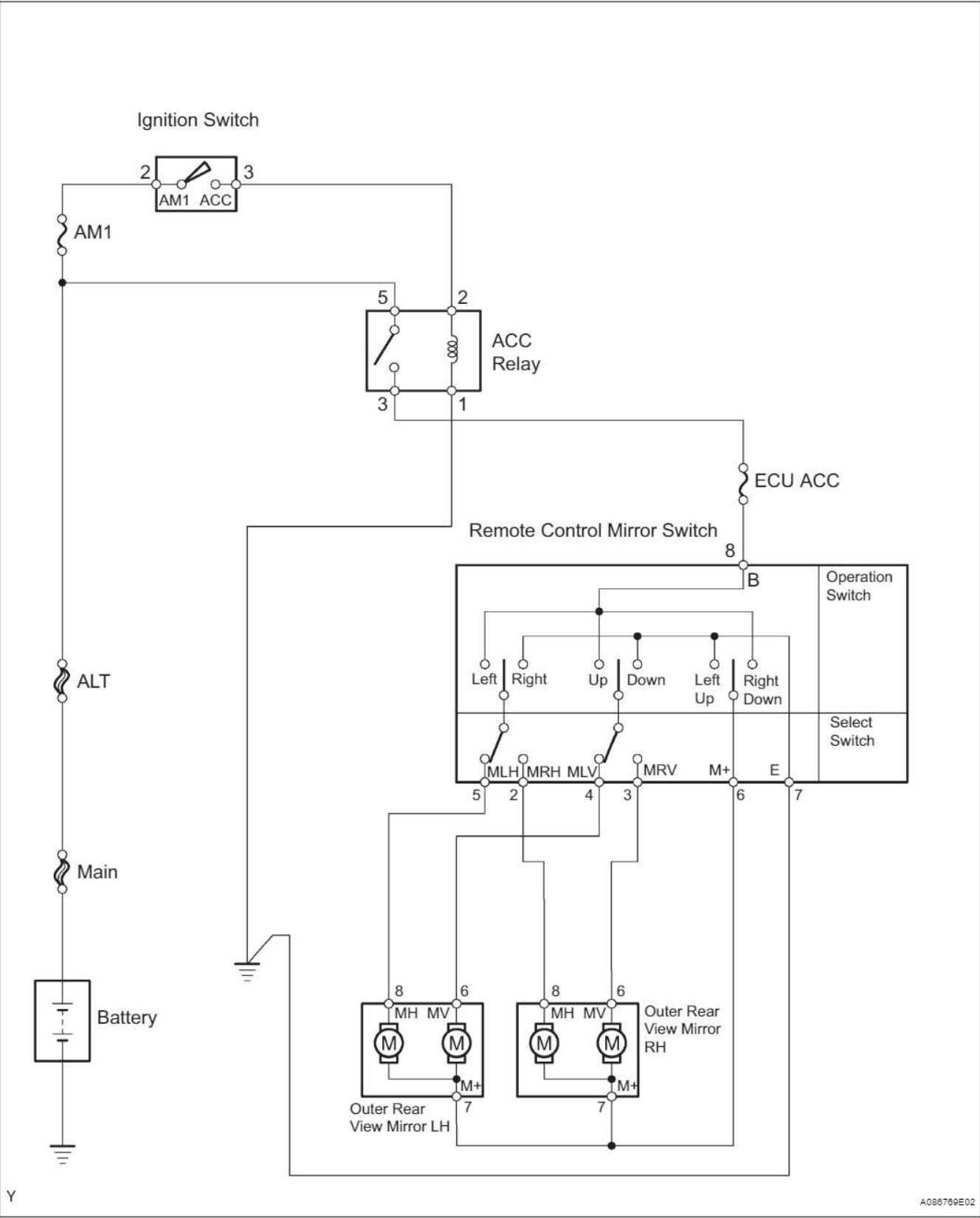


MI-4

MIRROR – POWER MIRROR CONTROL SYSTEM

SYSTEM DIAGRAM



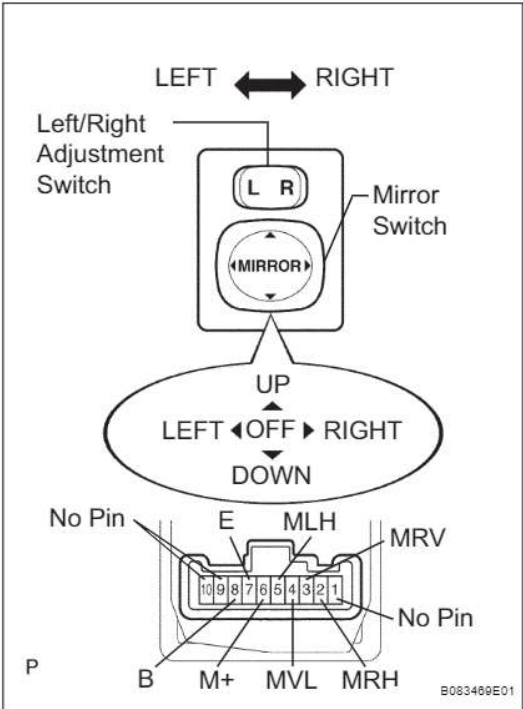
MIRROR – POWER MIRROR CONTROL SYSTEM

PROBLEM SYMPTOMS TABLE

POWER MIRROR CONTROL SYSTEM:

Symptom	Suspected area	See page
Mirror does not operate	1. ACC relay	MI-1
	2. ECU ACC fuse	MI-1
	3. AM1 fuse	MI-1
	4. Outer mirror switch assembly	MI-5
	5. Outer rear view mirror assembly	MI-11
	6. Wire harness	-
Mirror operates abnormally	1. Outer mirror switch assembly	MI-5
	2. Outer rear view mirror assembly	MI-11
	3. Wire harness	-

MI



INSPECTION

1. INSPECT OUTER MIRROR SWITCH ASSEMBLY

- (a) Select "L" on the left/right adjustment switch:
Measure the resistance of the switch.

Standard resistance

Terminal Connection	Switch Condition	Specified Condition
4 (MLV) - 8 (B) 6 (M+) - 7 (E)	UP	Below 1 Ω
