

Part Number: TPV-501



**Kit Contents**

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

**Hardware Bag Contents**

Item #	Quantity Req'd.	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	2	DRL Connectors
8	4	Phillip Head Screws

**General Applicability**

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**Conflicts**






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**Recommended Tools**

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

Mandatory

Legend

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

<p><b>SPECIAL NOTE:</b>                      After <b>Auer Automotive Safety</b> 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.</p>
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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

1. Remove rear deck board (picture 1)



Picture 1

2. Remove floor tray (picture 2)



Picture 2

3. Remove small tray rear passenger-side covering battery (picture 3)



Picture 3

4. Disconnect negative battery cable using a 10mm wrench (no not touch positive terminal with any tool when removing cable)



10mm wrench



Picture 4

## Installation

5. From front of vehicle, run the DRL's wire harness on the driver side towards the firewall of the car. Use wire ties as needed (picture 5)

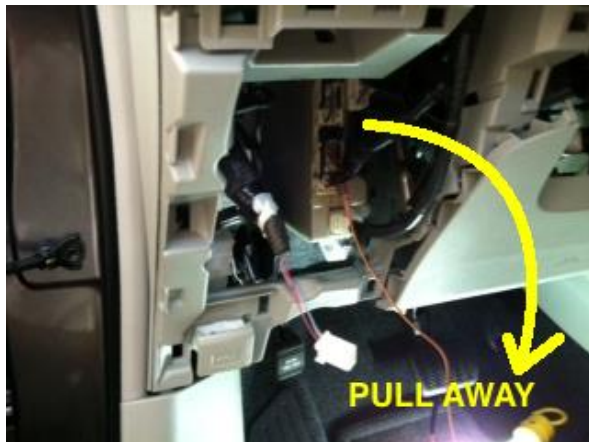


Picture 5

6. 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, black-white and red-white wires through firewall. Note: Extra caution should be taken not to damage the connector's pin. Seal with 3M Silicone sealant

**Vehicle Disassembly**

7. Pull the left top side of the panel away from dashboard and unplug connectors. Extra caution should be taking not to pull to hard and damage connectors (picture 6)



Picture 6

8. Remove 2 screws and push back on tabs to release lower panel (picture 7)



Picture 7

9. Unplug wire harness and remove panel by pulling it towards the seat (picture 8)



Picture 8

10. Remove plastic cap from switch knockout of dash
11. Install switch in empty knockout of dash (picture 9)



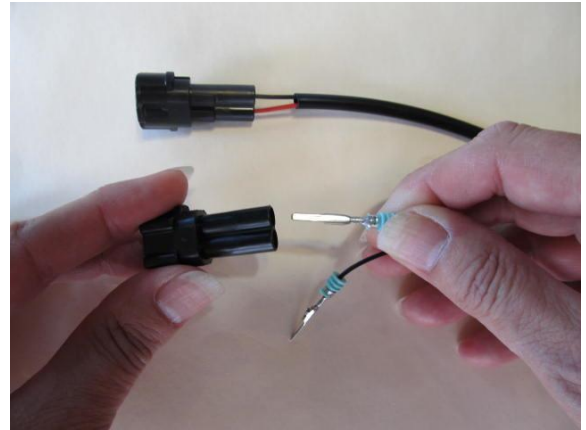
Picture 9

12. From inside the cabin, locate the wires that were pushed through in step 6. It will be the grommet above the gas pedal (picture 10)



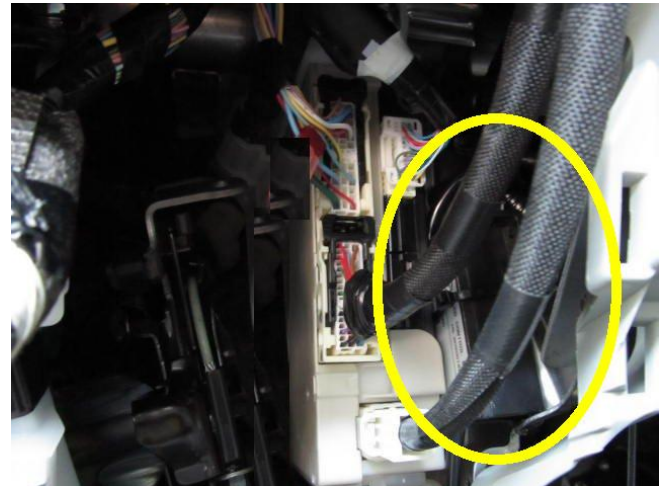
Picture 10

13. 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 11)



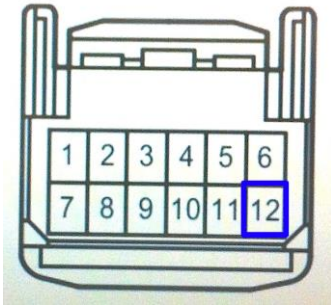
Picture 11

14. Connect the driver box to the wires pushed into the connectors on step 13 (make sure wire colors are aligned).
15. Using a 15" wire tie, secure the driver box next to the junction block (picture 12)



Picture 12

16. Route the wires to the left side of steering column. Use wire ties as needed
17. T-tap the blue wire from DRL harness to the connector L52, pin 12 (green wire). Connector L52 is a black connector (spiral cable) located under the steering wheel column (pictures 16, 17)

