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## Installation Instructions - Lotus Elise Series 2 DASH2 PRO plug and play kit



### Installing the DASH2 PRO



Remove steering column plastic covers by undoing the highlighted 6 screws and disconnecting the trip reset button from the lower section.



Unscrew 2 x 10mm hex head bolts and remove dashboard shroud.



Disconnect the connectors from existing instruments.

Unbolt the old instruments from the dashboard shroud.





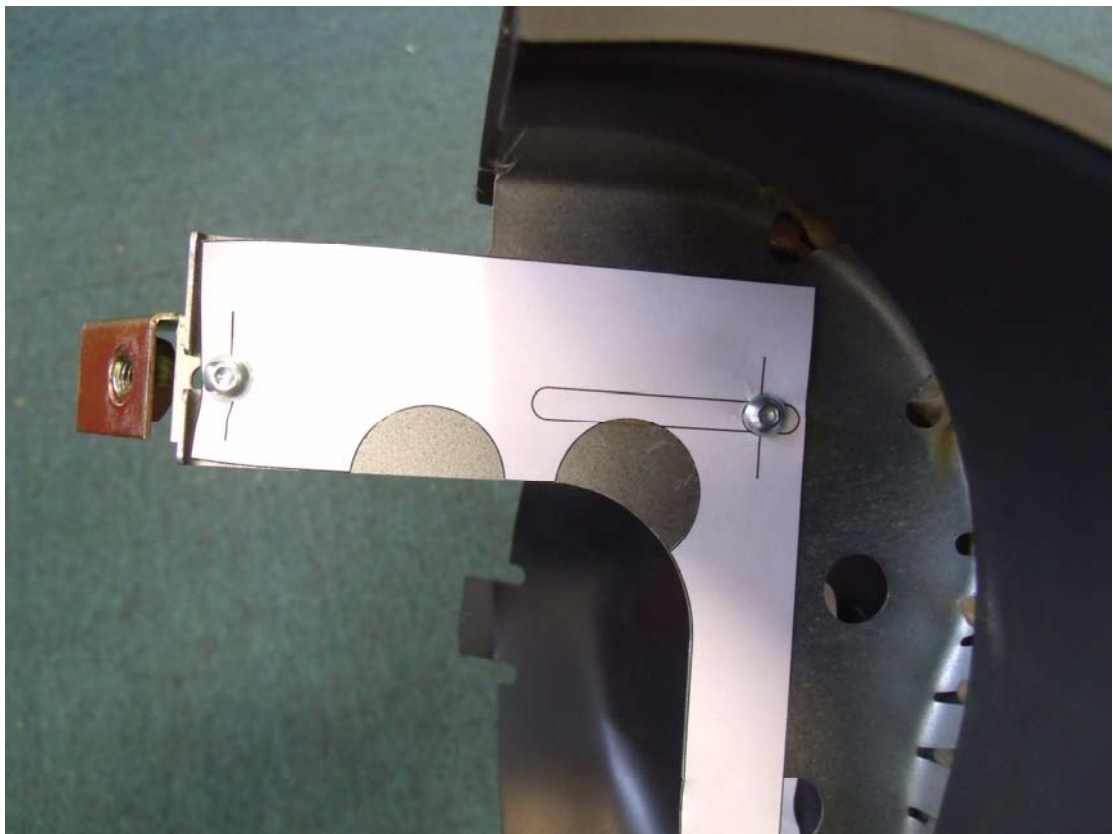
Once removed print out and cut out the cutting template:



Using a temporary adhesive (e.g. Spray mount) stick this to the metal panel inside the shroud as shown:



There are points marked where the bolts must go. Push some suitable bolts through at these points and bolt a bracket in place behind it as shown:

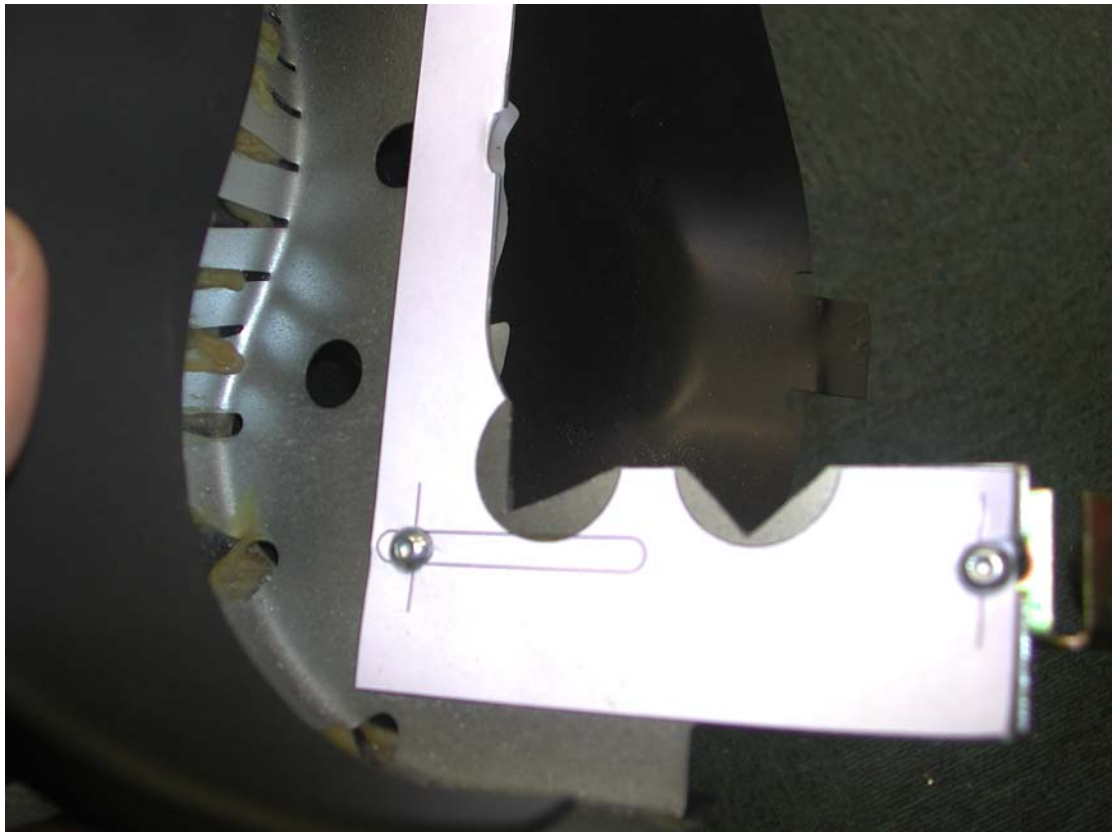




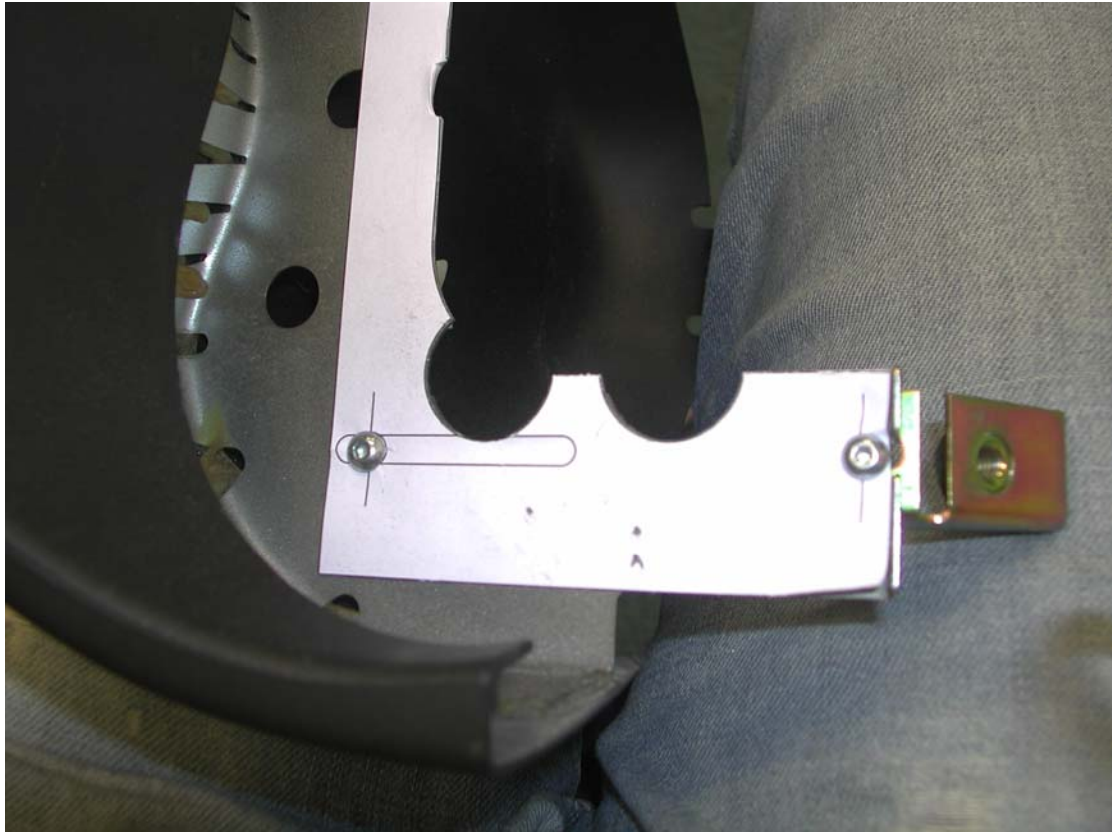
Ensure the bolt deepest inside the shroud is at the lower limit of the bracket's slot (with the bolts placed according to the template positions).

Using a hacksaw cut notches in the shroud corresponding to the semicircular areas of the template:





Using a file or a grinding tool, expand these cuts until they match the semi circular areas of the template.



Unbolt the bracket and remove the paper template from the dashboard shroud.



Take the carbon panel kit (with buttons and indicators mounted to it, but no DASH2 PRO). Slide this into the dashboard shroud. Press down the internal lip of the shroud and feed it into the curved slot in the carbon panel.



Press the carbon panel down firmly into the shroud, ensuring that the top of the carbon panel is touching the inside of the shroud. Included with the kit are 4 x 40mm long aluminium spacers. Squeeze two of these down, and position them for the deepest two panel mounting holes. (Note: these spacers are intended to be tight and with these two in position the panel should hold loosely in place).

