

MI-4

MIRROR – POWER MIRROR CONTROL SYSTEM

PROBLEM SYMPTOMS TABLE

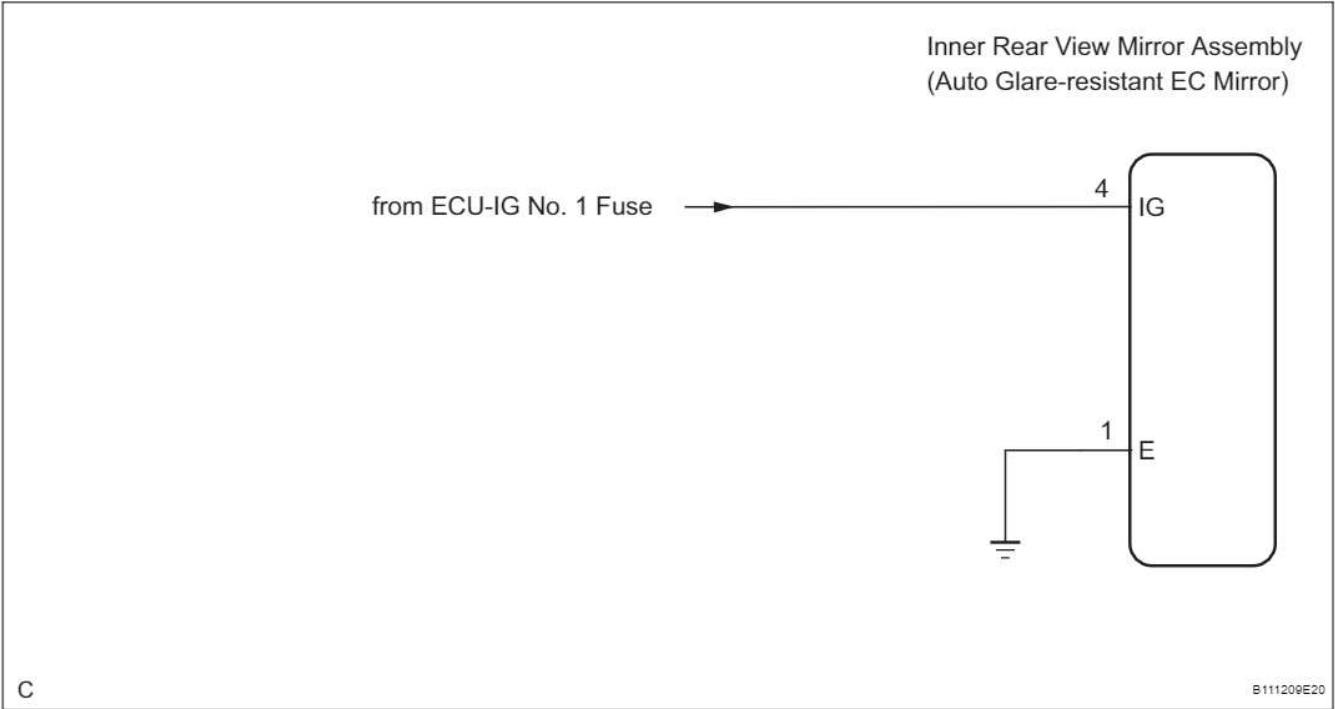
Power Mirror Control System

Symptom	Suspected Area	See page
Power mirrors cannot be adjusted manually	1. ECU-ACC fuse	-
	2. Outer mirror switch	MI-18
	3. Outer rear view mirror LH/RH	MI-14
	4. Wire harness	-
Mirror heater does not operate	1. MIR HTR, A/C No. 2, RR DEF fuses	-
	2. Heater control panel assembly	-
	3. A/C amplifier assembly	-
	4. RR DEF relay	WS-84
	5. Outer rear view mirror LH/RH	MI-14
	6. Wire harness	-

MIRROR – INNER REAR VIEW MIRROR

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SYSTEM DIAGRAM



MI

MI-8**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) Deviation between the "magnetic north" and "actual north" differs depending on the location. Therefore, adjustment of the magnetism is required. Since the magnetic condition differs depending on the area where the vehicle is used, it is necessary for each user to set the zone (Refer to Compass Zone Map). The zone setting can be changed using the COMP switch of the inner mirror.

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 the record of the vehicle's magnetic field.

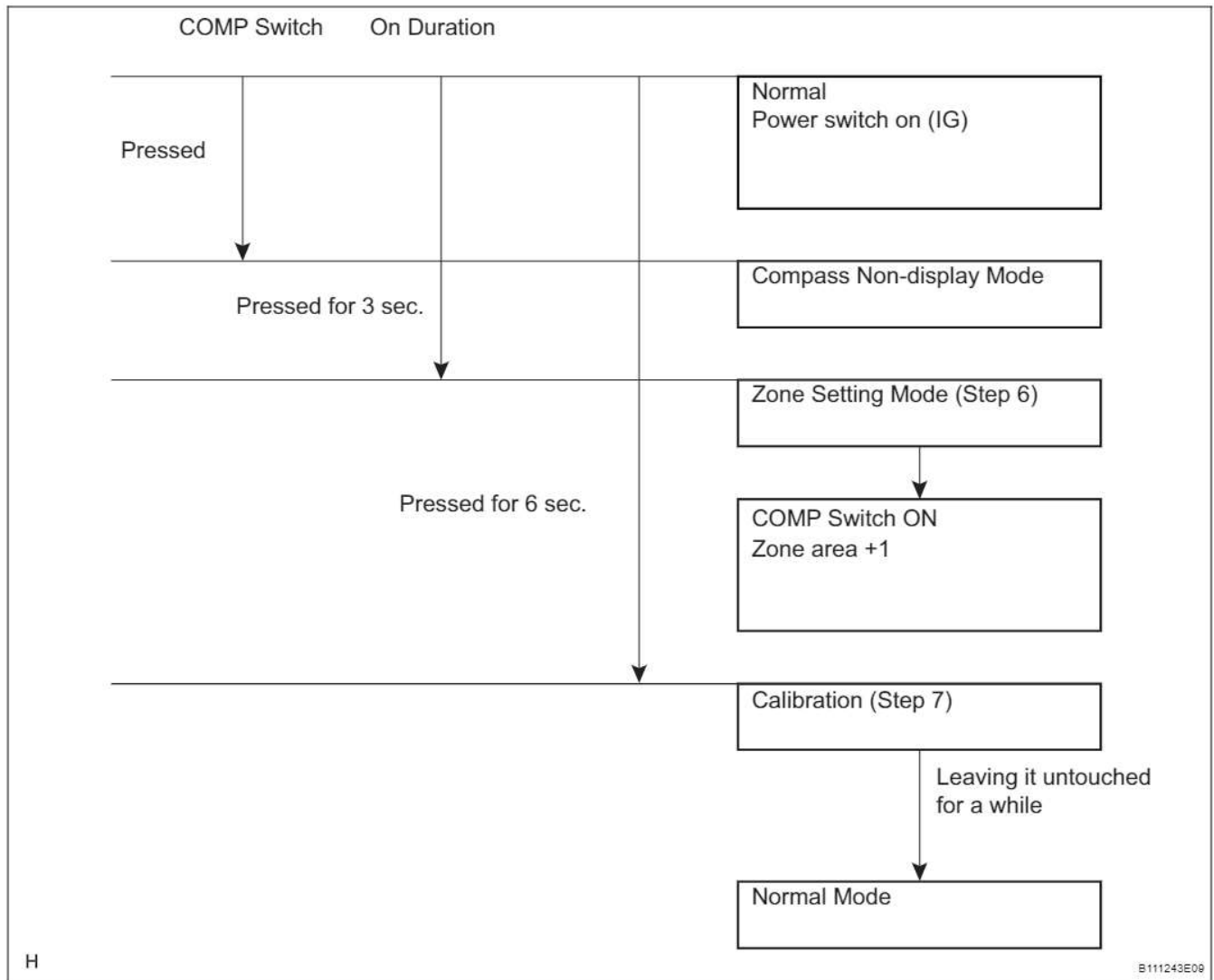
4. WHEN COMPASS IS MAGNETIZED

- (a) A compass could be magnetized during shipping by vessels or freight cars. Therefore, make sure to perform calibration and ensure that calibration is performed properly before delivery. If it cannot be done (cannot be completed in spite of driving around several times), it may be caused by magnetization. Demagnetize the vehicle using a demagnetizer and perform calibration again.

