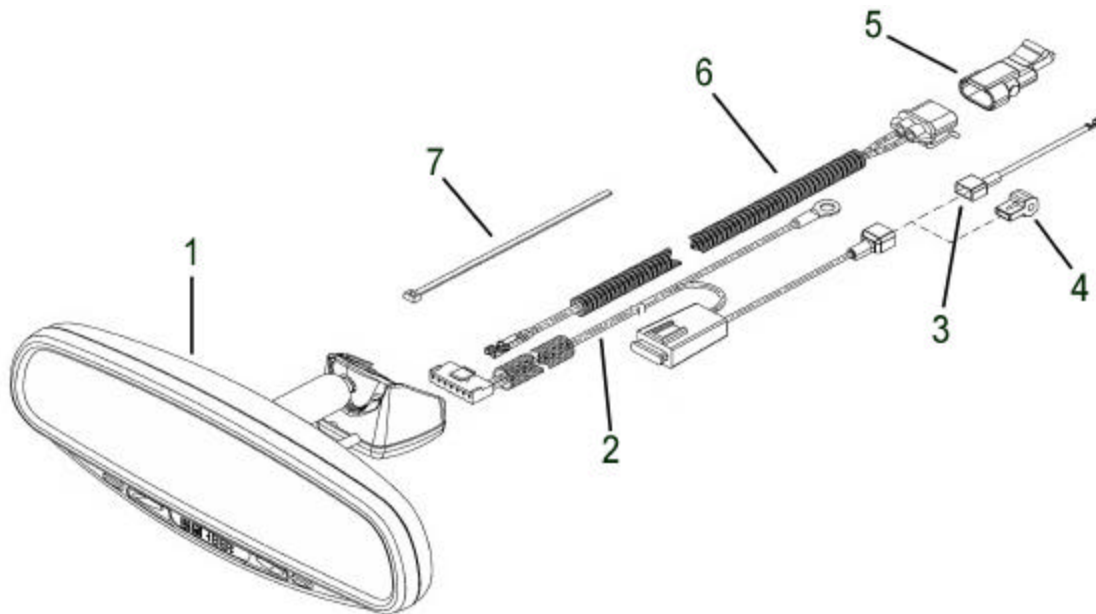


## GENUINE ACCESSORIES INSTALLATION INSTRUCTIONS

<b>PART NUMBERS:</b> 0000-8C-A06-A 0000-8C-A07-C	<b>FEATURES:</b> Electrochromic Mirror Kit w/Compass Electrochromic Mirror Kit w/Compass and Temperature	<b>APPLICABLE MODELS:</b> 2000>626, Miata, Millenia Protégé, Protégé5, MPV
--	--	--

### KIT CONTENTS:

ITEM	QTY A06	QTY A07	DESCRIPTION	PART NUMBER
1	1		Mirror Assembly with Compass	0000-8C-A13-A
		1	Mirror Assembly, Compass and Temperature	0000-8C-A14-A
2	1	1	Harness Assembly – Power	0000-8C-B11
3	1	1	Adapter Wire - Power	Supplied with Item 2
4	0	1	Wire Tap - Power (Miata Only)	---
5	0	1	Temperature Sensor	0000-8C-B12
6	0	1	Harness Assy – Temperature Sensor	0000-8C-B10
7	5	9	Tie Wrap	---
8	1	1	Installation Instructions	---
9	1	1	User Guide	---



### TOOLS REQUIRED:

Clean Rag	4mm Flat Screwdriver	Utility Knife	Rubber Mallet
Flashlight	¼" Flat Screwdriver	Fish Wire	#T40 Torx (Miata only)
10mm Socket Wrench	No. 2 Phillips Screwdriver	Electrical Tape	

## INSTALLATION PRECAUTIONS / NOTES:

- For Kits 0000-8C-A06 (compass display only) skip all steps pertaining to installation of temperature sensor and sensor harness.
  - Do not use excessive force when removing OE mirror from windshield. The window button may separate from windshield or the windshield could break.
  - Do not handle mirror by the plastic compass pod below the mirror mount.
  - Do not push fish wire too far into dash to avoid damage to existing components.
  - Do not place wire harness against objects with sharp edge (may cause electrical short).
  - Verify that power harness path will not interfere with brake, clutch or emergency brake operation. Use Tie Wraps to hold the wiring away from critical locations.
- 

### 1 Preparation

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.
- 3) Disconnect negative battery terminal.
- 4) Remove following components from driver's side of vehicle:

#### **626 Application:**

- a) Remove front kick panel.
- b) Pull body side welt away; IP and "A" pillar area only.
- c) Remove "A" pillar garnish.
- d) Remove sun visor screws and sun visor clip hook.

#### **Miata Application:**

- a) Remove Driver's side sunvisor retained by (2) #2 Phillips Screws.
- b) Remove Driver's side roof latch bracket retained by (2) # 40 Torx bolts.
- c) Pull off driver's side end (1 snap) of windshield header cover trim.
- d) Remove "A" pillar side garnish. Pull away top (2) clips then pull up to remove.
- e) Remove lower dash cover.

#### **Millenia Application:**

- a) Pull rubber body side welt away at Kick panel and "A" pillar.
- b) Pull up front snap of door sill cover to release tab on kick panel.
- c) Remove kick panel retained by two push pins.
- d) Remove "A" pillar side garnish.

#### **Protégé Application:**

- a) Remove door sill cover.
- b) Pull rubber body side welt away at Kick panel and "A" pillar.
- c) Remove kick panel retained by one push pin.
- d) Remove "A" pillar side garnish.

#### **MPV Application:**

- a) Remove glove compartment.
  - Grasp open Glove compartment door.
  - Pull up and out, bottom left hinge point, until hinge releases.
  - Pull glove box to left until other hinge pin is free. Then remove glove box.
- b) Remove lower trim panel below steering wheel. Release top clips first, then bottom.
- c) Pull off rubber door seal at "A" pillar.
- d) Remove "A" pillar side garnish.

## 2 Removal of OE Rearview Mirror

Remove OE rearview mirror from windshield:

- 1) Insert the end of 4mm flat screwdriver into the opening at the bottom of the mirror mount at the windshield.
- 2) Slide screwdriver into the center of the mirror mount until resistance is felt. Apply a small amount of additional upward force to lift away a locking spring in the mount.
- 3) While still applying upward pressure with the screwdriver, grasp the mirror bracket and lift mirror up toward the headliner and off the mirror's mounting button.

NOTE: If mirror does not release, tap mirror base gently upward with rubber mallet.

## 3 EC Mirror Installation

Install EC mirror on windshield:

- 1) Holding the mirror assembly by the bracket tube and mirror head, slide the mirror bracket down over the mirror button on the windshield until mirror locks into place. Do not use excessive force.

## 4 Temperature Sensor Harness Installation

NOTE: For mirrors without temperature display option, skip to section 5 on page 7.

