Kit Contents

1 - installation sheet

1- Hydra Cable DTY20686

1- Device Cable DTY20682

1-TND

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-#2 Phillips head
- 1-#12 Torx bit driver

Volvo, TND "Hydra cable" Installation Guide

To install TND: 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 TND. 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 DTY 20682 device cable and route to device.
- 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 TND powers-up, then insure J1939 JBus and J1708 are active.
- 10. Start truck, do a complete functionality test of TND. Replace fuse relay cover.

Volvo, TND Spider cable Installation Guide

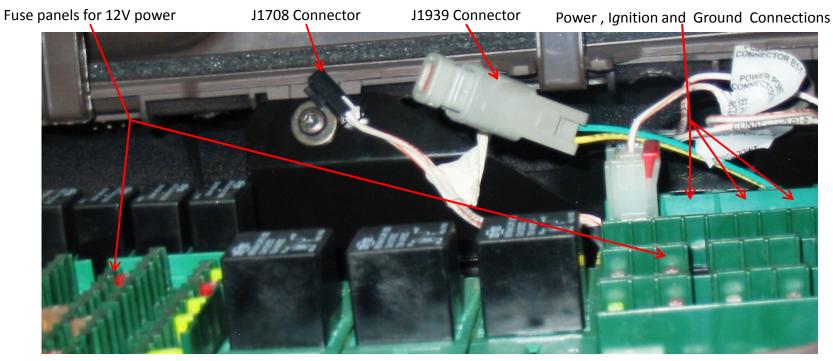


Figure 1

Within the Volvo fuse relay panel shown in Figure 1, J1939, J1708, power, ground and ignition connections are accessible. Vehicles being installed for the first time the J1939 and J1708 are bundled together with zip ties. Remove the ties to access the J1939 wiring and terminating resistor, along with J1708 connectors, shown in (Figure 2).

Volvo, TND Spider cable Installation Guide

J1939 Terminating Resistor

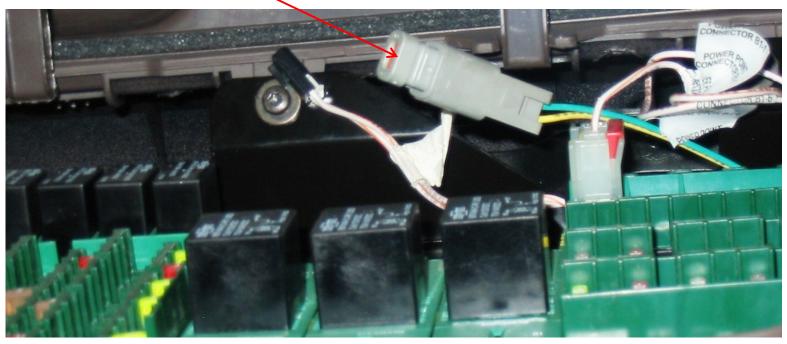


Figure 2

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.

Volvo, TND Spider cable Installation Guide



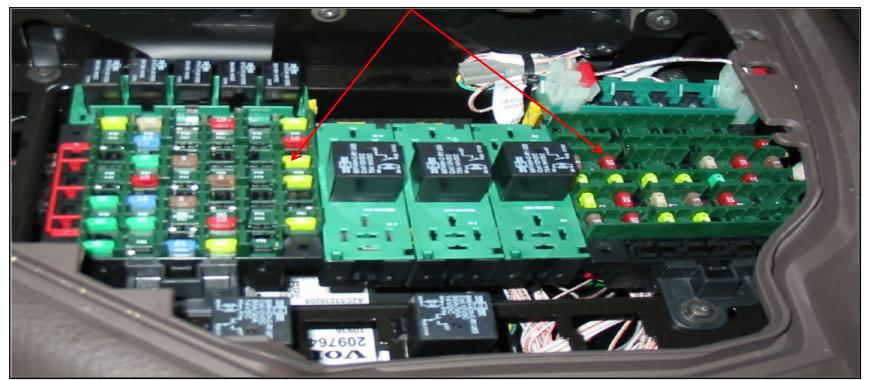


Figure 3

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

Volvo, TND Spider cable Installation Guide

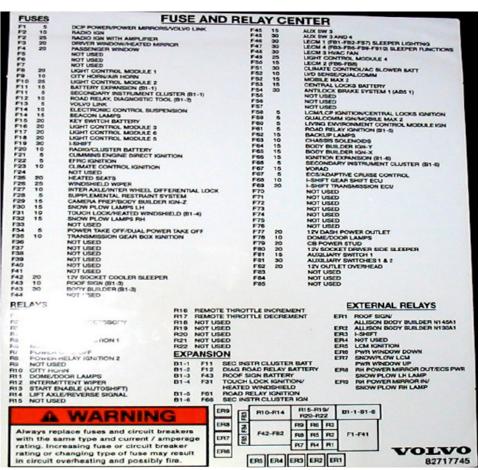


Figure 4

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.