a	N/A	80-231	N/A
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Performance profile increases overall power throughout RPM range. Requires Exhaust System, and Performance Valve Spring Kit.

.395/.395	260°/260°	238°/238°	89	N/A	80-261	N/A
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Good overall performance increase. Requires Performance Valve Spring Kit.

.395/.395	270°/270°	248°/248°	89a	N/A	80-271	N/A
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Strong mid and upper end performance. Requires High Compression Piston, and Performance Valve Spring Kit.

Cam Core **CC-Y00**  
Please specify year and model when ordering. Price (Each).

Valve Spring Kit With CrMo Retainers Beehive (Race) **VC-Y22**  
Kit includes performance single ovate beehive springs, Chrome Moly retainers, bottom cups, and shims. OK to .475" valve lift. Price Per Set (2).

Valve Spring Kit With CrMo Retainers **VC-Y21**  
Kit includes performance dual springs and chrome moly retainers, bottoms and shims. Needs shortened guides with lifts over .465. Price Per Set (2).

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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Valve Spring Kit With Titanium Retainers Beehive (Race) VC-Y08  
 Kit includes performance single ovate beehive springs, titanium retainers, and bottom cups. OK to .475" valve lift. Price Per Set (2).

## Yamaha TTR 250 (99-06) DOHC 4v

.330/.330 252°/252° 226°/226° 577 N/A 80-111 N/A  
 Torque profile designed to bolt into a stock engine. Excellent throttle response. Price Per Set (2).

.335/.335 262°/262° 236°/236° 566 N/A 80-151 N/A  
 Race profile designed to increase mid and upper end performance. Requires Exhaust System. Check ALL clearances! Price Per Set (2).

Valves, Stainless Intake Standard Size IV-Y07  
 Standard size 28.50 mm. Price (Each).

Valves, Stainless Exhaust Standard Size EV-Y08  
 Standard size 24 mm. Price (Each).

Valves, Stainless Exhaust Oversized +1 mm OV-Y08  
 Oversized to 25 mm. Price (Each).

## Yamaha TTR 90 (00-07) SOHC 2v

653 N/A 80-471 N/A  
 Performance profile designed to increase overall performance. Requires High Compression Piston, and Exhaust System.

.247/.252 246°/246° 223°/226° 623+7.5°(15°) N/A 80-481 N/A  
 Improves mid and upper end performance. For use with a highly modified engine. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances!

Cam Core CC-Y08  
 Please specify year and model when ordering. Price (Each).

Valve Spring Kit With Titanium Retainers VC-Y01  
 Kit includes performance dual springs and Titanium retainers. Price Per Set (2).

## Yamaha TW 200 (87-12) SOHC 2v

.360/.360 258°/258° 236°/236° 40a N/A 80-231 N/A  
 Performance profile increases overall power throughout RPM range. Requires Exhaust System, and Performance Valve Spring Kit.

Cam Core CC-Y00  
 Please specify year and model when ordering. Price (Each).

Valve Spring Kit With CrMo Retainers Beehive (Race) VC-Y22  
 Kit includes performance single ovate beehive springs, Chrome Moly retainers, bottom cups, and shims. OK to .475" valve lift. Price Per Set (2).

Valve Spring Kit With CrMo Retainers VC-Y21  
 Kit includes performance dual springs and chrome moly retainers, bottoms and shims. Needs shortened guides with lifts over .465. Price Per Set (2).

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Yamaha V Max 1200 (85-99) DOHC 16v

.360/.360	270°/270°	246°/246°	116	N/A	80-321	N/A
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Improved mid and upper end performance. Price Per Set (4).

.383/.383	276°/276°	252°/252°	227	N/A	80-331	N/A
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Strong mid and upper end performance. Requires High Compression Piston, and Performance Valve Spring Kit. Price Per Set (4).

Valve Springs Only VS-H10  
 Performance dual valve springs. Can be used with stock or shim under retainers. OK to .500" valve lift. Price Per Set (16).

## Yamaha WR 250 F (01-13) DOHC 5v

.332/.338	262°/268°	243°/247°	49/192	N/A	81-001	81-002
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This profile is designed to increase power mid range torque. Do not recommend porting. Price Per Set (2).

.338/.338	268°/273°	247°/252°	192/192+2.5°(5°)	N/A	81-011	81-012
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Performance profile designed to increase mid and upper end. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).

Cam Core CC-Y29  
 Please specify year and model when ordering. Price Per Set (2).

Cam Gear, Adjustable With Adaptors CG-Y46  
 Use with all WEB CAM profiles for precise engine tuning. Kit includes adjustable sprockets, adapters, cam bolts. Fits 03-09 models. Price Per Set (2).

Valve Spring Kit With Aluminum Retainers VC-Y28  
 Kit includes performance single PSI Beehive Springs, Aluminum retainers, and bottom cups. OK to .400" valve lift. Price Per Set (5).

Valve Spring Kit With Titanium Retainers VC-Y26  
 Kit includes performance dual springs and Titanium retainers. OK up to 0.380" valve lift. Price Per Set (5).

Valve Spring Kit With Titanium Retainers VC-Y27  
 Kit includes performance single PSI Beehive Springs and Titanium retainers. The ultimate kit for extreme racing conditions. Price Per Set (5).

## Yamaha WR 250 R (08-13) DOHC 4v

.360/.360	261°/270°	237°/246°	1213/116	N/A	81-651	N/A
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Performance profile to add overall power throughout the RPM range. Requires Exhaust System. Check ALL clearances! Price Per Set (2).

Custom profiles available for this model, please call us directly.

## Yamaha WR 250 X (08-11) DOHC 4v

.360/.360	261°/270°	237°/246°	1213/116	N/A	81-651	N/A
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Performance profile to add overall power throughout the RPM range. Requires Exhaust System. Check ALL clearances! Price Per Set (2).

Custom profiles available for this model, please call us directly.

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Yamaha WR 400 F (98-00) DOHC 5v

.355/.355	276°/282°	252°/258°	187/943	N/A	80-361	N/A
Race profile designed to increase mid and upper end performance. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).						
.360/.338	266°/268°	242°/248°	297/192	N/A	80-371	N/A
Torque profile designed to bolt into a stock engine. Excellent throttle response. Price Per Set (2).						
Valve Spring Kit With Titanium Retainers Kit includes performance dual springs, Titanium retainers, and bottoms. Fits YZ / WR 400 / 426 engines. OK up to 0.380" valve lift. Price Per Set (5).						VC-Y44
Valves, Stainless Intake Center Standard Size Standard size 27 mm. Price (Each).						IV-Y01
Valves, Stainless Intake Standard Size Standard size 27 mm. Price (Each).						IV-Y00
Valves, Stainless Intake Center Oversized +1 mm Oversized to 28 mm. Price (Each).						IV-Y04
Valves, Stainless Intake Oversized +1 mm Oversized to 28 mm. Price (Each).						IV-Y03
Valves, Stainless Exhaust Standard Size Standard size 28 mm. Price (Each).						EV-Y02

## Yamaha WR 450 F (03-05) DOHC 5v

.355/.355	276°/282°	252°/258°	187/943	N/A	80-671	N/A
Improves mid and upper end performance. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).						
.355/.355	282°/282°	258°/258°	943	N/A	80-941	N/A
Race profile designed to increase mid and upper end performance. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).						
.360/.338	266°/268°	242°/247°	297/192	N/A	80-911	N/A
Torque profile. Excellent throttle response. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).						
Cam Gear, Adjustable With Adaptors Use with all WEB CAM profiles for precise engine tuning. Kit includes adjustable sprockets, adapters, cam bolts. Price Per Set (2).						CG-Y45
Valve Spring Kit With Aluminum Retainers Kit includes performance single PSI springs, Aluminum retainers, and bottom. OK to .400" valve lift. Price Per Set (5).						VC-Y07
Valve Spring Kit With Titanium Retainers Kit includes performance dual springs, Titanium retainers, valve guide seals, and bottoms. Required if using stainless steel valves. OK to .380 valve lift. Price Per Set (5).						VC-Y46
Valve Spring Kit With Titanium Retainers Kit includes performance single PSI springs, Titanium retainers, and bottom cups. OK to .400" valve lift. Price Per Set (5).						VC-Y49
Valves, Stainless Intake Center Standard Size Standard size 27 mm. Price (Each).						IV-Y09
Valves, Stainless Intake Standard Size Standard size 27 mm. Price (Each).						IV-Y06

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
Valves, Stainless Intake Center Oversized +1 mm Oversized to 28 mm. Price (Each).						IV-Y10
Valves, Stainless Intake Oversized +1 mm Oversized to 28 mm. Price (Each).						IV-Y08
Valves, Stainless Exhaust Standard Size Standard size 28 mm. Price (Each).						EV-Y11
Valves, Stainless Exhaust Oversized +1 mm Oversized to 29 mm. Price (Each).						EV-Y12
Valves, Titanium Intake Center Oversized +1 mm Oversized to 28 mm. Price (Each).						IV-Y15
Valves, Titanium Intake Oversized +1 mm Oversized to 28 mm. Price (Each).						IV-Y14
Valves, Titanium Intake Center Oversized +2 mm Oversized to 29 mm. Price (Each).						IV-Y18
Valves, Titanium Intake Oversized +2 mm Oversized to 29 mm. Price (Each).						IV-Y17
Valves, Titanium Exhaust Oversized +1 mm Oversized to 29 mm. Price (Each).						EV-Y16
Valves, Titanium Exhaust Oversized +2 mm Oversized to 30 mm. Price (Each).						EV-Y18
Valve Guide, Shortened .030" Intake Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010 Price (Each).						VG-Y02-I
Valve Guide, Shortened .030" Exhaust Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010 Price (Each).						VG-Y02-E

## Yamaha WR 450 F (2006) DOHC 5v

.355/.355	276°/282°	252°/258°	187/943	N/A	80-671	N/A
Improves mid and upper end performance. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).						
.355/.355	282°/282°	258°/258°	943	N/A	80-941	N/A
Race profile designed to increase mid and upper end performance. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).						
.360/.338	266°/268°	242°/247°	297/192	N/A	80-911	N/A
Torque profile. Excellent throttle response. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).						
Valve Spring Kit With Aluminum Retainers	Kit includes performance single PSI springs, Aluminum retainers, and bottom. OK to .400" valve lift. Price Per Set (5).					VC-Y07
Valve Spring Kit With Titanium Retainers	Kit includes performance dual springs, Titanium retainers, valve guide seals, and bottoms. Required if using stainless steel valves. OK to .380 valve lift. Price Per Set (5).					VC-Y46
Valve Spring Kit With Titanium Retainers	Kit includes performance single PSI springs, Titanium retainers, and bottom cups. OK to .400" valve lift. Price Per Set (5).					VC-Y49
Valves, Stainless Intake Center Standard Size Standard size 27 mm. Price (Each).						IV-Y09

<b>VALVE LIFT</b>	<b>DURATION</b>	<b>DURATION @.050</b>	<b>GRIND NUMBER</b>	<b>REGRIND</b>	<b>HARD WELD</b>	<b>NEW CAM</b>
Valves, Stainless Intake Standard Size Standard size 27 mm. Price (Each).						IV-Y06
Valves, Stainless Intake Center Oversized +1 mm Oversized to 28 mm. Price (Each).						IV-Y10
Valves, Stainless Intake Oversized +1 mm Oversized to 28 mm. Price (Each).						IV-Y08
Valves, Stainless Exhaust Standard Size Standard size 28 mm. Price (Each).						EV-Y11
Valves, Stainless Exhaust Oversized +1 mm Oversized to 29 mm. Price (Each).						EV-Y12
Valves, Titanium Intake Center Oversized +1 mm Oversized to 28 mm. Price (Each).						IV-Y15
Valves, Titanium Intake Oversized +1 mm Oversized to 28 mm. Price (Each).						IV-Y14
Valves, Titanium Intake Center Oversized +2 mm Oversized to 29 mm. Price (Each).						IV-Y18
Valves, Titanium Intake Oversized +2 mm Oversized to 29 mm. Price (Each).						IV-Y17
Valves, Titanium Exhaust Oversized +1 mm Oversized to 29 mm. Price (Each).						EV-Y16
Valves, Titanium Exhaust Oversized +2 mm Oversized to 30 mm. Price (Each).						EV-Y18
Valve Guide, Shortened .030" Intake Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010 Price (Each).						VG-Y02-I
Valve Guide, Shortened .030" Exhaust Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010 Price (Each).						VG-Y02-E

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
<b>Yamaha WR 450 F (07-13) DOHC 5v</b>						
.360/.338	266°/268°	242°/247°	297/192	N/A	81-141	N/A
High lift, short duration for racing engines. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
Cam Core						CC-Y30
Please specify year and model when ordering. Price Per Set (2).						
Valve Spring Kit With Aluminum Retainers						VC-Y07
Kit includes performance single PSI springs, Aluminum retainers, and bottom. OK to .400" valve lift. Price Per Set (5).						
Valve Spring Kit With Titanium Retainers						VC-Y46
Kit includes performance dual springs, Titanium retainers, valve guide seals, and bottoms. Required if using stainless steel valves. OK to .380 valve lift. Price Per Set (5).						
Valve Spring Kit With Titanium Retainers						VC-Y49
Kit includes performance single PSI springs, Titanium retainers, and bottom cups. OK to .400" valve lift. Price Per Set (5).						
Valves, Stainless Intake Center Standard Size						IV-Y09
Standard size 27 mm. Price (Each).						
Valves, Stainless Intake Standard Size						IV-Y06
Standard size 27 mm. Price (Each).						
Valves, Stainless Intake Center Oversized +1 mm						IV-Y10
Oversized to 28 mm. Price (Each).						
Valves, Stainless Intake Oversized +1 mm						IV-Y08
Oversized to 28 mm. Price (Each).						
Valves, Stainless Exhaust Standard Size						EV-Y11
Standard size 28 mm. Price (Each).						
Valves, Stainless Exhaust Oversized +1 mm						EV-Y12
Oversized to 29 mm. Price (Each).						
Valves, Titanium Intake Center Oversized +1 mm						IV-Y15
Oversized to 28 mm. Price (Each).						
Valves, Titanium Intake Oversized +1 mm						IV-Y14
Oversized to 28 mm. Price (Each).						
Valves, Titanium Intake Center Oversized +2 mm						IV-Y18
Oversized to 29 mm. Price (Each).						
Valves, Titanium Intake Oversized +2 mm						IV-Y17
Oversized to 29 mm. Price (Each).						
Valves, Titanium Exhaust Oversized +1 mm						EV-Y16
Oversized to 29 mm. Price (Each).						
Valves, Titanium Exhaust Oversized +2 mm						EV-Y18
Oversized to 30 mm. Price (Each).						
Valve Guide, Shortened .030" Intake Standard Size						VG-Y02-I
Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010 Price (Each).						
Valve Guide, Shortened .030" Exhaust Standard Size						VG-Y02-E
Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010 Price (Each).						

