

# INSTALLATION MANUAL



## Level of Difficulty

Moderate

## Electrical Ratings

Signal circuits	3.0-amps per side
Tail / Running Circuits	6.0-amps total

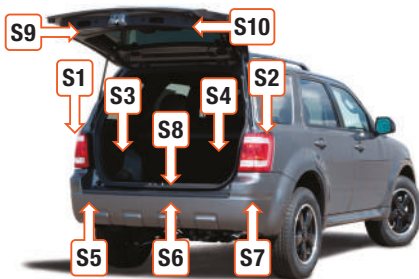
Check vehicle owner's manual or contact the vehicle manufacturer for more information.

## Wiring Location(s)

S3

## 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

Socket, 8mm	Ratchet
Socket extension	Cutting tool
Panel trim removal tool	Large Phillips screwdriver
Small flat head screwdriver	Impact screwdriver with large Phillips head

## ⚠ WARNING

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

The battery connection must be fuse-protected, 15-amp max. Exceeding the product rating can cause loss of warranty, overheating and potential fire.

Do not lay tools across the positive terminal (typically labeled with red covers or a red "+" symbol). This can cause a ground to short causing sparks, and / or electrical shocks.

## 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. Look up the battery location in the owner's manual of your vehicle. Disconnect the negative battery terminal. Be sure to fasten this wire down and away from the battery when completing the installation process.

If installing on a Honda Pilot, proceed to step 2A.

If installing on a Honda Passport, proceed to step 2B on page four.



### Step 2A - Pilot

Open the rear hatch, fold down the rear seats and remove the floor coverings.



### Step 3A - Pilot

Remove the spare tire tool kit access panel on the driver side and remove the jack.



### Step 4A - Pilot

Remove the access panel to the fuel funnel.



### Step 5A - Pilot

Remove the rear seat trim to release the fasteners by lifting up at the bottom and pulling to the rear of the vehicle.



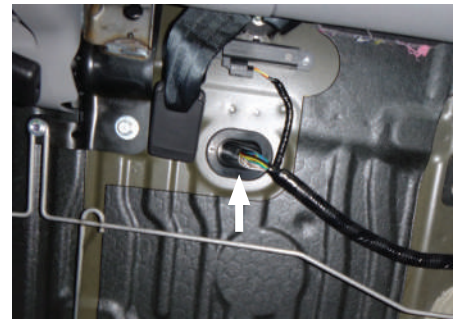
### Step 6A - Pilot

Unfold the rear seats. From the driver-side third row rear seat, remove the elastic band that is attached to the lower seat, wrapped around the seatbelt latch (female side).



### Step 7A - Pilot

Reach between the back of the seat and the seat and pull towards the front of the vehicle to reveal a grommet with several wires. Pull this grommet out.



### Step 8A - Pilot

Install the red 10-amp fuse from the bag kit into the fuse holder on the factory harness. Pull back the carpet and route the white connector end between the vehicle floor pan and the driver-side wall. Route the harness in front of the jack mount and behind the access panel.



### Step 9A - Pilot

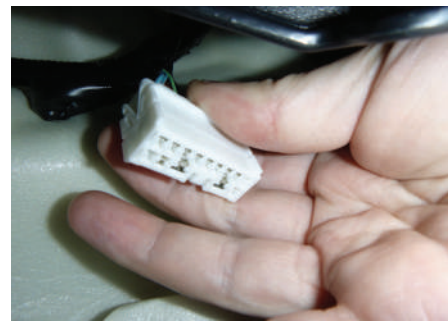
From the funnel access, reach up and to the rear and find the mating housing that connects to the custom harness. If the housing is already connected to a harness, you will need to disconnect this housing (used for the backup sensor). Install the custom wiring harness to the vehicle wiring harness. Make sure the connectors are fully inserted with locking tabs in place.

#### NOTICE

If you need to disconnect the backup sensor you will need to reconnect it to the single wire connector on the custom wiring harness. This allows the backup sensor to still function.

#### NOTICE

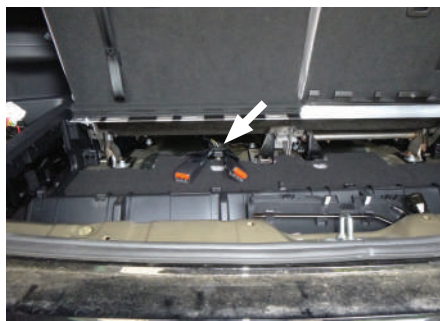
If gaining access to the harness is difficult due to physical limitations, follow steps 3B and 4B for the Passport to attach the custom wiring harness to the factory harness in the Pilot.



### Step 10A - Pilot

Route the round housing over to the grommet found under the third row seat and feed the round housing down through this hole. The USCAR plug will fit through the oval opening sideways.

