

# RV TOW Harness Wiring Kit

## INSTALLATION INSTRUCTIONS

Fits: Honda CRV

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

## RV TOW HARNESS INSTALLATION INSTRUCTIONS

### 1. Read instructions thoroughly before beginning.

2. Open the rear tailgate. Using a phillips screwdriver remove two phillips screws on each taillight assembly shown in **Figure 1**. Gently pull taillights away from the vehicle and locate vehicle's factory wiring harness connectors. Separate connectors from both sides and set aside. Take care not to damage locking tabs on connectors. 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 3-pin harness connectors shown in **Figure 2**. Press connectors firmly into vehicle connectors until they lock into place. Pull on connectors to ensure the locks are engaged. Plug remaining vehicle connectors to taillights.



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 remaining portion of the RV harness with connector ends containing the Green wire down through opening behind taillight.

7. Underneath rear of vehicle remove 4 clips on bumper fascia using a flat screwdriver shown in **Figure 3**.



Figure 3

8. Starting on Passenger side route a fish tape through bumper opening behind fascia over to driver side shown. Secure T-Connector ends containing Green wire to fish tape and pull to Passenger side.

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

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

11. Route fish tape up and over drivers rear wheel well shown in **Figure 4**. Secure 4-Flat connector to fish tape and pull up and over wheel well. It may be necessary to remove clips and screws from wheel well.



Figure 4

12. Route towards front of vehicle along inside of trim panel along drivers side shown in **Figure 5**. Secure with cable ties if necessary. Continue routing until you reach driver's side wheel well.



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.**

13. From inside of engine compartment route fish tape to the bottom right of wheel well. It may be necessary to remove clips and screws from wheel well.

14. Attach 4-Flat to fish tape and pull into engine compartment. Route along factory wire harness located along frame rail in front of engine compartment.

15. Locate a suitable position to mount the 4-Flat bracket shown in **Figure 6**. 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.\***

Secure 4-Flat to factory wire harness with cable ties.



Figure 6

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 Honda CRV. 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 using cable ties provided. Re-install taillights to vehicle.