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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### Yamaha XS 1100 (78-81) DOHC 8v

.365/.365 286°/286° 245°/245° 118 N/A 80-121 N/A  
 High performance street cam for stock engines. Price Per Set (2).

.395/.395 284°/284° 256°/256° 110 N/A 80-131 N/A  
 Strong mid and upper end performance for street / strip. Requires High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).

.435/.435 288°/288° 260°/260° 125 N/A 80-141 N/A  
 Excellent upper end performance for racing engines. Requires Performance Valve Spring Kit, Shim Under Followers, and High Compression Piston. Price Per Set (2).

Valve Springs Only VS-Y11  
 Dual performance valve springs. OK up to 0.440" valve lift. Stock retainers OK.

### Yamaha XS 500 (1976) DOHC 8v

201 N/A 81-641 N/A  
 Performance profile to increase overall performance. Price Per Set (2).

### Yamaha XS 650 Twin (68-85) 4v

.395/.395 280°/280° 240°/240° 59 80-070 N/A N/A  
 Broad power range for street and touring.

.395/.395 290°/290° 252°/252° 59a 80-080 N/A N/A  
 Good mid and upper end performance for hot street. Requires Performance Valve Spring Kit.

.475/.475 302°/302° 266°/266° 84 N/A 80-101 N/A  
 Strong mid and upper end performance for racing engines. Requires Performance Valve Spring Kit.

Valve Spring Kit With Aluminum Retainers Fits 1972-1985 VC-Y65  
 Kit includes performance dual springs Aluminum retainers, and bottom cups. Fits 1972-1985. Price Per Set (4).

Valve Spring Kit With Aluminum Retainers VC-Y64  
 Kit includes performance dual springs and Aluminum retainers. Fits 1971 and down. OK to .450 valve lift. Price Per Set (4).

Valve Spring Kit With Titanium Retainers VC-Y19  
 Kit includes performance dual springs and Titanium retainers. Must use shortened valve guides for high lift cams with this spring kit. Fits 1975-1983. OK to .515 valve lift. Price Per Set (4).

Valves, Stainless Intake Standard Size IV-Y19  
 Standard size 41 mm. Price (Each).

Valves, Stainless Exhaust Standard Size EV-Y19  
 Standard size 35 mm. Price (Each).

We also has available profiles for the a 270° and 277° cranks. Call us for more details.

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Yamaha XS 750 (77-79) DOHC 8v

.365/.365	286°/286°	245°/245°	118	N/A	80-121	N/A
High performance street cam for stock engines. Price Per Set (2).						
.395/.395	284°/284°	256°/256°	110	N/A	80-131	N/A
Strong mid and upper end performance for street / strip. Requires High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).						
.435/.435	288°/288°	260°/260°	125	N/A	80-141	N/A
Excellent upper end performance for racing engines. Requires Performance Valve Spring Kit, Shim Under Followers, and High Compression Piston. Price Per Set (2).						

### Valve Springs Only

Dual performance valve springs. OK up to 0.440" valve lift. Stock retainers OK.

**VS-Y11**

## Yamaha XT 200 (82-83) SOHC 2v

.360/.360	258°/258°	236°/236°	40a	N/A	80-231	N/A
Performance profile increases overall power throughout RPM range. Requires Exhaust System, and Performance Valve Spring Kit.						
.395/.395	260°/260°	238°/238°	89	N/A	80-261	N/A
Good overall performance increase. Requires Performance Valve Spring Kit.						
.395/.395	270°/270°	248°/248°	89a	N/A	80-271	N/A
Strong mid and upper end performance. Requires High Compression Piston, and Performance Valve Spring Kit.						

### Cam Core

Please specify year and model when ordering. Price (Each).

**CC-Y00**

### Valve Spring Kit With CrMo Retainers Beehive (Race)

Kit includes performance single ovate beehive springs, Chrome Moly retainers, bottom cups, and shims. OK to .475" valve lift. Price Per Set (2).

**VC-Y22**

### Valve Spring Kit With CrMo Retainers

Kit includes performance dual springs and chrome moly retainers, bottoms and shims. Needs shortened guides with lifts over .465. Price Per Set (2).

**VC-Y21**

### Valve Spring Kit With Titanium Retainers Beehive (Race)

Kit includes performance single ovate beehive springs, titanium retainers, and bottom cups. OK to .475" valve lift. Price Per Set (2).

**VC-Y08**

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Yamaha XT 250 (80-83) SOHC 2v

.390/.390 274°/274° 244°/244° 88mc N/A **80-161** N/A  
 Performance profile designed to increase overall performance. Includes new OEM bolt, washer and pin. Requires Performance Valve Spring Kit.

.430/.430 286°/286° 258°/258° 84 N/A **80-171** N/A  
 Tremendous mid and upper end performance for racing engines. Includes new OEM bolt, washer and pin. Requires High Compression Piston, and Performance Valve Spring Kit.

Cam Core **CC-Y04**  
 Please specify year and model when ordering. Price (Each).

Valve Spring Kit With Aluminum Retainers **VC-Y25**  
 Kit includes performance dual springs, Aluminum retainers, bottom cups, keepers, and shims. Price Per Set (2).

Valve Spring Kit With Titanium Retainers **VC-Y30**  
 Kit includes performance dual springs, Titanium retainers, bottoms, and steel keepers. OK to .520" valve lift. Check ALL clearances! Price Per Set (2).

**NOTE: Do not reuse your old bolt, washer or dowel pin! Torque your new bolt to 43 Ft. Lbs**

## Yamaha XT 350 (84-92) DOHC 4v

.330/.330 252°/252° 226°/226° 577 N/A **81-081** N/A  
 Torque profile designed to bolt into a stock engine. Excellent throttle response. Price Per Set (2).

.335/.335 262°/262° 236°/236° 566 N/A **81-091** N/A  
 Race profile designed to increase mid and upper end performance. Requires High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).

Valve Spring Kit With Titanium Retainers **VC-Y35**  
 Kit includes performance dual springs, Titanium retainers, and shims. OK to .450" valve lift. Price Per Set (4).

## Yamaha XT 500 (75-82) SOHC 2v

.440/.440 264°/264° 240°/240° 89 **80-010** **80-011** N/A  
 Use in stock engines for broad power range.

.440/.440 272°/272° 250°/250° 89a **80-020** **80-021** N/A  
 Good all around profile for stock or modified engines.

.502/.502 279°/279° 257°/257° 88mc N/A **80-031** N/A  
 Strong mid and upper end performance for street and off-road. Requires Exhaust System, High Compression Piston / Big Bore, and Performance Valve Spring Kit.

.502/.502 292°/292° 270°/270° 88a N/A **80-041** N/A  
 Excellent upper end performance with broad power for racing engines. Requires Exhaust System, High Compression Piston / Big Bore, and Performance Valve Spring Kit.

Cam Core **CC-Y02**  
 Please specify year and model when ordering. Price (Each).

Valve Spring Kit With Aluminum Retainers **VC-Y50**  
 Kit includes performance dual springs, Aluminum retainers, bottom cups, shims, and keepers. OK to .600" valve lift. Price Per Set (2).

Valve Spring Kit With Titanium Retainers **VC-Y51**  
 Kit includes performance dual springs, Titanium retainers bottom cups, shims, and keepers. OK to .600" valve lift. Price Per Set (2).

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Yamaha XT 550 (82-83) SOHC 4v

.375/.365	259°/259°	238°/238°	87	N/A	80-201	N/A
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Improved performance throughout RPM range.

.385/.375	268°/268°	247°/247°	40b	N/A	80-221	N/A
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Strong mid and upper end performance. Requires Exhaust System, High Compression Piston / Big Bore, and Performance Valve Spring Kit.

.420/.410	282°/282°	260°/260°	214	N/A	80-281	N/A
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Designed for motocross and off-road racing engines. Requires High Compression Piston, and Performance Valve Spring Kit.

.438/.426	290°/290°	268°/268°	172	N/A	80-191	N/A
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Special racing profile. Requires High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances!

Cam Core **CC-Y03**  
Please specify year and model when ordering. Price (Each).

Rocker Arm Hardwelded **HR-Y02**  
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).

Valve Spring Kit With Aluminum Retainers **VC-Y55**  
Kit includes performance dual springs, Aluminum retainers bottom cups, keepers, and shims. OK to .450" valve lift. Price Per Set (4).

Valve Spring Kit With Titanium Retainers **VC-Y5T**  
Kit includes performance dual springs, Titanium retainers, bottom cups, shims, and keepers. OK to .450" valve lift. Price Per Set (4).

## Yamaha XT 600 SOHC 4v

.375/.365	259°/259°	238°/238°	87	N/A	80-201	N/A
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Improved performance throughout RPM range.

.385/.375	268°/268°	247°/247°	40b	N/A	80-221	N/A
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Strong mid and upper end performance. Requires Exhaust System, High Compression Piston / Big Bore, and Performance Valve Spring Kit.

.420/.410	282°/282°	260°/260°	214	N/A	80-281	N/A
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Designed for motocross and off-road racing engines. Requires High Compression Piston, and Performance Valve Spring Kit.

.438/.426	290°/290°	268°/268°	172	N/A	80-191	N/A
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Special racing profile. Requires High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances!

Cam Core **CC-Y03**  
Please specify year and model when ordering. Price (Each).

Rocker Arm Hardwelded **HR-Y02**  
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).

Valve Spring Kit With Aluminum Retainers **VC-Y55**  
Kit includes performance dual springs, Aluminum retainers bottom cups, keepers, and shims. OK to .450" valve lift. Price Per Set (4).

Valve Spring Kit With Titanium Retainers **VC-Y5T**  
Kit includes performance dual springs, Titanium retainers, bottom cups, shims, and keepers. OK to .450" valve lift. Price Per Set (4).

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Yamaha XVS 1100 V Star Twin (99-09) SOHC 4v

Custom performance profiles available. Please call for more information.

N/A

81-071

N/A

Valve Spring Kit With Titanium Retainers

VC-Y45

Kit includes performance dual springs, Titanium retainers, bottom cups, and shims. OK to .450" valve lift. Price Per Set (4).

Performance kits are available from Pacific Coast Star 509/466-3410

## Yamaha YFM 100 (85-07) SOHC 2v

.240/.240 246°/246°  
Good torque and acceleration. Bolts in with no modifications.

623

N/A

80-891

N/A

.244/.244 266°/266°  
Bolt in profile increases mid and upper end performance.

315

N/A

80-211

N/A

Cam Core

CC-Y09

Please specify year and model when ordering. Price (Each).

## Yamaha YFM 80 (85-07) SOHC 2v

.240/.240 246°/246°  
Good torque and acceleration. Bolts in with no modifications.

623

N/A

80-891

N/A

.244/.244 266°/266°  
Bolt in profile increases mid and upper end performance.

315

N/A

80-211

N/A

Cam Core

CC-Y09

Please specify year and model when ordering. Price (Each).

## Yamaha YTM 200 (83-85) SOHC 2v

.360/.360 258°/258° 236°/236°  
Performance profile increases overall power throughout RPM range. Requires Exhaust System, and Performance Valve Spring Kit.

40a

N/A

80-231

N/A

.395/.395 260°/260° 238°/238°  
Good overall performance increase. Requires Performance Valve Spring Kit.

89

N/A

80-261

N/A

.395/.395 270°/270° 248°/248°  
Strong mid and upper end performance. Requires High Compression Piston, and Performance Valve Spring Kit.

89a

N/A

80-271

N/A

Cam Core

CC-Y00

Please specify year and model when ordering. Price (Each).

Valve Spring Kit With CrMo Retainers Beehive (Race)

VC-Y22

Kit includes performance single ovate beehive springs, Chrome Moly retainers, bottom cups, and shims. OK to .475" valve lift. Price Per Set (2).

Valve Spring Kit With CrMo Retainers

VC-Y21

Kit includes performance dual springs and chrome moly retainers, bottoms and shims. Needs shortened guides with lifts over .465. Price Per Set (2).

Valve Spring Kit With Titanium Retainers Beehive (Race)

VC-Y08

Kit includes performance single ovate beehive springs, titanium retainers, and bottom cups. OK to .475" valve lift. Price Per Set (2).

