



**GENUINE ACCESSORIES  
INSTALLATION INSTRUCTIONS**

**PART NUMBERS:**

0000-8C-Z06 Electrochromic Mirror w/ Compass  
0000-8C-M01 Compass Installation Kit

**APPLICABLE MODELS:**

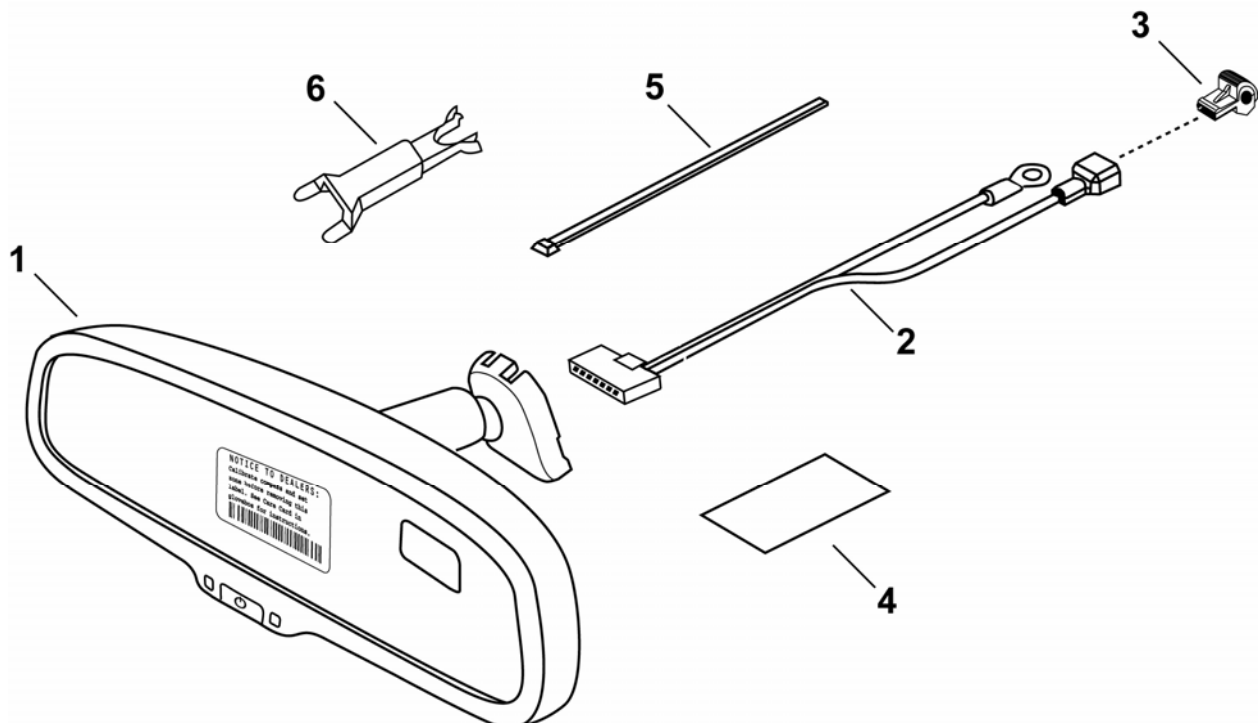
2007 >Mazda CX-7

**REQUIRED COMPONENTS:**

ITEM	QTY	DESCRIPTION	SERVICE PART NUMBER
1	1	Mirror Assembly with Compass	0000-8C-Z06

**INSTALLATION KIT COMPONENTS:**

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



**TOOLS REQUIRED:**

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

## INSTALLATION PRECAUTIONS / NOTES:

- Do not use excessive force when removing OE mirror from windshield.
- 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:

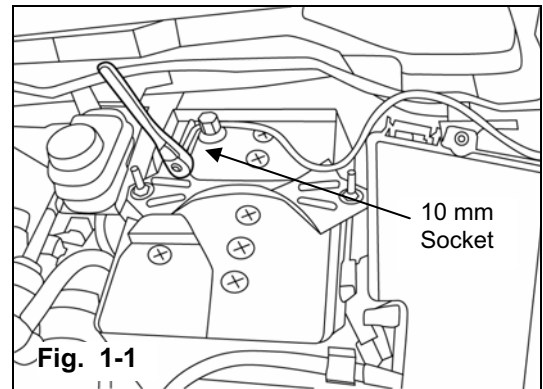
1. Place kit components on a clean, padded surface and inspect for damage or defects.
2. Record customer’s programmed radio stations (if applicable).

