

HT leads seem to be one of the expensive things for our cars, so with a little investigation it appears it possible to buy all the parts needed to make your own.

Porsche used the same system as Mercedes of the era, with the leads made up in parts

the Angled plugs for the distributor, the long plug caps all screw on the ends of leads, the leads are made up using normal 7mm silicone or copper core lead, then the ends are finished with little brass 3mm crimp on caps.

as shown below.

there is a special tool to crimp these on made only by Beru at the princely sum of 325 euros, but guys you know me I wont be paying that....

so I have bought a tool for crimping on 6mm BNC Ethernet connectors and with a bit of careful modification these should do the job just fine, and for \$10 I don't mind if I ruin them in the process.

Part Required


4 metres of High Performance 7MM high tension lead

At least twelve Beru 0 901 300 003

[http://www.autoteilemann.de/catalogsearch ... 0901300003](http://www.autoteilemann.de/catalogsearch/result/?q=0901300003) Cheapest I could find, you can also buy them at a Mercedes dealer at about \$3.50 each

Crimp tool, BNC TNC RG58 RG59 Coax Coaxial CCTV Cable Crimp Crimper Crimping Hand Tool



Like this 

Also

Sharp craft knife

Red rubber grease

And some lubricant spray

The first job is to get all your old leads apart, they unscrew push a screwdriver carefully into the boot, between the lead and cap and spray in some lubricant, then unscrew the lead and pull it out

It might take a bit of a pull and come out with quite a pop

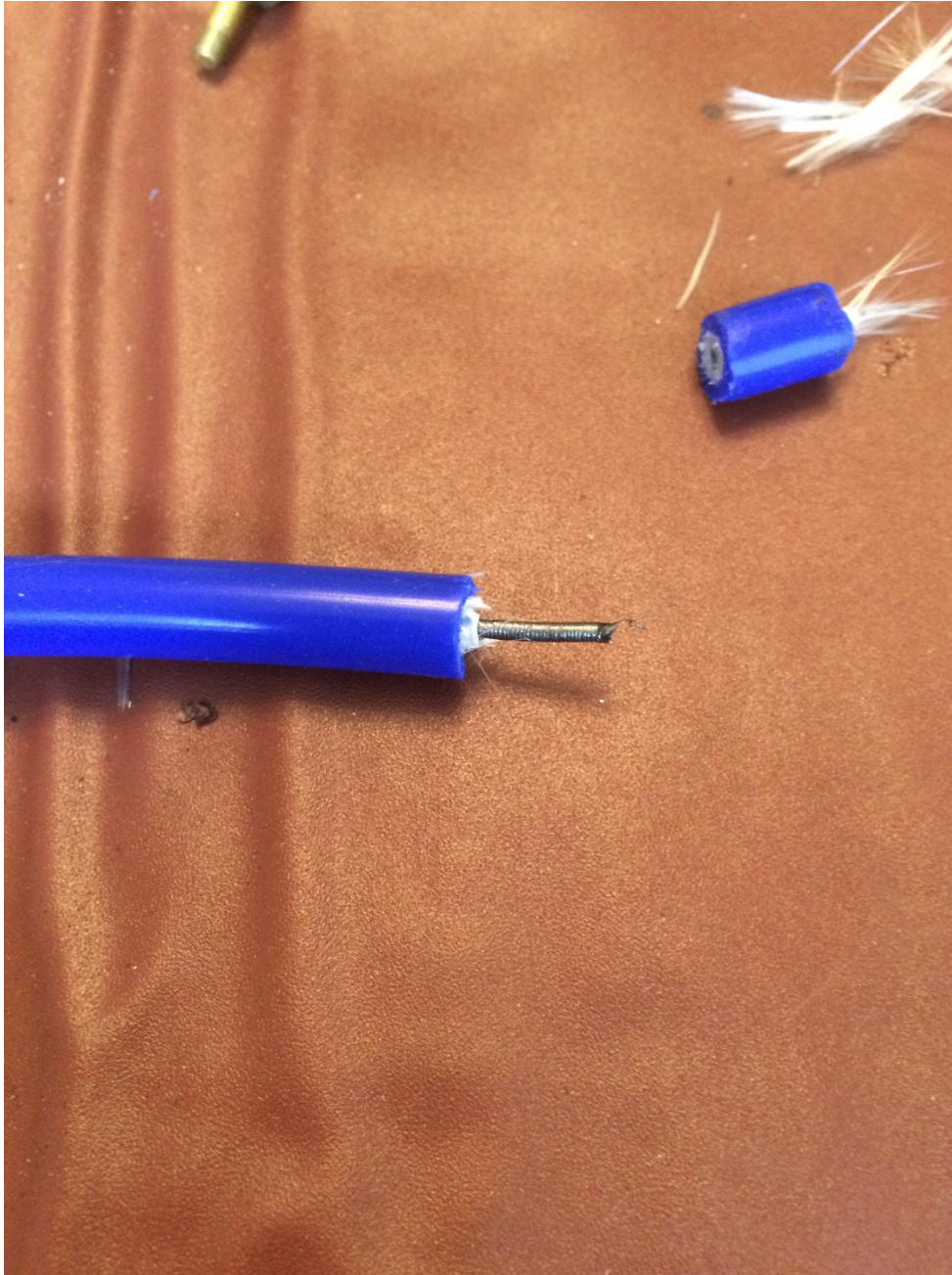


Take care doing this as pulling off a brass end cap and getting it stuck inside one of the rubber end caps is fun to remove

Once they are stripped measure out your new HT lead and cut them about 2 inches longer than you need, using your old ones as a template.