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
<b>Yamaha YZ 250 F (01-13) DOHC 5v</b>						
.332/.338	262°/268°	243°/247°	49/192	N/A	<b>80-431</b>	<b>80-432</b>
This profile is designed to increase overall performance. Excellent throttle response. Works well in Supercross applications. Requires Performance Valve Spring Kit, and Exhaust System. Check ALL clearances! Price Per Set (2).						
.338/.338	268°/273°	247°/252°	192/192+2.5°(5°)	N/A	<b>80-631</b>	<b>80-632</b>
Excellent motocross profile to increase overall performance. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.338/.355	273°/282°	252°/258°	192+2.5°(5°)/943	N/A	<b>80-921</b>	<b>80-922</b>
Performance profile designed to increase mid and upper end. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.355/.355	282°/282°	258°/258°	943	N/A	<b>80-441</b>	<b>80-442</b>
Race profile designed for extreme acceleration with added mid and upper end performance. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.356/.356	282°/282°	262°/262°	963	N/A	<b>80-901</b>	<b>80-902</b>
Racing profile for top end applications. Requires Performance Valve Spring Kit, Exhaust System, and High Compression Piston. Check ALL clearances! Price Per Set (2).						
.360/.338	266°/268°	242°/248°	297/192	N/A	<b>80-721</b>	<b>80-722</b>
Torque profile with excellent throttle response. Requires Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.360/.355	274°/276°	252°/252°	933/187	N/A	<b>80-801</b>	<b>80-802</b>
Race profile designed to increase mid and upper. Can be used for Supercross or Motorcross applications. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
Cam Core						<b>CC-Y14</b>
Please specify year and model when ordering. New cams are sold outright. No core required. Price Per Set (2).						
Cam Gear, Adjustable With Adaptors						<b>CG-Y46</b>
Use with all WEB CAM profiles for precise engine tuning. Kit includes adjustable sprockets, adapters, cam bolts. Fits 03-09 models. Price Per Set (2).						
Valve Spring Kit With Aluminum Retainers						<b>VC-Y28</b>
Kit includes performance single PSI Beehive Springs, Aluminum retainers, and bottom cups. OK to .400" valve lift. Price Per Set (5).						
Valve Spring Kit With Titanium Retainers						<b>VC-Y26</b>
Kit includes performance dual springs and Titanium retainers. OK up to 0.380" valve lift. Price Per Set (5).						
Valve Spring Kit With Titanium Retainers						<b>VC-Y27</b>
Kit includes performance single PSI Beehive Springs and Titanium retainers. The ultimate kit for extreme racing conditions. Price Per Set (5).						
Valves, Stainless Intake Center Standard Size						<b>IV-Y13</b>
Standard size 23 mm. Price (Each).						
Valves, Stainless Intake Standard Size						<b>IV-Y12</b>
Standard size 23 mm. Price (Each).						
Valves, Stainless Exhaust Standard Size						<b>EV-Y13</b>
Standard size 24.51 mm. Price (Each).						
Valves, Titanium Intake Center Standard Size						<b>IV-Y21</b>
Standard size 23 mm. Price (Each).						
Valves, Titanium Intake Standard Size						<b>IV-Y20</b>
Standard size 23 mm. Price (Each).						
Valves, Titanium Exhaust Standard Size						<b>EV-Y14</b>
Standard size 24.51 mm. Price (Each).						

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
Valves, Titanium Exhaust Oversized 1.5 mm Oversized to 26 mm. Price (Each).						OV-Y18
Valve Guide, Shortened .080" Intake Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010 Price (Each).						VG-Y05-I
Valve Guide, Shortened .025" Exhaust Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010 Price (Each).						VG-Y05-E

## Yamaha YZ 400 F (98-99) DOHC 5v

.355/.355	276°/282°	252°/258°	187/943	N/A	80-361	N/A
Race profile designed to increase mid and upper end performance. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).						
.360/.338	266°/268°	242°/248°	297/192	N/A	80-371	N/A
Torque profile designed to bolt into a stock engine. Excellent throttle response. Price Per Set (2).						
Cam Core Please specify year and model when ordering. Price Per Set (2).						CC-Y10
Valve Spring Kit With Titanium Retainers Kit includes performance dual springs, Titanium retainers, and bottoms. Fits YZ / WR 400 / 426 engines. OK up to 0.380" valve lift. Price Per Set (5).						VC-Y44
Valves, Stainless Intake Center Standard Size Standard size 27 mm. Price (Each).						IV-Y01
Valves, Stainless Intake Standard Size Standard size 27 mm. Price (Each).						IV-Y00
Valves, Stainless Intake Center Oversized +1 mm Oversized to 28 mm. Price (Each).						IV-Y04
Valves, Stainless Intake Oversized +1 mm Oversized to 28 mm. Price (Each).						IV-Y03
Valves, Stainless Exhaust Standard Size Standard size 28 mm. Price (Each).						EV-Y02

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Yamaha YZ 426 F (2000) DOHC 5v

.355/.355	276°/282°	252°/258°	187/943	N/A	<b>80-361</b>	N/A
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Race profile designed to increase mid and upper end performance. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).

.360/.338	266°/268°	242°/248°	297/192	N/A	<b>80-371</b>	N/A
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Torque profile designed to bolt into a stock engine. Excellent throttle response. Price Per Set (2).

Cam Core **CC-Y10**  
Please specify year and model when ordering. Price Per Set (2).

Valve Spring Kit With Titanium Retainers **VC-Y44**  
Kit includes performance dual springs, Titanium retainers, and bottoms. Fits YZ / WR 400 / 426 engines. OK up to 0.380" valve lift. Price Per Set (5).

Valves, Stainless Intake Center Standard Size **IV-Y01**  
Standard size 27 mm. Price (Each).

Valves, Stainless Intake Standard Size **IV-Y00**  
Standard size 27 mm. Price (Each).

Valves, Stainless Intake Center Oversized +1 mm **IV-Y04**  
Oversized to 28 mm. Price (Each).

Valves, Stainless Intake Oversized +1 mm **IV-Y03**  
Oversized to 28 mm. Price (Each).

Valves, Stainless Exhaust Standard Size **EV-Y02**  
Standard size 28 mm. Price (Each).

## Yamaha YZ 426 F (01-02) DOHC 5v

.355/.355	276°/282°	252°/258°	187/943	N/A	<b>80-361</b>	N/A
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Race profile designed to increase mid and upper end performance. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).

.360/.338	266°/268°	242°/248°	297/192	N/A	<b>80-371</b>	N/A
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Torque profile designed to bolt into a stock engine. Excellent throttle response. Price Per Set (2).

Valve Spring Kit With Titanium Retainers **VC-Y44**  
Kit includes performance dual springs, Titanium retainers, and bottoms. Fits YZ / WR 400 / 426 engines. OK up to 0.380" valve lift. Price Per Set (5).

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
<b>Yamaha YZ 450 F (03-07) DOHC 5v</b>						
.355/.338	276°/281°	252°/257°	187/159e	N/A	80-741	80-742
Increases overall performance throughout RPM range. Requires Exhaust System, High Compression Piston, and If 06-07 engine and / or using stainless valves we recommend a Performance Valve Spring Kit. Price Per Set (2).						
.355/.355	276°/282°	252°/258°	187/943	N/A	80-551	80-552
Improves mid and upper end performance. Requires Exhaust System, High Compression Piston, and If 06-07 engine and / or using stainless valves we recommend a Performance Valve Spring Kit. Price Per Set (2).						
.355/.355	282°/282°	258°/258°	943	N/A	80-841	80-842
Race profile designed to increase mid and upper end performance. Requires Exhaust System, High Compression Piston, and If 06-07 engine and / or using stainless valves we recommend a Performance Valve Spring Kit. Price Per Set (2).						
.355/.356	282°/282°	258°/262°	943/963	N/A	80-601	80-602
Race profile designed to increase mid and upper end performance. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).						
.356/.356	282°/282°	262°/262°	963	N/A	80-591	80-592
Race profile designed to increase mid and upper end performance. Works good for TT or Flat Track racing. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.360/.332	266°/262°	242°/243°	297/49	N/A	81-051	81-052
Torque profile designed to bolt into a stock engine 03-05. Excellent throttle response. Requires If 06-07 engine and / or using stainless valves we recommend a Performance Valve Spring Kit. Price Per Set (2).						
.360/.338	266°/268°	242°/247°	297/192	N/A	80-511	80-512
Torque profile designed to bolt into a stock engine 03-05. Excellent throttle response. Requires If 06-07 engine and / or using stainless valves we recommend a Performance Valve Spring Kit. Price Per Set (2).						
Cam Core						CC-Y01
Please specify year and model when ordering. New cams are sold outright. No core required. Price Per Set (2).						
Cam Gear, Adjustable With Adaptors						CG-Y45
Use with all WEB CAM profiles for precise engine tuning. Kit includes adjustable sprockets, adapters, cam bolts. Price Per Set (2).						
Valve Spring Kit With Aluminum Retainers						VC-Y07
Kit includes performance single PSI springs, Aluminum retainers, and bottom. OK to .400" valve lift. Price Per Set (5).						
Valve Spring Kit With Titanium Retainers						VC-Y46
Kit includes performance dual springs, Titanium retainers, valve guide seals, and bottoms. Required if using stainless steel valves. OK to .380 valve lift. Price Per Set (5).						
Valve Spring Kit With Titanium Retainers						VC-Y49
Kit includes performance single PSI springs, Titanium retainers, and bottom cups. OK to .400" valve lift. Price Per Set (5).						
Valves, Stainless Intake Center Standard Size						IV-Y09
Standard size 27 mm. Price (Each).						
Valves, Stainless Intake Standard Size						IV-Y06
Standard size 27 mm. Price (Each).						
Valves, Stainless Intake Center Oversized +1 mm						IV-Y10
Oversized to 28 mm. Price (Each).						
Valves, Stainless Intake Oversized +1 mm						IV-Y08
Oversized to 28 mm. Price (Each).						
Valves, Stainless Exhaust Standard Size						EV-Y11
Standard size 28 mm. Price (Each).						
Valves, Stainless Exhaust Oversized +1 mm						EV-Y12
Oversized to 29 mm. Price (Each).						

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
Valves, Titanium Intake Center Oversized +1 mm Oversized to 28 mm. Price (Each).						IV-Y15
Valves, Titanium Intake Oversized +1 mm Oversized to 28 mm. Price (Each).						IV-Y14
Valves, Titanium Intake Center Oversized +2 mm Oversized to 29 mm. Price (Each).						IV-Y18
Valves, Titanium Intake Oversized +2 mm Oversized to 29 mm. Price (Each).						IV-Y17
Valves, Titanium Exhaust Oversized +1 mm Oversized to 29 mm. Price (Each).						EV-Y16
Valves, Titanium Exhaust Oversized +2 mm Oversized to 30 mm. Price (Each).						EV-Y18
Valve Guide, Shortened .030" Intake Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010 Price (Each).						VG-Y02-I
Valve Guide, Shortened .030" Exhaust Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010 Price (Each).						VG-Y02-E

## Yamaha YZ 450 F (08-09) DOHC 5v

.355/.338	276°/281°	252°/257°	187/159e	N/A	80-731	80-732
Increases overall performance throughout RPM range. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).						
.355/.355	276°/282°	252°/258°	187/943	N/A	80-771	80-772
Improves mid and upper end performance. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).						
.355/.355	282°/282°	258°/258°	943	N/A	80-781	80-782
Race profile designed to increase mid and upper end performance. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).						
.356/.356	282°/282°	262°/262°	963	N/A	80-791	80-792
Race profile designed to increase mid and upper end performance. Works good for TT or Flat Track racing. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit if using Stainless Valves. Check ALL clearances! Price Per Set (2).						
.356/.363	282°/286°	262°/263°	963/216	N/A	81-161	81-162
Race profile. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.360/.338	266°/268°	242°/247°	297/192	N/A	80-761	80-762
Torque profile designed to give excellent throttle response. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).						
Cam Core	Please specify year and model when ordering. Price Per Set (2).					CC-Y32
Cam Gear, Adjustable With Adaptors	Use with all WEB CAM profiles for precise engine tuning. Kit includes adjustable sprockets, adapters, cam bolts. Price Per Set (2).					CG-Y45
Valve Spring Kit With Aluminum Retainers	Kit includes performance single PSI springs, Aluminum retainers, and bottom. OK to .400" valve lift. Price Per Set (5).					VC-Y07

<b>VALVE LIFT</b>	<b>DURATION</b>	<b>DURATION @.050</b>	<b>GRIND NUMBER</b>	<b>REGRIND</b>	<b>HARD WELD</b>	<b>NEW CAM</b>
Valve Spring Kit With Titanium Retainers Kit includes performance dual springs, Titanium retainers, valve guide seals, and bottoms. Required if using stainless steel valves. OK to .380 valve lift. Price Per Set (5).						<b>VC-Y46</b>
Valve Spring Kit With Titanium Retainers Kit includes performance single PSI springs, Titanium retainers, and bottom cups. OK to .400" valve lift. Price Per Set (5).						<b>VC-Y49</b>
Valves, Stainless Intake Center Standard Size Standard size 27 mm. Price (Each).						<b>IV-Y09</b>
Valves, Stainless Intake Standard Size Standard size 27 mm. Price (Each).						<b>IV-Y06</b>
Valves, Stainless Intake Center Oversized +1 mm Oversized to 28 mm. Price (Each).						<b>IV-Y10</b>
Valves, Stainless Intake Oversized +1 mm Oversized to 28 mm. Price (Each).						<b>IV-Y08</b>
Valves, Stainless Exhaust Standard Size Standard size 28 mm. Price (Each).						<b>EV-Y11</b>
Valves, Stainless Exhaust Oversized +1 mm Oversized to 29 mm. Price (Each).						<b>EV-Y12</b>
Valves, Titanium Intake Center Oversized +1 mm Oversized to 28 mm. Price (Each).						<b>IV-Y15</b>
Valves, Titanium Intake Oversized +1 mm Oversized to 28 mm. Price (Each).						<b>IV-Y14</b>
Valves, Titanium Intake Center Oversized +2 mm Oversized to 29 mm. Price (Each).						<b>IV-Y18</b>
Valves, Titanium Intake Oversized +2 mm Oversized to 29 mm. Price (Each).						<b>IV-Y17</b>
Valves, Titanium Exhaust Oversized +1 mm Oversized to 29 mm. Price (Each).						<b>EV-Y16</b>
Valves, Titanium Exhaust Oversized +2 mm Oversized to 30 mm. Price (Each).						<b>EV-Y18</b>
Valve Guide, Shortened .030" Intake Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010 Price (Each).						<b>VG-Y02-I</b>
Valve Guide, Shortened .030" Exhaust Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010 Price (Each).						<b>VG-Y02-E</b>

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Yamaha YZ 450 F (10-13) DOHC 4v

.415/.360	268°/266°	244°/242°	45/297	N/A	N/A	<b>81-412</b>
High lift short duration profile to increase throttle response. Works great for torque applications. Requires Performance Valve Spring Kit, Shortened Valve Guides, High Compression Piston, and Exhaust System. Check ALL clearances! Price Per Set (2).						
.395/.360	266°/274°	242°/252°	483/933	N/A	N/A	<b>81-422</b>
Performance profile to increase overall power. Requires Performance Valve Spring Kit, Shortened Valve Guides, and Exhaust System. Check ALL clearances! Price Per Set (2).						
.415/.355	276°/282°	252°/258°	493/943	N/A	N/A	<b>81-432</b>
Increases mid and upper end performance. Works well in motorcross / flat track applications. Requires Performance Valve Spring Kit, Shortened Valve Guides, High Compression Piston, and Exhaust System. Check ALL clearances! Price Per Set (2).						
.415/.363	276°/286°	252°/263°	493/216	N/A	N/A	<b>81-442</b>
Mid and top end racing profile. Requires Performance Valve Spring Kit, Shortened Valve Guides, Exhaust System, and High Compression Piston. Check ALL clearances! Price Per Set (2).						
Valve Spring Kit With Titanium Retainers Performance dual valve springs, titanium retainers and hardened bottoms. OK to .450 valve lift. Price Per Set (4).						<b>VC-Y83</b>
Valves, Stainless Intake Standard Size Standard size 36 mm. Price (Each).						<b>IV-Y25</b>
Valves, Stainless Intake Oversized +1 mm Oversized to 37 mm. Price (Each).						<b>IV-Y26</b>
Valves, Stainless Exhaust Standard Size Standard size 30 mm. Price (Each).						<b>EV-Y25</b>
Valves, Stainless Exhaust Oversized +1 mm Oversized to 31 mm. Price (Each).						<b>EV-Y26</b>
Valve Guide, Shortened .070" Intake Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010 Price (Each).						<b>VG-Y04-I</b>
Valve Guide, Shortened .100" Exhaust Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010 Price (Each).						<b>VG-Y04-E</b>

Custom grinding is available please call us directly for more details.