MIRROR – INNER REAR VIEW MIRROR

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5. SET COMPASS



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.

NOTICE:

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) Leave it untouched for several seconds after setting and 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.

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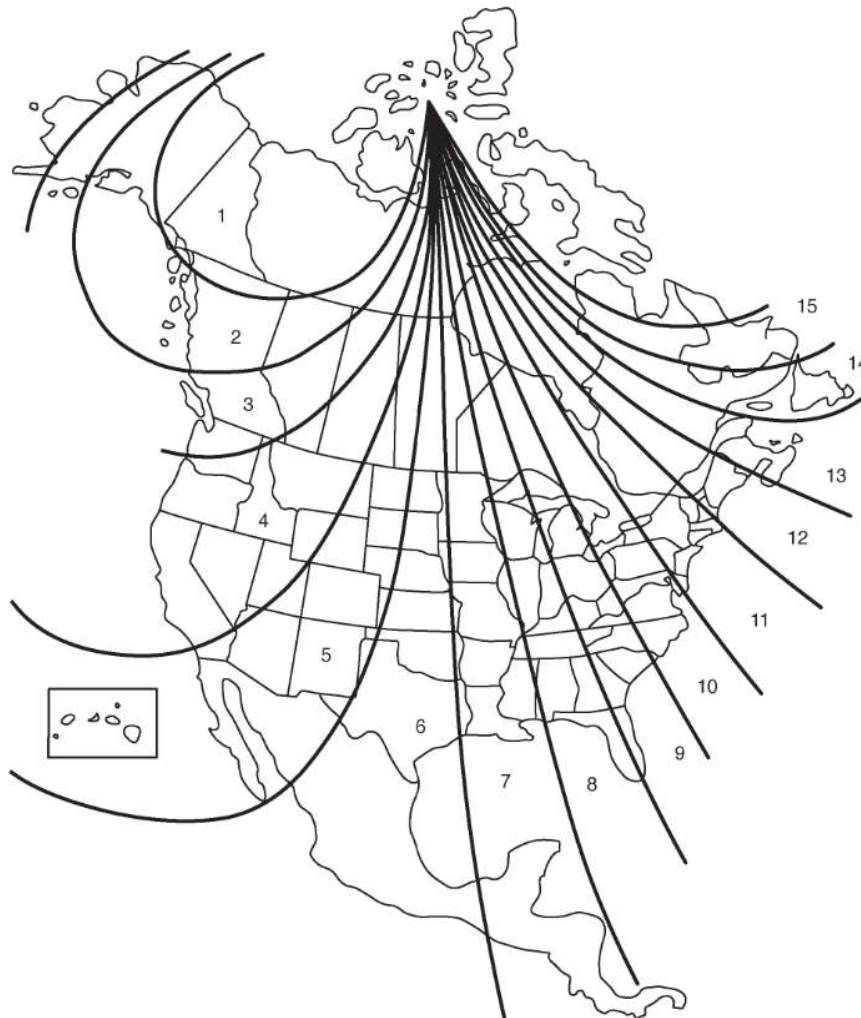
MIRROR – INNER REAR VIEW MIRROR

- (b) Drive the vehicle at a slow speed of 8 km/h (5 mph) or less in the circular direction.
- (c) Driving around the circle 1 to 3 times will display the azimuthal direction on the display, completing the calibration.

NOTICE:

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

Zone Setting Map:



T

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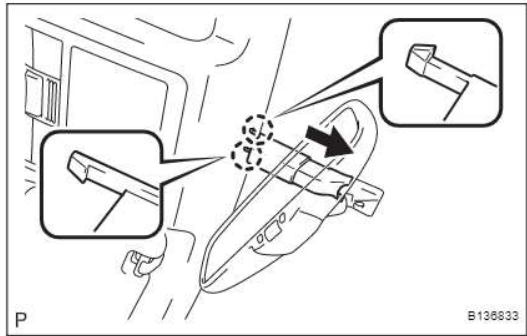
MI

MIRROR – INNER REAR VIEW MIRROR

PROBLEM SYMPTOMS TABLE

AUTOMATIC GLARE-RESISTANT EC MIRROR

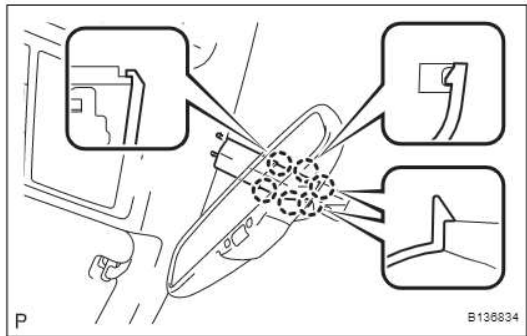
Symptom	Suspected Area	See page
Auto glare-resistant EC mirror does not operate	1. ECU-IG No. 1 fuse	-
	2. Inner rear view mirror	MI-11
	3. Wire harness	-



REMOVAL

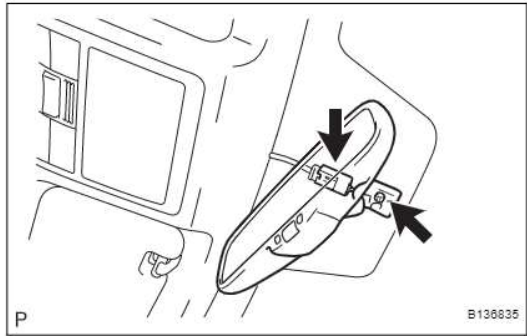
1. REMOVE INNER REAR VIEW MIRROR STAY HOLDER COVER

- (a) Disengage the 2 claws and slide the inner rear view mirror stay holder cover as shown in the illustration.
- (b) Disengage the 6 claws and remove the inner rear view mirror stay holder cover.



2. REMOVE INNER REAR VIEW MIRROR ASSEMBLY

- (a) Disconnect the connector.
- (b) Using a "TORX" socket wrench (T20), remove the screw and the inner rear view mirror.



