

Note

It is the responsibility of the installer to ensure that the harnesses are protected from all sharp edges and sharp bends.

Components

- 1- Installation Guide
- 1- TND
- 1- Installation Kit
- 1- Power Cable DTY 20747
- 1- Device cable DTY 20682

Tools Required

- 1- roll electrical tape
- 1- wire cutter/stripper
- 1- Crimpers
- 1- ¼" and 3/16" driver
- 1- #2 Phillips head
- 1- # 12 Torques driver

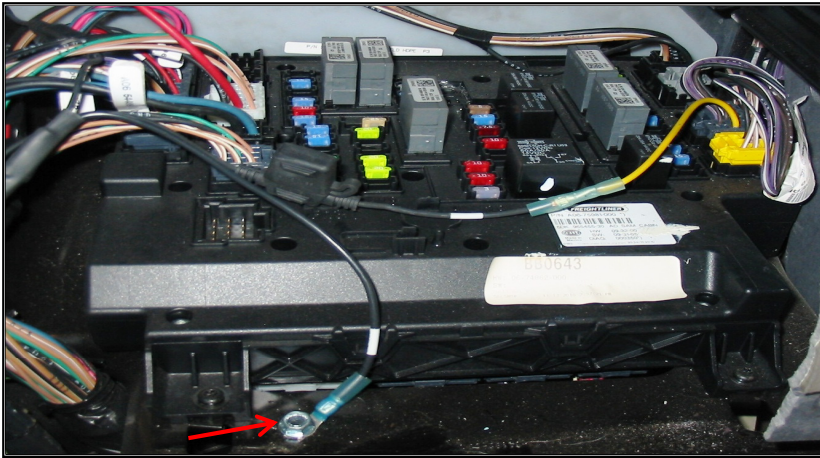
2013- Newer Freightliner (Cascadia) "TND" "Hydra Cable" Installation Guide

1. Ensure vehicle ignition is in the off position. Remove "fuse relay panel cover" passenger side dash and dog house lower dash panel.
2. Find a suitable mounting location for TND.
3. Route DTY20747 power and ground wires to power source in fuse relay panel shown in "Figure 1".
4. Route J1939 wires to "Terminating Resistor" which is located below dash panel passenger side shown in "Figure 4".
5. Remove terminating resistor and re-install on "Y" cable DTY20747 reconnect mating connector end into truck side connector.
6. Route J1708 wires to Splice Saver connector blocks below dash panel, adjacent to J1939 Terminating Resistor, shown in "Figure 4".
7. Connecting into fuse relay panel: "Turn off Battery power switch" Power connection point "Refer to Figure 1"; remove terminal block from fuse relay panel. Using a small screwdriver release lock clip insert power connector pin in terminal block and lightly squeeze terminal block to initiate terminal lock. Replace terminal block. (Figure 2 Battery connection)
8. Connect Ground wire, Refer to "Figure 3".
9. Connect DTY 20747 cable to DTY20682 device cable, route cable to TND and connect to device.
10. Turn Battery switch on.
11. Initiate power to TND and begin final checks and operations.

Note

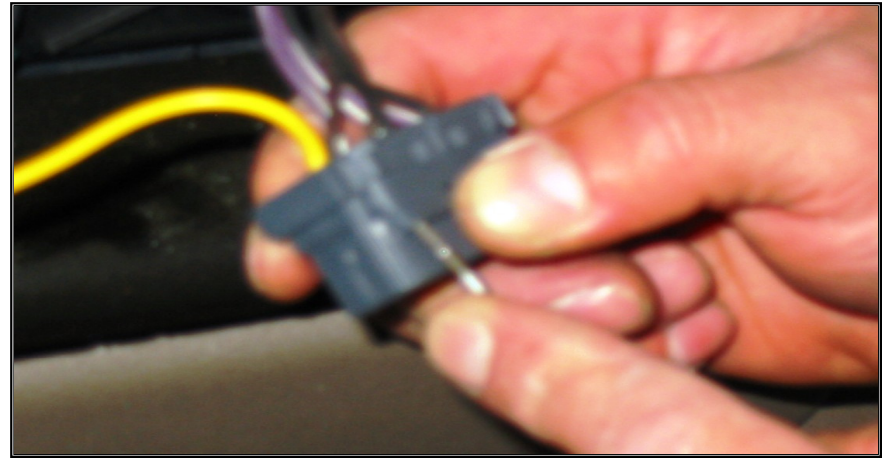
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2013/ Newer Freightliner (Cascadia) "TND"
"Hydra Cable" Installation Guide



