



GENUINE ACCESSORIES INSTALLATION INSTRUCTIONS

PART NUMBERS:

0000-8C-Z01 Electrochromic Mirror w/ Compass
0000-8C-L01 Compass Installation Kit

APPLICABLE MODELS:

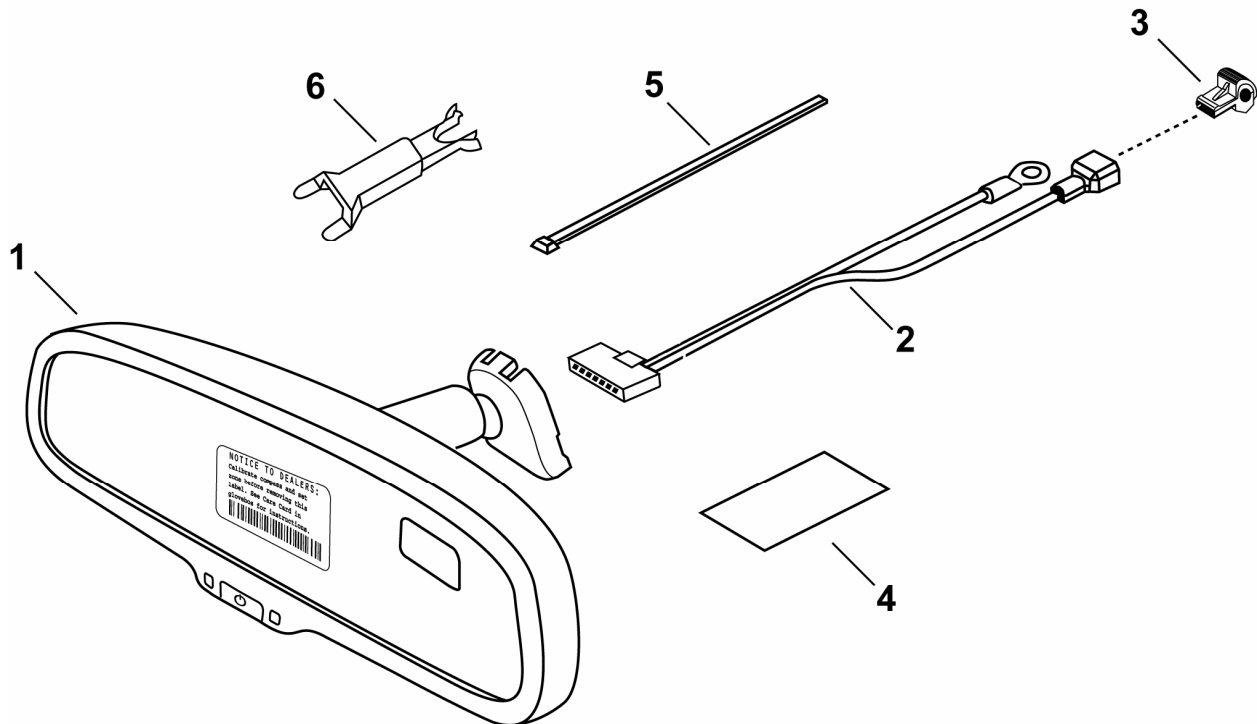
2006 > Mazda5

REQUIRED COMPONENTS:

ITEM	QTY	DESCRIPTION	SERVICE PART NUMBER
1	1	Mirror Assembly with Compass	0000-8C-Z01

INSTALLATION KIT COMPONENTS:

2	1	Harness Assembly – Power and Ground	0000-8C-L26
3	1	Wire Tap	000-8C-H09
4	3	Foam Tape	--
5	1	Tie Wrap (Short)	--
6	1	Wire Cover	000-8C-H11
7	1	Installation Instructions	--
8	1	User Guide	--



TOOLS REQUIRED:

Clean Rag	Fish Wire	#T20 Torx	Wire Cutters
Fiberstick	Electrical Tape	Ratchet	
Pliers	4mm Flat Screwdriver	10mm Socket	

INSTALLATION PRECAUTIONS / NOTES:

- Do not use excessive force when removing OE mirror from windshield.
- Do not push fish wire too far into dash to avoid damage to existing components.
- Do not place wire harness against objects with sharp edges that may cause electrical shorting.
- On vehicles equipped with “A” pillar air bag, verify mirror harness path remains clear of air bag. Harness should follow, and be tied to existing OEM wiring with tie wraps.
- Verify that power harness path will not interfere with brake, clutch, emergency brake or air bag operation. Use tie wraps to hold the wiring away from critical locations.

