RV TOW Harness Wiring Kit

INSTALLATION INSTRUCTIONS

Fits: Buick Enclave
GMC Acadia

Kit Includes:
(1) Wiring Harness
with 4-Flat Connector
(1) 48" 4-Flat Extension
(20) 15" Cable Tie
(1) 4-Flat Bracket
(2) 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. Using a flat screwdriver remove the plastic caps that cover the screws that hold both taillight assemblies to vehicle. Using a 7mm socket remove the two screws that hold the taillights to vehicle. Gently pull taillight away from the vehicle and locate vehicle's factory wiring harness connectors. Separate connectors from both sides and set aside shown in **Figure 1**. Inspect connectors for dirt and debris and clean if necessary.

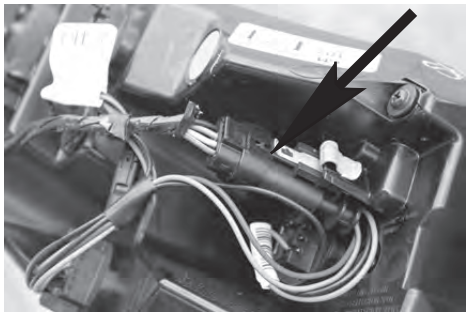

Figure 1

3. Starting on driver's side, route RV harness with connectors containing Yellow wires up behind bumper fascia and between separated vehicle 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.

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 a fish tape through bumper starting on passenger side over to driver side. Secure T-Connector ends containing Green wire to fish tape and pull to Passenger side through frame rail.

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

8. Underneath vehicle locate 4-Flat portion of the RV harness located on driver's side and cut cable ties.

9. Remove Torx T15 screw on drivers rear wheel well cover shown in **Figure 3**.

Figure 3

10. Starting at the left side of rear driver's side wheel well route a fish tape up and over to the right side. Secure the 4-Flat connector to it and pull through the wheel well cover shown in **Figure 4**.

Figure 4

11. From front of wheel well route to brake line brackets and secure with cable ties shown in **Figure 5**.

Figure 5

12. Continue routing towards front along brake lines securing to brackets with cable ties until you reach drivers side front wheel well. Prior to routing 4-Flat to wheel well secure to vehicle frame with two cable tie adhesive pads shown in **Figure 6**.

13. Repeat Step 10 to route 4-Flat through drivers front wheel well. It may possible to remove one or more Torx T15 screws route 4-Flat as in Step 9.

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.

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 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.

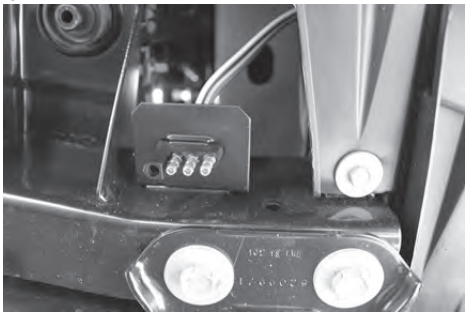

Figure 7

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 Buick Enclave or GMC Acadia. 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. Re-install taillights to vehicle.

NOTE: THIS RV HARNESS ALSO INCLUDES A CONNECTION POINT LABELED"**FOR TRAILER TOW USE ONLY: CONVERTER 58920 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.