



GENUINE PARTS

INSTALLATION INSTRUCTIONS

1. DESCRIPTION: Auto-Dimming Mirror Kit with Compass

2. APPLICATION: Xterra (2007)

3. PART NUMBER: 999L1 KT000

4. KIT CONTENTS:

Item	Qty	Description	Service Part Number
A	1	EC Mirror	999L1 KT000S2
B	1	Parts Kit	999L1 KT000S1
C	1	Harness Assembly – Power and Ground	n/a
D	2	IDC Wire Connector	n/a
E	1	Wire Cover	n/a
F	8	Wire Ties, Small	n/a
G	1	Wire Tie, Large	n/a
H	15	Foam Tape	n/a
I	1	Installation Instructions Replacement Template	n/a
J	1	User Guide	n/a

5. TOOLS REQUIRED:

Clean Rag	T-20 Torx Head Driver	Panel Removal Tool	3M Crimping tool No. E-9BM or lineman pliers.
Needle Nose Pliers	4mm Flat Screwdriver	10mm Socket Wrench	Phillip's Screwdriver

6. INSTALLATION PRECAUTIONS / NOTES:

 **WARNING**

Disconnect vehicle battery before installing EC mirror to prevent possible shock injury during installation.

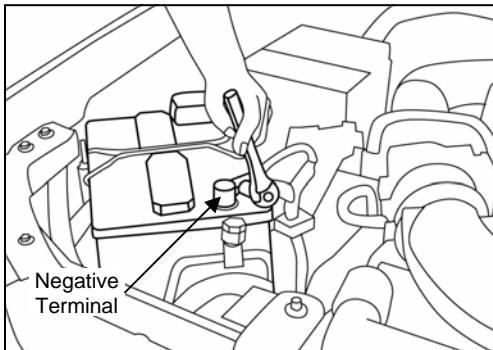
 **CAUTION**

Place removed vehicle trim components in a clean, dry area to prevent damage

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7. INSTALLATION PROCEDURE

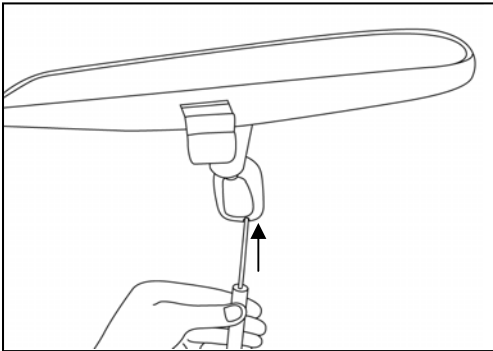
- 1) Prepare Vehicle For EC Mirror Installation
 - a) Place kit components on a clean, padded surface and inspect for damage or defects.
 - b) Record customer's programmed radio stations.



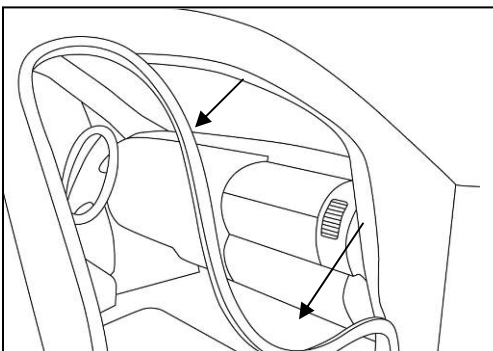
- c) Disconnect negative battery terminal.

CAUTION

Do not use excessive force when removing OE mirror from windshield. The window button may separate from windshield or the windshield could break.

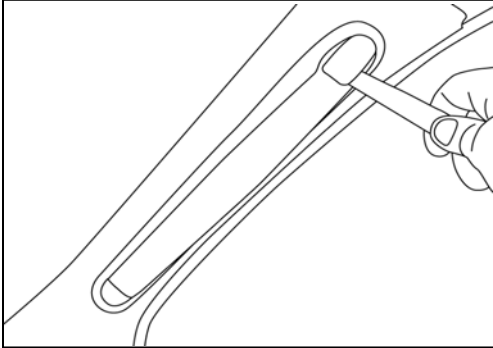


- 2) Removal of OE Rearview Mirror
 - a) Insert the flat end of a 4mm screwdriver into the opening at the bottom of the mirror mount.
 - b) Slide the screwdriver upward into the center of the mirror mount until resistance is felt. Apply a small amount of additional upward force to lift a locking spring in the mount.
 - c) While still applying upward pressure with the screwdriver, grasp the mirror bracket and lift the mirror up towards the headliner and off the mirror mounting bracket.

