SECTION SE
SEAT

CONTENTS

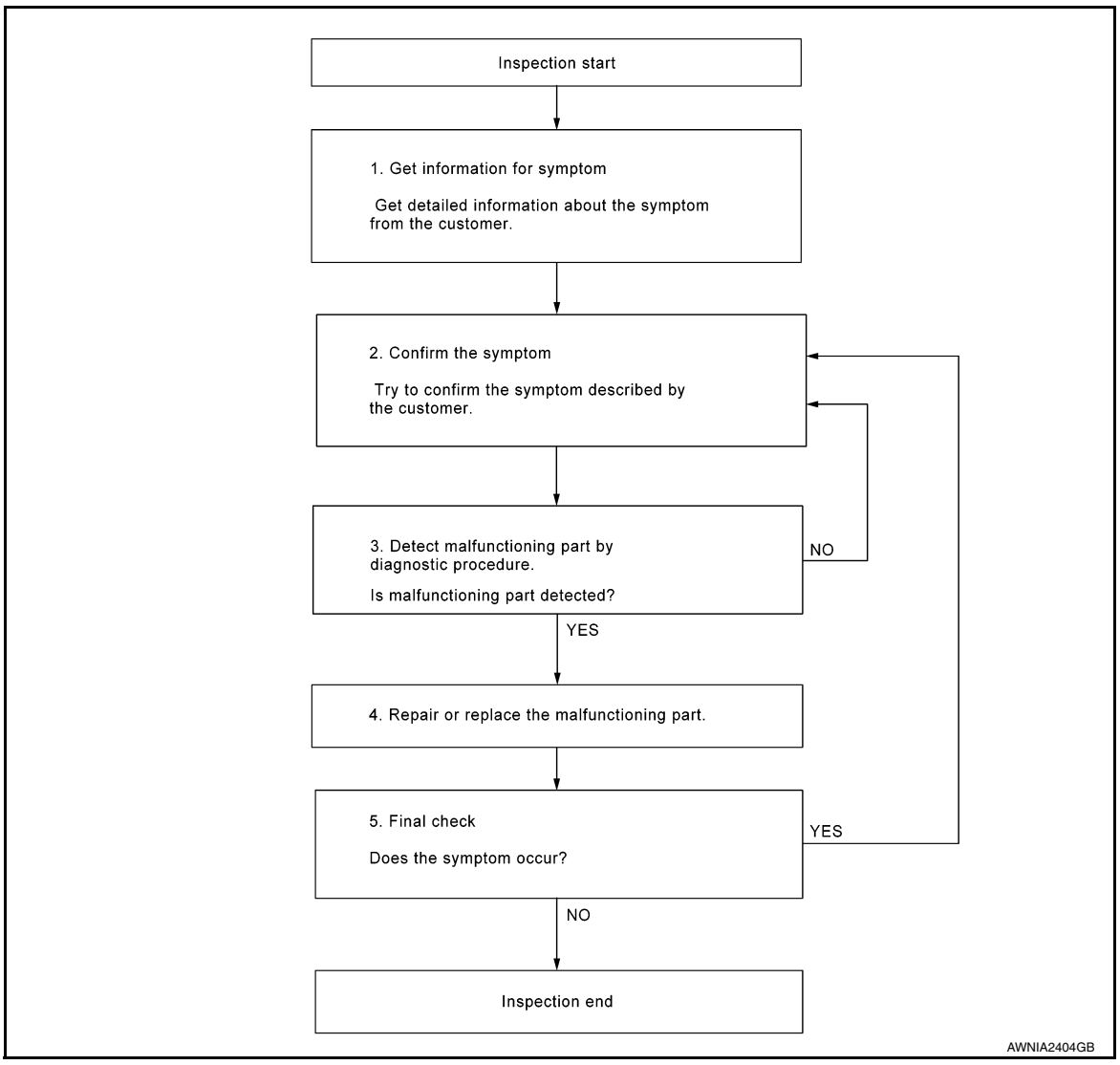
BASIC INSPECTION

DIAGNOSIS AND REPAIR WORK FLOW

Work Flow

INFOID:0000000010049458

OVERALL SEQUENCE



DETAILED FLOW

1.GET INFORMATION FOR SYMPTOM

Get detailed information from the customer about the symptom (the condition and the environment when the incident/malfunction occurred).

>> GO TO 2.

2.CONFIRM THE SYMPTOM

Try to confirm the symptom described by the customer. Verify relation between the symptom and the condition when the symptom is detected. Refer to SE-51, "Symptom Table".

>> GO TO 3.

3.DETECT MALFUNCTIONING PART BY DIAGNOSTIC PROCEDURE

Inspect according to Diagnostic Procedure of the system.

Is malfunctioning part detected?

YES >> GO TO 4.
NO >> GO TO 2.

4. REPAIR OR REPLACE THE MALFUNCTIONING PART

1. Repair or replace the malfunctioning part.
2. Reconnect parts or connectors disconnected during Diagnostic Procedure.

>> GO TO 5.

5. FINAL CHECK

Refer to confirmed symptom in step 2, and make sure that the symptom is not detected.

Was the repair confirmed?

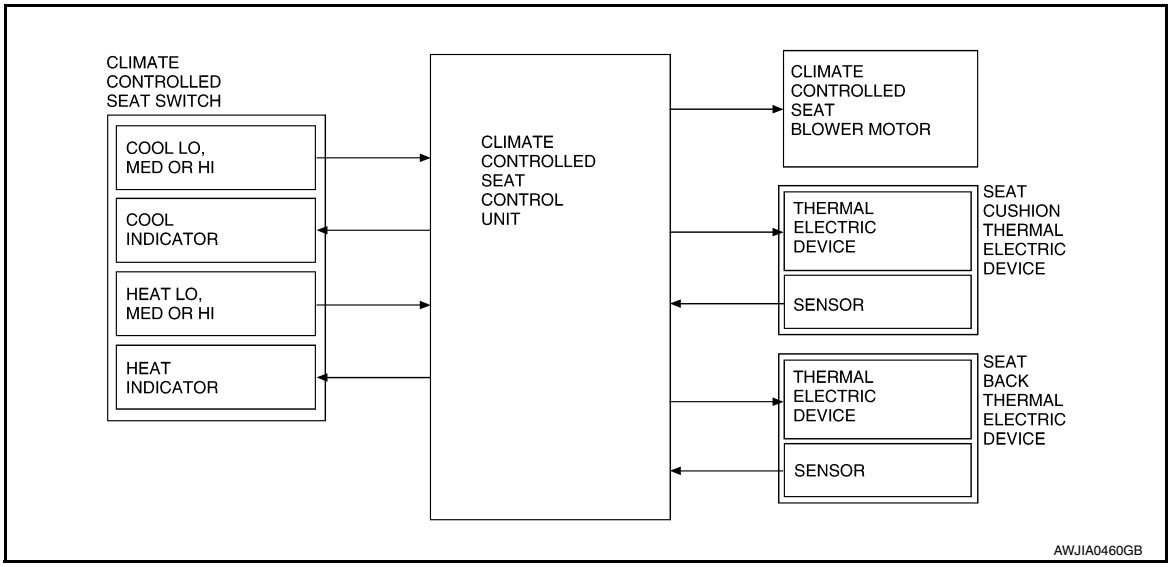
YES >> Inspection End.
NO >> GO TO 2.

SYSTEM DESCRIPTION

CLIMATE CONTROLLED SEAT SYSTEM

System Diagram

INFOID:0000000010049459



System Description

INFOID:0000000010049460

- The climate controlled seat system is controlled by the climate controlled seat control unit.
- Operation of the climate controlled seat switch sends heated or cooled airflow and adjusts the seat temperature.

SEAT CUSHION AND SEATBACK TEMPERATURE ADJUSTMENT FUNCTION

- A thermal electric device (TED) unit is installed in the seat cushion and seatback. The device heats or cools, sends airflow to the seat surface, and adjusts the seat temperature.
- The thermal electric device (TED) is a heat exchanger that has a function to heat or cool the airflow from the climate controlled seat blower motor. By changing the direction of the current from the power supply, the device takes or gives heat, and adjusts the heat exchange process depending on voltage.

NOTE:
The climate controlled seat blower motor maintains low speed for approximately 60 seconds after turning the climate controlled seat switch off.

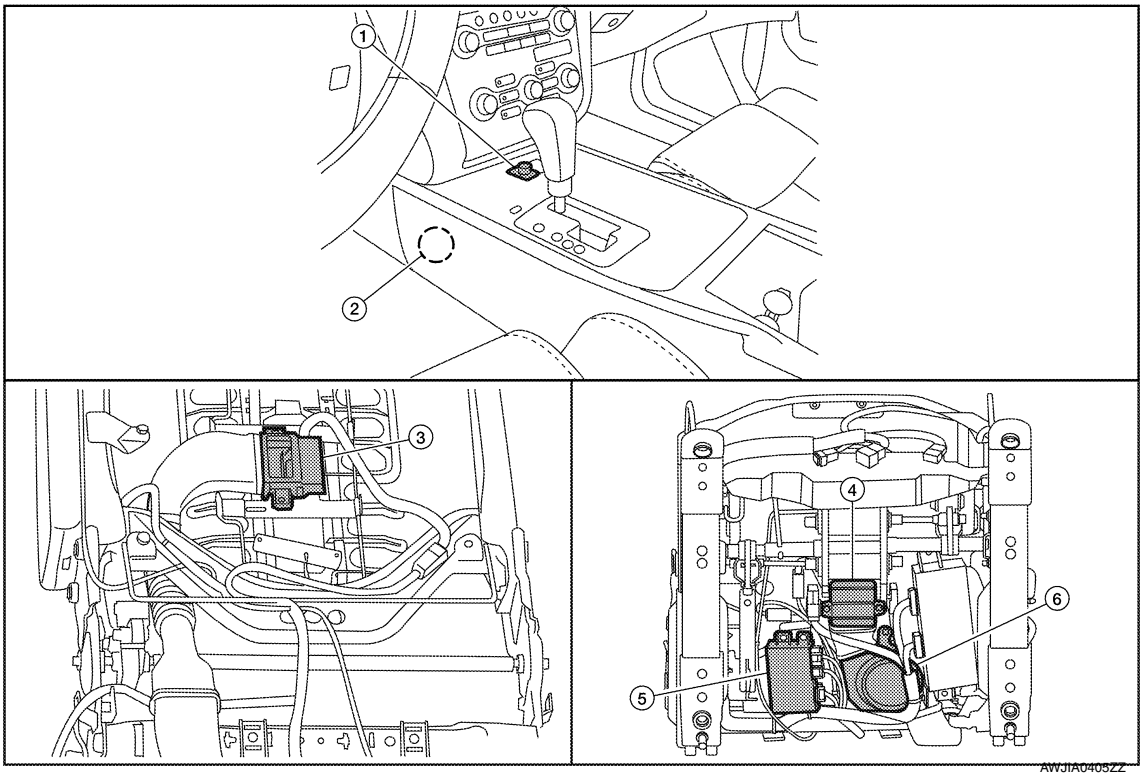
CAUTION:
- **The thermal electric device has a dual-climate function that allows one side to operate at a high temperature and the other to operate at a low temperature simultaneously.**
- **Before starting work, always turn OFF the switch and check that the thermal electric device is cold.**

FAIL-SAFE

The fail-safe function is adopted for the climate controlled seat control unit. Refer to SE-26, "Fail-safe".

