

Installation Instructions

T-Connector



Volvo XC70

⚠ WARNING

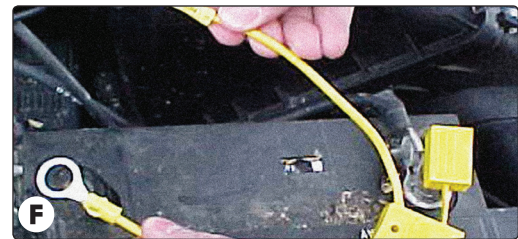
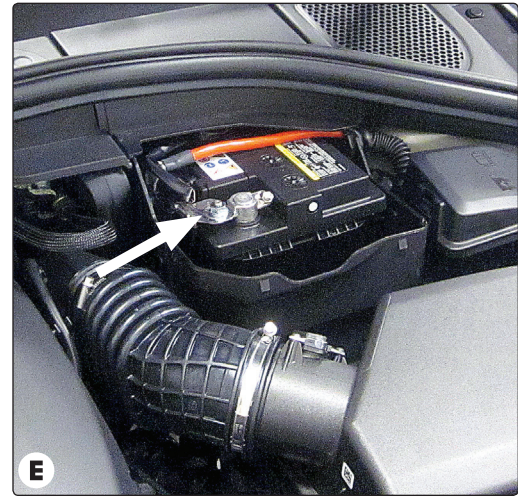
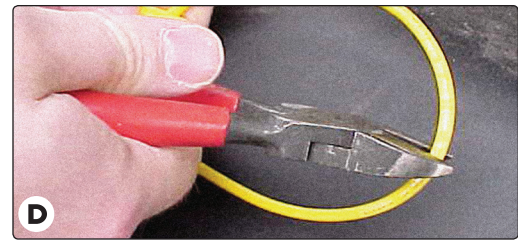
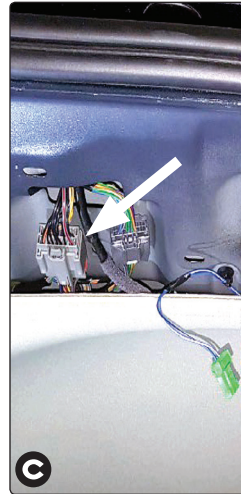
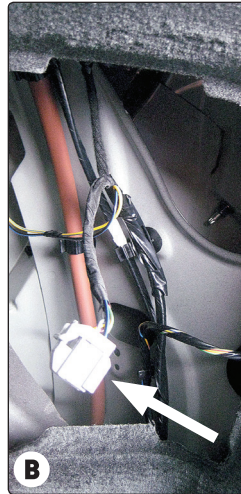


ALWAYS read and follow all warnings and instructions included with purchase before beginning installation. Keep for future reference.

DO NOT exceed lower of towing manufacturing rating (including in your vehicle owner's manual) or specific amperage ratings stated on product.

ALWAYS read, understand and follow all warnings and instructions printed on tow vehicle's battery.

ALWAYS wear safety glasses and use all safety precautions during installation.



TOOLS REQUIRED:

Trim Panel Remover, 10mm Socket & Ratchet or 10mm Wrench, Drill (3/32" Drill Bit), Wire Crimpers, Wire Cutters, Philips Head Screwdriver, Test-probe

1. Open hatch to locate the vehicle wiring inside the vehicle's rear cargo area by partially removing the plastic threshold cover, side panels, and cargo trays **A**.
2. On the driver and passenger sides of the vehicle, locate the vehicle's taillight wiring harness. The taillight wiring harness will have a connection point, on both sides, matching the ends of the T-One® Connector. Separate this connector, being careful not to break the locking tabs. All connector surfaces should be clean and free of dirt **B**.
3. On the driver's side, insert the T-One® 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 **B**.
4. On the Driver's side, mount the T-One® Connector black box using the double-sided tape provided. Secure the remainder of the T-One® Connector harness with the cable ties provided, to prevent damage or rattling and being careful to avoid any areas that would cut or pinch the wire.

5. Locate a suitable grounding point near the connector such as an existing ground stud or drill a 3/32" hole and secure the **white** wire using the eyelet and screw provided. (Do not drill into vehicle floor or bed.) Clean dirt and rustproofing from area.

⚠ CAUTION

Verify what is behind any surface prior to drilling to avoid damage to the vehicle and/or personal injury. Do not drill into any exposed surfaces.

6. Route the connector containing the **green** wire down the threshold to the passenger side of the vehicle.
7. On the passenger's side, insert the T-One® Connector end, with the **green** 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 **B**.
8. On the driver's side, route the T-One® Connector end with the **red** wire, up the driver's side panel and over to the mating connector and lock in place. Be careful not to damage the locking tabs and be sure that connectors are fully inserted with locking tabs in place **C**.
9. On the driver's side, locate the **black** 12 ga. power wire from the T-One® Connector box. Attach the black 12 ga. wire provided. Route the **black** wire along the exterior frame or follow the existing wiring along the thresholds into the engine compartment up to the battery avoiding areas that may pinch or break the wire.

⚠ WARNING

If routing the wire thru a grommet and along the exterior of the vehicle, be careful to avoid any hot pipes, heat shields, the fuel tank or any other points that may pinch or break the wire.

10. Disconnect the vehicle's negative (-) battery cable. If not removed, remove the fuse from the yellow fuse holder (provided). After cutting the fuse holder wire, attach the ring terminal and secure to the vehicle's positive (+) battery cable **D E**. Connect the other end of the fuse holder to the **black** 12 ga. wire, using the yellow butt connector (provided) **F**.

⚠ WARNING

Read and follow all warnings and cautions printed on the tow vehicle's battery. All connections must be complete for the T-One® Connector to function properly. Test and verify installation with a test light or trailer once installed. For initial test, reset vehicle electrical system by temporarily removing the key from the ignition.

11. Secure the remainder of the T-One® Connector harness with the cable ties provided, to prevent damage or rattling and being careful to avoid any areas that would pinch, cut or melt the wire.
12. Reconnect the vehicle's negative (-) battery cable and install the 15 amp fuse into the fuse holder from step 10.

NOTE

Store 4-Flat connector in rear cargo area when not in use.

13. Reinstall the plastic trim panels, threshold, storage covers, floor covering and other items that may have been removed during installation, being careful not to pinch or cut the wires



⚠ WARNING

Overloading circuits can cause fires. DO NOT exceed stated product ratings. Read vehicle's owner's manual & instruction sheet for additional information.