INSTALLATION INSTRUCTIONS

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

APPLICATIONS

Make	Model
Lincoln	MKX

CURT

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

Ratchet
Ratchet extension
5.5mm socket
1/4" socket
8mm socket
10mm socket
T-20 Torx bit
3/32" drill bit
Panel trim removal tool
Small flat screwdriver
Phillips screwdriver
Cutting tool
Fish wire

⚠ WARNING

The battery connection must be fuse-protected, 10-amp max. 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 - 6.0 amps per side
Tail / Running Circuits - 6.0 amps total

INSTALLATION / SAFETY INSTRUCTIONS

Step 1
Open the rear hatch.

Step 2
Starting on the driver side, locate and remove the fasteners securing the taillight in place (A).

Step 3
Using a soft pry tool on the leading edge of the taillight, remove the taillight by gently pulling to the side of the vehicle and rearwards (B).

Step 4
Locate the vehicle taillight wiring harness connectors behind the taillight (C). The connectors will be similar to those on the RV harness. Separate the connectors from the taillight housing taking care not to damage the locking tabs. Set the taillight aside.

Step 5
Remove part of the rear bumper fascia by using a soft pry tool to release the locking tabs. Start with the first locking tab closest to the rear hatch and work your way around to the rear wheel well (D,E).

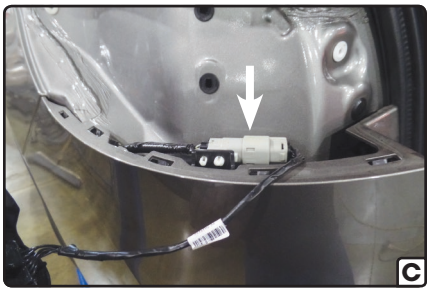
Step 6
Release the six locking tabs securing the rear wheel well trim panel in place (F). Locate the T-20 Torx fasteners by pushing the rear wheel well trim panel aside. Remove the T-20 Torx bumper retaining fasteners (G).

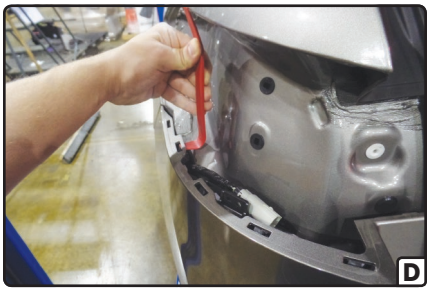
Step 7
Locate the trim panel underneath the vehicle and behind the rear tire. Remove the 5.5mm fasteners (H).

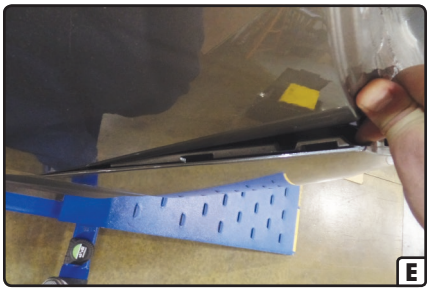
Step 8
Repeat steps 2-7 on the passenger side.

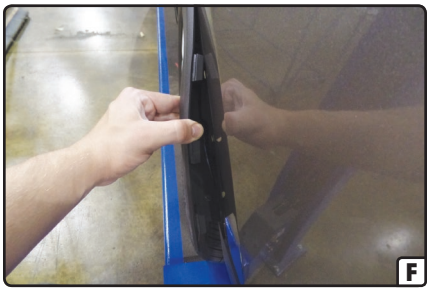
Step 9
Remove the bumper fascia by using a soft pry tool to gently pry out the edges near the hatch opening (I). Once the top retainers are loose the remaining tabs will pop loose. Remove the bumper fascia and set aside on a clean soft surface to avoid any scratches or damage.

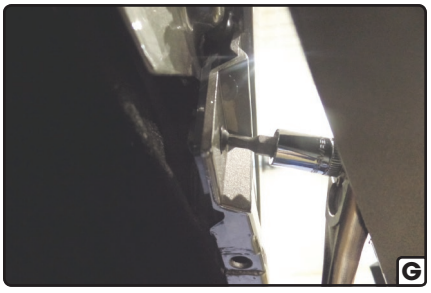
Step 10
With the bumper fascia removed, the collision connector will be exposed on the driver side in the bumper frame (J). Unplug the connector.

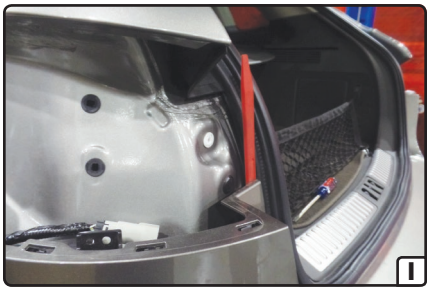












Step 11
On the driver side, insert the RV harness end with the yellow wire between the separated taillight connectors. Make sure the connectors are fully inserted with locking tabs in place.

Step 12
Using the vehicles wiring harness as a guide, route the RV harness down along the vehicle to the rear bumper frame. Route the RV harness with the green wire to the passenger side back along the bumper frame. Repeat step 11 on the passenger side using the RV harness with the green wire. Use the provided cable ties to secure any loose wires.

Step 13
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 14
Insert the trailer side 4-flat end into the mating connector on the RV harness. Make sure the connectors are fully inserted with locking tabs in place.

Step 15
Route the trailer-side 4-flat of the RV harness on the underside of the vehicle along the brake lines to the front of the towed vehicle. Route the harness from the rear of the vehicle to the front along the brake lines. Some trim cover panels may need to be removed to route the 4-flat under the vehicle (K,L,M,N). 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 16
Follow the brake lines up into the engine compartment to reach the area behind the driver-side headlight (O).

Step 17
Locate a suitable flat position to mount the trailer-end 4-flat bracket (O). Using the bracket as a template, mark the two drill locations and drill two 3/32" holes. Attach the bracket using the two provided screws.

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

Step 18
With the 4-flat extension plugged into the RV harness on one end and the RV on the other, perform a function test. These functions will only work on the brake / taillight combination lamp. When not in use store the 4-flat extension in the vehicle.

4-flat harness color codes:

White - Ground Green - Right Turn / Brake
Brown - Taillights Yellow - Left Turn / Brake

Step 19
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 includes a connection point labeled 'For trailer tow use only: 4-flat harness required.' If you decide to leave your RV harness on the vehicle at all times and want to tow a trailer, simply plug in the 4-flat harness.