4 (MLV) - 7 (E) 6 (M+) - 8 (B)	DOWN	Below 1 Ω
5 (MLH) - 8 (B) 6 (M+) - 7 (E)	LEFT	Below 1 Ω
5 (MLH) - 7 (E) 6 (M+) - 8 (B)	RIGHT	Below 1 Ω

If the result is not as specified, replace the switch assembly.

- (b) Select "R" on the left/right adjustment switch:
Measure the resistance of the switch.

Standard resistance

Terminal Connection	Switch Condition	Specified Condition
3 (MRV) - 8 (B) 6 (M+) - 7 (E)	UP	Below 1 Ω
3 (MRV) - 7 (E) 6 (M+) - 8 (B)	DOWN	Below 1 Ω
2 (MRH) - 8 (B) 6 (M+) - 7 (E)	LEFT	Below 1 Ω
2 (MRH) - 7 (E) 6 (M+) - 8 (B)	RIGHT	Below 1 Ω

If the result is not as specified, replace the switch assembly.

MIRROR – POWER MIRROR CONTROL SYSTEM**MI-1****POWER MIRROR CONTROL SYSTEM****PARTS LOCATION****MI****COUPE:****OUTER MIRROR SWITCH ASSEMBLY:**

OUTER REAR VIEW MIRROR
(OUTER REAR VIEW MIRROR
ASSEMBLY LH)

OUTER REAR VIEW MIRROR
(OUTER REAR VIEW MIRROR
ASSEMBLY RH)