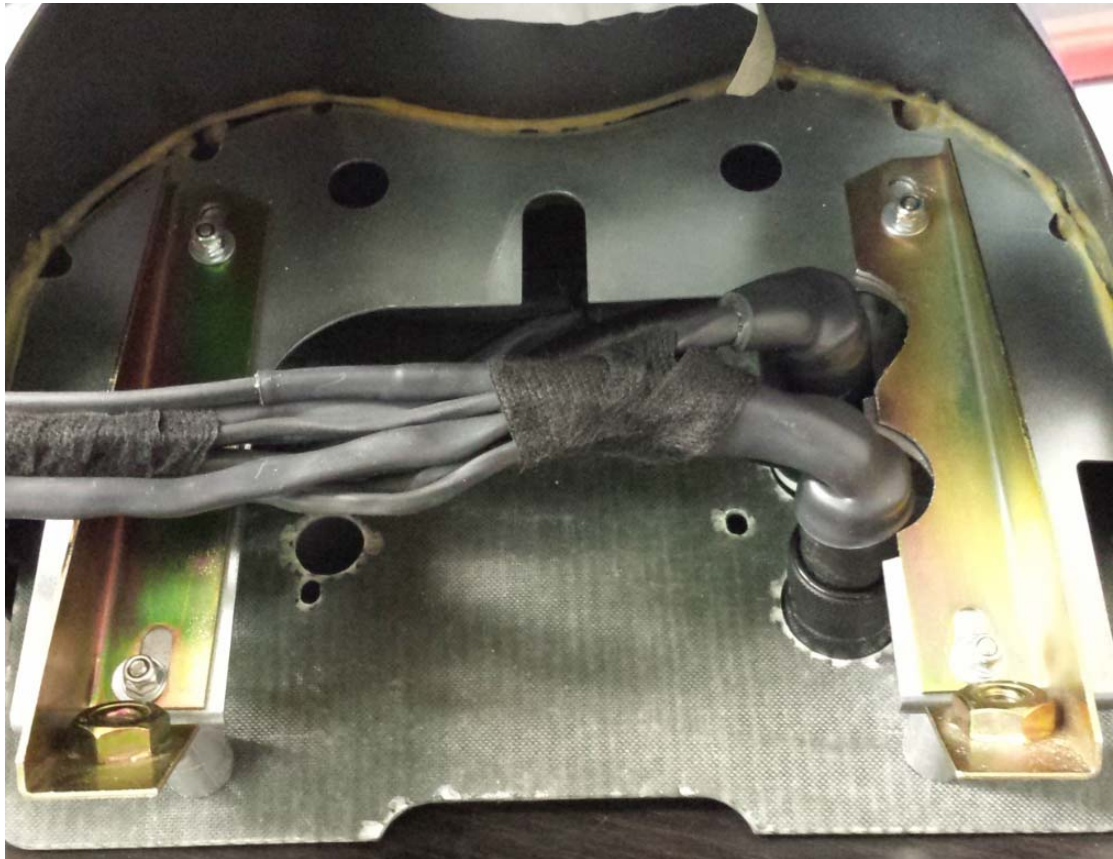


Feed through the M3 x 50 countersunk bolts. With the countersunk head on the panel, put the dashboard shroud mounting brackets behind (aligning the previously cut holes). Place a washer and nut over and loosely tighten.

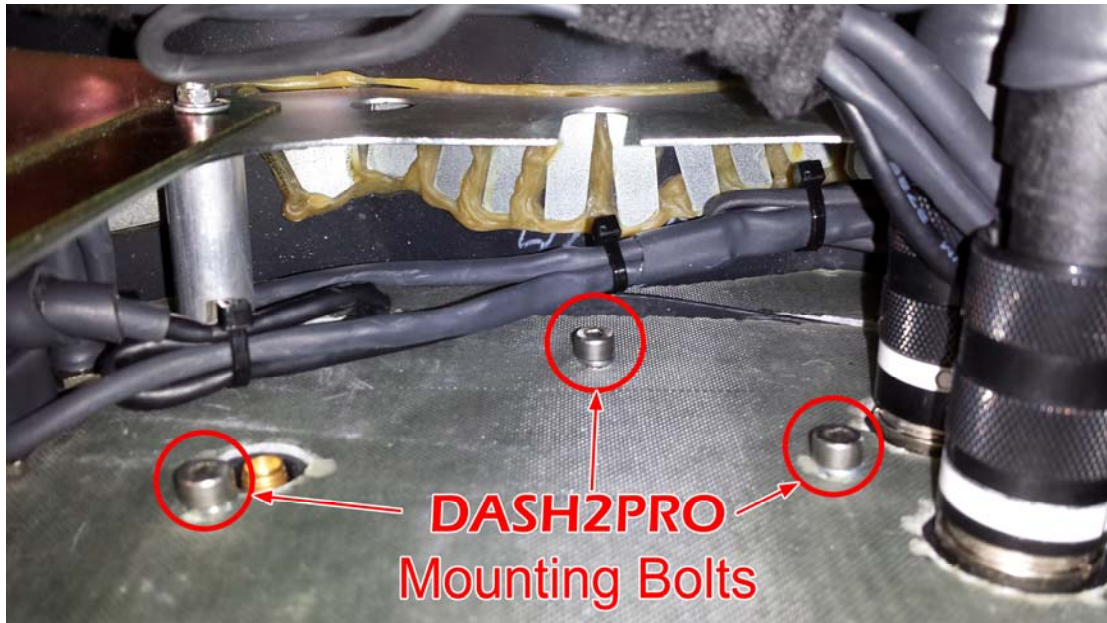


Fit the remaining 2 countersunk bolts and 40mm long aluminium spacers into place at the bottom of the shroud bracket, tighten loosely.

