



### 2002-2006 Rear Round Light Conversion



LEA LED / PANEL KIT

To bring your Esprit into the 21st century, this conversion is the 2002-2006 Bulb/LED round light which became standard on the last of the Esprits and gives a more modern look. This guide took 8 hours however it but does not included painting the panel

Following parts required	Following tools recommended
Rear GRP panel (provided in the KIT)	Rotary tool
Set of 4 round lights bulbs or LED's conversion (provided in the KIT)	Drill with 10mm/6mm bits
Wiring loom (provided in the KIT)	Socket set with various sockets
Resistor for vehicles using the LED conversion and Delco-Moraine ABS System (Optional)	Phillips screwdriver
8 pin wiring loom Connector (Optional)	Carpet glue
	Soldering Iron
	Wiring Diagram(provided in the KIT)

1. Remove the rear licence plate holder by removing 4 countersunk screws which can be accessed in the boot. Use a Phillips screw driver to undo these and your licence plate holder will come off. You may have to remove part of the carpet which is glued on the back panel to access this area.

2. Locate the taillight wiring loom 9 pin connector and disconnect the loom. Remove the rear lights, to access these you need to remove the two wing nuts that hold the cover which masks the rear of the light. There are 8 nuts to undo on each light which hold the light in place, these are 10mm socket size.



3. Using a rotary tool kit with a 32mm cut-off wheel, start to score a line to inside of lip above bumper. The holes are approximately 125mm. See diagram above of the area to be removed.

4. Make sure the panel will clear all round, you now need to drill the mounting holes. Marked where the 4 holes where to be drilled with 10mm or 6mm holes.

5. Always test fit your rear panel in position before adjusting the holes.

6. Now take the back panel off as its ready to paint. Our panel was done by our Local authorised body repairer PERFECTION PANELS for best results.

7. Once the Panel is dry and able to handle, you are ready to fit. Carefully offer the panel up to your car and make sure the bolts pass through the holes in the bodywork. Temporary put a nut on each side, then the second nut on each side. Stand back and check for alignment. Adjust if necessary, then start to tighten the nuts up.

8. Fix each light unit and secure with the nuts supplied from the KIT.

9. You have a choice of using the original Lotus connector by cutting the loom away and resoldering the new look to the connector. On the other hand you can remove the Lotus connector and replace it with an 8 pin aftermarket connector as we did in our project car.

Note: the 9<sup>th</sup> pin wire is not used on the LED wiring upgrade which used to switch the rear fog lights from the consol however this now can be used to open a light in the rear compartment if required.



Picture showing the position of the resistor and the 8 pin connector for reference

10. Follow the supplied wiring diagram which comes with the kit to connect the new wiring loom to the rest of the existing loom we advise to solder and crimp all new connections.

11. The LED kit will does not use the fog lights so no need to connect them to the wiring loom. However you can use this switch as a engine bay light which you can install at a later day since the loom provides this connection.

12. If the LED kit is used for the upgrade, you may also install as per the diagram provided with a kit a resistor in parallel to the circuit which tricks the ABS system thinking that it still has the bulbs and you won't see an false ABS light error on the display as some early Esprit's experience.

Once you have this achieved you should be good to go with a new look.



PS: There is also a small upgrade to bring the brightness on the LED's down but for our projected we left them at the maximum brightness.

For more information contact Lotus Esprit Australia on [info@lotusesprit.com.au](mailto:info@lotusesprit.com.au)