

Part Number: TCA-501



Kit Contents

Item #	Quantity Reqd.	Description
1	2	LED DRL housings
2	2	Bezels
3	1	Driver Box
4	1	Harness bag
5	1	User's card
6	1	Cushion pad
7	1	Switch

Hardware Bag Contents

Item #	Quantity Reqd.	Description
1	1	Hood Wire Harness
2	1	Cabin Wire Harness
3	25	8" Wire ties
4	2	Black T-Taps
5	1	14" wire tie
6	1	Relay
7	4	Phillip Head Screws
8	2	DRL Connectors

General Applicability

L, LE, XLE

Conflicts

- SE models

Recommended Tools

Safety Tools	
Safety Glasses	
Protective tape	
Electrical Tape	
Installation Tools	
10mm Wrench	
Phillips Screw Driver	
Pliers	
Panel Tool Removal	
10 mm drill bit	
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.

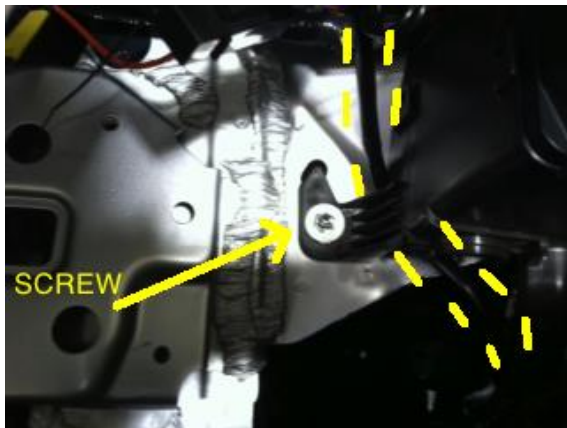
Care must be taken when installing this accessory to ensure damage does not occur to the vehicle. The installation of this accessory should follow approved guidelines to ensure quality installation.

Preparation

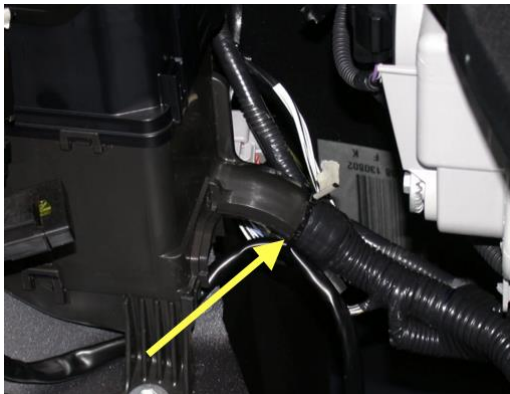
 Remove negative battery cable

Installation

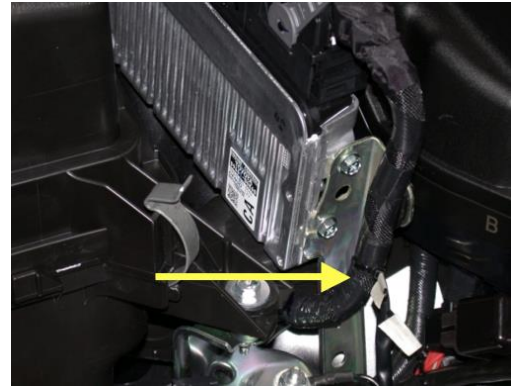
1. From front of vehicle, run the DRL's wire harness on the driver side from the battery towards the firewall of the car. Use wire ties as needed (pictures 1A ~1B)



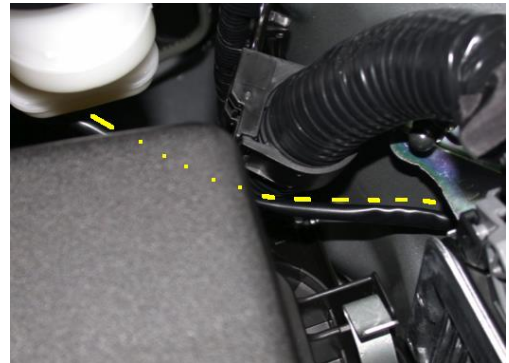
Picture 1A: Remove screw of the base of filter box. Gently, lift the base and slide in the wire harness. Secure the screw



Picture 1B: wire tie to the harness just below the driver's side headlight



Picture 1C: wire tie to the ECU harness



Picture 1D: run wire behind air filter box



Picture 1E: wire tie left to brake reservoir

2. Locate the large vehicle harness grommet on the left side. If accessible, cut the auxiliary wiring access nipple off the grommet or cut

