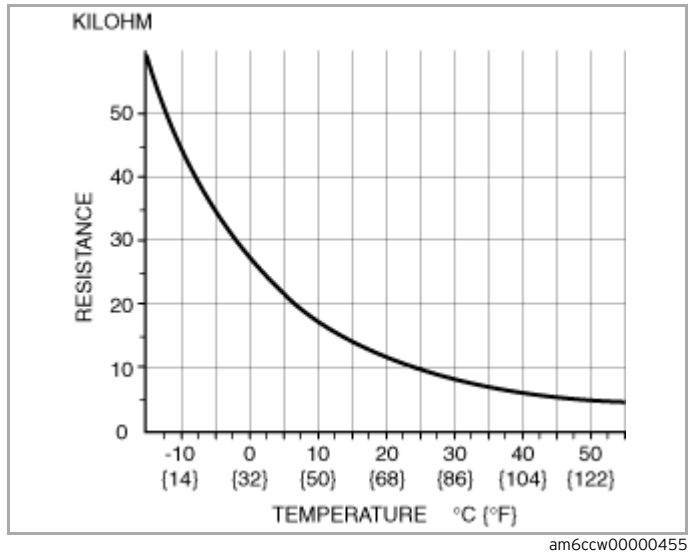


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FactoryManuals.net is a great resource for anyone who wants to save money on repairs by doing their own work. The manuals provide detailed instructions and diagrams that make it easy to understand how to fix a vehicle.

2018 MAZDA 3 / Axela Sedan OEM Service and Repair Workshop Manual

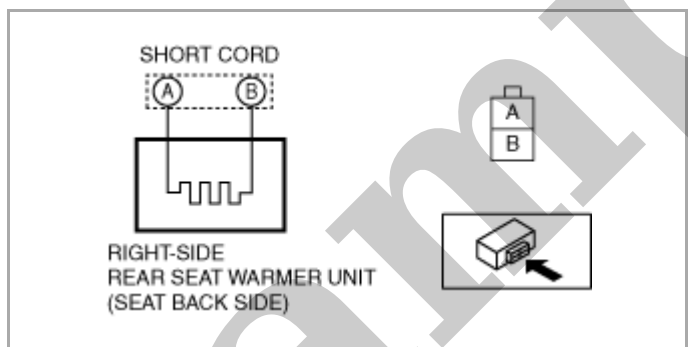
[Go to manual page](#)



- If the thermistor characteristic is not as shown in the graph, replace the rear seat cushion pad. (See **REAR SEAT CUSHION TRIM REMOVAL/INSTALLATION.**)

Seat back side

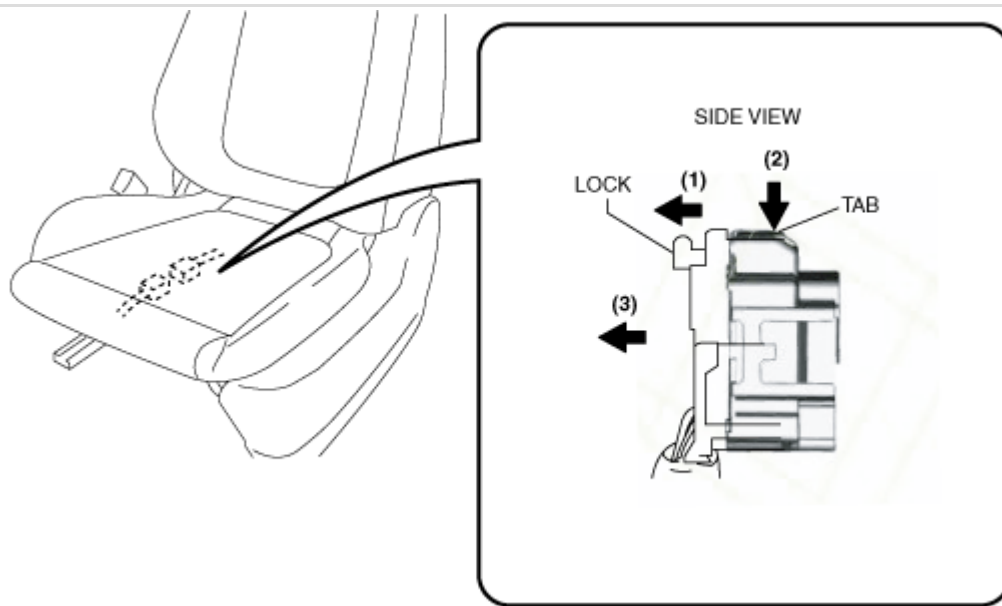
1. Switch the ignition to off.
2. Disconnect the negative battery terminal and wait for 1 min or more. (See **NEGATIVE BATTERY TERMINAL DISCONNECTION/CONNECTION.**)
3. Disconnect the right-side seat warmer unit connector.
4. Inspect for continuity between the right-side seat warmer unit connector (short cord) terminal A and B.