Component Parts Location

INFOID:0000000010049461



1. Climate controlled seat switch M302
2. Climate controlled seat relay M58
3. Seatback thermal electric device B218
4. Seat cushion thermal electric device B219
5. Climate controlled seat control unit B212, B216, B217
6. Climate controlled seat blower motor B220

Component Description

INFOID:0000000010049462

Item	Function
Climate controlled seat relay	Supplies power to the climate controlled seat control unit in accordance with the key switch position that is ON or OFF
Climate controlled seat control unit	Installed in the seat cushion backside and controls the climate controlled seat blower motor, seatback thermal electric device, and seat cushion thermal electric device in accordance with the input signal
Climate controlled seat switch	Installed in the center console and transmits signals to climate controlled seat control unit in accordance with the HEAT (heated airflow) or COOL (cooled airflow) switch operation and the temperature switch operation
Climate controlled seat blower motor	Installed in the seat cushion backside and sends the airflow to the seatback thermal electric device and seat cushion thermal electric device in accordance with the control from the climate controlled seat control unit
Seatback thermal electric device	Installed in the seatback backside and heats or cools the airflow from the climate controlled seat blower motor in accordance with the control from the climate controlled seat control unit
Seat cushion thermal electric device	Installed in the seat cushion backside and heats or cools the airflow from the climate controlled seat blower motor in accordance with the control from the climate controlled seat control unit

DTC/CIRCUIT DIAGNOSIS

POWER SUPPLY AND GROUND CIRCUIT
CLIMATE CONTROLLED SEAT CONTROL UNIT

CLIMATE CONTROLLED SEAT CONTROL UNIT : Diagnosis Procedure

INFOID:0000000010049463

Regarding Wiring Diagram information, refer to SE-44, "Wiring Diagram".

1.CHECK FUSES

Check for blown fuses.

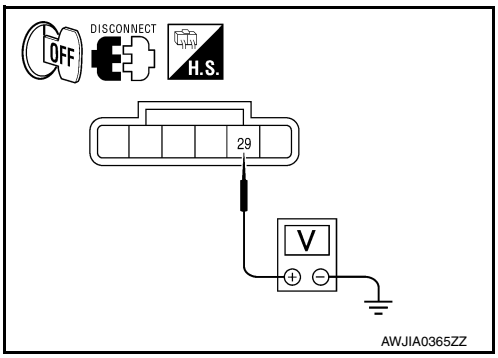
System component	Power Source	Fuse or Fusible Link	Location
Climate controlled seat control unit	Ignition switch ON or START	3 (10A)	Fuse block (J/B)
	Battery	28 (15A)	Fuse and fusible link box
	Battery	H (40A)	Fuse and fusible link box

Is the inspection result normal?

YES >> GO TO 2.
NO >> If fuse or fusible link is blown, be sure to eliminate cause of malfunction before installing new fuse or fusible link.

2.CHECK BATTERY POWER SUPPLY CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect climate controlled seat control unit connector B217.
3. Check voltage between climate controlled seat control unit connector B217 terminal 29 and ground.



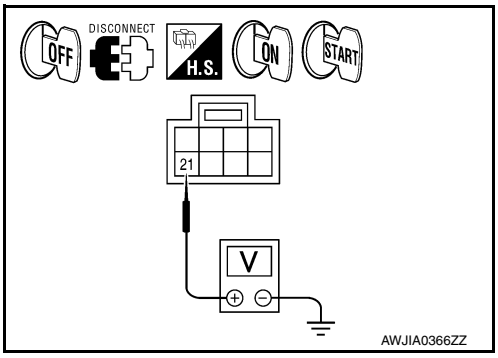
Connector	Terminal	Ground	Voltage (Approx.)
B217	29	—	Battery voltage

Is the inspection result normal?

YES >> GO TO 3.
NO >> GO TO 6.

3.CHECK IGNITION POWER SUPPLY CIRCUIT

1. Disconnect climate controlled seat control unit connector B216.
2. Check voltage between climate controlled seat control unit connector B216 terminal 21 and ground.



Connector	Terminal	Ground	Ignition switch	Voltage (Approx.)
B216	21	—	OFF	0V
			ON	Battery voltage
			START	Battery voltage

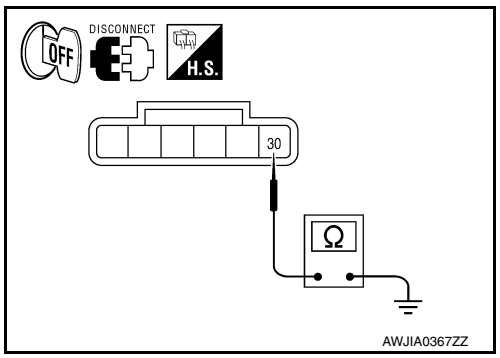
Is the inspection result normal?

YES >> GO TO 4.
NO >> GO TO 5.

4.CHECK GROUND CIRCUIT

1. Turn ignition switch OFF.
2. Check continuity between climate controlled seat control unit connector B217 terminal 30 and ground.

Connector	Terminal	Ground	Continuity
B217	30	—	Yes



Is the inspection result normal?

YES >> Inspection End.
NO >> Repair the harness or connectors.

5. CHECK CLIMATE CONTROLLED SEAT RELAY

Perform the climate controlled seat relay component inspection. Refer to SE-10, "CLIMATE CONTROLLED SEAT CONTROL UNIT : Component Inspection (Climate Controlled Seat Relay)".

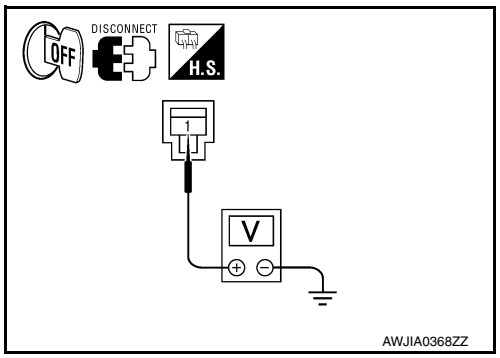
Is the inspection result normal?

YES >> GO TO 8.
NO >> Replace the climate controlled seat relay.

6. CHECK CIRCUIT BREAKER POWER SUPPLY CIRCUIT

1. Disconnect the circuit breaker connector M84.
2. Check voltage between circuit breaker connector M84 terminal 1 and ground.

Connector	Terminal	Ground	Voltage (Approx.)
M84	1	—	Battery voltage



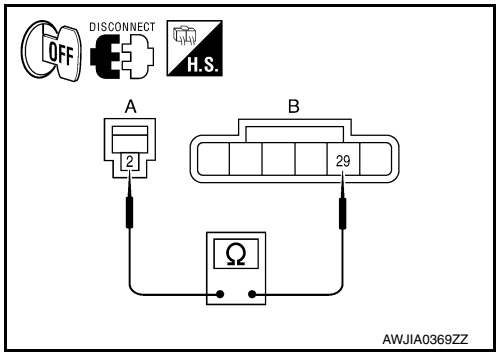
Is the inspection result normal?

YES >> GO TO 7.
NO >> Repair the harness or connectors.

7. CHECK BATTERY POWER SUPPLY CIRCUIT FOR OPEN

Check continuity between circuit breaker connector M84 (A) terminal 2 and climate controlled seat control unit connector B217 (B) terminal 29.

Circuit Breaker		Climate Controlled Seat Control Unit		Continuity
Connector	Terminal	Connector	Terminal	
M84 (A)	2	B217 (B)	29	Yes



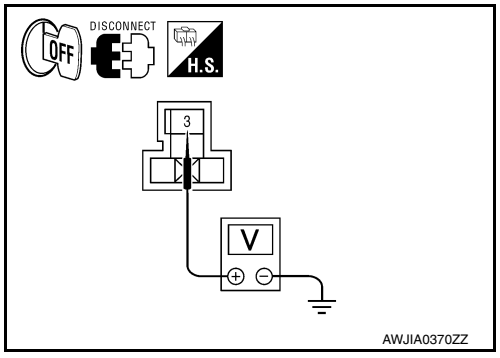
Is the inspection result normal?

YES >> Replace the circuit breaker.
NO >> Repair the harness or connectors.

8. CHECK CLIMATE CONTROLLED SEAT RELAY BATTERY POWER SUPPLY CIRCUIT

1. Disconnect climate controlled seat relay connector.
2. Check voltage between climate controlled seat relay connector M58 terminal 3 and ground.

Connector	Terminal	Ground	Voltage (Approx.)
M58	3	—	Battery voltage

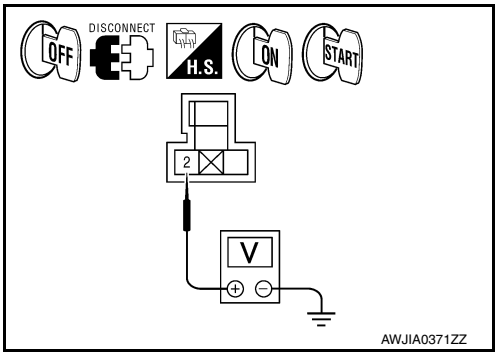


Is the inspection result normal?

YES >> GO TO 9.
NO >> Repair the harness or connectors.

9. CHECK CLIMATE CONTROLLED SEAT RELAY IGNITION POWER SUPPLY CIRCUIT

Check voltage between climate controlled seat relay connector M58 terminal 2 and ground.



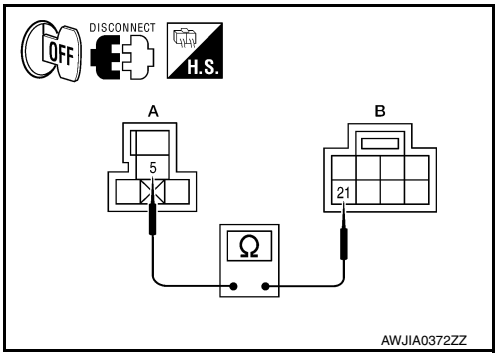
Connector	Terminal	Ground	Ignition switch	Voltage (Approx.)
M58	2	—	OFF	0V
			ON	Battery voltage
			START	Battery voltage

Is the inspection result normal?

YES >> GO TO 10.
NO >> Repair the harness or connectors.

10. CHECK IGNITION POWER SUPPLY CIRCUIT FOR OPEN

Check continuity between climate controlled seat relay connector M58 (A) terminal 5 and climate controlled seat control unit connector B216 (B) terminal 21.



