

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 plastic lens cover on **driver side** taillight. Use a 10mm socket to remove three bolts holding taillight to body shown in **Figure 1**. Gently pull taillight away from the vehicle and locate vehicle's factory wiring harness connectors. Carefully remove foam tape and set to the side. Separate connectors and set aside. Inspect connectors for dirt and debris and clean if necessary.

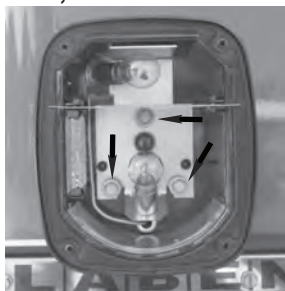


Figure 1

3. Starting on driver's side remove plastic shield located underneath taillight cavity by removing plastic clip that holds it in place 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. Re-apply foam tape removed in Step 2.

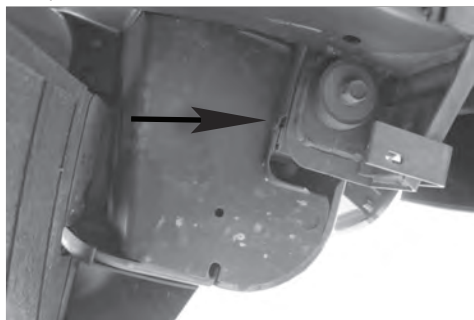


Figure 2

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. Route the portion of harness with the T-Connector ends containing Green wire to the Passenger side along the rear frame rail shown in **Figure 3**. Secure with cable ties.



Figure 3

7. On passenger side remove plastic shield by removing plastic clip. Reach up and pull the factory wire harness connectors down. Carefully remove foam tape and set to the side. Separate connectors and inspect for dirt and debris and clean if necessary.

8. Position the RV harness with connectors containing Green 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. Re-apply foam tape removed in Step 7.

9. Cut the cable ties on 4-Flat portion of harness and route down through the opening behind the taillight.

10. Route 4-Flat over top of fuel tank and secure with cable tie pad. Secure with a cable tie shown in **Figure 4**.

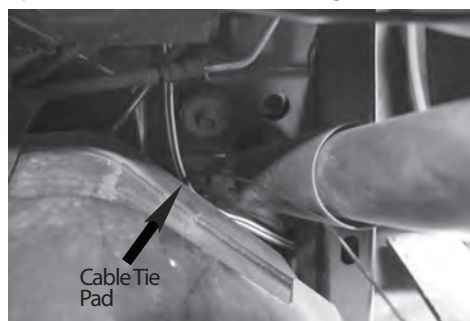


Figure 4

11. Continue routing towards front following existing factory wire harness shown in **Figure 5** securing with cable ties.



Figure 5

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.

12. Near the engine compartment route the 4-Flat wire up the brake lines and along the factory wire harness along driver side of engine compartment shown in **Figure 6**. Route all the way to location near hood release. Secure 4-Flat to factory wire harness with cable ties.



Figure 6

13. Fish through opening into opening behind bumper. Locate a suitable mounting location for the 4-flat bracket on the frame behind the driver's side taillight shown in **Figure 7**. Using the bracket as a template mark 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

14. 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 Wrangler. These functions will only work on the brake/tail combination lamp.

4-Flat Harness Color Code:

White - Ground
Brown - Tail Light
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.

15. 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.