### 1

## Preparation

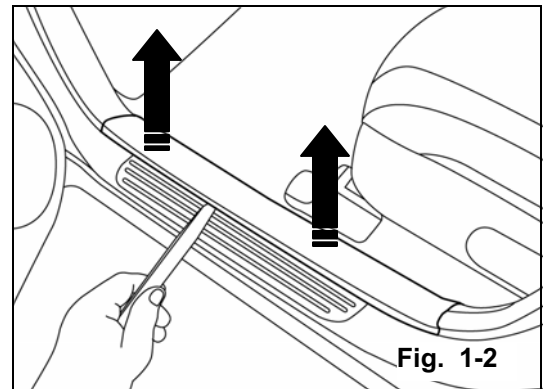
### 1. Disconnect negative battery terminal.

- a) Using 10 mm socket, remove negative battery terminal. (Fig. 1-1)



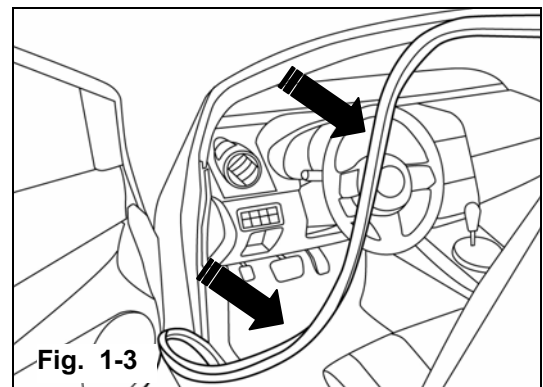
### 2. Remove driver-side scuff plate.

- a) Use fiberstick to disengage clips. (Fig. 1-2)



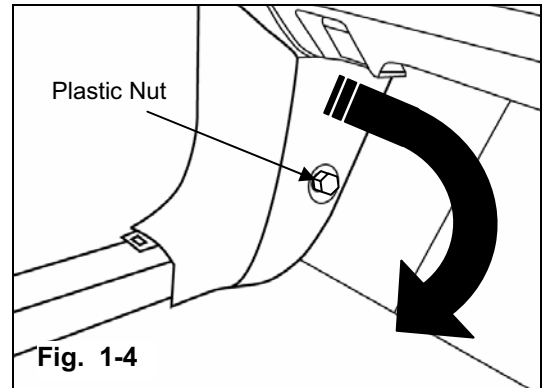
### 3. Remove driver-side door seal.

- a) Pull back past top of A-pillar trim. (Fig. 1-3)



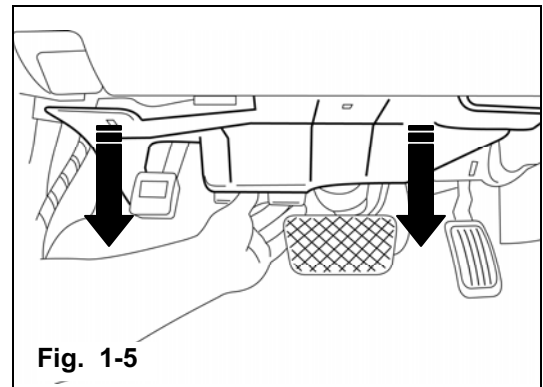
**4. Remove driver-side kick plate.**

- a) Unscrew plastic nut.
- b) Grasp kick plate at rear and pull out towards passenger-side of vehicle. (Fig. 1-4)



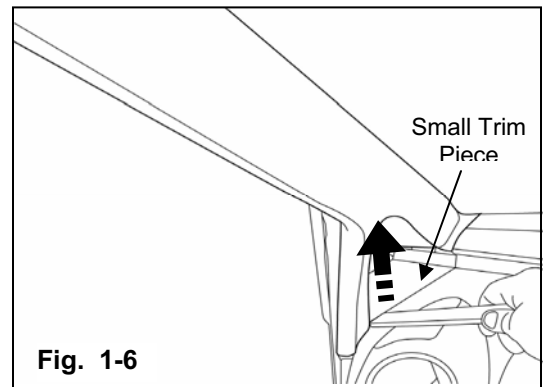
**5. Remove lower dash cover from driver-side footwell area. (Fig. 1-5)**

- a) Grasp rear of cover and pull down to release.