○—○: CONTINUITY		
STATUS	TERMINAL	
	A	B
UNDER ANY CONDITION	○—○	○—○

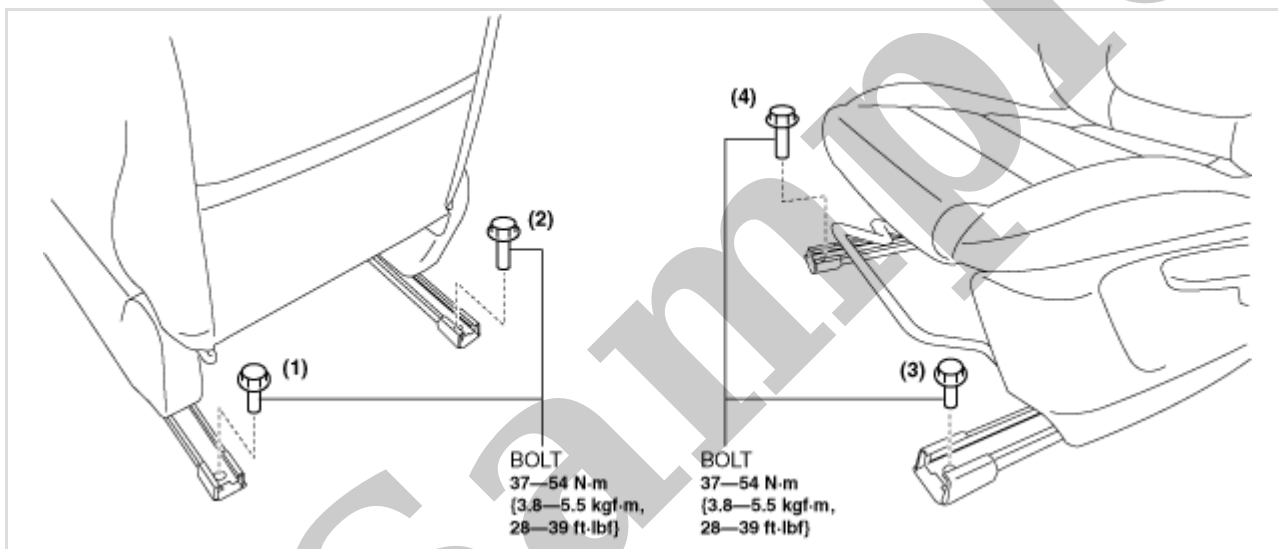
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- If not as specified, replace the rear seat back pad. (See **REAR SEAT BACK TRIM REMOVAL/INSTALLATION.**)



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4.Remove the bolts and remove the front seat.



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5.Install in the reverse order of removal.

POWER SEAT SWITCH INSPECTION

SM2899327

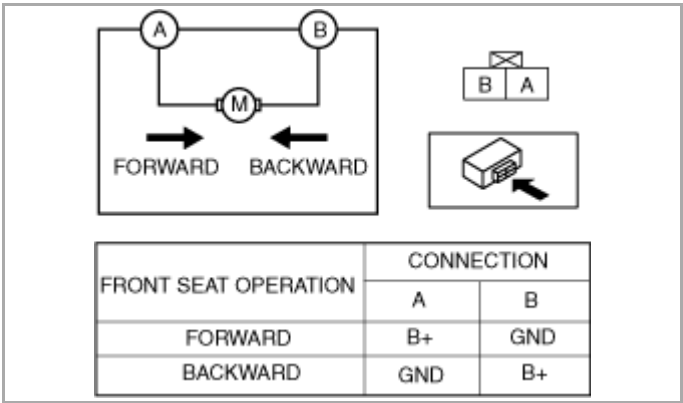
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Warning

- Handling a side air bag improperly can accidentally operate (deploy) the air bag, which may seriously injure you. Read the service warnings/cautions in the Workshop Manual before handling the front seat (side air bag integrated). (See [AIR BAG SYSTEM SERVICE WARNINGS \[TWO-STEP DEPLOYMENT CONTROL SYSTEM - US/CANADA/ISRAEL SPEC.\]](#).) (See [AIR BAG SYSTEM SERVICE CAUTIONS \[TWO-STEP DEPLOYMENT CONTROL SYSTEM - US/CANADA/ISRAEL SPEC.\]](#).) (See [AIR BAG SYSTEM SERVICE WARNINGS \[STANDARD DEPLOYMENT CONTROL SYSTEM - MEXICO SPEC.\]](#).) (See [AIR BAG SYSTEM SERVICE CAUTIONS \[STANDARD DEPLOYMENT CONTROL SYSTEM - MEXICO SPEC.\]](#).)

