

OE Fit Fog Light Kit Instructions: TAV-313 2013~ Toyota Avalon

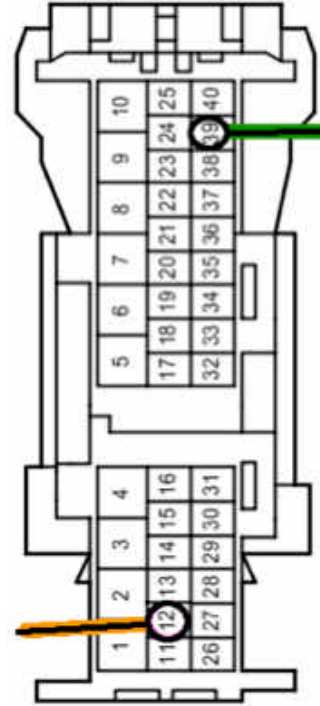
HALOGEN FOG LAMP KIT

1. Disconnect the negative battery cable.
2. Connect RED fog lamp harness power lead ring terminal to the battery +12v accessory bolt
3. Route the fog light wire harness along the driver side from the battery towards the bulkhead of the vehicle
4. Route wires through bulkhead grommet to inside of vehicle. Seal hole with RTV silicone.
5. Remove driver's side dash panel. Disengage with nylon trim panel fork tool and remove.
6. Disconnect the hood release cable.
7. Remove the center panel below a/c control (picture 1).

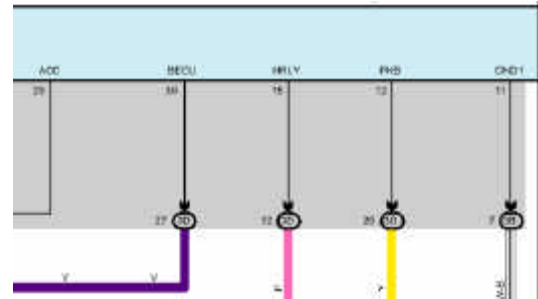


Picture 1

8. Remove lower left switch panel by removing bolt, clips and a screw
9. Locate the wires that were pushed through the bulkhead grommet (above the gas pedal).
10. Connect the interior fog light wire harness to the bullet connectors that were pushed through the bulkhead grommet. Then route the interior fog light harness along the factory ignition harness on the steering column.
11. Locate *Connector 3D* [left of steering wheel at the main junction block].
12. Install BLACK T-tap to the *white wire, pin 39, block 3D*. Connect Green/Black high beam trigger wire (pictures 2-5) to t-tap.
13. Install a BLACK T-Tap to the *pink wire, pin 12, 3D*. Connect Orange/Black low beam trigger wire from fog light harness (pictures 2-5).

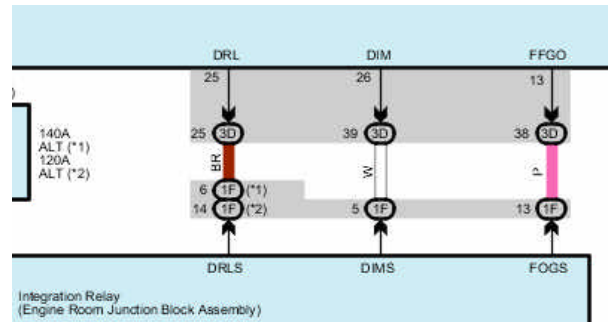


Picture 2: Connector 3D



Picture 3

Connector 3D, pin 12, pink wire = Headlight dim circuit.
Black t-tap on pink wire >> Orange-Black wire.

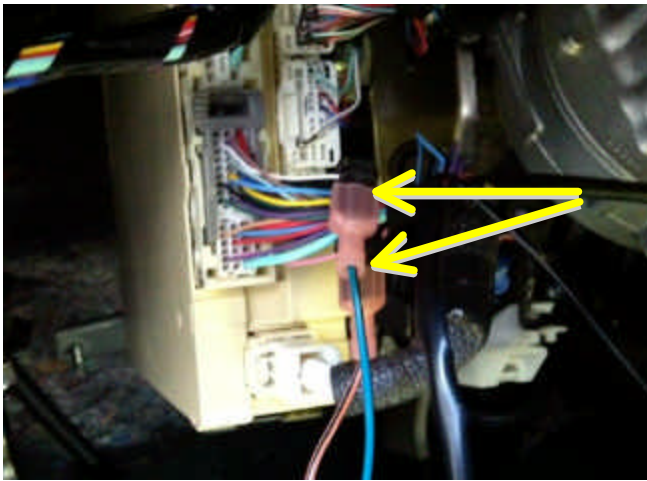


Picture 4

Connector 3D, pin 39, white wire = Headlight relay circuit wire
Black t-tap on white wire >> Green-Black wire.

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Picture 5

14. Secure excess wire. Leave enough loose wire to attach the switch to green connector.
15. Remove dash switch plug from switch panel. Connect the switch to wire harness. Install fog light switch into dash (picture 6)..



Picture 6

16. Reinstall all panels and connectors inside vehicle.
17. In the hood area, driver side of vehicle, route the fog light wire harness to reach the driver side fog light area.
18. From under the car, remove lower splash shield.
19. Secure the black ring terminal of the fog light harness to the factory ground 10mm bolt.
20. Secure the relay to the battery cable with wire ties.
21. Remove factory fog light covers,
22. Install both fog lights into bumper.

23. Run passenger side of wire harness under the lower splash shield and secure with wire ties as needed.
24. Plug in passenger fog light into harness plug and secure with wire ties
25. Connect passenger side fog light to wire harness and secure with wire ties.
26. Snap and screw on both fog light bezels (picture 7).



Picture 7

Installed Fog Lamp with Chrome Bezel

27. Reattach the lower splash shields.
28. Reconnect negative battery terminal.
29. TEST fog light operation. Fog lamps function only while low beams are on, and will not illuminate while high beams are on (NHTSA spec)

IMPORTANT NOTE: This kit is wired for Negative pin trigger on both relays. Orange/Black & Green/Black signal wires should NOT connect to +12V or you may damage the relays and harness. Use Multi-Meter, NOT a Test Light to verify wiring.

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