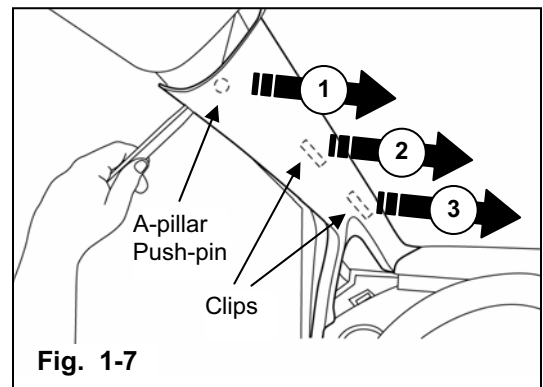
**6. Remove driver-side dash panel beneath A-pillar trim.**

- a) Carefully insert fibersick between small trim piece and dash and pry upwards to disengage small trim piece. (Fig. 1-6)



**7. Remove A-pillar trim.**

- a) Insert fiberstick between A-pillar and A-pillar trim and pry trim piece away from A-pillar in 3 locations to extend A-pillar push-pin and to disengage 2 clips. (Fig. 1-7)



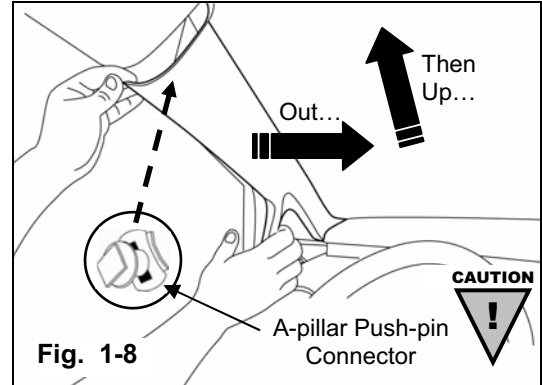
**CAUTION**

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

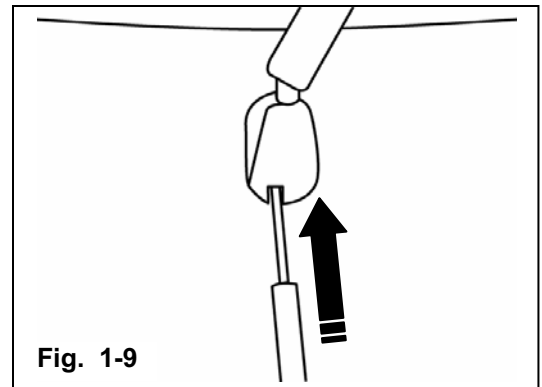
- a) Pull out top of A-pillar trim towards passenger-side of vehicle until A-pillar push-pin connector is fully extended. (Fig. 1-8)
- b) Grasp A-pillar trim with both hands and pull out and up as shown, to slide off from A-pillar push-pin connector. (Fig. 1-8)
- c) Rotate the extended portion of the A-pillar push-pin connector, 45 degrees and remove pin from A-pillar.
- d) Reinstall push-pin in A-pillar trim and rotate back into proper position to secure.