- 1.Switch the ignition OFF (LOCK).
- 2.Disconnect the negative battery terminal and wait for 1 min or more. (See [NEGATIVE BATTERY TERMINAL DISCONNECTION/CONNECTION.](#))
- 3.Remove the front seat side cover. (See [FRONT SEAT SIDE COVER REMOVAL/INSTALLATION.](#))
- 4.Remove the power seat switch. (See [POWER SEAT SWITCH REMOVAL/INSTALLATION.](#))
- 5.Verify that the continuity between the power seat switch terminals is as indicated in the table.
 - If not as indicated in the table, replace the power seat switch. (See [POWER SEAT SWITCH REMOVAL/INSTALLATION.](#))

5.Apply battery positive voltage to the lumbar support motor terminals and inspect the front seat operation.



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• If not as specified, replace the front seat back frame. (See **FRONT SEAT BACK FRAME REMOVAL/INSTALLATION.**)

REAR SEAT BACK LATCH REMOVAL/INSTALLATION

SM2899330

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Rear Seat Back Latch (LH,RH)

1. Disconnect the negative battery terminal. (See [NEGATIVE BATTERY TERMINAL DISCONNECTION/CONNECTION.](#))
2. Remove the following parts.

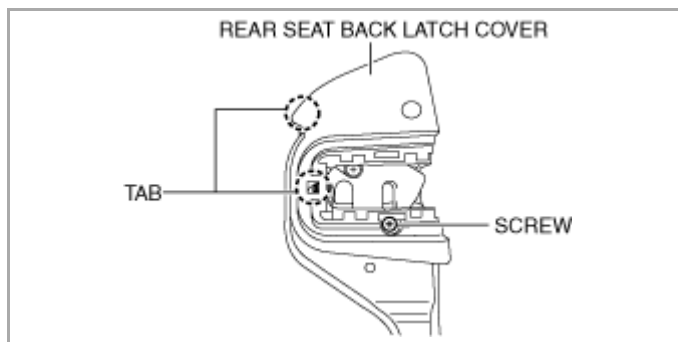
When removing the rear seat back latch (LH)

1. Trunk board (See [TRUNK BOARD REMOVAL/INSTALLATION.](#))
2. Sub-trunk (See [SUB-TRUNK REMOVAL/INSTALLATION.](#))
3. Rear seat cushion. (See [REAR SEAT CUSHION REMOVAL/INSTALLATION.](#))
4. Rear center seat belt lower anchor installation bolt (See [REAR CENTER SEAT BELT REMOVAL/INSTALLATION.](#))
5. Head restraint
6. Remote handle cable (With remote handle lever) (See [REMOTE HANDLE LEVER REMOVAL/INSTALLATION.](#))
7. Rear seat warmer control unit connector (With rear seat warmer system)
8. Rear seat back (See [REAR SEAT BACK REMOVAL/INSTALLATION.](#))
9. Rear seat back frame (See [REAR SEAT BACK FRAME REMOVAL/INSTALLATION.](#))

When removing the rear seat back latch (RH)

1. Trunk board (See [TRUNK BOARD REMOVAL/INSTALLATION.](#))
2. Sub-trunk (See [SUB-TRUNK REMOVAL/INSTALLATION.](#))
3. Rear center seat belt lower anchor installation bolt (See [REAR CENTER SEAT BELT REMOVAL/INSTALLATION.](#))
4. Head restraint
5. Remote handle cable (With remote handle lever) (See [REMOTE HANDLE LEVER REMOVAL/INSTALLATION.](#))
6. Rear seat warmer control unit connector (With rear seat warmer system)
7. Rear seat back (See [REAR SEAT BACK REMOVAL/INSTALLATION.](#))
8. Rear seat back frame (See [REAR SEAT BACK FRAME REMOVAL/INSTALLATION.](#))

3. Remove the screws.



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4. Disengage the tabs and remove the rear seat back latch cover.

