

INSTALLATION INSTRUCTIONS

⚠ WARNING: DO NOT EXCEED PRODUCT RATING OR TOW VEHICLE LAMP LOAD RATING, WHICHEVER IS LOWER

APPLICATIONS

Make	Model
Ford	Escape

WIRING LOCATION GUIDE

SUVS, MINI & FULL-SIZED VANS (S)

Representative vehicle shown below

S1 - Behind driver-side taillight housing

S2 - Behind passenger-side taillight housing



NOTICE

All steps must be followed to ensure the wiring harness will function properly. Once installed, test for proper function by using a test light or connecting a properly wired trailer.

TOOLS NEEDED

Panel trim removal tool	3/32" drill bit
Ratchet	Drill
Ratchet extension	Phillips screwdriver
6mm socket	Small flat screwdriver
8mm socket	Fish wire
10mm socket	Cutting tool
T25 Torx bit	

⚠ WARNING

Exceeding the product rating can cause loss of warranty, overheating and potential fire. Do not exceed product rating or tow vehicle lamp load rating, whichever is lower.

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.

INSTALLATION / SAFETY INSTRUCTIONS

Step 1

Open the rear hatch. Remove all floor coverings (A).

Step 2

Remove all the fasteners from the cargo storage trays (B,C). Disconnect the connectors from all of the units in the storage trays (D,E). Remove all storage trays (F).

Step 3

Remove the fasteners securing the rear scuff panel. Remove the scuff panel by pulling out on the bottom and then up (G). Take care not to damage the alignment tabs on the back.

Step 4

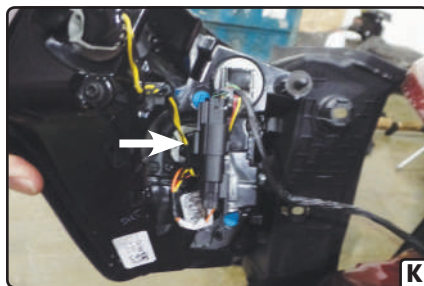
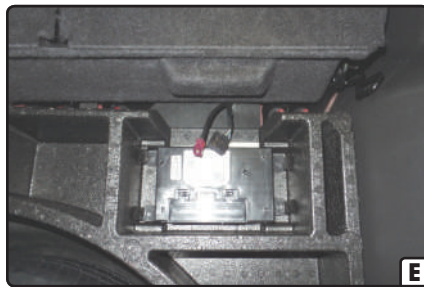
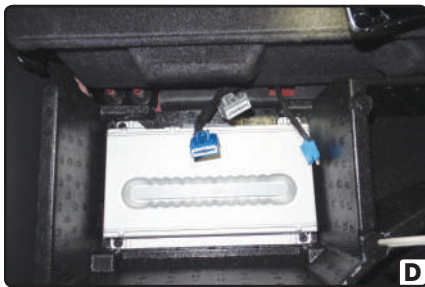
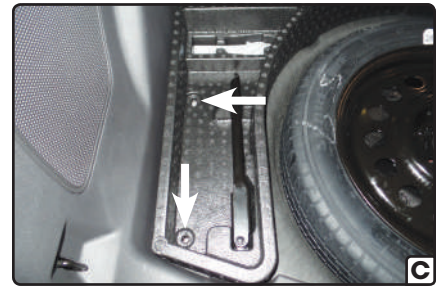
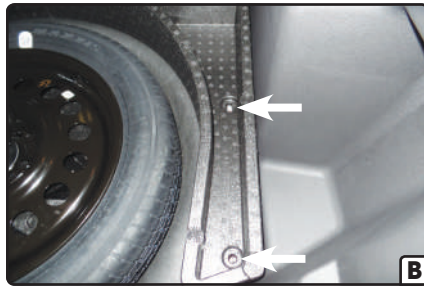
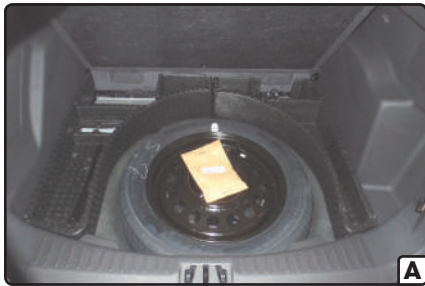
Starting on the driver side, pull out on the side trim panel to locate the vehicle electrical wiring harness (H). Take care not to damage any alignment tabs on the back.

Step 5

Locate and remove the taillight fastener covers (I). Remove the taillight by removing the fasteners securing it in place (J). Pull straight back on the taillight taking care not to damage any alignment tabs.

Step 6

Locate the vehicle taillight wiring harness connectors on the back of the taillight (K). The connectors will be similar to those on the RV wiring harness. Separate the connectors from the taillight housing taking care not to damage the locking tabs. Set the taillight aside.



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Step 7

Behind the taillight, remove the grommet from which the vehicle taillight wiring harness is passing through from the inside of the trunk to the taillight (L).

