

TOYOTA

TACOMA

2013 -

XSP-X LED DRL

Part Number: 00016-35230

Accessory Code: LDRL10



Conflicts

-None

Kit Contents

Item #	Quantity Reqd.	Description
1	2	LED DRL
2	1	Driver Box
3	1	Harness bag
4		

Hardware Bag Contents

Item #	Quantity Reqd.	Description
1	1	Relay
2	1	Hood Wire Harness
3	1	Cabin Wire Harness
4	8	Wire ties
5	2	T-Taps
6	1	DRL ON/OFF switch

Additional Items Required For Installation

Item #	Quantity Reqd.	Description

Recommended Tools

Safety Tools	
Safety Glasses	
Electrical Tape	
Installation Tools	
10mm Wrench	
Phillips Screw Driver	
Pliers	
Side Cutters	
Torque Wrench	48in lbs
Special Chemicals	
3M Silicon Sealant	

Accessory Service Parts

Service Part Part Number	LED DRL LH (unpainted)	LED DRL RH (unpainted)	Switch	Relay	Wire Harness	Driver box
	00016-35230-20	X				
00016-32230-21		X				
00016-32270-05			X			
00016-32260-04				X		
00016-32270-03					X	
00016-32270-06						X

Color Applicability

Part Number	Description	Color Code
00016-35230-01	Silver Streak Mica	1E7
00016-35230-11	Magnetic Gray Metallic	1G3
00016-35230-02	Black	202
00016-35230-03	Barcelona Red Metallic	3R3
00016-35230-10	Super White	040

Recommended Sequence of Application

Item #	Accessory
1	

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 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 (see picture 2)
2. Locate the large vehicle harness grommet on the left side. If accessible, cut the auxiliary wiring access nipple off the grommet or cut ¼" 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 (picture 2)



Picture 2

Vehicle Disassembly

3. Remove air conditioning panel with nylon removal tool and unplug connectors behind it (picture 3)



Picture 3

4. Remove the 10 mm bolts (4) as shown in picture 4



Picture 4

- 5. Remove the head radio unit and unplug connectors (picture 5)



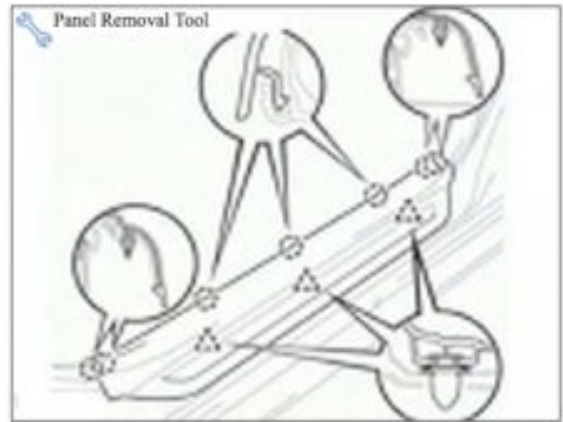
Picture 5

- 6. Remove lower panel to the right of the steering column (pictures 6)



Picture 6

- 7. Remove driver side door scuff plate. Disengage with panel tool and remove (picture 7 and 8)



Picture 7



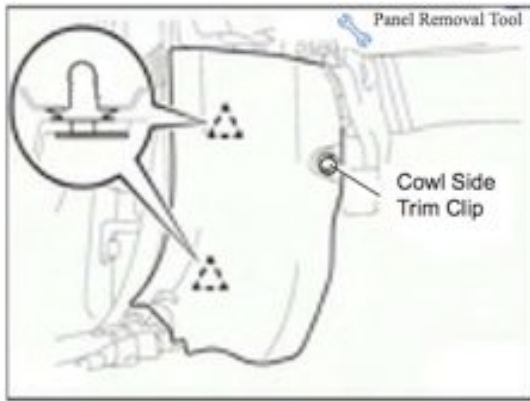
Picture 8

- 8. Remove the foot rest on the driver side (picture 9)



Picture 9

- 9. Remove the driver side cowl side trim (pictures 10 and 11)



