

Deep Space Lighting

VOLVO VNL LED FOG LIGHT KIT

Installation Instructions

Estimated Installation Time: 15-30 minutes

Tools Needed:

#3 Philips screwdriver

10mm socket and ratchet

Before starting, make sure your fog light housing is a good candidate for the upgrade. Look for moisture, and repair before starting. Hazed lenses should be polished and clear-coated for optimal performance, but that holds true with or without the kit. The lenses can be polished before or after installation. If the truck has been exposed to road salt, soaking the fog light mounting bolts with a penetrating oil is advised.

Package contents:

2 Morimoto Type U LED Fog Lights




2 Adjuster brackets

4 10mm long screws with nuts

4 Shoulder bolts

4 Washers

2 foam grommets

<ol style="list-style-type: none">1. Remove fog lamp housing:<ol style="list-style-type: none">a) Make sure headlights are turned off, and raise hood.b) Lift retaining clip while pulling apart to remove lamp harness from vehicle harness.c) Remove 3 10mm bolts from inboard side of fog lamp housing.	
<ol style="list-style-type: none">2. Take fog lamp to a table for disassembly. Lay soft towel under lamp to protect against scratches.3. Remove 4 Philips screws from the back side of the fog lamp housing.4. If the factory labels are missing or illegible, mark which connector goes on the fog light. Clean the rubber housing cover to prevent any dirt from falling into the light. Disconnect wiring harness from both bulbs. Remove both the fog light bulb and driving light bulb by twisting counterclockwise.	
<ol style="list-style-type: none">5. Lift around the edges of the rubber cover to remove.	

6. Carefully remove the fog light reflector by lifting up on the pin furthest from the adjuster first. Be careful not to apply sideways pressure on the housing's clips—they can be broken easily.



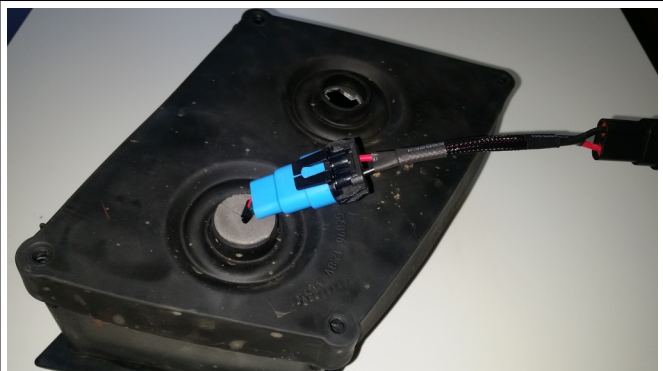
7. Insert aiming tab into the fog light adjuster, and snap both mounting bolts into the housing's clips.



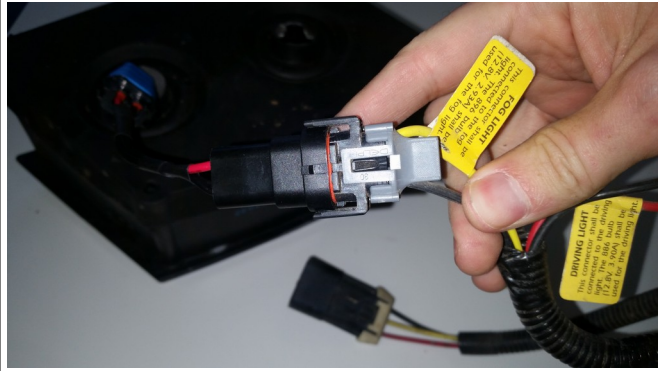
8. Lay the rubber housing back in place, and pull fog light wires through lower opening. Slide foam grommet over wires and insert into the hole for the fog light bulb to seal the opening.



9. Connect LED fog light wire ends into blue fog light plug. Lay the plug with the retaining clip facing up, and insert red and black wires into plug shell as shown.



10. Connect wiring harness adapter between blue fog light plug and the original fog light plug (yellow and black wires on OE harness).



11. Reinstall driving light bulb in upper reflector (if present), reconnect driving light plug (red and black wires on OE harness), and reinstall screws holding back cover on.
 12. Reinstall lights on truck using 3 screws removed in step 1, and reconnect fog light harness to truck.



13. Check fog light aim by measuring the height of the upper edge of the beam when aimed at a wall approximately 25 feet away. Adjust aim by turning screw on front of fog light housing until top edge of beam on the wall is at the same height as the fog light.
 If additional adjustment is needed, you may need to loosen the bolts on the bumper end cap and adjust bumper alignment.

Troubleshooting Tips

Symptom:	Cause:	Remedy:
Light doesn't come on	Terminals on blue connector installed backwards	Release terminal retaining clip with small screwdriver, reverse orientation, and reinstall.