## Yamaha YZF 1000 R (1997) DOHC 20v

			custom	N/A	<b>81-361</b>	N/A
Call for custom grinding information. Hardwelded profiles may need the journals hard chromed. Additional charge will apply for this profile to hard chrome journals. See part CJ-000. Price Per Set (2).						
Hard Chrome Journals Intake We will hard chrome and regrind your intake cam journals. Price (Each).						<b>CJ-001</b>
Hard Chrome Journals Exhaust We will hard chrome and regrind your exhaust cam journals. Price (Each).						<b>CJ-002</b>

\*PLEASE NOTE SOME PROFILES MAY REQUIRE HARD CHROMING, ADDITIONAL COST WILL APPLY\*

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Yamaha YZF 600 (95-07) DOHC 16v

.309/.309	266°/266°	240°/240°	500	N/A	<b>80-341</b>	N/A
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Designed for street / road race application. Stock springs OK. Stock carburetors not recommended! Price Per Set (2).

.330/.330	272°/272°	248°/248°	174	N/A	<b>80-061</b>	N/A
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Strong mid and upper end performance for racing engines. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Price Per Set (2).

.352/.332	264°/264°	241°/241°	55/49	N/A	<b>80-181</b>	N/A
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High lift short duration racing profile. Requires Exhaust System, High Compression Piston, Shortened Valve Guides, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).

Cam Gear, Adjustable **CG-Y00**  
Use with all WEB CAM profiles for precise engine tuning. Please specify year and model when ordering. Price Per Set (2).

Valve Spring Kit With Titanium Retainers **VC-Y42**  
Kit includes performance dual springs, Titanium retainers, and bottom cups. OK to .410" valve lift. Price Per Set (16).

## Yamaha YZF 750 R (96-98) DOHC 20v

			custom	N/A	<b>81-321</b>	N/A
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Custom performance profiles available. Additional charge will apply for this profile to hard chrome journals. See part CJ-000. Price Per Set (2).

Hard Chrome Journals Intake **CJ-001**  
We will hard chrome and regrind your intake cam journals. Price (Each).

Hard Chrome Journals Exhaust **CJ-002**  
We will hard chrome and regrind your exhaust cam journals. Price (Each).

**\*PLEASE NOTE SOME PROFILES MAY REQUIRE HARD CHROMING, ADDITIONAL COST WILL APPLY\***

## Yamaha YZF R 6 (00-02) DOHC 16v

.320/.303	266°/250°	244°/223°	680/567	N/A	<b>81-101</b>	N/A
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Bolt in performance cam for street / touring. California Model ONLY. Price Per Set (2).

.330/.317	272°/264°	248°/236°	174/568	N/A	<b>81-171</b>	N/A
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High lift short duration profile to increase throttle response. Requires Exhaust System, and check piston to valve clearance. Price Per Set (2).

.335/.302	278°/266°	254°/240°	818/819	N/A	<b>80-621</b>	N/A
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Performance profile designed to increase mid and upper end. Requires Exhaust System, and High Compression Piston. Price Per Set (2).

.338/.317	281°/270°	257°/246°	159e/292	N/A	<b>80-531</b>	N/A
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Race profile designed to increase mid and upper end performance. Requires Exhaust System, and High Compression Piston. Price Per Set (2).

Hard Chrome Journals **CJ-000**  
We will hard chrome and regrind your cam journals. Price Per Set (2).

Cam Gear, Adjustable **CG-Y04**  
Use with all WEB CAM profiles for precise engine tuning. Fits YZF / R6 (1995-2005). Price Per Set (2).

Valve Spring Kit With Titanium Retainers **VC-Y81**  
Kit includes performance dual springs, Titanium retainers, and bottom cups. OK to .450" valve lift. Price Per Set (16).

**\*PLEASE NOTE SOME PROFILES MAY REQUIRE HARD CHROMING, ADDITIONAL COST WILL APPLY\***

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Yamaha YZF R 6 (03-05) DOHC 16v

.330/.305	282°/270°	258°/247°	174+5°(10°)/36	N/A	<b>81-191</b>	N/A
Mid and top end profile. Requires Exhaust System, and High Compression Piston. Check ALL clearances! Price Per Set (2).						
.335/.302	278°/266°	254°/240°	818/819	N/A	<b>80-981</b>	N/A
Stock lift with added duration for increase mid and upper end performance. Bolt in no modifications necessary. Price Per Set (2).						
.340/.297	260°/252°	236°/230°	298/642	<b>81-260</b>	N/A	N/A
Designed to increase torque and acceleration. Great for sprint car applications. Can be reground only if is a 49 State Model. California Models will have to be hard welded. Requires Exhaust System. Price Per Set (2).						

Hard Chrome Journals **CJ-000**  
We will hard chrome and regrind your cam journals. Price Per Set (2).

Cam Gear, Adjustable **CG-Y04**  
Use with all WEB CAM profiles for precise engine tuning. Fits YZF / R6 (1995-2005). Price Per Set (2).

**\*PLEASE NOTE SOME PROFILES MAY REQUIRE HARD CHROMING, ADDITIONAL COST WILL APPLY\***

## Yamaha YZF R 6 S (06-09) DOHC 16v

			custom	N/A	<b>81-391</b>	N/A
Call for custom grinding information. Additional charge will apply for this profile to hard chrome journals. See part CJ-000. Price Per Set (2).						
.340	260°	236°	298	<b>81-200</b>	N/A	N/A
Special intake profile to provide excellent throttle response and pick up overall power. Price (Each).						

Hard Chrome Journals **CJ-000**  
We will hard chrome and regrind your cam journals. Price Per Set (2).

Cam Gear, Adjustable **CG-Y11**  
Use with all WEB CAM profiles for precise engine tuning. Price Per Set (2).

## Honda F 12 X DOHC 16v

				N/A	<b>57-901</b>	N/A
Call for custom grinding information. Hardwelded profiles may need the journals hard chromed. Additional charge will apply for this profile to hard chrome journals. See part CJ-000. Price Per Set (2).						
						<b>CJ-000</b>
Hard Chrome Journals We will hard chrome and regrind your cam journals. Price Per Set (2).						

**\*PLEASE NOTE SOME PROFILES MAY REQUIRE HARD CHROMING, ADDITIONAL COST WILL APPLY\***

## Honda F 12 X (2004) Turbo DOHC 16v

				N/A	<b>57-911</b>	N/A
Call for custom grinding information. Hardwelded profiles may need the journals hard chromed. Additional charge will apply for this profile to hard chrome journals. See part CJ-000. Price Per Set (2).						
						<b>CJ-000</b>
Hard Chrome Journals We will hard chrome and regrind your cam journals. Price Per Set (2).						

**\*PLEASE NOTE SOME PROFILES MAY REQUIRE HARD CHROMING, ADDITIONAL COST WILL APPLY\***

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Sea Doo Watercraft (03-12) SOHC 12v

Valve Springs Only (107#)						VS-001
Performance dual valve springs. Stock retainers and bottoms cups OK. Price Per Set (12).						
Valve Springs Only (90#)						VS-000
Performance dual valve springs. Stock retainers and bottom cups OK. Price Per Set (12).						
Valves, Stainless Intake Standard Size						IV-000
Standard size 38 mm, single keeper groove. Must use our special keepers, see part number VK-000. Price (Each).						
Valves, Inconel Exhaust Standard Size						EV-000
Standard size 31 mm, single keeper groove. Must use our special keepers, see part number VK-000. Price (Each).						
Valve Keepers (24 pieces)						VK-000
Special valve keepers must be used with our single groove valve. Price Per Set (12).						

NEW Billet cams now available. Call us directly for further details on custom grinding.

## Yamaha FX , GX 1800 (08-12) DOHC 16v

.373/.360	251°/248°	229°/226°	440/293	N/A	N/A	81-622
Performance profile designed to increase overall performance. Requires Adjustable Cam Gears, Shim Under Followers, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.386/.390	252°/250°	228°/224°	1049/1170	N/A	N/A	81-632
Performance profile designed to increase mid and upper end. Requires Adjustable Cam Gears, Shim Under Followers, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.390/.390	250°/250°	224°/224°	1170	N/A	N/A	81-592
Performance profile designed to increase mid and upper end. Requires Adjustable Cam Gears, Shim Under Followers, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.368/.368	260°/260°	234°/234°	288	N/A	N/A	81-402
New steel billet race profile camshafts designed for extreme acceleration with added mid and upper end performance. Requires Performance Valve Spring Kit, Shim Under Followers, and Adjustable Cam Gears. Check ALL clearances! Price Per Set (2).						
.385/.385	259°/259°	234°/234°	1096	N/A	N/A	81-572
New steel billet race profile camshafts designed for extreme acceleration with added mid and upper end performance. Requires Adjustable Cam Gears, Shim Under Followers, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.400/.368	256°/260°	235°/234°	1032/288	N/A	N/A	81-582
New steel billet race profile camshafts designed for extreme acceleration with added mid and upper end performance. Requires Performance Valve Spring Kit, Replacement DLC Coated Shim Under Followers, see part #CF-Y02, and Adjustable Cam Gears. Check ALL clearances! Price Per Set (2).						
.400/.400	256°/256°	235°/235°	1032	N/A	N/A	81-452
New steel billet race profile camshafts designed for extreme acceleration with added mid and upper end performance. Works very well in supercharged applications. Requires Adjustable Cam Gears, Shim Under Followers, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.400/.406	256°/256°	235°/230°	1032/28	N/A	N/A	81-612
New steel billet race profile camshafts designed for extreme acceleration with added mid and upper end performance. Requires Adjustable Cam Gears, Shim Under Followers, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.406/.406	256°/256°	230°/230°	28	N/A	N/A	81-602
New steel billet race profile camshafts designed for extreme acceleration with added mid and upper end performance. Requires Performance Valve Spring Kit, Replacement DLC Coated Shim Under Followers, see part #CF-Y02, and Adjustable Cam Gears. Check ALL clearances! Price Per Set (2).						

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
Cam Gear, Adjustable Use with all WEB CAM profiles for precise engine tuning. Price Per Set (2).						CG-Y07
Buckets, Shim Under DLC Coated Standard Size Replacement buckets 30 mm diameter x 23.5 mm high x 3.3 mm thick. Highly recommended when using more spring pressure and high performance camshafts. DLC treated for longer wear and extreme racing conditions. Price Per Set (16).						CF-Y03
Buckets, Shim Under Not Coated Replacement buckets 30 mm diameter x 23.5 mm high x 3.3 mm thick. Highly recommended when using more spring pressure and high performance camshafts. Price Per Set (16).						CF-Y04
Chain Tensioner, Manual CNC machined from billet alloy to exact tolerances for perfect fit.						CT-Y02
Valve Spring Kit With Titanium Retainers Performance dual valve springs, titanium retainers and hardened bottoms. OK to 25-30 lbs boost. Price Per Set (16).						VC-Y82

## Yamaha FZR 1800 (09-12) DOHC 16v

.373/.360	251°/248°	229°/226°	440/293	N/A	N/A	81-622
Performance profile designed to increase overall performance. Requires Adjustable Cam Gears, Shim Under Followers, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.386/.390	252°/250°	228°/224°	1049/1170	N/A	N/A	81-632
Performance profile designed to increase mid and upper end. Requires Adjustable Cam Gears, Shim Under Followers, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.390/.390	250°/250°	224°/224°	1170	N/A	N/A	81-592
Performance profile designed to increase mid and upper end. Requires Adjustable Cam Gears, Shim Under Followers, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.368/.368	260°/260°	234°/234°	288	N/A	N/A	81-402
New steel billet race profile camshafts designed for extreme acceleration with added mid and upper end performance. Requires Performance Valve Spring Kit, Shim Under Followers, and Adjustable Cam Gears. Check ALL clearances! Price Per Set (2).						
.385/.385	259°/259°	234°/234°	1096	N/A	N/A	81-572
New steel billet race profile camshafts designed for extreme acceleration with added mid and upper end performance. Requires Adjustable Cam Gears, Shim Under Followers, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.400/.368	256°/260°	235°/234°	1032/288	N/A	N/A	81-582
New steel billet race profile camshafts designed for extreme acceleration with added mid and upper end performance. Requires Performance Valve Spring Kit, Replacement DLC Coated Shim Under Followers, see part #CF-Y02, and Adjustable Cam Gears. Check ALL clearances! Price Per Set (2).						
.400/.400	256°/256°	235°/235°	1032	N/A	N/A	81-452
New steel billet race profile camshafts designed for extreme acceleration with added mid and upper end performance. Works very well in supercharged applications. Requires Adjustable Cam Gears, Shim Under Followers, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.400/.406	256°/256°	235°/230°	1032/28	N/A	N/A	81-612
New steel billet race profile camshafts designed for extreme acceleration with added mid and upper end performance. Requires Adjustable Cam Gears, Shim Under Followers, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.406/.406	256°/256°	230°/230°	28	N/A	N/A	81-602
New steel billet race profile camshafts designed for extreme acceleration with added mid and upper end performance. Requires Performance Valve Spring Kit, Replacement DLC Coated Shim Under Followers, see part #CF-Y02, and Adjustable Cam Gears. Check ALL clearances! Price Per Set (2).						
Cam Gear, Adjustable Use with all WEB CAM profiles for precise engine tuning. Price Per Set (2).						CG-Y07