Step 8


Taking the removed grommet, make a small slit in the grommet to route the RV wiring harness through (M1, M2). Route the RV wiring harness end with the yellow wire out through the slit in the grommet from the hatch out to the taillight connector (M3, M4). Insert the RV wiring harness end with the yellow wire between the separated vehicle and taillight connectors. Make sure the connectors are fully inserted with locking tabs in place.

Step 9

Reseat the grommet. Use the provided cable ties to hold the wires together that are passing through the grommet. Use the provided grommet sealant to seal the cut in the grommet and around all wires. Reinstall the taillight.

Step 10

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 11

From inside the vehicle, route the RV wiring harness end with the green wire down behind the interior side panel and out along the rear wall of the vehicle to the passenger side. Repeat steps 4-9 on the passenger side, using the harness end with the green wire.


Step 12

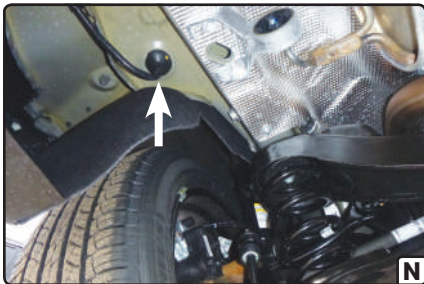
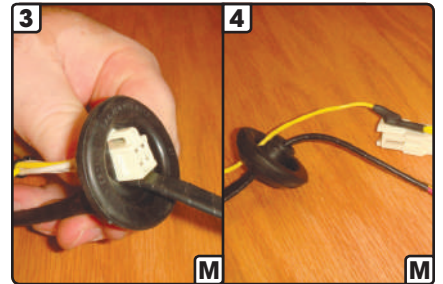
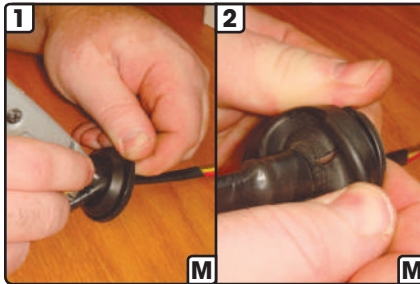
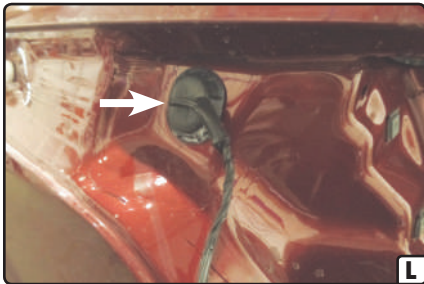
From underneath the vehicle, locate and remove the grommet on the driver-side rear floor panel (N). Taking the removed grommet, make a small slit in the grommet to route the RV wiring harness 4-flat end through (M1, M2). Route the RV wiring harness 4-flat end out through the slit in the grommet from inside the hatch out to underneath the vehicle (M3, M4).

Reseat the grommet. Add sealant to the seated grommet where the RV harness wires pass through the grommet.

Step 13

Using a fish wire, route the 4-flat over the driver-side rear wheel well. Continue to route the wires to the front of the vehicle, securing to the brake line brackets (O). Note, some cover trim panels under the vehicle may need to be removed to route the 4-flat to the front of the vehicle.

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




INSTALLATION / SAFETY INSTRUCTIONS

Step 14

Open the hood. From inside the engine compartment route a fish wire down and over the top of the driver-side wheel well. It may be necessary to remove additional clips and / or screws from the wheel well cover. Secure the 4-flat to the fish wire at the other side of the driver-side front wheel well and pull up the 4-flat into the engine compartment (P).

Step 15

Route the 4-flat to a flat out-of-the way area within the engine compartment (Q). 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.

 **WARNING:** Check for miscellaneous items that may be hidden behind or under any surface before drilling to avoid damage and / or personal injury. Take care not to drill through the body or any exposed surface.

Step 16

Attach the 4-flat bracket in place using two screws. Secure the 4-flat in the mounting bracket.

Step 17

Using the RV extension harness, plug one end into the 4-flat mounted in the towed vehicle and the other end to the RV. Test all functions on the towed vehicle. These functions will only work on the brake / tail combination lamps on the towed vehicle.

4-Flat Harness Color Code:

White - Ground

Brown - Taillights

Green - Right Turn and Brake Signal

Yellow - Left Turn and Brake Signal

When not using the 4-foot RV extension harness, roll up and store in the glove box.

Step 18

If all functions work on the towed vehicle, reinstall all items removed during install. Install the provided 4-flat dust cover to help prevent corrosion. Use cable ties as needed to secure any loose wires.

Note: This RV harness also includes a connection point labeled "FOR TRAILER TOW USE ONLY: CONVERTER 58920 REQUIRED." If you decide to leave your RV harness installed on the vehicle at all times and want to tow a trailer, simply plug in the 4-flat harness part number 58920 (NOT INCLUDED) and you are ready to tow.