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MIRROR – INNER REAR VIEW MIRROR

INSPECTION

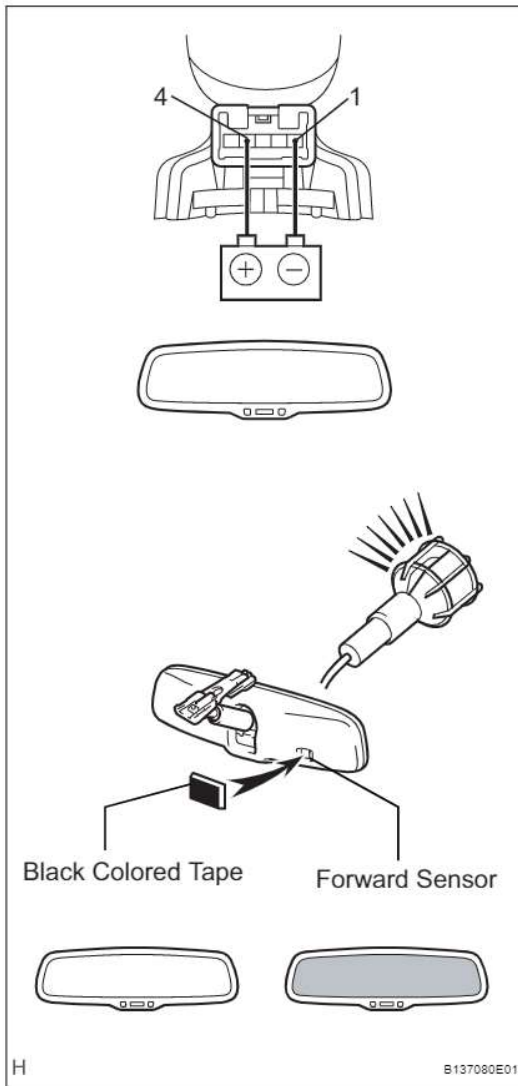
1. INSPECT INNER REAR VIEW MIRROR ASSEMBLY

- (a) Inspect operation of the electrochromic inner mirror.
 - (1) Connect the positive (+) lead from the battery to terminal 4 and the negative (-) lead to terminal 1.
 - (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.

Standard:

Mirror surface changes from bright to dark.

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



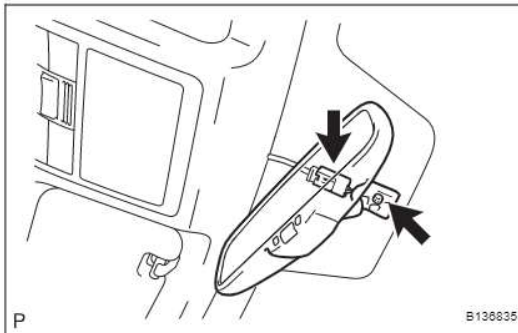
INSTALLATION

1. INSTALL INNER REAR VIEW MIRROR ASSEMBLY

- (a) Using a "TORX" socket wrench (T20), install the inner rear view mirror with the screw.

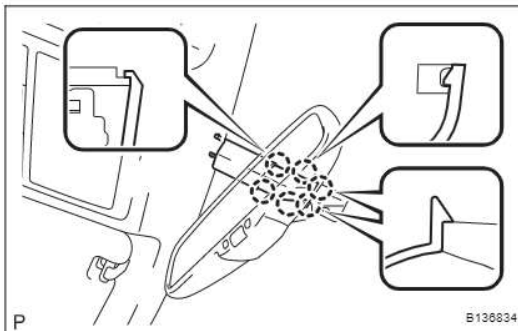
Torque: 1.8 N*m (18 kgf*cm, 16 in.*lbf)

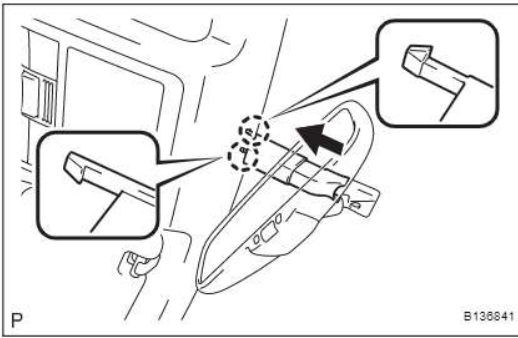
- (b) Connect the connector.



2. INSTALL INNER REAR VIEW MIRROR STAY HOLDER COVER

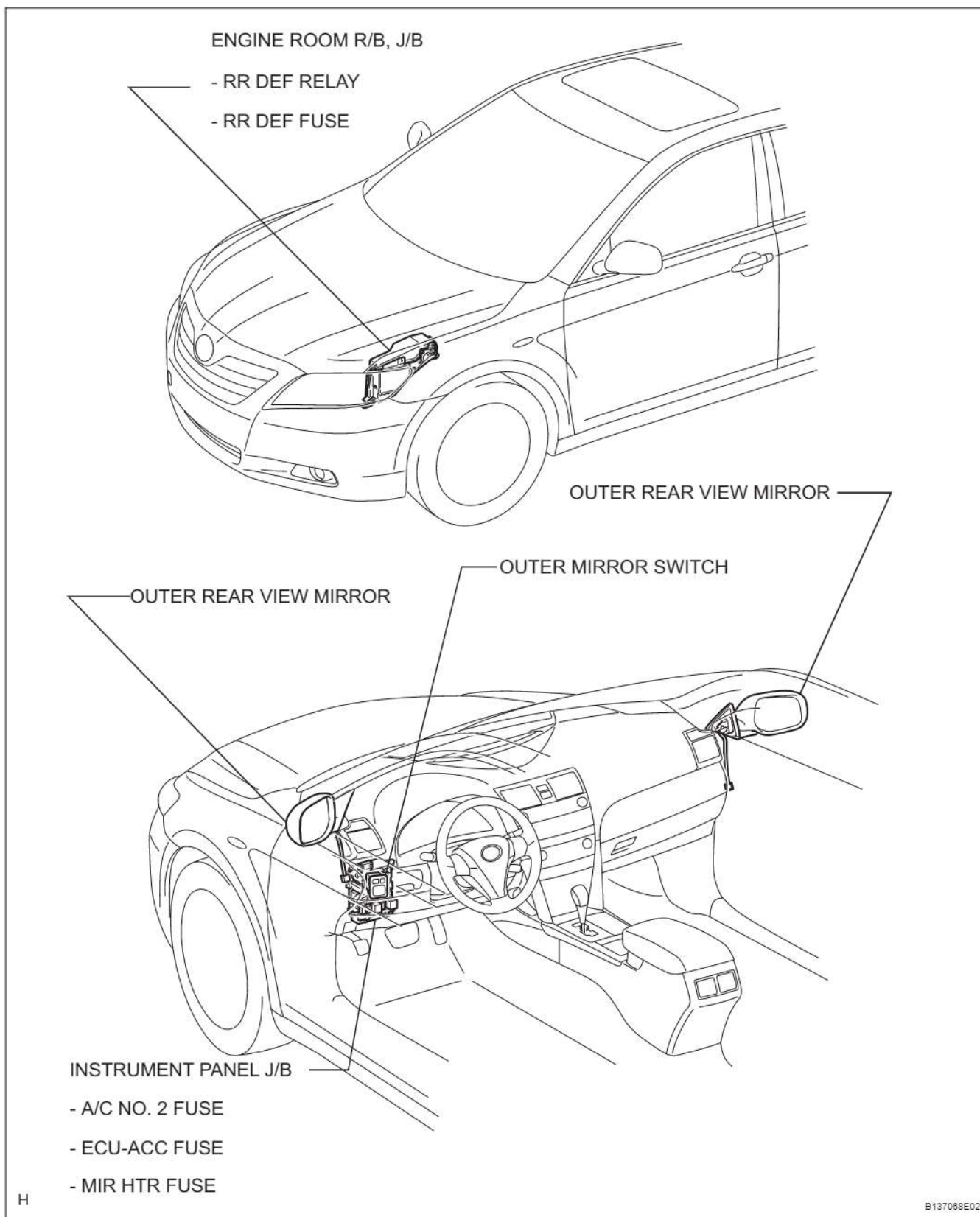
- (a) Engage the 6 claws and install the inner rear view mirror stay holder cover.



MIRROR – INNER REAR VIEW MIRROR**MI-13**

- (b) Engage the 2 claws and install the inner rear view mirror stay holder cover as shown in the illustration.