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
Buckets, Shim Under DLC Coated Standard Size Replacement buckets 30 mm diameter x 23.5 mm high x 3.3 mm thick. Highly recommended when using more spring pressure and high performance camshafts. DLC treated for longer wear and extreme racing conditions. Price Per Set (16).						CF-Y03
Buckets, Shim Under Not Coated Replacement buckets 30 mm diameter x 23.5 mm high x 3.3 mm thick. Highly recommended when using more spring pressure and high performance camshafts. Price Per Set (16).						CF-Y04
Chain Tensioner, Manual CNC machined from billet alloy to exact tolerances for perfect fit.						CT-Y02
Valve Spring Kit With Titanium Retainers Performance dual valve springs, titanium retainers and hardened bottoms. OK to 25-30 lbs boost. Price Per Set (16).						VC-Y82

**\*\*Note: New Billet Camshafts are modified for better oiling to cam lobes and tappets\*\***

### Arctic Cat Prowler , XT, XTX 700 (06-13) SOHC 4v

.365/.365			462	N/A	58-001	N/A
Performance profile designed to increase overall performance. Must use higher compression piston and / or larger displacement engine.						
.375/.375			417	N/A	58-011	N/A
Torque profile designed to bolt into a stock engine. Excellent throttle response.						
Cam Core	Please specify year and model when ordering.					CC-A00
Rocker Arm Hardwelded	We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Note: 2 rockers per engine. Price (Each).					HR-A00

### Arctic Cat Prowler XT 650 (06-09) SOHC 4v

.365/.365			462	N/A	58-001	N/A
Performance profile designed to increase overall performance. Must use higher compression piston and / or larger displacement engine.						
.375/.375			417	N/A	58-011	N/A
Torque profile designed to bolt into a stock engine. Excellent throttle response.						
Cam Core	Please specify year and model when ordering.					CC-A00
Rocker Arm Hardwelded	We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Note: 2 rockers per engine. Price (Each).					HR-A00

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Arctic Cat Prowler XTZ 1000 (09-13) V Twin SOHC 8v

.357/.352	247°/260°	225°/236°	1146/621	N/A	<b>58-061</b>	N/A
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Performance profile designed to increase overall performance. Requires Exhaust System, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).

.375/.375	246°/260°	225°/232°	937/400	N/A	<b>58-071</b>	N/A
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Profile designed to increase mid and upper end performance. Requires Performance Valve Spring Kit, High Compression Piston, and Exhaust System. Check ALL clearances! Price Per Set (2).

Cam Core **CC-A01**  
Price Per Set (2).

Rocker Arm Hardwelded **HR-A01**  
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Note: 4 rockers per engine. Price (Each).

Valve Springs Only **VS-A05**  
Kit includes performance single valve springs. Use the stock retainers / bottoms Handles up to .410" Valve Lift. Check ALL clearances! Price Per Set (8).

Valve Spring Kit With Titanium Retainers **VC-A05**  
Performance dual springs, titanium retainers, and HT Lower Collars. OK to .450" valve lift. Price Per Set (2).

## Arctic Cat Wildcat 1000 (12-13) V Twin SOHC 8v

.357/.352	247°/260°	225°/236°	1146/621	N/A	<b>58-061</b>	N/A
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Performance profile designed to increase overall performance. Requires Exhaust System, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).

.375/.375	246°/260°	225°/232°	937/400	N/A	<b>58-071</b>	N/A
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Profile designed to increase mid and upper end performance. Requires Performance Valve Spring Kit, High Compression Piston, and Exhaust System. Check ALL clearances! Price Per Set (2).

Cam Core **CC-A01**  
Price Per Set (2).

Rocker Arm Hardwelded **HR-A01**  
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Note: 4 rockers per engine. Price (Each).

Valve Springs Only **VS-A05**  
Kit includes performance single valve springs. Use the stock retainers / bottoms Handles up to .410" Valve Lift. Check ALL clearances! Price Per Set (8).

Valve Spring Kit With Titanium Retainers **VC-A05**  
Performance dual springs, titanium retainers, and HT Lower Collars. OK to .450" valve lift. Price Per Set (2).

## Honda Big Red (09-10) OHV

1139/1139+3°(6°)	N/A	<b>57-891</b>	N/A
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Performance profile to add overall power throughout the RPM range.

Cam Core **CC-H48**  
Please specify year and model when ordering.

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Kawasaki Teryx 750 (08-11) SOHC 8v

.333/.333		205°/205°	150i	N/A	60-601	N/A
Bolt in profile increases throttle response and overall performance throughout RPM range. Price Per Set (2).						
.365/.365		235°/235°	87mc	N/A	61-341	N/A
Designed to increase overall power. Requires Exhaust System, Extended Rockers, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.394/.394		227°/230°	504	N/A	60-971	N/A
High lift, short duration for extreme acceleration. Requires Exhaust System, Extended Rockers, and Valve Spring Kit and Piston Kit recommended if using a high rev box. Price Per Set (2).						
.400/.400		234°/234°	89mc	N/A	61-351	N/A
The famous trail profile is back!! Designed to increase mid and upper end. Requires Exhaust System, Performance Valve Spring Kit, Extended Rockers, and High Compression Piston. Check ALL clearances! Price Per Set (2).						
.394/.394		251°/254°		N/A	61-711	N/A
STAGE 2 Exclusive performance profile designed for Four Stroke Tech. If you wish to order please call them directly @814/842-6159 between the hours of 3:00 pm - 6:00 pm EST, or email 4stroke@mbarqmail.com. Please note: These cams are checked at .040. Price Per Set (2).						
.412/.412		268°/268°		N/A	61-721	N/A
STAGE 3 Exclusive performance profile designed for Four Stroke Tech. If you wish to order please call them directly @814/842-6159 between the hours of 3:00 pm - 6:00 pm EST, or email 4stroke@mbarqmail.com. Please note: These cams are checked at .040. Price Per Set (2).						
Cam Core						CC-K11
Please specify year and model when ordering. Price Per Set (2).						
Rocker Arm, Extended Hardwelded						ER-K02
We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).						
Rocker Arm, Core						RC-K02
Please specify year and model when ordering. Price (Each).						
Valve Spring Kit With CrMo Retainers						VC-K17
Kit includes performance dual springs and Chrome Moly retainers. OK up to 0.450" valve lift. Price Per Set (8).						
Valve Spring Kit With Titanium Retainers						VC-K22
Kit includes performance dual springs, titanium retainers and heat treated steel base washers. Must shorten valve guides with lifts over 0.430". Then will work up to 0.500" lift. Price Per Set (8).						
Valves, Stainless Intake Standard Size						IV-K03
Standard size 30 mm. Price (Each).						
Valves, Stainless Intake Oversized +1 mm						IV-K04
Oversized to 31 mm. Price (Each).						
Valves, Stainless Exhaust Standard Size						EV-K03
Standard size 26 mm. Price (Each).						
Valves, Stainless Exhaust Oversized +1 mm						EV-K04
Oversized to 27 mm. Price (Each).						
Valve Guide, Shortened .070" Standard Size						VG-K01
Made from special C630 Bronze material for longer wear. Standard size. Adds .070 additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Fits intake and exhaust. Price (Each).						

Custom grinding is available please call us directly for more details.

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
.333/.333		205°/205°	150i	N/A	<b>60-601</b>	N/A
Bolt in profile increases throttle response and overall performance throughout RPM range. Price Per Set (2).						
.365/.365		235°/235°	87mc	N/A	<b>61-341</b>	N/A
Designed to increase overall power. Requires Exhaust System, Extended Rockers, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.394/.394		227°/230°	504	N/A	<b>60-971</b>	N/A
High lift, short duration for extreme acceleration. Requires Exhaust System, Extended Rockers, and Valve Spring Kit and Piston Kit recommended if using a high rev box. Price Per Set (2).						
.400/.400		234°/234°	89mc	N/A	<b>61-351</b>	N/A
The famous trail profile is back!! Designed to increase mid and upper end. Requires Exhaust System, Performance Valve Spring Kit, Extended Rockers, and High Compression Piston. Check ALL clearances! Price Per Set (2).						
.394/.394		251°/254°		N/A	<b>61-711</b>	N/A
STAGE 2 Exclusive performance profile designed for Four Stroke Tech. If you wish to order please call them directly @814/842-6159 between the hours of 3:00 pm - 6:00 pm EST, or email 4stroke@mbarqmail.com. Please note: These cams are checked at .040. Price Per Set (2).						
.412/.412		268°/268°		N/A	<b>61-721</b>	N/A
STAGE 3 Exclusive performance profile designed for Four Stroke Tech. If you wish to order please call them directly @814/842-6159 between the hours of 3:00 pm - 6:00 pm EST, or email 4stroke@mbarqmail.com. Please note: These cams are checked at .040. Price Per Set (2).						
Cam Core	Please specify year and model when ordering. Price Per Set (2).					<b>CC-K11</b>
Rocker Arm, Extended Hardwelded	We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).					<b>ER-K02</b>
Rocker Arm, Core	Please specify year and model when ordering. Price (Each).					<b>RC-K02</b>
Valve Spring Kit With CrMo Retainers	Kit includes performance dual springs and Chrome Moly retainers. OK up to 0.450" valve lift. Price Per Set (8).					<b>VC-K17</b>
Valve Spring Kit With Titanium Retainers	Kit includes performance dual springs, titanium retainers and heat treated steel base washers. Must shorten valve guides with lifts over 0.430". Then will work up to 0.500" lift. Price Per Set (8).					<b>VC-K22</b>
Valves, Stainless Intake Standard Size	Standard size 30 mm. Price (Each).					<b>IV-K03</b>
Valves, Stainless Intake Oversized +1 mm	Oversized to 31 mm. Price (Each).					<b>IV-K04</b>
Valves, Stainless Exhaust Standard Size	Standard size 26 mm. Price (Each).					<b>EV-K03</b>
Valves, Stainless Exhaust Oversized +1 mm	Oversized to 27 mm. Price (Each).					<b>EV-K04</b>
Valve Guide, Shortened .070" Standard Size	Made from special C630 Bronze material for longer wear. Standard size. Adds .070 additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Fits intake and exhaust. Price (Each).					<b>VG-K01</b>



VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Polaris Ranger 400 (2011) SOHC 4v

.335/.335    256°/256°    230°/230°    653    N/A    56-001    N/A  
 Performance profile designed to increase overall performance. Stock springs OK. Requires High Compression Piston. Price (Each).

Cam Core CC-P00  
 Please specify year and model when ordering. Price (Each).

Rocker Arm Hardwelded Intake HR-P03  
 We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).

Rocker Arm Hardwelded Exhaust HR-P02  
 We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).

Rocker Arm, Core Intake RC-P03  
 Please specify year and model when ordering. Price (Each).

Rocker Arm, Core Exhaust RC-P02  
 Please specify year and model when ordering. Price (Each).

Note: This cam profile does not come with a compression release!

## Polaris Ranger 500 (04-13) SOHC 4v

.335/.335    256°/256°    230°/230°    653    N/A    56-001    N/A  
 Performance profile designed to increase overall performance. Stock springs OK. Requires High Compression Piston. Price (Each).

Cam Core CC-P00  
 Please specify year and model when ordering. Price (Each).

Rocker Arm Hardwelded Intake HR-P03  
 We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).

Rocker Arm Hardwelded Exhaust HR-P02  
 We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).

Rocker Arm, Core Intake RC-P03  
 Please specify year and model when ordering. Price (Each).

Rocker Arm, Core Exhaust RC-P02  
 Please specify year and model when ordering. Price (Each).

Note: This cam profile does not come with a compression release!

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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### **Polaris Ranger RZR 800 EFI (08-10) Pushrod 4v**

.435/.435	272°/272°	236°/236°	964	N/A	56-041	56-042
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Performance profile designed to increase overall performance. Check ALL clearances!

Cam Core  
Please specify year and model when ordering. New cams are sold outright. No core required. Price (Each). **CC-P07**

Lifters New Hydraulic  
Price Per Set (4). **56-203**

It is highly recommended to replace the OEM seats / lifters. Lifter part number 56-203. An OD is required to custom order iron steel seats.

### **Polaris Ranger RZR 800 S EFI (11-12) Pushrod 4v**

.435/.435	282°/282°	252°/252°	994	N/A	56-371	N/A
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Performance profile to increase overall power.

Cam Core  
Please specify year and model when ordering. Price (Each). **CC-P05**

Lifters New Hydraulic  
Price Per Set (4). **56-203**

It is highly recommended to replace the OEM seats / lifters. Lifter part number 56-203. An OD is required to custom order iron steel seats.

