

Part Number: 00016-32280

Accessory Code: LDRS10



Conflicts

- Only works on Camry SE

Kit Contents

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

Hardware Bag Contents

Item #	Quantity Req'd.	Description
1	1	Switch assy
2	1	Hood Wire Harness
3	1	Cabin Wire Harness
4	8	Wire ties
5	2	3M T-Taps 24-26 gauge
6	1	DRL ON/OFF switch
7	2	Screws
8	2	Spacers
9	2	Drilling jigs

Additional Items Required For Installation

Item #	Quantity Req'd.	Description

Recommended Tools

Safety Tools	
Safety Glasses	
Electrical Tape	
Installation Tools	
10mm Wrench	61 in-lbs
Phillips Screw Driver	
Pliers	
Side Cutters	
10 mm drill bit	
Special Chemicals	
3M Silicon Sealant	

Accessory Service Parts

Service Part Part Number	LED DRL LH	LED DRL RH	Switch	Wire Harness	Driver box	Relay
	00016-32280-01	X				
00016-32280-02		X				
00016-32280-04			X			
00016-32280-03				X		
00016-32280-05					X	
00016-32260-04						X

General Applicability

SE Models

Recommended Sequence of Application

Item #	Accessory
1	
2	
3	

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 TMS and 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. These guidelines can be found in the Accessory Installation Practices document.

This document covers such items as:

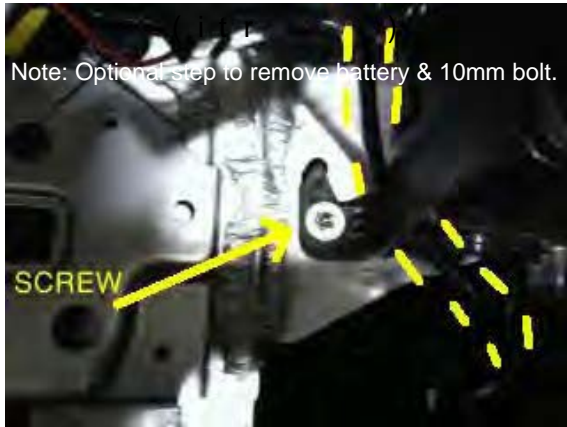
- Vehicle Protection (use of covers and blankets, cleaning chemicals, etc)
- Safety (eye protection)
- Vehicle Disassembly / Reassembly (panel removal, part storage, etc)

Preparation

Remove battery from vehicle side (Optional step) or 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



Note: Optional step to remove battery & 10mm bolt.

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



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



Picture 1C: Wire tie to the ECU harness



Picture 1E: Wire tie left of brake reservoir

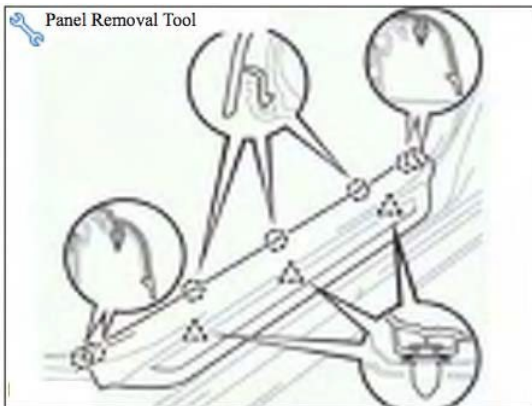
2. Locate the large vehicle harness grommet on the left side. If accessible, cut the auxiliary wiring access nipple off the grommet or cut 1/4" slit in grommet and push the red, black, black-white and red-white wires through firewall. Note: Extra caution should be taken not to damage the bullet connectors.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



Picture 2

Vehicle Disassembly

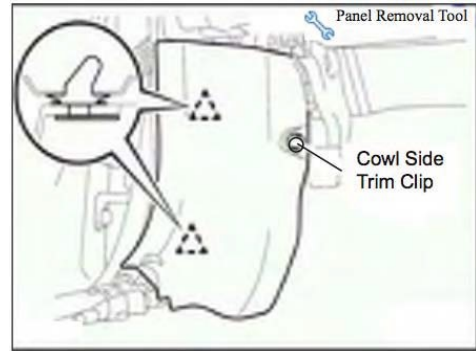
3. Remove driver side door scuff plate
 - a. Disengage with panel tool and remove (picture 3)



Picture 3

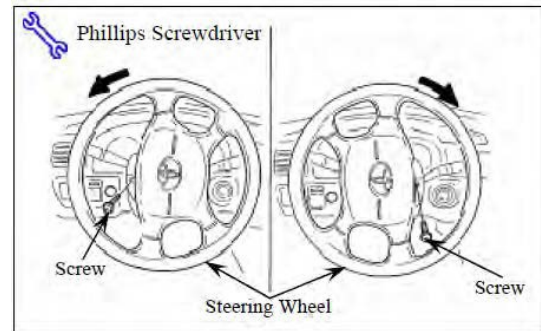
4. Remove the driver side cowl side trim
 - a. Unscrew the cowl side trim clip

- b. Disengage two (2) clips and remove the cowl side trim (picture 4)



Picture 4

5. Remove lower steering column cover: remove the screws located behind the wheel. Insert key into ignition switch and turn to ON. Turn the steering wheel left and right to remove screws (picture 5)