**NOTE**

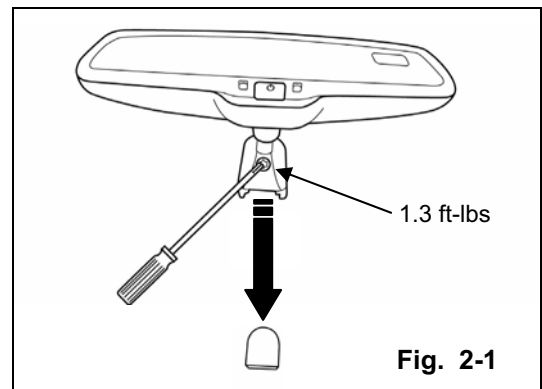
**Reinstalling pin into A-pillar trim will ease re-installation of trim.**

**8. Remove OE mirror.**

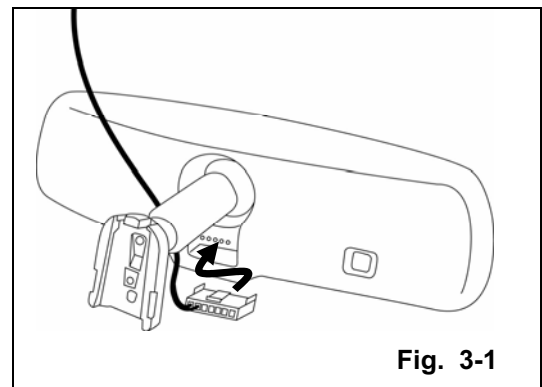
- a) Insert 4mm screwdriver into notch at bottom of mirror mount and slide upward between windshield mounting button and mirror mount. (Fig. 1-9)
- b) Grasp mirror head and gently wiggle it while pulling upwards to slide mirror off from windshield button.

**2****EC Mirror Installation****1. Attach EC mirror.**

- a) Hold the mirror head and slide the mount downwards as far as possible over the windshield mounting 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)

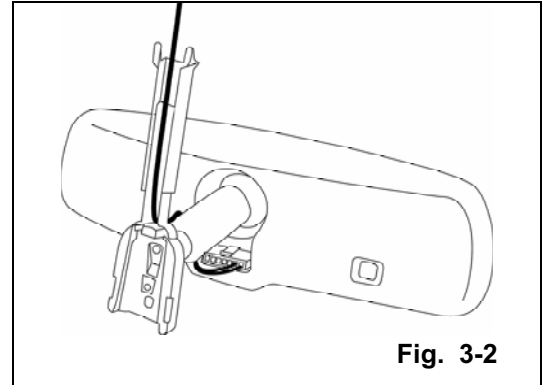
**3****Route EC Mirror Harness to Vehicle Power**

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



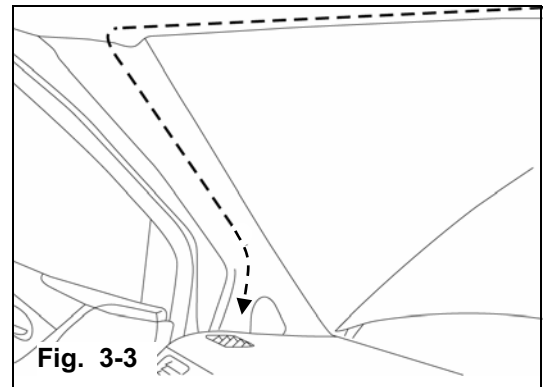
**2. Route EC harness from mirror to headliner.**

- 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 driver-side A-pillar.**

- a) Route power harness between vehicle headliner and roof to top of driver-side A-pillar area. (Fig. 3-3)



**4. Route EC harness down driver-side A-pillar.**

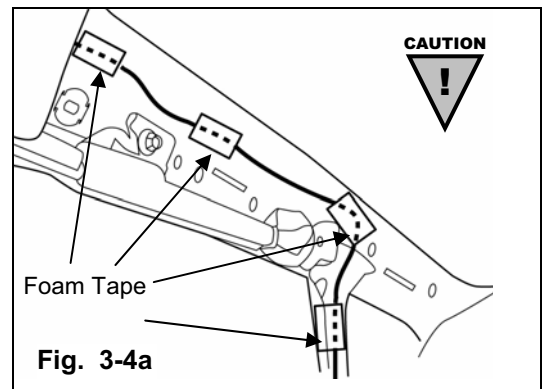
**FOR VEHICLES WITHOUT PLASTIC TUBE AND OEM HARNESS IN A-PILLAR, REFER TO Fig. 3-4a.**