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Polaris Ranger XP 900 UTILITY (2013) DOHC 8v

.385/.360	249°/242°	224°/215°	516/1171	N/A	56-301	N/A
Performance profile designed to increase overall power. Requires Exhaust System. Check ALL clearances! Price Per Set (2).						
.387/.360	256°/248°	228°/226°	1062/293	N/A	56-311	N/A
Performance profile to increase mid and upper end power. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
Cam Core	Please specify year and model when ordering. Price Per Set (2).					CC-P09
Buckets, Shim Under Standard Size	Includes 8 replacement followers. Recommended with all profiles. Price Per Set (8).					CF-P02
Valve Spring Kit With CrMo Retainers & Steel Base Washers, (Beehive)	Kit includes performance beehive valve springs, chrome moly retainers, bottom cups, and shims. OK to .430" Valve Lift, 81# seat pressure. Can be used for turbo applications. Price Per Set (8).					VC-P15
Valve Spring Kit With Titanium Retainers & Steel Base Washers, (Beehive)	Kit includes performance beehive valve springs, titanium retainers, bottom cups, and shims. OK to .430" Valve Lift, 81# seat pressure. Can be used for turbo applications. Price Per Set (8).					VC-P13
Valve Spring Kit With Titanium Retainers & Steel Base Washers (PAC)	Kit includes performance dual valve springs, titanium retainers, and bottom cups. OK to .485" Valve Lift, 70# seat pressure. Price Per Set (8).					VC-P16
Valves, Stainless Intake Standard Size	Standard size 37.72 mm. Price (Each).					IV-P03
Valves, Stainless Exhaust Standard Size	Standard size 32.44 mm. Price (Each).					EV-P03
Valve Guide, Shortened .020" (IN), .000 (EX) Standard Size	Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Fits intake and exhaust. Price (Each).					VG-P02

Custom grinding is available please call us directly for details.  
New after market buckets should be used with all profiles, see part CF-P02.

## Polaris Ranger, RZR XP 900 (11-13) DOHC 8v

.390/.360	250°/242°	224°/215°	1170/1171	N/A	56-241	56-242
Performance profile designed to increase overall power. New followers recommended for this application, see part CF-P02. Requires Exhaust System, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.385/.385	249°/249°	224°/224°	516	N/A	56-211	56-212
Performance profile for turbo / and non turbo applications. Reduced base circles applied to this profile, shimming is required! New followers recommended for this application, see part CF-P02. Requires Performance Valve Spring Kit, High Compression Piston, and Exhaust System. Check ALL clearances! Price Per Set (2).						
.385/.360	259°/248°	234°/226°	1096/293	N/A	56-251	56-252
Performance profile designed to increase overall power. Reduced base circles applied to this profile, shimming is required! New followers recommended for this application, see part CF-P02. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.415/.360	268°/266°	244°/242°	45/297	N/A	56-231	N/A
Increases mid and upper end performance. Reduced base circles applied to this profile, shimming is required! New followers recommended for this application, see part CF-P02. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						

<b>VALVE LIFT</b>	<b>DURATION</b>	<b>DURATION @.050</b>	<b>GRIND NUMBER</b>	<b>REGRIND</b>	<b>HARD WELD</b>	<b>NEW CAM</b>
.435/.415	278°/268°	254°/244°	796/45	N/A	<b>56-261</b>	N/A
Race profile designed for extreme acceleration with added mid and upper end performance. Reduced base circles applied to this profile, Longer valves / additional shimming is required! New followers recommended for this application, see part CF-P02. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
Cam Core	Please specify year and model when ordering. Price Per Set (2).					<b>CC-P06</b>
Buckets, Shim Under Standard Size	Includes 8 replacement followers. Recommended with all profiles. Price Per Set (8).					<b>CF-P02</b>
Valve Spring Kit With CrMo Retainers & Steel Base Washers, (Beehive)	Kit includes performance beehive valve springs, chrome moly retainers, bottom cups, and shims. OK to .430" Valve Lift, 81# seat pressure. Can be used for turbo applications. Price Per Set (8).					<b>VC-P15</b>
Valve Spring Kit With Titanium Retainers & Steel Base Washers, (Beehive)	Kit includes performance beehive valve springs, titanium retainers, bottom cups, and shims. OK to .430" Valve Lift, 81# seat pressure. Can be used for turbo applications. Price Per Set (8).					<b>VC-P13</b>
Valve Spring Kit With Titanium Retainers & Steel Base Washers (PAC)	Kit includes performance dual valve springs , titanium retainers, and bottom cups. OK to .485" Valve Lift, 70# seat pressure. Price Per Set (8).					<b>VC-P16</b>
Valves, Stainless Intake Standard Size	Standard size 37.72 mm. Price (Each).					<b>IV-P03</b>
Valves, Stainless Exhaust Standard Size	Standard size 32.44 mm. Price (Each).					<b>EV-P03</b>
Valve Guide, Shortened .020" (IN), .000 (EX) Standard Size	Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Fits intake and exhaust. Price (Each).					<b>VG-P02</b>

Custom grinding is available please call us directly for details.  
New after market buckets should be used with all profiles, see part CF-P02.

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Polaris RZR 570 (12-13) DOHC 4v

.400/.386	256°/252°	235°/228°	1032/1049	N/A	<b>56-331</b>	N/A
Performance profile for stock engines. Special base circles applied to this profile, re-shimming is required. Price Per Set (2).						
.400/.382	268°/257°	242°/234°	1043/1274	N/A	<b>56-321</b>	N/A
Performance profile designed to increase mid and top end. Special base circles applied to this profile, re-shimming is required. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						
.415/.381	268°/266°	244°/240°	45/613	N/A	<b>56-341</b>	N/A
Race profile. Special base circles applied to this profile, re-shimming is required. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances! Price Per Set (2).						

Cam Core **CC-P10**  
Please specify year and model when ordering. Price Per Set (2).

Buckets, Shim Under **CF-P04**  
Includes 4 replacement followers. Recommended with all profiles. Price Per Set (4).

Valve Spring Kit With CrMo Retainers & Steel Base Washers, (Beehive) **VC-P19**  
Kit includes performance beehive valve springs, titanium retainers, bottom cups, and shims. OK to .430" Valve Lift, 81# seat pressure. Can be used for turbo applications. Price Per Set (4).

Valve Spring Kit With Titanium Retainers & Steel Base Washers, (Beehive) **VC-P18**  
Kit includes performance beehive valve springs, titanium retainers, bottom cups, and shims. OK to .430" Valve Lift, 81# seat pressure. Can be used for turbo applications. Price Per Set (4).

Custom grinding is available please call us directly for details.  
New after market buckets should be used with all profiles, see part CF-P04.

## Polaris RZR 800 S EFI (09-10) Pushrod 4v

.435/.435	282°/282°	252°/252°	994	N/A	<b>56-271</b>	<b>56-272</b>
Bolt in profile designed to increase overall power.						

Cam Core **CC-P08**  
Please specify year and model when ordering. New cams are sold outright. No core required. Price (Each).

Lifters New Hydraulic **56-203**  
Price Per Set (4).

It is highly recommended to replace the OEM seats / lifters. Lifter part number 56-203. An OD is required to custom order iron steel seats.

## Yamaha Rhino 450 (06-09) SOHC 2v

.390/.390	274°/274°	244°/244°	88mc	N/A	<b>80-391</b>	N/A
Performance profile designed to increase overall performance. Includes new OEM bolt, washer and pin. Requires Performance Valve Spring Kit.						

.413/.413	250°/250°	232°/232°	956	N/A	<b>80-751</b>	N/A
Improves torque and acceleration. Cam includes new OEM bolt, washer and pin. Requires Performance Valve Spring Kit.						

Cam Core **CC-Y06**  
Please specify year and model when ordering. Price (Each).

Cam Gear OEM **CG-Y06**  
Replacement stock cam gear.

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
Valve Spring Kit With Aluminum Retainers Kit includes performance dual springs, Aluminum retainers, bottom cups, keepers, and shims. Price Per Set (2).						VC-Y25
Valve Spring Kit With Titanium Retainers Kit includes performance dual springs, Titanium retainers, bottoms, and steel keepers. OK to .520" valve lift. Check ALL clearances! Price Per Set (2).						VC-Y30
<p><b>NOTE: All our profiles come with a new OEM bolt, washer and dowel pin. Do not reuse your old bolt, washer, or dowel pin! Torque your new bolt to 43 Ft. Lbs.</b></p>						
<b>Yamaha Rhino 660 (04-07) SOHC 5v</b>						
.340/.355 Bolt in profile increases overall performance throughout RPM range. Stock springs OK. Includes compression release.	260°/265°	232°/235°	461/496	N/A	80-411	N/A
.340/.355 Increase mid and upper end. Requires High Compression Piston, Exhaust System, and Performance Valve Spring Kit.	267°/273°	238°/242°	985/986	N/A	80-851	N/A
.383/.383 Performance profile to increase torque and acceleration. Requires Performance Valve Spring Kit, Shortened Valve Guides or use VS-Y03, High Compression Piston, and Carburetors. Check ALL clearances!	244°/248°	218°/230°	358/40mc	N/A	80-861	N/A
Cam Core Please specify year and model when ordering. Price (Each).						CC-Y07
Rocker Arm Hardwelded We will hardweld and precision grind your worn out / new rockers for a longer wearing surface. Recommended with ALL profiles. Price (Each).						HR-Y00
Rocker Arm, Core Please specify year and model when ordering. Price (Each).						RC-Y00
Valve Spring Kit With Titanium Retainers Kit includes performance dual springs, Titanium retainers, and bottoms. OK up to 0.450" valve lift. Check ALL clearances! Price Per Set (5).						VC-Y80
Valves, Stainless Intake Standard Size Standard size 30 mm. Price (Each).						IV-Y02
Valves, Stainless Exhaust Standard Size Standard size 32 mm. Price (Each).						EV-Y03
Valves, Stainless Intake Oversized +1 mm Oversized to 31 mm. Price (Each).						OV-Y02
Valves, Stainless Intake Oversized +2 mm Oversized to 32 mm. Price (Each).						IV-Y11
Valves, Stainless Exhaust Oversized +1 mm Oversized to 33 mm. Price (Each).						OV-Y03
Valves, Stainless Exhaust Oversized +2 mm Oversized to 34 mm. Price (Each).						EV-Y04
Valve Guide, Shortened .060" Intake Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010 Price (Each).						VG-Y00-I

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
Valve Guide, Shortened .155" Exhaust Standard Size Made from special Ampco 45 material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010 Price (Each).						VG-Y00-E
Valve Seals Intake Valve guides seals can be used to achieve additional retainer to guides seal clearance without replacing the stock valve guides. For use on the intakes only. Price (Each).						VS-Y03
<b>Yamaha Rhino 700 (08-13) FI SOHC 4v</b>						
.353/.376	229°/235°	207°/210°	510/541	N/A	81-021	81-022
Increases overall performance throughout RPM range.						
.366/.388	237°/236°	215°/217°	452/158e	N/A	81-031	81-032
Performance profile designed to increase mid and upper end. Requires High Compression Piston, and Performance Valve Spring Kit.						
.383/.362	263°/265°	239°/241°	5/736	N/A	80-871	80-872
Increases overall performance throughout RPM range. Stock springs OK. May have to clearance rocker arms for cam rotation.						
.410/.386	261°/261°	239°/235°	809/496	N/A	80-881	80-882
Improves mid and upper end performance. Must clearance rocker arms for cam rotation. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit.						
.445/.397	275°/275°	254°/252°	40c/942	N/A	80-931	80-932
Improves mid and upper end performance. Stock guides OK. Must clearance rocker arms for cam rotation. Requires Exhaust System, High Compression Piston, and Performance Valve Spring Kit. Check ALL clearances!						
.500/.460	290°/290°	266°/265°	290	N/A	80-991	80-992
Race profile to increase mid and upper end performance. Must use special compression release pin included with cam. A WEB CAM winner! Requires Exhaust System, High Compression Piston, Performance Valve Spring Kit, and Clearance Rocker Arms for cam rotation. Check ALL clearances!						
Cam Core Please specify year and model when ordering. New cam are sold outright. No core required. Price (Each).						CC-Y21
Rocker Arm Modified OEM Intake Modified OEM rocker to achieve additional lobe clearance. Price (Each).						MR-000
Rocker Arm Modified OEM Exhaust Modified OEM rocker to achieve additional lobe clearance. Price (Each).						MR-001
Rocker Arm, Core Intake Please specify year and model when ordering. Price (Each).						RC-Y02
Rocker Arm, Core Exhaust Please specify year and model when ordering. Price (Each).						RC-Y03
Valve Spring Kit With Titanium Retainers Kit includes performance single ovate beehive springs, Titanium retainers, and bottoms. OK to 0.475" valve lift. OK for 15 lbs boost. Not recommended for oversized valves. Price Per Set (4).						VC-Y23
Valve Spring Kit With Titanium Retainers Kit includes performance dual springs, Titanium retainers, and bottoms. OK to .480 valve lift. Price Per Set (4).						VC-Y03
Valves, Stainless Intake Standard Size Standard size 38 mm. Price (Each).						IV-Y16
Valves, Stainless Intake Oversized +1 mm Oversized to 39 mm. Price (Each).						OV-Y16
Valves, Stainless Exhaust Standard Size Standard size 32 mm. Price (Each).						EV-Y17

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
Valves, Stainless Exhaust Oversized +1 mm Oversized to 33 mm. Price (Each).						OV-Y17
Valve Guide, Stock Height Standard Size Made from special C630 Bronze material for longer wear. Standard size. Adds additional retainer to guide seal clearance. Custom sizes available +.001, +.002, +.004, +.010. Fits intake and exhaust. Price (Each).						VG-Y03

Please note: Stock rocker arms must be modified for all performance profiles!

## Arctic Cat TZ 1 Turbo, Z 1 (not 2010) (09-12) DOHC 8v

.360/.368	247°/260°	226°/234°	1033/288	N/A	58-051	N/A
Performance profile to increase overall power. Check ALL clearances! Price Per Set (2).						