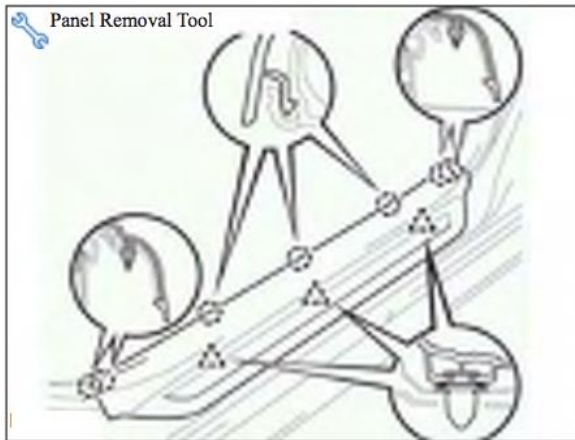
1/4" slit in grommet and push the red, black and red-white wires through firewall. Note: Extra caution should be taken not to damage the pin connectors. Seal with 3M Silicone sealant (picture 3)



Picture 3

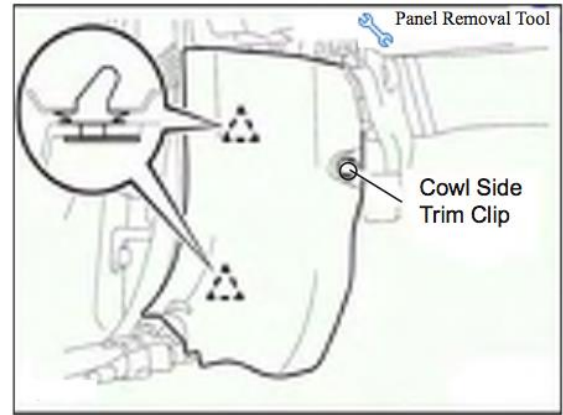
Vehicle Disassembly

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



Picture 4

4. 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

5. Remove the finish panel covering the knee airbag, lower airbag and move aside to access behind dashboard.
6. Remove side panel from dash, pry outward at front edge then pull straight back (pic. 6)



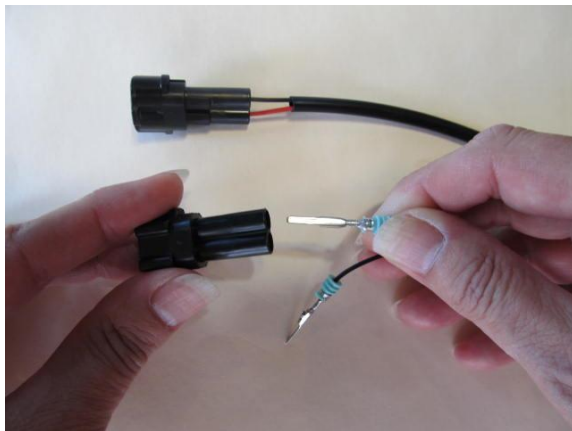
Picture 6

7. Remove dash plug then mount switch into switch knockout on left side of dash (see picture 7)



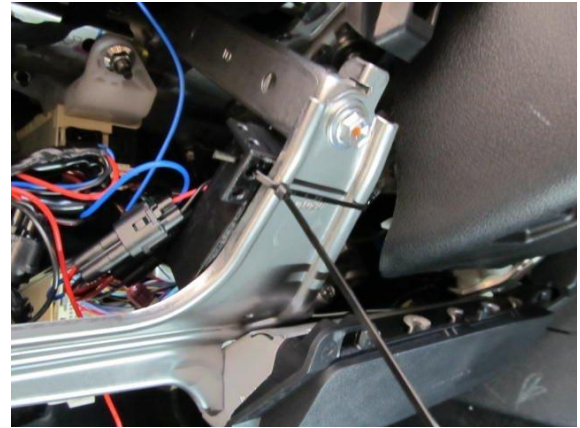
Picture 7

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



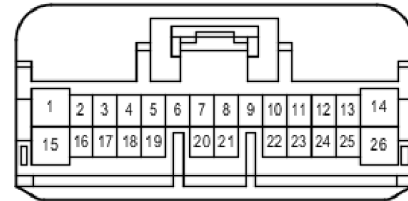
Picture 8

10. Connect the driver box to the wires pushed into the connectors on step 10 (make sure wire colors are aligned).
11. Using a 15" wire tie, secure the driver box next to the steering wheel column (pic. 9)