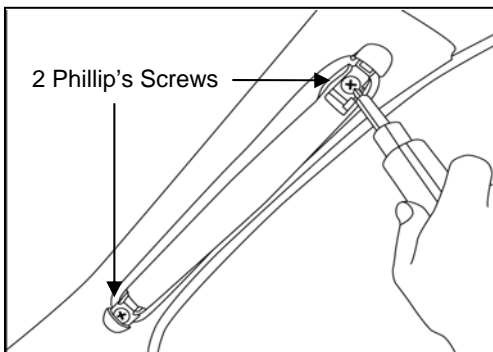


- 3) Vehicle Disassembly
 - a) Remove passenger side weather strip from top of A-pillar to below bottom of glovebox.

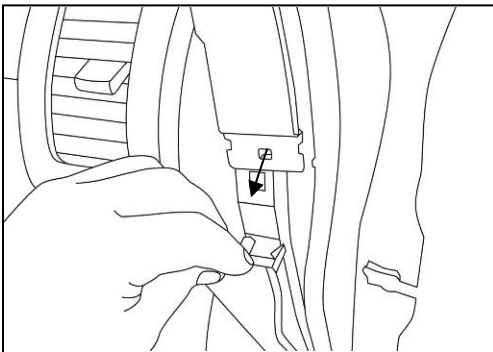
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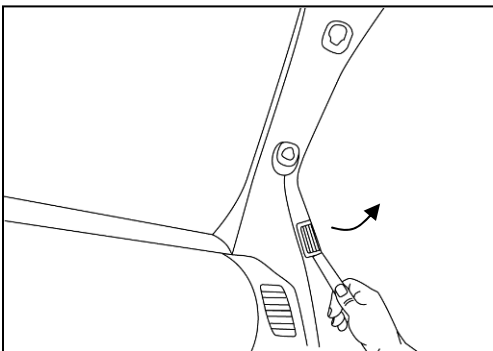
- b) Using panel removal tool, carefully open covers on passenger side grab handle to expose 2 Phillip's screws.



- c) Using Phillip's screwdriver, remove 2 screws from passenger side grab handle and remove grab handle.

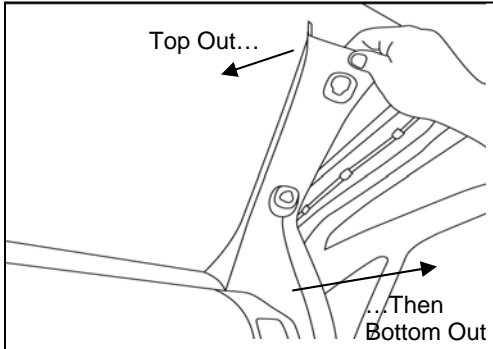


- d) Remove lower A-pillar trim piece.

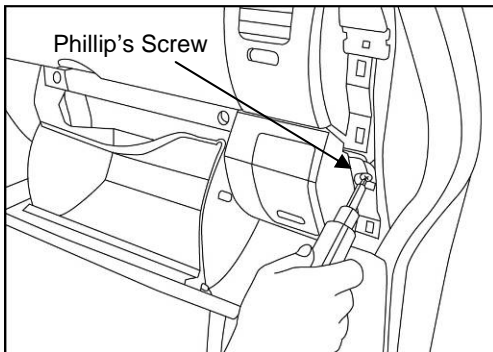


- e) Remove A-pillar air vent trim piece.

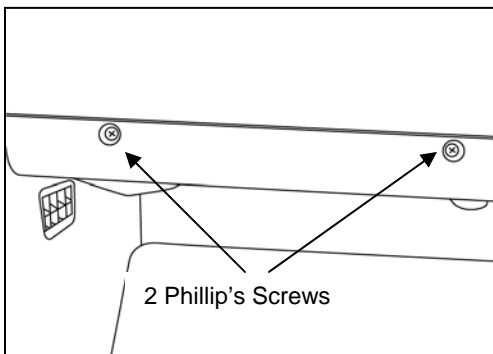
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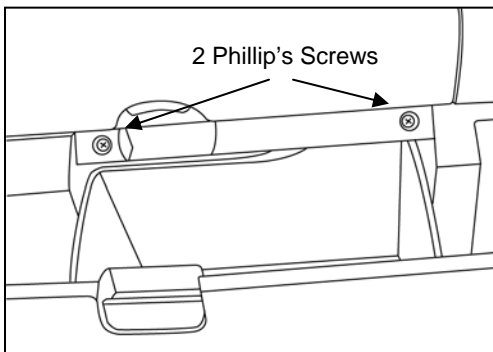
f) Remove A-pillar trim by pulling top out first and then bottom.



g) Remove Phillip's screw from side of glovebox assembly.

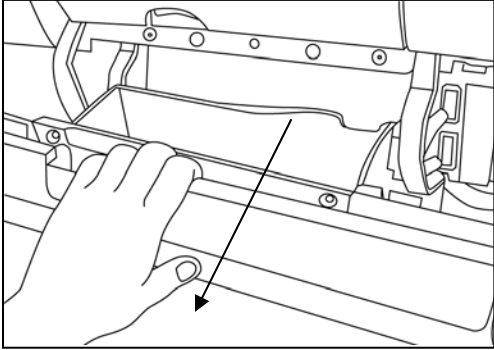


h) Remove 2 Phillip's screws from lower glovebox assembly.