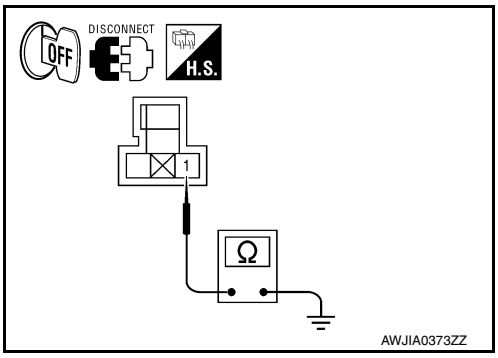
Climate Controlled Seat Relay		Climate Controlled Seat Control Unit		Continuity
Connector	Terminal	Connector	Terminal	
M58 (A)	5	B216 (B)	21	Yes

Is the inspection result normal?

YES >> GO TO 11.
NO >> Repair the harness or connectors.

11. CHECK CLIMATE CONTROLLED SEAT RELAY GROUND CIRCUIT

Check continuity between climate controlled seat relay connector M58 terminal 1 and ground.



Connector	Terminal	Ground	Continuity
M58	1	—	Yes

Is the inspection result normal?

YES >> Check intermittent incident. Refer to GI-41, "Intermittent Incident".
NO >> Repair the harness or connectors.

CLIMATE CONTROLLED SEAT CONTROL UNIT : Component Inspection (Climate Controlled Seat Relay)

INFOID:0000000010049464

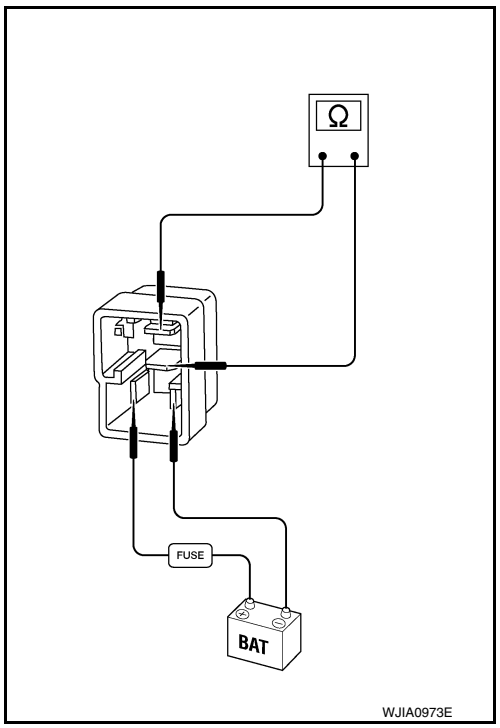
1. CHECK CLIMATE CONTROLLED SEAT RELAY

1. Apply battery voltage between terminals 2 and 1 of the climate controlled seat relay.
   CAUTION:
   Connect a fuse between the terminals when applying battery voltage.
2. Check continuity between climate controlled seat relay terminals 5 and 3.

Climate Controlled Seat Relay Terminals	Condition	Continuity
5 and 3	Battery voltage applied between terminals 2 and 1.	Yes

Is the inspection result normal?

YES >> Inspection End.
NO >> Replace climate controlled seat relay.



CLIMATE CONTROLLED SEAT BLOWER MOTOR

Description

INFOID:0000000010049465

Sends airflow to the seat cushion and seatback.

Component Function Check

INFOID:0000000010049466

1.CHECK CLIMATE CONTROLLED SEAT BLOWER MOTOR FUNCTION

Turn the climate controlled seat switch to the H (Heat) LO, MED, and HI positions and the C (Cool) LO, MED, and HI positions. Check that the climate controlled seat blower motor operates at low, medium and high speed.

Is the inspection result normal?

YES >> Climate controlled seat blower motor function is OK.
NO >> Refer to SE-12, "Diagnosis Procedure".

Diagnosis Procedure

INFOID:0000000010049467

Regarding Wiring Diagram information, refer to SE-44, "Wiring Diagram".

1.CHECK CLIMATE CONTROLLED SEAT BLOWER MOTOR

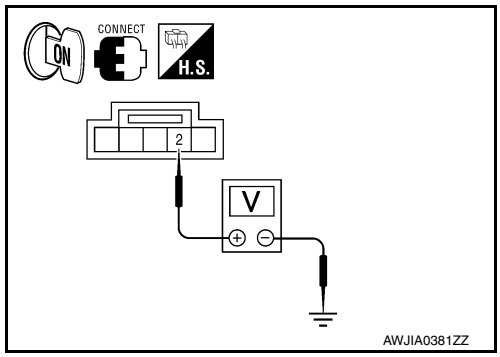
Perform climate controlled seat blower motor component inspection. Refer to SE-14, "Component Inspection (Climate Controlled Seat Blower Motor)".

Is the inspection result normal?

YES >> GO TO 2.
NO >> Replace climate controlled seat blower motor. Refer to SE-65, "Exploded View".

2.CHECK CLIMATE CONTROLLED SEAT BLOWER MOTOR POWER SUPPLY

1. Turn ignition switch ON.
2. Check voltage between climate controlled seat blower motor connector B220 terminal 2 and ground.



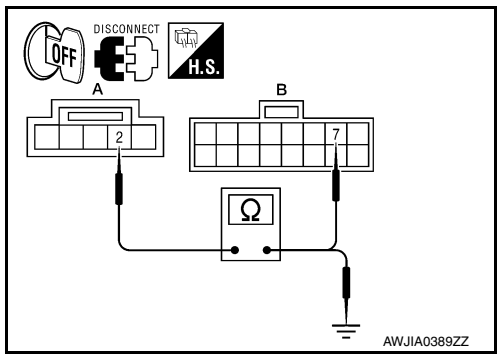
Climate controlled seat blower motor		Ground	Voltage (Approx.)
Connector	Terminal		
B220	2	—	Battery voltage

Is the inspection result normal?

YES >> GO TO 4.
NO >> GO TO 3.

3.CHECK CLIMATE CONTROLLED SEAT BLOWER MOTOR POWER SUPPLY CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect climate controlled seat blower motor connector and climate controlled seat control unit connector B212.
3. Check continuity between climate controlled seat blower motor connector B220 (A) terminal 2 and climate controlled seat control unit connector B212 (B) terminal 7.



Climate controlled seat blower motor		Climate controlled seat control unit		Continuity
Connector	Terminal	Connector	Terminal	
B220 (A)	2	B212 (B)	7	Yes

4. Check continuity between climate controlled seat blower motor connector B220 (A) terminal 2 and ground.

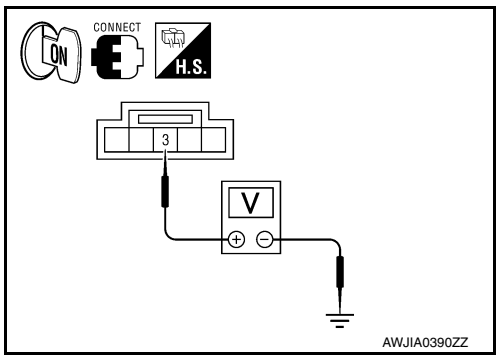
Climate controlled seat blower motor		Ground	Continuity
Connector	Terminal		
B220 (A)	2	—	No

Is the inspection result normal?

YES >> Replace climate controlled seat control unit. Refer to SE-65, "Exploded View".
NO >> Repair harness or connectors.

4. CHECK CLIMATE CONTROLLED SEAT BLOWER MOTOR SPEED CONTROL SIGNAL

Check voltage between climate controlled seat blower motor connector B220 terminal 3 and ground.



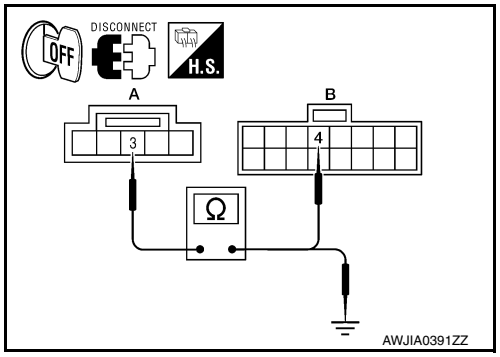
Climate controlled seat blower motor		Ground	Condition	Voltage (Approx.)
Connector	Terminal		Climate controlled seat switch	
B220	3	—	HEAT or COOL	4.5V – 8.0V

Is the inspection result normal?

YES >> GO TO 6.
NO >> GO TO 5.

5. CHECK CLIMATE CONTROLLED SEAT BLOWER MOTOR SPEED CONTROL SIGNAL CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect climate controlled seat blower motor connector and climate controlled seat control unit connector B212.
3. Check continuity between climate controlled seat blower motor connector B220 (A) terminal 3 and climate controlled seat control unit connector B212 (B) terminal 4.



Climate controlled seat blower motor		Climate controlled seat control unit		Continuity
Connector	Terminal	Connector	Terminal	
B220 (A)	3	B212 (B)	4	Yes

4. Check continuity between climate controlled seat blower motor connector B220 (A) terminal 3 and ground.

Climate controlled seat blower motor		Ground	Continuity
Connector	Terminal		
B220 (A)	3	—	No

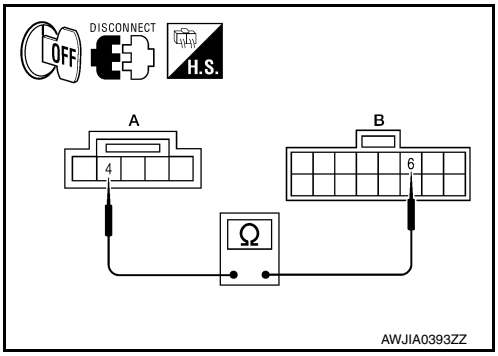
Is the inspection result normal?

YES >> Replace climate controlled seat control unit. Refer to SE-65, "Exploded View".
NO >> Repair harness or connectors.

6. CHECK CLIMATE CONTROLLED SEAT BLOWER MOTOR GROUND CIRCUIT

1. Turn ignition switch OFF.

2. Disconnect climate controlled seat blower motor connector and climate controlled seat control unit connector B212.
3. Check continuity between climate controlled seat blower motor connector B220 (A) terminal 4 and climate controlled seat control unit connector B212 (B) terminal 6.



Climate controlled seat blower motor		Climate controlled seat control unit		Continuity
Connector	Terminal	Connector	Terminal	
B220 (A)	4	B212 (B)	6	Yes

Is the inspection result normal?

YES >> Replace climate controlled seat control unit. Refer to SE-65, "Exploded View".
NO >> Repair harness or connectors.

Component Inspection (Climate Controlled Seat Blower Motor)

INFOID:0000000010049468

1. CHECK CLIMATE CONTROLLED SEAT BLOWER MOTOR PART 1

1. Turn ignition switch OFF.
2. Disconnect climate controlled seat blower motor connector.
3. Measure the resistance of the climate controlled seat blower motor between terminals 2 and 4.

Climate Controlled Seat Blower Motor Terminals		Resistance
2	4	600 – 800 Ω

Is the inspection result normal?

YES >> GO TO 2.
NO >> Replace climate controlled seat blower motor. Refer to SE-65, "Exploded View".

2. CHECK CLIMATE CONTROLLED SEAT BLOWER MOTOR PART 2

Measure the resistance of the climate controlled seat blower motor between terminals 3 and 4.