Ground

Figure 1



J1708/J1587

Figure 2

J1939 Terminating Resistor

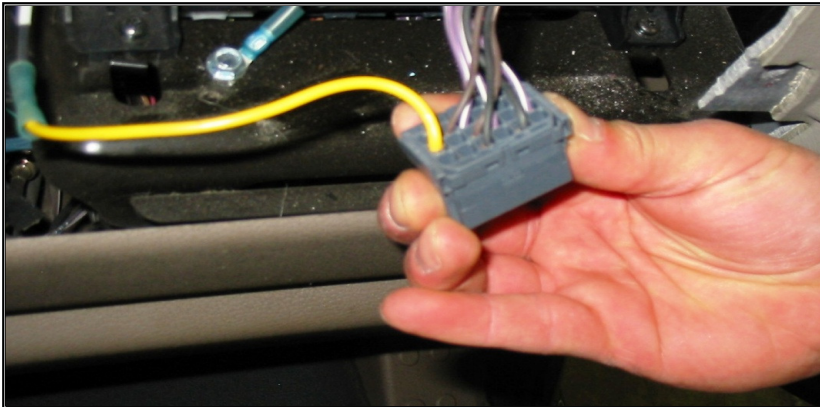
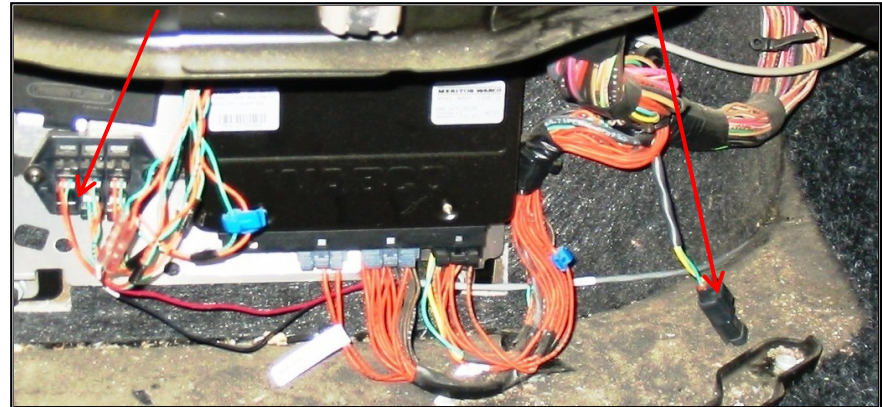


Figure 3



Note

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With the access panel below the dash in between the seats removed, the J1708/ J1587 and J1939 wiring and connection points are available.

**J1708/J1587 connection blocks “Female Metri-Pack 280 Splice Saver”
– Orange wire + Green wire**

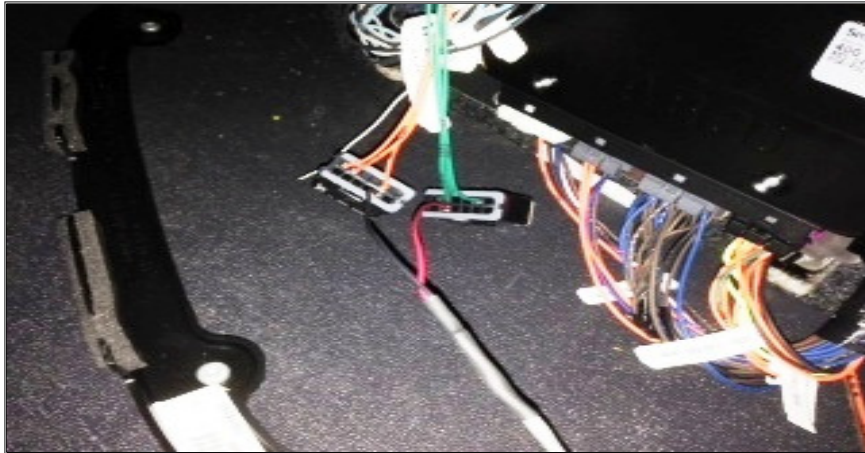


Figure 5

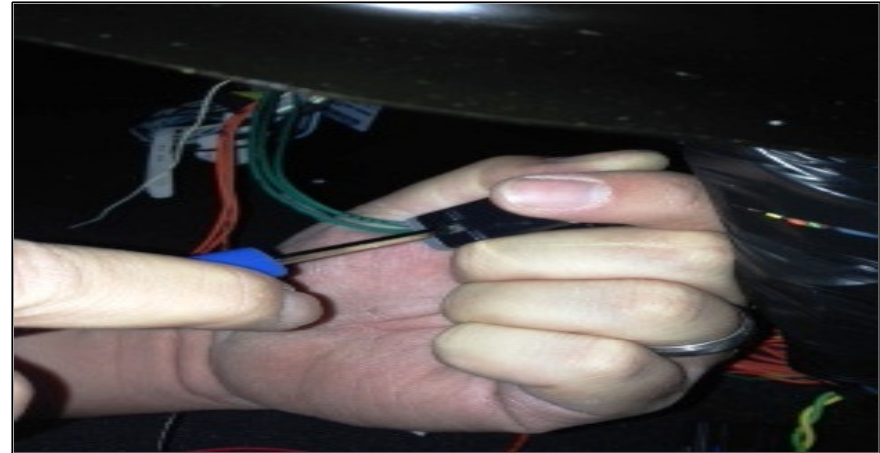


Figure 6



Figure 7



Figure 8

Note

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J1708/1587 connection points

With the access panel below the dash in between the seats removed, the J1708/J1587 and J1939 wiring and connection points are available.