Press the carbon panel firmly into the dashboard shroud (also push the brackets down), sliding the nuts and spacers down as low as possible as the nuts are tightened into place. Do both sides. The panel should stay within a couple of mm of the shroud when the pressure is released. If it is more than a couple of mm then redo until the fit is correct. If this gap is too large then the dashboard will not fit into the car properly and gaps will be present between the upper and lower dashboard shrouds.



Bolt the DASH2 PRO to the front of the carbon panel, pressing the unit deep into the shroud so that the top of the unit (with the shift lights at the top) presses against the shroud section that slots through the carbon panel.



Tighten firmly into place before removing pressure.

**Note: Before refitting the dash read the following sections on fitting the oil pressure sensor, GoPro control cable, and GPS antenna. Ensure all required connections are fitted to the DASH2 PRO loom before completing the fitting.**

Connect the GPS antenna, the 6 way DTM connector (oil pressure sensor and optional GoPro cable) and the two large connectors.

- Connect the DASH2 PRO loom to the existing vehicle connections. Connect the matching connector on the DASH2PRO loom to the connector removed from the old dash/instruments.

Refit the plastic trim on top of the steering column, but do not screw into place yet.

Slot the back of the dashboard upper shroud into the clip at the back of the dashboard opening, lower it down at the front and refit the two 10mm hex head bolts to secure the shroud and dash.

Refit the lower plastic shroud around the steering column (remembering to reconnect the trip reset button – which will now reset the trip on the DASH2 PRO).

Screw everything into place firmly and ensure the fit is tight between the upper and lower dash shrouds.

## Oil Pressure

The kit is supplied with an Oil Pressure Sensor to replace the original oil pressure switch. This will give the DASH2 PRO an accurate reading of pressure rather than a switch that only indicates no oil pressure.

Raise the car up and remove the floor panel to gain access to the rear of the engine. The oil pressure switch is located just above the oil filter.





Remove the oil pressure switch and insert the oil pressure sensor. Check oil level once exchanged if much oil is lost.

Once fitted cable tie the old oil pressure switch connector to the new oil pressure sensor.

Then route the cable down and along the gear linkage, cable tying where possible.





Unscrew and lift up the centre console (remove the handbrake cover by loosening the grub screw) and pull through the cable.



Thread the cable through the same holes and clips as the other wiring.

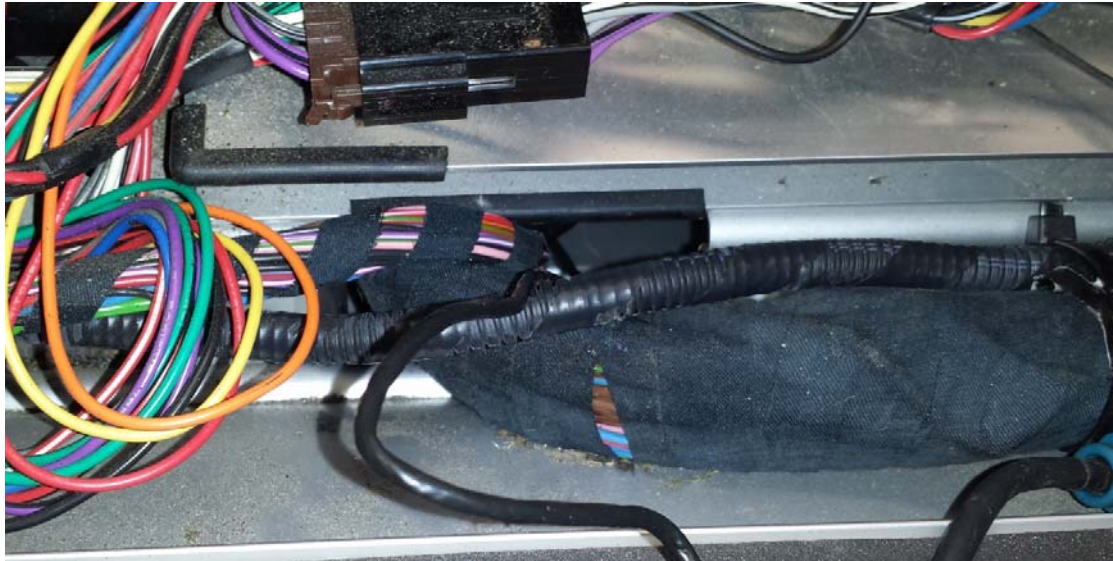




Now thread the cable through the centre console, following the existing cables/loom and cable tie where necessary.