Climate Controlled Seat Blower Motor Terminals		Resistance
3	4	2.5 – 2.8 MΩ

Is the inspection result normal?

YES >> Inspection End.
NO >> Replace climate controlled seat blower motor. Refer to SE-65, "Exploded View".

SEAT CUSHION THERMAL ELECTRIC DEVICE

Description

INFOID:0000000010049469

Provides cooling and heat for the seat cushion.

Component Function Check

INFOID:0000000010049470

1.CHECK SEAT CUSHION THERMAL ELECTRIC DEVICE FUNCTION

1. Turn the climate controlled seat switch to the H (Heat) HI position and check that the seat cushion thermal electric device operates correctly.
2. Turn the climate controlled seat switch to the C (Cool) HI position and check that the seat cushion thermal electric device operates correctly.

Is the inspection result normal?

YES >> Seat cushion thermal electric device is OK.
NO >> Refer to SE-15, "Diagnosis Procedure".

Diagnosis Procedure

INFOID:0000000010049471

Regarding Wiring Diagram information, refer to SE-44, "Wiring Diagram".

1.CHECK SEAT CUSHION THERMAL ELECTRIC DEVICE

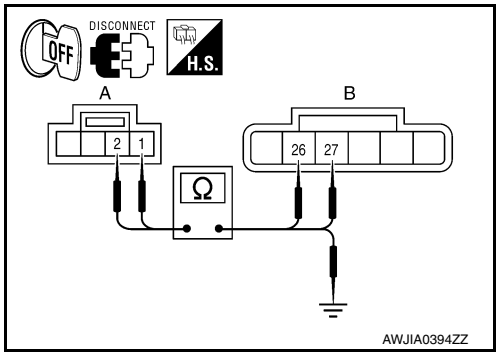
Perform thermal electric device component inspection for the seat cushion. Refer to SE-16, "Component Inspection (Thermal Electric Device)".

Is the inspection result normal?

YES >> GO TO 2.
NO >> Replace seat cushion thermal electric device. Refer to SE-65, "Exploded View".

2.CHECK SEAT CUSHION THERMAL ELECTRIC DEVICE CIRCUITS

1. Turn ignition switch OFF.
2. Disconnect seat cushion thermal electric device connector and climate controlled seat control unit connector B217.
3. Check continuity between seat cushion thermal electric device connector B219 (A) terminals 1, 2 and climate controlled seat control unit connector B217 (B) terminals 26, 27.



Seat cushion thermal electric device		Climate controlled seat control unit		Continuity
Connector	Terminal	Connector	Terminal	
B219 (A)	1	B217 (B)	27	Yes
	2		26	

4. Check continuity between seat cushion thermal electric device connector B219 (A) terminals 1, 2 and ground.

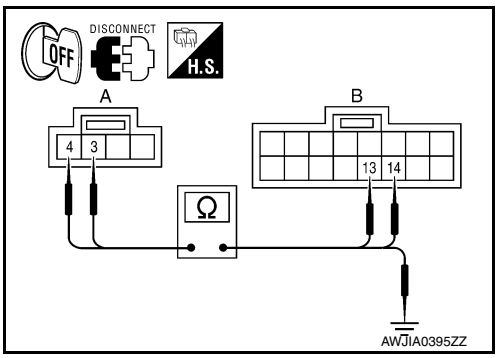
Seat cushion thermal electric device		Ground	Continuity
Connector	Terminal		
B219 (A)	1		No
	2		

Is the inspection result normal?

YES >> GO TO 3.
NO >> Repair harness or connectors.

3.CHECK SEAT CUSHION THERMAL ELECTRIC DEVICE SENSOR CIRCUITS

1. Disconnect climate controlled seat control unit connector B212.
2. Check continuity between seat cushion thermal electric device connector B219 (A) terminals 3, 4 and climate controlled seat control unit connector B212 (B) terminals 13, 14.



Seat cushion thermal electric device		Climate controlled seat control unit		Continuity
Connector	Terminal	Connector	Terminal	
B219 (A)	3	B212 (B)	14	Yes
	4		13	

3. Check continuity between seat cushion thermal electric device connector B219 (A) terminals 3, 4 and ground.

Seat cushion thermal electric device		Ground	Continuity
Connector	Terminal		
B219 (A)	3		No
	4		

Is the inspection result normal?

YES >> Replace climate controlled seat control unit. Refer to SE-65, "Exploded View".
NO >> Repair harness or connectors.

Component Inspection (Thermal Electric Device)

INFOID:0000000010049472

1.CHECK THERMAL ELECTRIC DEVICE

1. Turn ignition switch OFF.
2. Disconnect thermal electric device connector.
3. Measure the resistance of the thermal electric device between terminals 1 and 2.

NOTE:
The resistance value in the table below will change under any of the following conditions:
- air blowing across the thermal electric device
- changing the surrounding temperature of the thermal electric device
- measuring at other than 23°C (73°F)

Thermal electric device terminals		Temperature	Resistance
1	2	23°C (73°F)	0.9 – 10 Ω

Is the inspection result normal?

YES >> GO TO 2.
NO >> Replace thermal electric device. Refer to SE-65, "Exploded View".

2.CHECK THERMAL ELECTRIC DEVICE SENSOR

Measure the resistance of the thermal electric device sensor between terminals 3 and 4.

Thermal electric device terminals		Temperature	Resistance
3	4	0 – 10° C (32 – 50° F)	2785– 1660 Ω
		10 – 20° C (50 – 68° F)	1840 – 1135 Ω
		20 – 30° C (68 – 86° F)	1265 – 800 Ω
		30 – 40° C (86 – 104° F)	895 – 565 Ω
		40 – 50° C (104 – 122° F)	635 – 425 Ω

Is the inspection result normal?

YES >> Inspection End.
NO >> Replace thermal electric device. Refer to SE-65, "Exploded View".

SEATBACK THERMAL ELECTRIC DEVICE

Description

INFOID:0000000010049473

Provides cooling and heat for the seatback.

Component Function Check

INFOID:0000000010049474

1.CHECK SEATBACK THERMAL ELECTRIC DEVICE FUNCTION

1. Turn the climate controlled seat switch to the H (Heat) HI position and check that the seatback thermal electric device operates correctly.
2. Turn the climate controlled seat switch to the C (Cool) HI position and check that the seatback thermal electric device operates correctly.

Is the inspection result normal?

YES >> Seatback thermal electric device is OK.
NO >> Refer to SE-18, "Diagnosis Procedure".

Diagnosis Procedure

INFOID:0000000010049475

Regarding Wiring Diagram information, refer to SE-44, "Wiring Diagram".

1.CHECK SEATBACK THERMAL ELECTRIC DEVICE

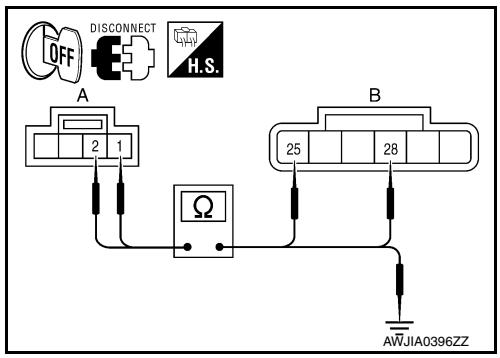
Perform thermal electric device component inspection for the seatback. Refer to SE-19, "Component Inspection (Thermal Electric Device)".

Is the inspection result normal?

YES >> GO TO 2.
NO >> Replace seatback thermal electric device. Refer to SE-65, "Exploded View".

2.CHECK SEATBACK THERMAL ELECTRIC DEVICE CIRCUITS

1. Turn ignition switch OFF.
2. Disconnect seatback thermal electric device connector and climate controlled seat control unit connector B217.
3. Check continuity between seatback thermal electric device connector B218 (A) terminals 1, 2 and climate controlled seat control unit connector B217 (B) terminals 25, 28.



Seatback thermal electric device		Climate controlled seat control unit		Continuity
Connector	Terminal	Connector	Terminal	
B218 (A)	1	B217 (B)	28	Yes
	2		25	

4. Check continuity between seatback thermal electric device connector B218 (A) terminals 1, 2 and ground.

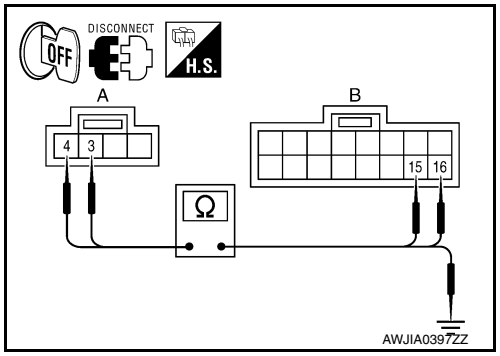
Seatback thermal electric device		Ground	Continuity
Connector	Terminal		
B218 (A)	1		No
	2		

Is the inspection result normal?

YES >> GO TO 3.
NO >> Repair harness or connectors.

3.CHECK SEATBACK THERMAL ELECTRIC DEVICE SENSOR CIRCUITS

1. Disconnect climate controlled seat control unit connector B212.
2. Check continuity between seatback thermal electric device connector B218 (A) terminals 3, 4 and climate controlled seat control unit connector B212 (B) terminals 15, 16.



Seatback thermal electric device		Climate controlled seat control unit		Continuity
Connector	Terminal	Connector	Terminal	
B218 (A)	3	B212 (B)	16	Yes
	4		15	

3. Check continuity between seatback thermal electric device connector B218 (A) terminals 3, 4 and ground.

Seatback thermal electric device		Ground	Continuity
Connector	Terminal		
B218 (A)	3		No
	4		

Is the inspection result normal?

YES >> Replace climate controlled seat control unit. Refer to SE-65, "Exploded View".
NO >> Repair harness or connectors.

Component Inspection (Thermal Electric Device)

INFOID:0000000010049476

1.CHECK THERMAL ELECTRIC DEVICE

1. Turn ignition switch OFF.
2. Disconnect thermal electric device connector.
3. Measure the resistance of the thermal electric device between terminals 1 and 2.

NOTE:
The resistance value in the table below will change under any of the following conditions:
- air blowing across the thermal electric device
- changing the surrounding temperature of the thermal electric device
- measuring at other than 23°C (73°F)

Thermal electric device terminals		Temperature	Resistance
1	2	23°C (73°F)	0.9 – 10 Ω

Is the inspection result normal?

YES >> GO TO 2.
NO >> Replace thermal electric device. Refer to SE-65, "Exploded View".

2.CHECK THERMAL ELECTRIC DEVICE SENSOR

Measure the resistance of the thermal electric device sensor between terminals 3 and 4.

Thermal electric device terminals		Temperature	Resistance
3	4	0 – 10° C (32 – 50° F)	2785– 1660 Ω
		10 – 20° C (50 – 68° F)	1840 – 1135 Ω
		20 – 30° C (68 – 86° F)	1265 – 800 Ω
		30 – 40° C (86 – 104° F)	895 – 565 Ω
		40 – 50° C (104 – 122° F)	635 – 425 Ω

Is the inspection result normal?

