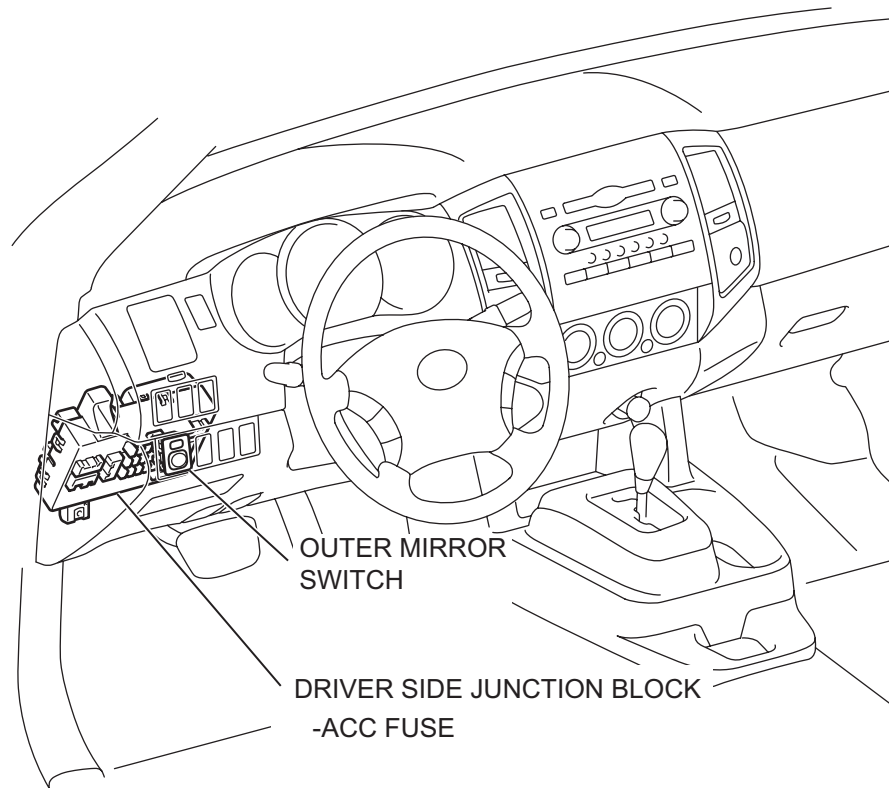
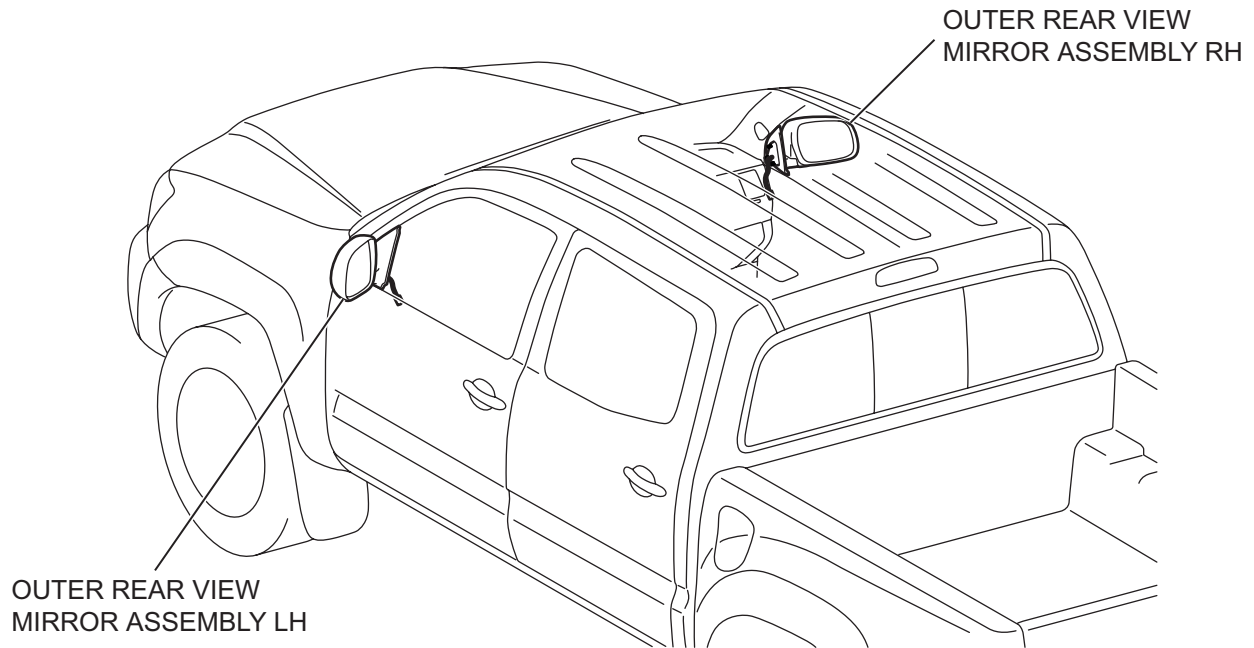


