

Part Number: TCO-DRL



Kit Contents

Item #	Quantity Req.	Description
1	2	DRL's bezels w/LED DRL
2	1	Driver Box
3	1	Harness bag
4	1	User's card
5	1	Switch

Hardware Bag Contents

Item #	Quantity Req.	Description
1	1	Hood Wire Harness
2	1	Cabin Wire Harness
3	21	Wire ties
4	2	T-Taps
5	1	15" wire tie
6	1	Relay

Service Parts

Item	Part number
DRL Housing LH	TCO-LED-LL
DRL Housing RH	TCO-LED-RL
Switch	TCA-712SE-SW
Wire Harness	TTA-712-WH
Driver Box	TCA-DRL-DB

General Applicability

All models

Conflicts

-

Recommended Tools

Safety Tools	
Safety Glasses	
Protective tape	
Electrical Tape	
Installation Tools	
10mm Wrench	
Phillips Screw Driver	
Pliers	
Panel Tool Removal	
Side Cutters	
Torque Wrench	
Special Chemicals	
3M Silicon Sealant	

Mandatory

Legend

	STOP: Damage to the vehicle may occur. Do not proceed until process has been complied with.
	OPERATOR SAFETY: Use caution to avoid risk of injury
	CRITICAL PROCESS: Proceed with caution to ensure a quality installation. These points will be audited on a completed vehicle installation
	TOOLS & EQUIPMENT: This calls out the specific tools and equipment required for this process
	REVISION MARK: This mark highlights a change in installation with respect to previous issue.

SPECIAL NOTE:

After **Auer Automotive Safety** mandated preparatory steps have been taken, the installation sequence is the suggested method for completing the accessory installation. In some instances the suggested sequence is written for one associate to install and in others the sequence is given as part of a team accessory installation. Unless otherwise stated in the document, the associates may perform the installation steps in any order to make the installation as efficient as possible while maintaining consistent quality. Also some items listed to be removed may not need to be removed if caution is taken to not damage vehicle.

Care must be taken when installing this accessory to ensure damage does not occur to the vehicle. The installation of this accessory should follow approved guidelines to ensure quality installation.

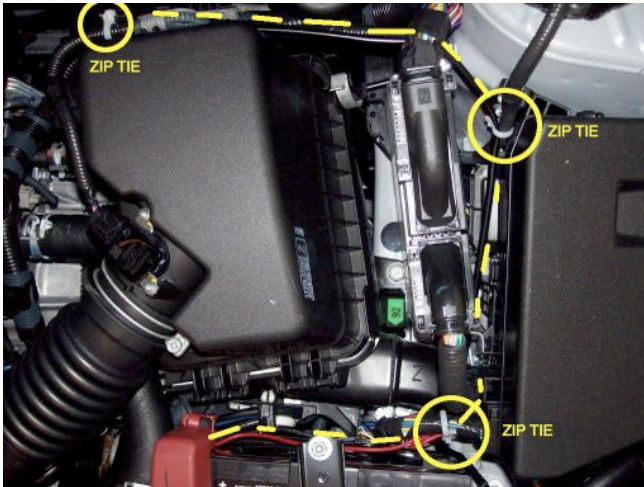
Preparation



Remove negative battery cable

Installation

1. From front of vehicle, route wires to large vehicle grommet and secure with 3 wire ties (picture 1, 1A, 1B)



Picture 1



Picture 1A



Picture 1B

2. Locate the large vehicle harness grommet on the left side. If accessible, cut the auxiliary wiring access nipple off the grommet or cut 1/4" slit in grommet. Push the red, black, red-white and black/white wires through firewall. Note: Extra caution should be taken not to damage the connectors. Seal with 3M Silicone sealant