INSTRUMENT PANEL J/B ASSEMBLY

- ACC RELAY
- ECU ACC FUSE
- AM1 FUSE

H

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MI-2

MIRROR – POWER MIRROR CONTROL SYSTEM

CONVERTIBLE:

MI

OUTER MIRROR SWITCH ASSEMBLY:

OUTER REAR VIEW MIRROR
(OUTER REAR VIEW MIRROR
ASSEMBLY LH)

OUTER REAR VIEW MIRROR
(OUTER REAR VIEW MIRROR
ASSEMBLY RH)

INSTRUMENT PANEL J/B ASSEMBLY

- ACC RELAY
- ECU ACC FUSE
- AM1 FUSE

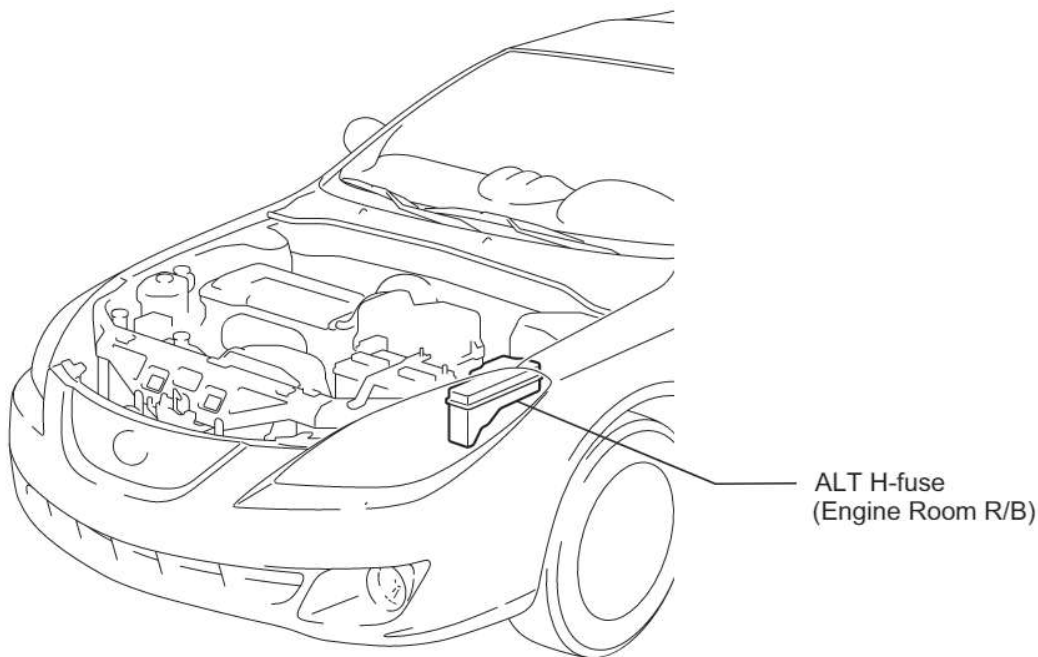
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MIRROR – POWER MIRROR CONTROL SYSTEM

MI-3

MI



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MI-10

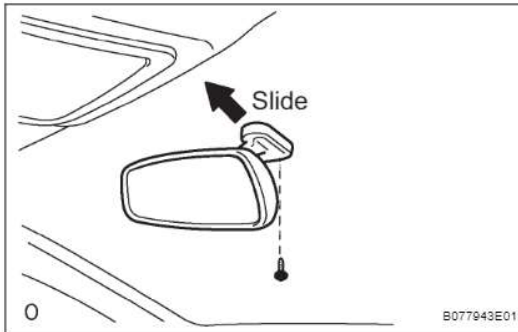
MIRROR – INNER REAR VIEW MIRROR

REMOVAL

HINT:

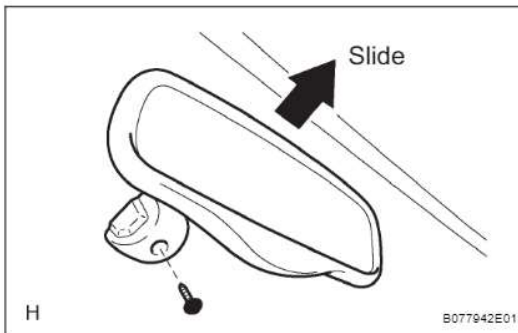
- The installation procedures are the removal procedures in reverse order. However, only installation procedures requiring additional information are included.
- EC mirror stands for electrochromic mirror.

