

Note

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

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

Components

- 1- Installation Guide
- 1- HD-100
- 1- Installation Kit
- 1- Power Cable DTY 20747
- 1- Device cable DTY 20683

2013- Newer Freightliner (Cascadia) "HD-100" "Hydra" 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 HD 100.
3. Route DTY20747 power, ground and ignition 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 s 4 thru 9" Splice Saver connectors.
5. Remove terminating resistor and re-install on "Y" cable DTY20747 reconnect mating connector end into truck side connector.
6. Route J1708 wires to connector block 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 Hydra cable DTY 20747 to DTY 20683 Device cable and rout to HD-100 location.
10. Turn Battery switch on.
11. Initiate power to HD 100 and begin final checks and operations.

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CONNECTING POWER AND GROUND

Insert Battery and Ignition connector pins in center row of connector blocks

Battery "Power"

Ignition Source

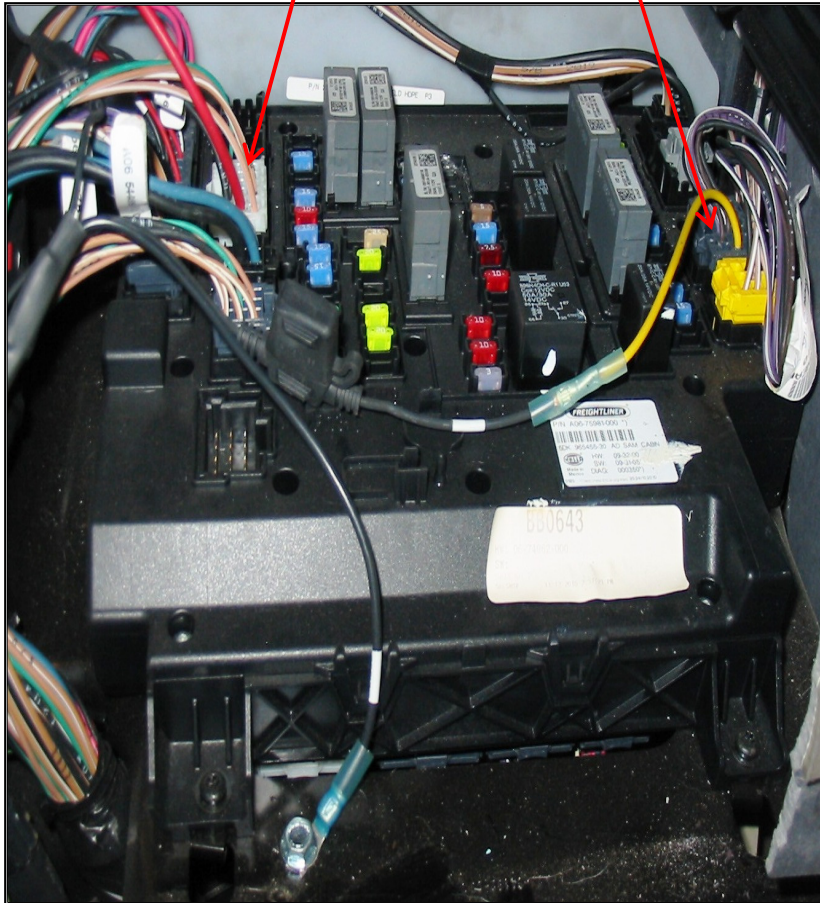


Figure 1 Fuse relay panel



Figure 2 Battery

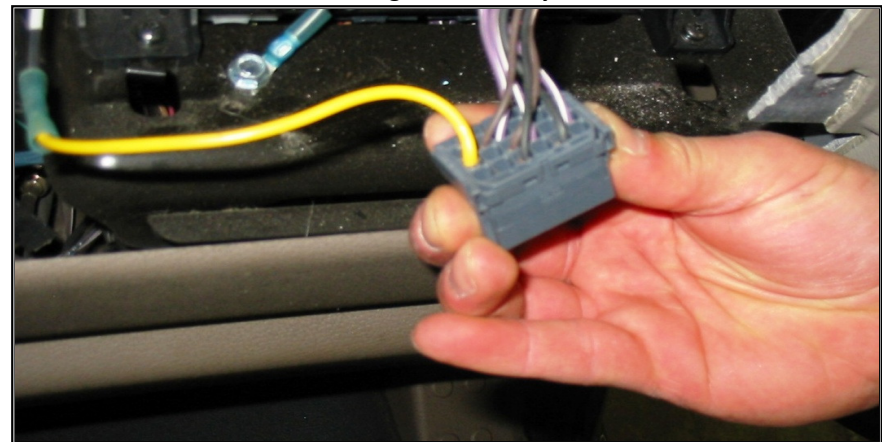


Figure 3 Ignition

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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

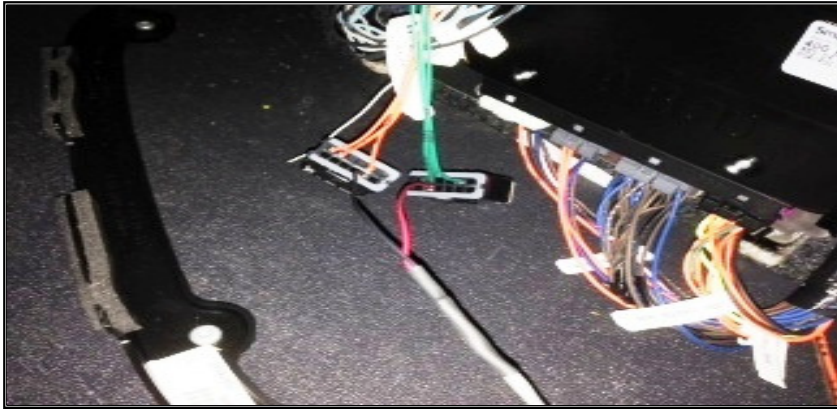


Figure 4

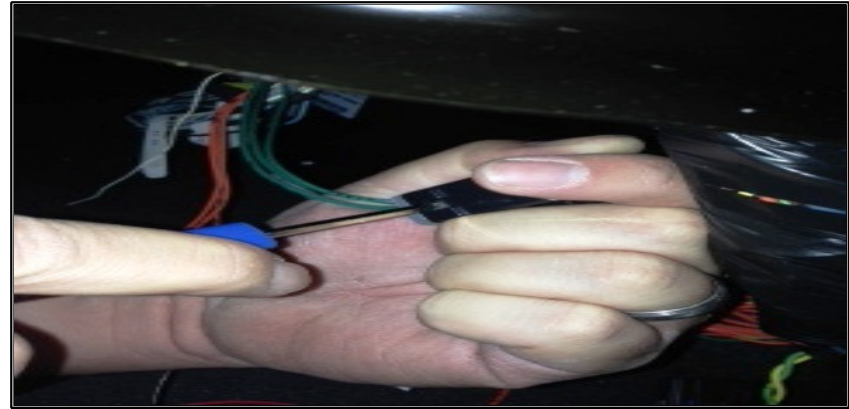


Figure 5



Figure 6



Figure 7

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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 8