Perform the following pre-installation steps:

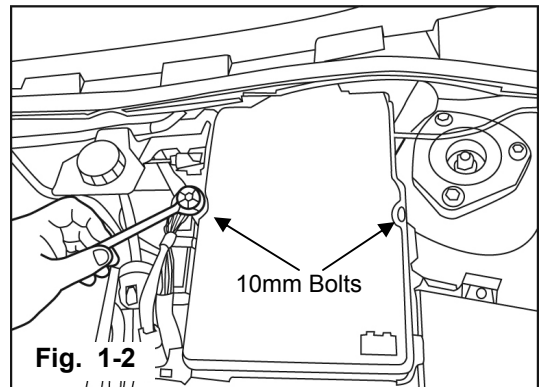
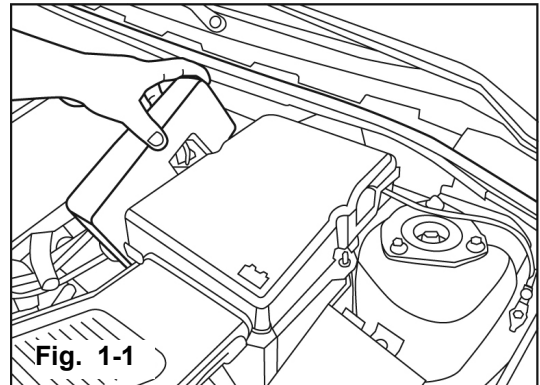
- 1) Place kit components on a clean, padded surface and inspect for damage or defects.
- 2) Record customer's programmed radio stations (if applicable).

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Preparation

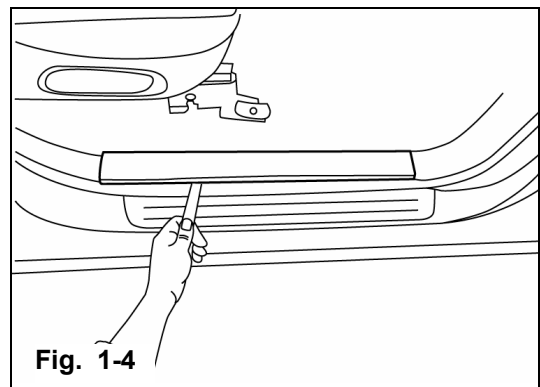
1) Disconnect negative battery terminal.

- a) Remove relay cover by grasping rear of cover and pulling upwards. Disengage the locking tab at the front of cover. (Fig. 1-1)
- b) Remove two (2) 10mm bolts from battery cover. Disengage locking tabs and remove cover. (Fig. 1-2)
- c) Disconnect negative battery terminal.



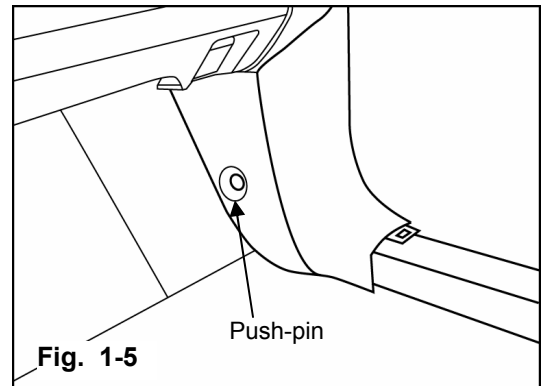
3) Remove passenger-side scuff plate.

