

# RV TOW Harness Wiring Kit

## INSTALLATION INSTRUCTIONS

Fits: Ford Flex

### 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. Ford Flex

2. Open the rear tailgate. Using a 8mm socket remove bolts holding taillights on driver and passenger side shown in **Figure 1**. Remove taillights and inspect connectors for dirt & debris and clean if necessary. Set taillights to the side.



Figure 1

3. Starting on driver's side position connectors containing Yellow wires in 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.

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 from passenger side over to driver side between vehicle bumper and body. Secure to connector ends containing Green wires and pull through bumper up to area behind passenger side taillight. Repeat Step 3 for connector plugging.

7. Cut the cable ties on 4-Flat portion of harness. Route the 4-Flat portion of the RV harness down behind bumper opening on driver side.

8. Underneath vehicle route 4-Flat wire over exhaust and around plastic guards to brake lines near front of vehicle shown in **Figure 2**. Secure with cable ties.

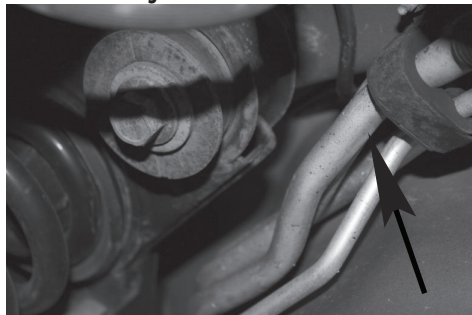


Figure 2

**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.**

9. Follow brake lines up to driver's side wheel well area. Clean an area on frame between brake lines and wheel well and attach cable tie pad. Secure 4-Flat to cable tie pad with cable tie.

10. Starting on left side of wheel well route a fish tape over to right side. It may be necessary to remove screws shown in **Figure 3** to route fish tape.



Figure 3

11. Secure 4-Flat to fish tape and pull through wheel well up into engine compartment through opening shown in **Figure 4**.



Figure 4

12. 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 5**. 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 5

13. 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 Flex.

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.

14. 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 PART NUMBER 58918 AND YOU'RE READY TO TOW.