RV TOW Harness Wiring Kit
INSTALLATION INSTRUCTIONS
Fits: Jeep Liberty

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

RV TOW HARNESS
INSTALLATION INSTRUCTIONS

1. Read instructions thoroughly before beginning.

2. Open the rear window and tailgate. Using a T-20 Torx screwdriver remove screws that hold both taillight assemblies to vehicle. Gently pull taillight away from the vehicle and locate vehicles factory wiring harness connectors. Separate connectors from both sides and set aside shown in **Figure 1**. Inspect connectors for dirt and debris and clean if necessary.



Figure 1

3. Starting on driver's side position the RV harness with connectors containing Yellow wires between separated vehicle harness connectors. Press connectors firmly into vehicle connectors until they lock into place. Pull on connectors to ensure the locks are engaged.

4. Locate a clean and accessible mounting location on 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. Route the remaining portion of the RV harness with connector ends containing the Green wire through the opening behind the taillight shown in **Figure 2**.

7. Route the portion of harness with the T-Connector ends containing Green wire to the Passenger side near the rear cross bar and along the plastic bumper shown in **Figure 3**. Secure along the way with cable ties. On passenger side route harness to avoid contact with exhaust.

8. Using a fish tape route the portion of harness with T-Connector ends containing Green wire up through passenger side opening. Once T-Connector ends are routed into taillight cavity repeat Step 3 for plugging.

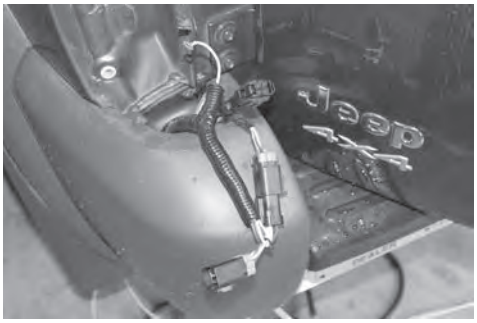


Figure 2



Figure 3

9. Cut the cable ties on 4-Flat portion of harness. Route 4-Flat portion of the RV harness down through taillight opening. Route it along existing factory wire harness to top of fuel tank securing with cable ties shown in **Figure 4**.

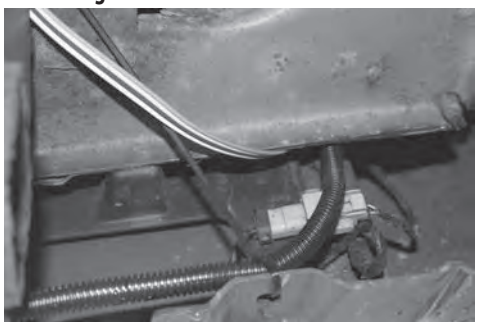


Figure 4

10. Fish 4-Flat above gas tank to the brake lines shown in **Figure 5** and continue routing along brake lines to front and secure with cable ties.



Figure 5

11. To route 4-Flat from brake lines to driver's wheel well place both cable tie pads underneath vehicle between brake lines and wheel well shown in **Figure 6** and secure with cable ties.

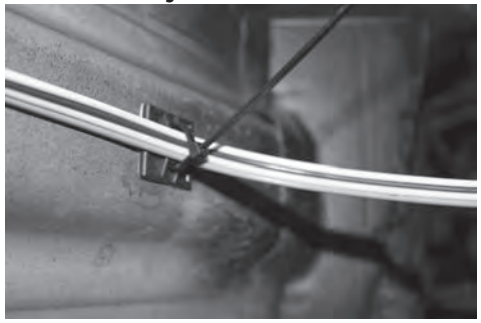


Figure 6

12. Using a phillips screwdriver remove screw near the driver's side wheel well shown in **Figure 7**.



Figure 7

13. Starting at the left corner of driver's side wheel well route a fish tape up and over to the right side. Secure 4-Flat connector to it and pull through the wheel well cover.

14. Remove cover on front side of driver's side wheel well to help in routing 4-Flat to front of vehicle.

15. Locate the front frame rail that goes across the front of the vehicle. Locate a suitable position to mount the 4-Flat bracket shown in **Figure 8**. 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.



Figure 8

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

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

4-Flat Harness Color Code:
White - Ground
Brown - Tail Lights
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.

17. At the rear of the vehicle secure any loose wires to the vehicle's crossmember using cable ties provided. Re-install 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.