

Note

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Components

- 1- Installation Guide
- 1- Truck PC
- 1- Installation Kit
- 1- Power Cable DTY 20746
- 1- Device Cable DTY 20680
- 1- Display
- 1- Display Cable

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

2009-2012 Freightliner (Cascadia) Truck PC "Hydra Cable" Installation Guide

1. Ensure vehicle ignition is in the off position. Access "fuse relay panel" behind glove box. Also, remove dog house, lower center dash panel.
2. Find a suitable mounting location for Truck PC. A suggested mounting location would be behind passenger seat; this location would allow J1939 a direct connection to the Truck PC due to a J1939 (3) meter length restriction.
3. Cable routing; under door jamb is an ideal location for routing power and display cables .
4. Route DTY20746 power, ground and ignition wires to power source in fuse relay panel shown in "Figure 1".
5. Route J1939 wires to "Terminating Resistor" which is located below dash panel passenger side shown in "Figure 4".
6. Remove terminating resistor and re-install on "Y" cable DTY20752 reconnect mating connector end into truck side connector.
7. Route J1708 wires to connector block below dash panel, adjacent to J1939 Terminating Resistor, shown in "Figure 4".
8. Connecting power connection in 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) (Figure 4 Ignition connection).
9. Connect Ground wire, Refer to "Figure 3".
10. Route antenna coax from Truck PC to antenna mounting location. Windshield mounting; mount antenna 3 to 4 inches from metal surface.
11. Connect "Device cable DTY20680" to "Hydra cable DTY20747" connect to Truck PC.
12. Turn Battery switch on.
13. Initiate power to Truck PC and begin final checks and operations.

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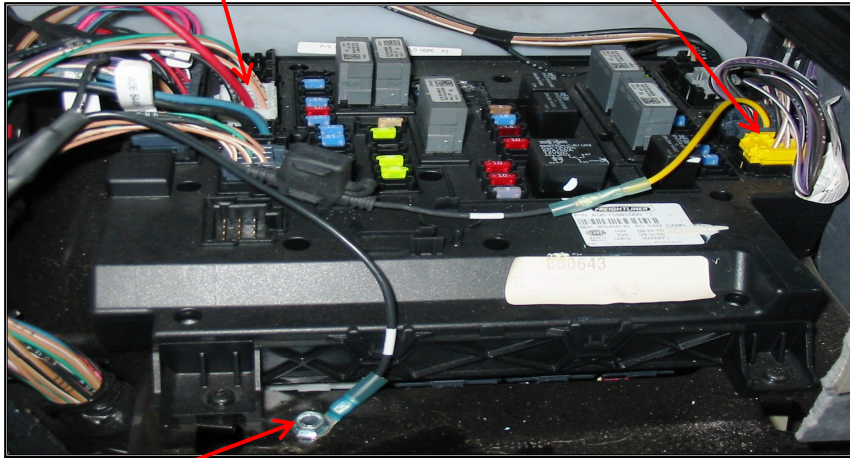
CONNECTING POWER AND GROUND

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

To open connector block:
push down using small
screwdriver at break line
slide screwdriver under
and lift slightly, squeeze
to close.

Battery "Power"