POWER MIRROR CONTROL SYSTEM

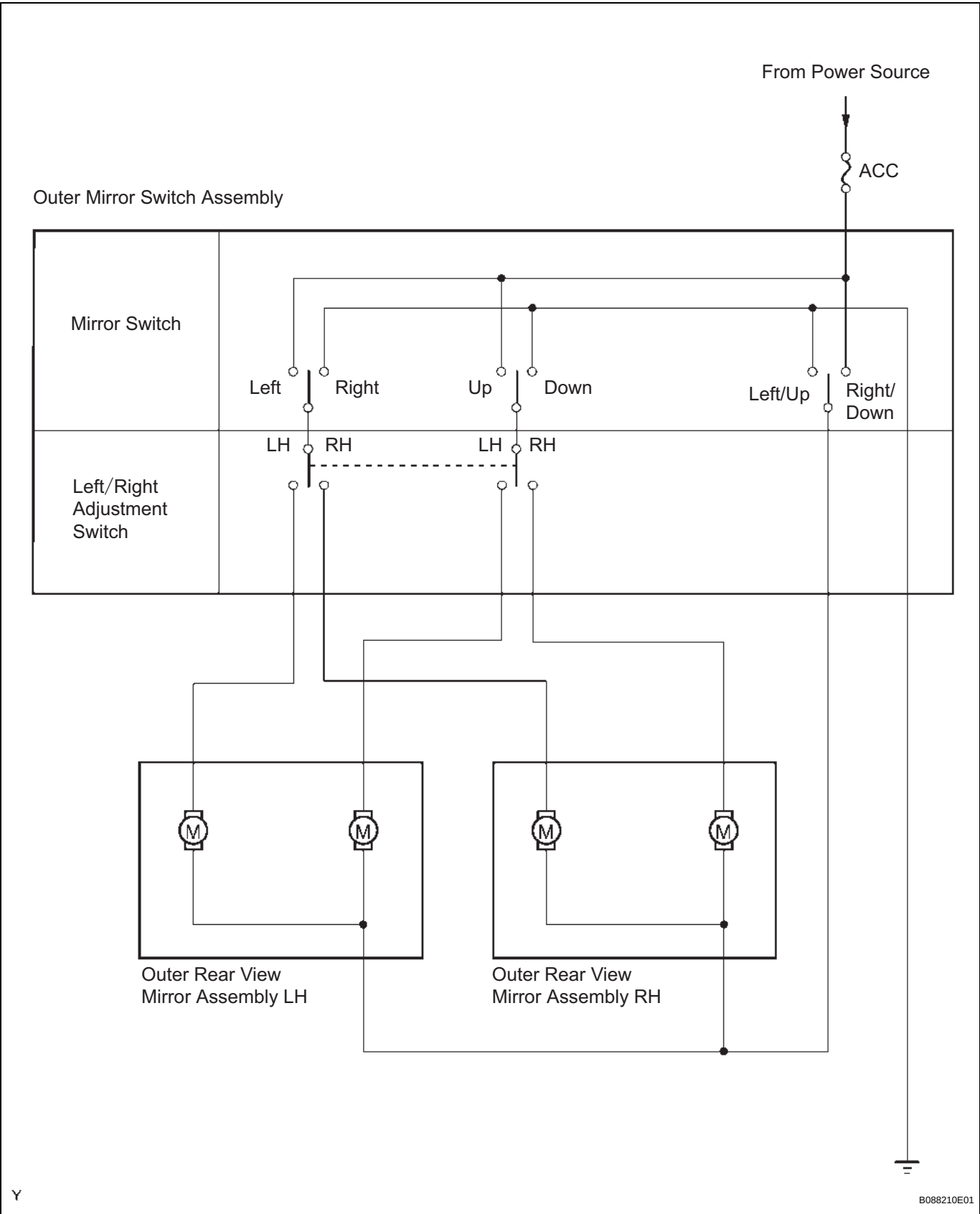
PARTS LOCATION



MI

SYSTEM DIAGRAM

MI



PROBLEM SYMPTOMS TABLE

Symptom	Suspected area	See page
Mirror dose not operate	ACC fuse	
	Outer mirror switch assembly	MI-11
	Outer rear view mirror assembly LH	MI-9
	Outer rear view mirror assembly RH	MI-9
	Wire harness	
Mirror operate abnormally	ACC fuse	
	Outer mirror switch assembly	MI-11
	Outer rear view mirror assembly LH	MI-9
	Outer rear view mirror assembly RH	MI-9
	Wire harness	

INNER REAR VIEW MIRROR

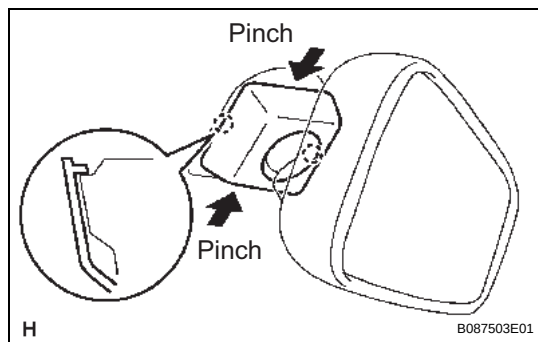