Vehicle Disassembly

3. Remove left side switch panel by disengaging clips. Remove connector plugs (picture 2)



Picture 2

4. Remove dash plug then mount switch into switch knockout on left side of dash (see picture 2A)



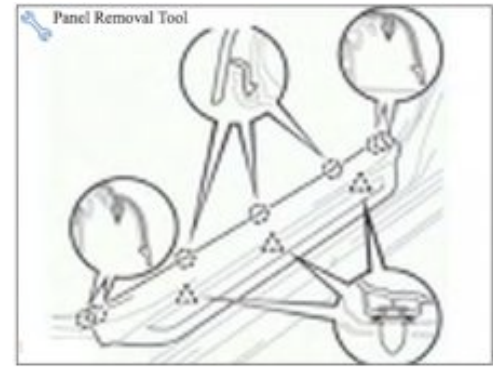
Picture 2A

5. Remove lower knee finish panel by removing 2 Phillip screws. Disengage 2 clips and disconnect tire pressure reset plug (picture 3)



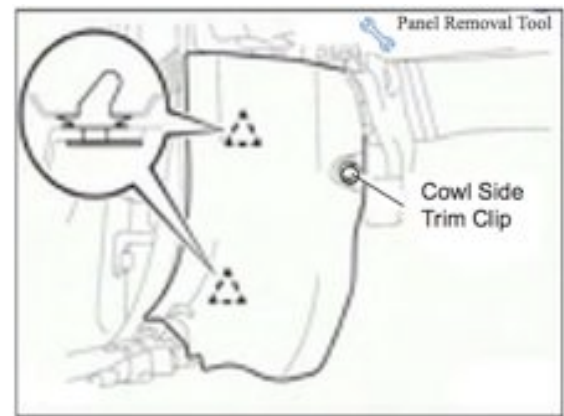
Picture 3

6. Remove driver side door scuff plate
 - a. Disengage with panel tool and remove (picture 4)



Picture 4

7. Remove the driver side cowl side trim (see picture 5)
 - a. Unscrew the cowl side trim clip
 - b. Disengage two (2) clips and remove the cowl side trim



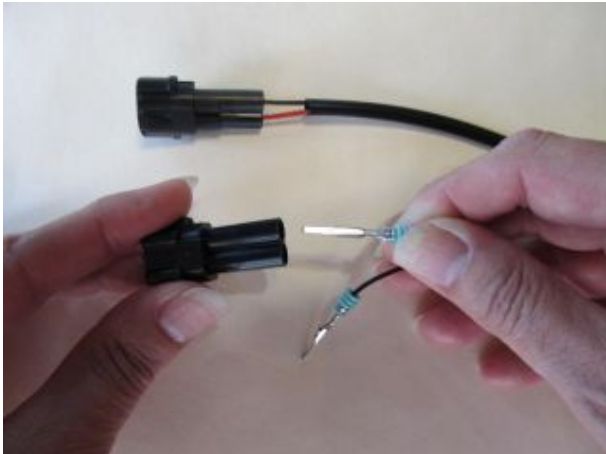
Picture 5

8. From inside the cabin, locate the wires that were pushed through in step 2. It will be the grommet above the gas pedal (picture 6)



Picture 6

9. Push the pins into the connector supplied in kit. Make sure that the wire colors of the connectors are aligned with the wire colors of the driver box: black with black and red with red, etc (picture 7)



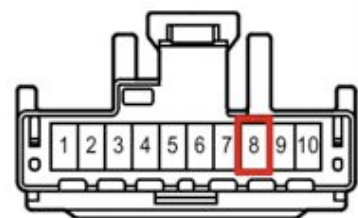
Picture 7

10. Connect the driver boxes to the wires pushed into the connectors on step 9 (make sure wire colors are aligned).
11. Route the wires to the left area of steering column. Use wire ties as needed
12. Wire tie the driver box to the metal bar under the steering column with supplied 15" wire tie (picture 8)