Proceed to Step 11 on page six to complete the installation for the Honda Pilot..



### Step 2B - Passport

Open the rear hatch and storage hatch to expose the spare tire. Locate the two locking rings in the storage tray and loosen to remove the tray.

Remove the spare tire from the storage hatch.



### Step 3B - Passport

Using a trim tool, remove the skid plate at the rear of the vehicle. Using a small flat head screw driver, release the cover on the upper cargo hook. Remove the 8mm bolt behind the cover. Using a flat head screw driver, lift the lower cargo hook and open the access to expose a large Phillips-head screw.

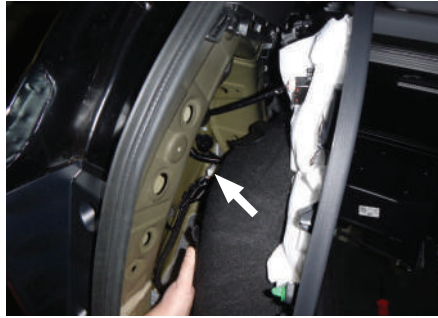
#### NOTICE

The Phillips-head screw can be troublesome. Use an impact screwdriver to prevent damage to the screw when removing.



### Step 4B - Passport

Use a panel trim removal tool to release the driver-side panel and pull open the panel to expose the factory harness.



### Step 5B - Passport

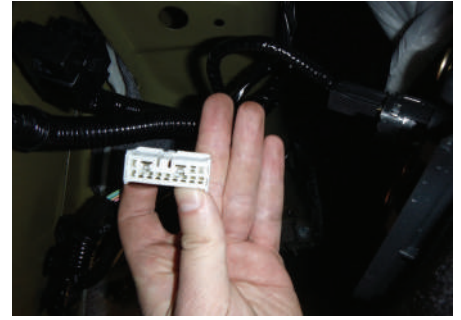
Use the panel trim removal tool to remove the push fastener securing the floor covering in place (the access hole below the side storage bin).

Pull the carpet back from the driver side to the passenger side. Use the trim tool to remove the plastic cover exposing the electrical passing through the grommet.



### Step 6B - Passport

Install the red 10-amp fuse from the bag kit into the fuse holder on the factory harness. From the access hole below the side storage bin on the driver side, run the white connector end up to the factory harness plug. If this housing is already connected to a harness, disconnect this housing (used for the backup sensor). Install the custom wiring harness to the vehicle wiring harness. Make sure the connectors are fully inserted with locking tabs in place.



#### NOTICE

If you need to disconnect the backup sensor you will need to reconnect it to the single wire connector on the custom wiring harness. This allows the backup sensor to still function.

### Step 7B - Passport

Run the other end of the harness under the carpet and through the grommet hole (the USCAR plug will fit through the oval opening sideways).

Proceed to Step 11 to complete the installation for the Honda Passport.



### Step 11

From under the vehicle, determine the 7-way mounting location and mount the 7-way socket connector. Route the wiring in the center of the vehicle (above the spare tire on the Pilot). Secure with zip ties as needed and plug into the 7-way socket connector.



### Step 12

From inside the vehicle use a cutting tool to carefully cut the grommet, allowing a large enough opening for the custom wiring harness to go through and allows the grommet to be pushed back into place in the body of the vehicle. Use the tube of silicon to seal around the custom wiring harness.

### Step 13

Locate a flat spot on the floor board of the vehicle. Adhere the black converter box using the provided double-sided tape.

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.

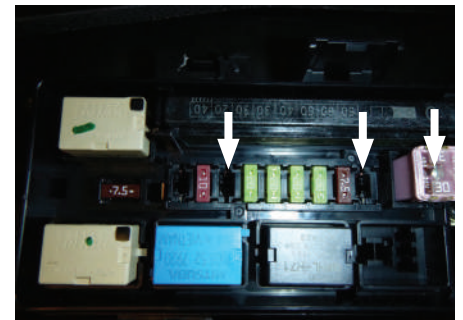
#### **CAUTION**

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



### Step 14

In the engine compartment, locate the fuse panel next to the brake fluid reservoir. Remove the cover and install the two 20-amp (yellow) fuses in the three and eleven locations, and the 30-amp (pink) fuse in location two.



### Step 15

Reinstall all items removed during harness install, and reconnect the negative battery terminal.

#### **NOTICE**

Once the 12 volt power wire is connected to the harness verify that the harness is functioning by attaching the battery and testing with a test light, 4-flat tester, or a functioning trailer.

## TROUBLESHOOTING

### Troubleshooting

#### Lights do not function.

Verify the inline fuse is good. Check the grounding location using a test light. Attach the clip end of the test light to the ground location using the probe end of the test light on the power wire from the battery.

Make sure the surface around the ring terminal is raw or bare metal.