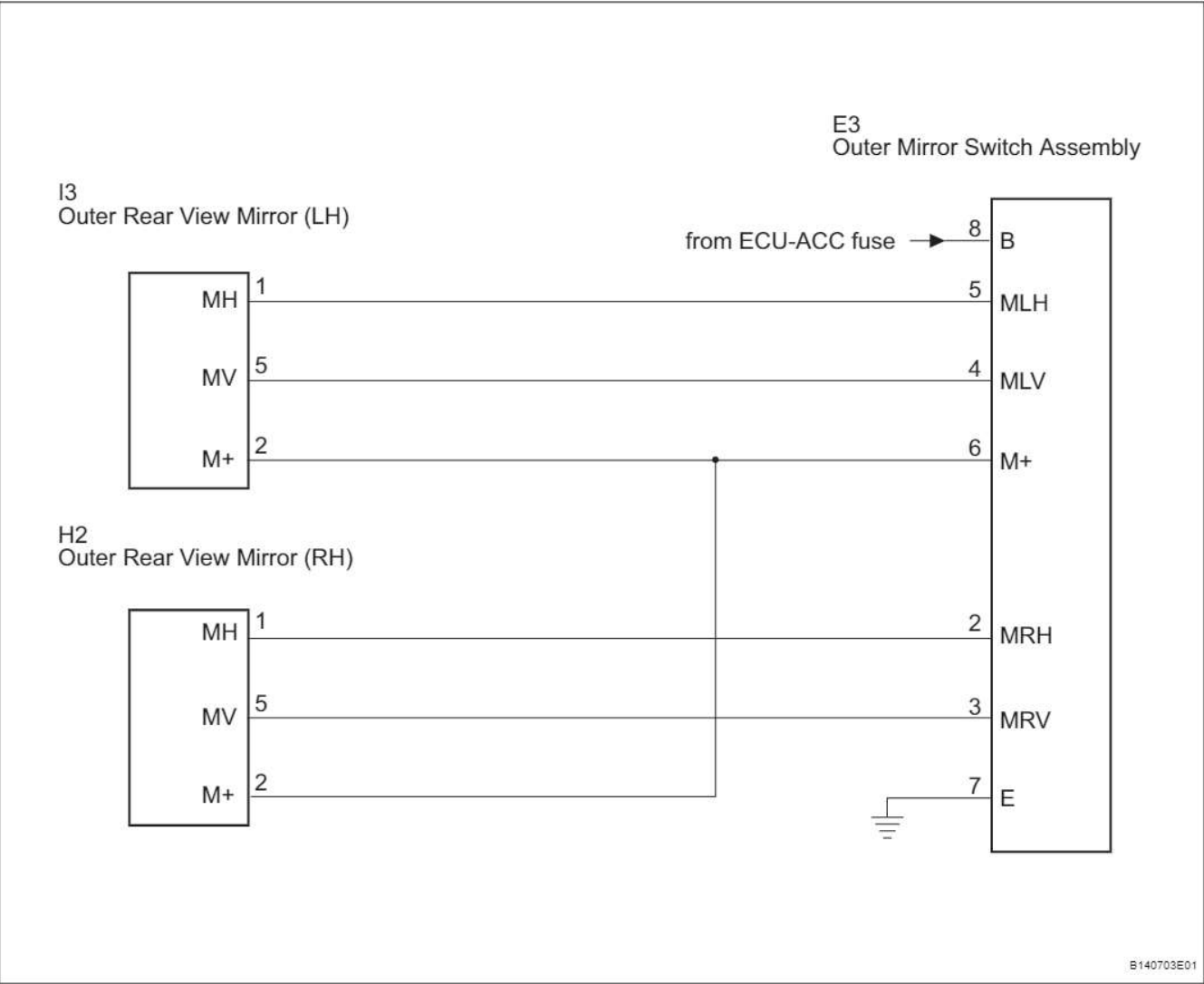
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MIRROR – POWER MIRROR CONTROL SYSTEM**MI-1****POWER MIRROR CONTROL SYSTEM****PARTS LOCATION****MI**

MI-2

MIRROR – POWER MIRROR CONTROL SYSTEM

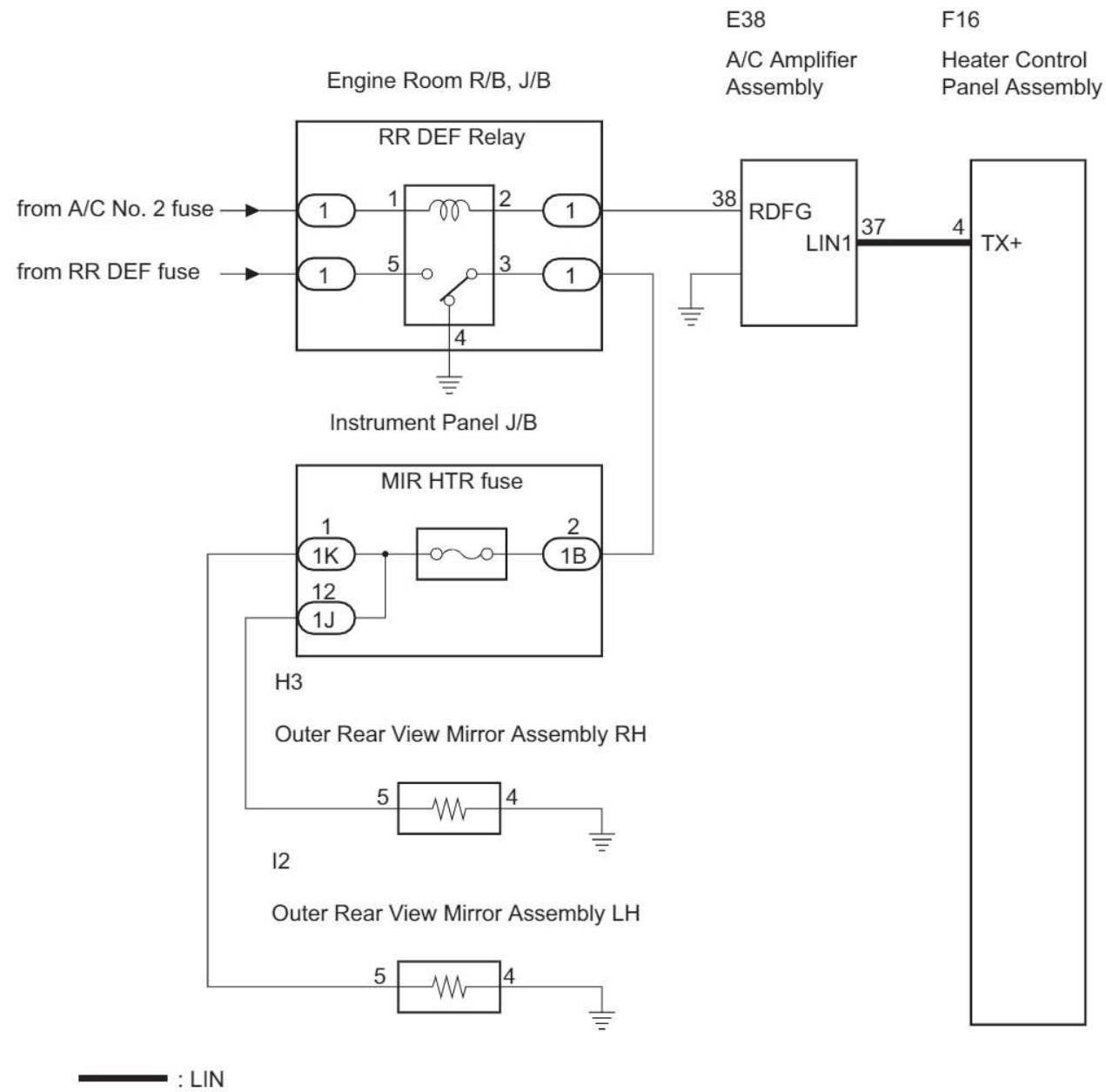
SYSTEM DIAGRAM



MIRROR – POWER MIRROR CONTROL SYSTEM

MI-3

Mirror Heater Operation:



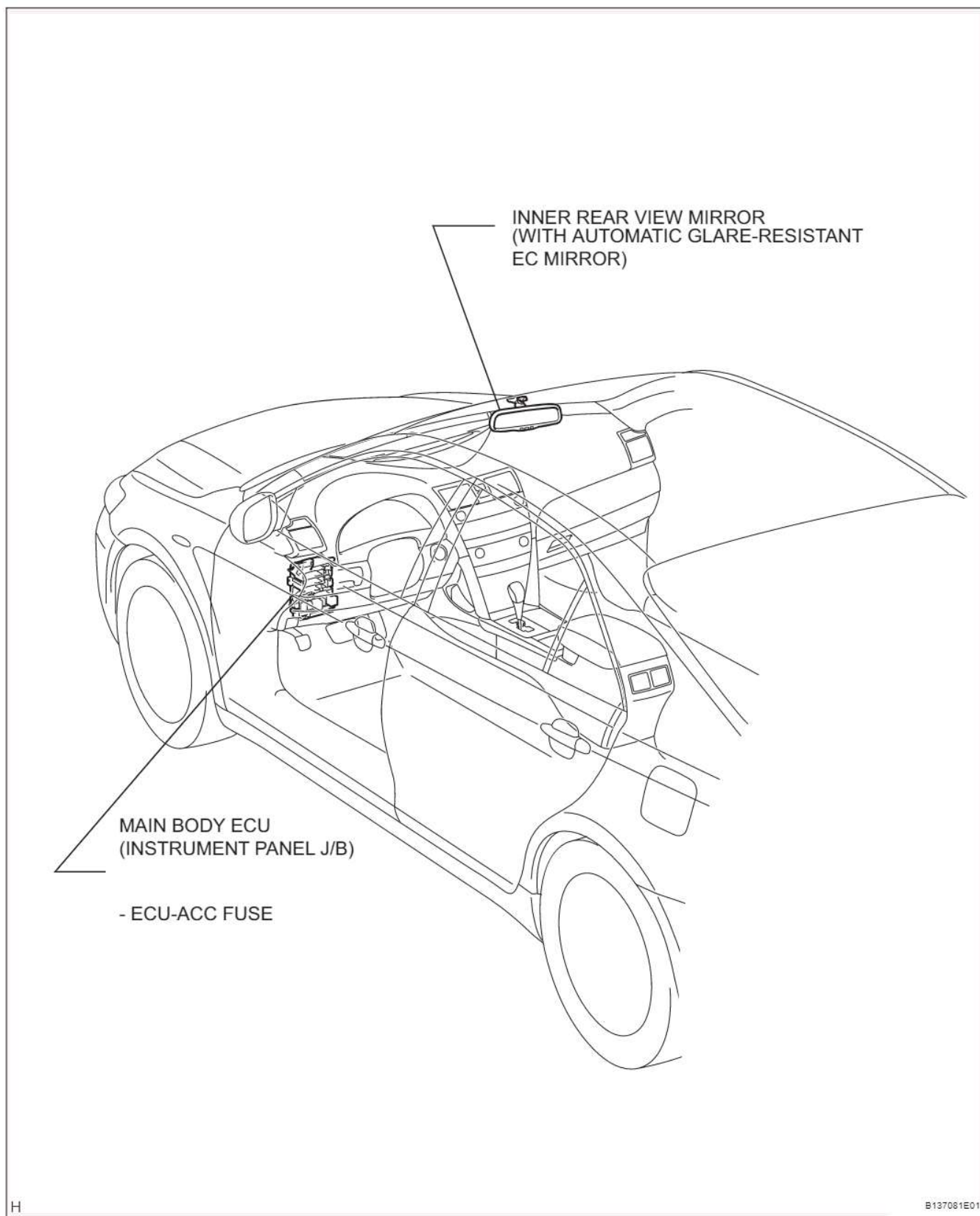
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H