Picture 5

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



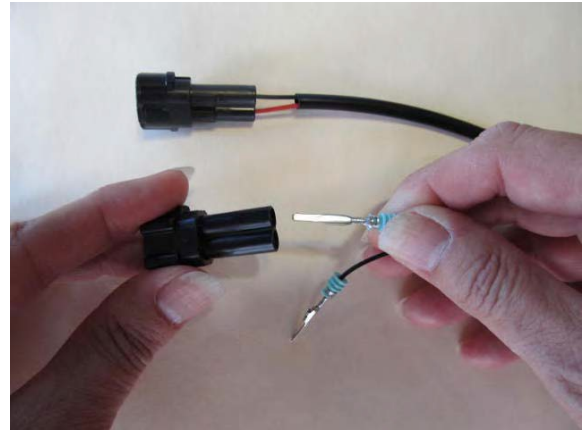
Picture 6

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



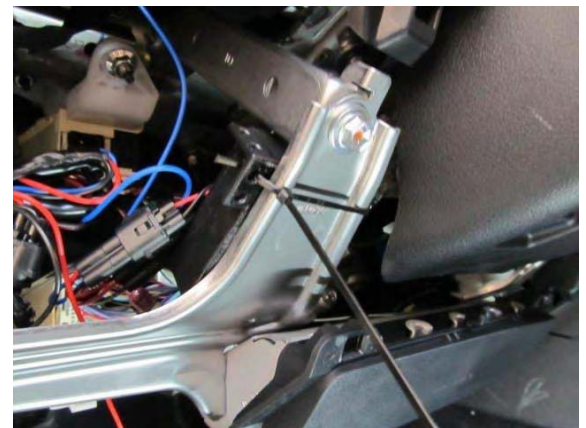
Picture 7

9. From inside the cabin, locate the wires that were pushed through in step 5. It will be the grommet above the gas pedal.
10. Route the wire harness to reach the lower part of the steering wheel
11. 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)



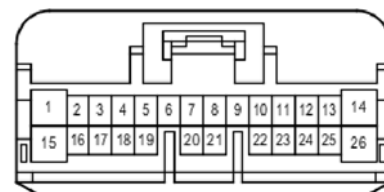
Picture 8

12. Connect the driver box to the wires pushed into the connectors on step 2 (make sure wire colors are aligned).
13. Using a 15" wire tie, secure the driver box next to the steering wheel column (picture 9)



Picture 9

14. Route the wires through the steering column. Use wire ties as needed
15. 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)

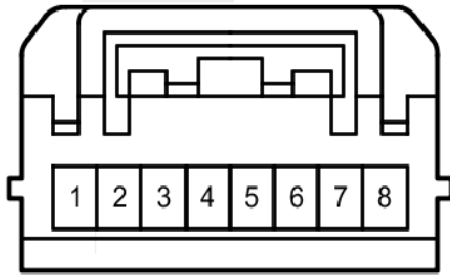


Picture 10: Connector K12

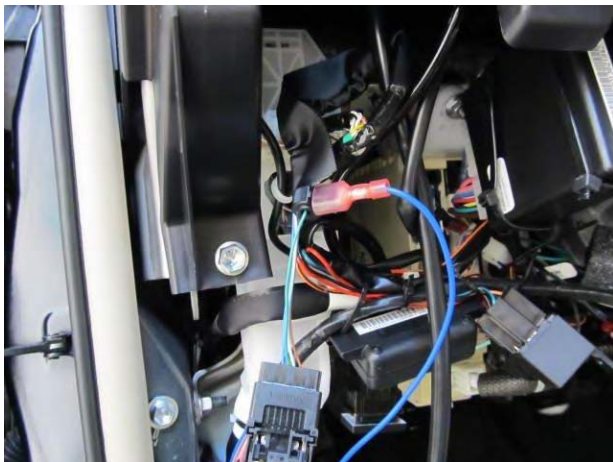


Picture 11

16. 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

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



Picture 14

18. Secure any excess wire and relay with wire ties
19. Reinstall dash panels and connectors.

ENGINE COMPARTMENT

20. On the driver side, route the DRL's wire under car.
21. Remove lower splash shield on both sides
22. Remove fog light bezels by removing 2 Phillips screws and releasing the taps
23. Place the left (LH) bezel face up on a drilling bench



Picture 15

24. Use the supplied left jig to drill three 10 mm holes on the bezel as described on pictures

16 and 16A. NOTE: Jigs are marked LH and RH. Make sure to use LH on left bezel and RH for right bezel.



Picture 16



Picture 16A

- 25. Repeat 23 and 24 for right side bezel
- 26. Using the supplied screws and angle washers, mount the LED DRL on the bezels (picture 17)



Picture 17

- 27. Reinstall bezels in vehicle (picture 18)



Picture 18

- 28. Plug in left side DRL into harness plug and secure with wire ties
- 29. Run right side of wire harness under skid plate and secure with wire ties (picture 19)



Picture 19

- 30. Plug in right DRL into harness plug and secure with wire ties
 - 31. Reattach the lower splash shields
 - 32. Re-install battery bracket & assembly, if applicable. Reconnect battery terminal (s) at 61in lbs.
- Note: Avoid compressing relay against battery.

Checklist – these points MUST be checked to ensure quality installation

Check System for Operation

- 1. While switch is in “ON” position (green indicator light on switch will illuminate), DRL will work at full power when ignition switch is ON.
- 2. DRL will dim out to DOT specifications when vehicle lights are “ON”
- 3. 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-lb

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

Block Diagram LED DRL

Camry SE 2012**00016-32280**