Picture 10

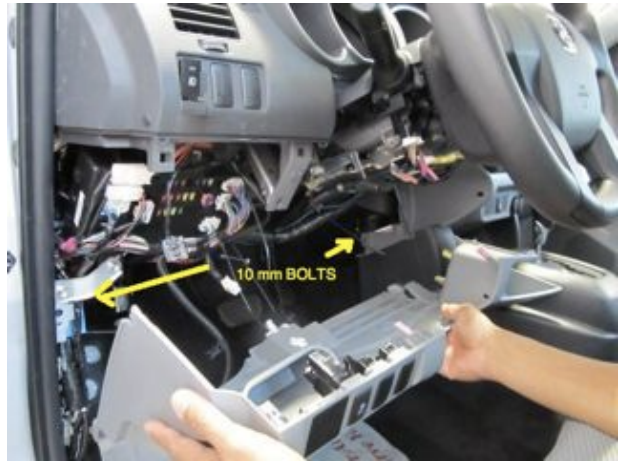


Picture 11

- 10. Remove the lower finish panel by removing two 10 mm bolts (picture 12 and 13)

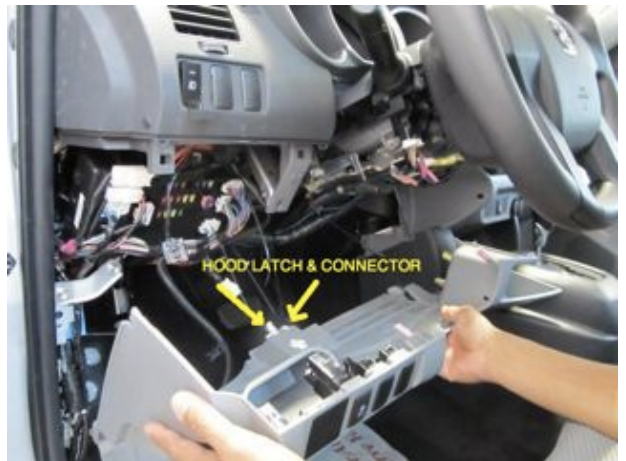


Picture 12



Picture 13

- 11. Remove hood latch and gas (if applicable) door cables (picture 14)



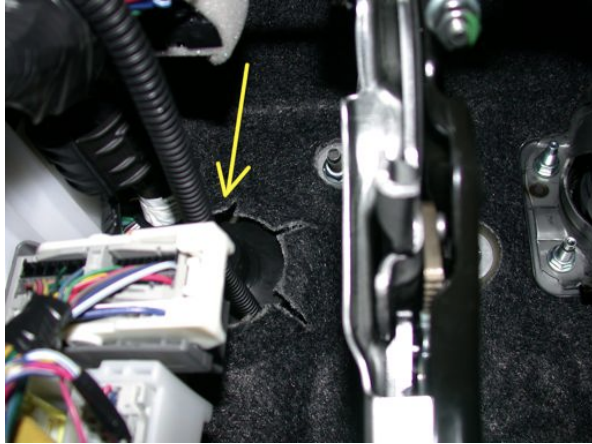
Picture 14

- 12. Remove the metal lower knee panel by removing three 10 mm bolts (picture 15)



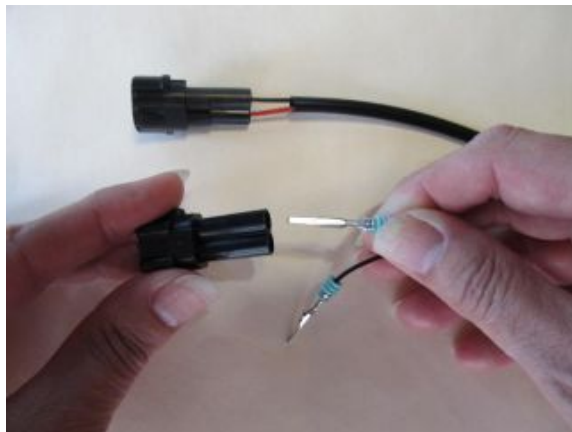
Picture 15

- From inside the cabin, locate the wires that were pushed through in step 2. It will be the grommet left to the emergency brake (picture 16)