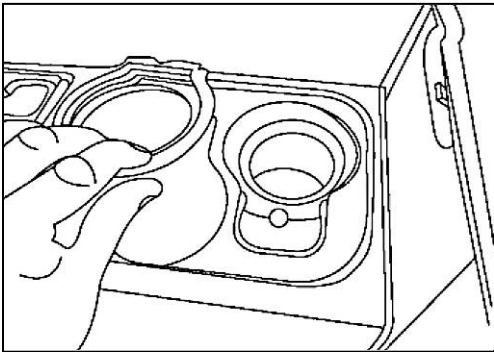


i) Remove 2 Phillip's screws from upper glovebox assembly.

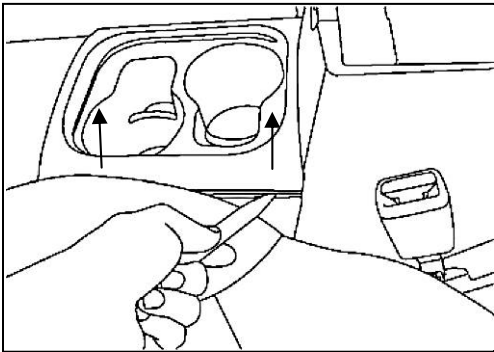
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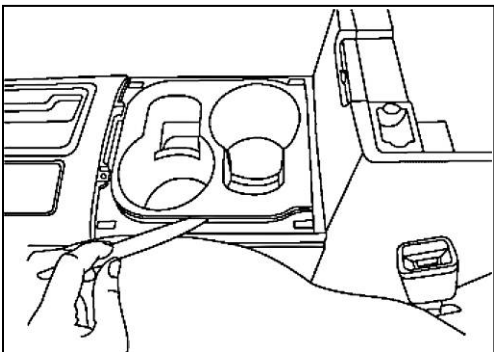
j) Remove glovebox assembly.



k) Remove cup-holder inserts from center console.

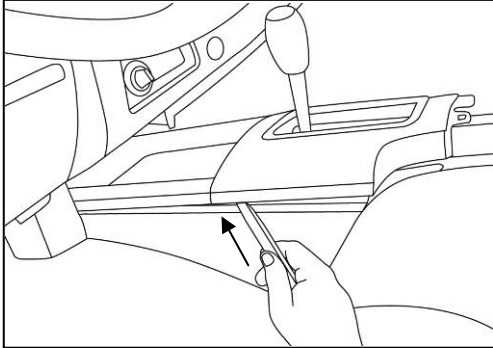


l) Using panel removal tool, remove the cup-holder finisher panel from center console.

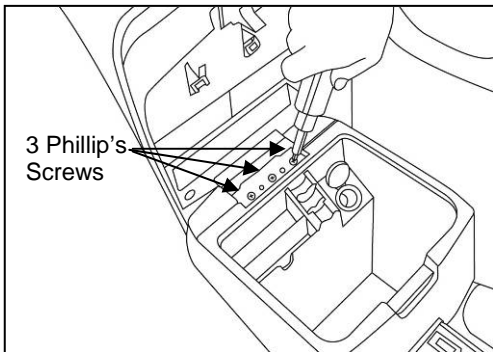


m) Using panel removal tool, remove the cup-holder frame from center console.

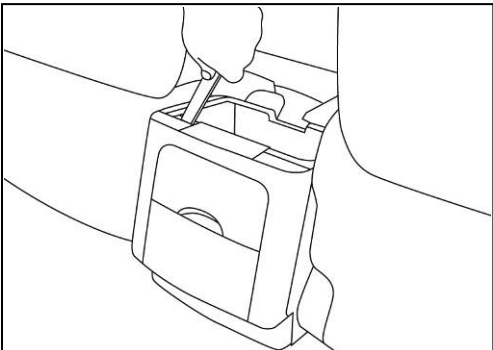
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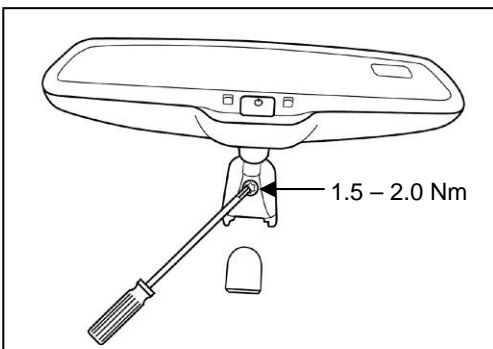
- n) Using panel removal tool, pry upwards on center console trim to disengage fasteners and remove.



- o) Open storage bin at rear of center console.
- p) Using Phillip's screwdriver, remove 3 Phillip's screws from storage bin over and remove cover.

