

### 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- Truck PC
- 1- Power Cable DTY 20747
- 1- Device cables DTY 20780  
or Device cable DTY 20781
- 1- Display
- 1- Display Cable
- 1- Antenna

### 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) "Truck PC" "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 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 DTY20747 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 10".
6. Remove terminating resistor and re-install on "Y" cable DTY20752 reconnect mating connector end into truck side connector.
7. Route J1708 wires to Splice Saver connector blocks below dash panel "Figures 4--9, adjacent to J1939 Terminating Resistor, shown in "Figure 10".
8. 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) (Figure 3 Ignition connection).
9. Connect Ground wire, Refer to "Figure 1".
10. Connect DTY 20747 cable to DTY 20780 or DTY 20781 route to Truck PC and connect .
11. Route antenna coax from Truck PC to antenna mounting location. Windshield mounting; mount antenna 3 to 4 inches from metal surface.
12. Turn Battery switch on.
13. Initiate power to Truck PC and begin final checks and operations.

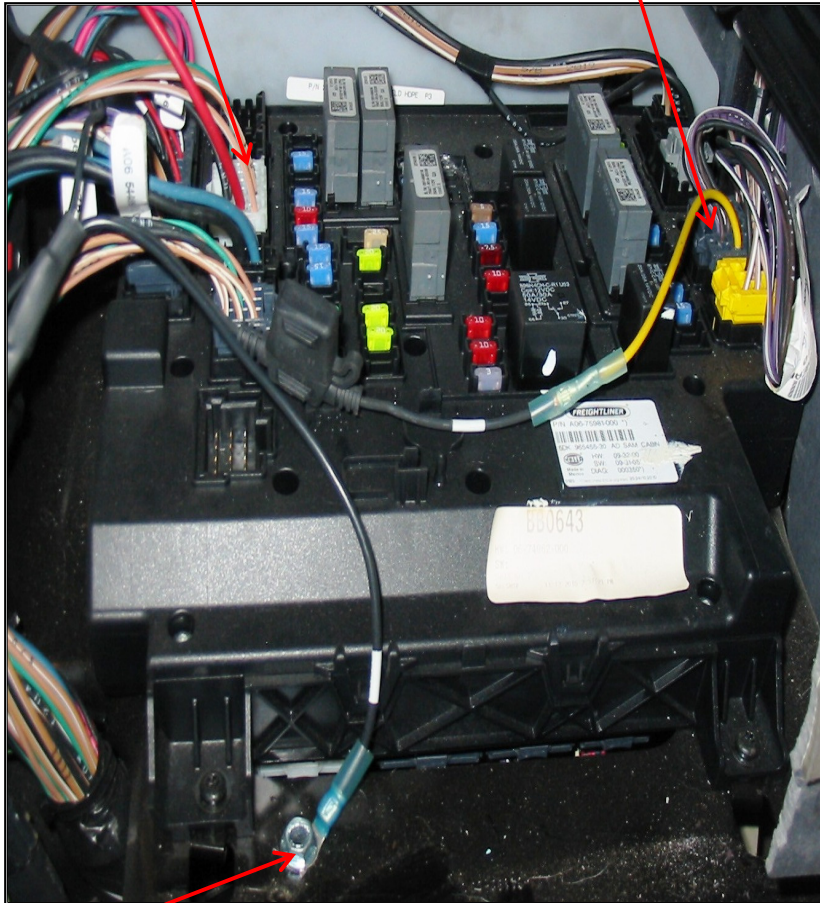
**NOTE**

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

**CONNECTING POWER AND GROUND**  
Insert Battery and Ignition connector pins in center row of connector blocks

Battery Power

Ignition Source



Ground

Figure 1 Ground



Figure 2 Battery

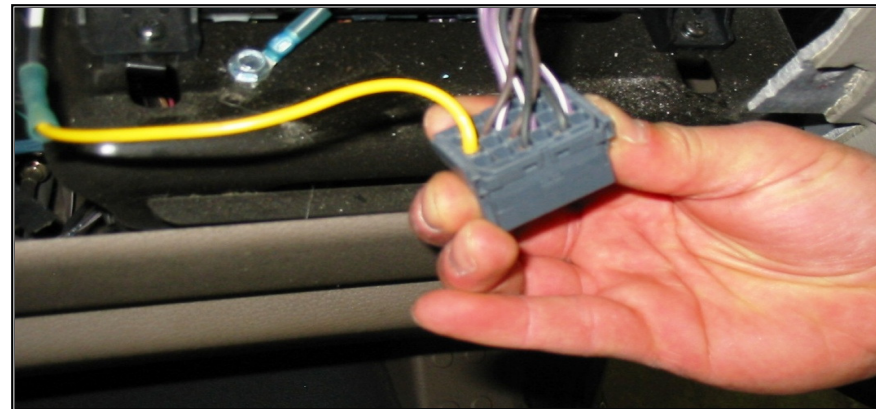


Figure 3 Ignition

NOTE

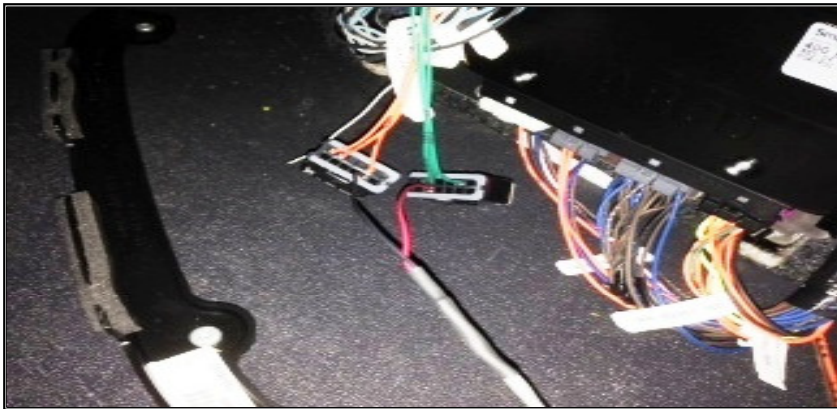
It is the responsibility of the installer to ensure that the harnesses are protected from all sharp edges and sharp bends.

**J1708/J1587 connection points**

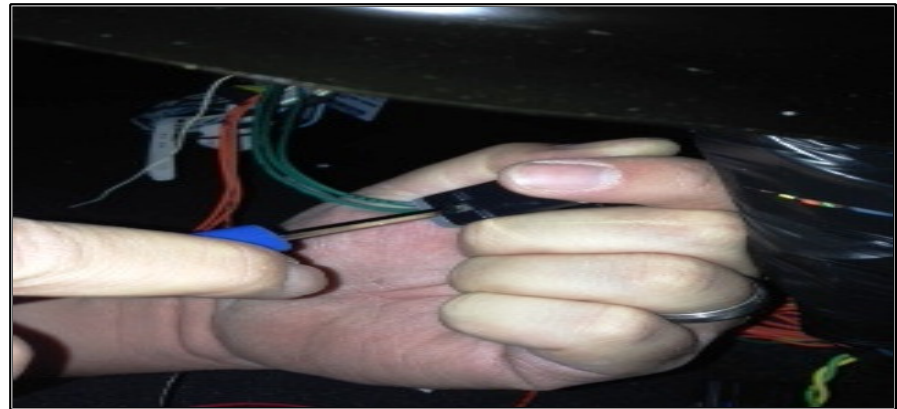
With the access panel below the dash in between the seats removed, the J1708/J1587 and J1939 wiring and connection points are available.