- 1) Mount temperature sensor:  
**626 Application:** Mounting Temperature sensor
  - a) Locate metal brace that runs horizontally between the front grill and radiator under the hood latch.
  - b) Slide the spring clip attached to the Temperature Sensor (Item 5), over the edge of the brace with the wires hanging down. Locate the sensor on the driver's side of the brace. (Fig. 4.1)

**Miata Application:** Mounting Temperature sensor

- a) Locate black plastic vertical brace in opening under the front bumper, in front to the radiator. (Fig. 4.2)
- b) Slide the spring clip attached to the Temperature Sensor (Item 5), over the edge of the brace with the wires toward the rear. Locate the sensor on the driver's side of the brace. (Fig. 4.3)

**Protégé Application:** Mounting Temperature sensor

- a) Drop sensor end of Temperature Harness (Item 6), between radiator and driver's side headlight.
- b) Route Temperature Sensor Harness, through oval opening in sheet metal supporting radiator. Opening is 13" below top of radiator.
- c) Locate open edge of vertical sheet metal directly in front and above the driver's side tow hook eye. There are two ¼" holes in the sheet metal at this location. (Fig. 4.4)

Fig. 4.1 - 626 Sensor Location

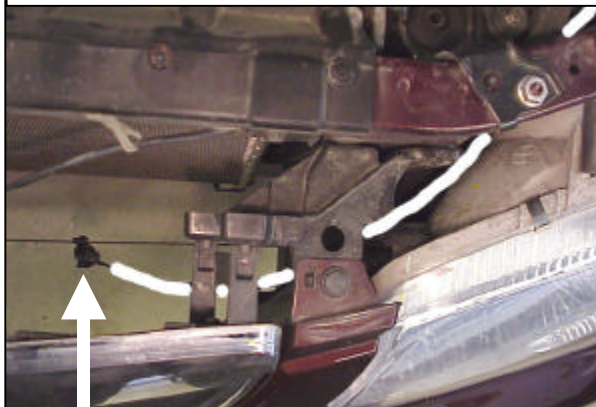
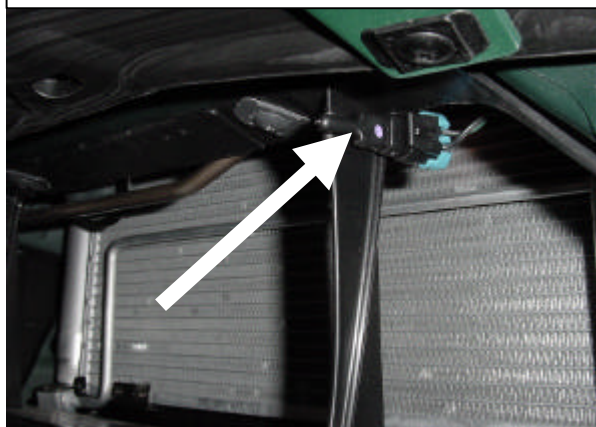


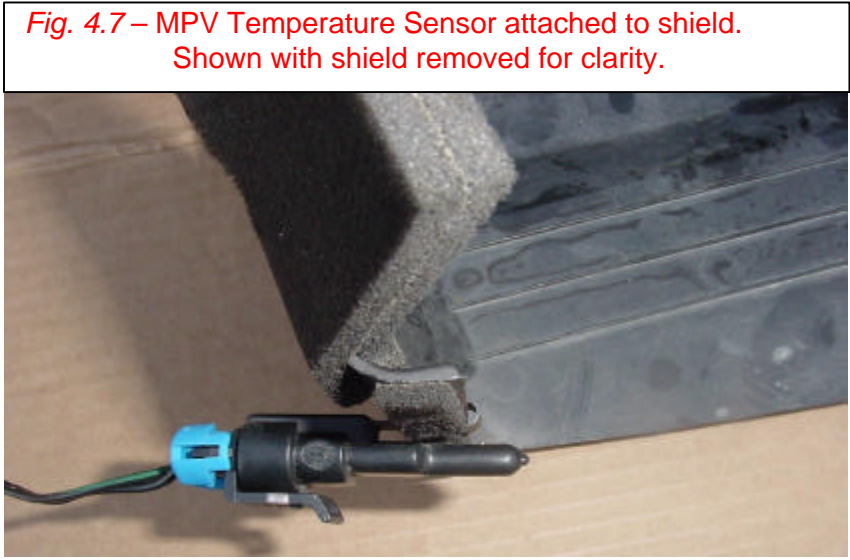
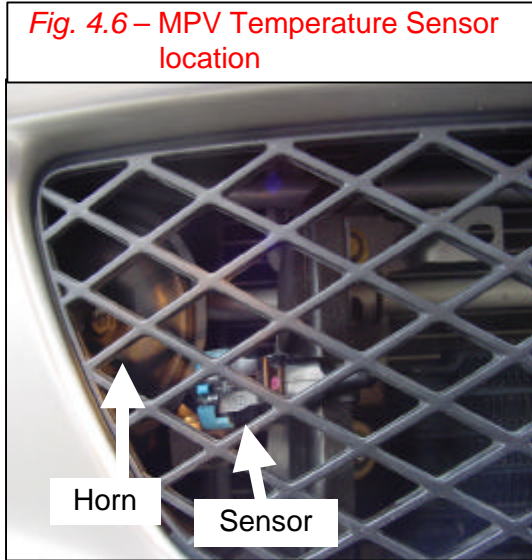
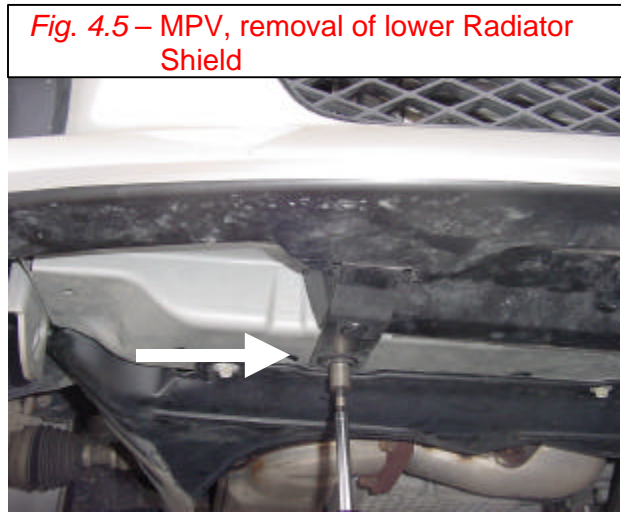
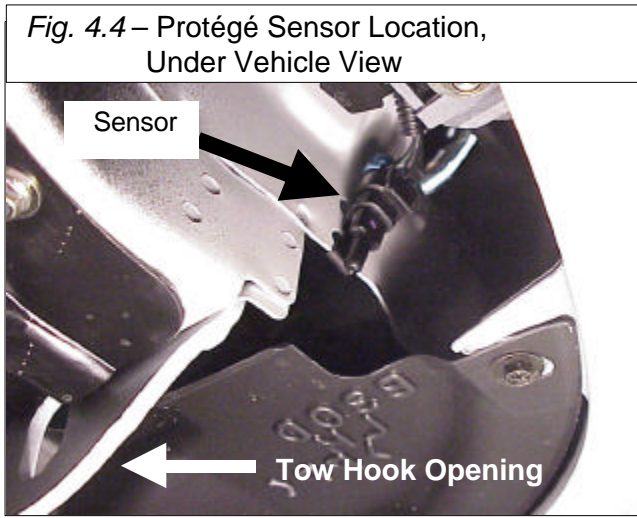
Fig. 4.2 - Miata Sensor location



Fig. 4.3 - Miata Sensor installation



- d) Slide the spring clip attached to the Temperature Sensor over the edge of the sheet metal, covering the two holes in the sheet metal. The end of the sensor with wire harness should be on top.