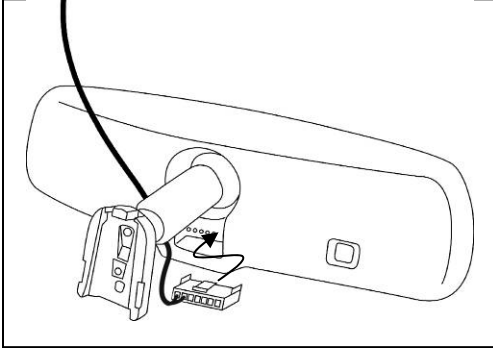


- q) Using panel removal tool, detach rear panel of center console and remove.

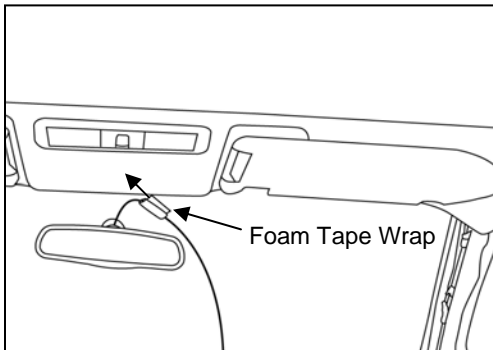


- 4) Install EC mirror
 - a) Slide the EC mirror base over the button on the windshield.
 - b) Using a T-20 Torx head driver, tighten the screw on the mirror mount (1.5 – 2.0 Nm)

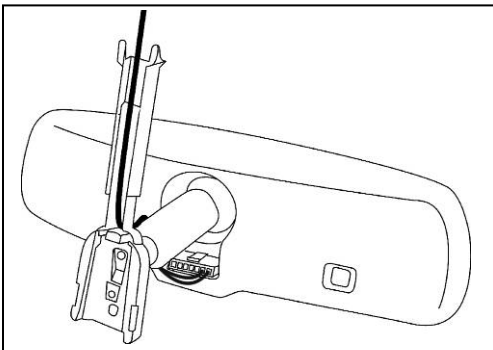
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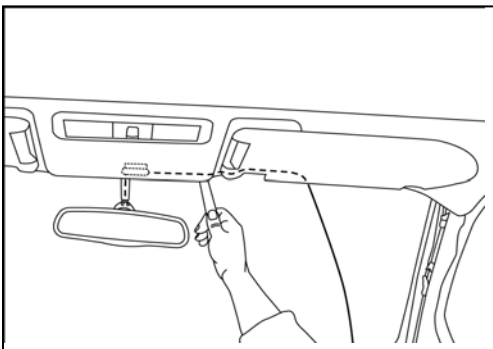
- c) Plug the EC wire harness connector into the back of the EC mirror.



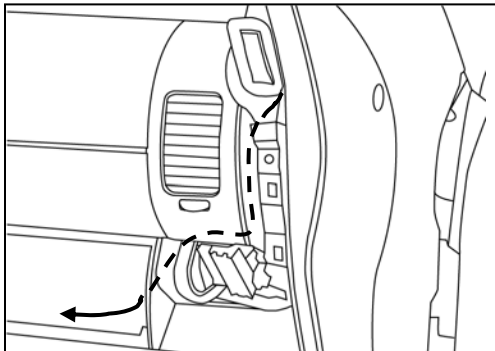
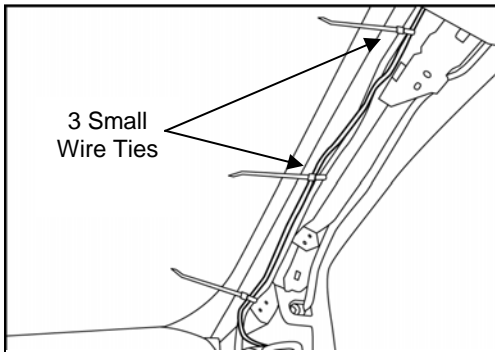
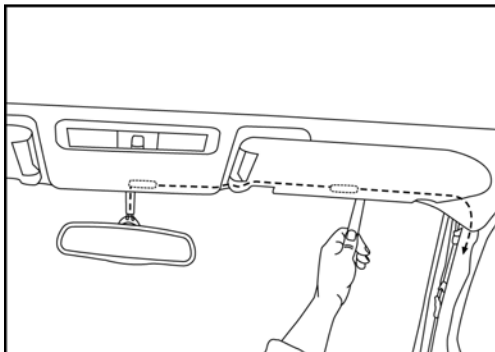
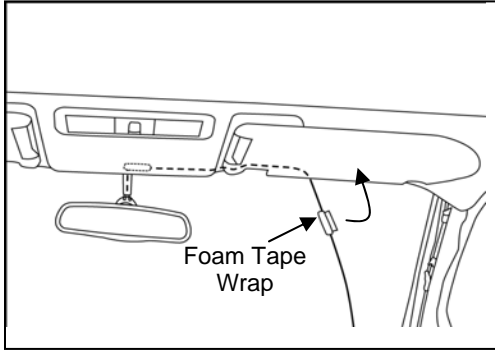
- d) Wrap one piece of foam tape around EC mirror harness and using panel removal tool, tuck between headliner and roof above EC mirror.



