RV TOW Harness Wiring Kit
INSTALLATION INSTRUCTIONS
Fits: Jeep Wrangler

Kit Includes:
(1) Wiring Harness
with 4-Flat Connector
(1) 48" 4-Flat Extension
(20) 15" Cable Tie
(1) 4-Flat Bracket
(1) Adhesive Cable Tie Pad
(3) #8 Self-Tapping Ground Screw

RV TOW HARNESS
INSTALLATION INSTRUCTIONS

1. Read instructions thoroughly before beginning.

2. Using a Phillips screwdriver remove screws that hold both taillight assemblies to vehicle. Gently pull taillight away from the vehicle and locate vehicle's factory wiring harness connectors. Separate connectors from both sides and set aside shown in **Figure 1**. Inspect connectors for dirt & debris and clean if necessary.



Figure 1

3. Starting on driver's side remove foam shield from taillight cavity shown in **Figure 2**. Position the RV harness with connectors containing Yellow wires between separated vehicle harness connectors. Press connectors firmly into the vehicle connectors until they lock into place. Pull on connectors to ensure the locks are engaged.

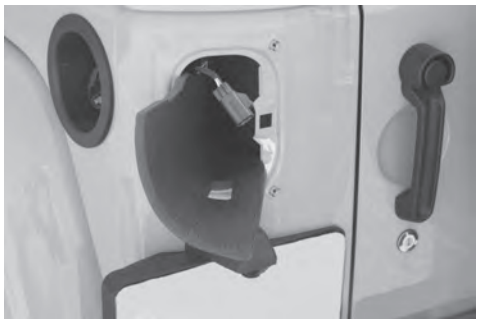


Figure 2

4. Locate a clean and accessible mounting location on the vehicle near the RV harness ends within reach of white wire and ring terminal. Remove any debris or undercoating to expose a clean metal surface and drill a 3/32" hole.

Caution: Take care not to drill through the body or any exposed surface.

5. Attach ring terminal on the White wire using the ground screw provided.

6. Cut the cable ties on 4-Flat portion of harness. Route the remaining portion of the RV harness with connector ends containing the Green wire through the opening behind the taillight.

7. Route the portion of harness with the T-Connector ends containing Green wire to the Passenger side along the rear frame rail. Mount the cable tie pad halfway across the

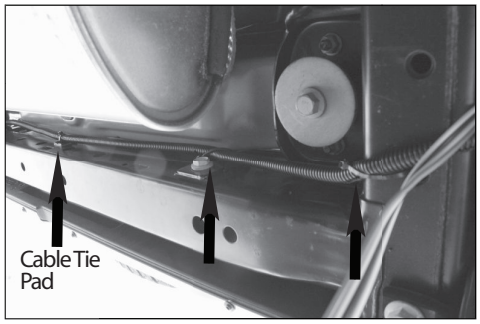


Figure 3

frame rail and using the cable ties provided secure the conduit to the frame rail and cable tie pad shown in **Figure 3**. It's recommended to use 5 cable ties along the rear frame rail; two on either side and one on the cable tie pad.

8. In order to route T-Connector ends behind passenger taillight plastic cover shown in **Figure 4** will need to be either removed or have a 2" hole drilled through it. Inside taillight cavity there's insulating foam that will need to be partially removed for the installation.

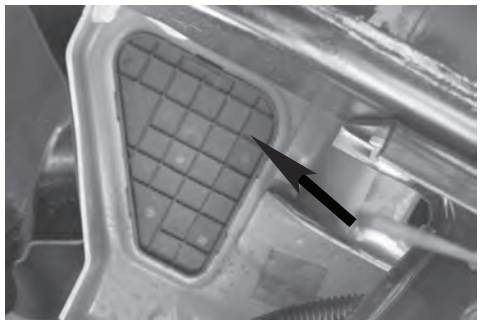


Figure 4

9. Once T-Connector ends are routed into the taillight cavity repeat Step 3 for plugging.

10. Locate an opening on frame near front of vehicle near the driver's side tire and insert a fish tape or stiff wire through the frame rail back towards the rear of the vehicle near the rear tire shown in **Figure 5**. Secure the 4-flat connector to fish tape or wire and pull through the frame rail and out of the opening.



Figure 5

11. Once the 4-flat is through the frame rail route it into the engine compartment following the brake lines and secure the 4-flat to the eyelet shown in **Figure 6**.

*An alternate routing for the 4-flat connector to front of vehicle is to route along the outside of frame rail using cable ties to secure it and continue to Step 13.



Figure 6

12. Continue routing 4-flat connector towards front of the vehicle until a suitable mounting location for the 4-flat bracket on the frame behind the driver's side taillight is reached. Using the bracket as a template mark the two holes and drill two 3/32" holes and attach the bracket using the two remaining screws.

Caution: Take care not to drill through the body or any exposed surface.

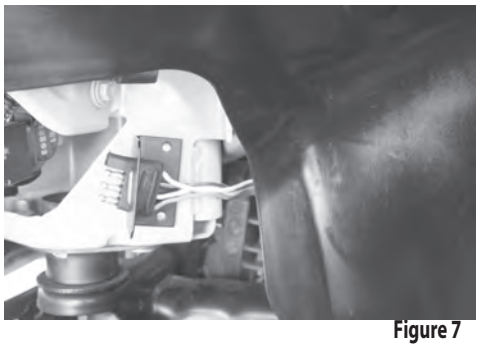


Figure 7

Caution: Make sure to avoid areas that contain moving parts or could cut, pinch or bur n the wires when routing the 4-flat harness towards the front of the vehicle. Also avoid routing harness near the fuel lines as it may cause the fuel to ignite.
Failur e to follow these warnings may cause property damage, personal injury or loss of life.

13. With the 4-flat extension plugged into the RV harness on one end and the motorhome on the other, test that the functions wor k on the Jeep Wrangler. These function will only work on the brake/tail combination lamp.

4-Flat Harness Color Code:
White - Ground
Brown - Tail Ligh ts
Green - Right Turn and Brake Signal
Yellow - Left Turn and Brake Signal

When not in use store the 4-flat extension in the vehicles glove box.

14. At the rear of the vehicle secure any loose wires to the vehicle's crossmember using cable ties provided. Re-install the foam shield removed in Step 4 and re-attach the taillights to vehicle.

NOTE: THIS RV HARNESS ALSO INCLUDES A CONNECTION POINT LABELED "**FOR TRAILER TOW USE ONLY: 4-FLAT HARNESS REQUIRED.**" IF YOU DECIDE TO LEAVE YOUR RV HARNESS ON THE VEHICLE AT ALL TIMES AND WANT TO TOW A TRAILER SIMPLY PLUG IN 4-FLAT HARNESS.