**MPV Application: Mounting Temperature sensor**

- a) Locate vehicle horn in passenger side opening of lower front grill. (Fig. 4.6)
- b) Locate plastic radiator shield below grill, under van. (Fig. 4.5)
- c) Remove 10mm bolt from passenger side of plastic shield. (Fig. 4.5)
- d) From above engine, drop temperature sensor end of harness through opening between engine drive belts and passenger side, fender sheet metal. (Fig. 4.10)
- e) From below engine, route sensor to opening at bottom of radiator, behind horn.
- f) Pull harness through opening to area where horn is located. (Fig. 4.6)
- g) Locate vertical part of black plastic shield, just right of horn, as seen through lower grill opening.
- h) Attach temperature sensor to front edge of vertical plastic shield. (Fig. 4.7)
  - Pull down black plastic shield where 10mm screw was removed. (Fig. 4.5)
  - Through opening, slide sensor spring clip, over plastic edge, so sensor is horizontal, with tip of sensor pointing toward driver's side. (Fig. 4.7)
- i) Use wire ties to hold harness wire away from hot or moving objects.

- 2) Route the temperature sensor harness (Item 6), to rubber grommet in dash wall:

**626, Miata, Protégé, Protege5 Applications:**

- a) Route harness behind the headlight. Along the driver's side fender.
  - 626 and Protégé (Fig 4.8)
  - Miata (Fig 4.9)
  - MPV, Passenger Side Fender (Fig 4.10 and 4.12)
- b) Around the strut tower.
  - Does not apply to Miata.
- c) To rubber grommet in dash wall.
  - 626 and Protégé – Grommet located below wiper motor (Fig 4.11)
  - Miata Grommet on dash wall, next to driver's side fender (Fig 4.14)

**MPV Application:** Temperature harness routing to dash wall

Note: Due to MPV's longer wire path, follow most direct path possible. Failure to route harness correctly will result in insufficient length.

- a) Route the temperature sensor harness (Item 4), from opening along passenger side of lower radiator. (Fig. 4.10)
- b) Along passenger side of strut tower, to large wire harness rubber grommet in passenger side dash wall. (Fig. 4.12 wire path, Fig 4.15 grommet)
- c) Remove all excess convoluted tubing, about 24 inches, from the terminal end of the temperature harness (Fig 4.13).

Fig. 4.8 - 626 Wire Harness Path. Protégé Similar

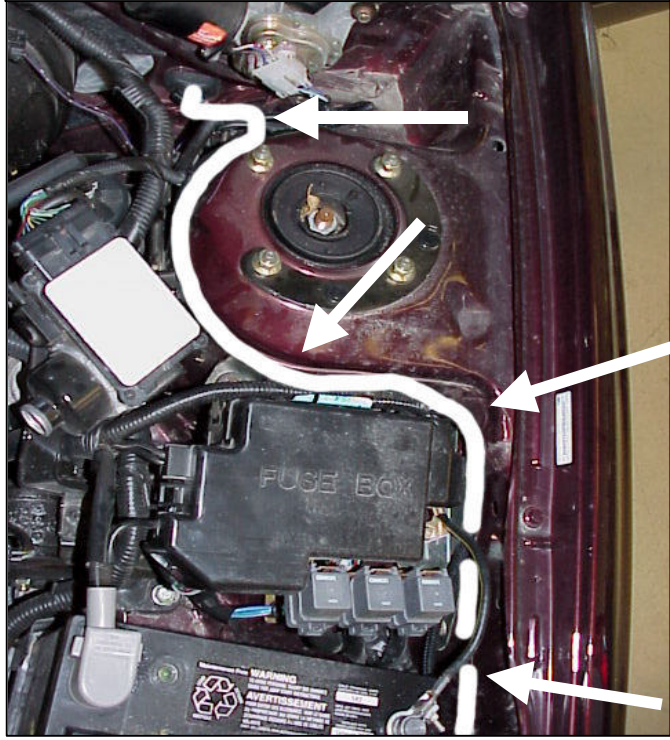


Fig. 4.9 - Miata Temperature Harness Path. Arrows indicate wire tie locations

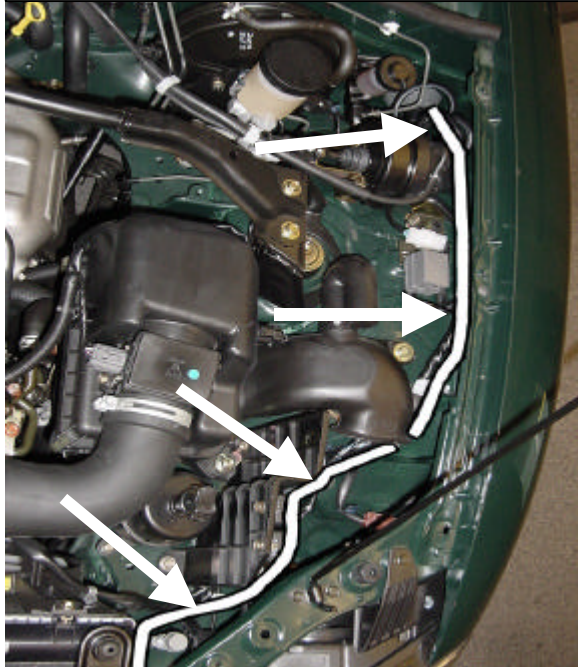
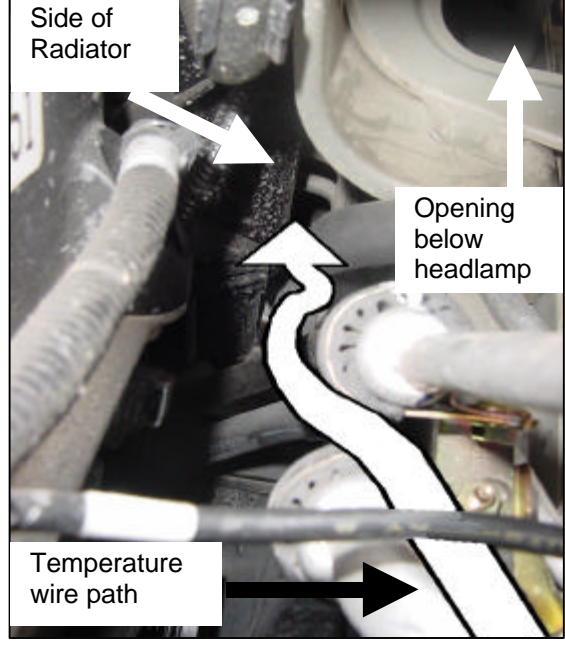