If you decide to use 8mm leads they will need slimming down a touch at the ends.

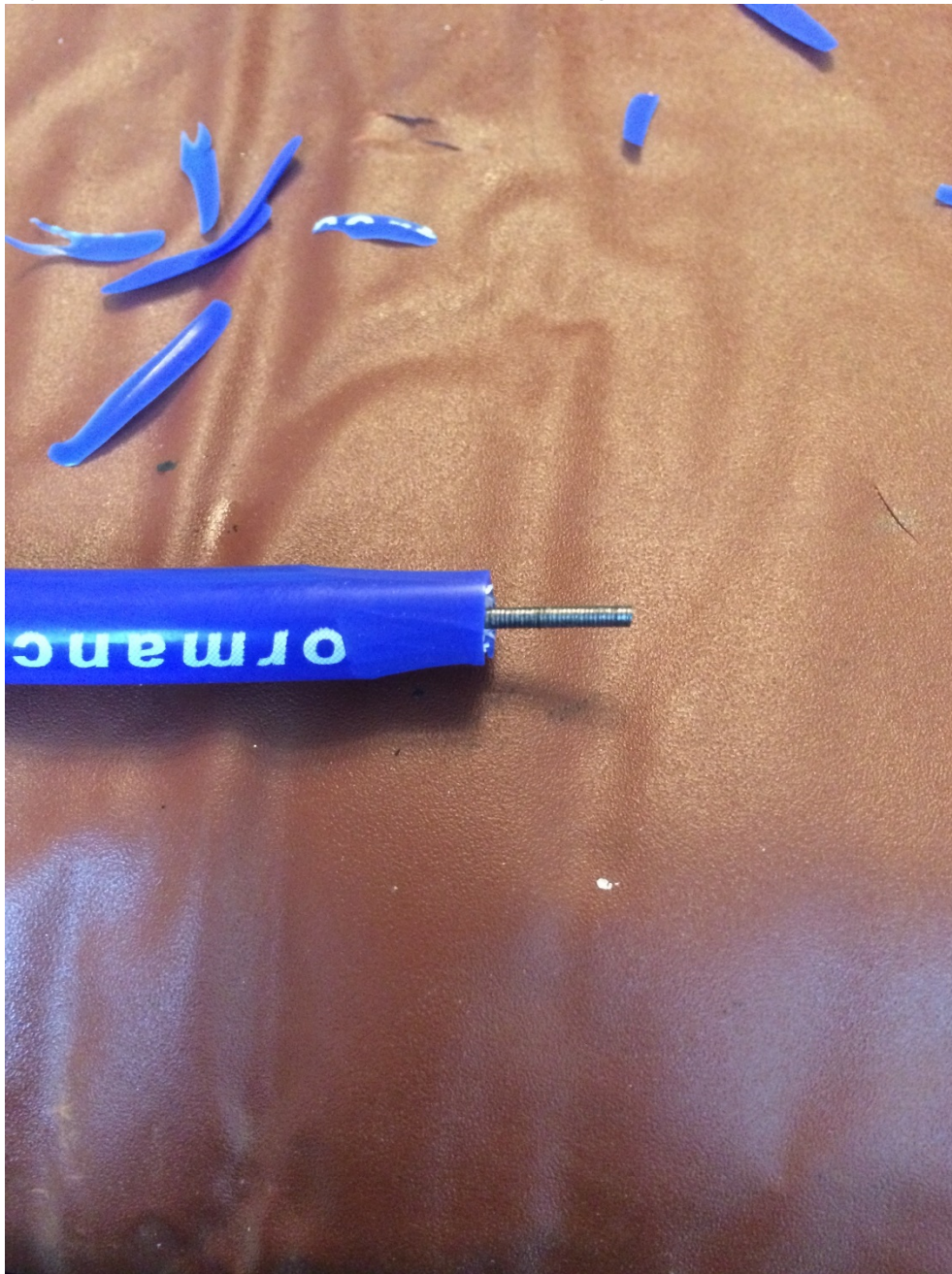
Next job is to strip the insulation on one end of the lead.



If it comes off and leaves a little of the fibre trim this off with your craft knife.



If you decide to use 8mm lead it will need trimming down to fit like this



Then cut the core to match the depth of the hole inside the brass end cap.

Insert the lead and push home as tight as you can, then crimp the core in place.



Then crimp the sleeve on the cable, the trick with both these crimps is to not bend the 3mm end to much out of line as they will not screw in the caps if they are too far out of line and bending them straight normally results in a breakage.

(Which is why you cut the cables slightly longer than you need and order extra brass caps)

Then trim the lead to the correct length but  $\frac{1}{2}$  an inch to an inch longer than you need in case of mishaps, then repeat the process on the other end crimping on the cap.

When all the leads are complete smear the ends with rubber grease and the lead entrance on the rubber caps then reassemble.

In full English jobs a goodun

I will add that I bought a second hand set just in case I broke anything and need a spare part

All the Beru spares are listed in this catalogue

[http://fm.elcome.co.uk/FM\\_Beru/catalogues/CATBU1204.pdf](http://fm.elcome.co.uk/FM_Beru/catalogues/CATBU1204.pdf)

<http://www.beruparts.com/product.sc?productId=19&categoryId=8>

the correct Beru Crimp tool

<http://www.beruparts.com/product.sc?productId=271&categoryId=6>