REMOVAL

1. **DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL (w/ EC Mirror)**

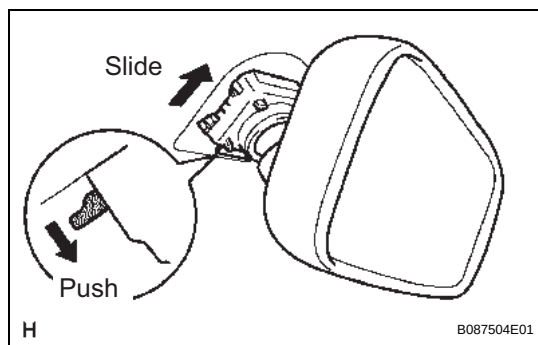
2. **REMOVE INNER REAR VIEW MIRROR ASSEMBLY**

(a) w/o Automatic glare-resistant EC mirror:

- (1) Pinch the cover and disengage the 2 claws, and remove the cover.

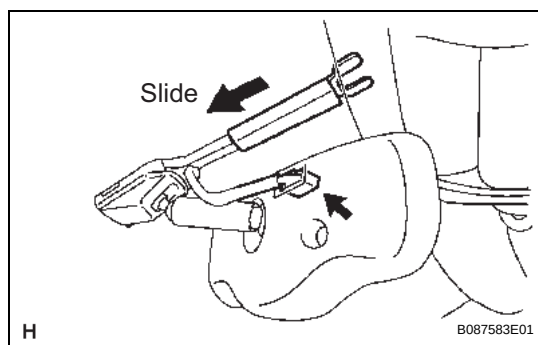


- (2) Push the lever, and slide and remove the inner rear view mirror.

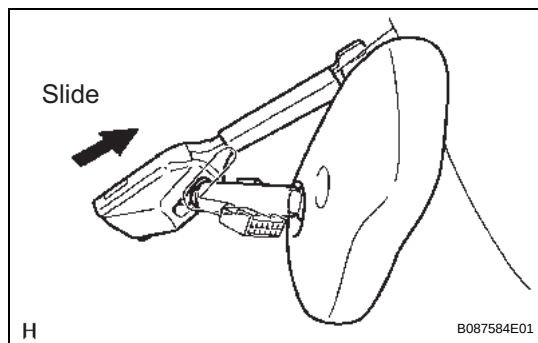


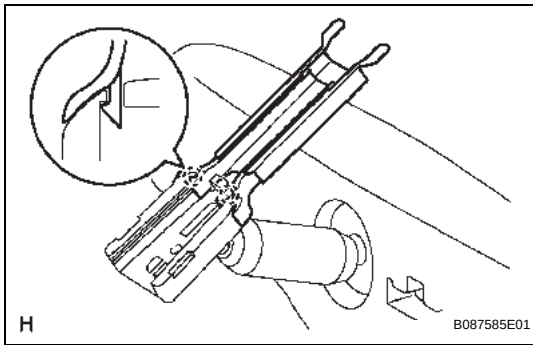
(b) w/ Automatic glare-resistant EC mirror.