MI



1. REMOVE INNER REAR VIEW MIRROR ASSEMBLY

- (a) Using a torx socket wrench (T20), remove the screw.
- (b) Slide the mirror in the direction indicated by the arrow in the illustration, and remove the mirror.



2. REMOVE INNER REAR VIEW MIRROR ASSEMBLY (w/ EC Mirror)

- (a) Remove the mirror cover.
- (b) Disconnect the connector.
- (c) Using a torx socket wrench (T20), remove the screw.
- (d) Slide the mirror in the direction indicated by the arrow in the illustration, and remove the mirror.

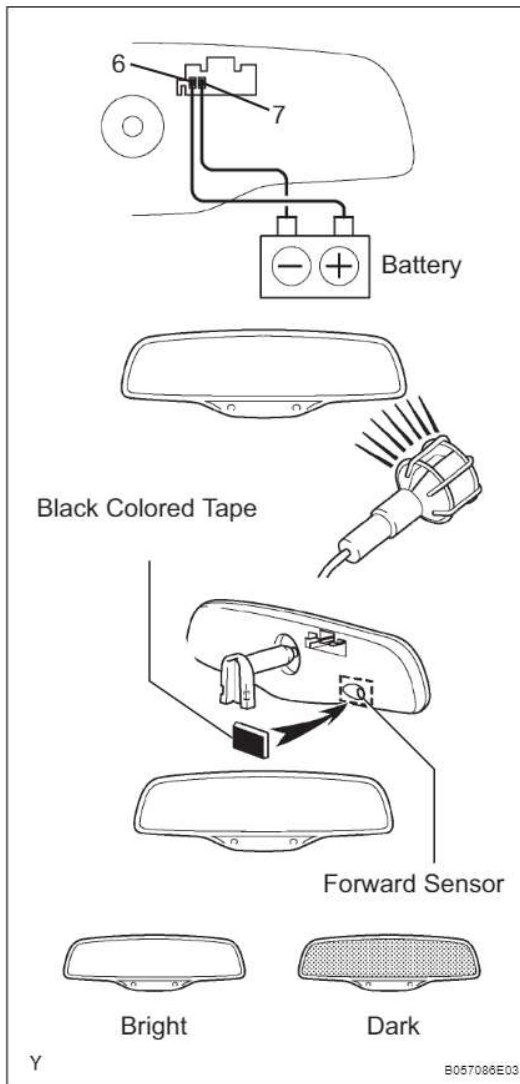
MIRROR – INNER REAR VIEW MIRROR**MI-11****INSPECTION****HINT:**

EC mirror stands for electrochromic mirror.

1. INSPECT INNER REAR VIEW MIRROR ASSEMBLY (w/ EC Mirror)

(a) Inspect operation of the electrochromic inner rear view mirror.

- (1) Connect the battery's positive (+) lead to terminal 6 and the battery's negative (-) lead to terminal 7.
 - (2) Attach black colored tape to the forward sensor to prevent it from sensing.
 - (3) Light up the mirror with an electric light, and check that the mirror surface changes from bright to dark.
- If the result is not as specified, replace the mirror assembly.