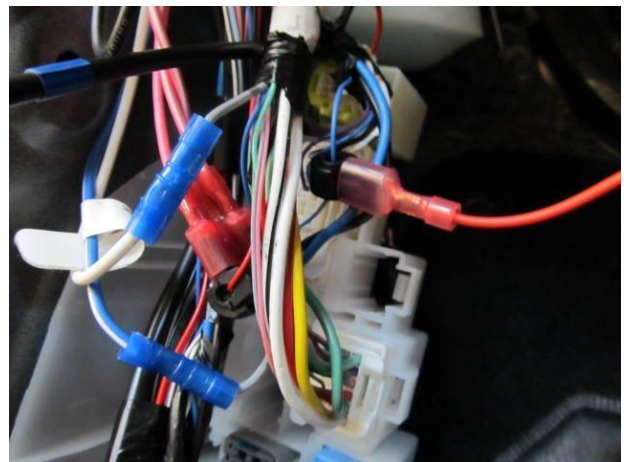


Picture 9

12. Route the wires to the left area of the steering column. Use wire ties as needed
13. T-tap the red wire from DRL harness to connector K12 pin 19, blue wire. Connector K12 is located in the driver side kick panel (pictures 10 and 11)

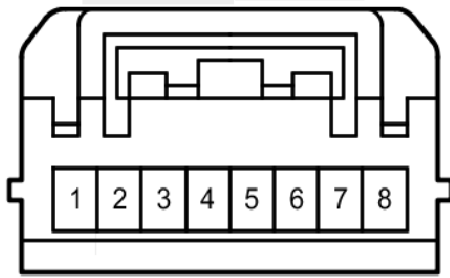


Picture 10: Connector K12

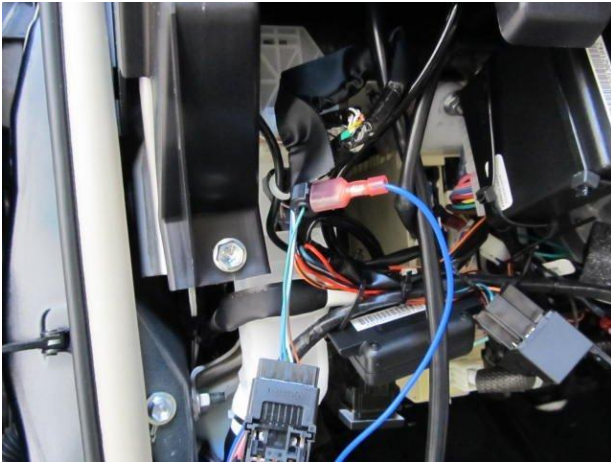


Picture 11

14. T-tap the blue wire from DRL harness to connector I130 pin 5, green wire. Connector I130 is located at the back of the traction control switch (pictures 12 and 13)

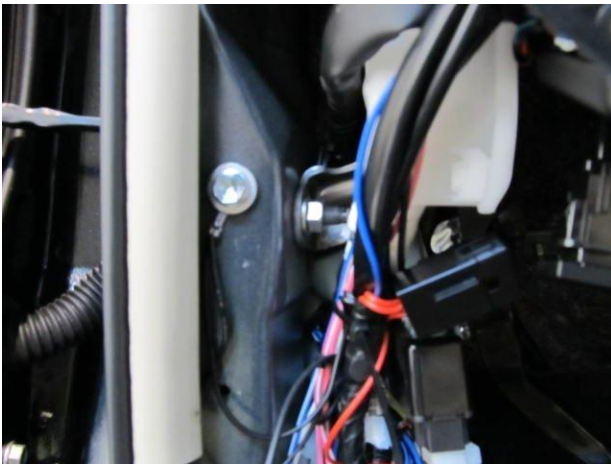


Picture 12



Picture 13

15. Secure ground (black) wire to bolt in kick panel (see picture 14)



Picture 14

16. Secure any excess wire from t-taps to main wire harness, along with double female bullet connector. Plug in the switch and secure relay

17. Reinstall dash panels and connectors

ENGINE COMPARTMENT

18. On the driver side, route the DRL's wire under car to reach left fog light area.
19. Remove lower splash shields on both sides and then fog light cover plates
20. Insert one side of the DRL housing into the plastic sleeve and secure other side with supplied Phillip screws (picture 15). Repeat this step for left and right fog lamps.



Picture 15

21. Plug in left side DRL into harness plug and secure with wire ties
22. Run right side of wire harness under skid plate and secure with wire ties (picture 16)



Picture 16

23. Plug in right DRL into harness plug and secure with wire ties
24. Snap on both DRL bezels (picture 17)



Picture 17

25. Reattach the lower splash shields
26. Reinstall negative battery cable. Torque to 61 in-lb

Check System for Operation

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

2. If DRL switch position is off, DRL will not work at any time.

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 61 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