

INSTALLATION MANUAL

Level of Difficulty

Moderate

Electrical Ratings

Signal circuits 7.5-amps per side

Tail / Running Circuits 7.5-amps total

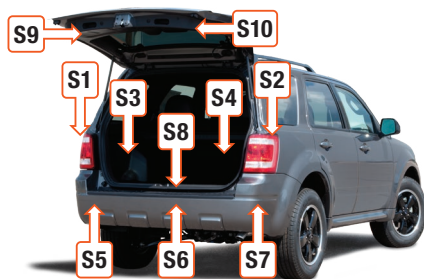
Check vehicle owner's manual or contact the vehicle manufacturer for more information.

Wiring Location(s)

S1, S2, S3 and S4

Wiring Location Guide* for SUVs and Vans (S)

S1	Behind driver side taillight housing
S2	Behind passenger side taillight housing
S3	Behind driver side rear access panel
S4	Behind passenger side rear access panel
S5	Behind driver side rear bumper
S6	Behind center of rear bumper
S7	Behind passenger side rear bumper
S8	Under rear floor panel
S9	Behind driver side rear access panel
S10	Behind passenger side rear access panel



* Representative vehicle shown

Tools Required

Ratchet	Socket, 8mm
Fishwire	Trim panel removal tool

⚠ WARNING

Do not exceed product rating or tow vehicle lamp load rating, whichever is lower.

Product Photo



Included Parts



NOTICE

Before you begin installation, read all instructions thoroughly.

Proper tools will improve the quality of installation and reduce the time required.

All steps must be followed to ensure the product will function properly. Once installed, test for proper function by using a test light or connecting a properly tow vehicle.

Maintenance

Periodic inspection of all wires and connections should be performed to ensure there is no visible damage or loose connections.

Product Registration and Warranty

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FORD EDGE & LINCOLN MKX

Step 1

Open the vehicle's trunk / rear door. Remove all trunk floor coverings and foam inserts from both sides of the vehicle. Remove the threshold plate and set it aside.

Step 2

Using a 8mm socket, remove the bolts securing the taillights on the driver and passenger sides.

Locate the vehicle taillight wiring connectors. The connectors will be similar to those on your RV harness. Separate the connectors from the taillight housing taking care not to damage the locking tabs. Remove the taillights. Inspect the connectors for dirt and debris and clean if necessary. Set the taillights aside.

Locate the grommet behind the taillights where the vehicle's taillight wiring passes though from inside the cabin to the taillight. Remove the grommets from both sides and cut slits large enough to route the RV harness ends though.



Step 3

Starting on driver's side, route the RV harness end with the yellow wires out through the grommet opening and through the slit in the grommet.

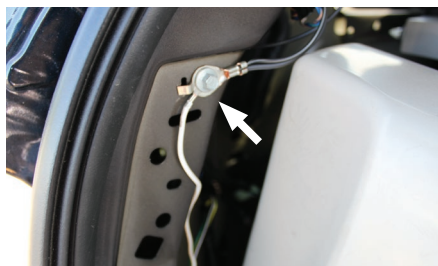
Insert the RV harness wiring end with yellow wires between the separated vehicle connectors. Make sure the connectors are fully inserted with locking tabs in place. Reseat the grommet. Use the grommet sealant to seal the cut in the grommet and around all the wires.

Step 4

Using an 8mm socket, remove the bolt holding the ground ring shown in Figure 2. The area should be free of rust, dirt and paint. Secure the white ground wire using the ring terminal and provided screw.



Check for miscellaneous items that may be hidden behind or under any surface before drilling to avoid damage and / or personal injury.



Step 5

Route the RV harness end with the green wire down to the bottom of the side wall panel along the rear of vehicle and up behind passenger side panel. Repeat steps 2 and 3 on the passenger side using the wiring end with the green wire.

Step 6

Cut the cable ties on 4-flat portion of the harness. Route the 4-flat of the RV harness with green wire to the center of the floor and to the grommet shown in Figure 3.

Remove the grommet and cut a slit large enough to route the 4-flat end through.

Reseat the grommet. Use the grommet sealant to seal the cut in the grommet and around all the wires.



Step 7

Underneath the vehicle, route the 4-flat over the exhaust heat shield and around the plastic guards to the brake lines near the front of the vehicle. Secure with cable ties along the way. **Note:** An alternate routing method requires you to remove the plastic guards and route above them. After routing, replace the guards.

WARNING

Avoid areas that contain moving parts or could cut, pinch or burn the wires when routing the 4-flat harness to the front of the vehicle. Failure to follow these warnings may cause property damage, personal injury or loss of life.

Step 8

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



Step 9

Locate the front frame rail that goes across the front of the vehicle. Locate a suitable position to mount the 4-flat bracket.

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. Secure the 4-flat to the frame rail with a cable tie.

WARNING

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



Step 10

Secure any excess wire so that it is not drooping or dangling, but not so tight that it causes unnecessary strain to the wire which could lead to breakage over time. After removing slack from the 4-flat wire, tighten any zip ties and add as needed. Use a zip tie to fasten any excess wire to a solid spot along the driver-side inner fender.

Reinstall all items removed during install. If it was disconnected at the beginning of the installation, reconnect the negative battery terminal. Install the provided 4-flat dust cover to help prevent corrosion.

FORD ESCAPE & MERCURY MARINER

Step 1

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.



Step 2

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.

Step 3

Locate a suitable grounding point near the connector such as an existing screw with nut in the vehicle frame or drill a 3/32" pilot hole for the provided screw. The area should be free of rust, dirt and paint. Secure the white ground wire using the ring terminal and provided screw.



WARNING

Check for miscellaneous items that may be hidden behind or under any surface before drilling to avoid damage and / or personal injury.

Step 4

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.



Step 5

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.

Step 6

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.

Step 7

Underneath the vehicle, route the 4-flat to the brake lines near the front of the vehicle. Follow the brake lines up and around rear wheel assembly and continue towards the front. Secure with cable ties along the way.

WARNING

Avoid areas that contain moving parts or could cut, pinch or burn the wires when routing the 4-flat harness to the front of the vehicle. Failure to follow these warnings may cause property damage, personal injury or loss of life.

Step 8

Follow the brake lines up along the frame rail containing grooves near driver's side tire. Route along this rail until you can access the area behind the front bumper as shown.



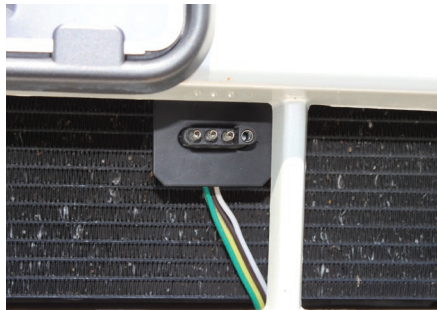
Step 9

Locate the front frame rail that goes across the front of the vehicle. Locate a suitable position to mount the 4-flat bracket.

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. Secure the 4-flat to the frame rail with a cable tie.

WARNING

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



Step 10

Secure any excess wire so that it is not drooping or dangling, but not so tight that it causes unnecessary strain to the wire which could lead to breakage over time. After removing slack from the 4-flat wire, tighten any zip ties and add as needed. Use a zip tie to fasten any excess wire to a solid spot along the driver-side inner fender.

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