## Yamaha Apex (06-07) DOHC 20v

Call for custom grinding information. Hardwelded profiles may need the journals hard chromed. Additional charge will apply for this profile to hard chrome journals. See part CJ-000. Price Per Set (2).				N/A	81-371	N/A
Hard Chrome Journals Intake We will hard chrome and regrind your intake cam journals. Price (Each).						CJ-001
Hard Chrome Journals Exhaust We will hard chrome and regrind your exhaust cam journals. Price (Each).						CJ-002

\*PLEASE NOTE SOME PROFILES MAY REQUIRE HARD CHROMING, ADDITIONAL COST WILL APPLY\*

## Yamaha Rage (05-07) DOHC 12v

Call for custom grinding information. Hardwelded profiles may need the journals hard chromed. Additional charge will apply for this profile to hard chrome journals. See part CJ-000. Price Per Set (2).				N/A	81-341	N/A
Hard Chrome Journals We will hard chrome and regrind your cam journals. Price Per Set (2).						CJ-000

## Yamaha RX 1 (03-05) DOHC 20v

Call for custom grinding information. Hardwelded profiles may need the journals hard chromed. Price Per Set (2).				N/A	81-351	N/A
Hard Chrome Journals Intake We will hard chrome and regrind your intake cam journals. Price (Each).						CJ-001
Hard Chrome Journals Exhaust We will hard chrome and regrind your exhaust cam journals. Price (Each).						CJ-002

\*PLEASE NOTE SOME PROFILES MAY REQUIRE HARD CHROMING, ADDITIONAL COST WILL APPLY\*

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Yamaha RX 1 (06-10) DOHC 20v

				N/A	81-371	N/A
Call for custom grinding information. Hardwelded profiles may need the journals hard chromed. Additional charge will apply for this profile to hard chrome journals. See part CJ-000. Price Per Set (2).						
Hard Chrome Journals Intake						CJ-001
We will hard chrome and regrind your intake cam journals. Price (Each).						
Hard Chrome Journals Exhaust						CJ-002
We will hard chrome and regrind your exhaust cam journals. Price (Each).						

\*PLEASE NOTE SOME PROFILES MAY REQUIRE HARD CHROMING, ADDITIONAL COST WILL APPLY\*

## Yamaha STX / FX Netro (07-13) DOHC 12v

				N/A	81-331	N/A
Call for custom grinding information. Hardwelded profiles may need the journals hard chromed. Additional charge will apply for this profile to hard chrome journals. See part CJ-000. Price Per Set (2).						
Hard Chrome Journals						CJ-000
We will hard chrome and regrind your cam journals. Price Per Set (2).						

\*PLEASE NOTE SOME PROFILES MAY REQUIRE HARD CHROMING, ADDITIONAL COST WILL APPLY\*

## Yamaha Vector (05-09) DOHC 12v

				N/A	81-341	N/A
Call for custom grinding information. Hardwelded profiles may need the journals hard chromed. Additional charge will apply for this profile to hard chrome journals. See part CJ-000. Price Per Set (2).						
Hard Chrome Journals						CJ-000
We will hard chrome and regrind your cam journals. Price Per Set (2).						

\*PLEASE NOTE SOME PROFILES MAY REQUIRE HARD CHROMING, ADDITIONAL COST WILL APPLY\*

## Web Cam Cam Followers

Buckets, Shim Under						CF-C01
A: 20 mm - B: 0.740" - C: 0.558" - D: 0.065" - E: 0.200" - F: 0.111" Price (Each).						
Buckets, Shim Under						CF-C02
A: 22.50 mm - B: 0.835" - C: 0.669" - D: 0.072" - E: 0.237" - F: 0.091" Price (Each).						
Buckets, Shim Under PVD Coated						CF-C24
A: 24 mm - B: 0.895" - C: 0.669" - D: 0.079" - E: 0.300" - F: 0.106" Price (Each).						
Buckets, Shim Under						CF-C10
A: 24 mm - B: 0.895" - C: 0.669" - D: 0.079" - E: 0.300" - F: 0.106" Price (Each).						
Buckets, Shim Under						CF-C03
A: 26 mm - B: 0.970" - C: 0.790" - D: 0.080" - E: 0.236" - F: 0.115" Price (Each).						
Buckets, Shim Under						CF-C11
A: 26.50 mm - B: 0.992" - C: 0.748" - D: 0.079" - E: 0.300" - F: 0.106" Price (Each).						
Buckets, Shim Under						CF-C08
A: 28 mm - B: 1.036" - C: 0.765" - D: 0.080" - E: 0.300" - F: 0.146" Price (Each).						

<b>VALVE LIFT</b>	<b>DURATION</b>	<b>DURATION @.050</b>	<b>GRIND NUMBER</b>	<b>REGRIND</b>	<b>HARD WELD</b>	<b>NEW CAM</b>
Buckets, Shim Under A: 28 mm - B: 1.025" - C: 0.800" - D: 0.078" - E: 0.310" - F: 0.095" Price (Each).						CF-C07
Buckets, Shim Under A: 28 mm - B: 1.038" - C: 0.765" - D: 0.075" - E: 0.300" - F: 0.098" Price (Each).						CF-C06
Buckets, Shim Under A: 28 mm - B: 1.022" - C: 0.860" - D: 0.100" - E: 0.255" - F: 0.167" Price (Each).						CF-C05
Buckets, Shim Under A: 28 mm - B: 1.022" - C: 0.860" - D: 0.100" - E: 0.255" - F: 0.135" Price (Each).						CF-C04
Buckets, Shim Under A: 28.50 mm - B: 1.058" - C: 0.765" - D: 0.080" - E: 0.300" - F: 0.098" Price (Each).						CF-C09
Buckets, Shim Under A: 31 mm - B: 0.166" - C: 0.975" - D: 0.079" - E: 0.325" - F: 0.108" Price (Each).						CF-C12
Buckets, Shim Under A: 32.50 mm - B: 1.216" - C: 0.910" - D: 0.079" - E: 0.325" - F: 0.100" Price (Each).						CF-C13
Buckets, Shim Under A: 33 mm - B: 1.223" - C: 1.025" - D: 0.090" - E: 0.312" - F: 0.115" Price (Each).						CF-C14
Buckets, Shim Under A: 33.50 mm - B: 1.223" - C: 1.025" - D: 0.090" - E: 0.312" - F: 0.115" Price (Each).						CF-C15
Buckets, Shim Under A: 34 mm - B: 1.258" - C: 1.025" - D: 0.090" - E: 0.312" - F: 0.115" Price (Each).						CF-C16
Buckets, Shim Under A: 35 mm - B: 1.300" - C: 1.000" - D: 0.105" - E: 0.312" - F: 0.130" Price (Each).						CF-C17
Buckets, Shim Under PVD Coated A: 26.50 mm - B: 0.992" - C: 0.748" - D: 0.079" - E: 0.300" - F: 0.106" Price (Each).						CF-C25
Buckets, Shim Under A: 36.95 mm - B: 1.388" - C: 1.040" - D: 0.090" - E: 0.400" - F: 0.105" Price (Each).						CF-C18
Buckets, Shim Under A: 37 mm - B: 1.376" - C: 1.040" - D: 0.135" - E: 0.400" - F: 0.145" Price (Each).						CF-C19
Buckets, Shim Under A: 37.50 mm - B: 1.398" - C: 1.040" - D: 0.135" - E: 0.400" - F: 0.145" Price (Each).						CF-C20
Buckets, Shim Under A: 38 mm - B: 1.418" - C: 1.040" - D: 0.135" - E: 0.400" - F: 0.145" Price (Each).						CF-C21
Buckets, Shim Under A: 38.50 mm - B: 1.438" - C: 1.040" - D: 0.135" - E: 0.400" - F: 0.145" Price (Each).						CF-C22
Buckets, Shim Under A: 39 mm - B: 1.457" - C: 1.040" - D: 0.135" - E: 0.400" - F: 0.145" Price (Each).						CF-C23

VALVE LIFT	DURATION	DURATION @.050	GRIND NUMBER	REGRIND	HARD WELD	NEW CAM
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## Web Cam Promotional

Web Cam Banner Official WEB CAM banner featuring the WEB CAM Logo.	AP-174
Web Cam Patch Official WEB CAM patch featuring the WEB CAM Logo. One size 2" X 4"	AP-164
Deluxe Hat Official WEB CAM hat featuring the WEB CAM logo.	AP-094
Small Sticker Official WEB CAM die cut decal. Size 1-1/2" X 6". Available in a variety of colors. Please specify.	AP-054
Large Sticker Official WEB CAM die cut decal. Size 3" X 11". Available in a variety of colors. Please specify.	AP-044
Short Sleeve T-Shirt Official WEB CAM T-shirt, 100% cotton. Available in small through XXL. Available in a variety of colors. Please specify.	AP-004

## Web Cam Tools

Valve Guide Seal Installation Tool BU 5.0 mm This special tool was designed to make installing valve guide seals a breeze. Fits Suzuki Models DRZ 350 90-98, GSXR 750, GS 1100 80-83 with Valve Guide conversion, DRZ / LTZ 400, GSXR 1100, GSXR 1300. Price (Each).	VG-T14
Valve Guide Seal Installation Tool 5.0 mm This special tool was designed to make installing valve guide seals a breeze. Fits CRF 450 EX 02-04, CBR 1100 XX 97-00, ZX 10 88-90, ZX / ZZR 11 90-99, ZX / ZZR 12 R 00-05, ZX / ZZR 14 / FZR 1800 Watercraft. Price (Each).	VG-T13
Valve Guide Seal Installation Tool 4.5 mm This special tool was designed to make installing valve guide seals a breeze. Fits CBR 900 RR 93-99, CBR 929 R 01, ZX 7 R 93-99, ZX 9 R 94-03, CRF 250 04-10, KX 250 04-10, RMZ 250 04-10, YZ 450 intake, YZ 250 F exhaust, R 1 exhaust. Price (Each).	VG-T12
Valve Guide Seal Installation Tool 4.0 mm This special tool was designed to make installing valve guide seals a breeze. FITS CBR 600 91-10, ZX6 R, ZX 636 R, GSXR 600 01-10, GSXR 750 00-09, GSXR 1000 01-10, YZ 250 F intake 02-10, R 6 intake, R 1 intake, CBR 1000 04-10. Price (Each).	VG-T11
Cam Degreeing DVD Step by step Cam Degreeing DVD, 20 minutes.	AP-194
Degree Wheel Degree wheel for precise engine tuning.	AP-184
Complete Cam Degreeing Kit Complete Cam Degreeing Kit Includes: DVD video, Dial Indicator, Magnetic Stand, Degree Wheel, 10 mm, 12 mm, 14 mm CNC positive stops, & Carrying case.	AP-144
14 mm Positive Stop Positive stop used to locate true TDC. Size 14mm.	AP-014
12 mm Positive Stop Positive stop used to locate true TDC. Size 12mm.	AP-012
10 mm Positive Stop Positive stop used to locate true TDC. Size 10mm.	AP-010
Shims 2.05 mm - 3.10 mm Kit includes an 18 compartment storage box and a total 50 shims with assorted sizes. Sizes available 2.05, 2.10, 2.15, 2.20, 2.25, 2.30, 2.35, 2.40, 2.45, 2.50, 2.55, 2.60, 2.65, 2.70, 2.75, 2.80, 2.85, 2.90, 3.00, 3.05, 3.10 mm. Please specify what sizes.	SS-010

<b>VALVE LIFT</b>	<b>DURATION</b>	<b>DURATION @.050</b>	<b>GRIND NUMBER</b>	<b>REGRIND</b>	<b>HARD WELD</b>	<b>NEW CAM</b>
Shims 2.60 mm - 3.05 mm Kit includes five each of the following sizes in an 18 compartment storage box. Sizes include 2.60, 2.65, 2.70, 2.75, 2.80, 2.85, 2.90, 2.95, 3.00, 3.05.						<b>SS-009</b>
Shims 1.80 mm - 2.25 mm Kit includes five each of the following sizes in an 18 compartment storage box. Sizes include 1.80, 1.85, 1.90, 1.95, 2.00, 2.05, 2.10, 2.15, 2.20, 2.25						<b>SS-008</b>
Shims 1.50 mm - 1.95 mm Kit includes five each of the following sizes in an 18 compartment storage box. Sizes include 1.50, 1.55, 1.60, 1.65, 1.70, 1.75, 1.80, 1.85, 1.90, 1.95.						<b>SS-007</b>
Shims 1.40 mm - 1.85 mm Kit includes five each of the following sizes in an 18 compartment storage box. Sizes include 1.40, 1.45, 1.50, 1.55, 1.60, 1.65, 1.70, 1.75, 1.80, 1.85.						<b>SS-006</b>
Shims Sizes Vary Adjusting Shims 7.5 mm. Sizes range from 1.30 to 3.40. Price (Each).						<b>SS-005</b>
Shims 2.60 mm - 3.05 mm Kit includes five each of the following sizes in an 18 compartment storage box. Sizes include 2.60, 2.65, 2.70, 2.75, 2.80, 2.85, 2.90, 2.95, 3.00, 3.05.						<b>SS-004</b>
Shims 2.30 mm - 2.75 mm Kit includes five each of the following sizes in an 18 compartment storage box. Sizes include 2.30, 2.35, 2.40, 2.45, 2.50, 2.55, 2.60, 2.65, 2.70, 2.75.						<b>SS-003</b>
Shims 1.85 mm - 2.30 mm Kit includes five each of the following sizes in an 18 compartment storage box. Sizes include 1.85, 1.90, 1.95, 2.00, 2.05, 2.10, 2.15, 2.20, 2.25, 2.30.						<b>SS-002</b>
Shims 1.35 mm - 1.80 mm Kit includes five each of the following sizes in an 18 compartment storage box. Sizes include 1.35, 1.40, 1.45, 1.50, 1.55, 1.60, 1.65, 1.70, 1.75, 1.80.						<b>SS-001</b>
Shims Sizes Vary Adjusting Shims 9.5 mm. Sizes range from 1.35 to 3.30. Price (Each).						<b>SS-000</b>

## **TECHNICAL INFORMATION**

### **DEGREEING IN YOUR CAMSHAFT**

Degreeing In Your Camshaft means synchronizing the camshaft's position with the crankshaft. A few degrees of misalignment can affect the engine's operation dramatically. If there were no manufacturing tolerances, you would only need to line up the marks on the timing chain sprockets and the cam would be degreeed, but with a group of components (the camshaft, crankshaft, timing chain, and sprockets) all with their own standards and tolerances that when installed, can stack up against you. You can never be sure that the cam is in it's correct position. Whenever possible, always degree in your cam.