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INNER REAR VIEW MIRROR

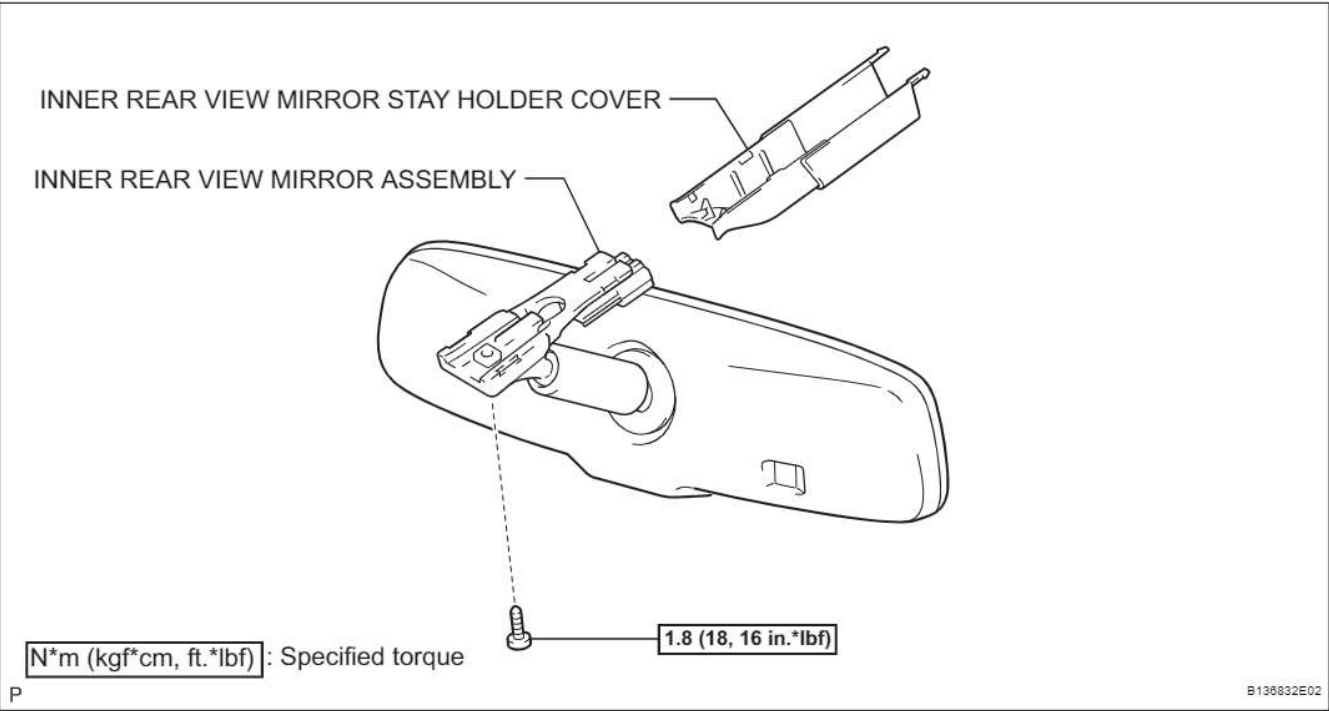
PARTS LOCATION



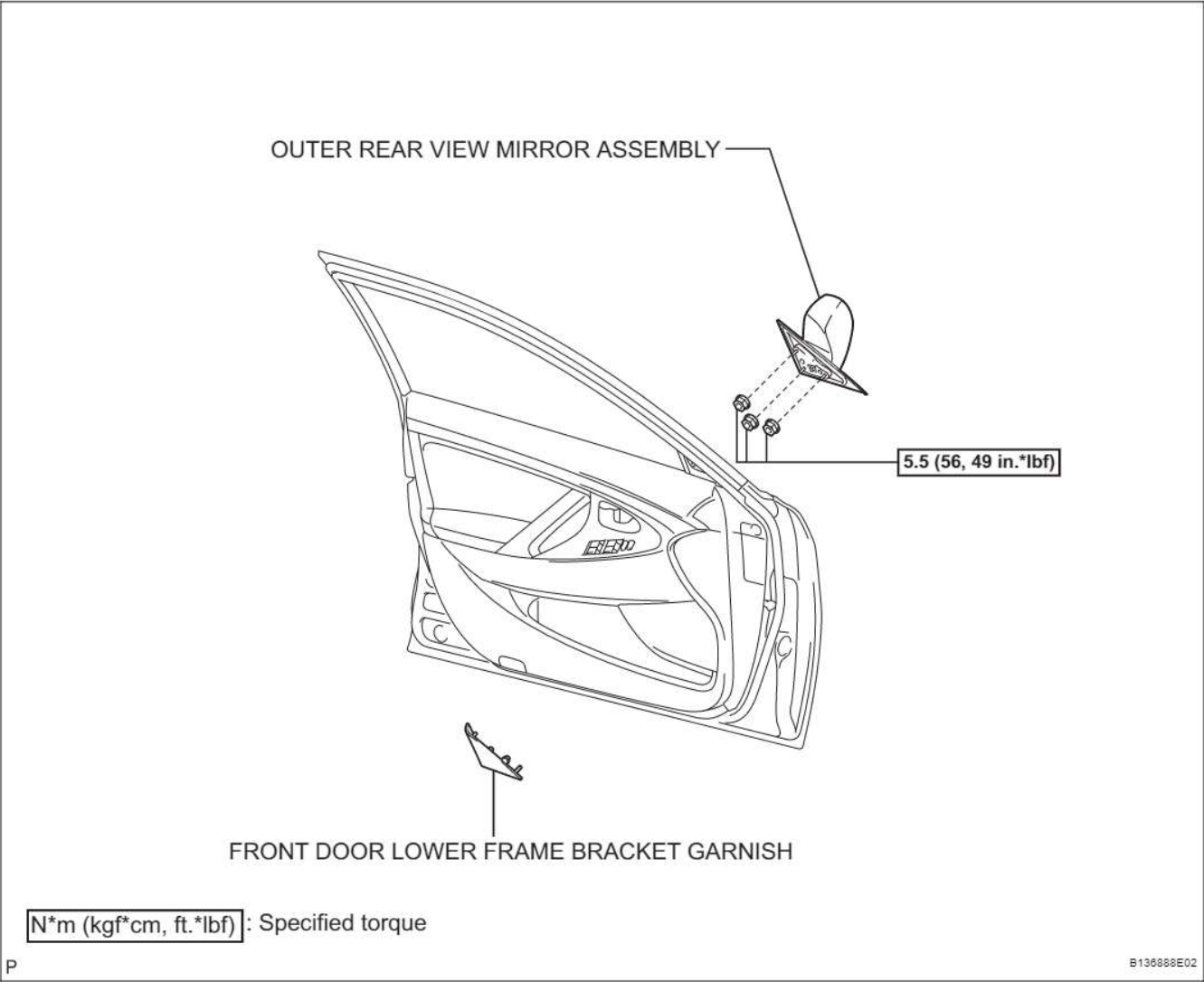
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MIRROR – INNER REAR VIEW MIRROR

COMPONENTS



OUTER REAR VIEW MIRROR
COMPONENTS



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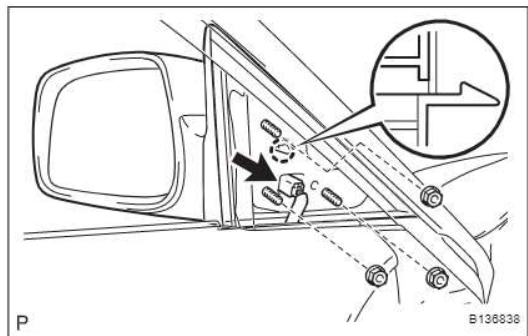
REMOVAL

1. REMOVE FRONT DOOR LOWER FRAME BRACKET GARNISH (See page ED-41)
2. REMOVE OUTER REAR VIEW MIRROR ASSEMBLY

(a) Disconnect the connector.

(b) Remove the 3 nuts.

(c) Disengage the claw and remove the outer rear view mirror assembly.



INSPECTION

1. INSPECT OUTER REAR VIEW MIRROR ASSEMBLY RH

(a) Inspect outer mirror motor operation.

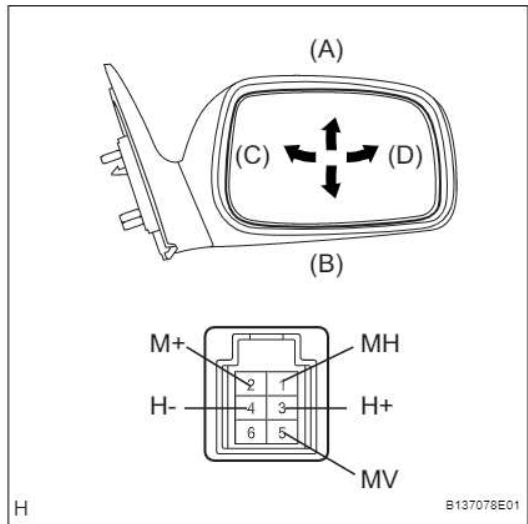
(1) Apply battery voltage and check operation of the mirror face, as shown in the table and illustration.
- Standard

Measurement Condition	Specified Condition
Battery positive (+) → Terminal 5 (MV) Battery negative (-) → Terminal 2 (M+)	Turns upward (A)
Battery positive (+) → Terminal 2 (M+) Battery negative (-) → Terminal 5 (MV)	Turns downward (B)
Battery positive (+) → Terminal 1 (MH) Battery negative (-) → Terminal 2 (M+)	Turns left (C)
Battery positive (+) → Terminal 2 (M+) Battery negative (-) → Terminal 1 (MH)	Turns right (D)

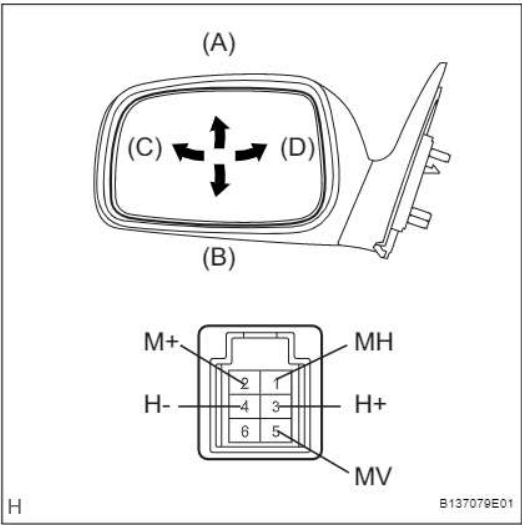
- (b) Inspect outer mirror heater operation.

(1) Apply battery voltage and check operation of the mirror face, as shown in the table below.
- Standard

Measurement Condition	Specified Condition
Battery positive (+) → Terminal 3 (H+) Battery negative (-) → Terminal 4 (H-)	Mirror surface temperature becomes higher



MIRROR – OUTER REAR VIEW MIRROR



2. INSPECT OUTER REAR VIEW MIRROR ASSEMBLY LH

- (a) Inspect outer mirror motor operation.
- (1) Remove the outer rear view mirror assembly.
 - (2) Apply battery voltage and check operation of the mirror face, as shown in the table and illustration.