Fig. 4.10 - MPV Temperature Harness path along passenger side of the lower radiator

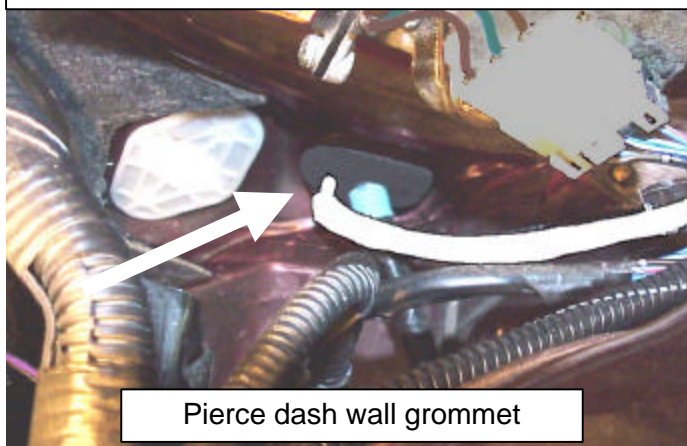


- 3) Attach fish wire to temperature sensor harness:
  - a) Remove plastic cover from sensor harness to reveal two terminals.
  - b) Attach fish wire (stiff coat hanger wire) to the free end of the temperature sensor harness using electrical tape. Wrap electrical tape over the terminals to prevent damage to them.

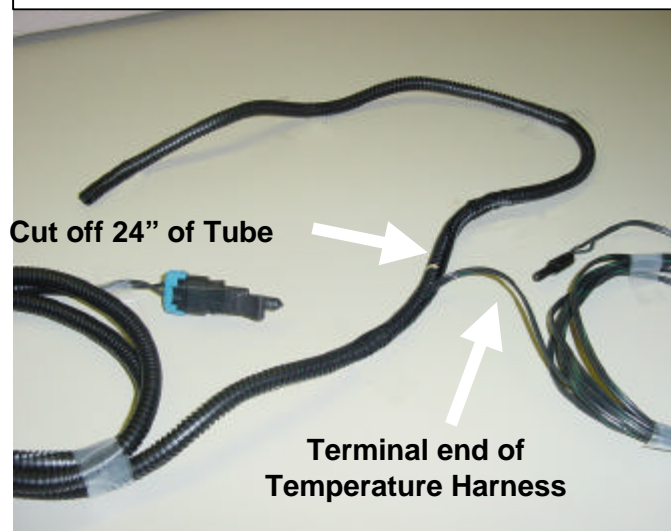
**Fig. 4.12 - MPV Temperature Harness Path**  
Arrows indicate wire tie locations



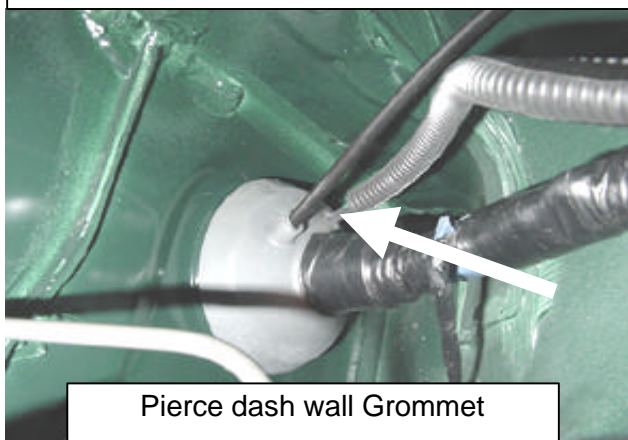
**Fig. 4.11 – 626, Passing Harness through Dash. Protégé Similar**



**Fig. 4.13 – MPV Trim Excess Tube from Wire**



**Fig. 4.14 – Miata, Passing Harness Through Dash**

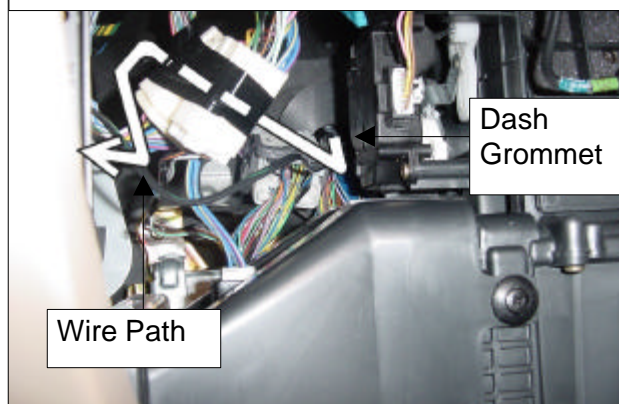


**Fig. 4.15 – MPV, Passing Harness Through Dash**



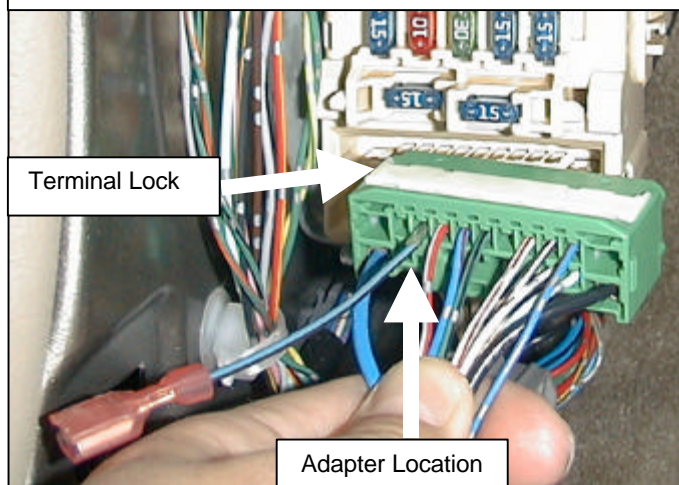
- 4) Route the temperature sensor harness through rubber grommet to passenger compartment:
  - a) Using the end of a fish wire, pierce the rubber grommet surrounding existing vehicle harness in the dash wall from engine side. Do not slice through sealing lip of the grommet.
    - 626 and Protégé – (Fig. 4.11)
    - Miata - (Fig. 4.14)
    - MPV – Pierce grommet top right corner where grommet is recessed (Fig. 4.15).
    - To avoid dash component and wiring damage, do not pierce grommet too deeply.
  - b) Carefully pull fish wire through grommet from passenger compartment.
  - c) Tie-wrap the temperature sensor harness to existing vehicle harness in engine compartment / fender well area
    - Wire tie locations identified by arrows in photos.
    - 626, Protégé (4 places) (Fig 4.8)
    - Miata (4 places) (Fig 4.9)
    - MPV tie wrap (3 places) (Fig. 4.12).
    - Be sure harness is well away from any moving parts.

