

Installation Instructions

T-Connector



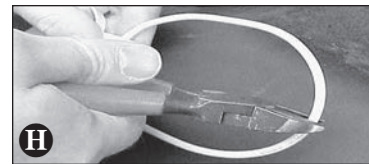
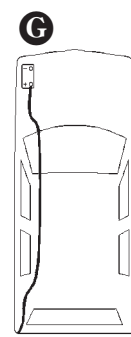
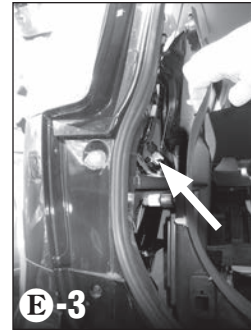
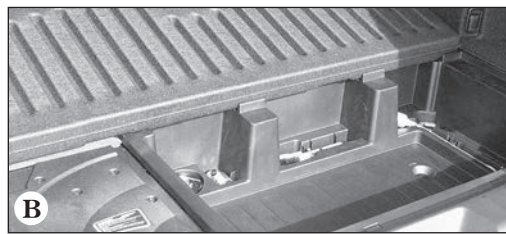
Mazda CX-9



Mazda M5



Mazda M2



TOOLS REQUIRED:

Test-probe, Trim Panel Puller, Drill (3/32" Drill Bit), 10mm Socket, Ratchet, Wire Cutter, Wire Crimper, Phillips Head Screwdriver

- Open rear door and fold rear seat forward **A**. Remove threshold, trunk floor panels and trays. Set aside all items removed being careful not to damage parts **B**.
- On both sides of the vehicle, remove cargo loops and phillips head screws **C** **D**, so that the trim panels can be carefully pulled away from the vehicle.
- CX-9**
On the driver's side, locate the vehicle's taillight wiring harness **E-1**. Separate these connectors, being careful not to break the locking tabs. Check to see that the mating surfaces of the vehicle harness connectors match the T-Connector ends. All connector surfaces should be clean and free of dirt.
- MAZDA-2**
On the driver's side, locate the vehicle's taillight wiring harness **E-2**. Separate these connectors, being careful not to break the locking tabs. Check to see that the mating surfaces of the vehicle harness connectors match the T-Connector ends. All connector surfaces should be clean and free of dirt.
- MAZDA-5**
On the driver's side, locate the vehicle's taillight wiring harness **E-3**. Separate these connectors, being careful not to break the locking tabs. Check to see that the mating surfaces of the vehicle harness connectors match the T-Connector ends. All connector surfaces should be clean and free of dirt.
- On the driver's side, attach the end of the T-Connector containing the **yellow** and the **brown** wires. Ensure that the connectors are fully inserted with locking tabs in place.

- Route the T-Connector containing the **green** wire below the threshold cover to the passenger's side taillight housing. Repeat step 4 using the T-Connector ends containing the **green** wire.
NOTE
Route the 4-Flat through the driver's side trim panel into storage compartment on the threshold and store there when not in use. When in use pull 4-Flat through the door **F**.
- On driver's side, locate a flat surface in a out of the way place and mount the T-Connector's black converter box with the double sided tape.
- Locate a suitable grounding point near the connector such as the vehicle's frame or cross member. (Do not drill into vehicle floor or bed.) Clean dirt and rustproofing from area. Drill a 3/32" hole and secure **white** wire using eyelet and screw provided.
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.
WARNING
Be careful not to pinch harness in door latch.
- On the driver's side, locate the **red** 12 ga. Power wire from the T-Connector box. Attach the **black** 12 ga. wire provided.
- Either route the **black** wire thru a grommet and 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 **G**.
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.

- 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 **H**, attach the ring terminal and secure to the vehicle's Positive (+) battery cable **I**. Connect the other end of the fuse holder to the **black** 12 ga. wire, using the yellow butt connector (provided) **I**.
WARNING
Read and follow all warnings and cautions printed on the tow vehicle's battery.
- Reconnect the vehicle's Negative (-) battery cable and install the 10 amp fuse into the fuse holder from Step 10.
WARNING
All connections must be complete for the T-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.
- Secure the remainder of the T-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.
- Reinstall the plastic trim panels, threshold, storage covers, floor covering and other items removed during installation, being careful not to pinch or cut the wires.
WARNING
Overloading circuit can cause fires. DO NOT exceed lower of towing manufacturer rating or:
 - Max. stop/turn light: 1 per side (2.1 amps)
 - Max. tail lights: (5.6 amps)
 Read vehicle's owners manual & instruction sheet for additional information.

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