Standard

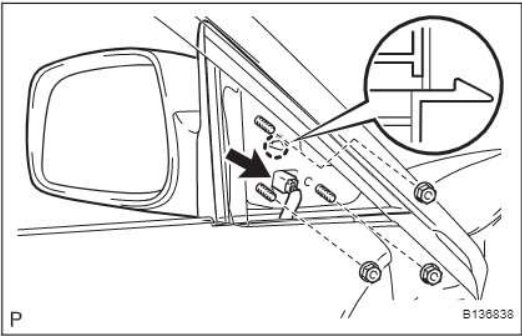
Measurement Condition	Specified Condition
Battery positive (+) → Terminal 5 (MV) Battery negative (-) → Terminal 2 (M+)	Turns upward (A)
Battery positive (+) → Terminal 2 (M+) Battery negative (-) → Terminal 5 (MV)	Turns downward (B)
Battery positive (+) → Terminal 1 (MH) Battery negative (-) → Terminal 2 (M+)	Turns left (C)
Battery positive (+) → Terminal 2 (M+) Battery negative (-) → Terminal 1 (MH)	Turns right (D)

- (b) Inspect outer mirror heater operation.
- (1) Apply battery voltage and check operation of the mirror face, as shown in the table below.

Standard

Measurement Condition	Specified Condition
Battery positive (+) → Terminal 3 (H+) Battery negative (-) → Terminal 4 (H-)	Mirror surface temperature becomes higher

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INSTALLATION

1. INSTALL OUTER REAR VIEW MIRROR ASSEMBLY

- (a) Engage the claw to install the outer rear view mirror assembly.
- (b) Install the outer rear view mirror assembly with the 3 nuts.
- Torque: 5.5 N*m (56 kgf*cm, 49 in.*lbf)**
- (c) Connect the connector.

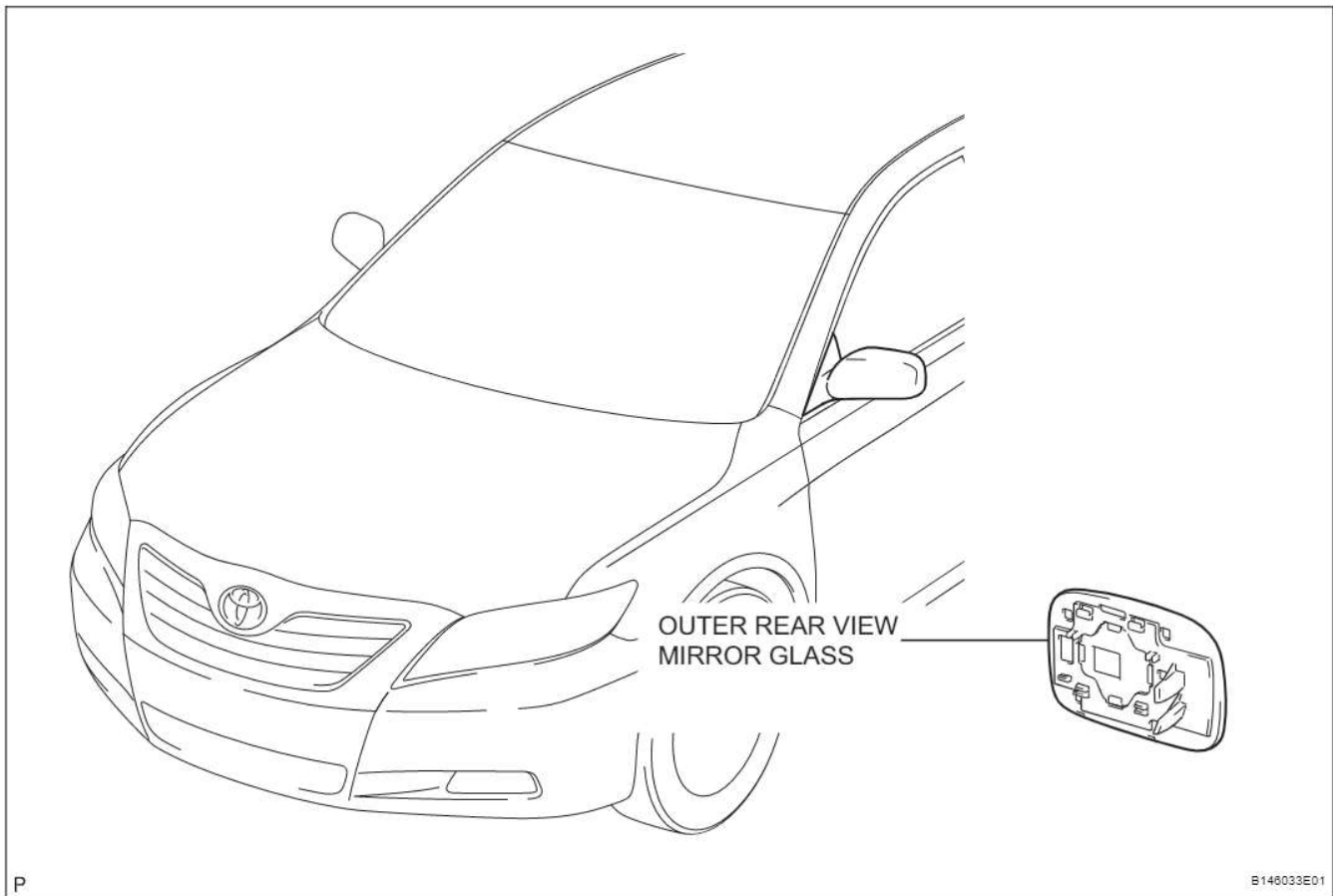
2. INSTALL FRONT DOOR LOWER FRAME BRACKET GARNISH (See page ED-60)

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MIRROR – OUTER REAR VIEW MIRROR GLASS

OUTER REAR VIEW MIRROR GLASS

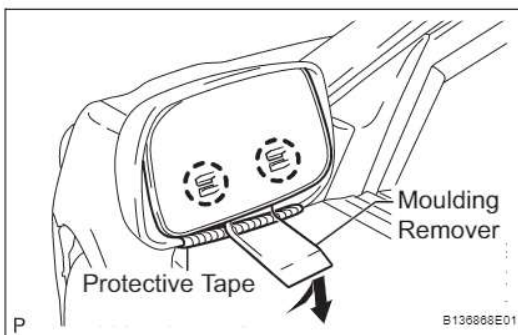
COMPONENTS



REPLACEMENT

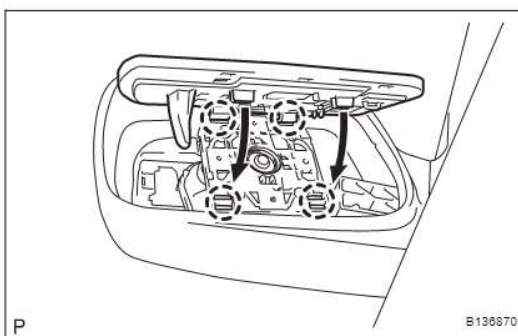
1. REMOVE OUTER REAR VIEW MIRROR GLASS

- Push the upper part of the mirror surface and tilt it.
- Using a moulding remover, disengage the 2 claws at the lower part of the outer rear view mirror, and remove the outer rear view mirror glass.