Fig. 4.16 – MPV, Temperature Harness coming through Dash behind removed glove box



- 5) Route temperature sensor harness from area below dash to EC mirror:
  - a) Using fish wire, route temperature sensor harness from area below dash, up through opening at base of “A” pillar, to above the dash.
    - MPV: using fish wire, route temperature sensor harness from glove compartment area (Fig. 4.16) through the center console behind the radio over the steering column to the area at the base of “A” pillar.
    - MPV: Route harness up through opening in instrument panel at base of “A” pillar. Pull excess temperature sensor harness above instrument panel.
  - b) Remove fish wire.
  - c) MPV: Secure temperature harness to existing dash harnesses or bracketry using one wire tie behind glove box, and one wire tie above steering column. Be sure temperature sensor harness doesn’t interfere with glove box operation.
  - d) Run wire up “A” pillar next to OEM wiring so that it will not affect trim fit or pinch wire that may result in a short in the wiring. (Fig. 5.10)
  - e) Continue to route temperature sensor harness under front edge of headliner to the EC mirror. Temporarily leave enough wire to reach EC mirror.

Fig. 5.1 – 626 & Millenia Power Wire Connection



## 5 Power Harness Installation

- 1) Connect Power Harness (Item 2), to power source.

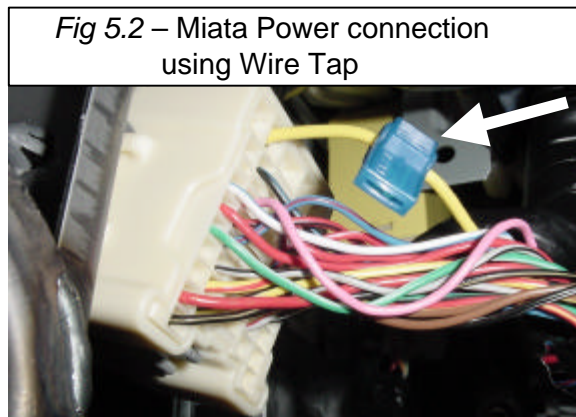
**626 and Millenia Application:** Connect Power Harness to Power Source

- a) Remove green terminal connector from bottom of fuse block.
- b) Pry up white plastic terminal lock strip on top left of green connector approximately 2mm. Do not remove completely.

- c) Insert metal terminal of 4" adapter wire, into 3<sup>rd</sup> opening on top from left side of green terminal connector. (Fig. 5.1)
- d) Press down white plastic terminal lock strip.
- e) Reinstall green terminal block.
- f) Attach 4" adapter wire to male spade terminal of power harness.

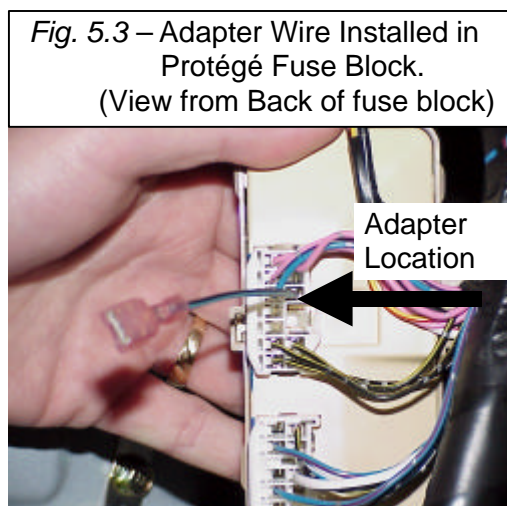
**Miata Application:** Connect Power Harness to Power Source

- a) Locate large 34 pin Connector block behind lower dash cover, below steering wheel column. (Fig. 5.2)
- b) Locate yellow wire, positioned top row, and second column from left.
- c) Apply Blue Wire Tap (Item 4) to wire by centering wire in middle of metal conductor blades.
- d) Close 2 sides of Wire Tap onto wire using pliers.
- e) Insert male spade terminal of Power Harness into slot opening of Wire Tap.



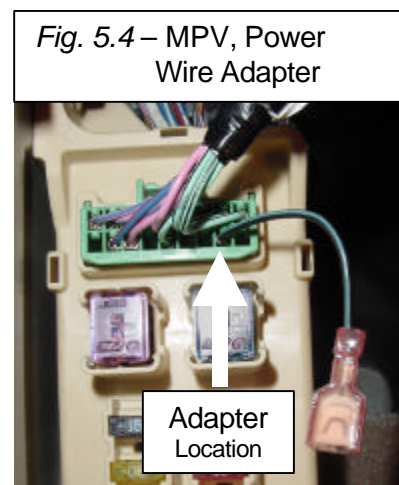
**Protégé Application:** Connect Power Harness to Power Source

- a) Loosen fuse box by removing one (1) M6 (10mm) bolt and one (1) # 2 Phillips screw.
- b) Turn fuse box around to view back side. Locate top left 12-pin connector. (See Fig. 5.3)
- c) Insert 4" adapter wire (Item 3) into third opening from the top on the right side of the connector.
- d) From above the dash, drop the fuse end of the power harness (Item 2) into opening at base of "A" pillar. From below dash, feed end of harness to fuse block area.
- e) Attach adapter wire to male spade terminal of power harness.
- f) Reinstall fuse box to sidewall.



**MPV Application:** Connect Power Harness to Power Source

- a) Remove fuse door cover, located below hood release.
- b) Pull rubber door seal away/out at top of fuse panel cover.
- c) Push to right top of Kick panel trim to gain access to top green connector.
- d) Remove green connector from top of fuse block using small flat screwdriver.
- e) Insert metal terminal of 4" adapter wire, into bottom row, 2nd opening from right side of green terminal connector. (Fig. 5.4)
- f) Reinstall green terminal block.
- g) Attach 4" adapter wire to male spade terminal of power harness.
- h) Replace removed trim and fuse panel cover.



2) Connect Ground Wire:

**626, Millenia, MPV Applications:** Connect Ground Wire

- a) Locate 10 mm hex bolt or nut to install ground wire ring terminal:
  - 626 – Ground bolt to left of fuse block. (Fig. 5.5)
  - Millenia – Ground bolt at bottom of fuse block. (Fig 5.6)

- MPV – Ground nut below steering column and above black diagnostic connector. (Fig. 5.7)
- Remove bolt or nut and install the ring terminal over the bolt.
  - Reinstall the ground bolt or nut.

