

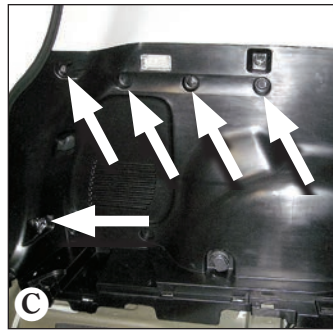
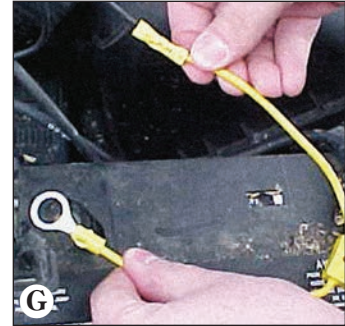
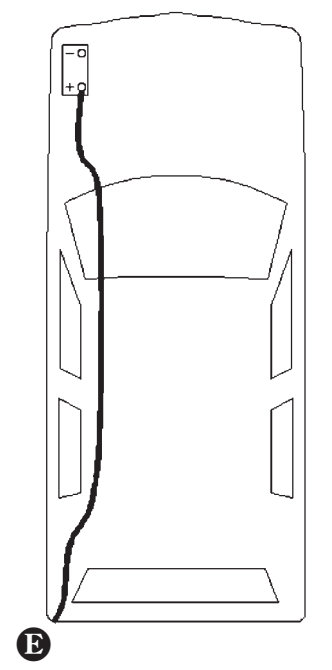
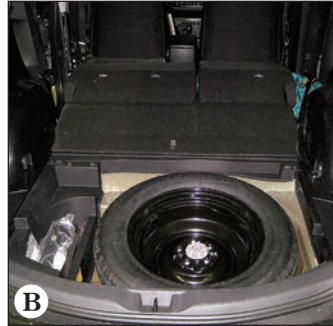
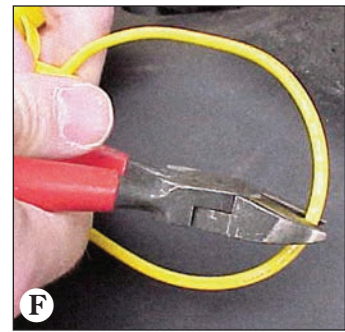
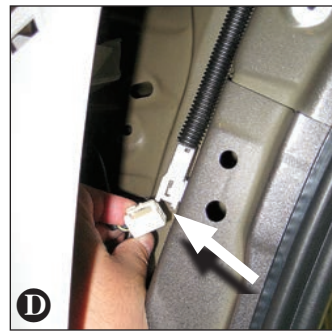
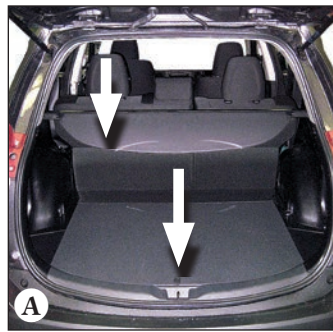
## Installation Instructions

### T-Connector



Toyota RAV-4

# REESE



#### TOOLS REQUIRED:

Trim Panel Remover, 10mm & 14mm Socket & Ratchet or 10mm & 14 Wrench, Drill (3/32" Drill Bit), 1/4" Socket, Wire Crimpers, Wire Cutters, Philips Head Screwdriver, Test-probe

1. Open rear hatch. Temporarily remove the rear threshold plate, privacy screen, storage covers and floor covering **A**. Open rear door and fold rear seat forward **B**.
2. Partially remove the rear interior trim panels on both the driver and passenger side of the vehicle. Several trim panel fasteners will need to be removed to remove the panels **C**. Set aside all items removed being careful not to damage parts.
3. Partially remove the upper side trim panels, being careful not to damage clips or screws.
4. On the driver and passenger sides of the vehicle, locate the vehicle's taillight wiring harness. Separate this connector, being careful not to break the locking tabs. All connector surfaces should be clean and free of dirt **D**.
5. On the driver's side, insert the T-Connector end, with the **yellow** wire, between the vehicle wiring connectors and lock into place. Ensure that the connectors are fully inserted with locking tabs in place.
6. Route the T-Connector containing the **green** wire below the threshold cover to the passenger's side taillight housing. Repeat step 5 for the passenger's side using the T-Connector containing the **green** wire.

7. On driver's side, locate a flat surface in an out of the way place and mount the T-Connector's black converter box with the double sided tape.
8. 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.
9. On the driver's side, locate the **black** 12 ga. Power wire from the T-Connector box. Attach the **black** 12 ga. wire provided.
10. 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 **E**.
 

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

13. Reconnect the vehicle's Negative (-) battery cable and install the 15 amp fuse into the fuse holder from step 13.

#### **WARNING**

Read and follow all warnings and cautions printed on the tow vehicle's battery.

#### **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.

14. 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.

#### **NOTE**

Route the 4-Flat through the driver's side trim panel into side storage compartment and store there when not in use. When in use pull 4-Flat through the door and close.

#### **WARNING**

Be careful not to pinch harness in door latch.

15. Reinstall the plastic trim panels, threshold, cargo trays, tail lamps 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: 2 per side (4.2 amps)
- Max. tail lights: (7.5 amps)

Read vehicle's owners manual & instruction sheet for additional information.

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