- a) Use fiberstick to disengage clips. (Fig. 1-4)

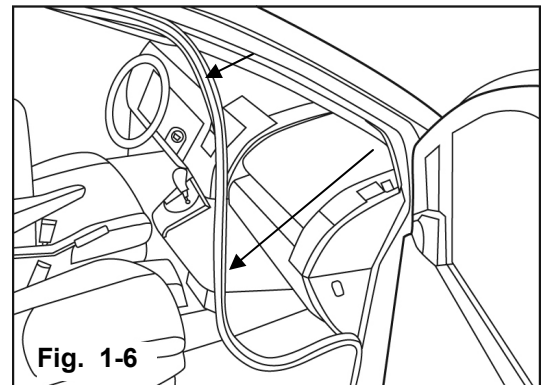


4) Remove passenger-side kick plate.

- a) Use 4mm screwdriver to release center of plastic pushpin.
- b) Grasp kick plate at rear and pull out towards driver-side of vehicle.
(Fig. 1-5)



5) Loosen passenger side door seal past top of A-pillar. (Fig. 1-6)

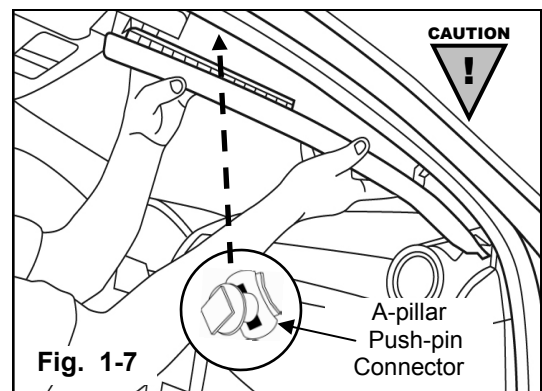


CAUTION

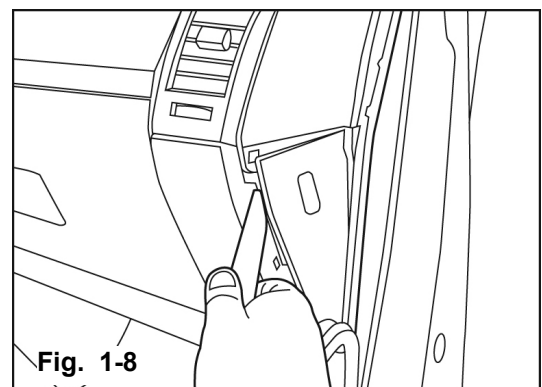
6) Remove A-pillar trim.

Do not use excessive force. A-pillar connector could be damaged.

- a) Pull out top of A-pillar trim towards driver side of vehicle until A-pillar push-pin connector is fully extended. (Fig. 1-7)
- b) Pull A-pillar trim towards the rear of the vehicle to release the base and to slide off from A-pillar push-pin connector. (Fig. 1-7)

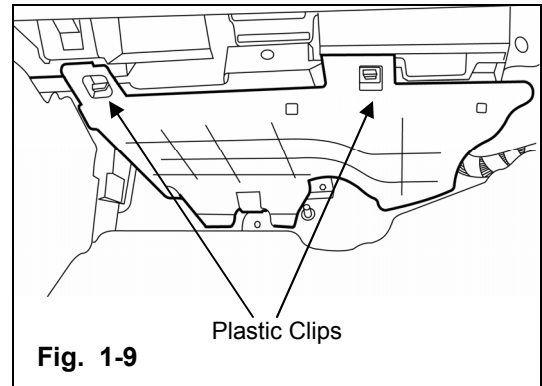


7) Using fiberstick, remove fuse box cover. (Fig. 1-8)



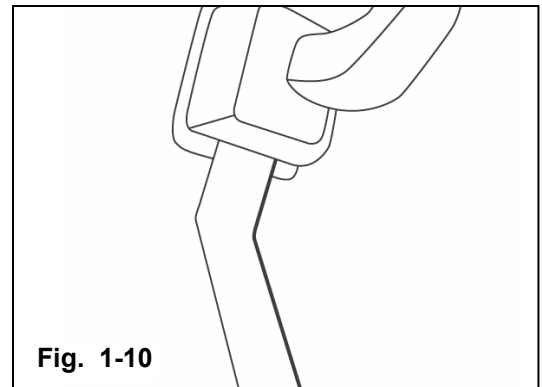
8) Remove passenger-side under-dash cover.

