



#9523119

# RV TOW Harness Wiring Kit INSTALLATION INSTRUCTIONS

Fits: 2013-2014 Ford Fusion

- 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

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## RV TOW HARNESS INSTALLATION INSTRUCTIONS

1. Read instructions thoroughly before beginning.
2. Open the trunk and remove trunk floor covering. Remove two cargo tie downs on both sides of vehicle shown in **Figure 1**. Gently pull away felt liners taking care not to damage any alignment tabs or damage the panel.

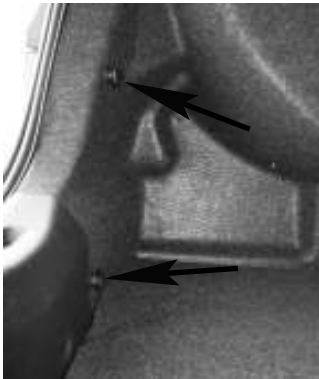


Figure 1

3. Remove two push clips on threshold shown in **Figure 2**. Remove threshold by gently pulling up and set aside.

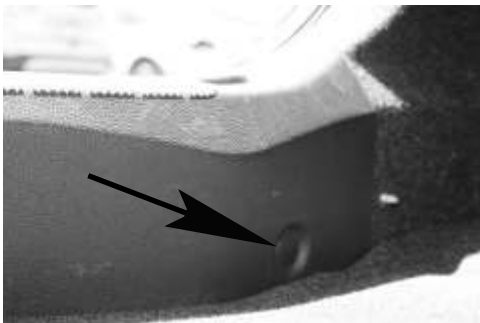


Figure 2

4. Using a 10mm socket remove bolts holding taillights on driver and passenger side shown in **Figure 3**. Gently remove taillights and inspect connectors for dirt & debris and clean if necessary.
5. Starting on driver's side position RV harness connector ends containing **Yellow** wires between separated vehicle harness connectors shown in **Figure 4**. Press connectors firmly into vehicle connectors until they lock into place. Pull on connectors to ensure locks are engaged.

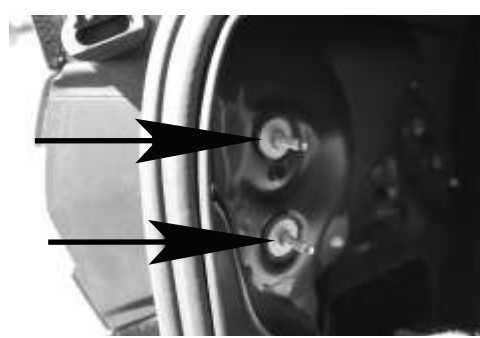


Figure 3



Figure 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.\***

Attach ring terminal on White wire using ground screw provided.

7. Route portion of RV Harness with connectors containing **Green** wires down taillight opening. On passenger side route a fish tape through bumper frame to driver's side. Secure RV harness ends to fish tape and pull through bumper frame. Route connector ends up through taillight opening and 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 down taillight opening. Using a 7mm socket remove bolt in driver's rear wheel well shown in **Figure 5**. Starting on left side of wheel well route up and over wheel well to right side. Secure 4-Flat to fish tape and pull through wheel well. Note it may be necessary to remove additional push clips in wheel well area.



Figure 5

9. Continue routing 4-Flat to front of vehicle underneath the side trim panel located underneath driver and passenger side doors shown in **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.**

10. At front driver's side wheel well remove 4 push clips shown in **Figure 7**. From inside engine compartment route fish tape down through wheel well area to right side. Secure 4-Flat and pull through wheel well area.

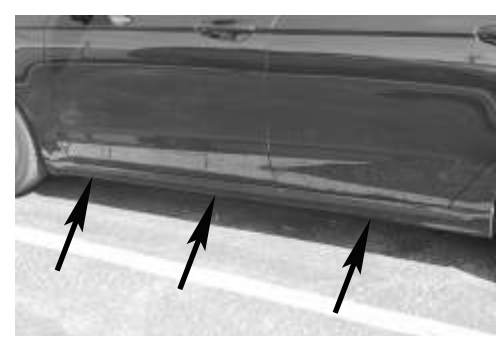


Figure 6



Figure 7

11. Route 4-Flat across frame rail that goes across the front of the vehicle. Locate a suitable position to mount the 4-Flat bracket shown in **Figure 8**. 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 8

12. 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 Ford Fusion. 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.

13. At the rear of the vehicle secure any loose wires using cable ties provided. Re-install taillights and any other items removed during installation.

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 PART NUMBER 85350 AND YOU'RE READY TO TOW.