- (1) Disconnect the EC mirror connector.
- (2) Slide the inner rear view mirror cover.



- (3) Slide the inner rear view mirror.



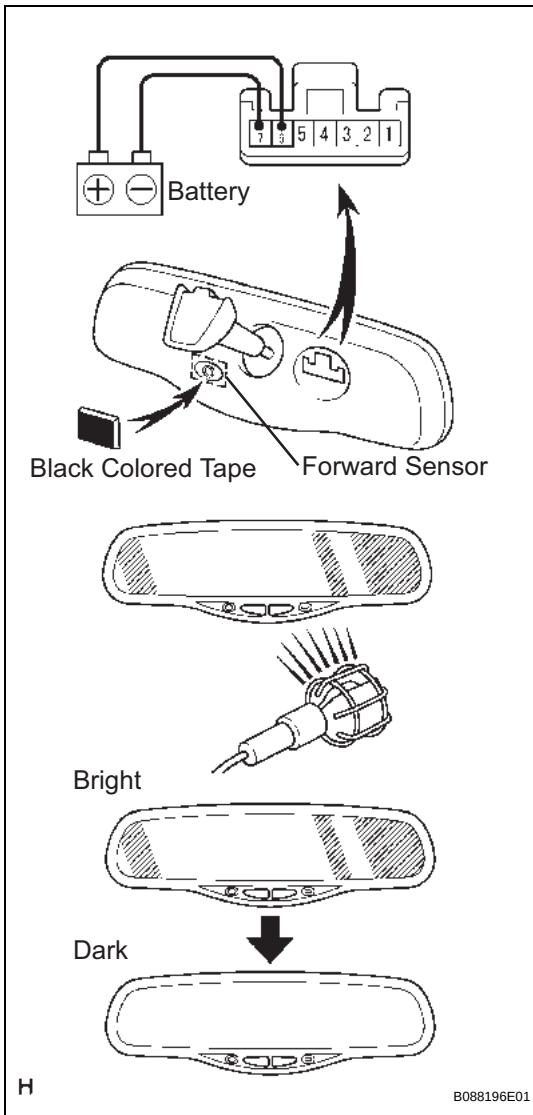


- (4) Disengage the 2 claws and remove the inner rear view mirror cover.

INSPECTION

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

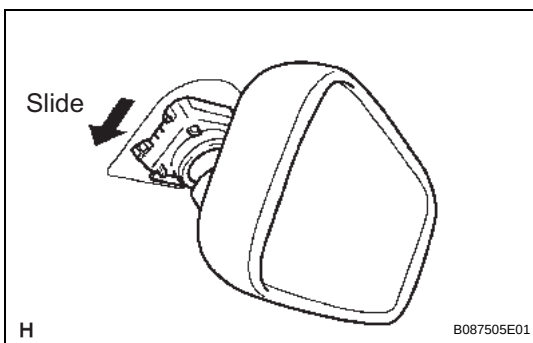
- (a) Check the operation.
- (1) Connect the battery's positive (+) lead to terminal 6 and the negative (-) lead to terminal 7.
 - (2) Apply black colored tape to the forward sensor to prevent it from sensing.
 - (3) Light up the mirror with an electric light, and check that the mirror surface changes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

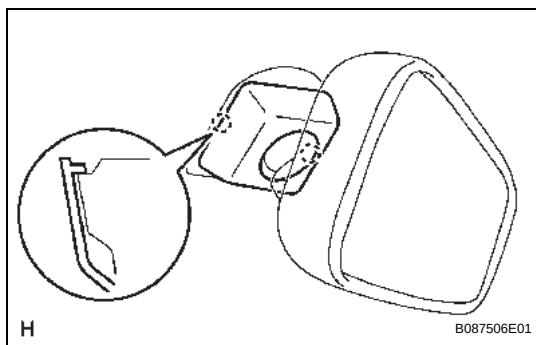


INSTALLATION

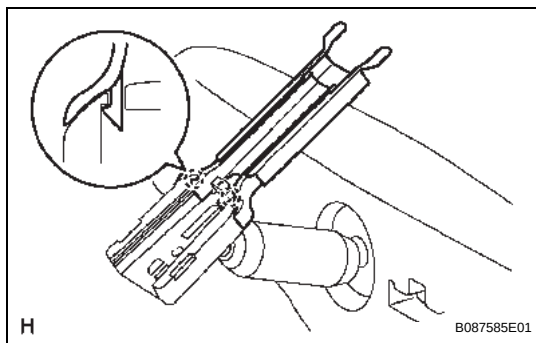
1. INSTALL INNER REAR VIEW MIRROR ASSEMBLY

- (a) w/o Automatic glare-resistant EC mirror:
- (1) Slide and install the inner rear view mirror.



