How To: Replace exterior temp sensor – all coupes

Tools needed:

Latex or nitrile gloves help to keep your hands clean
Screwdriver & torx 20 bit
Wire cutters & crimpers
2 x thin flathead screwdrivers
Torch will be handy
2 x sleeved connectors

Here is the new probe in it's sealed bag, part number 6445.Y8 (same for both D8 & D9) & cost less than £15:

First off you need to remove the mirror glass from the housing. Tilt the glass fully upwards to give you as much room to see as possible. You'll see 2 small metal pins in the centre of the glass hanging down. With a flathead screwdriver, push each one towards the other and push it away, this releases the glass. On the rear are 2 spade connectors for the heated element, the blue wire is the upper spade, red is the lower. Picture of the glass is below:

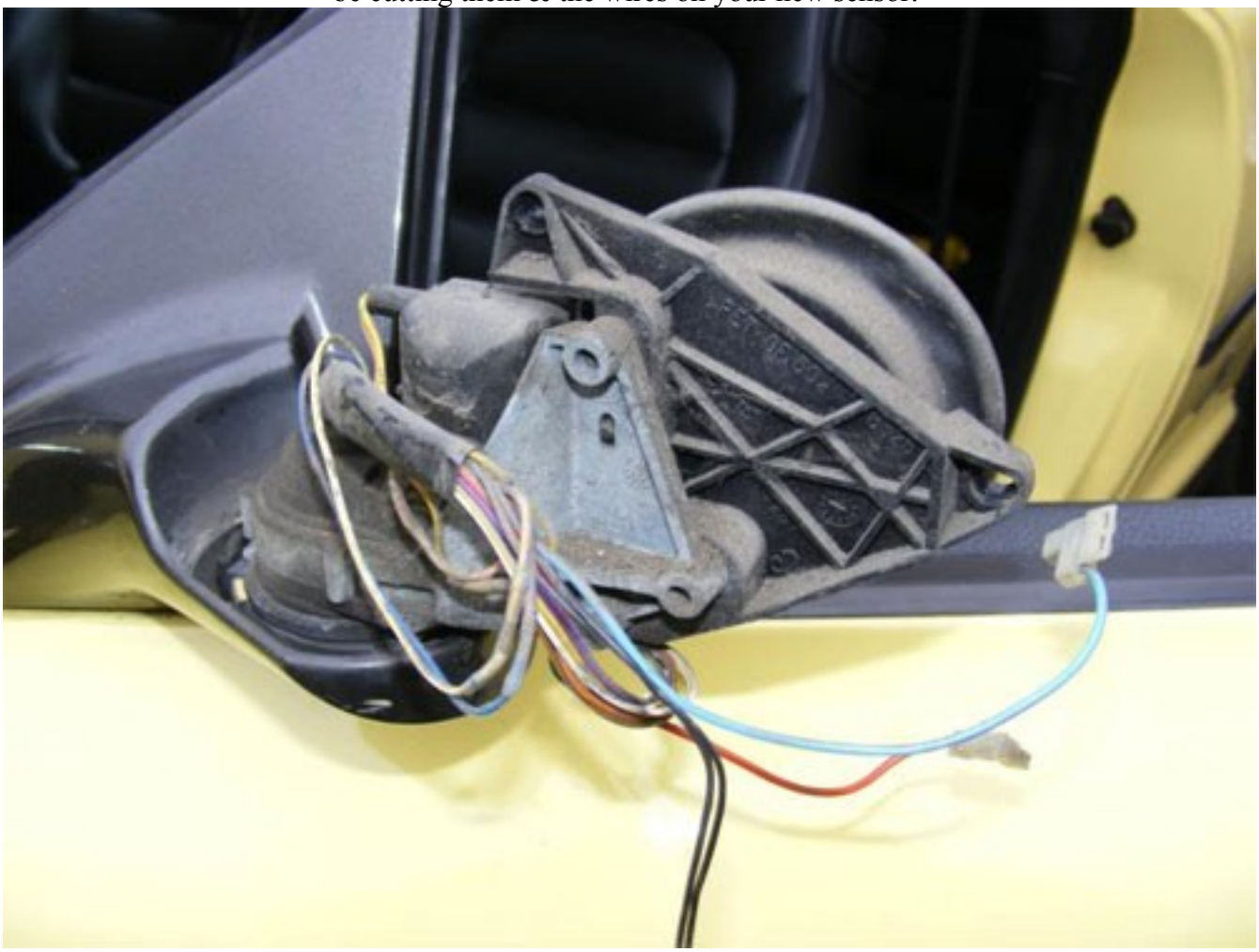
The next picture shows the workings of the mirror once the glass is out. Please note the 3 screws that need to be removed to release the mirror backing:

Once you've removed the 3 Torx 20 screws, you'll see 1 tab on the lower left of the housing. You'll need to fold the mirror in to remove the backing a bit easier, then fold it back out to work on:

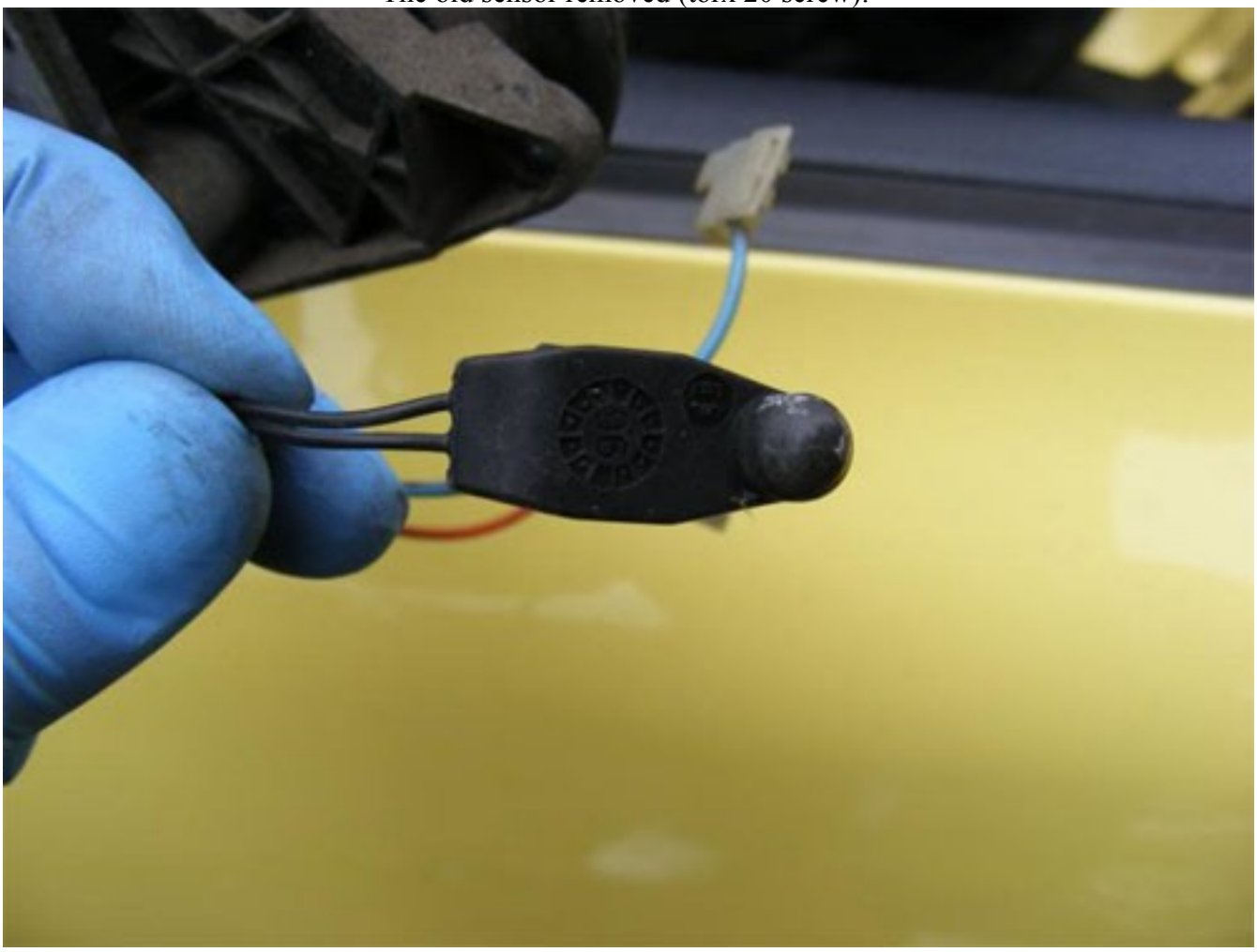
In this photo you'll see the 2 upper release tabs that you'll need to lift up slightly to they release from the main mirror itself:

This photo shows the 3 screws you need to remove to get the back of the mirror off:

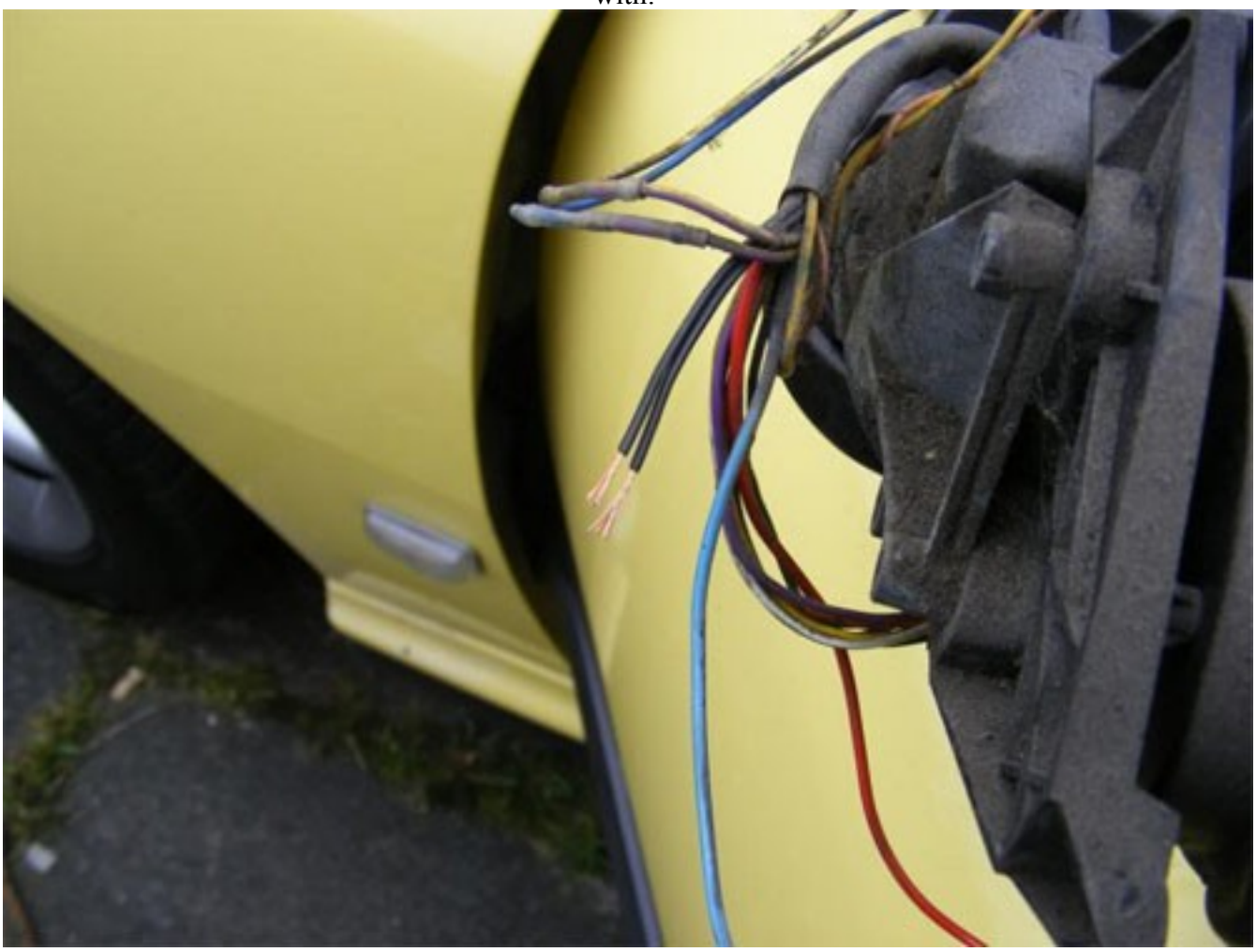
This photo shows the mirror as you now need to have to start replacing the sensor. There isn't a connector plug or anything, the 2 black wires go straight into the loom, so leave yourself enough wire to work with, bearing in mind you'll be cutting them & the wires on your new sensor:



The old sensor removed (torx 20 screw):



Using my wire cutters, I chopped both wires remembering which one went to the new sensor so I had plenty left to play with:



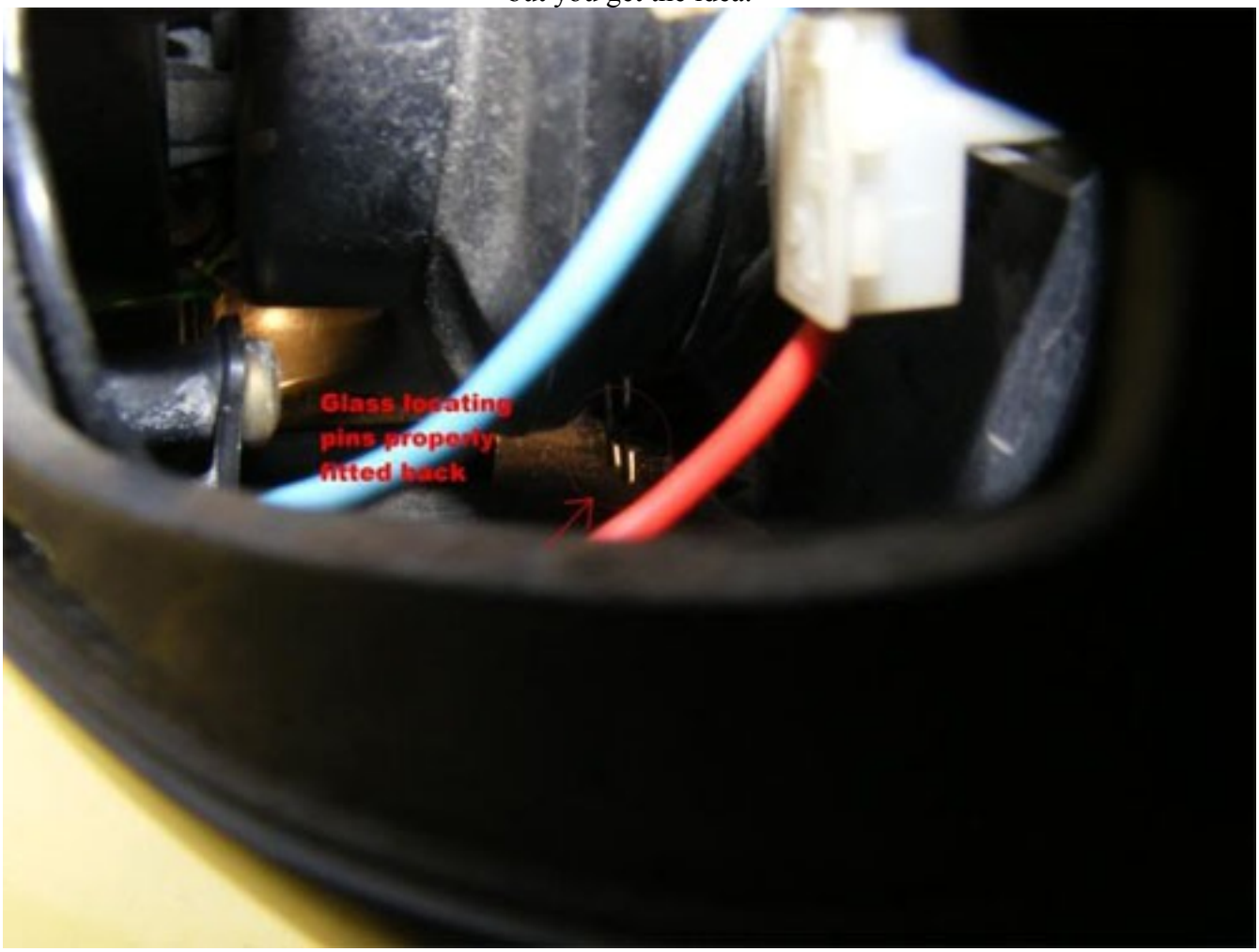
Old sensor on the right, new sensor on the left. Ignore the blue sleeve connector, I didn't use that one:

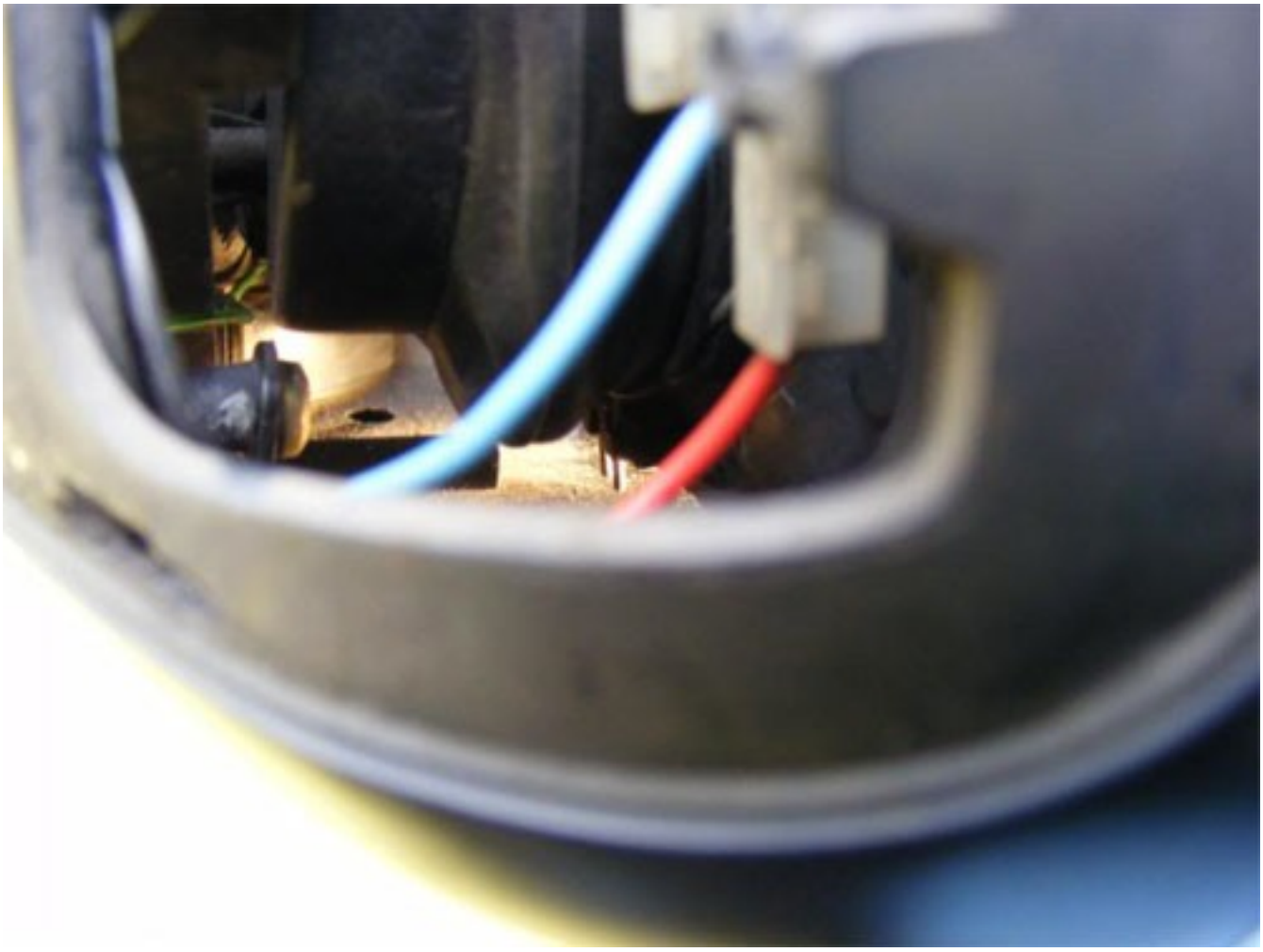
Here shows how I've connected the new sensor to the existing loom. I used 1 sleeve for each cable & carefully crimped them securely:

Ok, now we can start to build the mirror back up. Carefully re-fit the mirror backing you removed earlier, making sure you don't trap or snag any of the wires (mirror glass ones). On the bottom you can see the new sensor screwed back in it's original place:

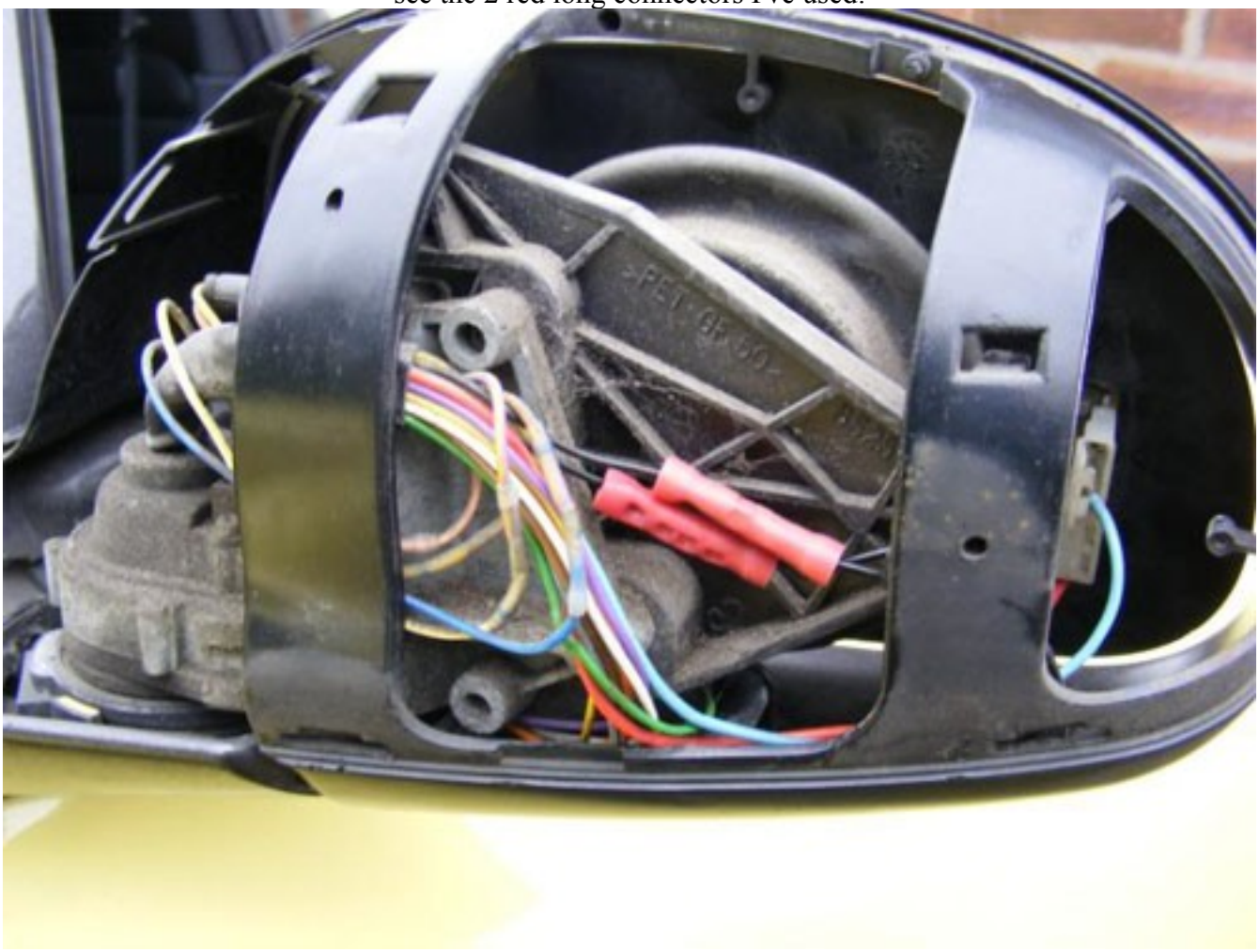
Now using the 3 torx 20 screws you removed earlier (the longer ones), screw them back in to secure the back of the mirror. You may need to wiggle it about to get it seated right & the holes lined up:

These 2 photos show the mirror glass 'correctly' fitted back with the 2 prongs brought round and clipped back into the middle of the housing (as per photo 2 above). I've tried my best to photo them using the Brinkmann torch, they aren't great but you get the idea:





This photo shows the back of the mirror with the housing fitted & glass now in place & spade connectors fitted. You can see the 2 red long connectors I've used:



The end..