**IF PLASTIC TUBE AND OEM HARNESS ARE PRESENT, SKIP TO NEXT STEP.** (Fig. 3-4b)

- a) Route harness down A-pillar and secure with 4 pieces of foam tape as shown. (Fig. 3-4a)

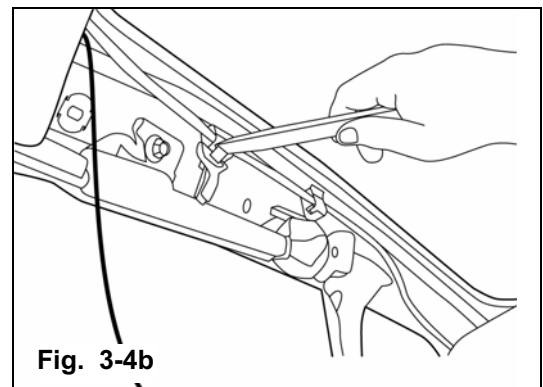


**Verify mirror harness path is clear of air bag (if equipped).**



**Verify foam tape doesn't interfere with fastener openings.**

- a) Using fiberstick, open clips securing plastic tube in A-pillar. (Fig. 3-4b)



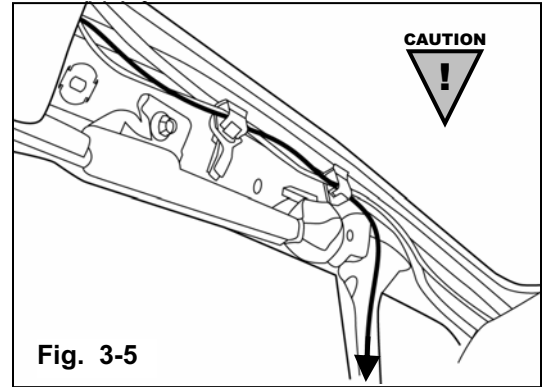
- b) Route power harness along plastic tube in driver-side A-pillar. (Fig. 3-5)

**CAUTION**



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

- c) Refasten clips around plastic tube and EC harness.
- d) Route harness down A-pillar base as shown. (Fig. 3-5)



**Fig. 3-5**

**CAUTION**



**5. Secure EC mirror harness to A-pillar.**

**Verify mirror harness doesn't interfere with fastener openings.**

- a) Secure harness to OEM wire bundle with one tie wrap as shown. (Fig. 3-6)

**CAUTION**



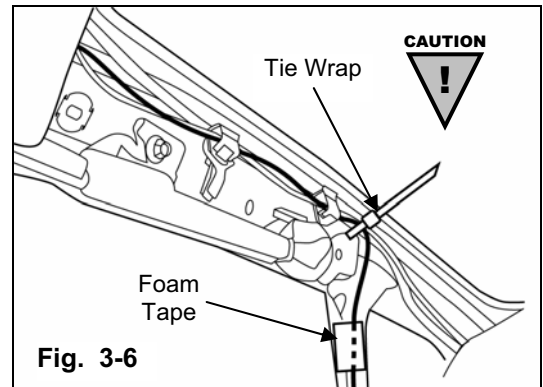
**Do not secure harness to plastic drain tube.**

- b) Cut excess material off from tie wrap.
- c) Apply one piece of foam tape at the base of A-pillar as shown to secure harness. (Fig. 3-6)

**CAUTION**



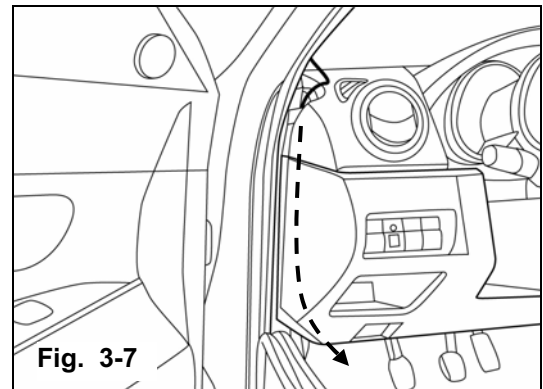
**Verify foam tape doesn't interfere with fastener openings.**



**Fig. 3-6**

**6. Route power harness to driver-side kick-plate area.**

- a) Route power harness through driver-side outer dash panel and into kick-plate area. (Fig. 3-7)