Ignition Source



Ground

Figure 1 Fuse Relay Panel

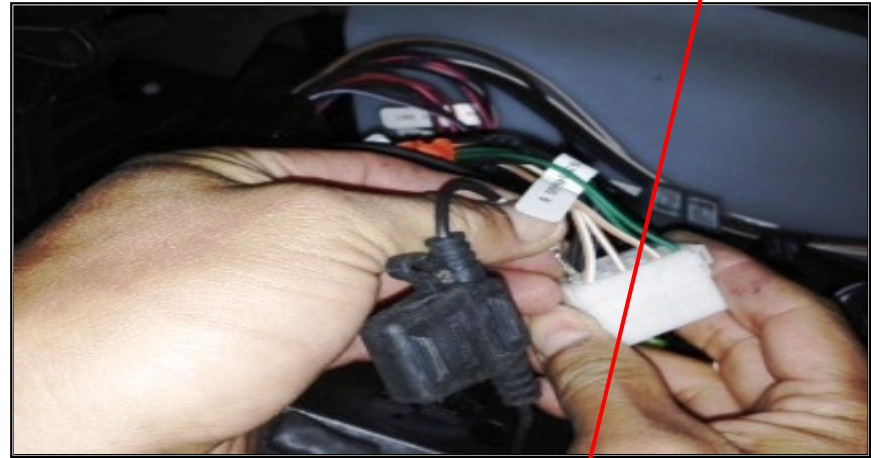


Figure 2 Battery



Figure 3 Ground

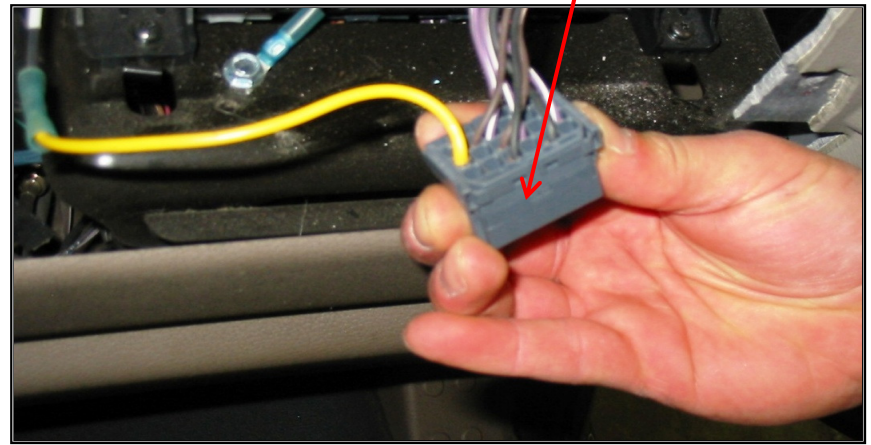


Figure 4 Ignition

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J1708/J1587 and J1939 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.

J1708/J1587 connection block

J1939 connector and Terminating Resistor

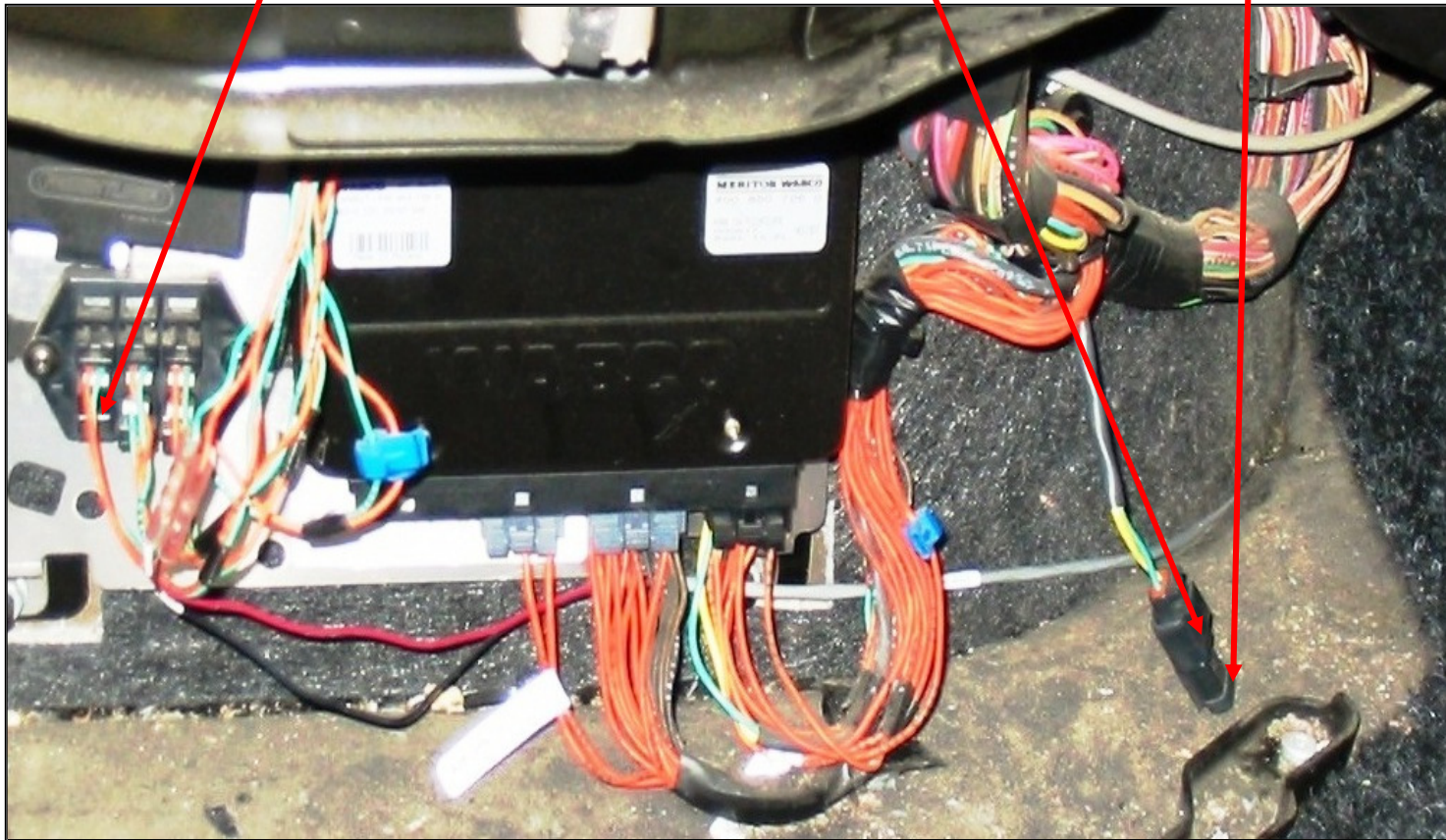


Figure 5