Fig. 5.5 – 626 Ground Bolt Location

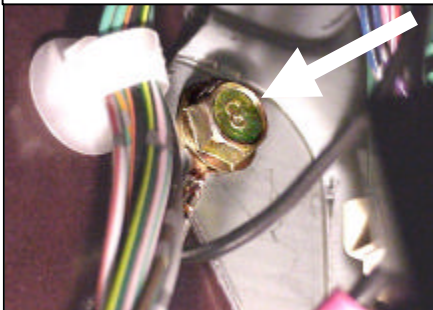


Fig. 5.6 – Millenia Ground Nut Location

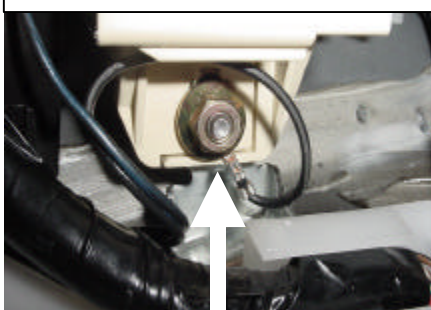


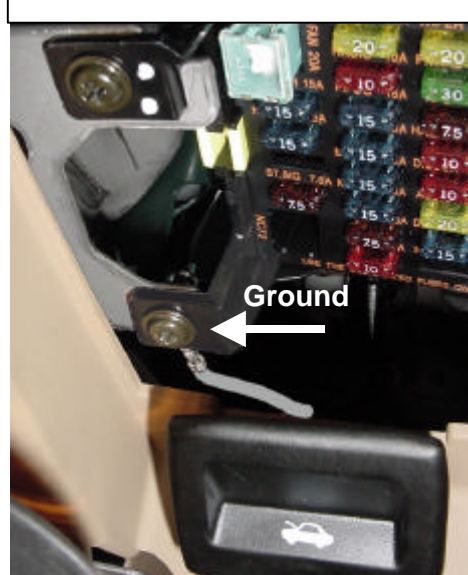
Fig. 5.7 – MPV, Ground Nut Location



**Miata Application: Connect Ground Wire**

- Remove access door from fuse block, located above hood release handle.
- Locate bottom left fuse block mounting screw. (Fig. 5.8)
- Remove the screw and install the Power Harness ring terminal over the bolt.
- Reinstall the ground bolt.

Fig 5.8 – Miata Ground Connection



**Protégé: Connect Ground Wire**

- Locate ground bolt just in front of fuse block. (Fig. 5.9)
- Remove the bolt and install the ring terminal over the bolt.
- Reinstall the ground bolt.

3) Route Power Wire:

**626, Protégé, MPV Applications: Route Power Wire**

- Using fish wire, route power harness up from fuse block area, through opening at base of "A" pillar, to above dash. Remove fish wire after completed. (Fig. 5.10)
- Run wire up "A" pillar following next to the OEM wiring.
- Continue routing harness under front edge of headliner to mirror.

Fig. 5.9 – Protégé Ground Bolt Location

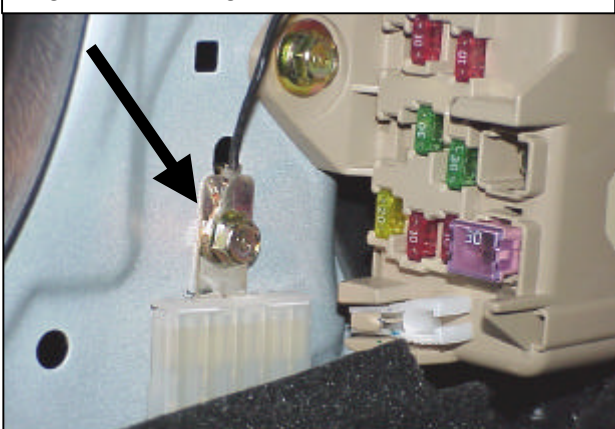
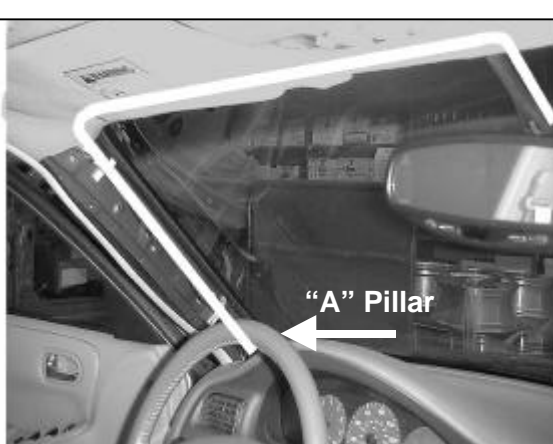


Fig. 5.10 – Wire Path "A" Pillar to Mirror



**Miata, Millenia Applications: Route Power Wire**

- a) With non-marring fiber stick (or similar) remove;
  - Millenia - Side panel of Instrument Panel. (Fig. 5.11)
  - Miata – Two access covers on side of Instrument Panel. (Fig. 5.12)
- b) Route wire up inside Instrument Panel cover to opening at base of 'A' pillar.
- c) Run wire up "A" pillar following next to the OEM wiring.
- d) Continue routing harness under front edge of headliner to mirror.

Fig. 5.11 - Wire Path Millenia, IP Side



Fig. 5.12 – Wire Path side of Miata Instrument Panel.



- 4) Connecting temperature sensor to power harness connector:  
NOTE: For mirrors without temperature display option, skip to next step.
  - a) Pass free end of the temperature sensor harness through mesh sleeve on the power harness.
  - b) Insert temperature sensor harness terminals into the rear face of 7-pin connector on the power harness: use vacant pin numbers 6 and 7. The temperature sensor harness terminals are not polarity sensitive. (Fig 5.13)
- 5) Connecting Power Harness to EC Mirror:  
NOTE: Applies to both Compass and Compass Temperature mirrors.
  - a) Plug the 7-pin power harness connector into the back of the EC mirror.
  - b) Adjust position of harness cover mesh such that it is approximately vertical.

Fig. 5.13 – Temperature Harness Terminal Installation. Only applies to mirrors with temperature feature.

