

# Installation Instructions

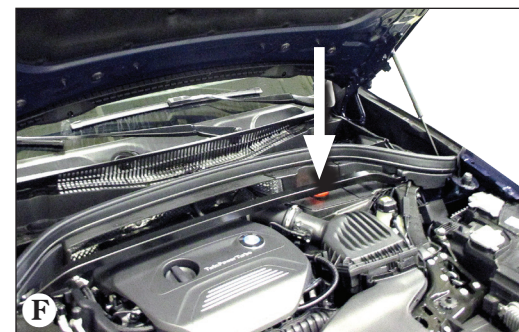
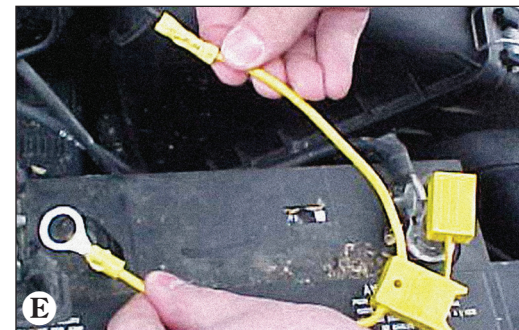
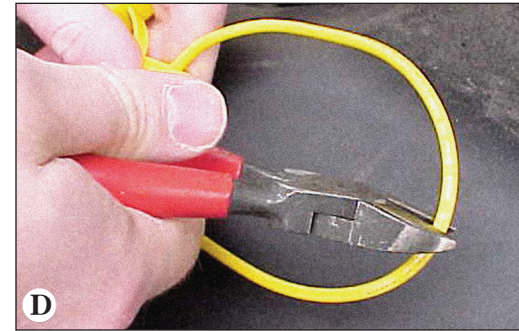
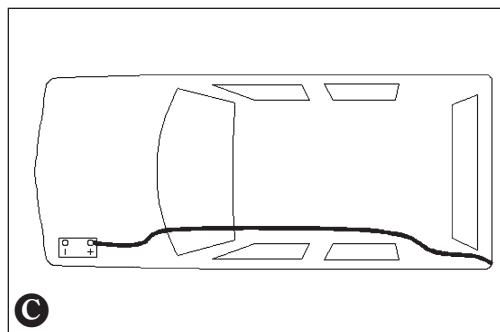
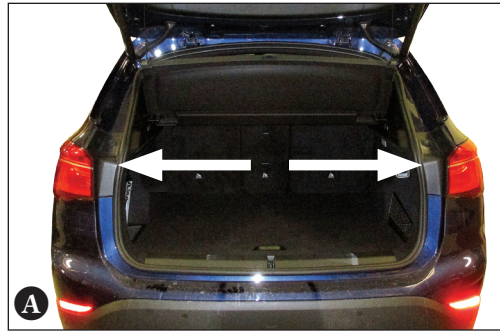
## T-Connector



BMW X1

### READ THIS FIRST:

Read and follow all vehicle warnings and installation instructions before beginning installation. 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), 1/4" Socket, Wire Crimpers, Wire Cutters, Philips Head Screwdriver, Test-probe

1. Open the rear tailgate to access the bolts that hold the taillights in place. On the driver and passenger sides of the vehicle, in taillight pocket, remove two 10mm nuts. Remove the taillights on both the driver and passenger side of the vehicle. After removing the screws, carefully pull the taillight away from the vehicle being careful not to damage the alignment pins **A**. Remove the taillight housing and set aside.
2. Disconnect the vehicle wiring harness from both taillight sockets. Separate this connector, being careful not to break the locking tabs. All connector surfaces should be clean and free of dirt.
3. Underneath the vehicle, determine a suitable mounting point behind the rear bumper fascia on the driver's side. Mount the T-Connector black box using double-sided tape provided. Make sure that the trailer's wire harness has adequate length to reach this point **B**.

### ⚠ WARNING

When mounting under the vehicle, always make sure that the unit is in a protected area and can not be damaged from road debris or objects driven over.

### ⚠ WARNING

Make sure module is mounted so that the epoxy side of the module is pointed towards the ground to prevent any water buildup.

4. On the Drivers side, fish the T-Connector end with the **yellow** wires up between the bumper and vehicle body into the taillight pocket
5. Plug the T-Connector end with the **yellow** wire in-between the mating plugs on the Driver's side taillight socket and vehicle wiring harness.
6. Route the T-Connector end with **green** wire to the passenger's side and route the 4-Flat underneath the bumper. Route T-Connector end with **green** wire up through the opening on the passenger side, being careful to avoid any hot pipes, heat shields, the fuel tank or any other points that may pinch or brake the wire. Repeat step 5.
7. Locate a suitable grounding point on the driver's side near the connectors. Drill a 3/32" hole and secure **white** wire with eyelet using screw provided. Do not drill into any exposed surfaces.

### ⚠ 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.

8. On the driver's side, locate the **black** 12 ga. Power wire from the T-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 **C**.

9. 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**. Connect the other end of the fuse holder to the **black** 12 ga. wire, using the yellow butt connector (provided) **E F**.

### ⚠ WARNING

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

10. Reconnect the vehicle's Negative (-) battery cable and install the 15 amp fuse into the fuse holder from step 9.
11. Reinstall taillight assemblies and other items removed during installation, being careful not to pinch or cut the wires.
12. 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.

### ⚠ 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.

### ⚠ WARNING

Overloading circuit can cause fires. DO NOT exceed lower of vehicle 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.