MI

MI-12**MIRROR – INNER REAR VIEW MIRROR**

INSTALLATION

1. **INSTALL INNER REAR VIEW MIRROR ASSEMBLY
(w/ EC Mirror)**
Torque: 1.2 N*m (12.2 kgf*cm, 11 in.*lbf)
2. **INSTALL INNER REAR VIEW MIRROR ASSEMBLY**
Torque: 1.2 N*m (12.2 kgf*cm, 11 in.*lbf)

MI

MI-6

MIRROR – INNER REAR VIEW MIRROR

INNER REAR VIEW MIRROR

CALIBRATION

1. SELECT COMPASS DISPLAY MODE

- (a) The COMP switch allows you to select the "Display" or "Non-display" mode of the compass.

2. SET ZONE

- (a) The location of magnetic north and true north differs depending on the location. Adjustment of the compass's magnetism is required to correct possible compass deviations from true north. Each user must set a zone (refer to the Compass Zone Map). This will automatically adjust the compass to the magnetic conditions in the zone selected. The zone setting can be changed using the inner rear view mirror COMP switch.

3. PERFORM CALIBRATION

- (a) Because each vehicle has its own magnetic field, calibration should be performed for each vehicle. This compass function is used when storing information about the vehicle's magnetic field.

4. WHEN COMPASS IS MAGNETIZED

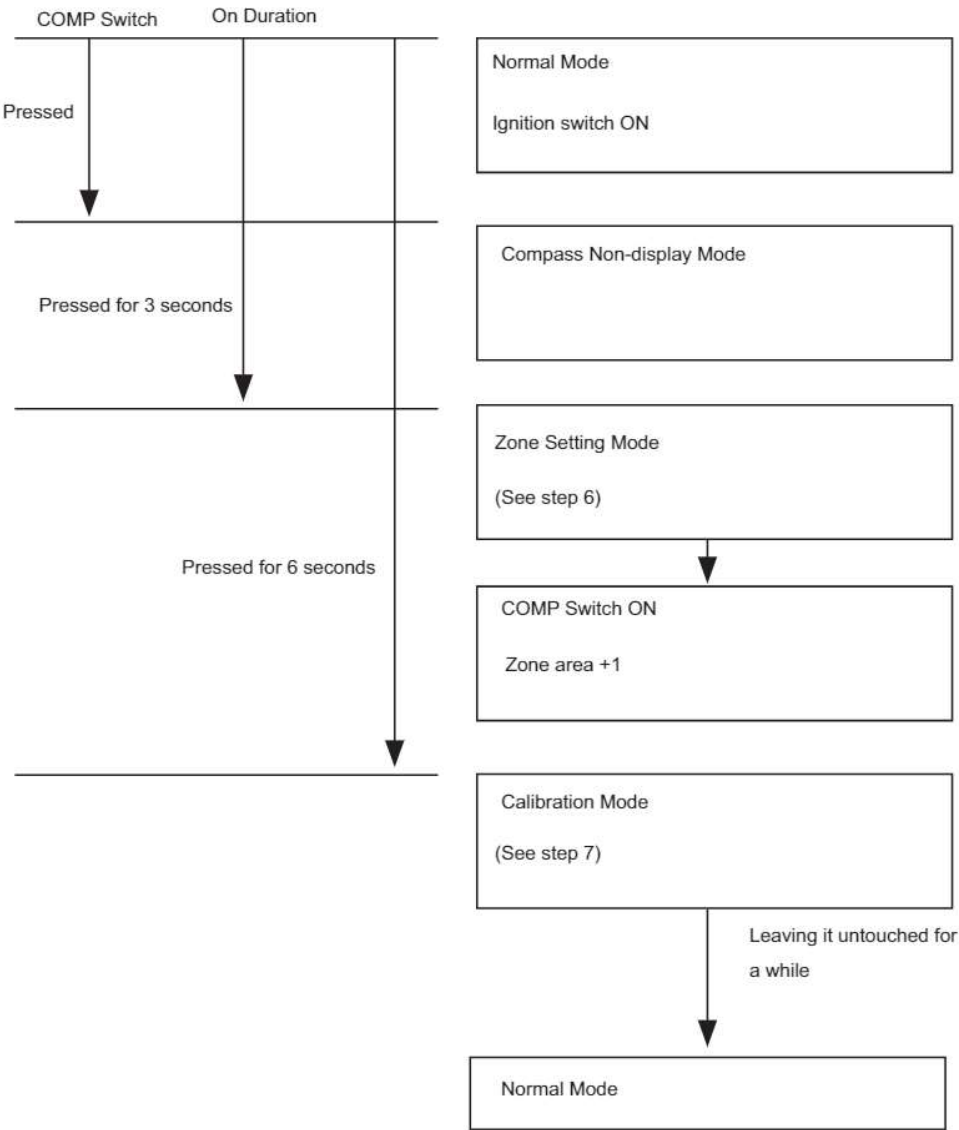
- (a) A compass may become magnetized during shipping by vessels or freight cars. Make sure to perform calibration and ensure that calibration is performed properly before delivery. If calibration cannot be completed despite driving the vehicle in a circle several times, the vehicle's magnetic field may be interfering with the calibration. Demagnetize the vehicle using a demagnetizer and perform calibration again.

