RV TOW Harness Wiring Kit
INSTALLATION INSTRUCTIONS
Fits: Jeep Grand Cherokee

Kit Includes:
(1) Wiring Harness
with 4-Flat Connector
(1) 48" 4-Flat Extension
(20) 15" Cable Tie
(1) 4-Flat Bracket
(3) 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 tailgate and using a flat screwdriver remove the plastic caps that cover clips that hold both taillight assemblies to vehicle shown in **Figure 1**. Gently pull taillight away from the vehicle and locate vehicle's factory wiring harness connectors. They will be similar to those on RV harness. Separate connectors from both sides and set aside. Inspect connectors for dirt & debris and clean if necessary.

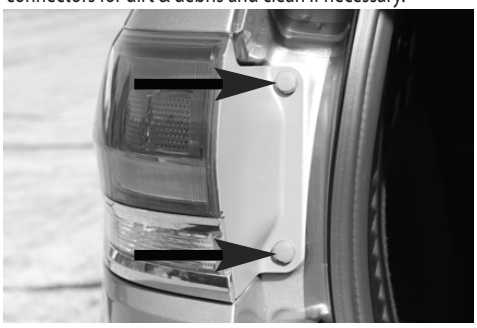

Figure 1

3. Starting on driver's side position the RV harness connector sets containing Yellow wires and Brown wires between separated vehicle harness connectors shown in **Figure 2**. Press connectors firmly into the vehicle connectors until they lock into place. Pull on connectors to ensure the locks are engaged.

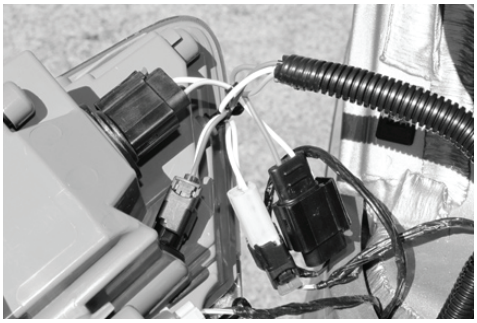

Figure 2

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 opening behind taillight.

7. Route the portion of harness with the T-Connector ends containing Green wire to the Passenger side along the rear frame rail and secure with two cable tie pads provided shown in **Figure 3**.

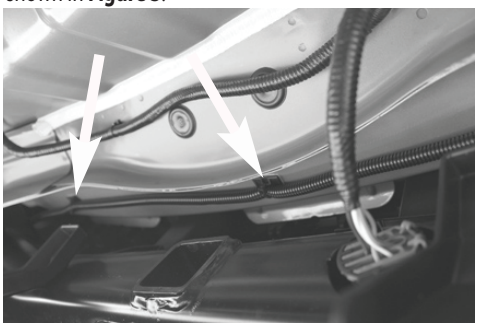

Figure 3

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

9. Back on driver's side route the 4-Flat portion of the RV harness down through the taillight opening. Remove clips in driver's rear wheel well shown in **Figure 4**. Using a fish tape route up and over wheel well. **Note: It may be necessary to remove additional screws clips.** Secure 4-Flat and pull through wheel well. Back by taillight opening, secure 4-Flat to vehicle frame using a cable tie pad and cable tie provided shown in **Figure 5**.

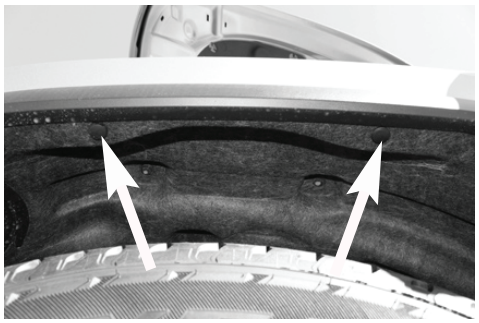

Figure 4

Figure 5

10. Continue routing 4-Flat towards front of vehicle along side trim panel and secure to trim panel brackets shown in **Figure 6**.

*An alternate routing for the 4-flat connector to front of vehicle is to route along the brake lines and secure to brake line brackets using cable ties to secure it and continue to Step 11.

Figure 6

Caution: Make sure to avoid areas that contain moving parts or could cut, pinch or burn 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.
Failure to follow these warnings may cause property damage, personal injury or loss of life.

11. From inside engine compartment, route a fish tape from driver's side area down through driver's side front wheel well. Removal of clips and fasteners may be necessary. Secure 4-Flat to fish tape and pull up into engine compartment.

12. 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 7**. 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.

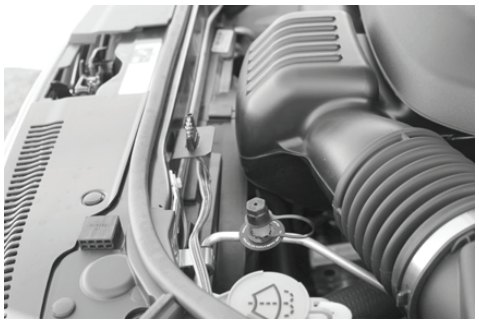

Figure 7

13. 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 Grand Cherokee. 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.

14. At the rear of the vehicle secure any loose wires to the vehicle's frame or factory wire harness using cable ties provided. Re-install taillights to vehicle.