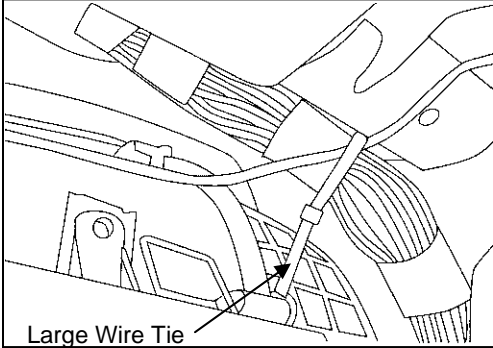
- e) Route the wire harness into the groove of the wire cover and attach to the mirror mount.
f) Slide the forks on top of the wire cover, into the headliner.



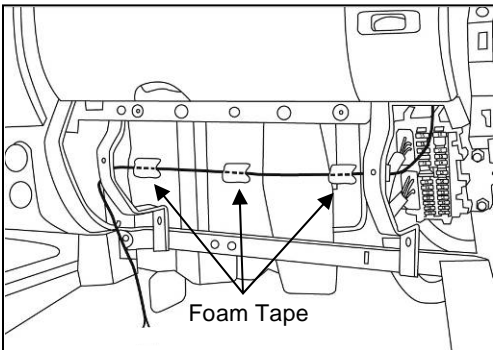
- g) Using panel removal tool, tuck the wire harness between the headliner and the roof and stop just past the visor clip.



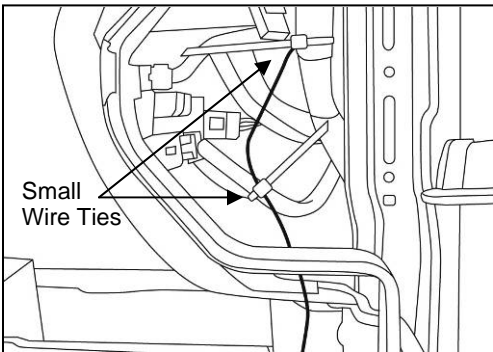
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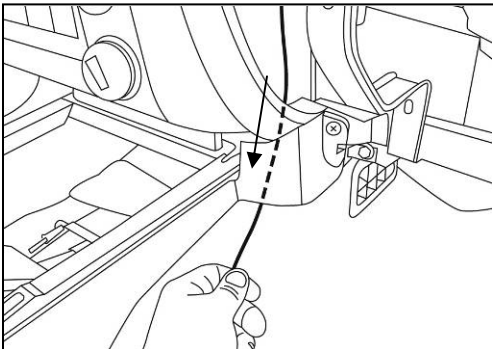
- m) Route EC mirror harness behind vehicle fuse box and secure to large wire bundle with 1 large wire tie.



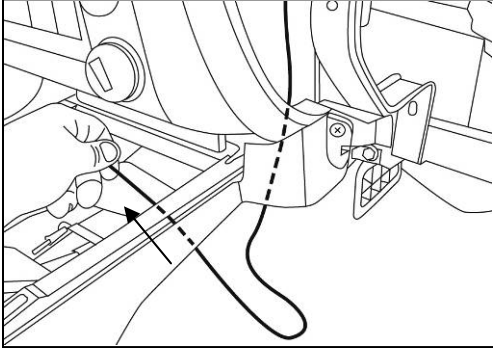
- n) Continue routing harness through glovebox area and secure with 3 pieces of foam tape.



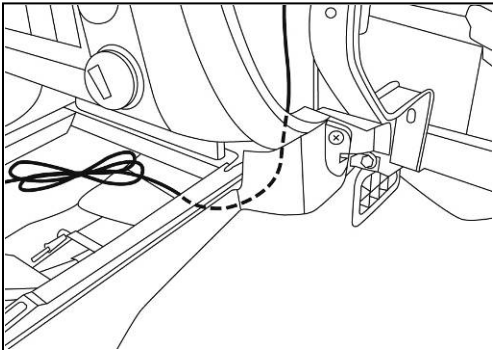
- o) Secure harness to factory harness bundles with 2 small wire ties.