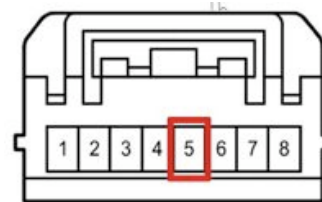
Picture 8

13. **Note:** Use supplied BLACK t-tap on this step T-tap the red wire from DRL harness to connector E17 pin 8, gray wire. Connector E17 is located at the back of the mirror switch control (pictures 9 and 11)

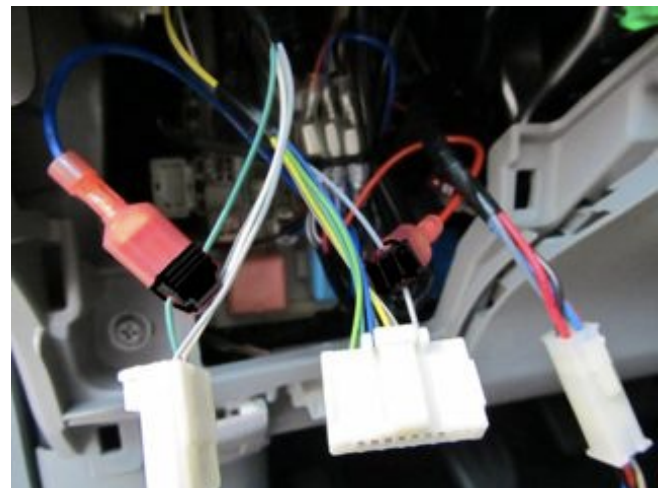


Picture 9

14. **Note:** Use supplied BLACK t-tap on this step: T-tap the blue wire from DRL harness to connector E47 pin 5, green wire. Connector E47 is located at the back of the traction control switch (pictures 10 and 11)



