

## Porsche 964/993 Console LED kit

### Kit contents

#### Porsche 993 and 964 C2 kit version:

- 3 pcs 3mm red LEDs
- 3 pcs 3mm green LEDs
- 2 pcs 470 Ohm 0,6W resistors

#### Porsche 964 C4 kit version:

- 4 pcs 3mm red LEDs
- 2 pcs 3mm green LEDs
- 2 pcs 470 Ohm 0,6W resistors

### Lights out!

The Porsche 964 and 993 centre console is equipped with several switches as well as backlit symbols over them. The light bulbs are prone to failure. These bulbs are 12V 1.4W, and Porsche does not have these as spare parts, and the complete PCB's are ridiculously expensive. New bulbs must be soldered on the PCB's, and this kit enables you to change them into LED's with significantly longer life expectancy.

### Console disassembly

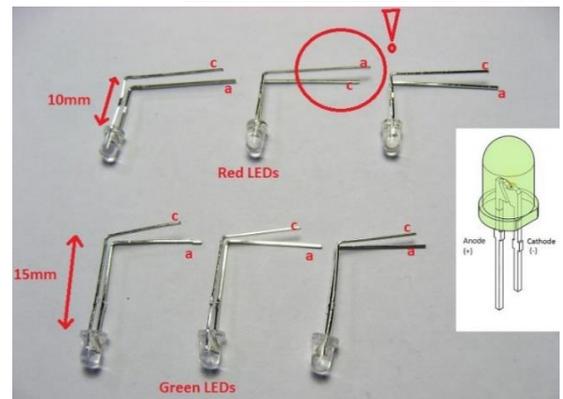
Pull the plastic frames out of the console and remove the PCB's by depressing the white snap locks in each end of the PCB. Remove the old light bulbs from both PCB's.

### C2 kit LED preparation

LEDs need to be mounted with the correct polarity on the PCB in order to work.

Identify the LED legs. One is cathode (short leg), and the other is the anode.

Bend the red LED legs 90° from the LED housing. Be sure to bend one of the LEDs the other way around compared to the two others. Bend the green LED legs 15mm from the LED housing. All three green LEDs are all bent the same way. See picture for details.



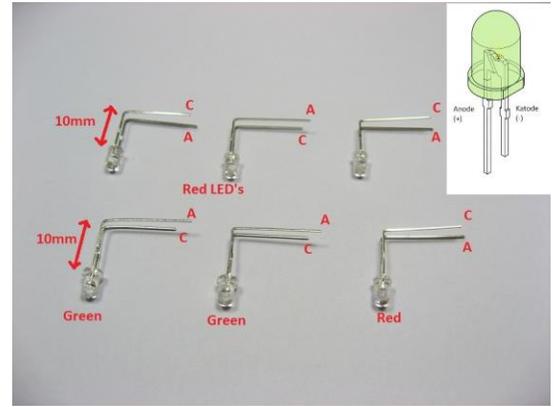
## 964 C4 LED preparation

The lower bulb PCB in the Carrera 4 is different from the 993/964 Carrera 2 version, and contains two green LED's and one red LED.

Identify the LED legs. One is cathode (short leg), and the other is the anode.

Bend the red LED legs 90° and 10mm from the LED housing. Be sure to bend one of the LEDs the other way around compared to the three others.

Bend the green LED legs 10mm from the LED housing. Both green LEDs are all bent the same way. See picture for details.



## C2 PCB preparation

**Important:** A PCB track must be cut on both PCB's in order to get the series resistor to work. Use a sharp knife to cut away a small part of the copper track. See the red arrows in the picture.

**The copper track must be completely cut off,** (not just the green protective layer) or you will be feeding 12V to the LEDs and damage them instantly.

You also have to scrape off some of the lacquer insulation on the lower PCB in order to be able to solder the resistor.

See the picture for details on where to cut and scrape.

Not all cars are equipped with three lamps in both PCB's. (depending on the switch configuration on the centre console: sun roof/cabrio etc.) However, the chosen resistor handles both two and three LEDs.

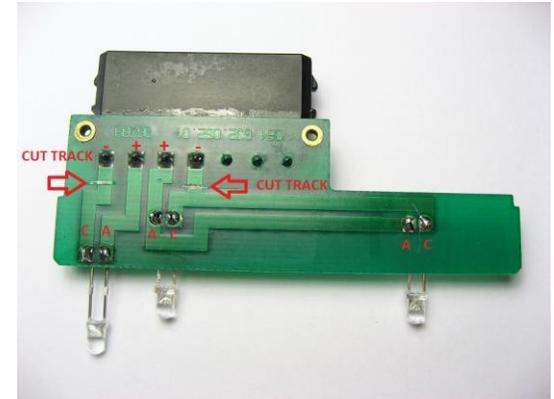
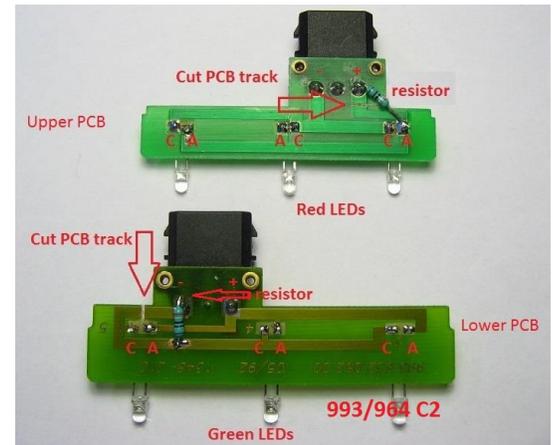
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## 964 C2 PCB preparation

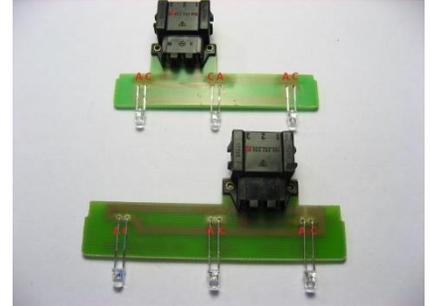
Some 964 Carrera have the spoiler control switch only. See picture for cutting and mounting information.



## Parts assembly

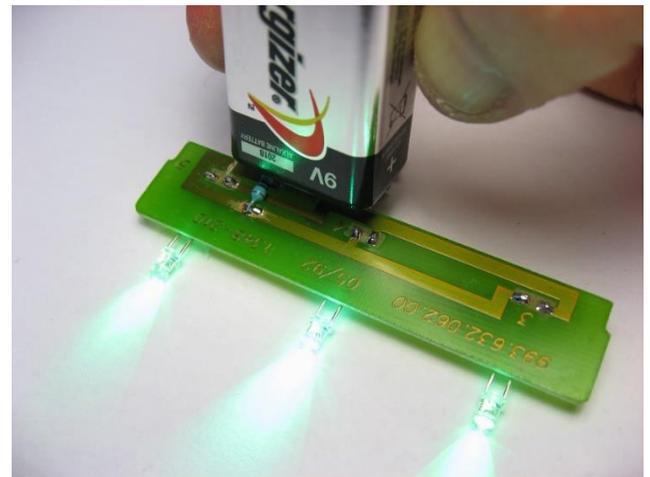
Solder the resistors as shown. **Their position is important.** If they are not placed in these positions, they will cause problems when fitting the PCB into their plastic holders in the centre console.

Solder the LEDs, and observe the anode and cathode polarity. See the pictures.



## Testing

Use a 9V battery to test the LED's by pressing the battery against the connector solder points. See the polarity noted by the power connector in the pictures above.



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