Fog Lamp Kit

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INSTALLATION

Prepare Vehicle

Fog Lamp Kit Installation
INSTALLATION

2011 Super Duty Fog Lamp Kit

Special Tool(s)

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<tr>
<th>Item</th>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>15A254</td>
<td>RH Fog Lamp Assembly</td>
</tr>
<tr>
<td>2</td>
<td>15A255</td>
<td>LH Fog Lamp Assembly</td>
</tr>
<tr>
<td>3</td>
<td>15A211</td>
<td>RH Bezel</td>
</tr>
<tr>
<td>4</td>
<td>15A211</td>
<td>LH Bezel</td>
</tr>
<tr>
<td>5</td>
<td>15A211</td>
<td>Fog Lamp Jumper Wire Harness</td>
</tr>
</tbody>
</table>

Fog Lamp Kit

NOTE:
XL & XLT kit
### INSTALLATION (Continued)

<table>
<thead>
<tr>
<th>Item</th>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>N801970</td>
<td>Nut (not shown)</td>
</tr>
<tr>
<td>7</td>
<td>W623483</td>
<td>Push on Retainer (not shown)</td>
</tr>
<tr>
<td>8</td>
<td>W503926</td>
<td>Bolt and Washer (not shown)</td>
</tr>
</tbody>
</table>

**NOTE:**

XL kit

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<table>
<thead>
<tr>
<th>Item</th>
<th>Part Number</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>14B476</td>
<td>Body Control Module (BCM)</td>
</tr>
<tr>
<td>2</td>
<td>13D061</td>
<td>Fog Lamp Function Switch</td>
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</tbody>
</table>

**NOTE:**

XLT kit
### INSTALLATION (Continued)

<table>
<thead>
<tr>
<th>Item</th>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>13A018</td>
<td>Light Sensor</td>
</tr>
<tr>
<td>2</td>
<td>13D061</td>
<td>Fog Lamp &amp; Auto Lamp Function Switch</td>
</tr>
</tbody>
</table>

**NOTE:**
Both kits will require dealer installation.

**NOTE:**
XLT installation requires IDS software V72 or higher.

**NOTE:**
IDS and two Integrated Keyhead Transmitters (IKTs) are required for XL kit installation.

**Assemble Fog Lamp Kit**

1. **NOTE:**
   RH side shown, LH similar.

   Install the RH and LH bezels onto the fog lamp bracket assemblies.

   1. Install the retaining nuts.
      - Do not over-tighten.
   2. Install the push-on retainers.

**Vehicle Preparation**

2. With the vehicle in NEUTRAL, position it on a hoist. For additional information, refer to WSM Section 100-02.

**NOTE:**
Driver side shown, passenger side similar.

3. Remove and discard the front bumper side bezels.
   - Remove the 3 retainers.
4. Locate the vehicle's existing fog lamp wire harness connector C134.
   • Connector C134 has Black and Brown/Yellow wires.

5. If equipped, remove the protective cap from connector C134.

Install Fog Lamp Kit

6. Install the kit-provided fog lamp jumper harness (15A211) to the bumper, and route to the fog lamp mounting areas as shown.
7. Install the kit-provided fog lamp, bracket and bezel assembly. For additional information, refer to Fog Lamp removal and installation in WSM Section 417-01.

"XL" vehicles

8. Replace the vehicle's existing headlamp switch with the kit-provided fog lamp function switch. For additional information, refer to Headlamp Switch removal and installation in WSM Section 417-01.

NOTE:
A minimum of 2 IKTs devices are necessary to complete the new BCM configuration.

9. Replace the vehicle's existing BCM, with the kit-provided BCM. For additional information, refer to BCM removal and installation in WSM Section 419-10.

10. Verify that the BCM, headlamps and fog lamps operate properly.
   • For BCM troubleshooting concerns or if any related DTCs are present, refer to BCM diagnostics for diagnostic procedures. For additional information, refer to WSM Section 419-10.

"XLT" vehicles

11. Using a suitable tool (such as a pocket screwdriver), remove the light sensor wire harness plug from the instrument panel.
   • Disconnect the electrical connector.
12. Connect the electrical connector and install the light sensor.

13. Replace the vehicle's existing headlamp switch with the kit-provided fog lamp function switch. For additional information, refer to Headlamp Switch removal and installation in WSM Section 417-01.

All vehicles

14. After Installing the kit provided headlamp switch and light sensor, program the vehicle using the IDS (must use V72 or higher).
   1. Start a new session and ID the vehicle.
   2. Select - Tool Box, then select the following - Module Programming - Programmable Parameters - Exterior Lighting.
   3. Select - Ambient Light Sensor - (BdyCM) =.
      ▪ Set to "Present".
   4. Select - Auto Lamp Delay Switch - (IC) =.
      ▪ Set to "Enabled".
5. Select - Auto Lamp Delay Switch - (BdyCM) =.
   - Set to "Enabled".

15. After programming is completed, clear any DTCs generated during programming.
   - Perform self test again to ensure that no DTCs are present.

16. Verify that the headlamps, fog lamps and auto lamp function operate properly.