7.Install in the reverse order of removal.

Sample

Terminal	Signal name	Connected to	Measured condition	Voltage (V)	Inspection item(s)
3O	Recliner position sensor power supply	Recliner position sensor	Recliner motor moving	B+	• Recliner motor and position sensor • Related wiring harnesses
			Recliner motor stopped	1.0 or less	
3P	Recliner motor pulse	Recliner position sensor	Measure the waveform while driving motor operation using the oscilloscope.	High output: 4.8 or more	• Recliner motor and position sensor • Related wiring harnesses
				Low output: 1.0 or less	
			Recliner motor stopped	1.0 or less or 4.8 or more	

Sample

FRONT DOOR LATCH SWITCH INSPECTION

SM2899384

id09140051140

- 1.Perform the front door glass preparation. (See FRONT DOOR GLASS REMOVAL/INSTALLATION.)
- 2.Disconnect the negative battery terminal. (See NEGATIVE BATTERY TERMINAL DISCONNECTION/CONNECTION.)
- 3.Remove the following parts:

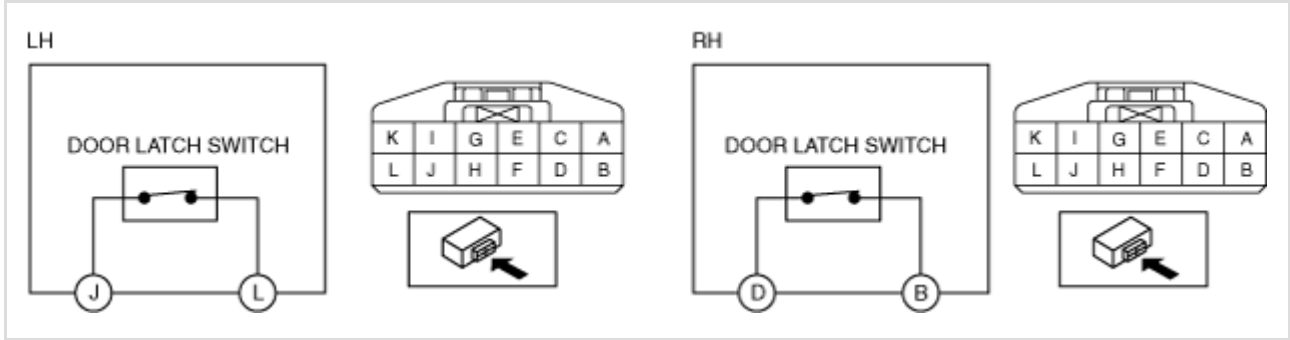
- (1)Front door trim (See FRONT DOOR TRIM REMOVAL/INSTALLATION.)
- (2)Front door speaker (See FRONT DOOR SPEAKER REMOVAL/INSTALLATION.)
- (3)Front door glass (See FRONT DOOR GLASS REMOVAL/INSTALLATION.)
- (4)Front door module panel (See FRONT DOOR MODULE PANEL REMOVAL/INSTALLATION.)
- (5)Front door key cylinder (See FRONT DOOR KEY CYLINDER REMOVAL/INSTALLATION.)
- (6)Front inner handle (See FRONT DOOR LATCH AND LOCK ACTUATOR REMOVAL/INSTALLATION.)
- (7)Front door latch and lock actuator (See FRONT DOOR LATCH AND LOCK ACTUATOR REMOVAL/INSTALLATION.)

4.Verify that the continuity is as indicated in the table.