Picture 16

- Route the wire harness to reach the lower part of the steering wheel
- 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 17)



Picture 17

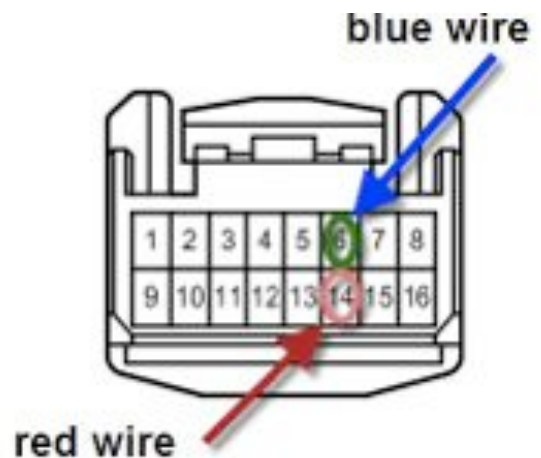
- Connect the driver box to the wires pushed into the connectors on step 15 (make sure wire colors are aligned).

- Using a 14" wire tie, secure the driver box next to the steering wheel column on metal dash bracket (picture 18)



Picture 18

- Route the wires towards the center panel. Use wire ties as needed
- T-tap the red wire from DRL harness to connector A33 pin 14, pink wire. A33 is located on the back of the air conditioning control switch. The connector is black in color (pictures 19 and 20)



Picture 19: Connector A33



Picture 20

- 20. T-tap the blue wire from DRL harness to connector A33 pin 6, green wire (pictures 19 and 20)
- 21. Secure ground (black) wire to bolt in metal knee panel (picture 21 and 21A)



Picture 21



Picture 21A

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



Picture 22

- 23. Remove the switch plug above the center console. Pull the DRL wire harness. Using a wire tie secure the DRL harness to the factory harness terminal behind the plug switch (picture 23)



Picture 23

- 24. Plug in the switch (picture 24)



Picture 24

- 25. Reinstall dash panels and connectors

ENGINE COMPARTMENT

- 26. Remove the radiator cover shield (picture 25)



Picture 25

- 27. Using a pry tool, remove the bezel below the left head lamp area (picture 26 & 26A)



Picture 26



Picture 26A

- 28. Remove the green pin from the factory bezel (picture 27)



Picture 27

- 29. Using a pry tool, remove the plastic plug from the factory bezel (picture 28)



Picture 28

- 30. Repeat steps 27 ~ 29 for right side bezel
- 31. Install the green pin and the black plastic plug (removed in steps 28 and 29) into the DRL bezels
- 32. Secure the DRL's wire harness next to the factory wire harness, next to the white clip on the fire-wall (picture 29)



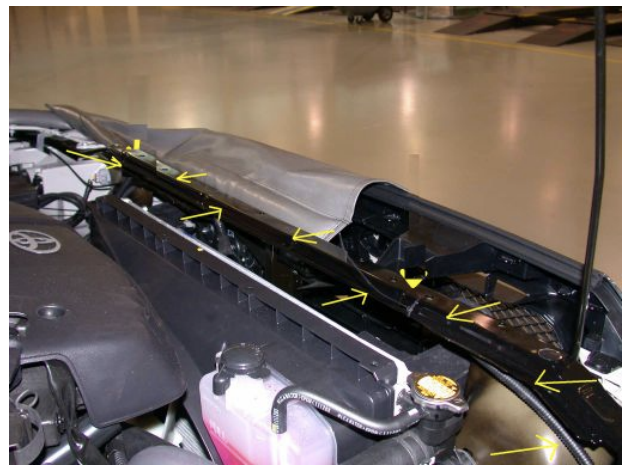
Picture 29

- 33. Route the DRL's wire down to reach left head lamp area (picture 30)



Picture 30

- 34. Run the wire harness to the right side on top of the radiator housing and drop right side of wire harness to reach behind head-lamp compartment area (picture 31)