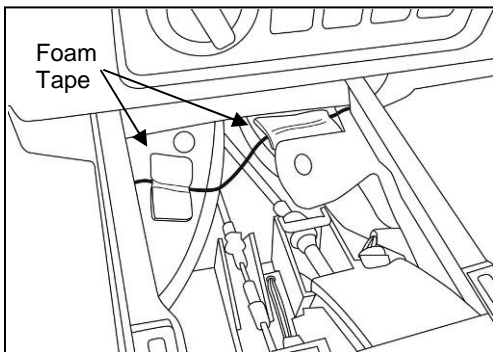
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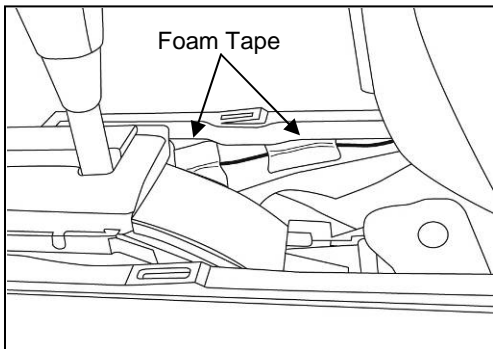
q) Route harness wires into center console area.



r) Pull all excess harness wire into center console area and ensure it is completely hidden behind console trim.

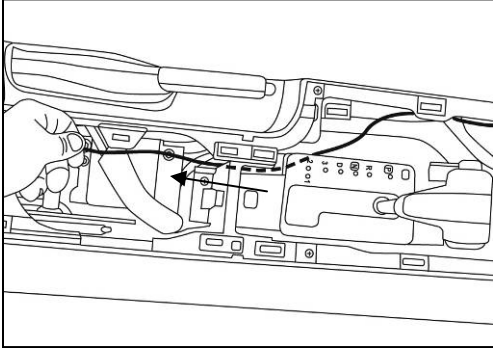


s) Secure harness inside front of center console with 2 pieces of foam tape.

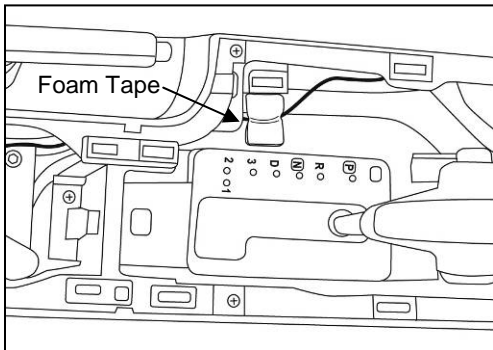


t) Continue routing harness along driver-side inner wall of center console.
u) Secure with 2 pieces of foam tape.

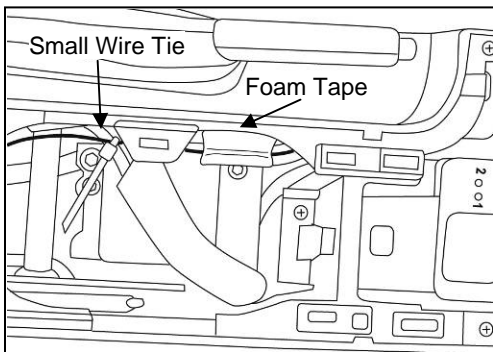
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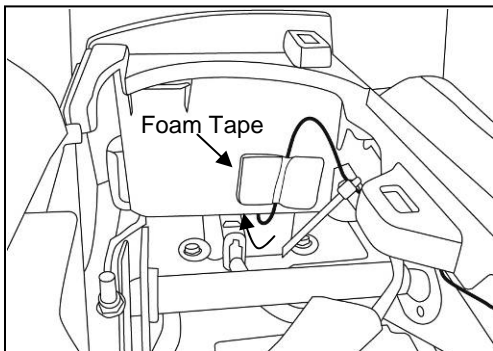
v) Continue routing harness back through center console.



w) Secure harness to plastic support bracket, left of the shifter, with 1 piece of foam tape.

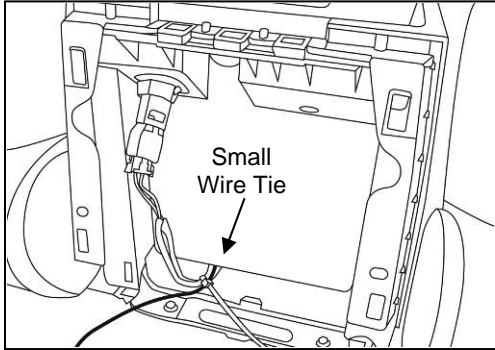


x) Secure harness inside center console (right of parking brake lever) with 1 piece of foam tape and 1 small wire tie.

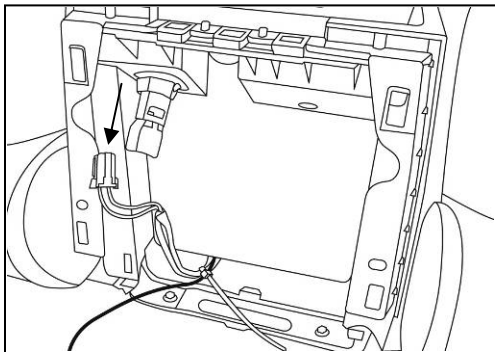


y) Route harness under storage bin at rear of center console and secure with 1 piece of foam tape.

