

Smart Ballast for LED brake lights

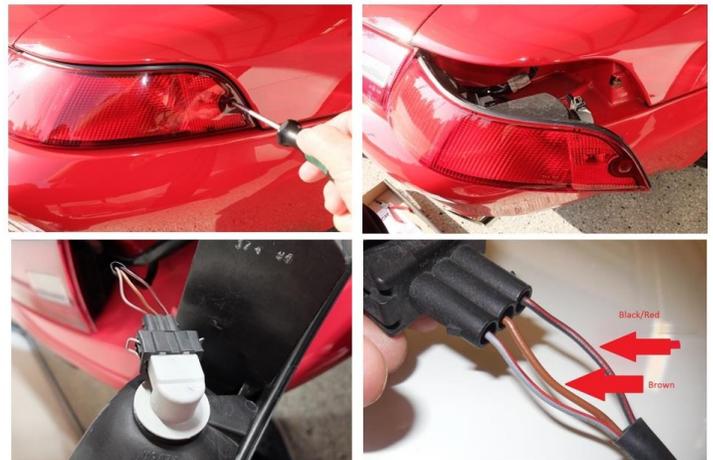
The **Bergvill F/X** LED Smart Ballast is a circuit that allows for problem-free use of LED brake bulbs in Porsche sports cars fitted with a Cruise Control unit. LED bulbs use considerably less current than normal incandescent bulbs. The reduced current load on the brake light circuit is detected as a fault by the Cruise Control unit, and it will not allow engaging of cruise function. The Smart Ballast will simulate the normal incandescent bulb current load, but without wasting energy or the need for bulky or very hot ballast resistors. Cars without Cruise Control does not need this circuit.

Kit contents

- 1 pcs Smart Ballast
- 3 pcs Scotchlok UB2A wire splices (blue)
- 1 pcs nylon strips

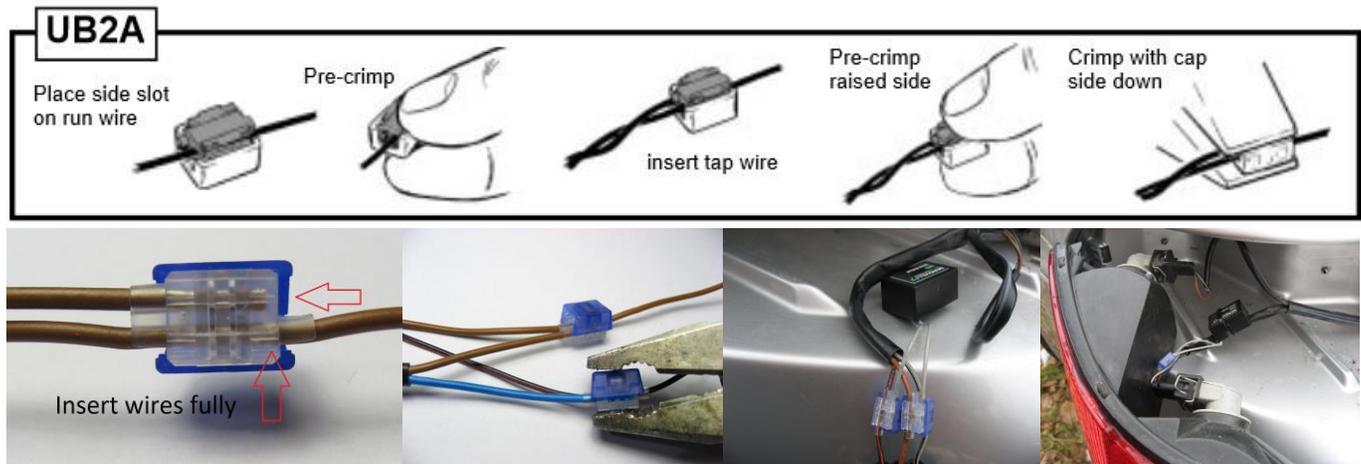
Rear light disassembly

Remove one of the rear light enclosures by removing the fastening screw. This will allow access to the wire harness to the combined rear/brake light bulb, it is equipped with three wires. (the turn signal bulb has two wires, this is NOT where to connect)



Connection

Use the supplied Scotchlok splices to connect to the brake light circuit. Connect any of the two grey ballast wires to the **Brown** (GND) and **Black/Red** (brake light) wires. Insert the wires **fully** in the splice as shown, use a flat screwdriver to press the car wire into the slot to fully seated. Precrimp for each wire to hold it in place before full crimping. Use a large plier to squeeze the splice, the blue cap shall be flush with the bottom of the splice after a full crimp. Some of the silicone sealant squirts out when fully pressed. Fix the Smart Ballast to the wire harness with the nylon tie wrap as shown below.



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