The basic tools required are a degree wheel, a stable pointer that can be mounted to the engine, a dial indicator with at least a half inch of travel in 0.001" increments with a stand that mounts it to the engine, and a positive stop device to locate T.D.C.

#### **DISCONNECT THE BATTERY!**

Do not use the starter to perform any of these steps. To find Top Dead Center use a piston stop to stop the piston in the same position on either side of T.D.C. and take readings from the degree wheel. You will then split the difference in these readings and move the pointer this amount, making it the true T.D.C. point. First mount the degree wheel on the end of the crankshaft, and rotate the engine to approximate T.D.C. Mount the pointer and line it up at zero on the degree wheel. Now rotate the engine to move the piston down into the cylinder. Install your positive stop device into the spark plug hole and extend the bolt. Now hand turn the engine rotating until the piston comes up and stops against the bolt. Look at the degree wheel and write down the number of degrees shown by the pointer. Hand turn the engine in the opposite direction until the piston comes up and stops on the bolt again. Go back to the degree wheel and write down the degrees it now reads. Add these two readings together and divide the answer by two. Now either move your pointer by this many degrees, or carefully loosen the degree wheel (without disturbing the position of the crankshaft) and move the wheel this required amount. Retighten the bolts, and rotate the engine again making sure that the readings on each side of T.D.C. are equal degrees away from zero. If they are, the zero on the degree wheel will now be the true T.D.C. point. Remove the positive stop device from the spark plug hole.

After you are done finding TDC proceed with the following:

#### **REMOVE ALL LASH.**

With your dial indicator on the retainer or follower, rotate the engine in the direction it would normally turn, and come up to 0.050 inches of lift. Write down that figure. This is your opening figure. This is when the intake opens BEFORE Top Dead Center. Example would be 10 degrees on the degree wheel BTDC.

Now go over the top on the lobe until your indicator is 0.050 inches off the Base Circle. Now you should be where the intake closes AFTER Bottom Dead Center. Keep in mind to continue turning the engine in the same direction it runs and DO NOT BACK UP. Example would be 39 degrees on the degree wheel ABDC.

Now you can calculate your duration. The valve opens at 10 degrees, plus it closes 39 degrees, plus 180 degrees. (the distance in degrees from Top Dead Center (TDC) to Bottom Dead Center (BDC).) Your duration at 0.050 inches of lift would be 229 degrees.  $(10 + 39 + 180 = 229)$  Now you can calculate your lobe centerline. Divide your total duration by 2 and subtract your intake opening figure, (This would normally be the smaller number of the two)  $(229 / 2) - 10 = 104.5$ . This is your lobe centerline measured in crank degrees.

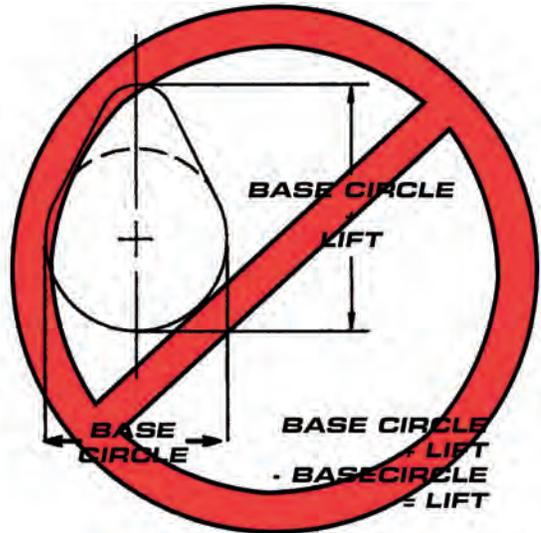
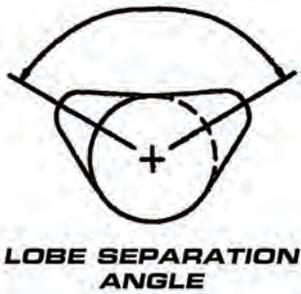
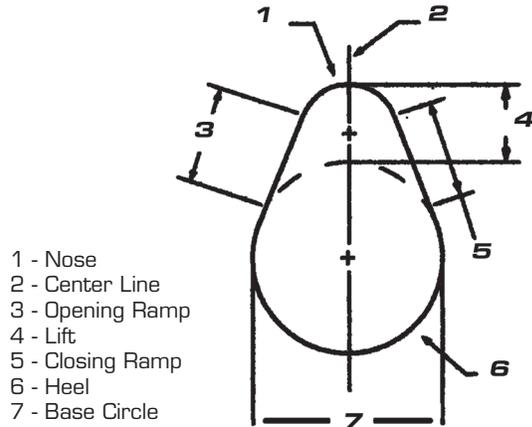
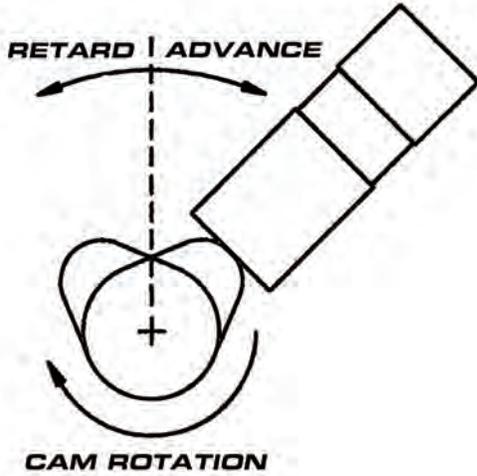
To check you lobe center separation, add your intake lobe center line to your exhaust lobe center line, and divide by 2. Lobe center separation is measured in cam degrees. You may move the cam to the desired lobe centerline and check again. If you move the lobe center separation closer together, it would normally give you more low to mid range. If you move the lobe center separation apart, it would normally give you more mid to top range. Not all engines can handle tight lobe center separation. Certain applications require wider lobe center separation, such as stock fuel injected engines or blown applications. For our best recommendation, please call WEB-CAM direct. Always check all clearances when degreeing in cams. Check the exhaust in the same way.

#### **PLEASE NOTE:**

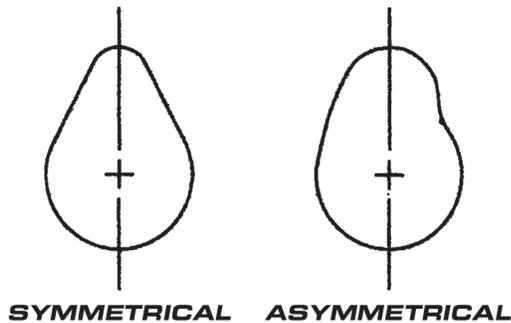
If you have a low overlap cam, the intake opening may be AFTER TDC, if so, you will have to SUBTRACT that figure from the closing number and add 180. This will be the duration at 0.050 inches of lift.  $(39 - 10 + 180 = 209)$  Divide the number by two, and add back in the opening number.  $(209 / 2) + 10 = 114.5$  This will equal lobe center line. The same thing may happen on the exhaust side with your closing number, it could close Before TDC. If you need help, please call us direct. Thank you.

ABDC:	Abbreviation of After Bottom Dead Center. The piston has reached the bottom of it's stroke, and is on it's way back up. Measured in degrees.
ASYMMETRICAL:	Not identical on both sides of a central line. In most cases, the opening side of the lobe being much more aggressive than the closing side.
ATDC:	Abbreviation of After Top Dead Center. The piston has reached the top of it's stroke and has started on it's way back down. Measured in degrees.
BASE CIRCLE:	The concentric or round portion of the cam lobe where the valve lash adjustments is made.
BBDC:	Before Bottom Dead Center. Measured in degrees.
BDC:	Abbreviation of Bottom Dead Center is the piston's position when it has reached the bottom of the cylinder, and the center line of the connecting rod is parallel to the cylinder walls.
BTDC:	Before Top Dead Center. Measured in degrees.
CAM FOLLOWER:	Usually a flat faced or roller companion to the camshaft that transfers the action of the camshaft to the rest of the valve train by sliding or rolling on the cam lobe.
CAM LIFT:	This is the maximum distance that the cam pushes the follower when the valve is open. This is different from valve lift. See Gross Valve Lift.
CAM MASTER:	Design of the cam transferred to a template or master. The master is then installed in the cam grinding machine to generate the shape of the lobes of the production cam.
CAM PROFILE:	The actual shape of the camshaft lobe.
CAMSHAFT:	A shaft containing many cams that covert rotary motion to reciprocating (lifting) motion. For every 2 revolutions of the crankshaft, the camshaft rotates 1 revolution. The lobes on the camshaft actuate the valve train in relation to the piston movement in an internal combustion engine. The camshaft determines when the valves open and close, how long they stay open and how far they open.
CAST BILLET:	A camshaft which is made from a casting. The material for the casting is a special grade of iron alloy called Proferal.
CLEARANCE RAMPS:	The portion of the cam lobe adjacent to the base circle which lifts at a constant slow speed. It's purpose, is to compensate for small deflections and take up the slack in the valve train created by the valve lash. The opening ramp takes up all clearances in the valve train and causes the valve to be on the verge of opening. The closing ramp begins when the valve touches the valve seat and ends when the tappet returns to the base circle. Ramp designs have a tremendous effect on power output and valve train reliability.
COIL BIND:	A valve spring that has been compressed to the point where the coils are stacked solid and there is no space left between the coils. The valve cannot open any further when this happens.
CONCENTRIC:	Running true or having the same center. In camshaft terminology, the cam bearings and lobes are concentric to each other when the cam is straight and there is .001" or less runout between all the cam lobes and bearings.
DOHC:	Dual OverHead Cam. A pair of overhead camshafts, one to operate the intake valves and the other to operate the exhaust valves.
DURATION @.050":	The distance measured in degrees of crankshaft rotation from when the valve is open .050" until it is .050" from closing.
FLANKS:	The sides of the cam lobe or the portion of the lobe that lies between the nose and the base circle on either side.
GROSS VALVE LIFT:	Obtained by multiplying the cam lift by the rocker arm ratio. Rocker arm tolerances can vary this figure by as much as +/- .015".
HYDRAULIC LIFTERS:	These lifters are designed to maintain zero lash in the valve train mechanism. Hydraulic lifters do maintain a constant pressure on the camshaft lobe which solid lifters do not. Their advantages include quieter engine operation and elimination of the periodic adjustment required to maintain proper lash as with solid valve lifters.
LOBE:	The lobe is eccentric to the cam bearings of the camshaft and transmits a lifting motion through the valve train to operate the valves. The design of the lobe determines the usage of the camshaft. (i.e. street use or all out competition).
LC SEPARATION:	The distance measured in degrees between the centerline of the intake lobe and the centerline of the exhaust lobe in the same cylinder.
LOBE CENTER LINE:	Lobe center line is measured in crank degrees. It is the point half way between the opening and closing figures measured at .050" of lift.
LOBE TAPER:	This is the amount by which the diameter of the front of the base circle is different from the diameter of the rear of the base circle. The amount of taper can be anywhere from zero to .003" depending on the engine. If the forward side of lobe is greater than the rear side we say that the cam has taper left (TL). If the back side of the lobe is greater than the front side then we say that the cam has taper right (TR). Lobe taper has a dramatic effect on the speed of rotation of the lifter. If the lifter does not rotate at the proper speed, premature lifter and cam wear will occur.
NET VALVE LIFT:	The actual lift of the valve. This lift can be determined by subtracting the valve lash dimension from the gross valve lift figure. Rocker arm production tolerances can vary this figure by much as +/- .015".
NOSE OF THE LOBE:	The highest portion of the cam lobe from the base circle.
OHC:	Overhead Cam Engine. A camshaft in an engine that is located in the cylinder head over the engine block rather than in the block.
OHV:	Overhead Valve Engines. In this type of engine the camshaft is positioned beneath the valves.
OVERLAP:	A situation where both the intake and exhaust valves are open at the same time when the piston is at top dead center on the exhaust stroke. The greater the seat duration is on the intake and exhaust lobes, the greater the overlap will be in degrees.
ROLLER TAPPET:	The roller tappet performs the same function as the mechanical or hydraulic tappet. However, instead of sliding on the cam face, the lifter contains a roller bearing which rolls over the cam surface.
SEAT DURATION:	The total time in degrees of crankshaft rotation that the valve is off of its valve seat from when it opens until when it closes.
SPRING FATIGUE:	Valve springs have a tendency to lose their tension after being run in an engine for certain periods of time, because of the tremendous stress they are under. At 6,000 rpm, for example, each spring must cycle 50 times per second. The tremendous heat generated by this stress eventually effects the heat-treating of the spring wire and causes the springs to take a slight drop in pressure.
SPRING SURGE:	The factor which causes unpredictable valve spring behavior at high reciprocating frequencies. It's caused by the inertia effect of the individual coils of the valve spring. At certain critical engine speeds, the vibrations caused by the cam movement excite the natural frequency characteristics of the valve spring and this surge effect substantially reduces the available static spring load. In other words, these inertia forces oppose the valve spring tension at critical speeds.
TDC:	Abbreviation of Top Dead Center. TDC is the piston's position when it has reached the top of the cylinder, and the center line of the connecting rod is parallel to the cylinder walls.
VALVE FLOAT:	A situation caused by inadequate valve spring pressure, and the valves do not close fast enough.
VALVE LASH:	This is the clearance between the base circle of the camshaft lobe and the camshaft follower or tappet.

## CAM TERMINOLOGY



Because of the higher durations on performance camshafts, you can NOT determine the lift by subtracting the base circle size from the overall height of the lobe. You must use a dial indicator with the camshaft between centers or in the engine.



**NOTES:**

**CATALOG # 19**

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