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- z) Continue routing harness under storage bin and out through the back of the center console.
- aa) Secure EC mirror harness to center console power outlet wires with 1 small wire tie.



- bb) Disconnect connector from power outlet.

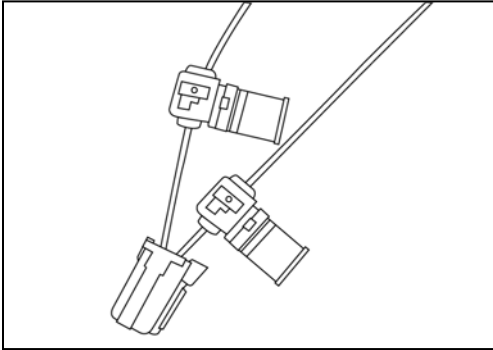
CAUTION

Correct procedures for connecting IDC connectors to OE harness and EC wire harness must be followed to ensure proper function of EC mirror and to prevent damage to vehicle harness.

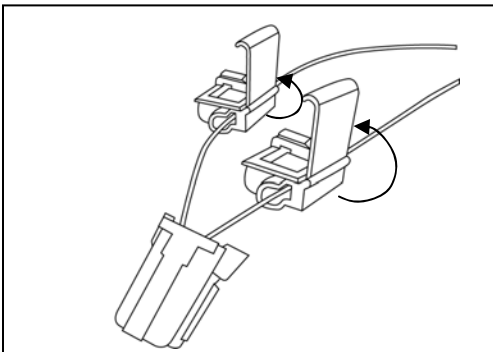
CAUTION

Do not use unspecified tools such as needle-nose pliers or diagonal pliers to depress metal bridge of IDC connector into place. Damage to wires or incorrect engagement of metal bridge may result.

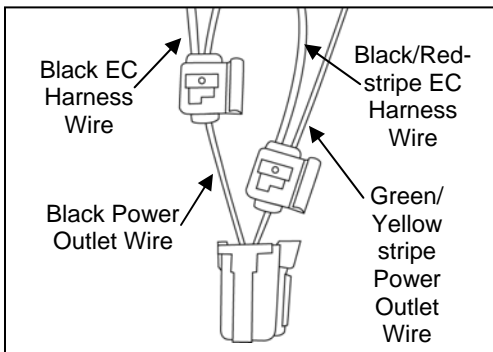
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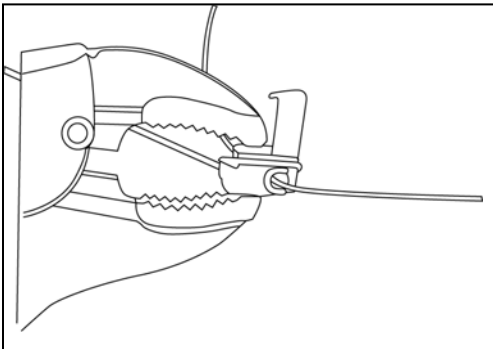
- cc) Attach IDC connectors to both wires of power outlet connector. Space connectors approximately 1/2 inch apart.



- dd) Close IDC connector doors around power outlet connector wires.

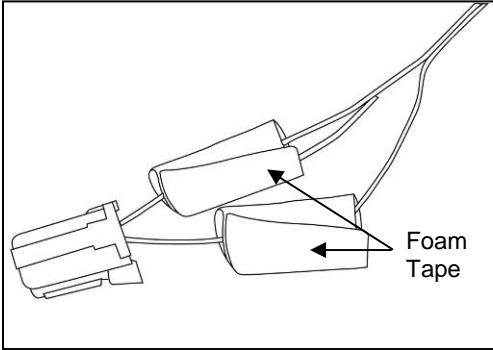


- ee) Insert BLACK EC harness wire into IDC connector on BLACK power outlet wire and BLACK/RED-STRIPE EC harness wire into IDC connector on GREEN/YELLOW-STRIPE power outlet wire.

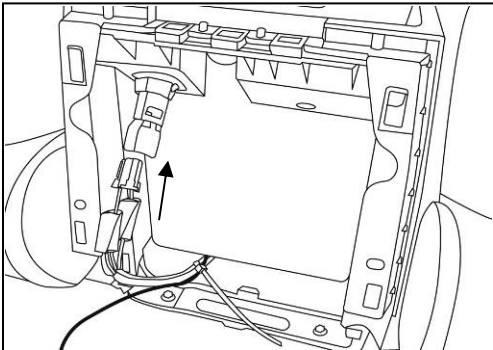


- ff) Using 3M crimping tool No E-9BM or lineman pliers, depress metal bridge of IDC connector into place, ensuring that it is fully engaged.