**J1708/J1587 connection blocks**  
**"Female Metri-Pack 280 Splice Saver"**

**Orange wire – Green wire +**



**Figure 4 Splice Saver connectors**



**Figure 5 Splice Saver connector**



**Figure 6 Splice Saver connector**



**Figure 7 Splice Saver connector**

NOTE

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

**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

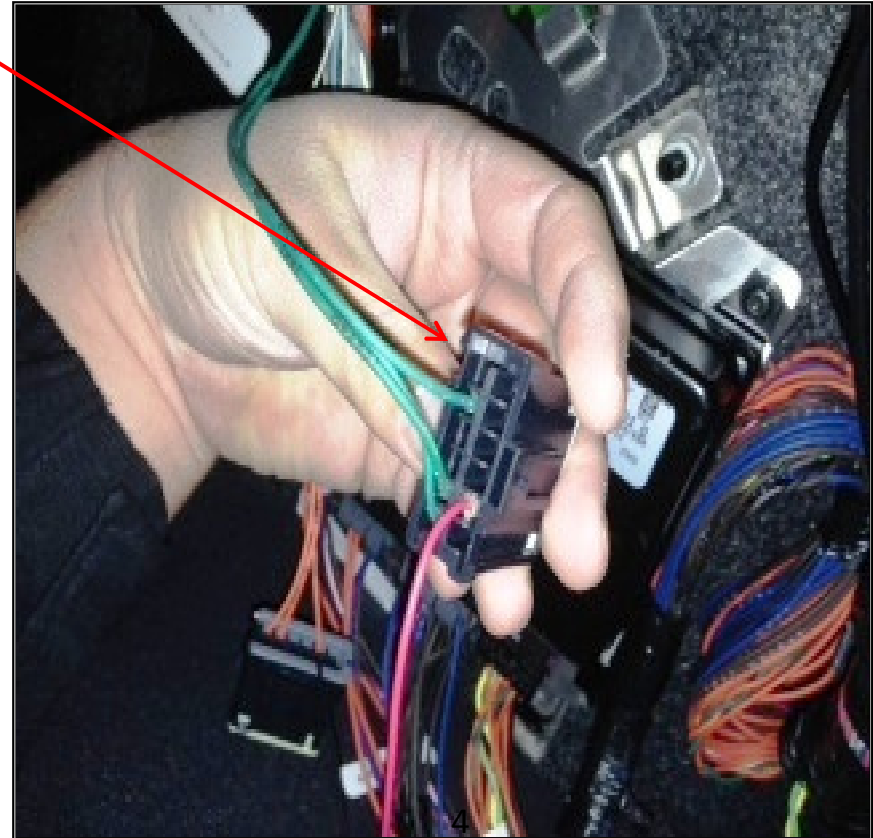


Figure 9

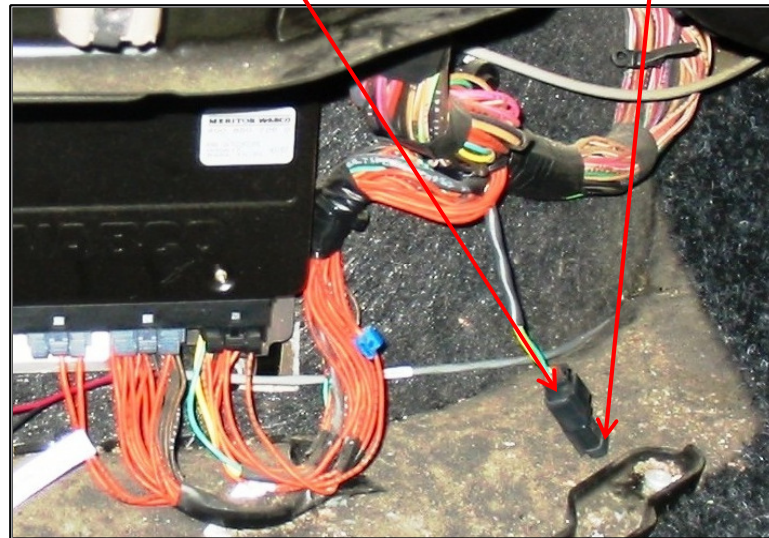


NOTE

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

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

**J1939 connector and Terminating Resistor**



**Figure 10**