- a) Depress plastic clips at front edge of cover.
- b) Lower front edge of cover and remove.
(Fig. 1-9)



9) Remove OE mirror.

- a) Insert fiberstick between bottom of mirror mount and windshield glass.
- b) Push fiberstick up into mount to disengage locking tab. Pull up while gently wiggling mirror to remove.

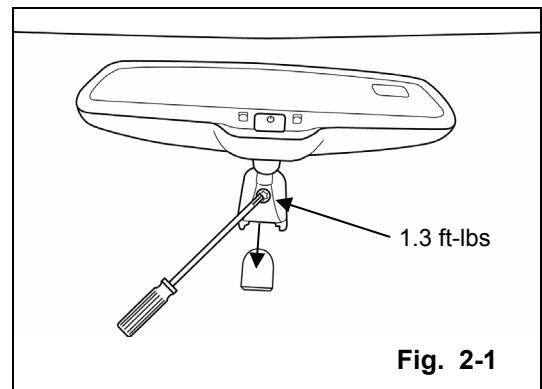


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EC Mirror Installation

1) Attach EC mirror.

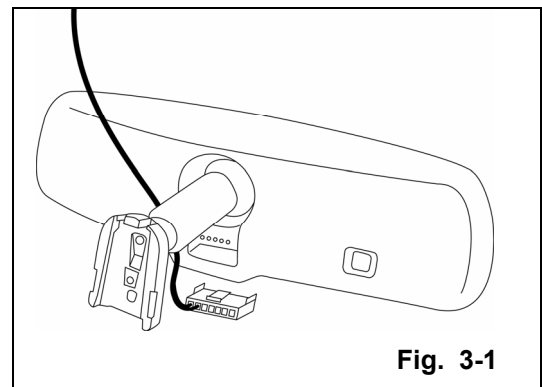
- a) Hold the mirror head and slide the mount downwards as far as possible over the windshield button, until fully seated.
- b) Using a #T20 Torx, tighten the mirror mounting bracket screw to 1.3 ft-lbs (17.8 kg-cm).
(Fig. 2-1)



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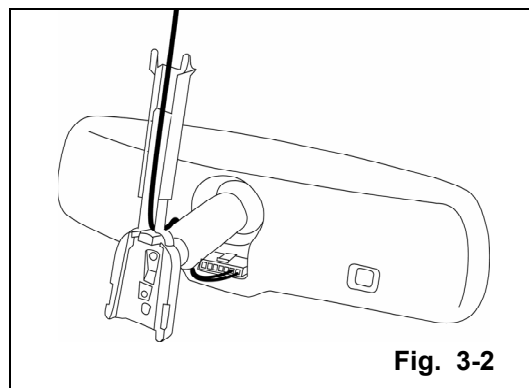
Route EC Mirror Harness to Vehicle Power

- 1. Plug 7-pin connector into back of EC mirror.
(Fig. 3-1)



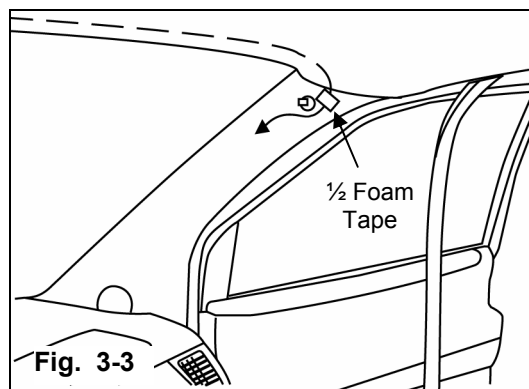
2. Route EC harness from mirror to headliner.

