Fog Light Harness Installation Instructions For Toyota Land Cruiser FJ40

City Racer LLC

Time Estimate: 1 hour

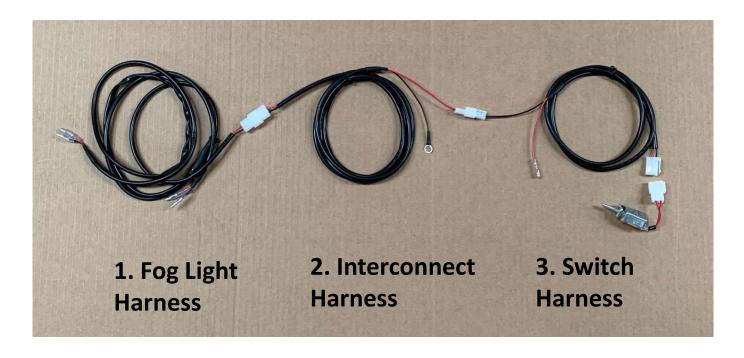
Introduction

- Disconnect the battery before starting work.
- Don't be in a hurry to secure wires until everything has been routed, hooked up, and tested.

Harness Layout

The complete harness consists of 3 segments:

- 1. Fog Light Harness Plugs into the 2 fog lights. Routes from the bumper into the engine compartment.
- 2. Interconnect Harness Serves as a bridge between 1 and 3. Passes through the firewall into the cabin, and grounds at the fuse box.
- 3. Switch Harness Routes behind the dash between the fuse box and the fog light switch.



Harness Connection Points

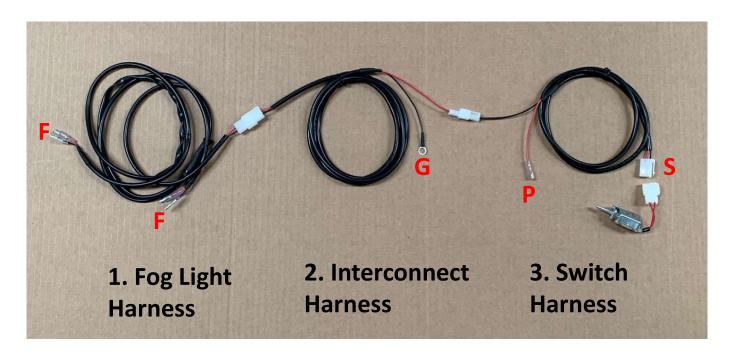
F: Plug into fog light terminals.

G: Ground. Place the ring connector under one of the fuse box mounting bolts.

P: Power. Tap into a 20 or 15 amp fuse in the fuse box that's always "hot".

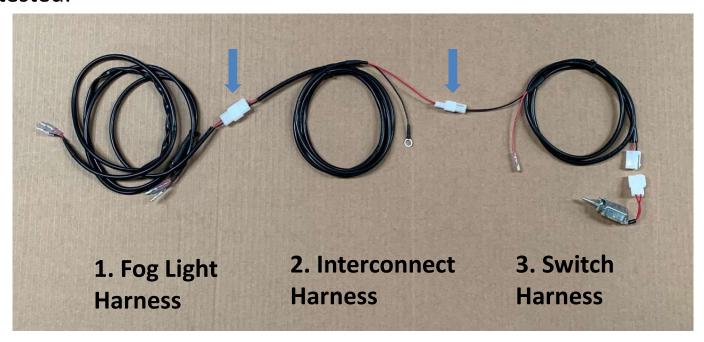
S: Plug into the fog light switch (not included).

Refer to the Appendix section for additional details.



Installation Tips

- During installation, the 3 harness segments can be unplugged (at the blue arrows), routed separately, and then reconnected.
- Route the interconnect harness along the driver side of the engine compartment, and have it enter the cabin through one of the firewall grommets or hole in the firewall, toward the fuse box.
- Secure the harness with the supplied zip ties once everything has been routed and tested.



Installation Tips

- Fog light switch should be mounted on the dash. Remove one of the small accessory hole plugs on the dash and use it for the fog light switch.
- Remove the ashtray for easier access behind the dash.
- When routing the switch harness between the fog light switch and the fuse box, ensure it doesn't interfere with the brake and clutch pedals when passing under the dash.



Appendix

Connection Point F



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Connection Point G

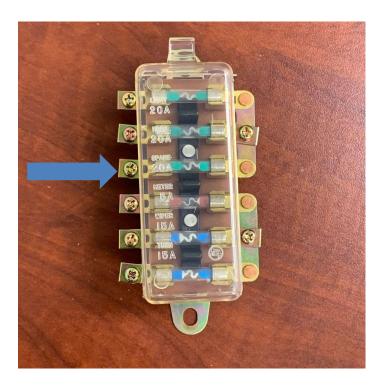
Both the ring connector from the vehicle's main harness and the one from the fog light Interconnect harness must be grounded here.

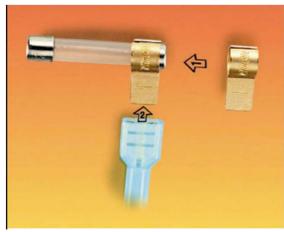


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Connection Point P – '71 and Earlier Cars

Tap into the 20 amp "Spare" fuse using the supplied fuse tap. If the connection at the terminal feels loose, crimp it lightly with pliers. Alternatively, make connection at the screw.

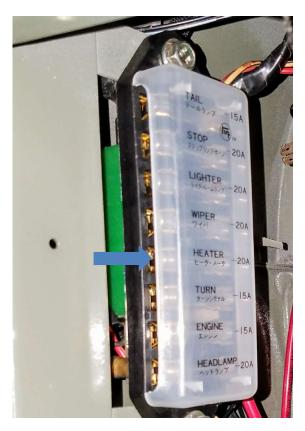






Connection Point P - '72 to '78 Cars

Tap into the heater fuse (which is always "hot"). Remove the top and bottom mounting bolts of the fuse box to gain access to the back side of the fuse. Behind the heater fuse there should be a secondary lead. Peel back the heat shrink if present. Plug terminal P from the Switch Harness into this lead. If the connection at the terminal feels loose, crimp it lightly with pliers.





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Connection Point P – '79 and Later Cars

As with '72 to '78 cars, you want to tap into the heater fuse (which is always "hot"). Unfortunately, from '79 onward the fuse box doesn't have an existing secondary lead on the back that can be readily tapped into. Therefore, you have to install the supplied fuse tap on the fuse and then plug terminal P from the Switch Harness onto it. If the connection at the terminal feels loose, crimp it lightly with pliers.



Harness Entering Into Cabin

Interconnect harness can enter the cabin through one of the firewall grommets or holes in the firewall



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Mounting the Fog Lights

Fog lights should be mounted on fog light brackets. Brackets should be bolted onto the bumper using carriage bolts. Carriage bolts are readily available in hardware stores.