MI

MIRROR – INNER REAR VIEW MIRROR

MI-7

5. SET COMPASS



MI

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MI-8**MIRROR – INNER REAR VIEW MIRROR**

MI**6. ZONE SETTING MODE**

- (a) Pressing the COMP switch for 3 seconds in the normal mode will activate the zone setting mode. A number (1 to 15) is displayed on the compass display.

HINT:

In the initial state, "8" is displayed.

- (b) The displayed number increases by 1 every time the COMP switch is pressed. Referring to the map, check the number for the area where the vehicle will be used and set the zone number.
- (c) Do not touch the compass for several seconds after setting the zone. Check that the compass display shows an azimuthal direction (N, NE, E, SE, S, SW, W, or NW) or "C".

7. CALIBRATION SETTING MODE

- (a) Pressing the COMP switch for 6 seconds in the normal mode will activate the calibration setting mode.
- (b) Drive the vehicle at 8 km/h (5 mph) or less in a circle.
- (c) Driving in a circle 1 to 3 times will display the azimuthal direction on the display, completing the calibration.

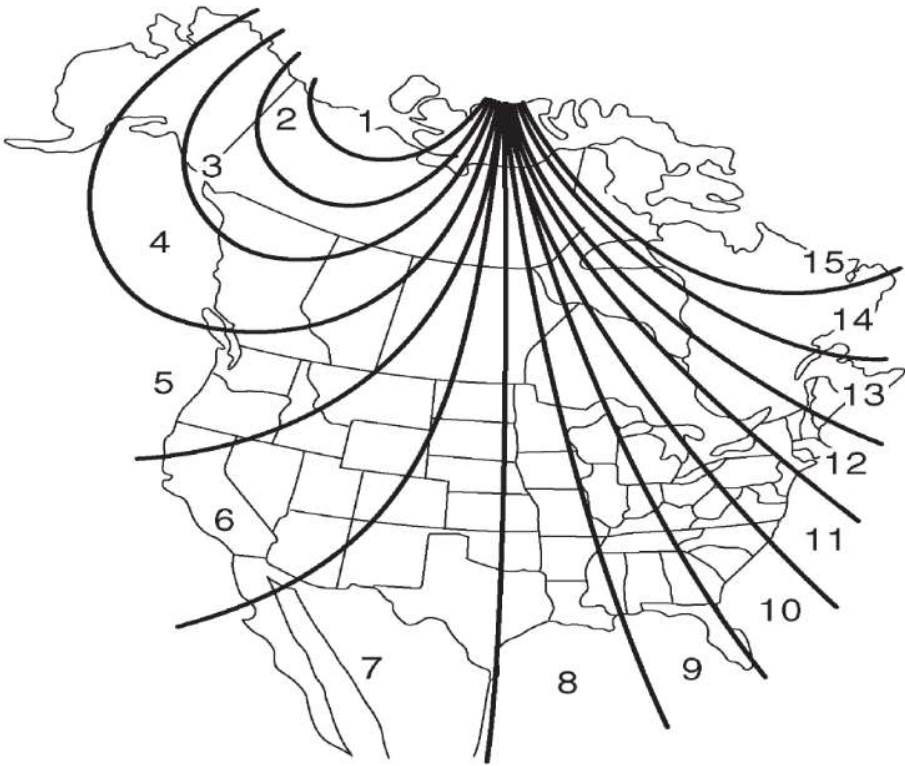
HINT:

After the calibration is completed, it is not necessary to perform the above procedures unless the magnetic field strength of the vehicle drastically changes. If this happens, the azimuthal display will change to "C".

MIRROR – INNER REAR VIEW MIRROR

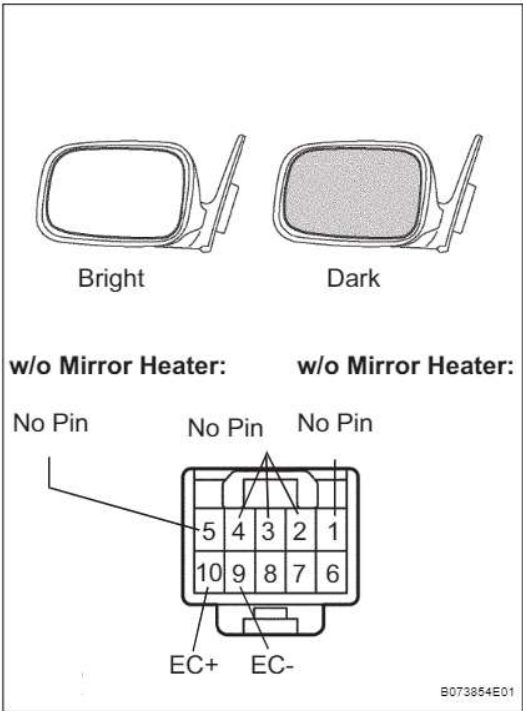
MI-9

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MIRROR – OUTER REAR VIEW MIRROR

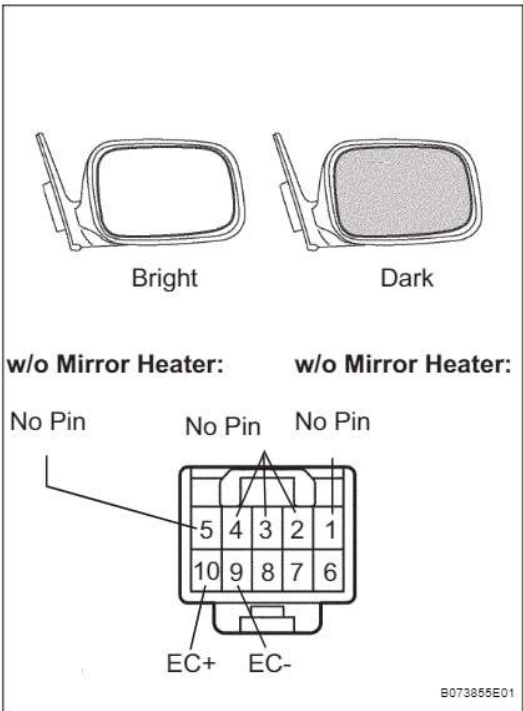


3. INSPECT OUTER REAR VIEW MIRROR ASSEMBLY LH (w/ EC Mirror)

- (a) Disconnect the mirror connector.
 - (b) Apply battery voltage and check operation of the mirror face.
- OK

Measurement Condition	Mirror Operation
Battery positive (+) → Terminal 10 (EC+) Battery negative (-) → Terminal 9 (EC-)	Mirror surface changes to dark

If the result is not as specified, replace the mirror assembly.