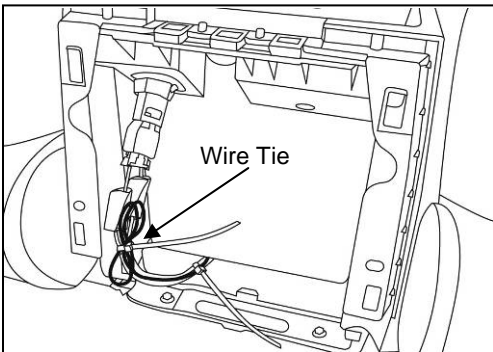
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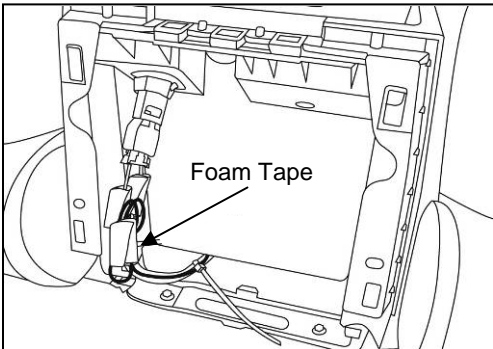
gg) Wrap 2 pieces of foam tape around IDC connectors to prevent rattling.



hh) Plug connector back into outlet.



ii) Bundle all excess EC mirror harness wire and secure to power outlet wires with 1 small wire tie.
jj) Trim excess material off from wire tie.

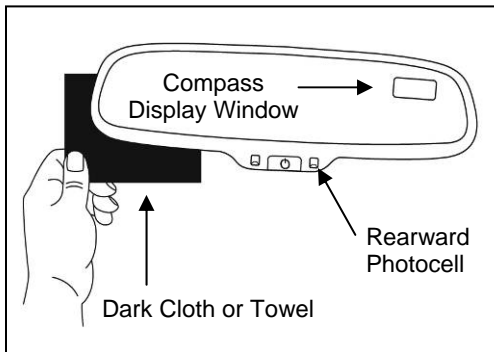


kk) Wrap wire bundle with 1 piece of foam tape to prevent rattling.

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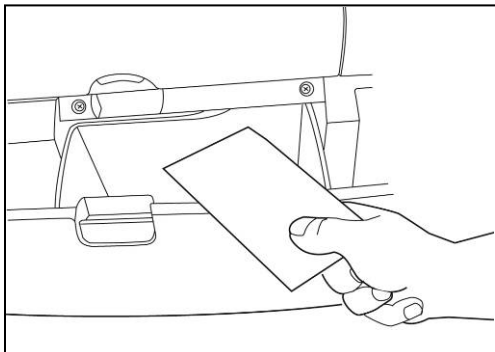
WARNING

DO NOT touch the positive battery terminal with any tool when reconnecting the negative battery cable.



5) Testing

- Reconnect the vehicle's negative battery cable.
- Tighten negative battery terminal nut to 4.1 Nm.
- Turn the ignition switch to ON.
- Ensure vehicle is in a fairly well lit area.
- Check to see that green LED is illuminated. If it is not, press the "⏻" button to turn it on.
- Cover the forward-looking photocell (located on the back of the mirror) with a dark cloth or towel. After a few seconds, the mirror should begin to darken. Timing will vary with ambient light levels and a flashlight may be shined on the rearward photocell if needed, to accelerate effect.
- Remove the cover from the forward-looking photocell and the mirror will begin to clear.
- Push the "⏻" button to ensure compass display shows either a direction such as "NE" or a "C", and that it can be turned ON and OFF.

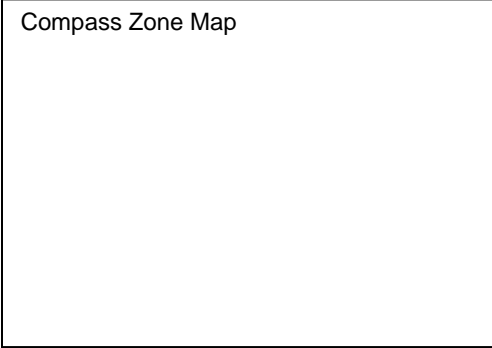


6) Final assembly

- Trim excess material off all wire ties.
- Reinstall in reverse order, all trim pieces removed during installation.
- Place the operation instruction card in the vehicle glovebox.
- Remove fingerprints, smudges, dirt, etc from mirror glass.
- Verify each reinstalled component for proper fit and function.

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Compass Zone Map



- 7) Set compass zone
 - a) With the display turned "ON," push the "⏻" button for 3 seconds, until a number appears in display (numbers correspond to regional compass zones).
 - b) Press and release "⏻" button to scroll through zone numbers.
 - c) Release "⏻" button when correct zone number is displayed. Zone number will disappear and display will return to showing either a directional heading or a "C" after 10 seconds of no switch activity.
- 8) Calibrate compass
 - a) Drive vehicle in circles (360°) at 5 mph or less until compass display window shows a direction.