- a) Route power harness into groove of wire cover and attach wire cover to mirror base. (Fig. 3-2)
- b) Slide upper portion of wire cover up to headliner so the "forks" are held by the headliner. (Fig. 3-2)



3. Route EC harness to passenger-side A-pillar.

- a) Route power harness between vehicle headliner and roof to top of passenger-side A-pillar area. (Fig. 3-3)
- b) Tear one (1) piece of foam tape in half.
- c) Secure power harness at top of A-pillar with one-half (1/2) piece of foam tape. (Fig. 3-3)

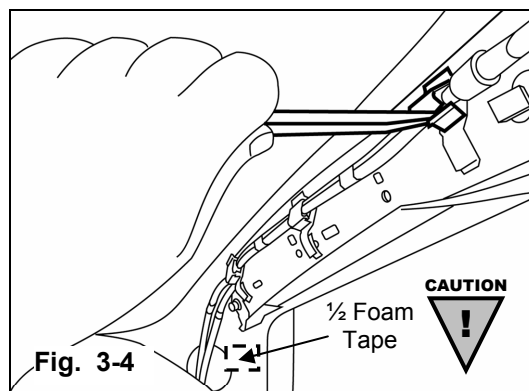


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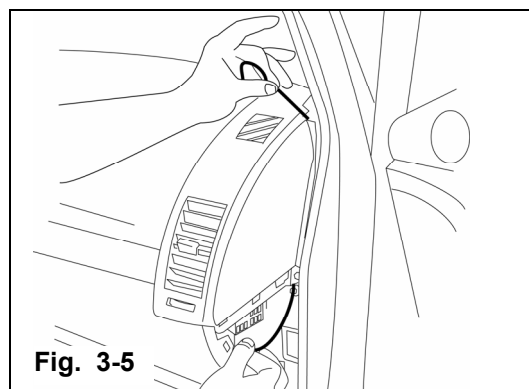
4. Route EC harness down passenger-side A-pillar.

Verify mirror harness path is clear of air bag (if equipped).

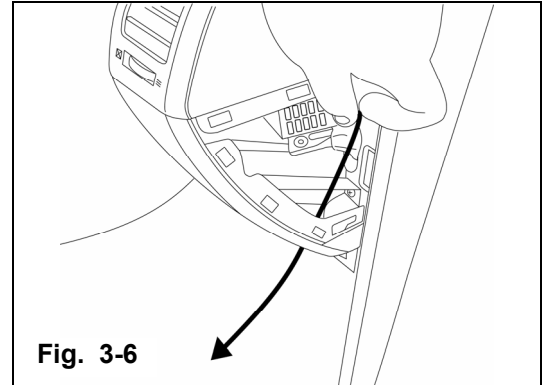
- a) Using fiberstick, disengage plastic clips on A-pillar. (Fig. 3-4)
- b) Route power harness in plastic clips, down to base of A-pillar.
- c) Re-fasten all plastic clips.
- d) Secure power harness at base of A-pillar with one-half (1/2) piece of foam tape. (Fig. 3-4)



- e) Route power harness down through dash and into fuse-box area. (Fig. 3-5)



- f) Route power harness from fuse-box area into passenger-side footwell area. (Fig. 3-6)

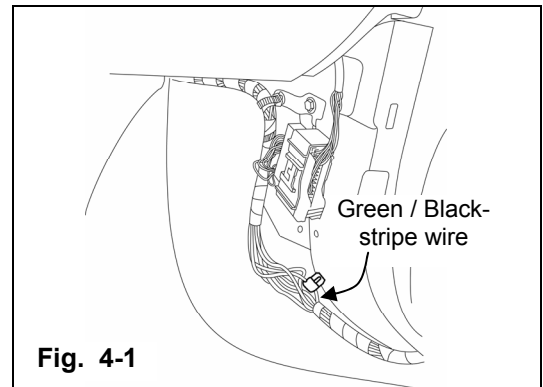


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Connect Harness Power and Ground

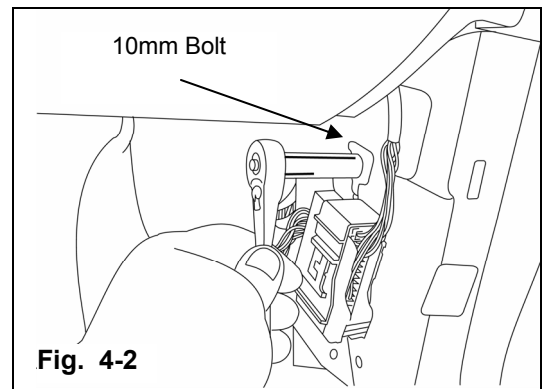
1. Attach wire tap connector to +12V ignition.