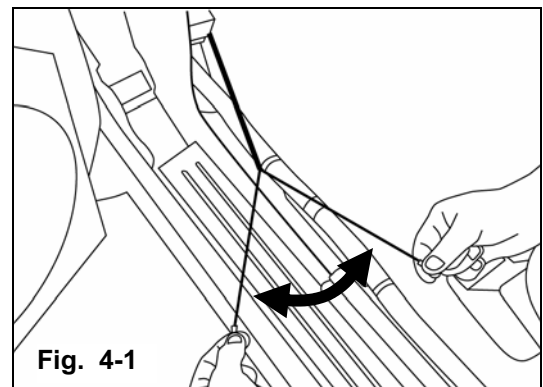
**Fig. 3-7**

**4**

**Connect Harness Power and Ground**

**1. Separate EC harness power and ground wires.**

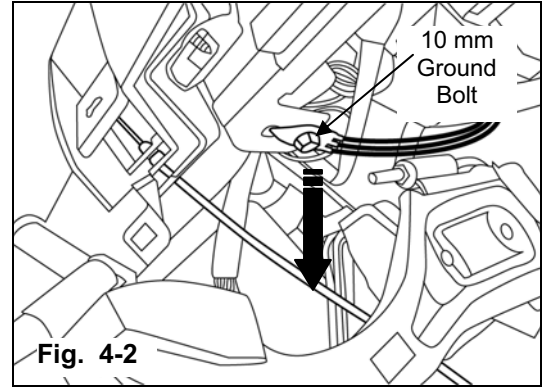
- a) Pull power and ground wires apart (approx. 16 inches). (Fig. 4-1)



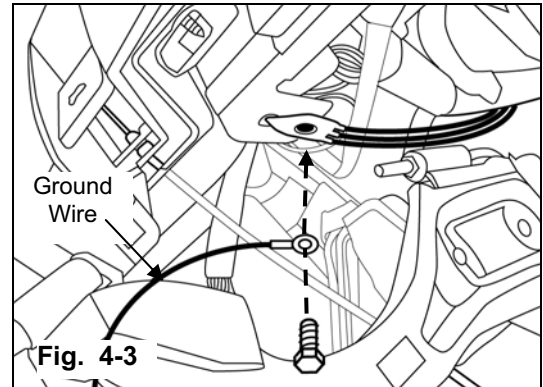
**Fig. 4-1**

**2. Connect EC power harness to ground.**

- a) Locate 10mm ground bolt under driver-side dash and to the right of the hood release latch. (Fig. 4-2)
- b) Using 10mm socket, remove bolt.

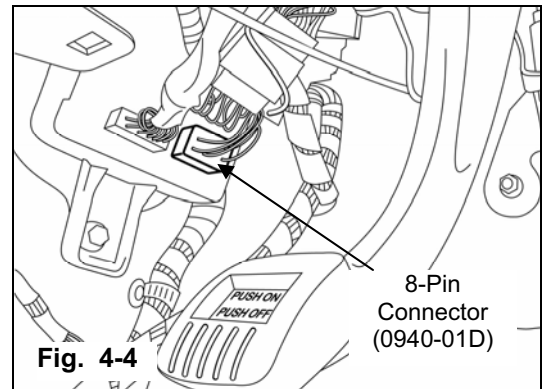


- c) Place ground ring from EC power harness, over bolt and re-install bolt. (Fig. 4-3)
- d) Tighten bolt to 80-90 in. lbs.

