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Lotus Elise – Series 1 DASH2 PRO Installation.

Step 1

Remove the shroud from around the steering column.

Step 2,

Using a 10mm socket remove the 2 screws underneath the existing dashboard – 1 on each side of the steering column.

Step 3,

Unclip the connector from the back of the existing dashboard and remove the old dashboard as shown:



Step 4,

Use a 7mm spanner or socket to remove the old dashboard from the brackets and shroud.



Step 5,

Place the carbon panel into the shroud. Bolt into place temporarily and mark out the two large holes onto the shroud as shown below:



Using a scalpel or other suitable tool, remove the rubber covering in semicircles.

Step 6,

Mark the hole shown below, ready for drilling through with a 5 or 6mm diameter drill.



Step 7,
Remove carbon panel and drill a 5 or 6mm hole through the shroud in previously marked position.



Step 8,
Bolt one of the brackets behind the marked side of the shroud as shown below, ensuring that the right angled section is towards the outside, so that when you cut out the semicircles it is only cutting into two layers of flat metal. Align the inside edges for a neat job.



Step 9,
Using a junior hacksaw cut a triangular wedge out of each semi circle. Use a rounded file or a hobby tool grinder to complete the semicircular cut outs.





Step 10,
Unbolt this now modified bracket from the shroud.

Step 11,
Bolt the carbon panel assembly to the shroud, making sure it seats into it correctly, and that the brackets are behind the shroud.

The top two bolts are M4 x 14 buttonhead cap screws, secured with a washer and nylock nut. The bottom two screws are countersunk M3 x 12mm, secured using a washer and a nylock nut.

Before fully tightening these fasteners, check that the hex bolts which will secure the dashboard in place clear the carbon panel as they screw into the brackets. If they do not, push the brackets up slightly in their slotted mounts.



Step 12,
Mount the DASH2 PRO onto the panel using the three mounting holes. For the top hole that secures through the shroud use an M4 x 12 button head screw with a washer. For the remaining two use M4 x 8 button head screws with a washer.

Step 13,
Connect the two large connectors to the DASH2 PRO.

Step 14,
Connect the square multi-way connector to the vehicle's dashboard connector in the dashboard opening.

Step 15,
There is a bracket holding a black box in the dashboard opening, push this back, bending the bracket until none of the box protrudes into the opening.

Step 16,
Insert the completed dash unit into place, hooking the lower part of the carbon panel under the lip on the dash. Ensure that the dashboard's mounting brackets remain in top of the vehicles clearance hole bracket.

Step 17,
Using an extension and a 10mm socket spin the mounting bolts into the place with the dashboard shroud pulled forward slightly.

Step 18,
When the hex bolts get close to the carbon panel they will require a few turns with an open ended spanner to get them past the panel, tightening can then resume with the 10mm socket until fully secured.

Oil pressure

Step 1

Jack up the car and remove the bottom tray to enable access to the engine.

Step 2

Locate the standard oil pressure switch near the oil filter, remove it and insert the new oil pressure sensor.



Step 3

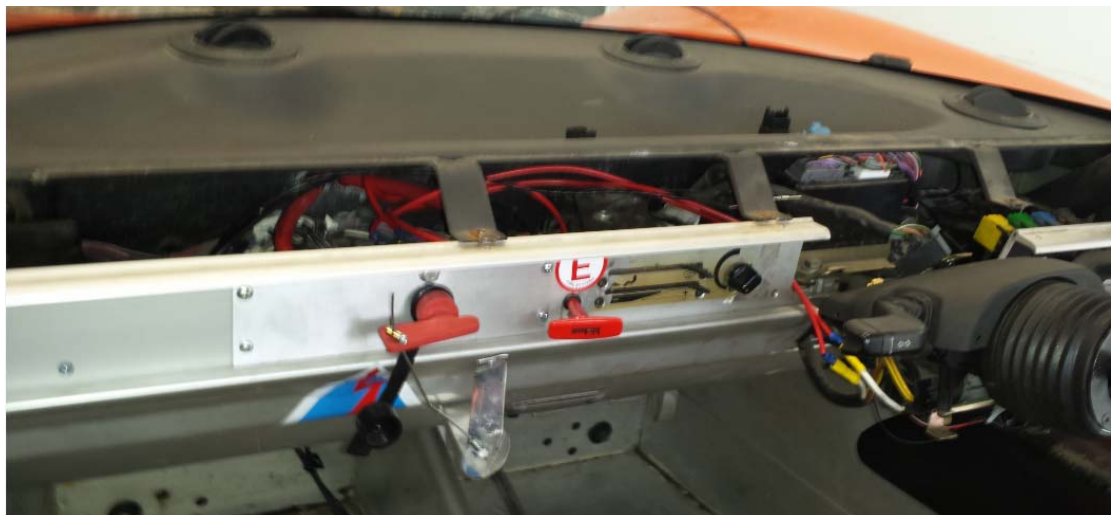
Cable tie the cable on to the sensor and then thread the cable through the centre of the car, following the gear linkage and cable tie it where necessary.