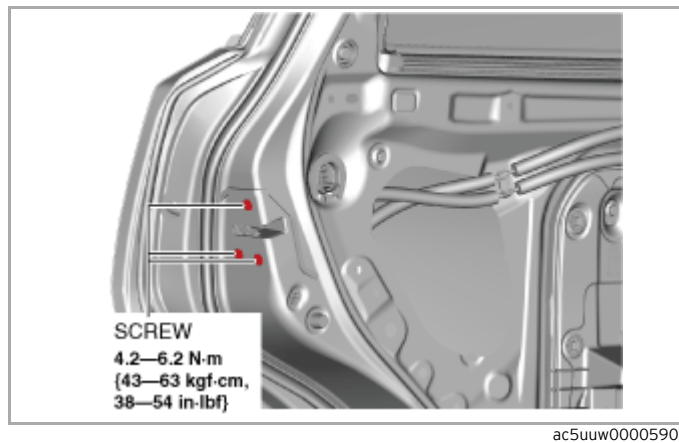
○—○: CONTINUITY

DOOR LATCH SWITCH	TERMINAL	
	LH:L RH:B	LH:J RH:D
LATCH		
UNLATCH	○—○	○—○

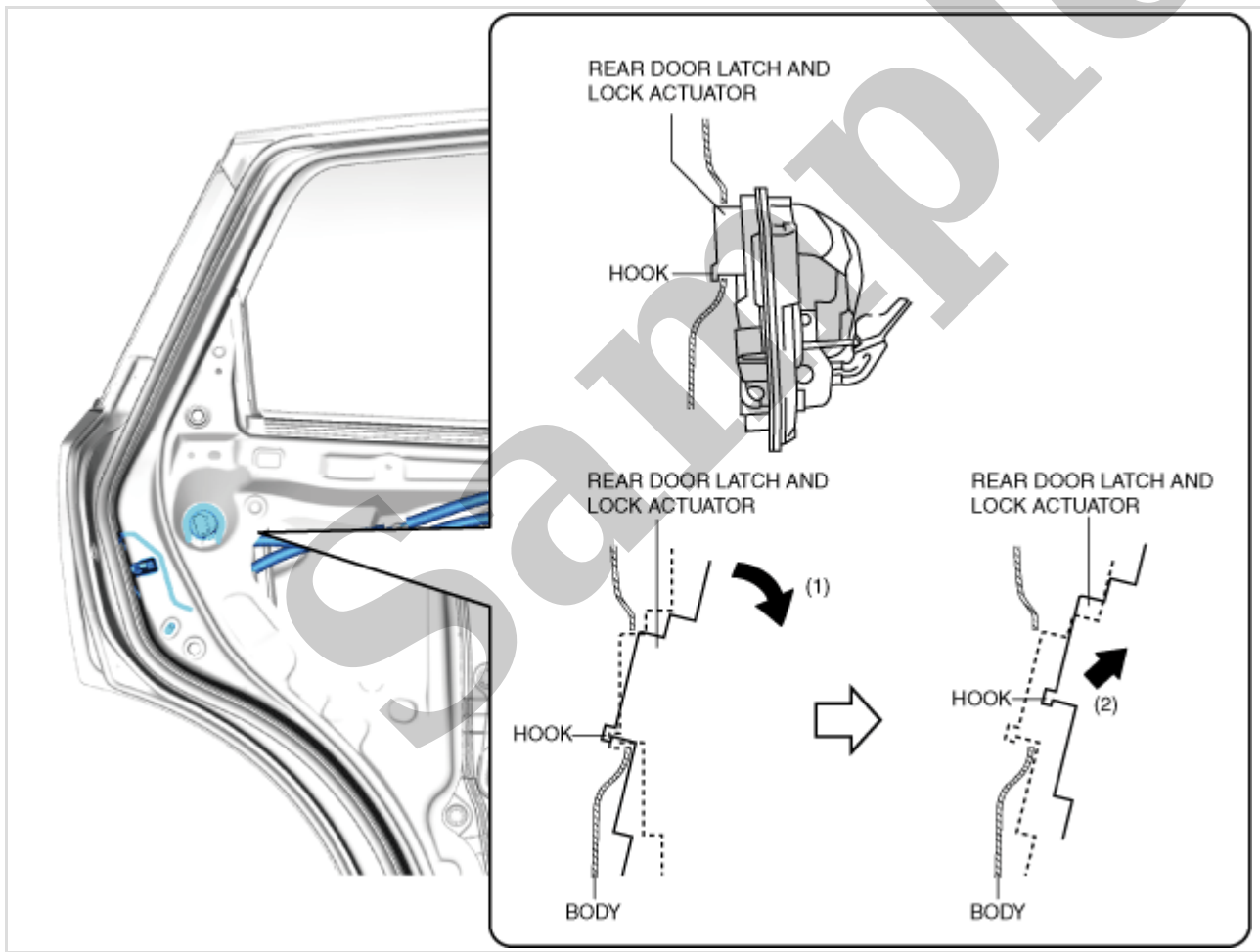
ac5jjw00000021



7.Remove the screws.



8.Tilt the rear door latch and lock actuator in the direction of arrow (1) shown in the figure and lift it in the direction of arrow (2) to detach the hook of the rear door latch and lock actuator.



9.Remove the rear door latch and lock actuator.

10.Install in the reverse order of removal.