YES >> Inspection End.
NO >> Replace thermal electric device. Refer to SE-65, "Exploded View".

CLIMATE CONTROLLED SEAT SWITCH

Description

INFOID:0000000010049477

Provides inputs to the climate controlled seat control unit for climate controlled seat operation.

Component Function Check

INFOID:0000000010049478

1.CHECK CLIMATE CONTROLLED SEAT SWITCH FUNCTION

Turn the climate controlled seat switch to the H (Heat) LO, MED, and HI positions and the C (Cool) LO, MED, and HI positions. Check that the climate controlled seat operates at low, medium and high heat, and low, medium and high cool.

Is the inspection result normal?

YES >> Climate controlled seat switch function is OK.
NO >> Refer to SE-20, "Diagnosis Procedure".

Diagnosis Procedure

INFOID:0000000010049479

Regarding Wiring Diagram information, refer to SE-44, "Wiring Diagram".

1.CHECK CLIMATE CONTROLLED SEAT SWITCH

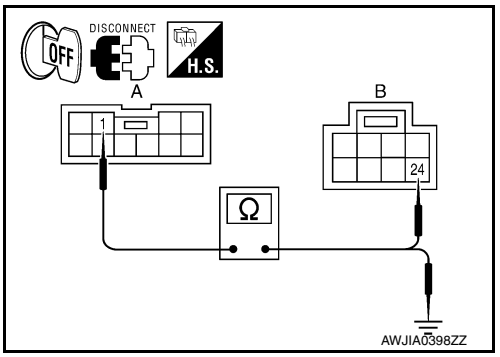
Perform climate controlled seat switch component inspection. Refer to SE-21, "Component Inspection (Climate Controlled Seat Switch)".

Is the inspection result normal?

YES >> GO TO 2.
NO >> Replace climate controlled seat switch.

2.CHECK CLIMATE CONTROLLED SEAT SWITCH POWER SUPPLY CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect climate controlled seat switch connector and climate controlled seat control unit connector B216.
3. Check continuity between climate controlled seat switch connector M302 (A) terminal 1 and climate controlled seat control unit connector B216 (B) terminal 24.



Climate controlled seat switch		Climate controlled seat control unit		Continuity
Connector	Terminal	Connector	Terminal	
M302 (A)	1	B216 (B)	24	Yes

4. Check continuity between climate controlled seat switch connector M302 (A) terminal 1 and ground.

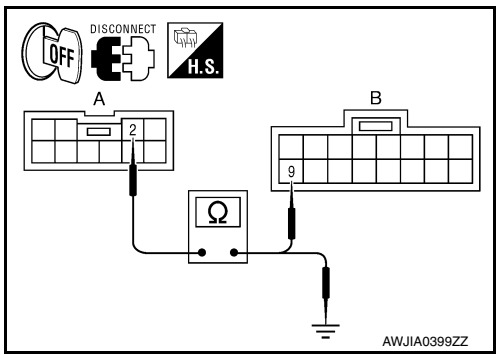
Climate controlled seat switch		Ground	Continuity
Connector	Terminal		
M302 (A)	1		No

Is the inspection result normal?

YES >> GO TO 3.
NO >> Repair harness or connectors.

3.CHECK CLIMATE CONTROLLED SEAT SWITCH COOL CIRCUIT

1. Disconnect climate controlled seat control unit connector B212.
2. Check continuity between climate controlled seat switch connector M302 (A) terminal 2 and climate controlled seat control unit connector B212 (B) terminal 9.



Climate controlled seat switch		Climate controlled seat control unit		Continuity
Connector	Terminal	Connector	Terminal	
M302 (A)	2	B212 (B)	9	Yes

3. Check continuity between climate controlled seat switch connector M302 (A) terminal 2 and ground.

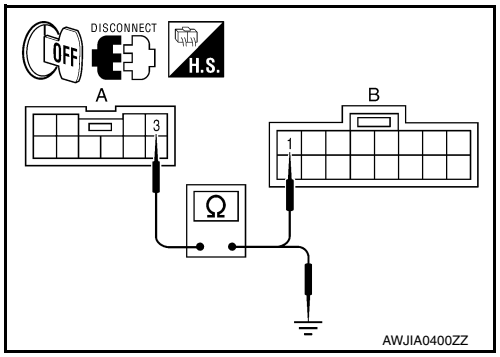
Climate controlled seat switch		Ground	Continuity
Connector	Terminal		
M302 (A)	2		No

Is the inspection result normal?

YES >> GO TO 4.
NO >> Repair harness or connectors.

4. CHECK CLIMATE CONTROLLED SEAT SWITCH HEAT CIRCUIT

1. Check continuity between climate controlled seat switch connector M302 (A) terminal 3 and climate controlled seat control unit connector B212 (B) terminal 1.



Climate controlled seat switch		Climate controlled seat control unit		Continuity
Connector	Terminal	Connector	Terminal	
M302 (A)	3	B212 (B)	1	Yes

2. Check continuity between climate controlled seat switch connector M302 (A) terminal 3 and ground.

Climate controlled seat switch		Ground	Continuity
Connector	Terminal		
M302 (A)	3		No

Is the inspection result normal?

YES >> Replace climate controlled seat control unit. Refer to SE-65, "Exploded View".
NO >> Repair harness or connectors.

Component Inspection (Climate Controlled Seat Switch)

INFOID:0000000010049480

1. CHECK CLIMATE CONTROLLED SEAT SWITCH

1. Disconnect climate controlled seat switch connector.
2. Check continuity between climate controlled seat switch terminals.

Terminals	Condition	Continuity

1	3	Climate controlled seat switch	HEAT mode	OFF position	Continuity does not exist
				Rotate knob to LO	Continuity exists
				Rotate knob to MED	Resistance value decreases
				Rotate knob to HI	Resistance value decreases further
	2	Climate controlled seat switch	COOL mode	OFF position	Continuity does not exist
				Rotate knob to LO	Continuity exists
				Rotate knob to MED	Resistance value decreases
				Rotate knob to HI	Resistance value decreases further

Is the inspection result normal?

YES >> Inspection End.
NO >> Replace climate controlled seat switch.

CLIMATE CONTROLLED SEAT SWITCH INDICATOR

Description

INFOID:0000000010049481

Illuminates the climate controlled seat switch to indicate operating status.

Component Function Check

INFOID:0000000010049482

1.CHECK CLIMATE CONTROLLED SEAT SWITCH INDICATOR FUNCTION

Check that the indicators for the climate controlled seat switch operate in both COOL and HEAT modes.

Is the inspection result normal?

YES >> Climate controlled seat switch indicator function is OK.
NO >> Refer to SE-23, "Diagnosis Procedure".

Diagnosis Procedure

INFOID:0000000010049483

Regarding Wiring Diagram information, refer to SE-44, "Wiring Diagram".

1.CHECK CLIMATE CONTROLLED SEAT SWITCH INDICATOR

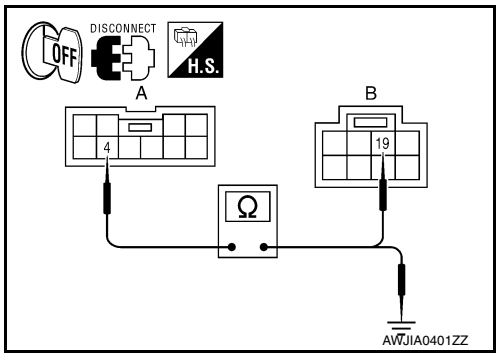
Perform climate controlled seat switch indicator component inspection. Refer to SE-24, "Component Inspection (Climate Controlled Seat Switch Indicator)".

Is the inspection result normal?

YES >> GO TO 2.
NO >> Replace climate controlled seat switch.

2.CHECK CLIMATE CONTROLLED SEAT SWITCH COOL INDICATOR CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect climate controlled seat switch connector and climate controlled seat control unit connector B216.
3. Check continuity between climate controlled seat switch connector M302 (A) terminal 4 and climate controlled seat control unit connector B216 (B) terminal 19.



Climate controlled seat switch		Climate controlled seat control unit		Continuity
Connector	Terminal	Connector	Terminal	
M302 (A)	4	B216 (B)	19	Yes

4. Check continuity between climate controlled seat switch connector M302 (A) terminal 4 and ground.

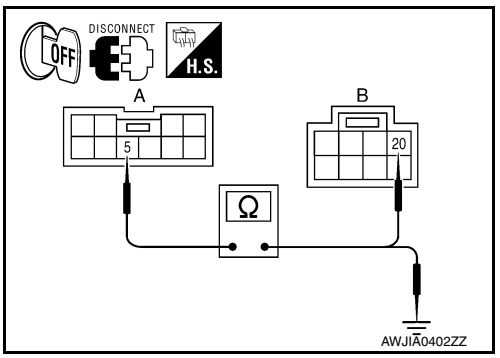
Climate controlled seat switch		Ground	Continuity
Connector	Terminal		
M302 (A)	4		No

Is the inspection result normal?

YES >> GO TO 3.
NO >> Repair harness or connectors.

3.CHECK CLIMATE CONTROLLED SEAT SWITCH HEAT INDICATOR CIRCUIT

1. Check continuity between climate controlled seat switch connector M302 (A) terminal 5 and climate controlled seat control unit connector B216 (B) terminal 20.



Climate controlled seat switch		Climate controlled seat control unit		Continuity
Connector	Terminal	Connector	Terminal	
M302 (A)	5	B216 (B)	20	Yes

2. Check continuity between climate controlled seat switch connector M302 (A) terminal 5 and ground.

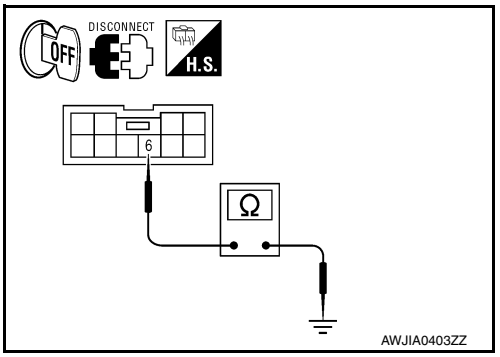
Climate controlled seat switch		Ground	Continuity
Connector	Terminal		
M302 (A)	5		No

Is the inspection result normal?

YES >> GO TO 4.
NO >> Repair harness or connectors.

4. CHECK CLIMATE CONTROLLED SEAT SWITCH INDICATOR GROUND CIRCUIT

Check continuity between climate controlled seat switch connector M302 terminal 6 and ground.



Climate controlled seat switch		Ground	Continuity
Connector	Terminal		
M302	6		Yes

Is the inspection result normal?

YES >> Replace climate controlled seat control unit. Refer to SE-65, "Exploded View".
NO >> Repair harness or connectors.

Component Inspection (Climate Controlled Seat Switch Indicator)

INFOID:0000000010049484

1. CHECK CLIMATE CONTROLLED SEAT SWITCH

1. Disconnect climate controlled seat switch connector.
2. Check continuity between climate controlled seat switch terminals.