Step 4

Remove the dashboard panel to allow access to the loom behind the dashboard.



Step 5

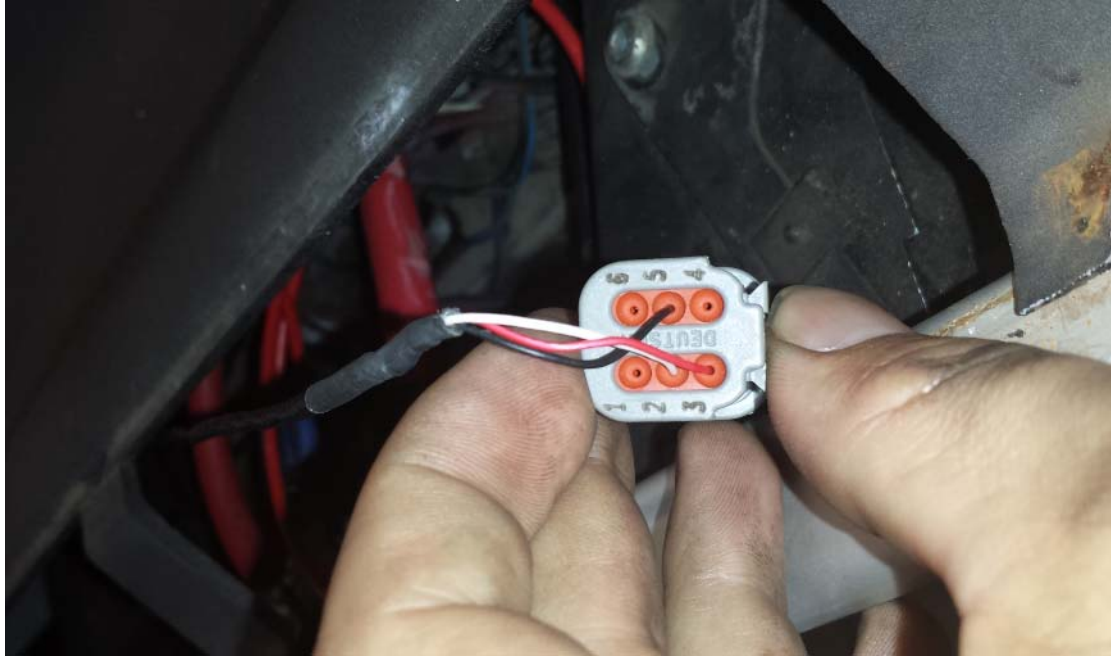
Insert the cable through the rubber seal.



Step 6

Insert the pins into the Duetsch connector:

- 2 – White
- 3 – Red
- 5 - Black



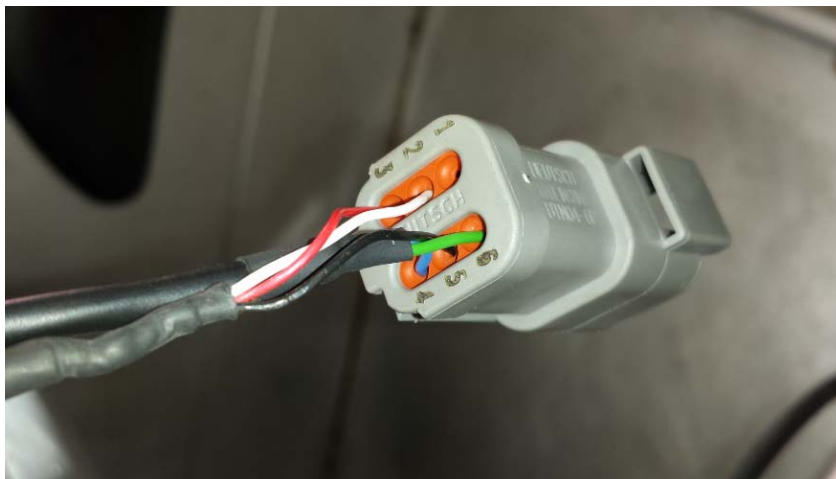
GoPro

If you use a GoPro it is possible to connect it to the DASH2 PRO. The DASH2 PRO will start and stop the GoPro logging to allow the video to be synchronized with the data from the DASH2 PRO.

Step 1

Insert the GoPro cables into the same Duetsch connector as the oil pressure sensor

- 6 – Green
- 4 – Blue



Step 2

Thread the GoPro cable to your desired GoPro location.

Step 3

Modify the GoPro case to allow GoPro connector be installed. On the Hero3 the skeleton case can be used without modification.

For further instructions refer to online help for GoPro.

GPS Antenna

We recommend the GPS antenna is mounted on the highest point of the car. We understand that on the Elise it isn't always possible due to the removable roof.

Things to be aware of

- Keep cables away from any part of the engine's spark plugs.
- Mount on the outside of the car.
- Do not trap or kink the GPS cable.
- Do not mount close to any metal that is higher than the antenna.
- Mount the antenna pointing upwards.

Choose your desired location and thread the GPS cable to the back of the DASH2 PRO.