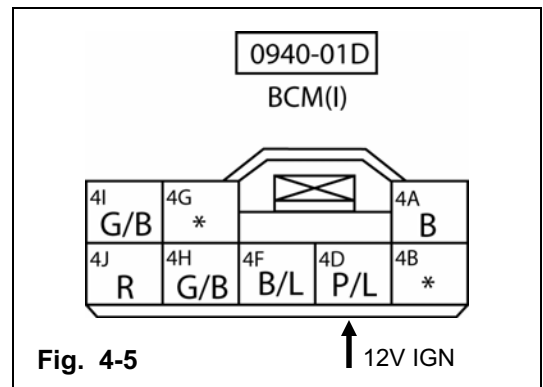


**3. Attach wire tap connector to +12V ignition.**

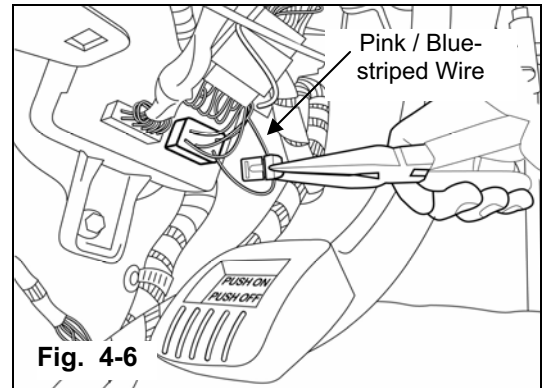
- a) Locate the 8-pin connector (0940-01D) in junction block in the driver-side kick plate area. (Fig. 4-4)



- b) Locate the **Pink / Blue-striped wire** in pin #4D, of the 8-pin connector. (Fig. 4-5)



- c) Attach T-tap connector to **Pink / Blue-striped wire** in **pin #4D**, of the 8-pin connector. (Fig. 4-6)

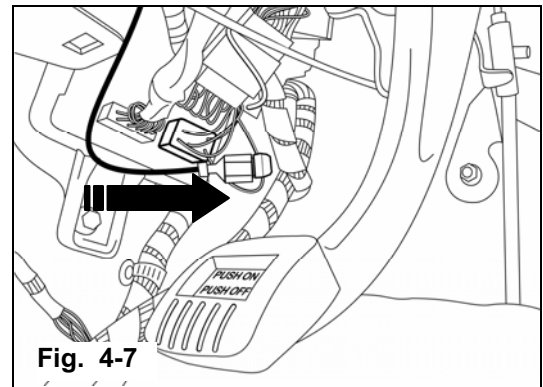


**4. Connect EC power harness to +12V ignition.**

- a) Insert male spade terminal of power harness wire into opening of wire tap on the **Pink / Blue-striped wire**. (Fig. 4-7)

**NOTE**

**Ensure male spade connector is fully inserted into wire tap.**

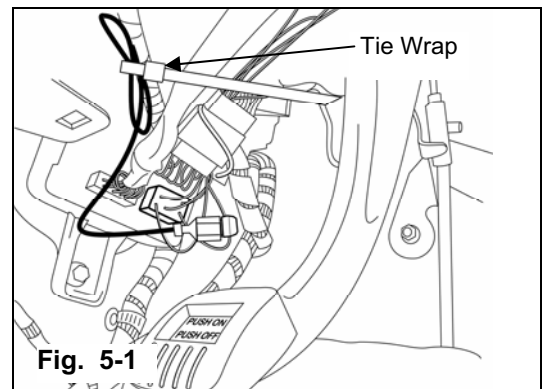


**5**

**Secure Remaining Harness Wires**


**1. Bundle excess power harness and secure.**

- a) Bundle any excess power harness wires.  
b) Secure bundled harness wires to factory wire bundle with one (1) tie wrap. (Fig. 5-1)



## 6


### 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  button 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.

#### NOTE

 Time to darken will vary with ambient light level.

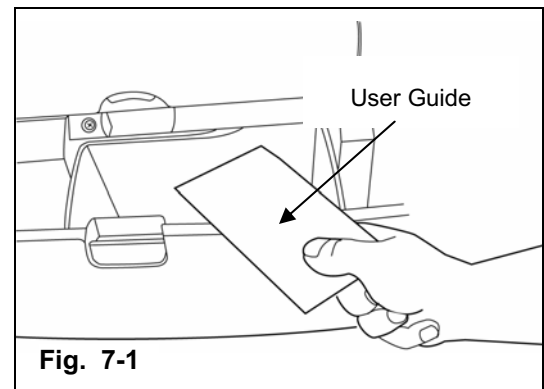
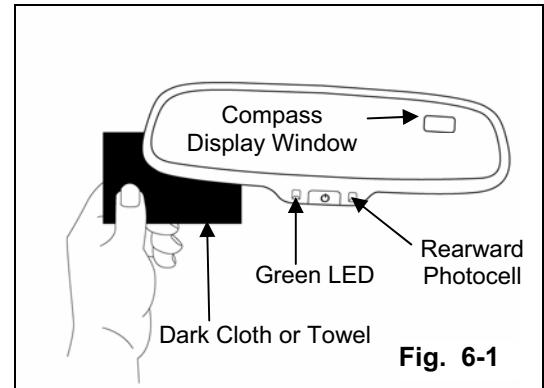
- c) Remove the cover from the forward looking photo cell and the mirror will begin to clear.
- d) Verify that either a direction, such as NE, or "C" is displayed in the display window. If not, ensure the feature is turned ON by pressing the  button.