Terminals		Continuity
(+)	(-)	
4	6	Continuity exists
5		
6	4	Continuity does not exist
	5	

Is the inspection result normal?

YES >> Inspection End.
NO >> Replace climate controlled seat switch.

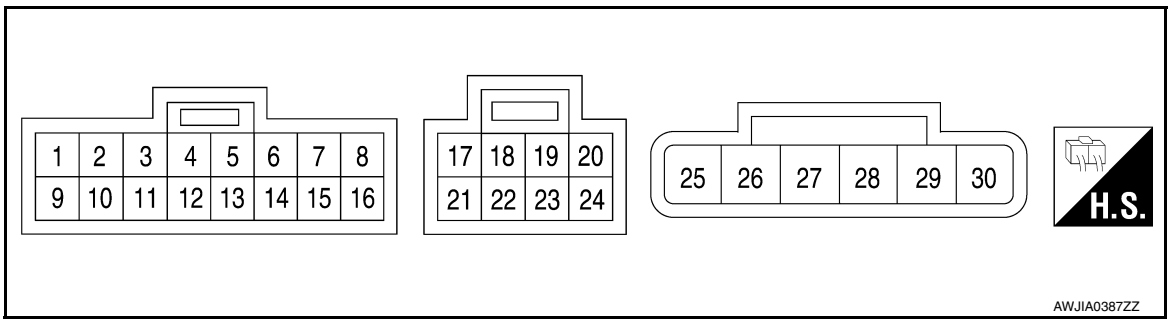
ECU DIAGNOSIS INFORMATION

CLIMATE CONTROLLED SEAT CONTROL UNIT

Reference Value

INFOID:0000000010049485

TERMINAL LAYOUT



PHYSICAL VALUES

Terminal	Wire color	Item	Signal Input/ Output	Condition			Voltage (Approx.)
1	O	HEAT switch signal	Input	Ignition switch ON or START	Climate controlled seat switch select	HI HEAT	2.6V – 3.5V
						MED HEAT	1.6V – 2.5V
						LO HEAT	0.5V – 1.5V
						OFF	0V
4	V	Blower motor speed control signal	Input	Ignition switch ON or START	Climate controlled seat switch select	HEAT or COOL	4.5V – 8.0V
						OFF	0V
6	B	Blower motor ground	—	—			0V
7	R	Blower motor power supply	Input	Ignition switch ON or START			Battery voltage
9	L	COOL switch signal	Input	Ignition switch ON or START	Climate controlled seat switch select	HI COOL	2.6V – 3.5V
						MED COOL	1.6V – 2.5V
						LO COOL	0.5V – 1.5V
						OFF	0V
13	G/B	Seat cushion thermal electric device sensor ground	—	Ignition switch ON			0V
14	G/R	Seat cushion thermal electric device sensor signal	Input	Blower motor operated			0.5V – 4.0V
				Ignition switch OFF			0V
15	G/Y	Seatback thermal electric device sensor ground	—	Ignition switch ON			0V
16	G	Seatback thermal electric device sensor signal	Input	Blower motor operated			0.5V – 4.0V
				Ignition switch OFF			0V
19	V	COOL switch indicator signal	Output	Ignition switch ON or START	Climate controlled seat switch select	COOL	Battery voltage
						OFF	0V
20	BR	HEAT switch indicator signal	Output	Ignition switch ON or START	Climate controlled seat switch select	HEAT	Battery voltage
						OFF	0V
21	GR/W	Ignition switch power supply	Input	Ignition switch ON or START			Battery voltage
24	GR	Climate controlled seat switch power supply	Input	Ignition switch ON or START			Battery voltage

Terminal	Wire color	Item	Signal Input/ Output	Condition			Voltage (Approx.)
25	Y	Seatback thermal electric device power supply (COOL)	Output	Ignition switch ON or START	Climate controlled seat switch select	COOL	Battery voltage
						HEAT	0V
						OFF	0V
26	Y/B	Seat cushion thermal electric device power supply (COOL)	Output	Ignition switch ON or START	Climate controlled seat switch select	COOL	Battery voltage
						HEAT	0V
						OFF	0V
27	L/O	Seat cushion thermal electric device power supply (HEAT)	Output	Ignition switch ON or START	Climate controlled seat switch select	HEAT	Battery voltage
						COOL	0V
						OFF	0V
28	L	Seatback thermal electric device power supply (HEAT)	Output	Ignition switch ON or START	Climate controlled seat switch select	HEAT	Battery voltage
						COOL	0V
						OFF	0V
29	GR/W	Battery power supply	Input	Ignition switch ON or OFF			Battery voltage
30	GR/B	Ground	—	—			0V

Fail-safe

INFOID:0000000010049486

- Climate controlled seat control unit equips fail-safe function.
- When a malfunction occurs in the systems shown as per the following, climate controlled seat control unit stops output.

Malfunction	Malfunctioning condition
The temperature difference between the seatback thermal electric device and seat cushion thermal electric device is 30°C (86°F) or more	• When it detects for 4 seconds that the temperature difference between the seatback thermal electric device and seat cushion thermal electric device is 30°C (86°F) or more, stops the output to the thermal electric device, activates the climate controlled seat blower motor in the maximum position, and sends the external airflow for 30 seconds • If the temperature difference is still 30°C (86°F) or more after 30 seconds pass, it stops all output and enters the system OFF condition • When the temperature difference between seatback thermal electric device and seat cushion thermal electric device becomes 20°C (68°F) or less, the system recovers automatically • If it detects that the temperature difference is 30°C (86°F) or more after the automatic system recovery, it immediately stops all output and enters the system OFF condition **NOTE:** When the switch operation is performed before entering the system OFF condition, the fail-safe mode is reset.
The temperature of thermal electric device is 110°C (230°F) or more in the HEAT mode (any thermal electric device in the seatback or seat cushion)	• When it detects for 4 seconds that the temperature of the thermal electric device is 110°C (230°F) or more, stops the output to the thermal electric device, activates the climate controlled seat blower motor in the maximum position, and sends the external airflow for 30 seconds • If the temperature does not become 105°C (221°F) or less after 30 seconds pass, it stops all output and enters the system OFF condition • When the temperature of the thermal electric device becomes 105°C (221°F) or less, the system recovers automatically • If it detects that the temperature of the thermal electric device is 110°C (230°F) or more after the automatic system recovery, it immediately stops all output and enters the system OFF condition

Malfunction	Malfunctioning condition
The temperature of the thermal electric device is 45°C (113°F) or more in the COOL mode (any thermal electric device in the seatback or seat cushion)	• When it detects for 4 seconds that the temperature of the thermal electric device is between 45°C (113°F) and 70°C (158°F), it starts the temperature monitoring of the thermal electric device at 3 second intervals • While monitoring, if it detects that the temperature raises 2°C (36°F) or more 4 times continuously or reaches 70°C (158°F) or more, it stops all output and enters the system OFF condition • If it detects other results of monitoring, it continues activating in the COOL mode
Thermal electric device sensor system open circuit	• When it detects for 4 seconds that the thermal electric device sensor system is an open circuit
Climate controlled seat blower motor system open circuit	• When it detects for 2 seconds that climate controlled seat blower motor system is an open circuit while the climate controlled seat is being activated, it stops output to the thermal electric device • When it detects for 10 seconds that the climate controlled seat blower motor system is an open circuit while the climate controlled seat is being activated, it stops all output and enters the system OFF condition **NOTE:** After detecting the climate seat blower motor system open circuit for 2 seconds, the system recovers automatically if the activation of the climate controlled seat blower motor is detected for 1 second or more.
Switch input out of the specified range	• When it detects for 4 seconds that the rotary switch input is 30% or less of the vehicle battery voltage, it stops all output and enters the system OFF condition • When the switch input returns to a value within the specified range, the system recovers automatically
HEAT or COOL switch input out of the specified range	• When it detects for 4 seconds that rotary switch input is 6% or less of the vehicle battery voltage, it stops all output and enters the system OFF condition • When the switch input returns to a value within the specified range, the system recovers automatically
System voltage out of range	• System voltage* of the climate controlled seat control unit is out of the operation range (8.5 V – 16.5 V)

*: System voltage is the voltage between climate controlled seat control unit power source and the ground.

NOTE:

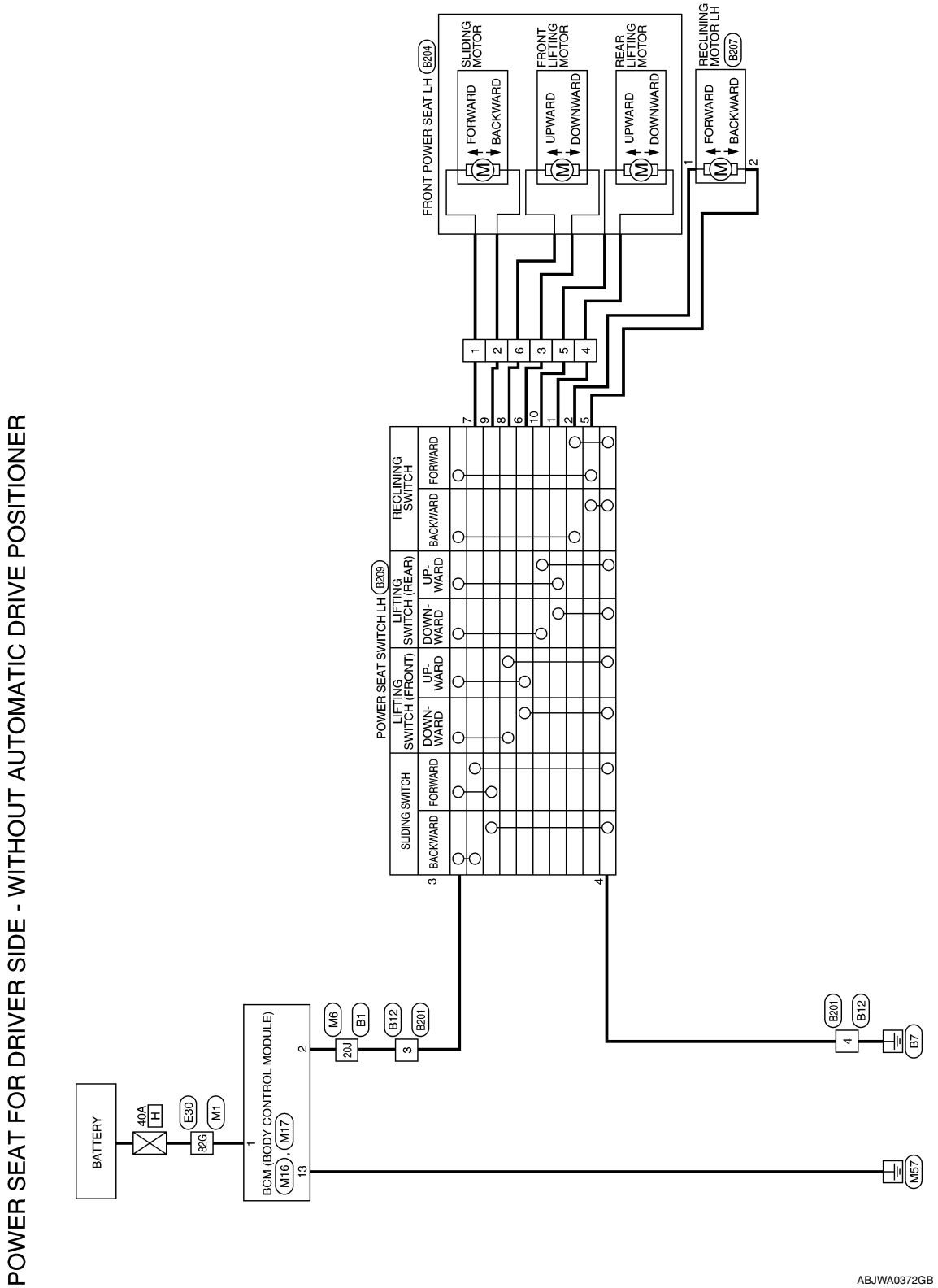
When the system enters in the fail-safe mode again after performing resetting procedure, perform diagnosis.