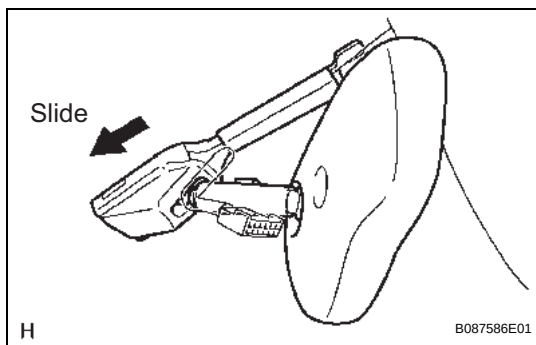


(2) Engage the 2 claws and install the cover.

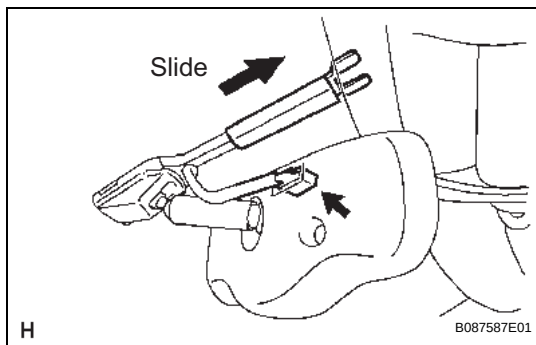


(b) w/ Automatic glare-resistant EC mirror:

(1) Engage the 2 claws and install the inner rear view mirror cover.



(2) Slide and install the inner rear view mirror.



(3) Slide the inner rear view mirror cover.

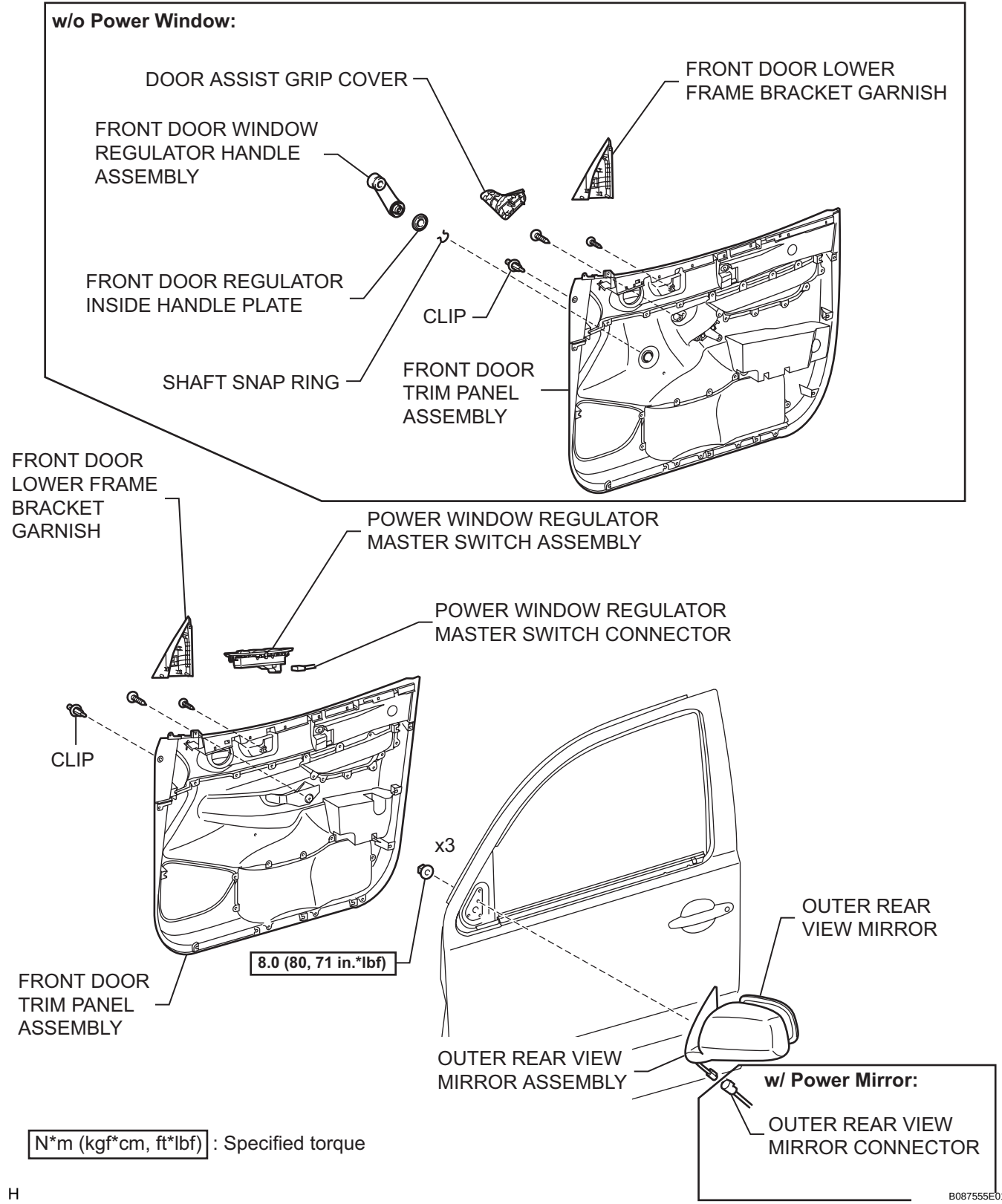
(4) Connect the EC mirror connector.

2. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL (w/ EC Mirror)

Torque: 3.9 N*m (40 kgf*cm, 35 in.*lbf)

OUTER REAR VIEW MIRROR

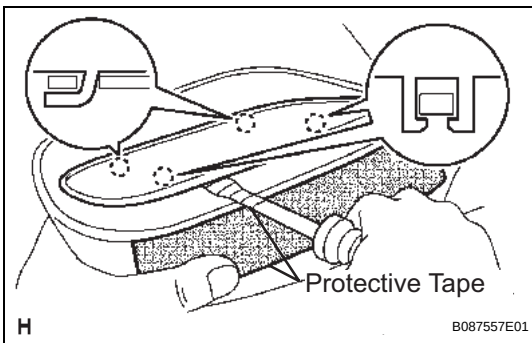
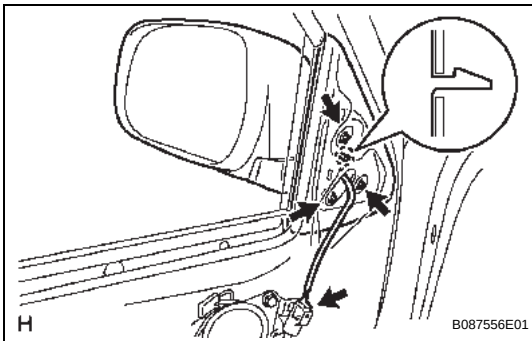
COMPONENTS



