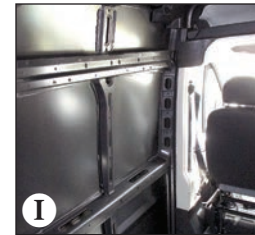
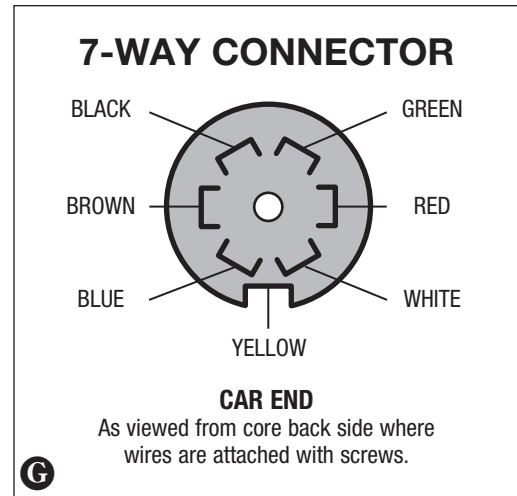
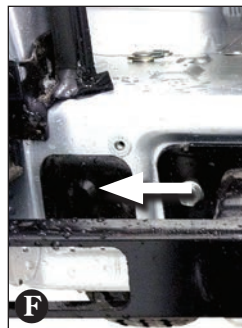
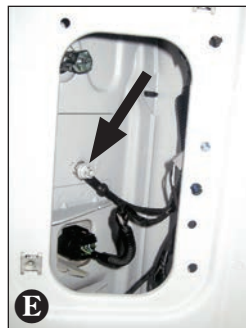
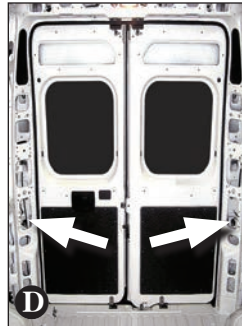


# Installation Instructions

## 7-Way Prep Kit



Ram Promaster



### 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 rear door and remove the access panel doors on both sides to access vehicle's wiring connectors **A**. Several trim panel fasteners will need to be removed to remove the panels **B**.

2. There will be connection points matching the ends of the T-One® T-Connector adapter on the back of each of the vehicle taillight housings. Disconnect the wire harness **C**.

3. Beginning on the driver's side, plug the T-Connector harness containing the **yellow** wire in between the vehicle's mating connectors.

### NOTE

Be careful not to damage the locking tabs and be sure that connectors are fully inserted with locking tabs in place.

4. On the Driver's side route the T-One® T-Connector end with the **green** wire up through the trim panel access hole, across the top threshold, & through the passenger trim panel access hole **D**. Repeat step 2 for the passenger's side using the T-Connector containing the **green** wire.

### NOTE

For ease of installation attach harness (two connectors) to fish wire and carefully pull toward passenger side.

5. Locate the existing ground stud **E**. Attach the **white** wire with the ring terminal and re-tighten.

6. On the Driver's side, mount the T-One® module using the double-sided tape provided.

### ⚠ WARNING

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

7. Determine 7-Way mounting location. Route the harness containing the 7 wires down the opening behind the taillight on the driver's side. Finish pulling the harness through the grommet to the exterior of the vehicle and to 7-Way mounting location **F**.

### NOTE

**Yellow** wire = Reverse function. See diagram for wire locations **G**.

8. Route the power wire for T-One® module and the power wire for the 7-Way. Following the **green** wire from step 4, route the three wires with black sheathing up to upper vehicle channel **H**. Continue routing along vehicle channel to the pillar near the driver's door. Route down the pillar, along step in driver's side doorway and to the battery **I**. The battery is located under the floor covering, directly under the steering wheel **J**.

9. Disconnect the vehicle's Negative (-) battery cable. Using the fuse holders, ring terminals and butt connectors secure wires to the vehicle's Positive (+) battery cable.

- **RED WIRE** = 15 amp Fuse Holder
- **BLACK WIRE** = 30 amp Fuse Holder
- **BLUE WIRE** = Electric Brake Control Harness BLUE WIRE
- **Electric Brake Control Harness BLACK WIRE** = 30 amp Fuse Holder
- **Electric Brake Control Harness WHITE WIRE** = Negative (-) Battery Terminal.
- **Electric Brake Control Harness RED WIRE** = Negative Side of Brake Switch

### ⚠ WARNING

Read and follow all warnings and cautions printed on the tow vehicle's battery. Place 15 Amp fuse in fuse holder connected to **red** wire. Place 30 Amp fuse in fuse holder connected to **black** wire.

10. Determine a suitable mounting point on the tow vehicle for the Electric Brake Control Harness.

11. Reconnect the vehicle's Negative (-) battery cable.

### ⚠ WARNING

All connections must be complete for the T-One® 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.

12. Secure the remainder of the 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.

13. Reinstall the 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 vehicle manufacturer rating or:

- Max. stop/turn/backup light: 2 per side (4.2 amps)
- Max. tail lights: (7.5 amps)
- Max. 7 Way 12 Volt +: (30 amps)

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