Picture 31

- 35. On the driver side head-lamp, locate DRL wire harness. Pull it carefully through the opening below the head lamp (picture 32)



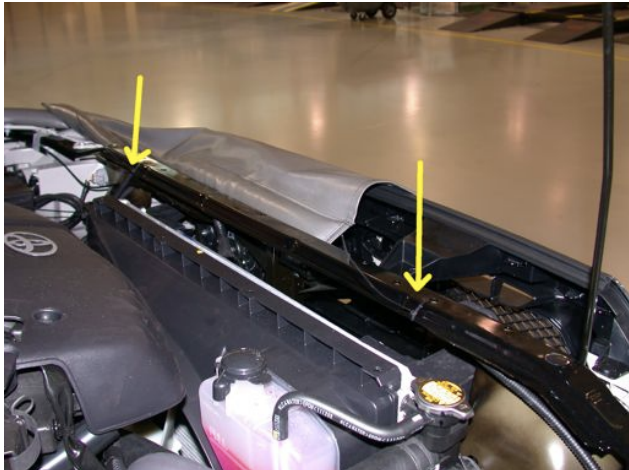
Picture 32

36. Plug in left side DRL into harness plug
37. Install DRL bezel into place (picture 33)

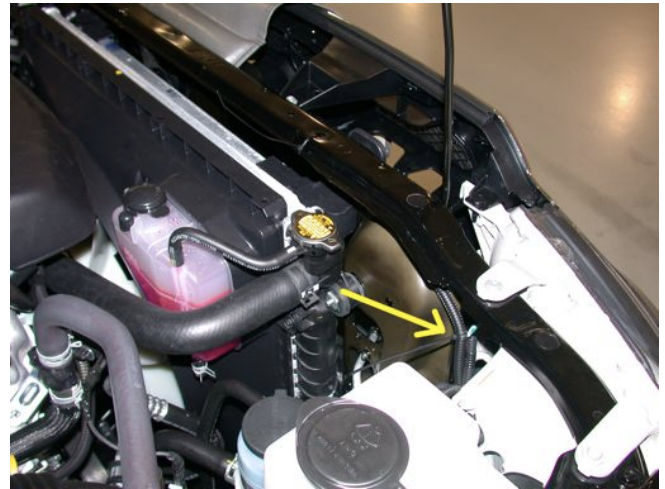


Picture 33

38. Repeat steps 36 to 38 on right side DRL
39. Secure wire harness on top of radiator housing with wire ties (pictures 34A & 34B)

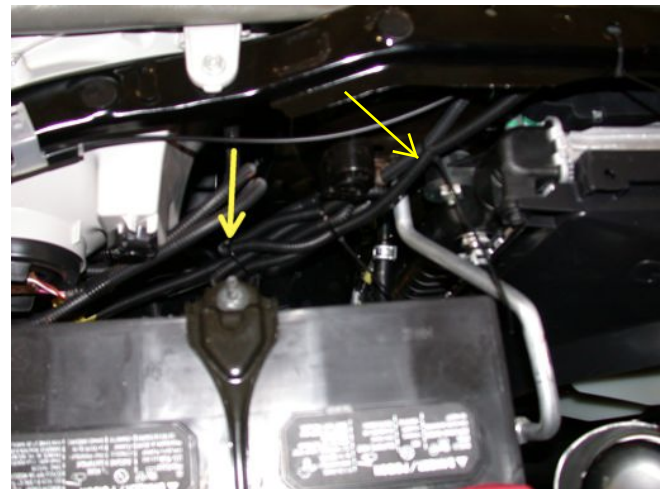


Picture 34A



Picture 34B

40. Secure excess wires with wire ties (picture 35)



Picture 35

41. Reattach the radiator cover shield
42. 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.

Check

Accessory Functions Checks

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

Vehicle Function checks

- Check functions all switch functions

Look For:

....

Loose panels and switches

Re-torque battery terminals to 48 in-lb

Place DRL operation guide inside glove box.

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