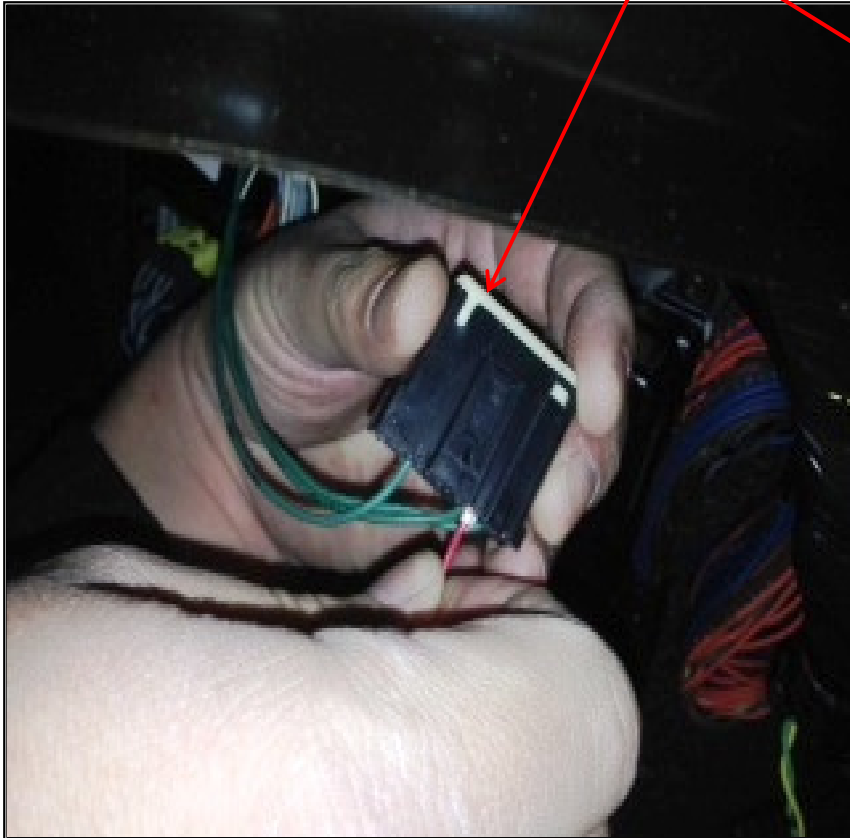


Figure 9

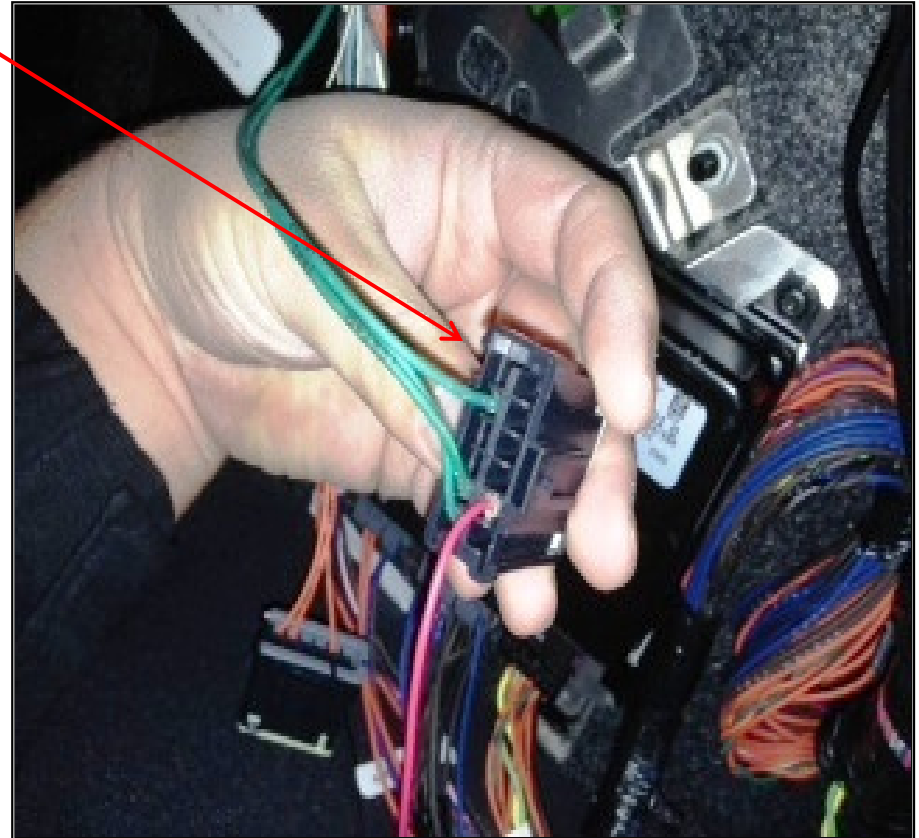


Figure 10