

# 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. Remove Cargo Cover and Floor Cover and set to the side. To remove threshold plate remove two cargo tie downs by using a 10mm socket to remove the bolts shown in **Figure 1A**. Remove two push pins on the threshold plate shown in **Figure 1B** by pushing in the centers and then removing. Set threshold plate to the side.

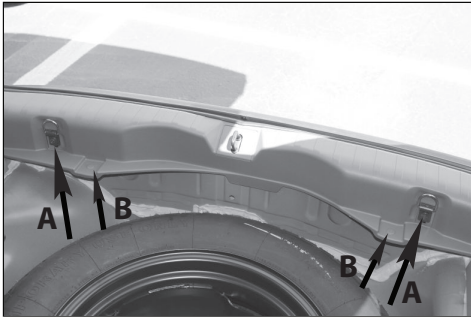


Figure 1

3. Starting on driver's side gently pull the plastic side panel away from the body to expose vehicle's taillight connectors shown in **Figure 2** taking care not to break locking tabs on panel. They will be similar to those on the RV harness. Repeat this step on the passenger side panel.

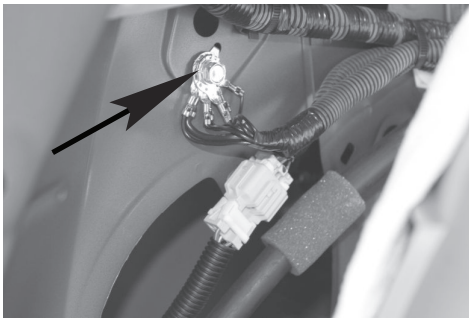


Figure 2

4. Remove driver's side taillight by using a phillips screwdriver. Unplug the set of Blue connectors and gently pull on taillight taking care not to break locking tabs. Pull grommet away from body and set taillight to the side.

5. Starting on driver's side position 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.

**\*Note: At this point there is only one connection on driver's side.\***

6. Using a 10mm socket remove the bolt holding the ground rings shown in **Figure 2**. Place the ring terminal on RV Harness with vehicle's ground rings and re-attach bolt.

7. Route portion of RV Harness with connectors containing Green wires down to bottom of side wall panel along the rear of vehicle and up behind passenger side panel. Repeat Step 5 for connector plugging.

8. Cut the 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 shown in **Figure 3**. Push grommet back into hole around the 4-Flat wire. It may be necessary to make a slit in grommet. If so apply silicon around area to seal.

9. Back inside vehicle on driver's side plug the connector from the taillight into the other side of the RV Harness.

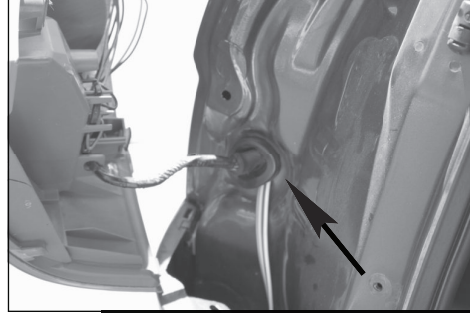


Figure 3

10. Underneath vehicle route 4-Flat wire above and around suspension shown in **Figure 4** and secure with cable tie.



Figure 4

11. Continue routing towards front of vehicle along side frame rail until you reach the driver's side wheel well securing with cable ties along the way.

**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. From the front of wheel well route a fish tape up and over to the bottom right of the wheel well. It may be necessary to remove plastic clips shown in **Figure 5** for routing fish tape.



Figure 5

13. Attach 4-Flat to fish tape and pull to front of the wheel well. Replace any clips removed in Step 12.

14. 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 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 frame rail with a cable tie.

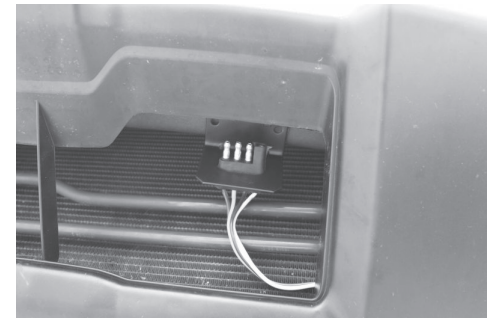


Figure 6

15. 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 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.

16. 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: TAILLIGHT 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.**