



#9523095

RV TOW Harness Wiring Kit INSTALLATION INSTRUCTIONS

Fits: 2003-2007 Saturn ION

- 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. Open trunk and using a Torx T15 screwdriver remove screws that hold taillights in place shown in **Figure 1**. Gently pull taillights away from vehicle, unplug factory connectors from taillight connectors and set aside.

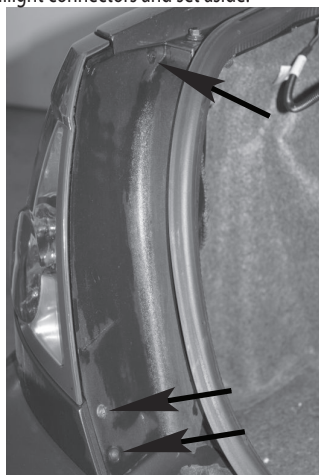


Figure 1

3. Starting on passenger side route a fish tape through bumper channel to drivers side.

4. Secure portion of RV Harness with connectors containing Green wires to fish tape. Pull through bumper channel and up behind passenger side taillight opening. Position RV harness connector ends 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

- 5.** On driver's side, position RV harness connector ends containing Yellow wires between separated vehicle harness connectors and repeat Step 4.
- 6.** 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.
- 7.** Attach ring terminal on the White wire using the ground screw provided.
- 8.** Cut the cable ties on 4-Flat portion of harness and route behind drivers rear wheel well.
- 9.** Using a flat screwdriver remove push clips in driver's side rear wheel well cover shown in **Figure 3**.



Figure 3

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

11. Continue routing towards front of vehicle along the brake lines to the area behind driver front wheel and secure with cable ties provided.

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. Locate area shown in **Figure 4** near drivers front wheel well underneath frame. Clean area before placing cable tie pad on frame. Secure 4-Flat to cable tie pad with cable tie.



Figure 4

13. Using a flat screwdriver remove push clips in drivers front wheel well area shown in **Figure 5**.

14. On right side of engine compartment locate opening shown in **Figure 6**. Route fish tape through opening down to right side of wheel well area from Step 13. Secure 4-Flat to fish tape and pull through wheel well area into engine compartment.



Figure 5

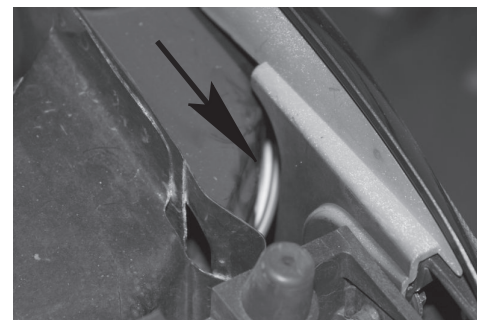


Figure 6

15. Continue routing through engine compartment, behind driver side headlight to front frame rail shown in **Figure 7**.

16. Locate a suitable position to mount 4-Flat bracket also 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 screws.

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



Figure 7

17. 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 Saturn ION. 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.

18. At the rear of the vehicle secure any loose wires using cable ties provided. Re-install taillights to vehicle.