The original loom goes to behind the DASH2 PRO via a hole underneath the CD player. Remove the CD player and push the wire through the rubber seal.



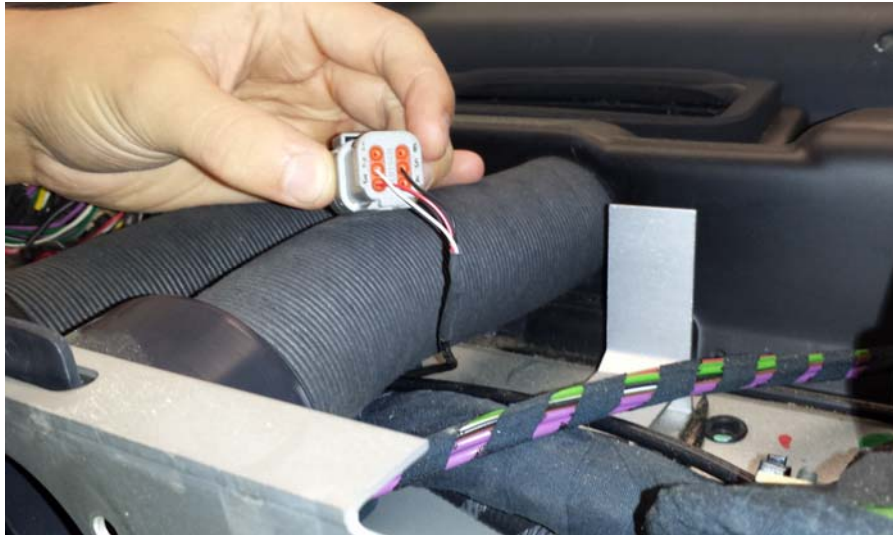
Once cable length needed is determined, cable tie where necessary between the centre console and the DASH2 PRO.



Thread the wire underneath the air vent tubes and insert the pins into the connector.

- 2 – White
- 3 – Red
- 5 - Black





## **GoPro**

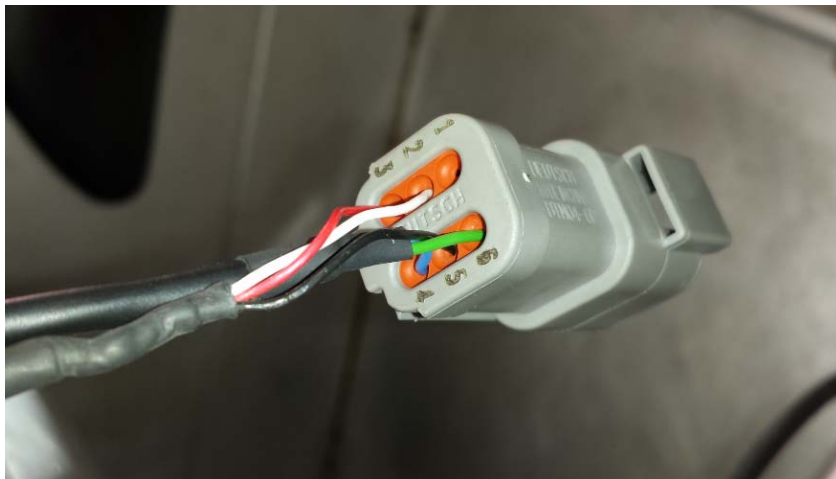
If you use a GoPro it is possible to connect to the DASH2 PRO. The DASH2 PRO will start and stop the GoPro logging to allow the video to be synchronized with the data from the DASH2 PRO.

### **Step 1**

Insert the wires into the same Deutsch 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. Or the Hero3 "The Frame" mount can be used without modification.



For further instructions refer to our online help for GoPro

## **GPS Antenna**

We recommend the GPS antenna is mounted on the highest point of the car. We understand 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 engines 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