

## D4 Sat Nav Screen in a D3

Parts needed

D4/RRS Touch Screen with built in Nav Hard drive from a 2010 or 2011 year.

You will also need to make a small loom up .

You will need one of these to extend the Gps connection from the D3's sat nav DVD drive under the front passenger seat to the new D4 touch screen

[http://www.ebay.co.uk/itm/271070352816?\\_trksid=p2059210.m2749.l2649&ssPageName=STRK%3AMEBIDX%3AIT](http://www.ebay.co.uk/itm/271070352816?_trksid=p2059210.m2749.l2649&ssPageName=STRK%3AMEBIDX%3AIT).

The screen I used was from a 2010 RRS, it's the same screen but the plastic bezel/surround is different on a screen from a D4, so when it comes to final fit and trim of the surround and "H" trim panel you need to take this in mind as both surrounds will need different amounts of trimming/tweaking.

Ok the first thing you need to do is just remove the D3 touch screen and leave the connections in place, and tucked away, except for the grey multipin plug that powers the screen, and the MOST cable, nothing else needs to be removed.

Now once the D3 screen is removed you need to remove the mounting plate that holds it in position by removing the four screws in the picture.

D3 Screen



Now lay the D3 screen mount over the D4 screen mount and mark the four screw holes in the D4 back plate to be drilled, make sure you have the back plate the right way up. You don't have to be exact but ensuring the front holes where the screen mounts in the D3 are in the same position, these are the holes that hold it in the car.

## D4 screen



Now do the same on the D4 screen, by removing the back plate as shown below by removing the four screws.

Try fitting the D3 back plate to the D4 screen with the four screws. If ok move on to next stage of fitting.

Now comes the fiddly bit, you need to get the screen to fit in the dash, the D4 screen is taller than the D3 one so you need to cut the two top mounting lugs off the back plate otherwise it won't allow the screen to go back and up enough in the dash. Its mounted with only the two lower front screws.

You also need to remove the top two mounting lugs from the D4 screen as the D3 does not use them, and they catch on the existing D3 mounts. On my screen there were two small screws in the mounts and the brackets were also riveted on, just get some pliers and remove the brackets by twisting them back and forth till they break off.

The D4 screen has the MOST socket at a different angle than the D3 screen so you need to allow a bit of room for this, its tight but doable, Just be careful not to bend the orange Most Cables at too tight an angle.

Once your happy with screen mounting, and depending on what model the screen came out of you need to trim the plastic surround and your "H" trim panel to look like OEM fit..

On the screen plastic trim only you need to cut down each side, by cutting the hole mounts and extra plastic from the trim, it needs to be flat on both sides.

You also need to cut of the two lower mounting holes and trim off the bottom edge of the screen surround like below. But just remember if it came from a D4 or RRS the trims are different so will need different amounts of trimming.



The "H" trim now need to cut right along the bottom edge where it butts up to the bottom of the screen, you might also need to remove a small amount of material from each side of the "h" trim that's butts up to the screen sides.

Again remember if it came from a D4 or RRS the trims are different so will need different amounts of trimming.

Once your happy that the "H" trim panel will fit back in and look OEM you need to make up a small loom consisting of 4 pins.

I made up the loom from some small wire and motherboard extension connection leads from Maplins, these little bad boys are the correct size of pin that fits in the socket of the D4 screen.



Part numbers Maplin A39GF

The connections on the D4 screen are numbered on the socket at each corner.

The connections we need are

Pin 11 Earth

Pin 14 live feed from Infotainment relay, this cuts the feed to sleep mode.

Pin 8 Battery This is a constant live feed.

Pin 2 ABS speed pulse wire.

Pin 2 needs to be connected to wire from the ABS module on Pin 33 Green wire with an Orange trace.

This wire can be connected to the Sat Nav DVD drive under the passenger's seat on Pin 21 Green/Orange, this is the wire that comes from pin 33 on the ABS module.

( This is assuming you have Nav fitted in your D3, if not you will have to run the wire from the engine bay / ABS module through the bulkhead.) if you're thinking of installing the High Line Head Unit.

You can use the connections on the Old D3 grey power plug for pins 11.14.8 .

The wires you need to splice in to on the D3 plug are

Pin 11 on D4 screen to Pin 3 on D3 plug Black wire

Pin 14 on D4 screen to Pin 11 on D3 screen Blue/Orange

Pin 8 on D4 screen to Pin 1 on D3 screen Purple/ Blue

As I said earlier you now need to connect your extension gps lead to the back of the touch screen and run the cable through the centre consul.

Once all this is done you should be able to have the screen up and running with an up to date set of maps. Or newer than your D3 maps.

Also a big thanks from Pat @Gap for a firmware tweak that enables the rear view camera to work on the D4 screen, this should work but for some reason my screen will not work on my car at the moment, still work in progress. Gap have also shown me a video of the screen working on their bench test.

Rear View Camera Connections are on the smaller of the grey sockets with 6 pins you need to connect to pin 2 and 5, (middle pins) again using two of the Maplin connectors.

Pin 2 Video Top Pin

Pin 5 Screen

If you have any questions then pm me and I will try to help when time permits.

Flack