WIRING DIAGRAM

POWER SEAT FOR DRIVER SIDE

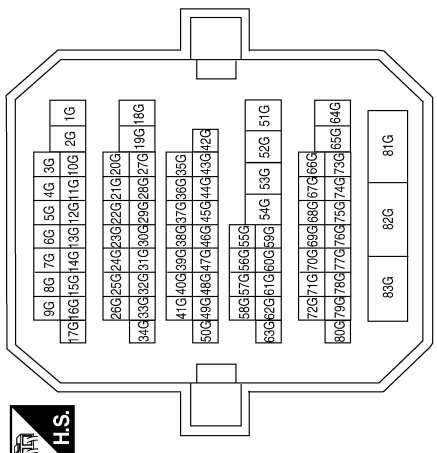
Wiring Diagram - Without Automatic Drive Positioner

INFOID:0000000010049487



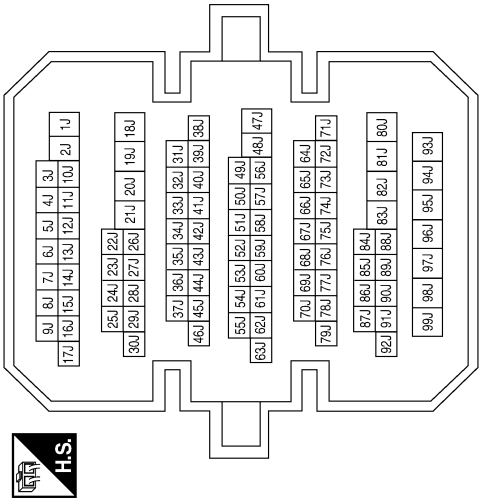
POWER SEAT FOR DRIVER SIDE CONNECTORS - WITHOUT AUTOMATIC DRIVE POSITIONER

Connector No.	M1
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
82G	W/B	–

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Color	WHITE

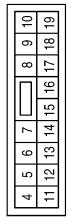


Terminal No.	Color of Wire	Signal Name
20J	R/Y	–

Connector No.	M16
Connector Name	BCM (BODY CONTROL MODULE)
Connector Color	BLACK

Terminal No.	Color of Wire	Signal Name
1	W/B	BATT (F/L)
2	R/Y	P/W POWER SUPPLY PERM

Connector No.	M17
Connector Name	BCM (BODY CONTROL MODULE)
Connector Color	WHITE

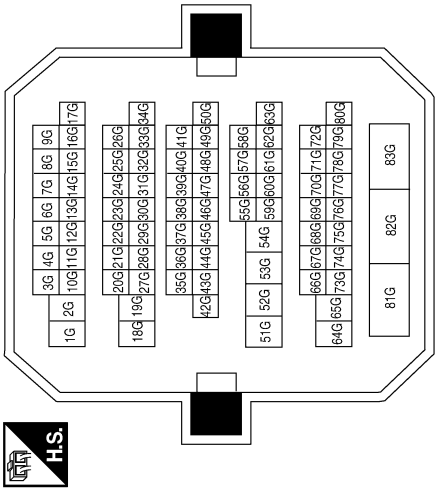


Terminal No.	Color of Wire	Signal Name
13	B	GND1

ABJIA0241GB

Connector No.	E30
Connector Name	WIRE TO WIRE
Connector Color	WHITE

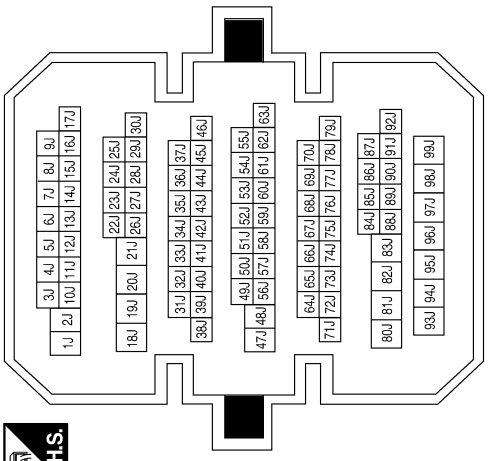
H.S.



Terminal No.	Color of Wire	Signal Name
82G	LG	–

Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Color	WHITE

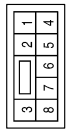
H.S.



Terminal No.	Color of Wire	Signal Name
20J	BR	–

Connector No.	B12
Connector Name	WIRE TO WIRE
Connector Color	WHITE

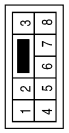
H.S.



Terminal No.	Color of Wire	Signal Name
3	BR	–
4	B/R	– (WITHOUT AUTOMATIC DRIVE POSITIONER)

Connector No.	B201
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.



Terminal No.	Color of Wire	Signal Name
3	R/Y	–
4	B	–

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Connector No.	B209
Connector Name	POWER SEAT SWITCH LH (WITHOUT AUTOMATIC DRIVE POSITIONER)
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
1	G	–
2	O	–
3	R/Y	–
4	B	–
5	GR	–
6	V	–
7	Y	–
8	B	–
9	R	–
10	V	–

Connector No.	B207
Connector Name	RECLINING MOTOR LH (WITHOUT AUTOMATIC DRIVE POSITIONER)
Connector Color	BLACK

H.S.

Terminal No.	Color of Wire	Signal Name
1	O	–
2	GR	–

Connector No.	B204
Connector Name	FRONT POWER SEAT LH (WITHOUT AUTOMATIC DRIVE POSITIONER)
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
1	Y	–
2	R	–
3	V	–
4	GR	–
5	O	–
6	B/W	–

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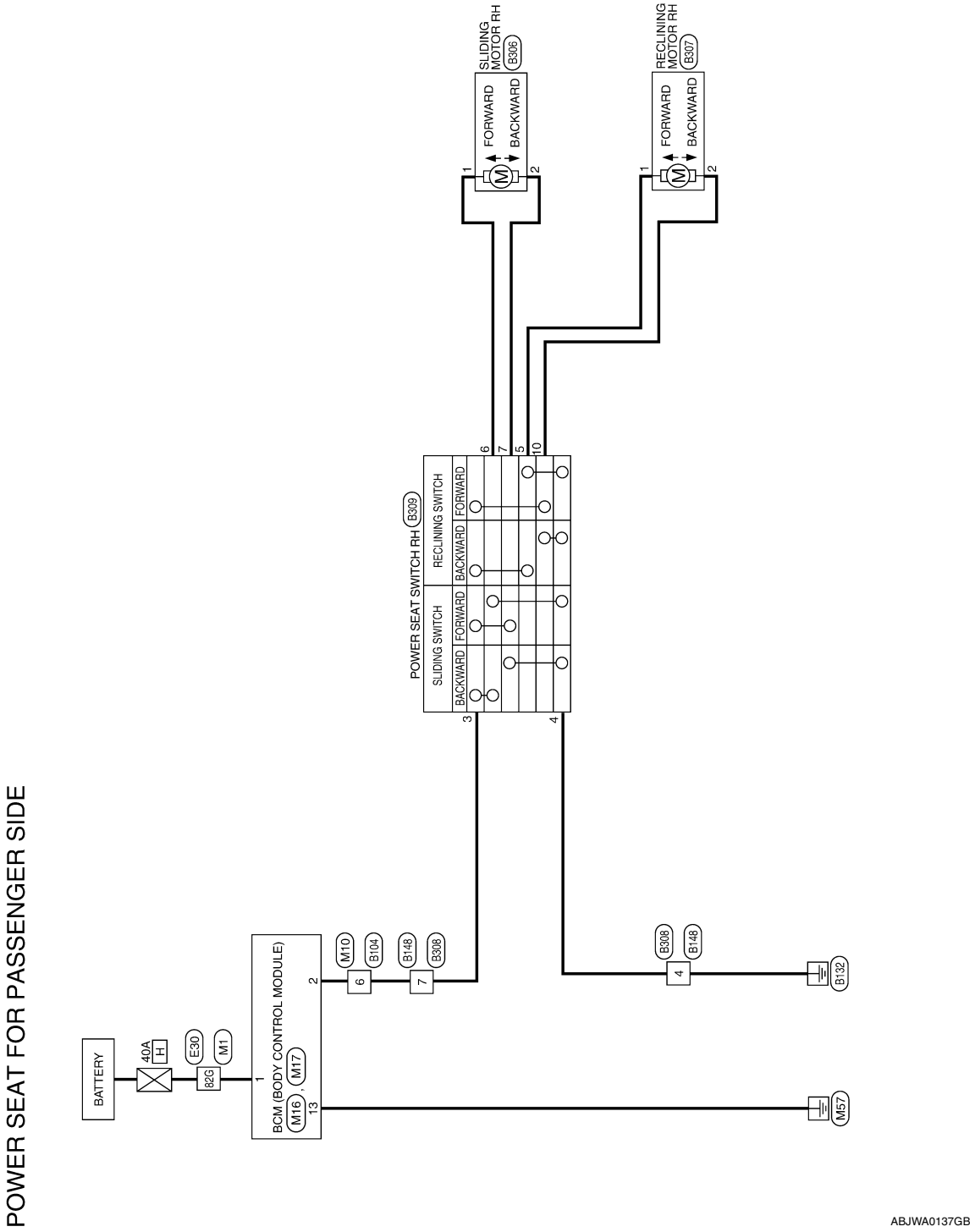
POWER SEAT FOR PASSENGER SIDE

Wiring Diagram

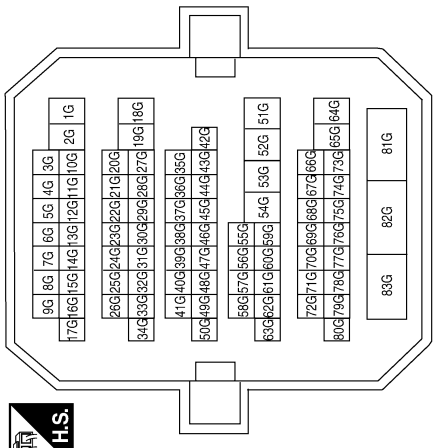
INFOID:0000000010049488



POWER SEAT FOR PASSENGER SIDE CONNECTORS

Connector No.	M1
Connector Name	WIRE TO WIRE
Connector Color	WHITE

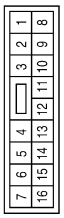
H.S.