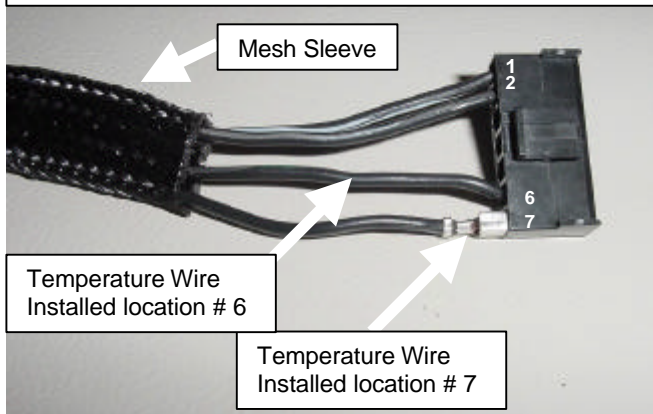
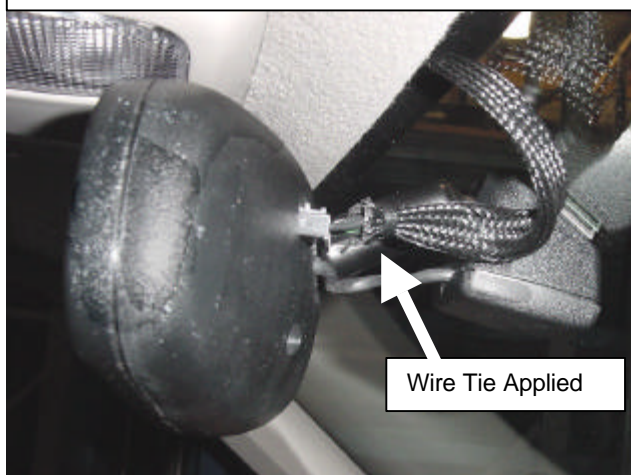


Fig. 5.14 – Applying Wire Tie at Connector



- c) Tuck the remaining harness between the headliner and the roof.
- d) Apply tie wrap to end of black mesh behind 7-pin connector. Trim excess tie. (Fig 5.14)
- e) Use tie wraps to fix temperature sensor and power harness on "A" pillar (3 places).

## **6 Testing Auto Dimming Feature**

- 1) Reconnect the negative battery terminal.
- 2) Turn the ignition switch to ACC position.
- 3) Assure that vehicle is in a fairly well lit area.
- 4) Auto dimming is enabled when Green LED is on. Push EC mirror left switch to turn auto dimming ON or OFF.
- 5) Cover the forward-looking photocell with a dark cloth (simulates night driving condition). The photocell is located below the wire harness connector on the rear side of the EC mirror. After a few seconds, the mirror will begin to darken.
- 6) Remove the cover from the forward-looking photocell and the mirror will begin to clear. The test is complete.

## **7 Installation of Removed Components**

Replace components in reverse order they were removed and finish installation:

- 1) Use Tie Wraps to hold wire harnesses in place along path.
- 2) Install the driver's side "A" pillar garnish.
- 3) Replace driver's side front kick panel. (Does not apply to Miata)
- 4) Replace driver's side body side welt.
- 5) Replace door sill cover. (Protégé and Millenia)
- 6) Replace sun visor screws and sun visor clip. (626 and Miata).
- 7) Re-enter customer programmed radio stations.
- 8) Place User Guide and Installation Instructions in Vehicle Owner's Manual folder.
- 9) Wipe mirror and vehicle clean of fingerprints and dirt.

## **8 Operation (Also described in User Guide)**

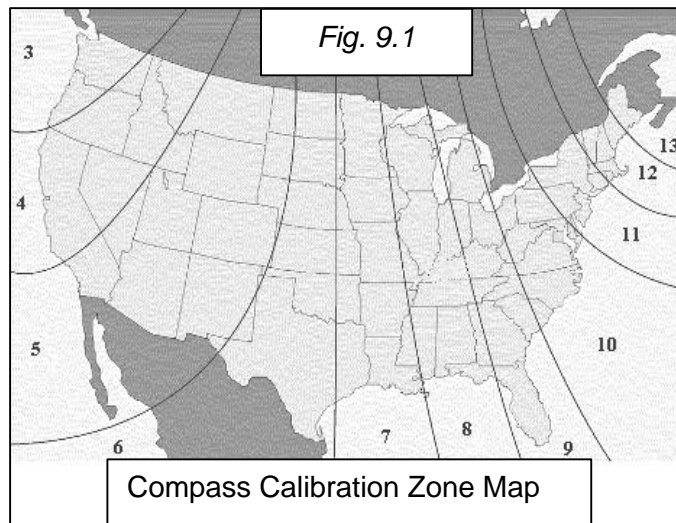
The following sections explain basic operation of EC mirror:

- 1) Display operation of mirror with Compass.
  - a) Press right button to turn Compass display ON/OFF.
  - b) Press left button to turn Auto-Dimming feature ON/OFF.
    - Auto-dimming is enabled when Green LED is on.
- 2) Display operation of mirror with Compass and Temperature display.
  - a) Press and release right button once to display temperature in °F and Compass.
  - b) Press and release right button twice to display temperature in °C and Compass.
  - c) Press and release right button three times to turn off display.
  - c) Press and release left button to turn Auto-Dimming feature ON/OFF.
    - Auto-dimming is enabled when Green LED is on.

## 9 Compass Zone Adjustment

Adjust compass zone after EC mirror installation or change of geographical location:

- 1) The zone setting is factory preset to Zone 8. Refer to Compass Calibration Zone Map (Fig. 9.1) to find correct compass zone setting for your geographical location.
- 2) To change the zone setting, push and hold right button until "ZONE" appears in the display.
- 3) Press button repeatedly until desired compass zone number is reached. The display will change back to the compass direction after three seconds when right button is not activated.



## 10 Compass Reset Procedure

The compass calibrates itself under normal driving conditions. However, occasional circumstances may cause the compass to operate inaccurately. Reset the mirror compass if only one direction or a limited number of directions are displayed, no matter which way you are traveling.

To reset the compass, follow these instructions:

- 1) Drive to an open, level area away from large metallic objects or structures.
- 2) For optimum calibration, switch off all non-essential electrical accessories (rear window defrost, heater/air conditioning, map lamps wipers, etc.) and ensure all doors are shut.
- 3) Hold the left button for approximately 3 seconds until "CAL" text appears in the display. Release the left button to enter the calibration mode.
- 4) Drive slowly in a circle until the "CAL" text disappears in the display (about two or three circles). The compass is now calibrated.

## 11 Temperature Operation

The temperature sensor is located in front of the radiator. Due to its location, the sensor can be affected by road or engine heat during idling or slow driving. Adaptation to ambient temperature takes place in steps through time filtering and depends on the prevailing driving conditions and amount of temperature change. Because of the filtering, the display will take approximately three minutes to update to ambient temperature if the current temperature is higher than the previous time the vehicle was turned on.