- Locate the OEM wire bundle in passenger-side foot-well area. (Fig. 4-1)
- Locate the **Green / Black-stripe wire (+12V)** in bundle.
- Using pliers, secure wire tap to the **Green / Black-stripe wire**. (Fig. 4-1)



2. Connect EC power harness to ground.

- Locate 10mm bolt in passenger-side footwell area as shown. (Fig. 4-2)
- Using 10mm socket, remove bolt. (Fig. 4-2)
- Place ground ring from EC power harness over bolt and re-install bolt.
- Tighten bolt to 80-90 in. lbs.

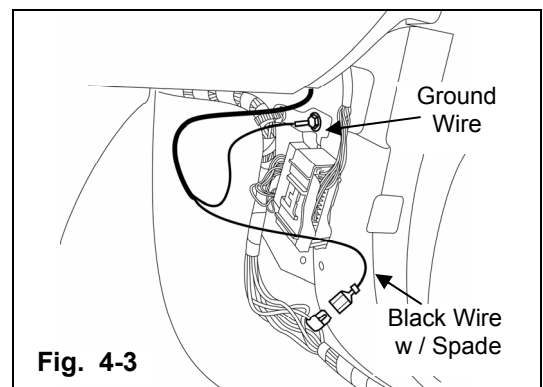


3. Connect EC power harness to +12V ignition.

- Insert male spade terminal of power harness wire into opening of wire tap on the **Green / Black-stripe wire**. (Fig. 4-3)

NOTE

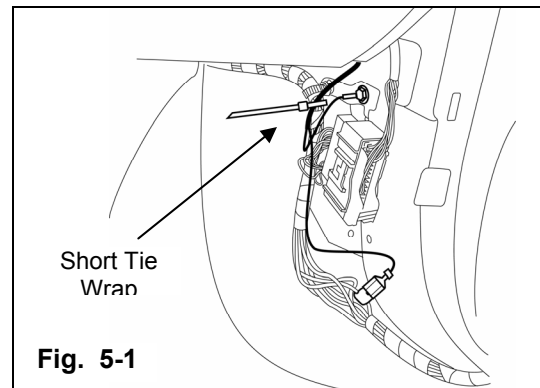
Ensure male spade connector is fully inserted into wire tap.



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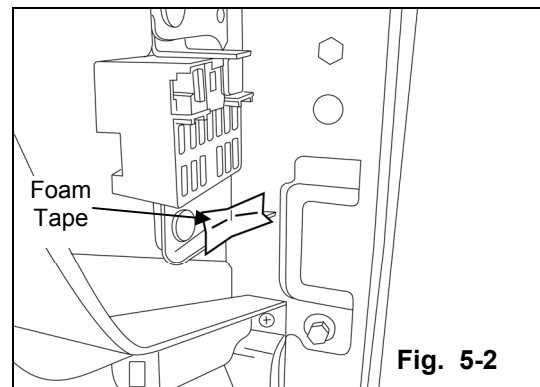
Secure Remaining Harness Wires

1. Secure power harness to OEM wire bundle behind white connector with one (1) small tie wrap. (Fig. 5-1)



2. Bundle excess power harness and secure.


- a) Cover sharp edge of bottom fuse-block mount with one (1) piece of foam tape. (Fig. 5-2)
- b) Pull any excess power harness slack from A-pillar area and foot-well area into fuse-box area.
- c) Bundle excess power harness inside fuse-box area and secure to sheet-metal with one (1) piece of foam tape. (Fig. 5-3)



