



43745 - Vehicle Wiring Installation Instructions

Volvo XC 90 2005-2013

1. Open tail gate and remove the cargo door on the floor. Carefully remove the floor trim panels and access panels on each side of the vehicle. Set aside all items removed being careful not to damage parts.
2. On the Driver's and passenger sides of the vehicle, locate the vehicle's taillight wiring harness. The harness is located inside the access panel area. The taillight wiring harness will have a connection point, on both sides, matching the ends of the Hopkins® T-Connector. Separate this connector, being careful not to break the locking tabs. All connector surfaces should be clean and free of dirt.
3. On the driver's side, insert the Hopkins® T-Connector end, with the yellow wire, between the vehicle wiring connectors and lock into place. Be careful not to damage the locking tabs and be sure that connectors are fully inserted with locking tabs in place.
4. On the Driver's side route the T-Connector end with the green wire through the trim panel access hole, across the threshold and through the passenger trim panel access hole. Repeat step 3 for the passenger's side using the T-Connector harness end with green wire.
5. Secure the converter module assembly in the driver's side taillight housing area with ny-ties (provided).
6. Locate a suitable grounding point near the converter module to attach to vehicle's frame. Clean dirt and rustproofing from area in order to make good contact to metal. Drill a 3/32" hole and secure white wire ring terminal with self drilling screw (provided.) (Do not drill into vehicle exterior surfaces.) Verify what is behind any surface prior to drilling to avoid damage to the vehicle and / or personal injury.
7. Attach the red power feed wire (provided) by crimping the yellow butt splice on to the converter module assembly. Route the red power feed wire thru a grommet and along the exterior frame underneath the vehicle to the vehicle battery, and secure along underside of vehicle with ny-ties (provided) as needed. Route the wire being careful to avoid any hot pipes, heat shields, the fuel tank or any other points that may pinch or break the wire.
8. Install the fuse assembly with the yellow butt splice (provided) onto the red 12 ga. power feed wire crimping the yellow butt splice to hold it in place.
9. Attach the fuse assembly yellow ring terminal to the positive 12VDC battery cable clamp bolt.
10. Reinstall the trunk threshold, felt trunk liner, and any other items removed during installation.
11. Route the 4-way flat harness to either side of the receiver hitch and secure it with ny-ties.
12. Attach the 4-way flat dust cover (provided) to the 4-way flat connector.
13. Apply a small amount of grease (provided) to the 4-way flat terminals to prevent corrosion.
14. Plug completed wire harness into the trailer 4-way flat connector.
15. Test all functions with the engine running to ensure proper operation.
16. Store 4-flat in trunk area when not in use.

TIPS:

Grease applied to the wiring terminals on a regular basis will help prevent corrosion.

Always unplug boat trailer connector before backing trailer into the water.

Need Help? (English Only)
1-800-835-0129
techsupport@hopkinsmfg.com
www.hopkinstowingsolutions.com