

### 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- HD-100
- 1- Installation Kit
- 1- Power Cable DTY 20746
- 1- Device cable DTY 20683

### 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" HD 100 "Hydra Cable" Installation Guide

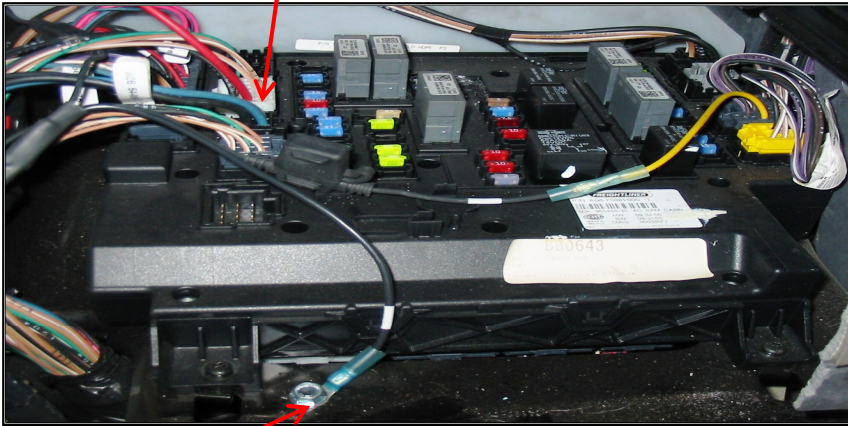
1. Ensure vehicle ignition is in the off position. Remove "fuse relay panel cover" passenger side dash . Also, remove "dog house panel", lower center dash panel.
2. Find a suitable mounting location for HD 100.
3. Cable routing; on most trucks there is usually a "dummy" or "blank" rocker switch on the dash -this is an ideal location for routing power cable out to the HD 100, for a dashboard installation.
4. Route DTY20746 power and ground wires to the power source in fuse relay panel shown in "Figure 1".
5. Route J1939 wires to "Terminating Resistor" which is located below the dash panel on the passenger side shown in "Figure 5".
6. Remove terminating resistor and re-install on supplied "Y" cable DTY20746, reconnect mating connector end into truck side connector.
7. Route J1708 wires to connector block below the dash panel, adjacent to J1939 Terminating Resistor, shown in "Figure 5".
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 "Refer to Figure 3" insert power connector pin in terminal block (Figure 2) and lightly squeeze terminal block to initiate terminal lock. Replace terminal block.
9. Connect ground as per "Figure 1".
10. Connect DTY20683 Device cable to DTY20746 Hydra cable and route to HD-100.
11. Turn Battery switch on.
12. Turn power on the HD 100 and begin final checks and operation.

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**2009/2013 Freightliner "Cascadia" HD 100  
SPIDERCABLE Installation Guide**