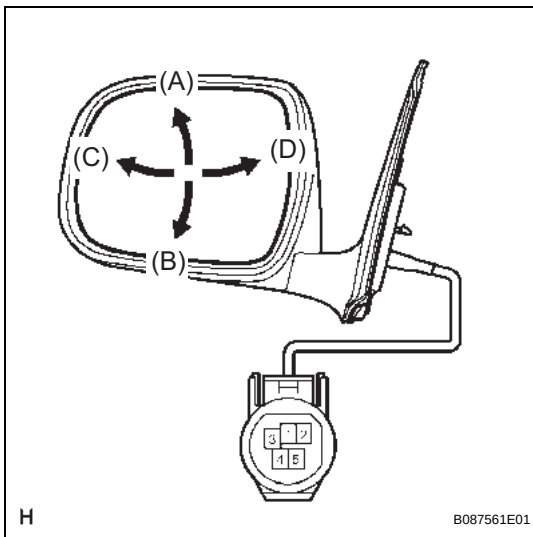
MI

REMOVAL

1. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL
2. REMOVE FRONT DOOR LOWER FRAME BRACKET GARNISH (w/ Power Window) (See page [ED-13](#))
3. REMOVE FRONT DOOR LOWER FRAME BRACKET GARNISH (w/o Power Window) (See page [ED-34](#))
4. REMOVE FRONT DOOR WINDOW REGULATOR HANDLE ASSEMBLY (See page [ED-34](#))
5. REMOVE POWER WINDOW REGULATOR MASTER SWITCH ASSEMBLY (for Double Cab) (See page [ED-13](#))
6. REMOVE POWER WINDOW REGULATOR MASTER SWITCH ASSEMBLY (for Access Cab) (See page [ED-13](#))
7. REMOVE FRONT DOOR TRIM PANEL ASSEMBLY (w/ Power Window) (See page [ED-14](#))
8. REMOVE FRONT DOOR TRIM PANEL ASSEMBLY (w/o Power Window) (See page [ED-35](#))
9. REMOVE OUTER REAR VIEW MIRROR ASSEMBLY
 - (a) Disconnect the outer rear view mirror connector (w/ Power mirror).
 - (b) Remove the 3 nuts.
 - (c) Disengage the claw and remove the outer rear view mirror.



10. REMOVE OUTER REAR VIEW MIRROR
 - (a) Apply protective tape to the outer circumference of the outer rear view mirror, as shown in the illustration.
 - (b) Using a screwdriver with its tip taped in protective tape, disengage the 2 claws.
 - (c) Disengage the 2 claws and remove the outer rear view mirror.



INSPECTION

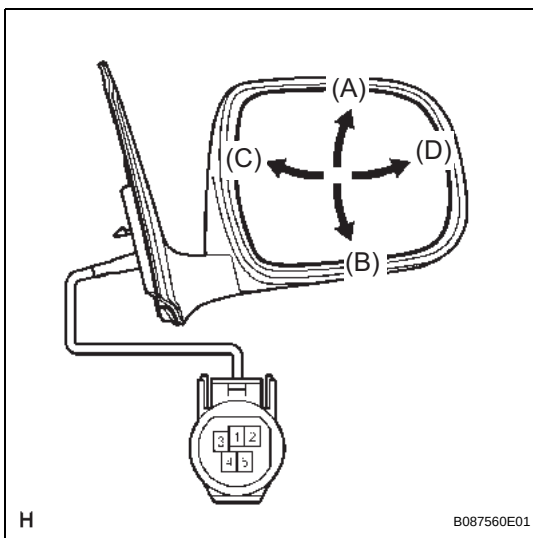
1. INSPECT OUTER REAR VIEW MIRROR ASSEMBLY LH

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

Standard

Measurement Condition	Mirror Operation
Battery positive (+) - 3 (MV) Battery negative (-) - 1 (M+)	Turns upward (A)
Battery positive (+) - 1 (M+) Battery negative (-) - 3 (MV)	Turns downward (B)
Battery positive (+) - 2 (MH) Battery negative (-) - 1 (M+)	Turns left (C)
Battery positive (+) - 1 (M+) Battery negative (-) - 2 (MH)	Turns right (D)

If the result is not as specified, replace the outer rear view mirror.



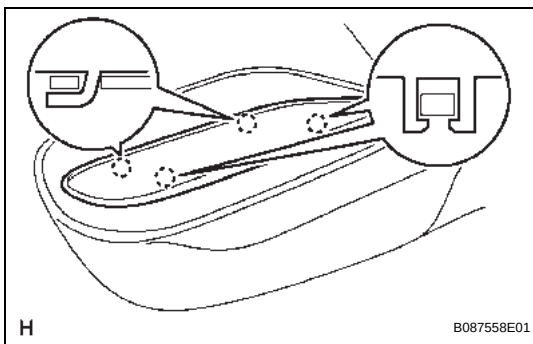
2. INSPECT OUTER REAR VIEW MIRROR ASSEMBLY RH

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

Standard

Measurement Condition	Mirror Operation
Battery positive (+) - 3 (MV) Battery negative (-) - 1 (M+)	Turns upward (A)
Battery positive (+) - 1 (M+) Battery negative (-) - 3 (MV)	Turns downward (B)
Battery positive (+) - 2 (MH) Battery negative (-) - 1 (M+)	Turns left (C)
Battery positive (+) - 1 (M+) Battery negative (-) - 2 (MH)	Turns right (D)

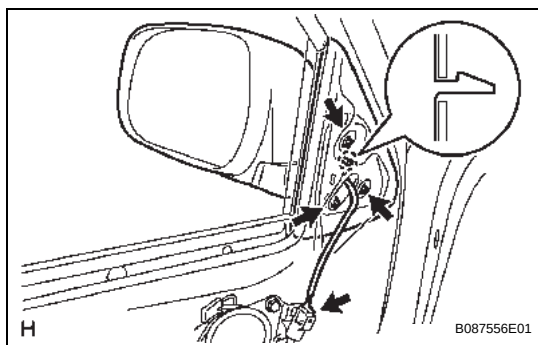
If the result is not as specified, replace the outer rear view mirror.



