

SnowDogg® Snowplow Headlight Adapter

INSTALLATION INSTRUCTIONS

16073130

FORD F-150 2018+ LED BREAKOUT CONNECTOR (16 PIN)

NOTE:

THIS HARNESS IS ONLY FOR THE LED LIGHTING SYSTEM

When the plow is connected and a headlight is activated this relay kit blocks the truck light signal and uses battery to power the plow lights per Ford's recommendation. When the plow is connected and headlights are not active – the relays do not energize.

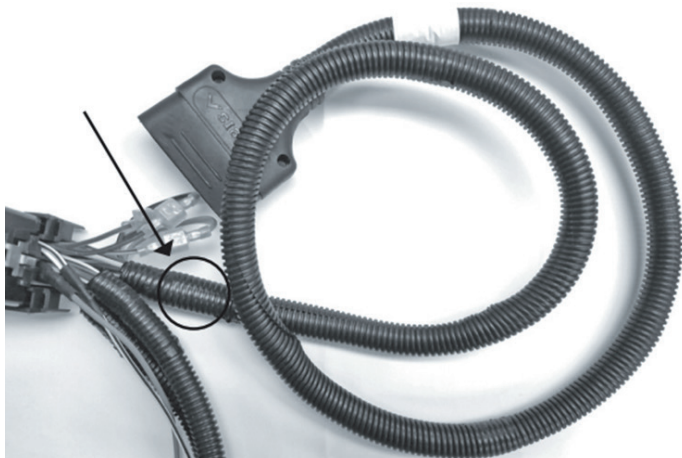
This installation does not require any modification or splicing into truck OEM wiring but does require tapping into wires in the 16160100 OR 16160102 relay harness.

INSTRUCTIONS

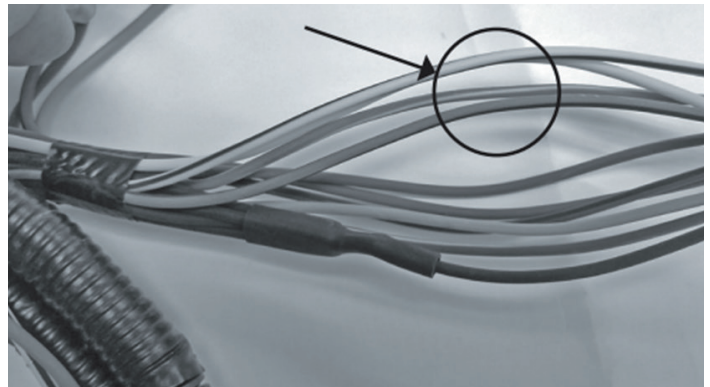
1. Disconnect the FORD 16 pin breakout connector in both PS and DS light harnesses.
2. Connect the 16073130 adapters to the OEM headlight connectors and the truck harness connectors.
3. Connect the 16073130 adapters to the Snowdogg light harness (#16160100 Gen 1 or #16160102 Gen 2) connectors included with the snowplow. This is the harness with the relay module.

RELAY KIT INSTALLATION

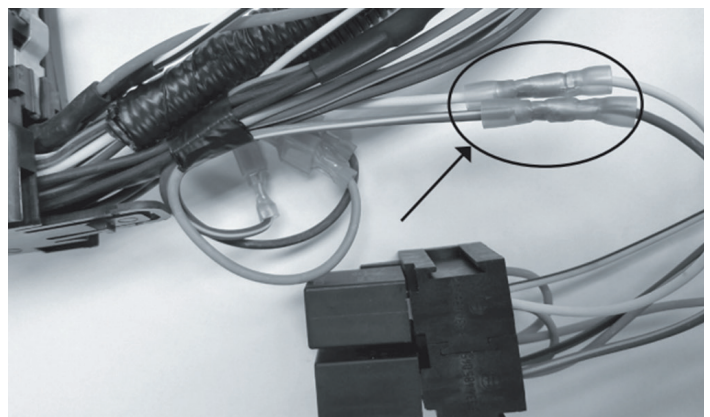
4. The 16073130 RELAY KIT is installed into the harness going between the GRILL CONNECTOR and the 16160100 or 16160102 harness RELAY MODULE.



5. Pull the sheathing back on the harness away from the relay module and find the 2x GREEN and 2x YELLOW wires.

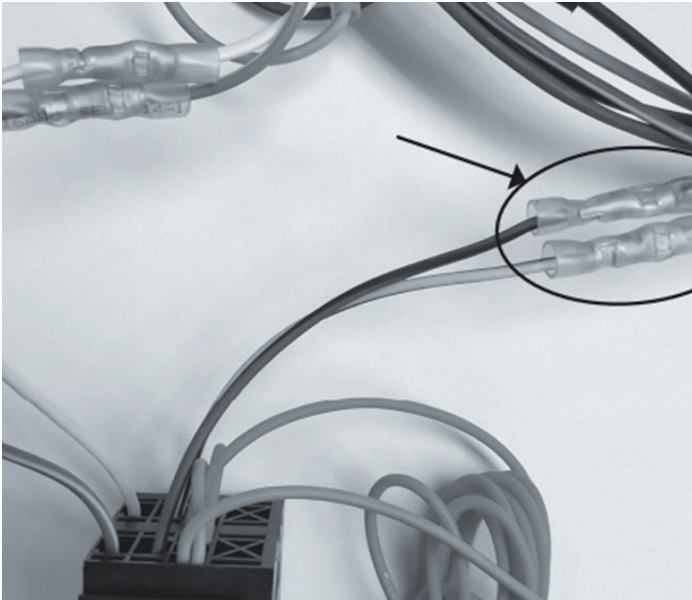


6. Cut all 4 wires
7. Tape off the GREEN/BLK and YEL/BLK wires coming from the 16160100 or 16160102 RELAY MODULE – they will not be used.
8. Strip the remaining 6 wires to expose approximately 3/8" of bare wire.
9. Connect the single GREEN/WHITE wire coming from the RELAY MODULE to the GREEN/WHITE or SOLID GREEN wire with butt connector from the RELAY KIT.
10. Connect the single YELLOW/WHITE wire coming from the RELAY MODULE to the YELLOW/WHITE or SOLID YELLOW wire with butt connector from the RELAY KIT.



11. Connect the YELLOW/WHITE and YELLOW/BLK wires going to the GRILL CONNECTOR to the YELLOW/BLK wire from the RELAY KIT.

12. Connect the GREEN/WHITE and GREEN/BLK wires going to the GRILL CONNECTOR to the GREEN/BLK wire from the RELAY KIT.



The butt connectors are heat shrink style – so using a torch or hot air gun, shrink the connectors.

13. Connect the GRAY or BLACK wire from the RELAY KIT to a suitable GROUND

14. Connect the RED wire from the RELAY KIT to POWER.

15. Check all light functionality – both with and without the plow lights connected.