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1970-1980 MGB LED Installation Instructions

Part #1-045, 1-053, 1-068

- Refer to the parts list at the last page of these instructions and verify that the set is complete.

Note: We recommend that the tail light functions be verified to operate correctly before installing the LEDs. If possible, measure the voltage levels for the running and brake lights at the tail lights. They should be within a few 10ths of a volt compared to the battery voltage. If not, you may have wiring issues that should be addressed.

1. **Refer to the set contents below to verify that the set is complete.**
Typical install time: Roadster takes about 1 to 1 1/2 hours, GT may take some additional time.
2. **We suggest that you evaluate the condition of the tail light lens gaskets and if necessary, order new ones before starting installation. Here are the Moss Motors part numbers. Pad Lens Mount (2ea.): # 164-883**
3. **Start with the right side tail light assembly. Remove the tail light lens and both bulbs.**
Open the trunk and disconnect the tail light wiring from the wire harness. *Note: The wiring harness is held to the tail light frame by a small clip. Undoing the clip from the frame give much easier access to the wiring.* Next remove the rubber covers holding the tail light wires. Pull the wires out the front of the tail light housing. A small amount of WD-40 will help get the rubber covers over the wire ends. Save these units in case you ever want to restore the tail lights to original condition.
Note: There can be a problem with the original bullet connectors crumbling when pulled apart. You can buy them from Moss Motors or other British parts suppliers.

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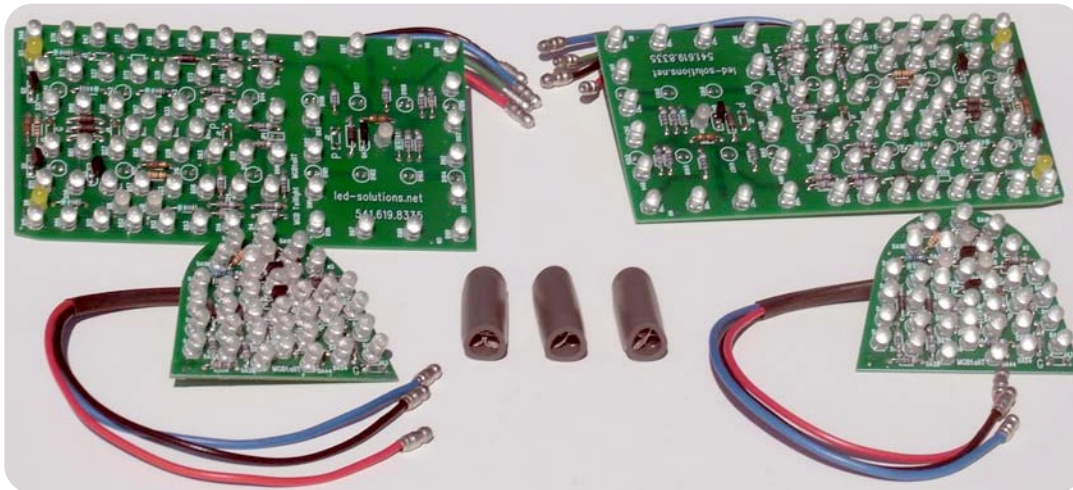
4. Replace the *double* connector for the red parking light wires with the supplied triple connector. The double connector will be used on the left tail light setup.
5. The stock tail light bulb circuits are grounded through the tail light frame to the body.
The new LED tail light *grounds* are wired directly to the wiring harness which is grounded at a common point in the trunk. *Note: Verify that the common ground connection is clean and tight.* Replace the ground circuit double connector with the next supplied triple connector. This will also be done on the left side tail light installation. Refer to the installation wiring diagram (Fig.1).
6. Take the wires of the top circuit board and feed them through the top bulb holder. Pull the wires so that the *board* is against the bulb reflector. Apply a bead of Silicon along the board's base and a couple of spots across the top. Some tape or a rubber band can be used to hold the board in place while the Silicon dries.
7. Take the bottom circuit board and insert it into the tail light lens. Push the bottom of the board against the *front* of the lens. Refer to the installation drawing (Fig. 2). Then push the top of the board into the lens. Apply a bead of Silicon rubber at the base of the board. Then apply a spot of Silicon at top corners of the board. This step is not necessary, but is recommended.
8. Repeat the *above* process for the left side tail light assembly and follow the wiring diagram.
9. When the Silicon is dry connect the LED wiring to the car's wire harness as defined in the electrical diagram below (Fig 1).
10. These LED tail light turn signals usually require an electronic flasher unit to work properly and are available at auto parts store. Make sure the electronic flasher has the some number of connectors as the original unit. Here is a list of suggested 2 pin flasher units:

CEC Industries EF32.

Bussmann 232.

This part numbers can be used for cross-referencing to other manufactures.

Description		QTY
1	Triple bullet wire connector, or similar	3
2	Top brake and parking light circuit board	2
3	Bottom park, brake light and turn signal circuit board	2
4	Installation and wiring diagram	1



1970 – 1980 MGB Tail Light Wiring

Replace double connector with supplied triple connector.
Move double connector to left side brake.

