



#9523071

# RV TOW Harness Wiring Kit INSTALLATION INSTRUCTIONS

Fits: 2004-2007 Buick Rainier  
2002-2008 Chevrolet Trailblazer  
2002-2009 GMC Envoy

- 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
  - (1) Cable Tie Mounting Pad
  - (2) Male Connectors
  - (2) Female Connectors
  - (6) Jumper Wires

## RV TOW HARNESS INSTALLATION INSTRUCTIONS

1. Read instructions thoroughly before beginning.
2. Using a phillips screwdriver remove two screws that hold taillight to vehicle on both sides and identify vehicle's taillight connectors. They will be the same connectors on RV Harness. Unplug connectors and inspect dirt and debris and clean if necessary shown in **Figure 1**.



Figure 1

3. The kit includes a set of Male and Female connectors and a set of White Jumper Wires. These will need to be plugged to the RV Harness a certain way depending on the vehicle. Refer to the second page for plugging diagrams. Position terminals into connectors shown in pictures and using a small screwdriver push the purple locks into place once all wires are plugged into connectors.
4. Once connectors are plugged to RV Harness, position RV harness connectors containing Yellow wires between separated vehicle harness connectors on the driver's side. Press connectors firmly into vehicle connectors until they lock into place. Pull on connectors to ensure the locks are engaged.
5. 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.\***
6. Attach ring terminal on the White wire using the ground screw provided.
7. Route the portion of harness with the T-Connector ends containing Green wire to the Passenger side around spare tire and secure along rear frame rail with cable ties and repeat Step 4 for plugging.

8. Cut the cable ties on 4-Flat portion of harness. Starting from taillight connectors from Step 3 route towards brake lines and frame rail securing with cable ties ensuring there is no slack on the 4-Flat wire.
9. Continue routing 4-Flat along the brake lines and frame rail to front of vehicle near driver's side front wheel well securing it along the way with cable ties shown in **Figure 2**.



Figure 2

**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.**

10. In between frame rail and driver's side wheel well attach the cable tie mounting pad as shown in **Figure 3**. Secure the 4-Flat with cable ties provided.

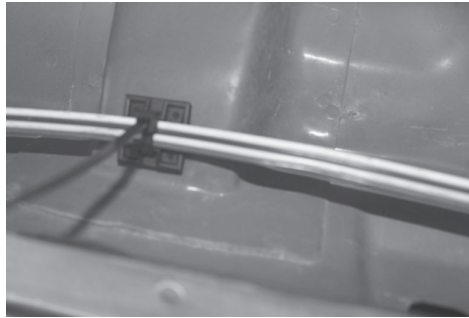


Figure 3

11. Starting at the top of driver's side wheel well route a fish tape up and over to the bottom right of the wheel well shown in **Figure 4**. It may be necessary to remove clips on the wheel well cover.



Figure 4

12. Attach 4-Flat to fish tape and pull to top of wheel and out through the opening shown in **Figure 4**. Route fish tape up through opening on the bottom left corner to opening on the top and pull 4-Flat to the front of the wheel well. Replace any clips removed in Step 11.
13. Route 4-Flat from bottom of driver's side wheel well to an area on the frame rail suitable for mounting the 4-Flat bracket shown in **Figure 5**.

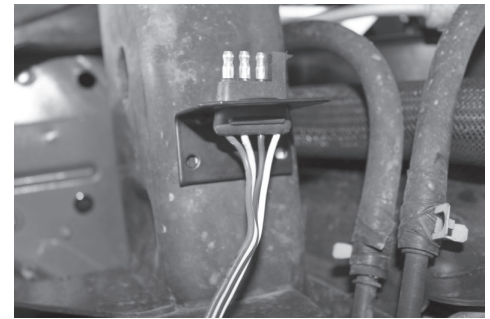


Figure 5

14. Locate the area in engine compartment along driver's side in front of the battery to mount 4-Flat bracket. Drill two 3/32" holes and attach the bracket using two screws shown in **Figure 5**.

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

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 Chevrolet Trailblazer/Buick Rainier/GMC Envoy. These functions will only work on the brake/tail combination lamp.

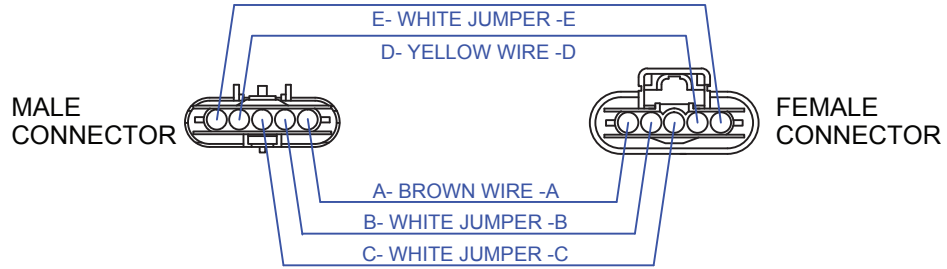
4-Flat Harness Color Code:  
White - Ground  
Brown - Tail Lights  
Green - Right Turn and Brake Signal  
Yellow - Left Turn and Brake Signal

When not in use store the 4-flat extension in the vehicles glove box.

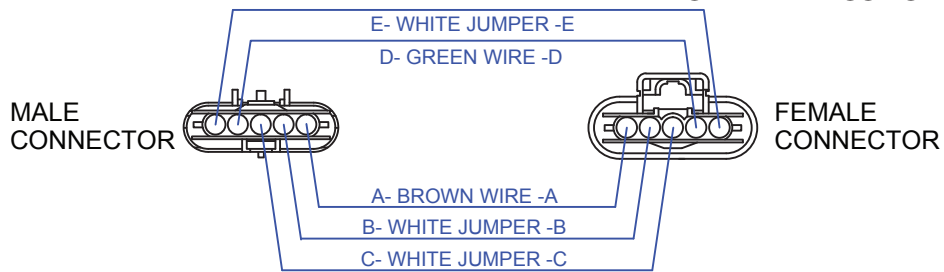
16. At the rear of the vehicle secure any loose wires to the vehicle's crossmember using cable ties provided.

# Plugging Diagrams for Chevrolet Trailblazer, Buick Rainier and GMC Envoy:

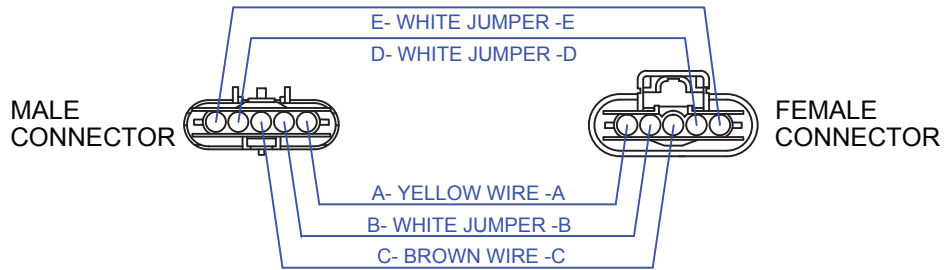
## Chevrolet Trailblazer/Buick Rainier Driver Side Plugging



## Chevrolet Trailblazer/Buick Rainier Passenger Side Plugging



## GMC Envoy Driver Side Plugging



## GMC Envoy Passenger Side Plugging

