NOTE

Kit Contents

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

Volvo, HD 100 "Hydra Cable" Installation Guide

Tools Required

- 1- roll electrical tape
- 1- wire cutter/stripper
- 1- Crimpers
- 1-#2 Phillips head
- 1-#12 Torx bit driver

1 - installation sheet

1- HD-100

1- Hydra Cable DTY20686

1- Device Cable DTY20683

To install HD 100: First, Insure ignition is in the off position, lift fuse relay panel cover, top center of the dash. To lift fuse relay panel cover, remove the two screws behind cup holder just below panel cover.

- 1. Find desired location on dash to Install HD 100. NOTE; cable wiring, remove one of the "dummy" or unused rocker switches to route cable to Fuse Relay panel.
- 2. Inside the fuse relay panel all of the connection points needed will be at hand.
- 3. To install the "DTY20686" Hydra cable: In the fuse relay panel upper right corner (nearest windshield) there is a connector block that includes power, ground and ignition. As seen in following page illustrations. Plug spider cable connectors into vehicle, respective locations.
- 4. J1939 connection is shown with terminating resistor. Remove resistor and connect to "Y" cable mating connector, connect second "Y" cable connector where resistor was removed. J1939 connection complete.
- 5. Connect J1708/J1587 connector to vehicle wiring.
- 6. Insert power and ground connectors in connector block.
- 7. Connect DTY20686 Hydra cable to DTY20683 Device cable route device cable to HD-100.
- 8. Refer to Figure 5 locate correct fuse locations. Insert correct fuses 10 amp power.
- 9. After all connections have been completed, turn ignition to "on position "insure HD 100 powers-up, then insure J1939 JBus and J1708 are active.
- 10. Start truck, do a complete functionality test of HD 100. Replace fuse relay cover.

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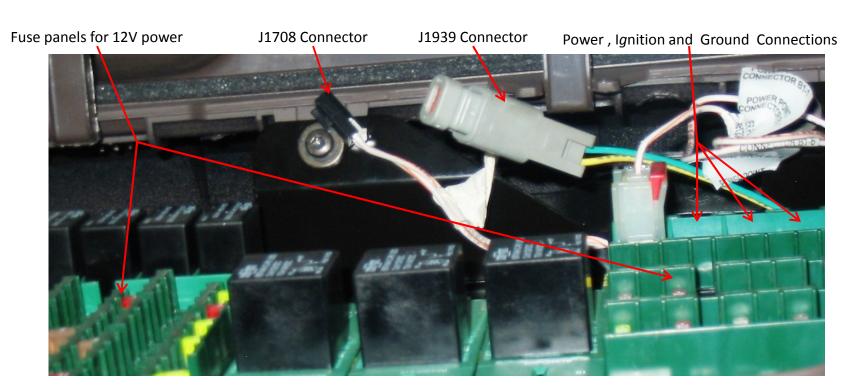


Figure 1

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J1939 Terminating Resistor

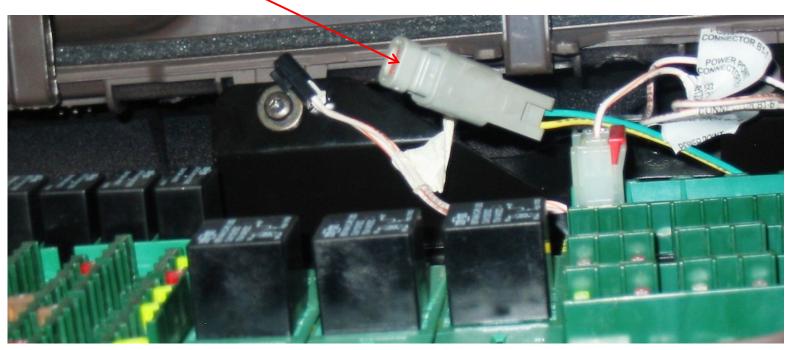


Figure 2

The J1939 connector is equipped with the Terminating Resistor. **To install cable DTU 20600 the resistor must be removed and re-installed in the female "Y" connector of DTY 20600.** The male end of the "Y" connector will reconnect into the connector from where the terminating resistor was removed. This completes the J1939 data link connection. J1708 will also plug directly into the vehicle connectors.

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Fuse Panels

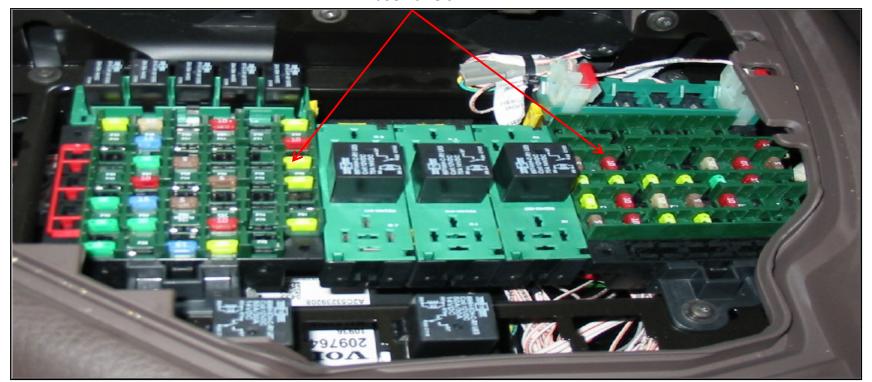


Figure 3

To select the correct fuse locations refer to (Figure 4). The auxiliary connection ports are un-fused.

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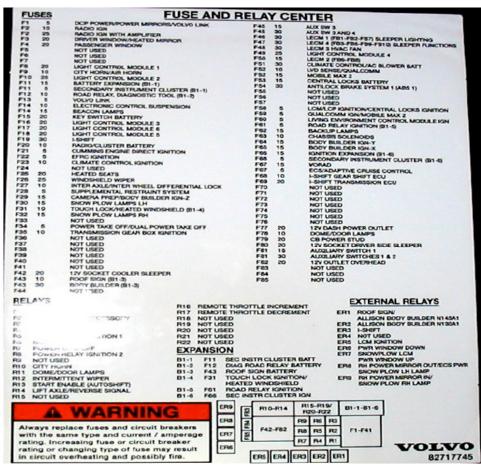


Figure 4

The above guide is located on the lid of the fuse, relay panel. Locate the appropriate power and ground connections then cross reference to install fuse in correct location.