**TECHNICAL SERVICE BULLETIN**

**NUMBER**: 16TSB-88  
**TYPE**: URGENT SERVICE ALERT

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**TITLE**: FORD F250-F550 PLOW LED LIGHT FLICKERING

**REV** | **ISSUED** | **REVISED**  
| B | 10/21/2019 | 11/15/2019 |

**AFFECTS**: 16160800 LED Plow Lights

**INFORMATION**

When using the SnowDogg LED lights (16160800) you may experience flickering when truck Daytime Running Lights are active. This occurs under daylight conditions when the truck is in gear (so it will not occur in the shop or when the truck is in Park).

This is caused by the signal generated by the Ford BCM. This signal is different for the upper and lower headlights. To correct this, the installation instructions for the the 16071102/16071230 headlight adapter kit have been updated to allow for proper operation. The GRAY truck harness and UPPER headlights must connect to the the main adapter (16071100) and the BLACK truck harness and LOWER headlights must connect to the H13 DISABLE HARNESS (16071230).

**CORRECTION**

For an existing installation:

1. Follow the instructions in 16071230INST rev C to access the rear of the truck lights.
2. Swap the SnowDogg harness connectors at the truck headlights (upper and lower)
3. Swap the truck harnesses where they connect to the SnowDogg harnesses (upper and lower)

You will have:
- 16071230 RELAY HARNESS on the LOWER light with the BLACK TRUCK HARNESS
- 16071100 ADAPTER on the UPPER light with the GRAY TRUCK HARNESS

4. Reassemble the lights

When complete- the GRAY TRUCK HARNESS be connected to the SNOWDOGG ADAPTER (16071100) and the UPPER HEADLAMP as shown below.

Contact SnowDogg Tech Support at 866-974-3644 with questions
SnowDogg® Snowplow Headlight Adapter

INSTALLATION INSTRUCTIONS

16071230

FORD SUPERDUTY 2017+ HALOGEN H13 DISABLE HARNESS

(TO BE USED WITH 16071100 H13 HEADLIGHT ADAPTER)

NOTE: THIS HARNESS IS ONLY FOR THE FORD HALOGEN LIGHTING SYSTEM.

This installation does not require any modification or splicing into truck OEM wiring but does require tapping into wires in the 16160100 relay harness.

This harness cuts off power to the lower lights on the truck when the plow is connected. If the plow is disconnected while the truck is running, the lower lights may be disabled until the truck is restarted.

INSTRUCTIONS

1. Check all light functionality before working on the truck.
2. Remove the bumper
3. Remove the plastic guard and the fasteners securing the grill.
4. Remove the grill – the grill is secured with clips – the 4 lower clips must be released as shown below. No screws are used to secure the grill.
5. Unfasten the headlights – there are four fasteners located as shown below. Secure the headlights so they do not fall.

-continued on back
6. Disconnect the GRAY vehicle harness from the upper headlamp and install the 16071100 kit between truck harness and upper headlamp.

7. Check plow light functionality. Everything should work normally except that the lower headlights will not disable when the plow is connected.

8. Disconnect the BLACK vehicle harness from the lower headlights and install the 16071230 auxiliary harnesses between the truck harness and upper headlamp on both sides. Ensure that all connections are secure.

G1 PLOW - 16160100 RELAY HARNESS (OLD STYLE)

10a. Find the BLACK wire bundle coming out of the relay module (16160100), OLD STYLE – it is in the fatter harness sleeve leading to the grill connector.

11a. Insert 2 clip on bullet sockets into any of the BLACK wires.

12a. Find the ORANGE wire coming out of the relay module. It should be connected to the RED/WHITE wire from the control harness.

13a. Install 2 clip on bullet sockets into the ORANGE wire.

G2 PLOW - 16160102 RELAY HARNESS (NEW STYLE)

10b. Find the WHITE/BLACK wire bundle coming out of the relay module (16160102), it is the fatter harness leading to the grill connector.

11b. Insert 2 clip on bullet sockets into any of the WHITE/BLACK wires (16160102)

12b. Find the ORANGE wire coming out of the relay module. It should be connected to the RED/WHITE wire from the control harness.

13b. Install 2 clip on bullet sockets into the ORANGE wire.

14. Connect the GRAY WIRE w/bullet connector from 16071230 to the CLIP ON CONNECTOR just installed in the BLACK or WHITE/BLACK wires.

15. Connect the ORANGE WIRES w/bullet connector from both sides to the socket connector just installed in the ORANGE wires.

NOTE:
CONNECTING THE GRAY VEHICLE HARNESS TO THE 16071100 ADAPTER IS CRITICAL FOR PROPER OPERATION OF 16160800 LED PLOW LIGHTS. FAILURE TO DO SO MAY RESULT IN LIGHT FLICKERING.