

INSTALLATION MANUAL

Level of Difficulty

Easy

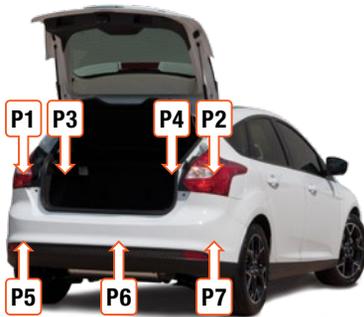
Installation difficulty levels are based on time and effort involved and may vary depending on the installer level of expertise, condition of the vehicle and proper tools and equipment.

Wiring Location(s)

P3 and P4

Wiring Location Guide* for Passenger Cars (P)

P1	Behind driver side taillight housing, outside of trunk
P2	Behind passenger side taillight housing, outside of trunk
P3	Behind driver side taillight housing, inside of trunk
P4	Behind passenger side taillight housing, inside of trunk
P5	Behind driver side rear bumper
P6	Behind center of rear bumper
P7	Behind passenger side rear bumper



* Representative vehicle shown

Tools Required

Ratchet	Wire cutter
Socket, 10mm	Wire crimp
Panel trim removal tool	--

⚠ WARNING

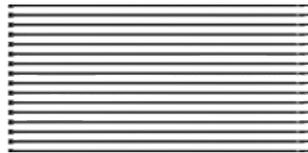
Do not exceed product rating or tow vehicle lamp load rating, whichever is lower.

Be sure not to lay tools across the positive (typically noted with red covers or a red '+' symbol). This can cause a ground to short causing sparks and / or electrical shocks.

Product Photo



Hardware Photo



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 wired trailer.

Maintenance

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

Step 1

Locate the vehicle battery, on the driver side under the hood. Disconnect the negative battery terminal. Be sure to fasten this wire down and away from the battery when completing the installation process



Step 2

Remove the floor board exposing the spare tire. Use a trim tool loosen the threshold and remove by pulling straight up.



Step 3

Use a 10mm socket to remove the cargo hold-downs on both sides.



Step 4

Use a trim tool to loosen the sidewall on the driver side. Locate the taillight housing in between the body and the wall panel. They will be secured to the side wall with push fasteners.

Locate the and separate the connectors, taking care not to damage the locking tabs.

Note: The connectors have external red locks that need to be released by moving the tab towards the housing wire. The internal lock needs to be pressed in to unlock the housings. The housings tends to release easier if you push the housings together and press the lock release until it clicks and pull the housing apart.



Step 5

Locate the T-end on the custom harness with the yellow wire and install between the factory wiring.

Step 6

Route the green wire to the passenger side along the back of the vehicle using cable ties to secure in place.



Step 7

Repeat steps 4 and 5 on the passenger side.

Step 8

Locate a grounding point such as an existing screw or bolt in the frame of the vehicle or drill a 3/32" pilot hole. The area should be free from rust, dirt, and paint (abrasive pad/paper to remove rust and paint). Secure the white ground wire with the ring terminal on the existing fastener or with the provided ground screw.

⚠ CAUTION

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



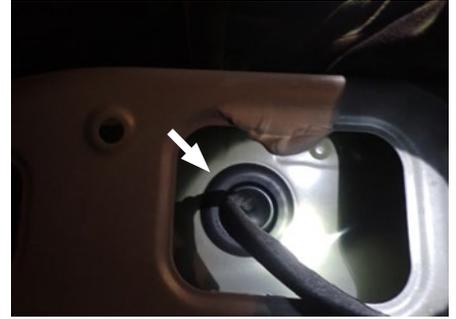
Step 9

Test the harness with a separate vehicle by plugging the RV harness 4-flat to a second vehicle with a working mating 4-flat. Test that the stop, turn, and taillight functions work properly before completing the install.

Step 10

Locate the rubber grommet between the driver side and the center of the trunk in the back wall of the vehicle. Remove the grommet and leave it out until the 4-flat wire is routed.

Feed some of the 4-flat through (10-15 inches). From under the vehicle, reach up between the trunk pan and the backside of the bumper cover and pull the 4-flat out of the interior of the trunk to the exterior.



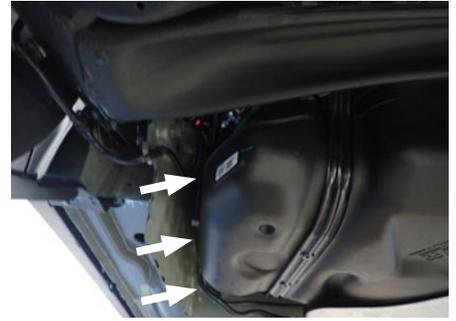
Step 11

Route the 4-flat wire around the trunk pan above the exhaust towards the rear of the vehicle. As you route, loosely secure the harness with cables tie up and away from moving or hot objects and pinch / crush points this will allow for later adjustment.



Step 12

After routing past the muffler, keep the harness up close to the body of the vehicle away from the rear suspensions. Route along the fuel tank. Once at the brake lines, stay between them and the center of the vehicle until routing up into the engine compartment.



How to Fishwire

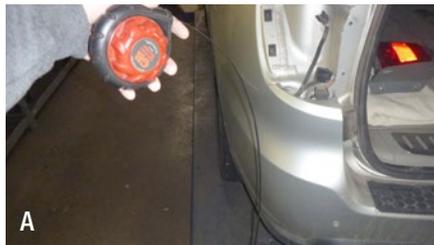
A) Fish wire is a way to push or pull an electrical wire through a blind hole. Make sure the wire is long enough to stick out on the other side.

Insert the fish wire through the blind hole and locate it on the other side.

B) Use tape to secure the harness to the fish wire and pull back up.

The fish wire or harness may get hung up on something, if this happens you may have to push back down, wiggle it around or twist the wire to loosen it from what it's hung up on.

Fish wire could be anything from a cut-up wire hanger, stiff wire, rope or string depending on what is needed for the installation.



Step 13

Route the 4-flat over to just behind the front tire. Use a fish wire from the top of the engine compartment. Route a fish wire down between the outer and inner fender on the driver side where the hood hinge mounts are. You may need to loosen the inner wheel well covering to find the fish wire. Tape the 4-flat to the fish wire and pull to the top of the engine compartment.



Step 14

Route under the foam trim and under the front fender ledge to the front of the vehicle along the rear of the headlight. Mount the 4-flat in the engine compartment towards the front of the vehicle.



Step 15

Tighten all the cable ties, cut and install grommet back into place and seal with provided silicone sealant.

Reinstall all items removed during install. If it was disconnected at the beginning of the installation, reconnect the negative battery terminal.