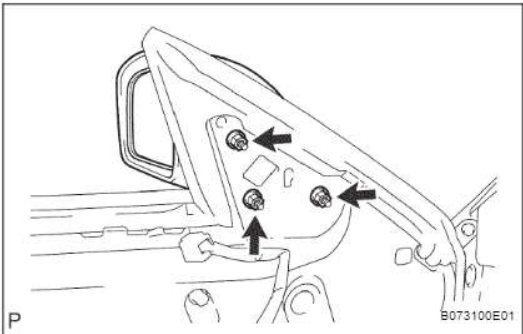


4. INSPECT OUTER REAR VIEW MIRROR ASSEMBLY RH (w/ EC Mirror)

- (a) Disconnect the mirror connector.
 - (b) Apply battery voltage and check operation of the mirror face.
- OK

Measurement Condition	Mirror Operation
Battery positive (+) → Terminal 10 (EC+) Battery negative (-) → Terminal 9 (EC-)	Mirror surface changes to dark

If the result is not as specified, replace the mirror assembly.



INSTALLATION

1. INSTALL OUTER REAR VIEW MIRROR ASSEMBLY LH

- (a) Install the mirror with the 3 nuts.
Torque: 4.5 N*m (46 kgf*cm, 40 in.*lbf)

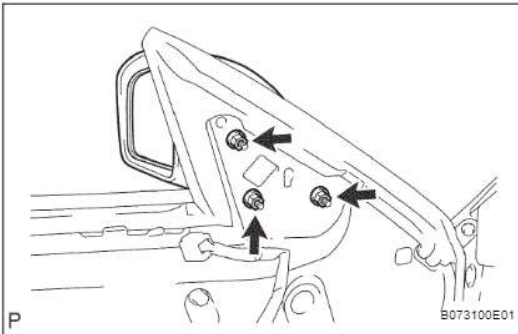
OUTER REAR VIEW MIRROR

REMOVAL

HINT:

- The installation procedures are the removal procedures in reverse order. However, only installation procedures requiring additional information are included.
- Use the same procedures for the RH side and LH side.

1. **REMOVE FRONT DOOR LOWER FRAME BRACKET GARNISH LH** (See page [ED-10](#))
2. **REMOVE FRONT DOOR INSIDE HANDLE BEZEL PLUG LH** (See page [ED-10](#))
3. **REMOVE FRONT DOOR TRIM BOARD SUB-ASSEMBLY LH** (See page [ED-11](#))
4. **REMOVE OUTER REAR VIEW MIRROR ASSEMBLY LH**
 - (a) Disconnect the connector.
 - (b) Remove the 3 nuts and mirror.



INSPECTION

HINT:
EC mirror stands for electrochromic mirror.

1. INSPECT OUTER REAR VIEW MIRROR ASSEMBLY LH

- (a) Disconnect the mirror connector.
- (b) Apply battery voltage and check operation of the mirror.

OK

Measurement Condition	Mirror Operation
Battery positive (+) → 7 (M+) Battery negative (-) → 6 (MV)	Turns upward (A)
Battery positive (+) → 6 (MV) Battery negative (-) → 7 (M+)	Turns downward (B)
Battery positive (+) → 7 (M+) Battery negative (-) → 8 (MH)	Turns left (C)
Battery positive (+) → 8 (MH) Battery negative (-) → 7 (M+)	Turns right (D)

If the result is not as specified, replace the mirror assembly.

2. INSPECT OUTER REAR VIEW MIRROR ASSEMBLY RH

- (a) Disconnect the mirror connector.
- (b) Apply battery voltage and check operation of the mirror.

OK

Measurement Condition	Mirror Operation
Battery positive (+) → 6 (MV) Battery negative (-) → 7 (M+)	Turns upward (A)
Battery positive (+) → 7 (M+) Battery negative (-) → 6 (MV)	Turns downward (B)
Battery positive (+) → 8 (MH) Battery negative (-) → 7 (M+)	Turns left (C)
Battery positive (+) → 7 (M+) Battery negative (-) → 8 (MH)	Turns right (D)

If the result is not as specified, replace the mirror assembly.

MI