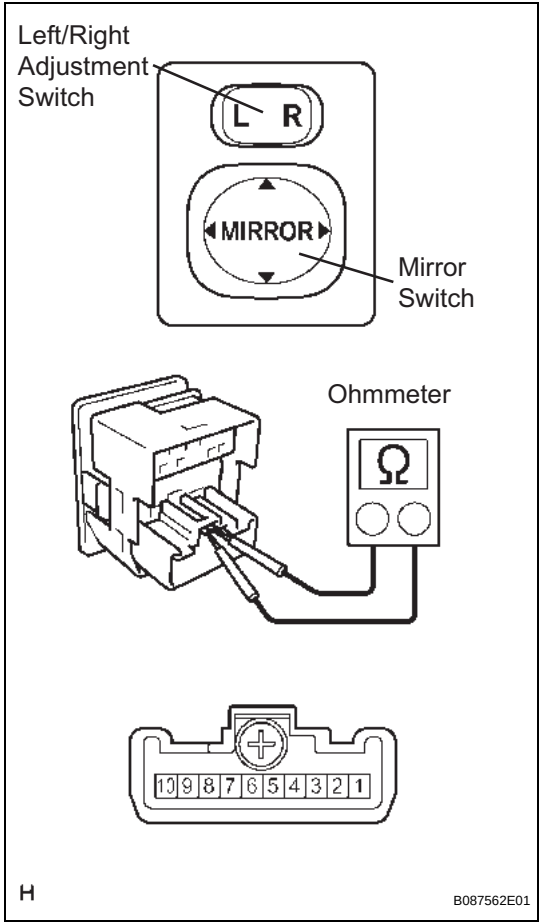
INSTALLATION

1. REMOVE OUTER REAR VIEW MIRROR

- (a) Engage the 2 claws into the outer rear view mirror.
- (b) Engage the 2 claws and install the outer rear view mirror.



2. **REMOVE OUTER REAR VIEW MIRROR ASSEMBLY**
 - (a) Engage the claw and install the outer rear view mirror.
 - (b) Tighten the 3 nuts.
Torque: 8.0 N*m (80 kgf*cm, 71 in.*lbf)
 - (c) Connect the outer rear view mirror connector (w/ Power Mirror).
3. **REMOVE FRONT DOOR TRIM PANEL ASSEMBLY (w/ Power Window)** (See page [ED-29](#))
4. **REMOVE FRONT DOOR TRIM PANEL ASSEMBLY (w/o Power Window)** (See page [ED-48](#))
5. **REMOVE POWER WINDOW REGULATOR MASTER SWITCH ASSEMBLY (for Double Cab)** (See page [ED-30](#))
6. **REMOVE POWER WINDOW REGULATOR MASTER SWITCH ASSEMBLY (for Access Cab)** (See page [ED-30](#))
7. **REMOVE FRONT DOOR WINDOW REGULATOR HANDLE ASSEMBLY** (See page [ED-49](#))
8. **REMOVE FRONT DOOR LOWER FRAME BRACKET GARNISH (w/ Power Window)** (See page [ED-30](#))
9. **REMOVE FRONT DOOR LOWER FRAME BRACKET GARNISH (w/o Power Window)** (See page [ED-49](#))
10. **CONNECT CABLE TO NEGATIVE BATTERY TERMINAL**
Torque: 3.9 N*m (40 kgf*cm, 35 in.*lbf)



OUTER MIRROR SWITCH

INSPECTION

1. INSPECT OUTER MIRROR SWITCH ASSEMBLY

- (a) Check the resistance.
- (1) Press L on the left/right adjustment switch.
 - (2) Using an ohmmeter, measure the resistance between the terminals.

Standard

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

If the result is not as specified, replace the outer mirror switch.

- (3) Press R on the left/right adjustment switch.
- (4) Using an ohmmeter, measure the resistance between the terminals.

Standard

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

If the result is not as specified, replace the outer mirror switch.