### **\*WARNING**

*The outside temperature indicator is not designed to serve as an Ice warning device and is therefore unsuitable for that purpose. Indicated temperatures just above the freezing point do not guarantee that the road surface is free of ice.*

### Compass/ Temperature EC Mirror Trouble Shooting Guide

CONDITION	POSSIBLE CAUSE	ACTION
Mirror face does not dim.	<ul style="list-style-type: none"> <li>EC function is not on.</li> <li>Mirror is not receiving power. Photo sensor is blocked.-</li> </ul>	Use pinpoint test A.
Mirror face is always dim	<ul style="list-style-type: none"> <li>Photo sensor is blocked.</li> </ul>	Use pinpoint test B.
Compass display is inaccurate.	<ul style="list-style-type: none"> <li>Compass pod is not mounted properly.</li> <li>External magnetic influence is present.</li> <li>Zone setting is incorrect.</li> <li>Compass pod was not calibrated.</li> </ul>	Use pinpoint test C.
There is no compass display.	<ul style="list-style-type: none"> <li>Compass display is switched off.</li> <li>Mirror is not receiving power.</li> </ul>	Use pinpoint test D.
“OC” is shown in temperature display.	<ul style="list-style-type: none"> <li>Temperature sensor not connected.</li> <li>Bad temperature sensor</li> </ul>	Use pinpoint test E.
“SC” is shown in temperature display.	<ul style="list-style-type: none"> <li>Broken temperature harness.</li> <li>Short in temperature harness.</li> </ul>	Use pinpoint test F.
Temperature reading is inaccurate.	<ul style="list-style-type: none"> <li>User is not familiar with temperature filtering.</li> <li>Sensor is mounted in wrong position.</li> <li>Bad temperature sensor.</li> <li>Bad temperature harness.</li> </ul>	Use pinpoint test G.
Some segments of display do not work.	<ul style="list-style-type: none"> <li>Bad mirror head.</li> </ul>	Use pinpoint test H.
Display does not dim at night.	<ul style="list-style-type: none"> <li>Bad mirror head.</li> </ul>	Use pinpoint test I.
Display is always dim.	<ul style="list-style-type: none"> <li>Photo sensor opening blocked.</li> <li>Bad mirror head.</li> </ul>	Use pinpoint test J.

#### PINPOINT TEST A: MIRROR FACE DOES NOT DIM

TEST STEP	RESULT	ACTION
<b>A1:</b> Is green LED on?	YES NO	Go to A2. Push left button. Verify green light. Go to A2.
<b>A2:</b> Cover round opening in back of mirror. Does mirror face dim?	YES NO	Test finished. Mirror functional. Go to A3.
<b>A3:</b> Remove 7-pin connector from back of mirror. Turn ignition to on position. Measure voltage across pins 1 & 2 with positive lead on pin 1. Is voltage between 9V and 16V?	YES NO	Go to A1. Go to A4.
<b>A4:</b> Verify the correct power harness connection to vehicle. Refer to installation instructions. Is power harness installed correctly?	YES NO	Replace mirror head. Reinstall harness following instructions. Go to A1.

#### PINPOINT TEST B: MIRROR FACE IS ALWAYS DIM

TEST	RESULT	ACTION
<b>B1:</b> Is anything blocking the Photo sensor opening on the front of the mirror (right most hole)?	YES NO	Remove obstruction. Verify that mirror no longer dims. Replace mirror head.

#### PINPOINT TEST C: COMPASS DISPLAY IS INACCURATE

TEST	RESULT	ACTION
<b>C1:</b> Is pod snapped onto mount?	YES NO	Go to C2. Snap pod on. Go to C2.
<b>C2:</b> Is external magnetic influence (roof antenna, etc.) close to mirror?	YES NO	Move external magnet to location further from mirror. Go to C3.
<b>C3:</b> Is zone set correctly? Follow Zone Adjustment procedure section 9 of this manual.	YES NO	Go to C4. Set zone. Go to C4.
<b>C4:</b> Calibrate Compass. Follow instruction section 10 of this manual. Is Compass accurate?	YES NO	Compass functions properly. Test complete Replace mirror head.

**PINPOINT TEST D: THERE IS NO COMPASS DISPLAY**

TEST	RESULT	ACTION
<b>D1:</b> Press right most button. Does display turn on?	YES NO	Test finished. Mirror is functional. Go to D2.
<b>D2:</b> Test per A3. Is voltage between 9V and 16V?	YES NO	Go to D3. Test per A4 then go to D1.
<b>D3:</b> Is the harness from the mirror head connected to the pod?	YES NO	Replace mirror head. Plug in compass connector and verify that display turns on.

**PINPOINT TEST E: "OC" IS SHOWN IN TEMPERATURE DISPLAY**

TEST	RESULT	ACTION
<b>E1:</b> Is the temperature sensor connected to the temperature harness?	YES NO	Go to E2. Install temperature sensor, then verify that temperature display no longer reads "OC".
<b>E2:</b> Remove 7-pin connector from back of mirror. At room temperature use and ohm meter to measure the resistance through pin 6 & 7 on the harness connector. Is the resistance between 9 k-ohms and 11k-ohms?	YES NO	Replace mirror head. Replace temperature harness.

**PINPOINT TEST F: "SC" IS SHOWN ON TEMPERATURE DISPLAY**

TEST	RESULT	ACTION
<b>F1:</b> Test per E2. Is the resistance between 9k-ohms and 11 k-ohms?	YES NO	Replace mirror head. Go to F2.
<b>F2:</b> Measure resistance on temperature probe. Is the resistance between 9k-ohms and 11k-ohms?	YES NO	Replace temperature harness Replace temperature probe.

**PINPOINT TEST G: TEMPERATURE READING IS INACCURATE**

TEST	RESULT	ACTION
<b>G1:</b> Refer to Temperature Operation description, sections 8 and 11. Do symptoms fit description?	YES NO	Test finished. Mirror is functional. Go to G2.
<b>G2:</b> Is probe mounted per installation instructions?	YES NO	Go to G3. Reinstall probe, per instructions, then verify reading is accurate.
<b>G3:</b> Test per E2. Is resistance measured at harness connector correct?	YES NO	Replace mirror head. Go to G4.
<b>G4:</b> Test per F2. Is resistance measured at temperature sensor correct?	YES NO	Replace Temperature Harness, (item 6). Replace Temperature Sensor, (Item5).

**PINPOINT TEST H: SOME SEGMENTS OF DISPLAY DO NOT WORK**

TEST	RESULT	ACTION
<b>H1:</b> Turn ignition to on position and watch display. Do all segments light up?	YES NO	Test is finished. Mirror is functional. Replace mirror head.

**PINPOINT TEST I: DISPLAY DOES NOT DIM AT NIGHT**

TEST	RESULT	ACTION
<b>I1:</b> Cover both Photosensor opening. Does display dim after 10 sec?	YES NO	Test is finished. Mirror is functional. Replace mirror head.

**PINPOINT TEST J: DISPLAY DOES NOT DIM AT NIGHT**

TEST	RESULT	ACTION
<b>J1:</b> Are Photosensor openings in front and back of mirror blocked?	YES NO	Remove blockage. Verify that display doesn't dim. Replace mirror head.