

RV TOW Harness Wiring Kit

INSTALLATION INSTRUCTIONS

Fits: Ford Edge
Ford Escape
Lincoln MKX
Mercury Mariner

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

RV TOW HARNESS

INSTALLATION INSTRUCTIONS

1. Read instructions thoroughly before beginning.

Ford Edge / Lincoln MKX

2. Open the rear tailgate. Remove floor cover and foam inserts from both driver and passenger sides and set to the side. Remove threshold plate and set to the side.

3. Using a 8mm socket remove bolts holding taillights on driver and passenger side. Remove taillights and inspect connectors for dirt & debris and clean if necessary. Set taillights to the side and unseat grommet from body on both sides shown in **Figure 1**.

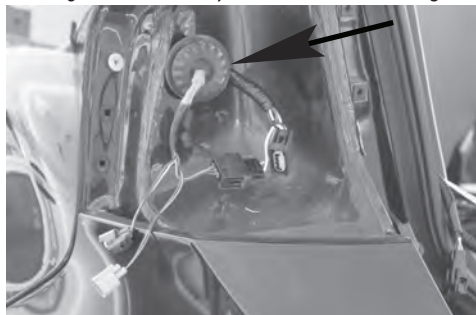


Figure 1

4. Starting on driver's side route RV harness with connectors containing Yellow wires through the opening behind the taillight where the grommet is located. Position connectors 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.

5. Make a slit in the grommet to allow RV harness wiring. Reseat grommet and it may be necessary to apply silicone to seal grommet where cut was made.

6. Using a 8mm socket remove the bolt holding the ground ring shown in **Figure 2**. Place the ring terminal on RV Harness with vehicle's ground ring and re-attach bolt.

7. Route portion of RV Harness with connectors containing Green wires down to bottom of side wall panel along the rear of vehicle and up behind passenger side panel. Repeat Steps 4 & 5 for connector plugging.

8. Cut the cable ties on 4-Flat portion of harness. Route the 4-Flat portion of the RV harness with connector ends containing the Green wire to the center of the floor to the grommet shown in **Figure 3**. Unseat grommet, make a slit in it and fit around 4-Flat wire. If so apply silicon around area to seal.

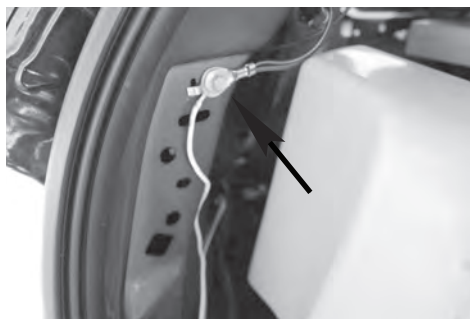


Figure 2



Figure 3

9. Underneath vehicle route 4-Flat wire over exhaust heat shield and around plastic guards to brake lines near front of vehicle. Secure with cable ties along the way.

An alternate routing method is to remove plastic guards and route above them and then replace guards.

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. Follow brake lines up into the driver's side of engine compartment, shown in **Figure 4**, until you reach the area behind the driver's side headlight.



Figure 4

11. 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

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 Edge / Lincoln MKX. 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 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 58920 AND YOU'RE READY TO TOW.

RV TOW HARNESS

INSTALLATION INSTRUCTIONS

1. Read instructions thoroughly before beginning.

Ford Escape / Mercury Mariner

2. Open the rear tailgate. Using a phillips screwdriver remove screws holding taillights on driver and passenger side shown in **Figure 1**. Remove taillights, set to side and inspect connectors for dirt & debris and clean if necessary.



Figure 1

3. Starting on driver's side position RV harness with connectors containing Yellow wires between separated vehicle harness connectors. Press connectors firmly into vehicle connectors until they lock into place. Pull on connectors to ensure 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 portion of RV harness with connectors containing Green wires down through the opening behind the taillight. Route along the plastic guard to the passenger side and secure with cable ties along the way shown in **Figure 2**.

7. Near the exhaust route through the frame to avoid exposure to the exhaust. Fish RV harness up to behind passenger taillight and repeat Step 3 for connector plugging.

8. Cut the cable ties on 4-Flat portion of harness. Route the 4-Flat portion of the RV harness down with connector ends containing the Green wire to underneath of vehicle.

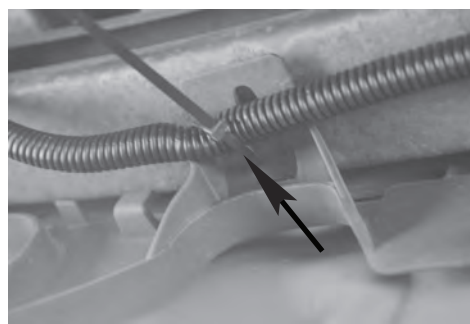


Figure 2

9. Underneath vehicle route 4-Flat wire to brake lines. Follow brake lines up and around rear wheel assembly and continue towards the front. Secure 4-Flat with cable ties along the way.

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. Follow brake lines up to frame rail with grooves near driver's side tire. Route along this rail until you can access area behind the front bumper shown in **Figure 3**.



Figure 3

11. 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 4**. 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 4

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 Escape / Mercury Mariner. 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 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 58920 AND YOU'RE READY TO TOW.