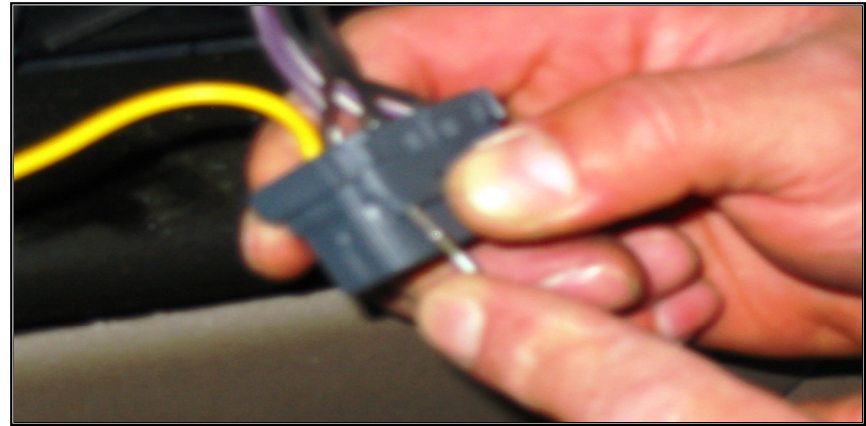
**Battery "Power"**



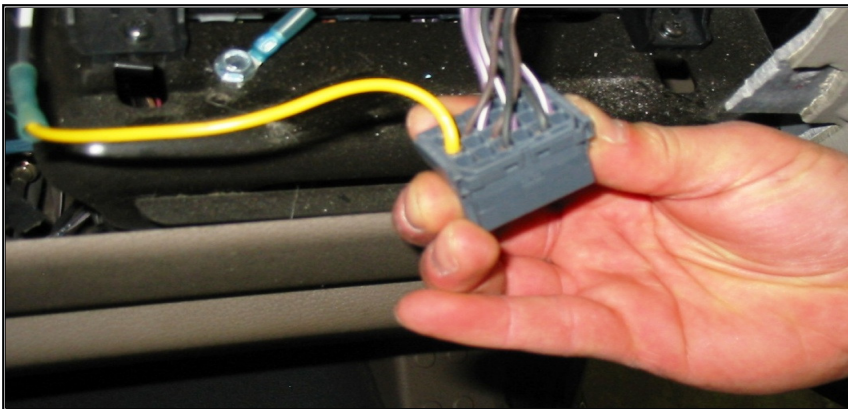
**Ground**

**Figure 1**

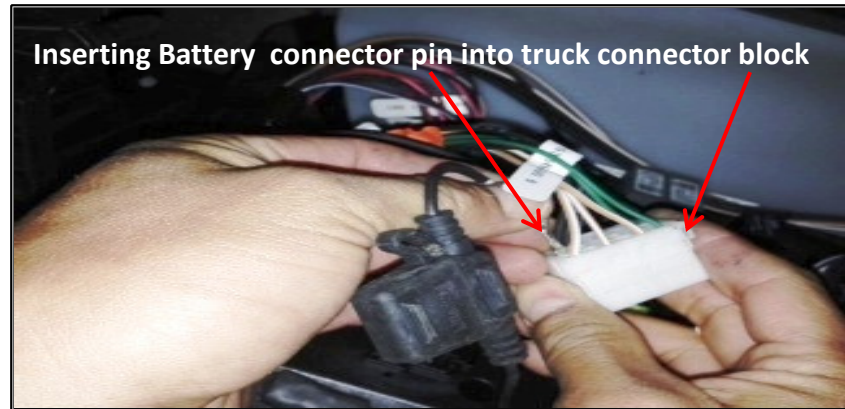
**Terminal block, connector pin release**



**Figure 2**



**Figure 3**



**Figure 4**

**NOTE**

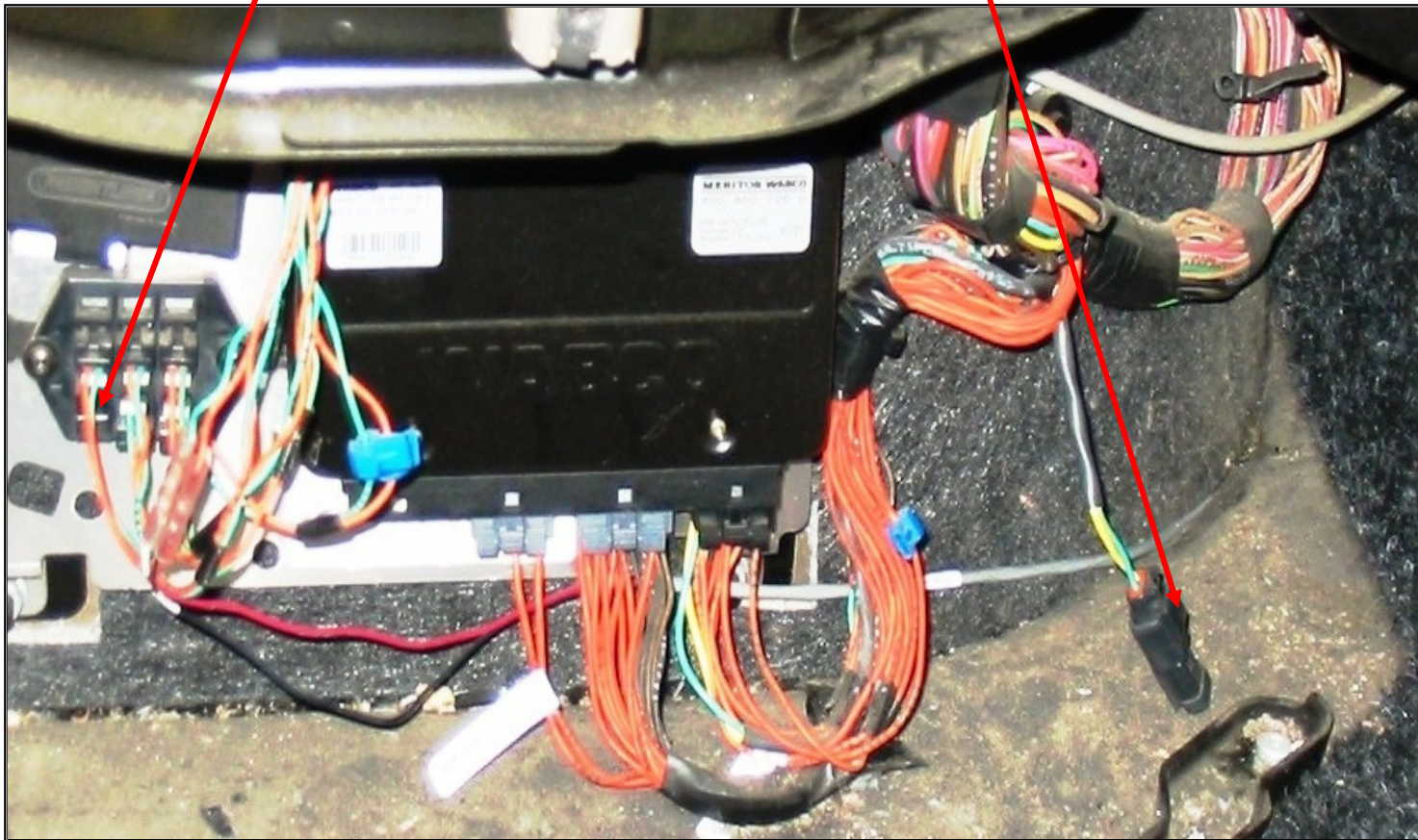
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**J1708/J1587 and J1939 connection points**

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 Termination Resistor



**Figure 5**