Picture 10



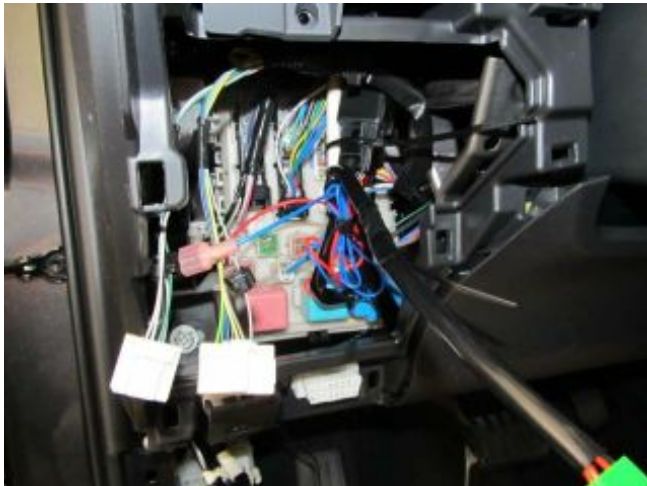
Picture 11

15. Secure ground (black) wire to bolt in kick panel (see picture 12)



Picture 12

16. Secure relay and any excess wire from t-taps to main wire harness (picture 13)

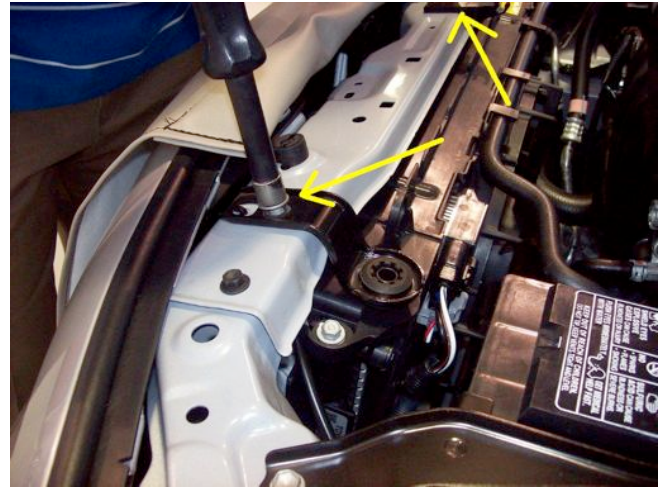


Picture 13

17. Connect wire harness (green connector) to switch
18. Reinstall dash panels and connectors

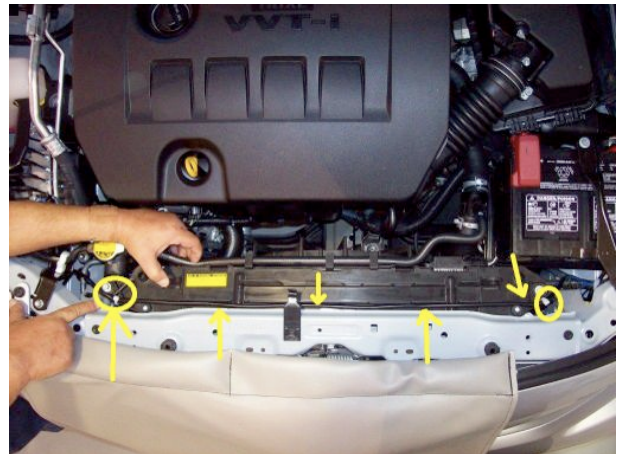
ENGINE COMPARTMENT

19. Remove 2x12 mm bolts holding the radiator supports from core support (picture 14)



Picture 14

20. Run harness along top of radiator and secure with wire ties (pictures 15, 15A, 15B, 15C and 15D)



Picture 15



Picture 15A



Picture 15B



Picture 15C



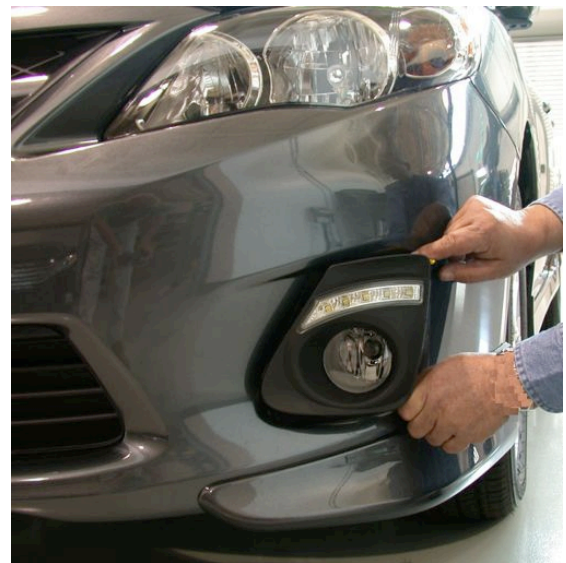
Picture 15D

21. Reinstall radiator supports and torque to 14 ft-lb.
22. Run harness down right and left side of vehicle
23. Remove splash guard corners on both sides by removing a 10mm bolt (picture 16)



Picture 16

24. Remove fog light cover plates on both sides of vehicle
25. Plug in left side DRL into harness plug and secure with wire tie to factory harness
26. Plug in right DRL into harness plug and secure with wire tie to factory harness
27. Snap on both DRL bezels (picture 17)



Picture 17

28. Reattach the lower splash shield corners
29. Reconnect negative battery cable. Torque to 48 in-lbs.

Check System for Operation

DRL will work at full power when ignition switch is ON. DRL will dim out to DOT specifications when lights are ON.



Check

Accessory Functions Checks

- DRL function.....
- All Panels snapped into place.....
- Battery Terminal.....

Vehicle Function checks

- Check functions all switch functions

Look For:

-
- Loose panels and switches
 - Re-torque battery terminals to 48 in/lbs.

VEHICLE FUNCTION CHECK

AFTER ALL PANELS, COVERS AND COMPONENTS THAT WERE REMOVED HAVE BEEN REINSTALLED, TEST THOROUGHLY ALL MECHANICAL AND ELECTRICAL COMPONENTS DISCONNECTED AND/OR REMOVED FROM THE VEHICLE DURING THE INSTALLATION OF THIS ACCESSORY