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.



## 8

### Compass Zone Adjustment (Dealer Install ONLY)

#### 1. Calibrate compass.

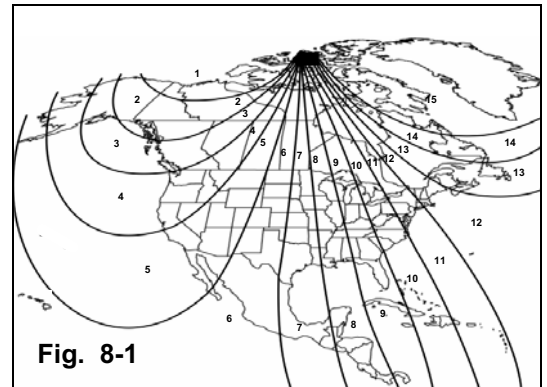
- a) Drive to an open, level area, away from large metallic objects or structures.
- b) Hold the power button for approximately 9 seconds until "C" text appears in the display. Release the right button to enter the calibration mode.
- c) Drive slowly in up to 3 circles until the "C" disappears, and a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

## 9

### Compass Calibration (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.

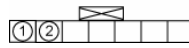


## BASIC INSTALLATION TROUBLE-SHOOTING

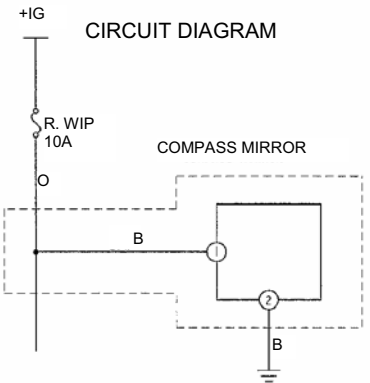
Verify the following:

- Switched harness wire (pin 6) is receiving 12V with ignition ON.
- Ground wire is securely attached.
- Harness is fully inserted into mirror.
- Harness is not pinched, cut or damaged.

### CONNECTOR PIN-OUT



PIN	FUNCTION	NOTE
1	+12VDC SWITCHED	IGNITION
2	GROUND	
3		
4		
5		
6		
7		



**CAUTION**



**When the battery is disconnected, the DSC will stop operating.**

(The DSC OFF indicator will flash at this time, and the TCS/DSC operation indicator will illuminate.)

Carry out the following procedure to reactivate DSC:

1. Turn the ignition switch to "OFF" and then turn it back to "ON".
2. Turn the steering wheel clockwise as far as it will go, and then turn it back counterclockwise as far as it will go.
3. Check that the TCS/DSC operation indicator is turned off.
4. Turn the ignition switch to "OFF" and then turn it back to "ON".
5. Check that the TCS/DSC operation indicator is turned off. If the TCS/DSC operation indicator is still illuminated or the DSC indicator is not turned off when the ignition switch is turned back to "ON", contact your Mazda dealer.

**CAUTION**



**If the battery is disconnected, the power windows will no longer fully open or fully close automatically.**

Carry out the following operation at driver seat first and passenger seat to restore normal operation:

1. Turn the ignition key to the "ON" position.
2. Press the power window switch to fully open the power windows.
3. Lift up the power window switch to fully close the power windows, and keep it pulled up for approximately 2 seconds.
4. Position the engine switch at OFF, and then at ON again. When the function doesn't work after these procedures, please contact your Mazda dealer.