

TOYOTA

PRIUS V

2012 -

LED DRL Black-Out

Part Number: 00016-47021

Accessory Code:LDBO10

**Conflicts**

Fog Lights

Kit Contents

Item #	Quantity Req'd.	Description
1	2	DRL Housing
2	2	DRL's bezels
3	1	Driver Box
4	1	Harness bag

Hardware Bag Contents

Item #	Quantity Req'd.	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 Req'd.	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	DRL Housing LH	DRL Housing RH	Switch	Relay	Wire Harness	Driver box	Bezel LH	Bezel RH
Part Number								
00016-47021-01	X							
00016-47021-02			X					
00016-32270-05			X					
00016-32260-04				X				
00016-32270-03					X			
00016-32270-06						X		
00016-47650-06							X	
00016-47650-07								X

General Applicability

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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.

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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

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)



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 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

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)



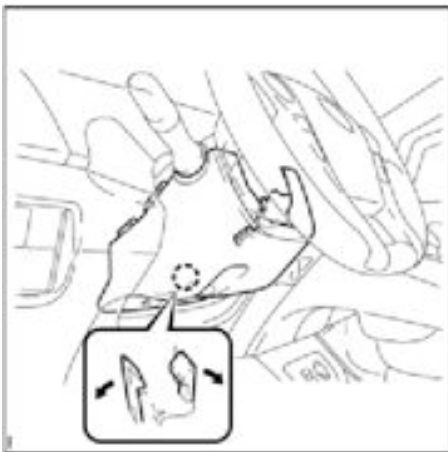
Picture 8

10. Remove lower steering wheel cover
11. Push the right and left sides of lower steering column cover to disengage the 4 claws (picture 9)



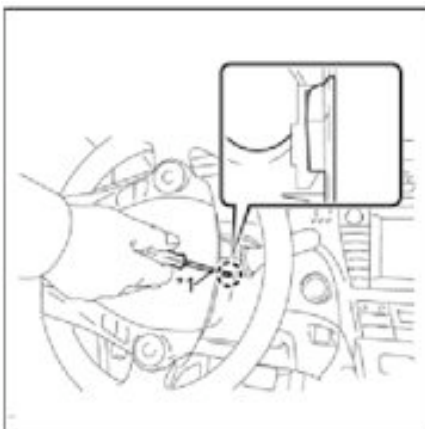
Picture 9

12. Insert fingers into the opening of the tilt leveler of the lower steering column cover to disengage the claw (picture 10)



Picture 10

13. Turn the steering wheel assembly (picture 11)



Picture 11

14. Remove plastic cap from switch knockout of dash
15. Install switch in empty knockout of dash (picture 12)



Picture 12

16. From inside the cabin, locate the wires that were pushed through in step 6. It will be the grommet above the gas pedal (picture 13)



Picture 13

17. Route the wire harness to reach the lower part of the steering wheel
18. 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 14)



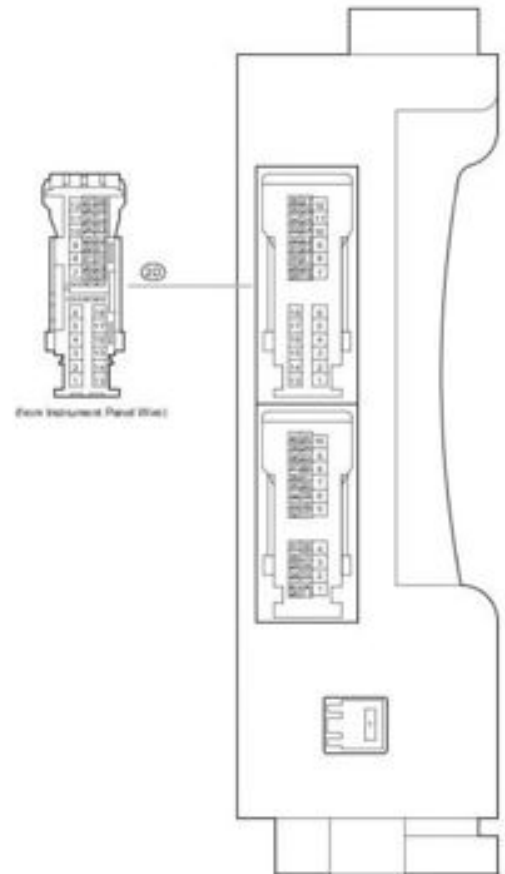
Picture 14

19. Connect the driver box to the wires pushed into the connectors on step 2 (make sure wire colors are aligned).
20. Using a 15" wire tie, secure the driver box next to the junction block (picture 15)

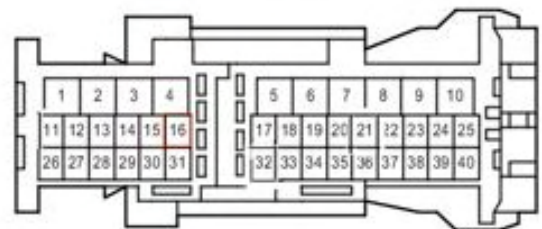


Picture 15

21. Route the wires through the steering column. Use wire ties as needed
22. T-tap the red wire from DRL harness to connector 2D pin 16, light blue wire. Connector 2D is located at the junction block under the steering wheel column (pictures 16, 17 and 18)



Picture 16



Picture 17



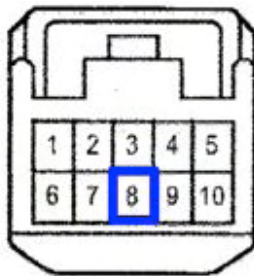
Picture 18

23. Locate connector L59 next to the side-kick panel. Remove harness shield (picture 19)



Picture 19

24. T-tap the blue wire from DRL harness to connector L59 pin 8, green wire. (pictures 20 and 20A)



Picture 20



Picture 20A

25. Reinstall harness shield, removed in step 23

26. Secure ground (black) wire to bolt left of steering wheel column (picture 21)



Picture 21

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



Picture 22

28. Plug in the switch
29. Reinstall dash panels and connectors

ENGINE COMPARTMENT

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



Picture 23

31. On the driver side, route the DRL wire under car
32. Remove fog lamp covers
33. 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

34. Plug in left side DRL into harness plug and secure with wire ties
35. 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

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



Picture 28

38. Reattach the lower splash shields
39. 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**Look For:**Accessory Functions Checks

- | | |
|--------------------------------------|---|
| ▫ DRL function..... | |
| ▫ All Panels snapped into place..... | Loose panels and switches |
| ▫ Battery Terminal..... | Re-torque battery terminals to 48 in-lb |
| ▫ Operation Guide..... | Place DRL operation guide inside glove box. |

Vehicle Function checks

- Check functions all switch functions

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

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