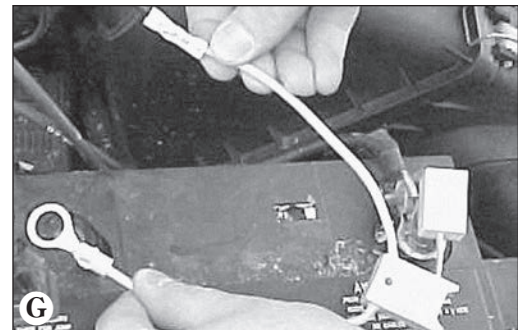
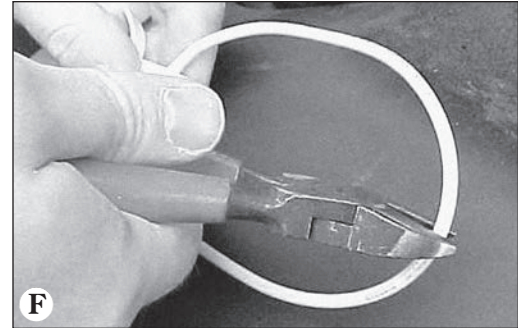
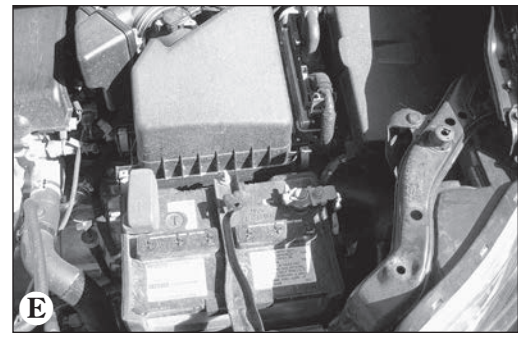
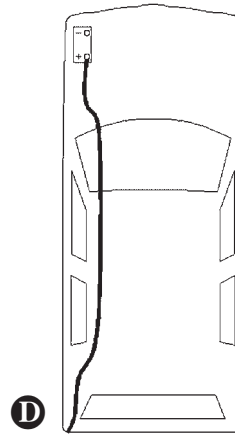
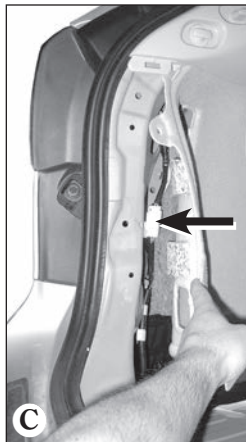
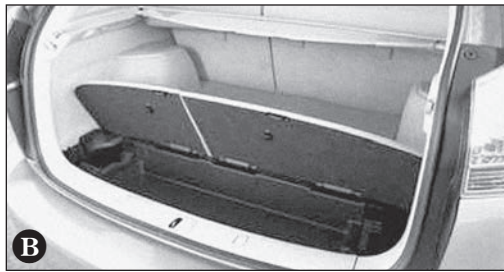


# Installation Instructions

## T-Connector



Lexus RX 330 – Lexus RX 350



### TOOLS NEEDED:

Drill (3/32" Drill Bit), Philips Head Screwdriver, Test-probe, Trim Panel Puller, Wire Crimpers, Wire Cutters

1. Open rear hatch **A**. Temporarily remove the rear threshold plate, storage covers and floor covering **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. Set aside all items removed being careful not to damage parts.
3. On the driver and passenger sides of the vehicle, locate the vehicle's taillight wiring harness **C**. The taillight wiring harness will have a connection point, on both sides, matching the ends of the T-Connector. Separate this connector, being careful not to break the locking tabs. All connector surfaces should be clean and free of dirt.
4. On the driver's side, insert the 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.
5. Route the T-Connector end with **green/red** wires to the passenger's side behind the panels and along the threshold. Repeat step 4 for T-Connector end with the **green/red** wires.

6. 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.

7. From inside the vehicle, connect the **black** 12 ga. wire and the **red** wire from the T-Connector black box with the supplied yellow butt connector. 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 **D**.

### 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.

8. Disconnect the vehicle's Negative (-) battery cable **E**. 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 **F G**. Connect the other end of the fuse holder to the **black** 12 ga. wire, using the yellow butt connector (provided).

### WARNING

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

9. Reconnect the vehicle's Negative (-) battery cable and install the 10 amp fuse into the fuse holder from step 8.

### 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.

10. 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. 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 cut or pinch the wire.

11. 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

### NOTE

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

### 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.