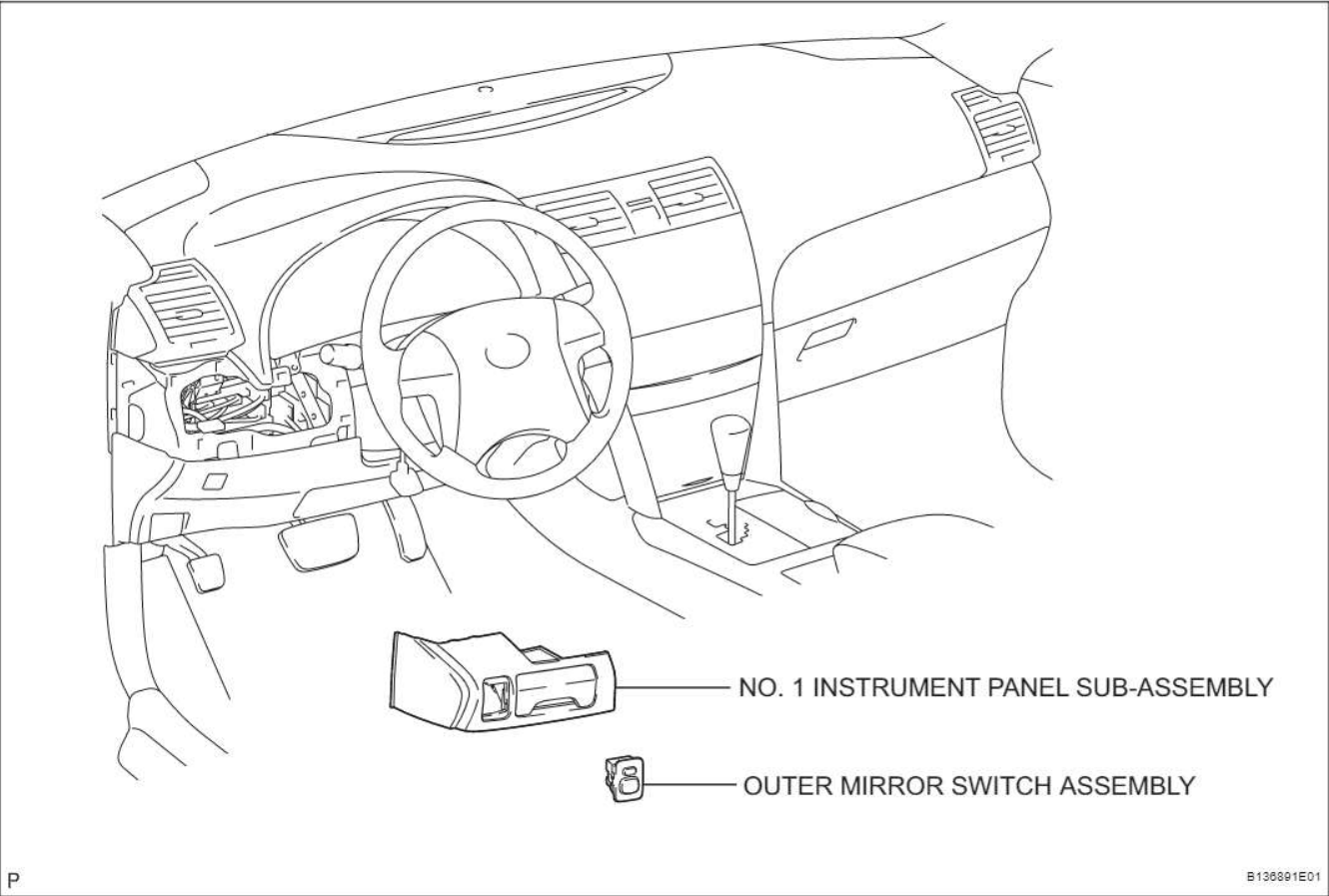


2. INSTALL OUTER REAR VIEW MIRROR GLASS

- Engage the 2 claws on the upper part of the outer rear view mirror glass to the outer rear view mirror.
- Engage the 2 claws on the lower part of the outer rear view mirror glass to the outer rear view mirror as shown in the illustration.

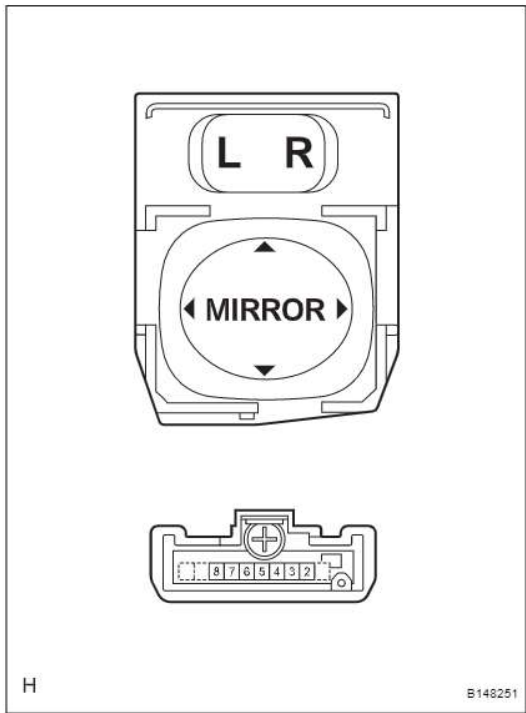
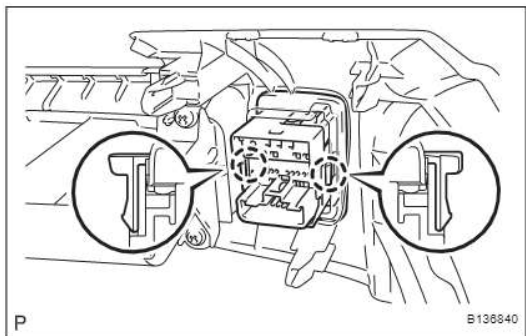


OUTER MIRROR SWITCH
COMPONENTS



REMOVAL

- 1. REMOVE NO. 1 INSTRUMENT PANEL SUB-ASSEMBLY (See page IP-12)
- 2. REMOVE OUTER MIRROR SWITCH ASSEMBLY
 - (a) Disengage the 2 claws and remove the outer mirror switch assembly.



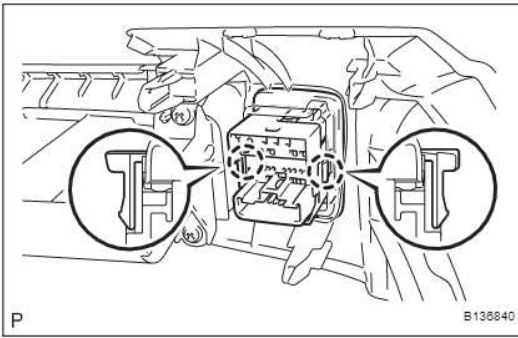
INSPECTION

- 1. INSPECT OUTER MIRROR SWITCH ASSEMBLY
 - (a) Inspect the outer mirror switch.
 - (1) Measure the resistance according to the value(s) in the table below when the switch is operated.
- Standard resistance:**
Select "L" on the left/right adjustment switch

Tester Connection	Switch Position	Specified Condition
4 - 8	UP	Below 1 Ω
6 - 7		
4 - 7	DOWN	
6 - 8		
5 - 8	LEFT	
6 - 7		
5 - 7	RIGHT	
6 - 8		

Select "R" on the left/right adjustment switch

Tester Connection	Switch Position	Specified Condition
3 - 8	UP	Below 1 Ω
6 - 7		
3 - 7	DOWN	
6 - 8		
2 - 8	LEFT	
6 - 7		
2 - 7	RIGHT	
6 - 8		

MIRROR – OUTER MIRROR SWITCH**MI-19****INSTALLATION**

1. **INSTALL OUTER MIRROR SWITCH ASSEMBLY**
 - (a) Engage the 2 claws and install the outer mirror switch assembly.
2. **INSTALL NO. 1 INSTRUMENT PANEL SUB-ASSEMBLY** (See page [IP-34](#))

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