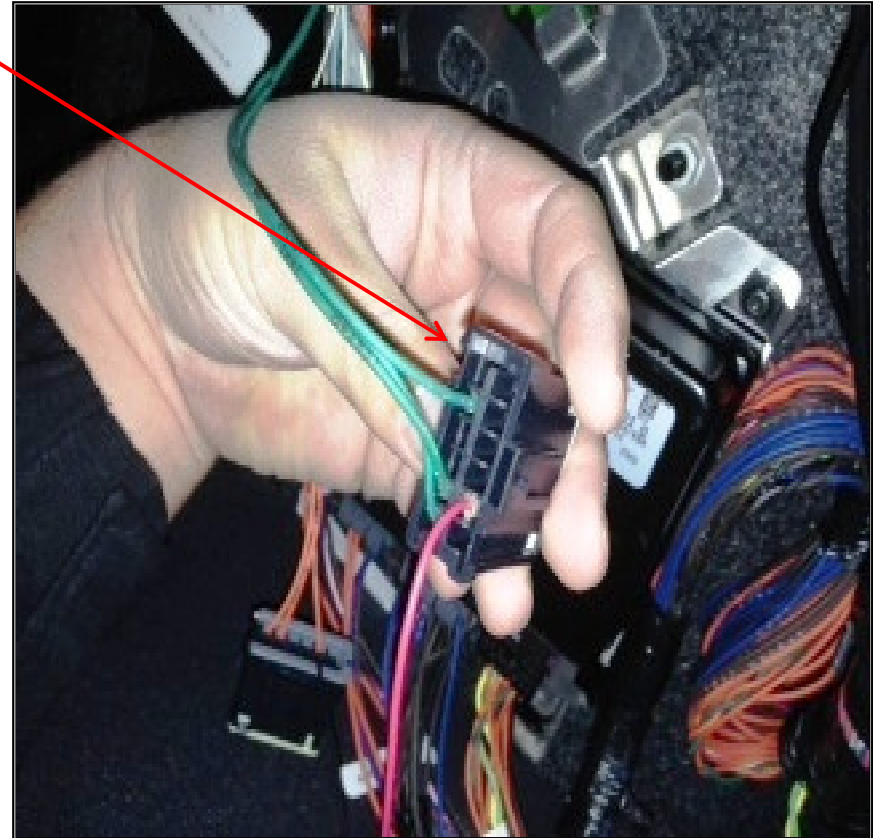


Figure 9

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

J1939 connector and Terminating Resistor

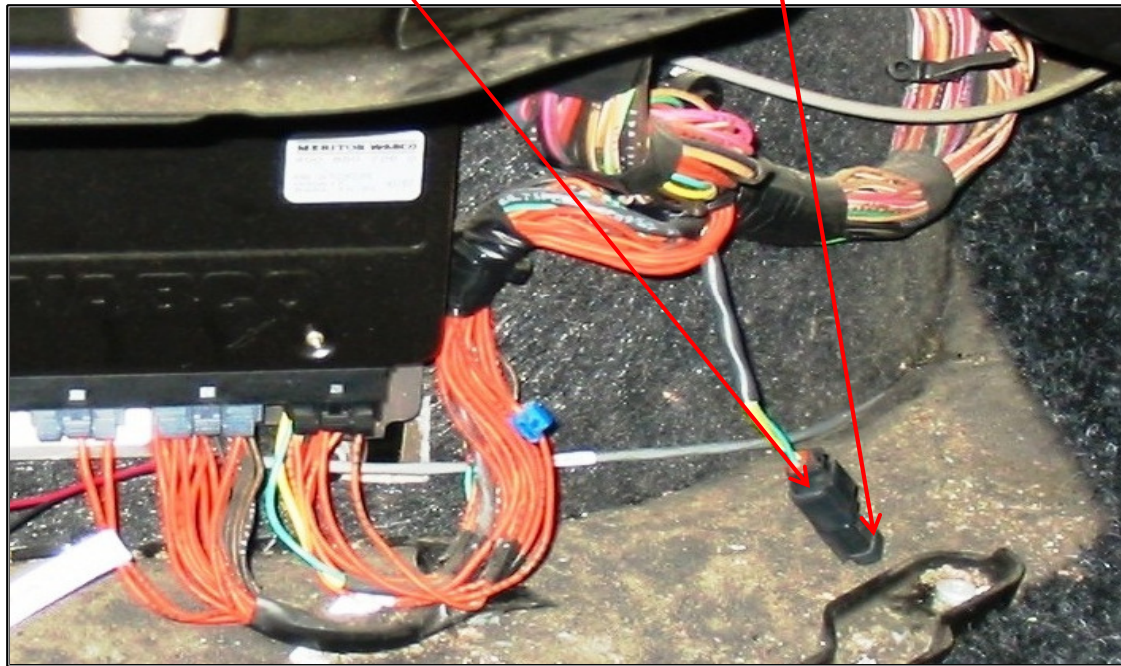


Figure 10