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Testing

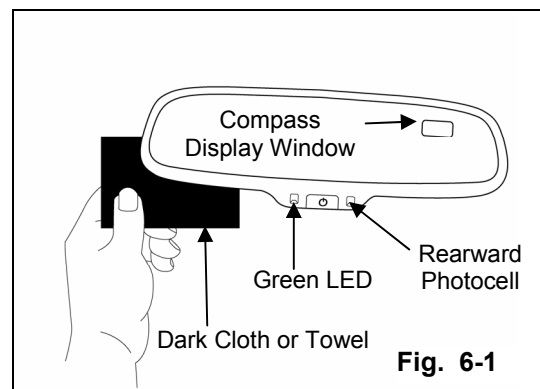
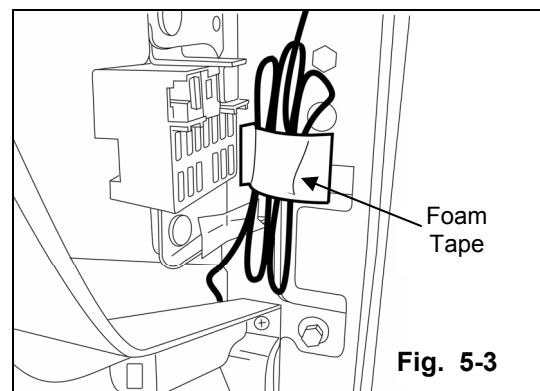
1. Reconnect negative battery cable.
2. Turn the ignition switch ON.
3. With the vehicle in a fairly well-lit area, perform the following:

- a) To make sure the auto-dimming feature is on, verify that the green LED to the left of the center switch is on. If it is not on, push the  switch to turn the green LED on.

- b) Cover the forward looking photocell on the back of mirror with a dark cloth or towel. (Fig. 6-1)

In a few seconds, the mirror will begin to darken.

- c) Remove the cover from the forward looking photo cell and the mirror will begin to clear.
- d) Verify that either a direction, such as NE, or "C" is displayed in the display window. If not, ensure the feature is turned ON by pressing the  button.



NOTE

Time to darken will vary with ambient light level.

4. Testing is now complete.

7

Installation of Removed Components

1. Trim excess off all tie wraps.
2. Reinstall in reverse order, all trim pieces removed during installation.
3. Place User Guide in vehicle glove-box. (Fig. 7-1)
4. Remove fingerprints, smudges, dirt, etc. from mirror.
5. Verify each reinstalled component for proper fit and function.

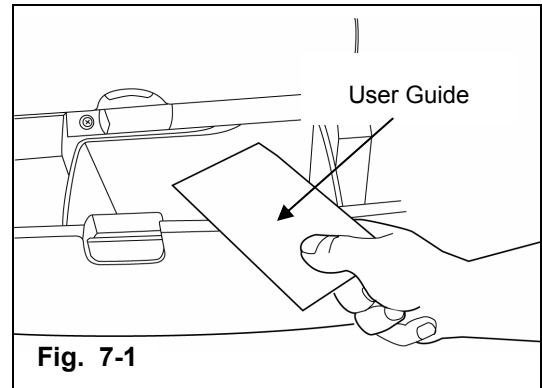


Fig. 7-1

8

Compass Zone Adjustment (Dealer Install ONLY)

1. Adjust compass zone after EC mirror installation.
 - a) The zone setting is factory preset to Zone 8. Refer to Compass Calibration Zone Map (Fig. 8-1) to find correct compass zone setting for your geographical location. Use same map from User Guide.
 - b) To change the zone setting, push and hold the power button until a number appears in the display. Press button repeatedly until desired compass zone number is reached.

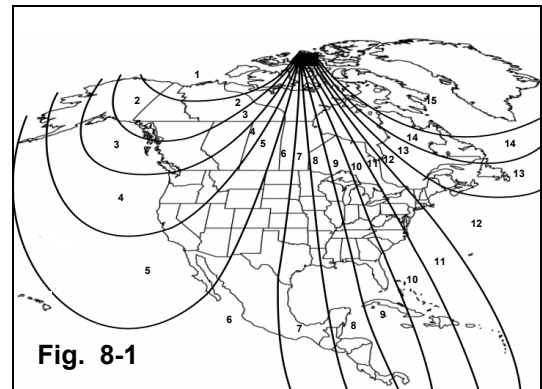


Fig. 8-1

9

Compass Calibration (Dealer Install ONLY)

1. Calibrate compass.
 - a) Drive to an open, level area, away from large metallic objects or structures.
 - b) Hold the power button for approximately 9 seconds until "C" text appears in the display. Release the right button to enter the calibration mode.
 - c) Drive slowly in up to 3 circles until the "C" disappears, and a directional heading is displayed. The compass is now calibrated.