

Instructions for replacing blown globes in the Air-conditioning control unit (with LEDs) the same process can be used for other areas provided the voltage is measured. This one is not for the faint hearted.

Note: These instructions are intended for people with automotive and electronics experience.

1. Remove the unit from the car.

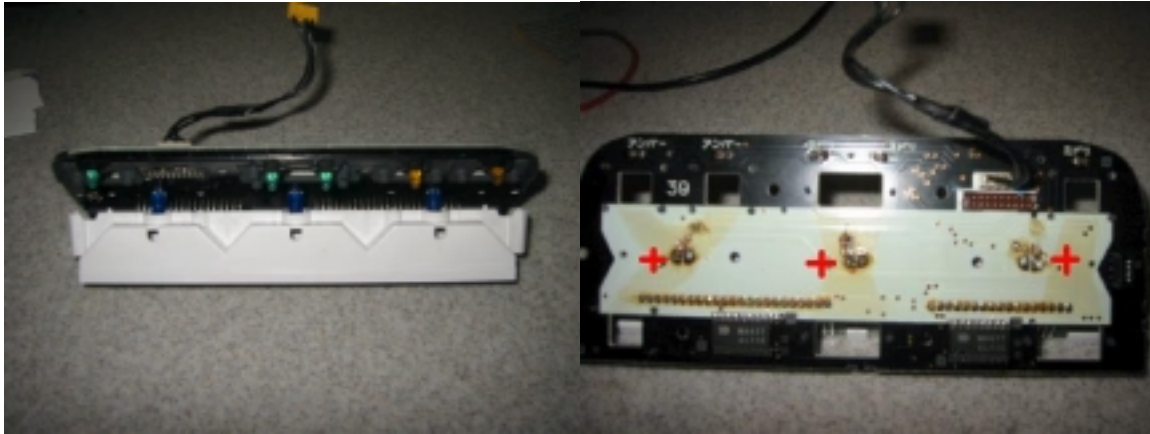


2. Remove the front section, which is held in place with 2 screws and 6 clips.
3. Disconnect wiring connectors.
4. Unscrew the Button Illumination section (White plastic Light Guide and Globes), held in by 4 screws.
5. Remove the liquid crystal display board by unclipping at each end and pulling outwards.



6. Obtain 3 Ultra Blue LEDs (JAYCAR part no ZD1998) and grind down the front face, this helps to disperse the light because you will get uneven illumination from a standard LED. I also covered the LEDs with NARVA Blue silicone sleeves (REPCO part no 49944BL) to give more even illumination and a darker blue colour.

7. Unscrew the white plastic Liquid Crystal Display (LCD) Mount/Light Guide and bend the LCD legs so that the display is out of the way. Do not flex the LCD because it is easily cracked.



8. Replace the original globes with the LEDs making sure that the polarity is correct the above picture shows the polarity.
9. The positive track needs to be cut and a voltage-dropping resistor installed. I measured 7.3V this requires 185ohms use preferred value 180ohms.
10. After installation of the resistor measure the resistance to make sure the track has been cut correctly and the resistor value is right.
11. You can also replace the three Globes used to illuminate the Buttons using the same LEDs the only difference is you need about 560ohms because these run on 12V.
12. For the hell of it I changed the Green indicator LEDs to Red as well using 3mm 10mcd LEDs.
13. Reassemble in the reverse order.



Looks Good Doesn't It! Nice and Blue.