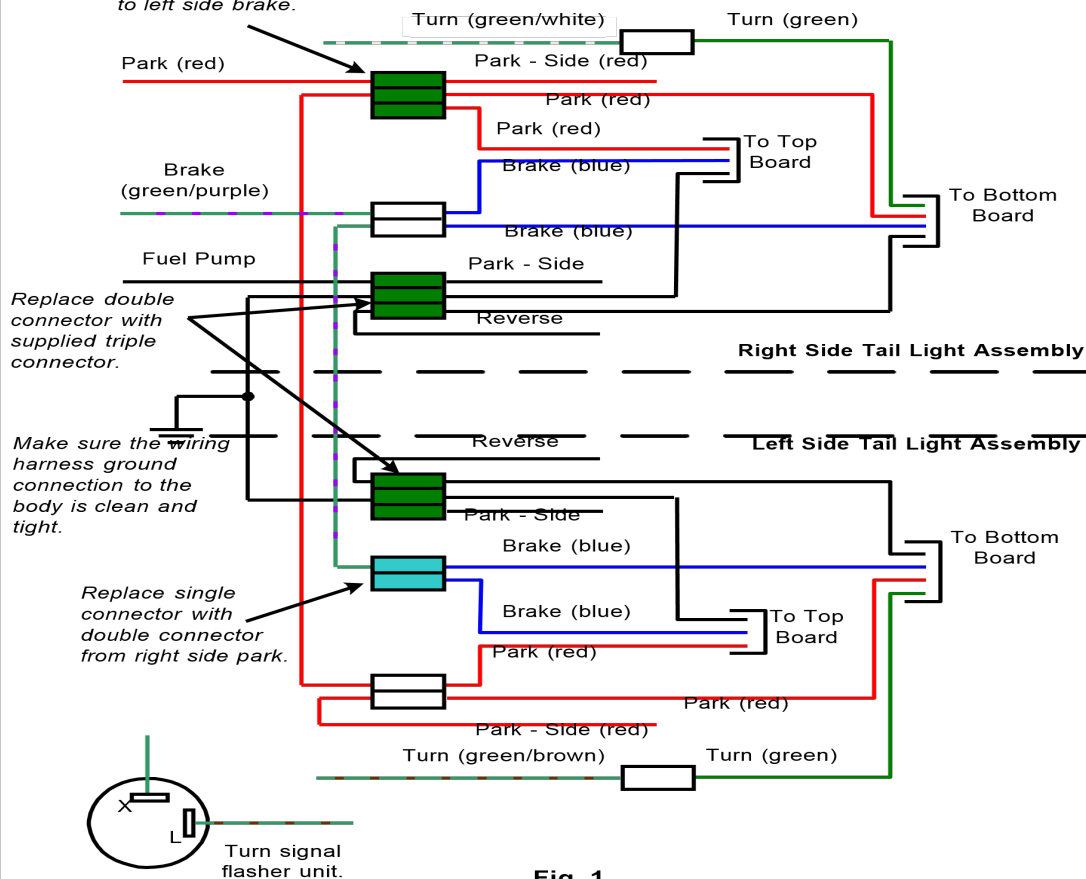


Fig. 1

1970 – 1980 MGB Tail Light

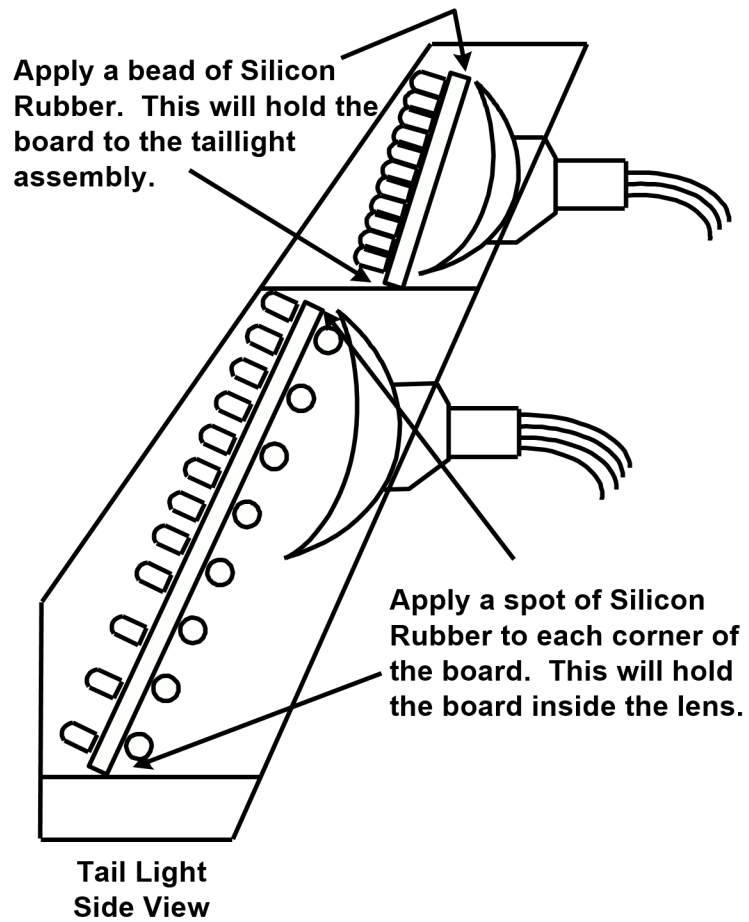


Fig. 2