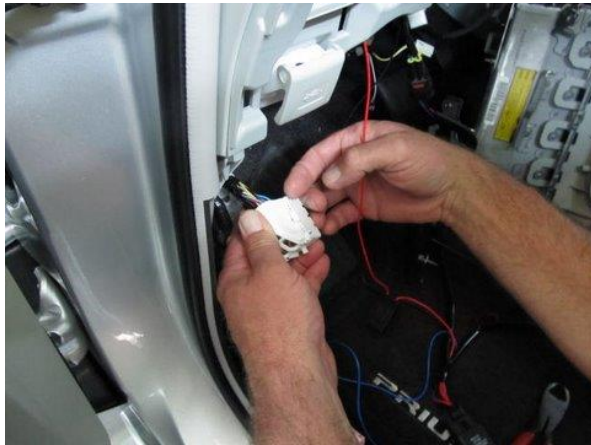


Picture 16



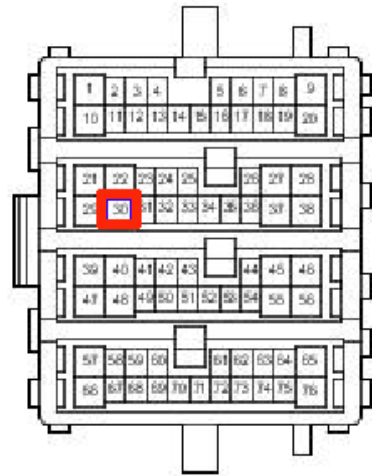
Picture 17

- 18. Locate connector LR1 next to the side-kick panel. Remove harness shield (picture 18)

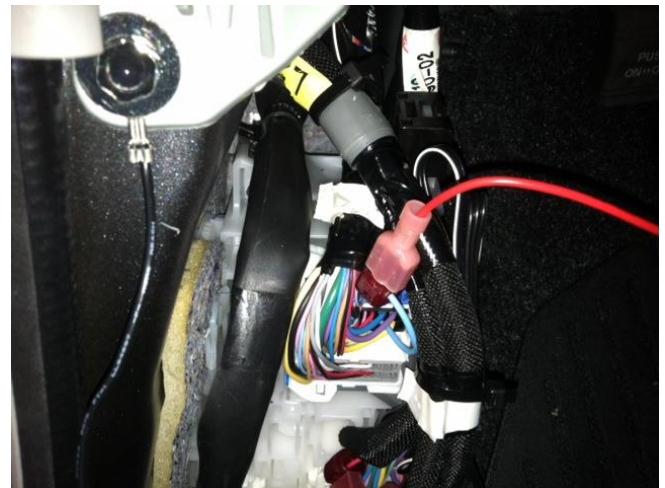


Picture 18

- 19. T-tap the red wire from DRL harness to connector LR1 pin 30, light blue wire. Secure with wire ties (pictures 19 and 20)



Picture 19



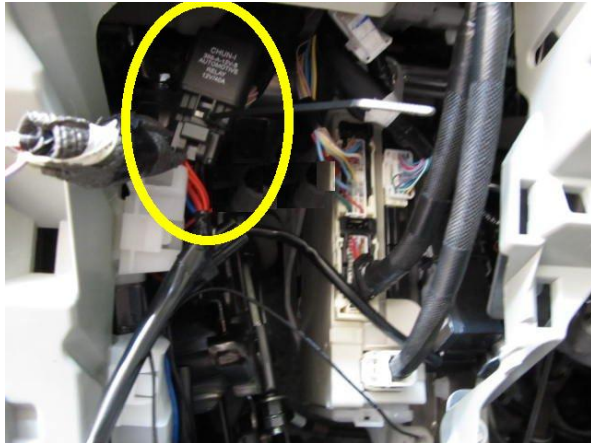
Picture 20

- 20. Reinstall harness shield, removed in step 23
- 21. Secure ground (black) wire to bolt left of steering wheel column (picture 21)



Picture 21

- 22. Secure relay and any excess wire from t-taps to main wire harness (picture 22)



Picture 22

- 23. Plug in the switch
- 24. Reinstall dash panels and connectors

**ENGINE COMPARTMENT**

- 25. Remove splash shield from the front of the car (picture 23)



Picture 23

- 26. On the driver side, route the DRL wire under car
- 27. Remove fog lamp covers
- 28. Insert one side of the DRL housing into the plastic sleeve and secure other side with supplied Phillip screws (picture 24). Repeat this step for left and right DRLs



Picture 24

- 29. Plug in left side DRL into harness plug and secure with wire ties
- 30. Run right side of wire harness under skid plate and secure with wire ties (picture 25, 26 and 27)



Picture 25



Picture 26



Picture 27

31. Plug in right fog light into harness plug and secure with wire ties to factory wire harness
32. Snap on both DRL bezels (picture 28)



Picture 28

33. Reattach the lower splash shields
34. Reinstall negative battery cable and torque to 48 in-lbs

### 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.
- 3.

**Check**

Accessory Functions Checks

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

Vehicle Function checks

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- Check functions all switch functions

**Look For:**

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- ....
- 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