Terminal No.	Color of Wire	Signal Name
82G	W/B	–

Connector No.	M10
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.



Terminal No.	Color of Wire	Signal Name
6	R/Y	–

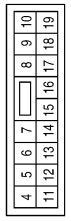
Connector No.	M16
Connector Name	BCM (BODY CONTROL MODULE)
Connector Color	BLACK

H.S.

Terminal No.	Color of Wire	Signal Name
1	W/B	BATT (F/L)
2	R/Y	P/W POWER SUPPLY PERM

Connector No.	M17
Connector Name	BCM (BODY CONTROL MODULE)
Connector Color	WHITE

H.S.



Terminal No.	Color of Wire	Signal Name
13	B	GND1

ABJIA0242GB

Connector No.	B104
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

1	2	3		4	5	6	7
8	9	10	11	12	13	14	15	16

Terminal No.	Color of Wire	Signal Name
6	SB	–

Connector No.	B307
Connector Name	RECLINING MOTOR RH
Connector Color	BLACK

H.S.

Terminal No.	Color of Wire	Signal Name
1	W	–
2	GR	–

Connector No.	E30
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
82G	LG	–

Connector No.	B306
Connector Name	SLIDING MOTOR RH
Connector Color	GRAY

H.S.

Terminal No.	Color of Wire	Signal Name
1	V	–
2	Y	–

Connector No.	B148
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

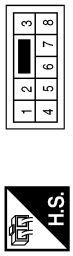
Terminal No.	Color of Wire	Signal Name
4	B	–
7	SB	–

ABJIA0385GB

Connector No.	B309
Connector Name	POWER SEAT SWITCH RH
Connector Color	WHITE

Terminal No.	Color of Wire	Signal Name
3	R/Y	–
4	B	–
5	W	–
6	V	–
7	Y	–
10	GR	–

Connector No.	B308
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
4	B	–
7	R/Y	–

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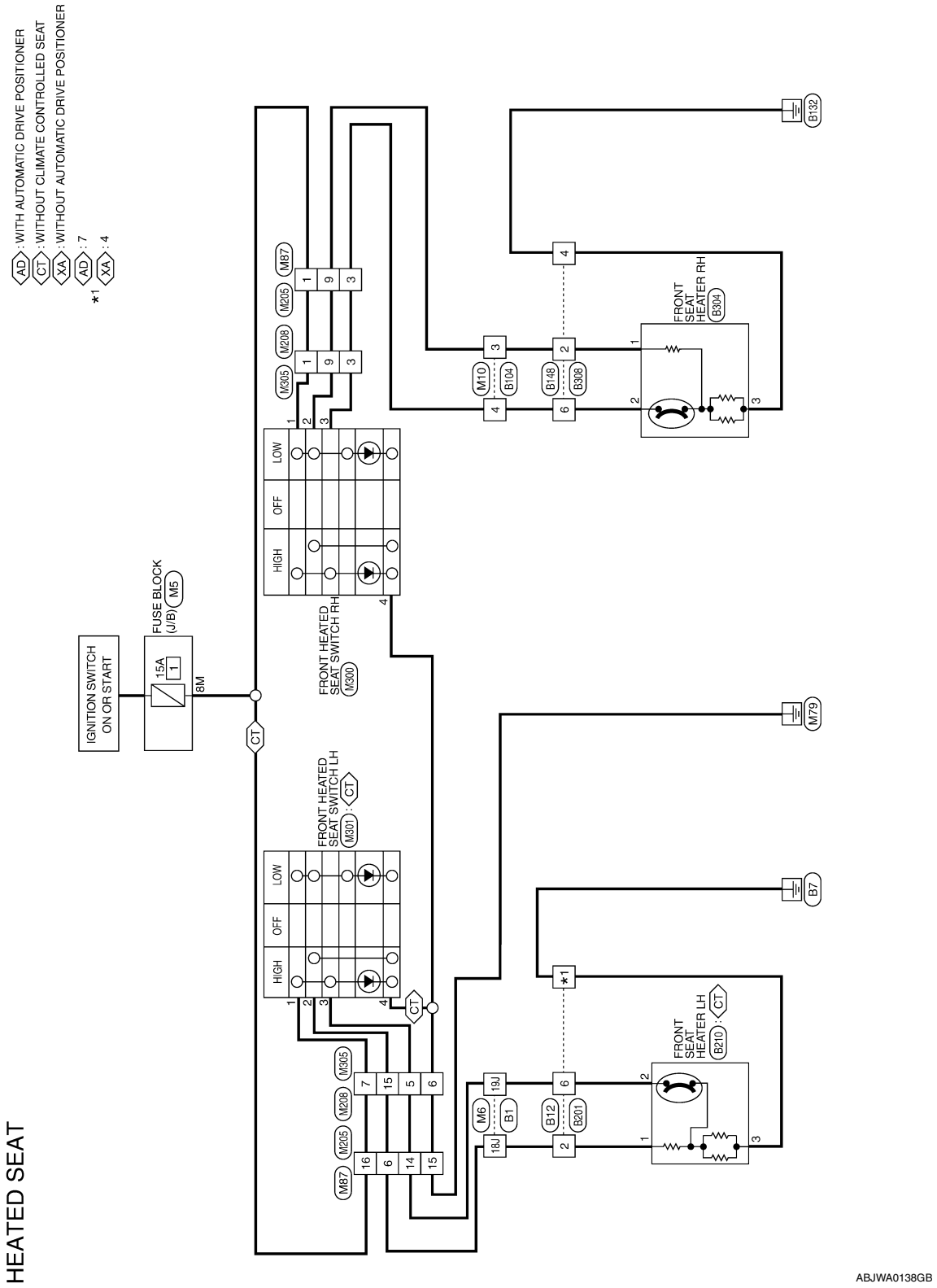
HEATED SEAT

Wiring Diagram

INFOID:0000000010049489



HEATED SEAT CONNECTORS

Connector No.	M5
Connector Name	FUSE BLOCK (J/B)
Connector Color	WHITE

H.S.

5M	4M		3M	2M	1M
12M	11M	10M	9M	8M	7M	6M

Terminal No.	Color of Wire	Signal Name
8M	G/R	–

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

9J	8J	7J	6J	5J	4J	3J		2J	1J
17J	16J	15J	14J	13J	12J	11J	10J		
					22J				
				25J	24J	23J			
				30J	29J	28J	27J	26J	21J	20J	19J	18J
			37J	36J	35J	34J	33J	32J	31J		
			46J	45J	44J	43J	42J	41J	40J	39J	38J	
			55J	54J	53J	52J	51J	50J	49J		
			63J	62J	61J	60J	59J	58J	57J	56J	48J	47J
			70J	69J	68J	67J	66J	65J	64J		
			79J	78J	77J	76J	75J	74J	73J	72J	71J	
			87J	86J	85J	84J						
			92J	91J	90J	89J	88J	83J	82J	81J	80J	
			99J	98J	97J	96J	95J	94J	93J			

Terminal No.	Color of Wire	Signal Name
18J	GR	–
19J	GR/R	–

Connector No.	M10
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

7	6	5	4		3	2	1
16	15	14	13	12	11	10	9	8

Terminal No.	Color of Wire	Signal Name
3	GR/L	–
4	GR/B	–

Connector No.	M87
Connector Name	WIRE TO WIRE
Connector Color	BROWN

H.S.

7	6	5	4		3	2	1
16	15	14	13	12	11	10	9	8

Terminal No.	Color of Wire	Signal Name
1	G/R	–
3	GR/B	–
6	GR	–
9	GR/L	–
14	GR/R	–
15	B	–
16	G/R	–

Connector No.	M205
Connector Name	WIRE TO WIRE
Connector Color	BROWN

H.S.

1	2	3		4	5	6	7
8	9	10	11	12	13	14	15	16

Terminal No.	Color of Wire	Signal Name
1	G/R	–
3	GR/B	–
6	GR	–
9	GR/L	–
14	GR/R	–
15	B	–
16	G/R	–

AAJIA0025GB

Connector No.	M208
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

1	2	3		4	5	6	7
8	9	10	11	12	13	14	15	16

Terminal No.	Color of Wire	Signal Name
1	G/R	–
3	GR/B	–
5	GR/R	–
6	B	–
7	G/R	–
9	GR/L	–
15	GR	–

Connector No.	M305
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

7	6	5	4		3	2	1
16	15	14	13	12	11	10	9	8

Terminal No.	Color of Wire	Signal Name
1	SB	–
3	GR	–
5	O	–
6	B	–
7	P	–
9	G	–
15	W	–

Connector No.	M300
Connector Name	FRONT HEATED SEAT SWITCH RH
Connector Color	BROWN

H.S.

5		6
4	2	1	3

Terminal No.	Color of Wire	Signal Name
1	SB	–
2	G	–
3	GR	–
4	B	–

Connector No.	M301
Connector Name	FRONT HEATED SEAT SWITCH LH
Connector Color	WHITE

H.S.

5		6
4	2	1	3

Terminal No.	Color of Wire	Signal Name
1	P	–
2	W	–
3	O	–
4	B	–

Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
18J	W	–
19J	O	–

AAJIA0026GB

Connector No.	B12
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

3		2	1
8	7	6	5	4

Terminal No.	Color of Wire	Signal Name
2	W	–
4	B/R	– (WITHOUT AUTOMATIC DRIVE POSITIONER)
6	O	–
7	B/W	– (WITHOUT CLIMATE CONTROLLED SEAT)

Connector No.	B104
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

1	2	3		4	5	6	7
8	9	10	11	12	13	14	15	16

Terminal No.	Color of Wire	Signal Name
3	G	–
4	GR	–

Connector No.	B148
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

3		2	1
8	7	6	5	4

Terminal No.	Color of Wire	Signal Name
2	G	–
4	B	–
6	GR	–

Connector No.	B201
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

1	2		3
4	5	6	7	8

Terminal No.	Color of Wire	Signal Name
2	GR	–
4	B	–
6	GR/W	–
7	GR/B	–

Connector No.	B210
Connector Name	FRONT SEAT HEATER LH
Connector Color	WHITE

H.S.

1	
2	3

Terminal No.	Color of Wire	Signal Name
1	GR	–
2	GR/W	–
3	W/B	–

Connector No.	B304
Connector Name	FRONT SEAT HEATER RH
Connector Color	WHITE

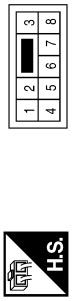
H.S.

1	
2	3

Terminal No.	Color of Wire	Signal Name
1	GR/G	–
2	GR/R	–
3	B	–

ABJIA0494GB

Connector No.	B308
Connector Name	WIRE TO WIRE
Connector Color	WHITE



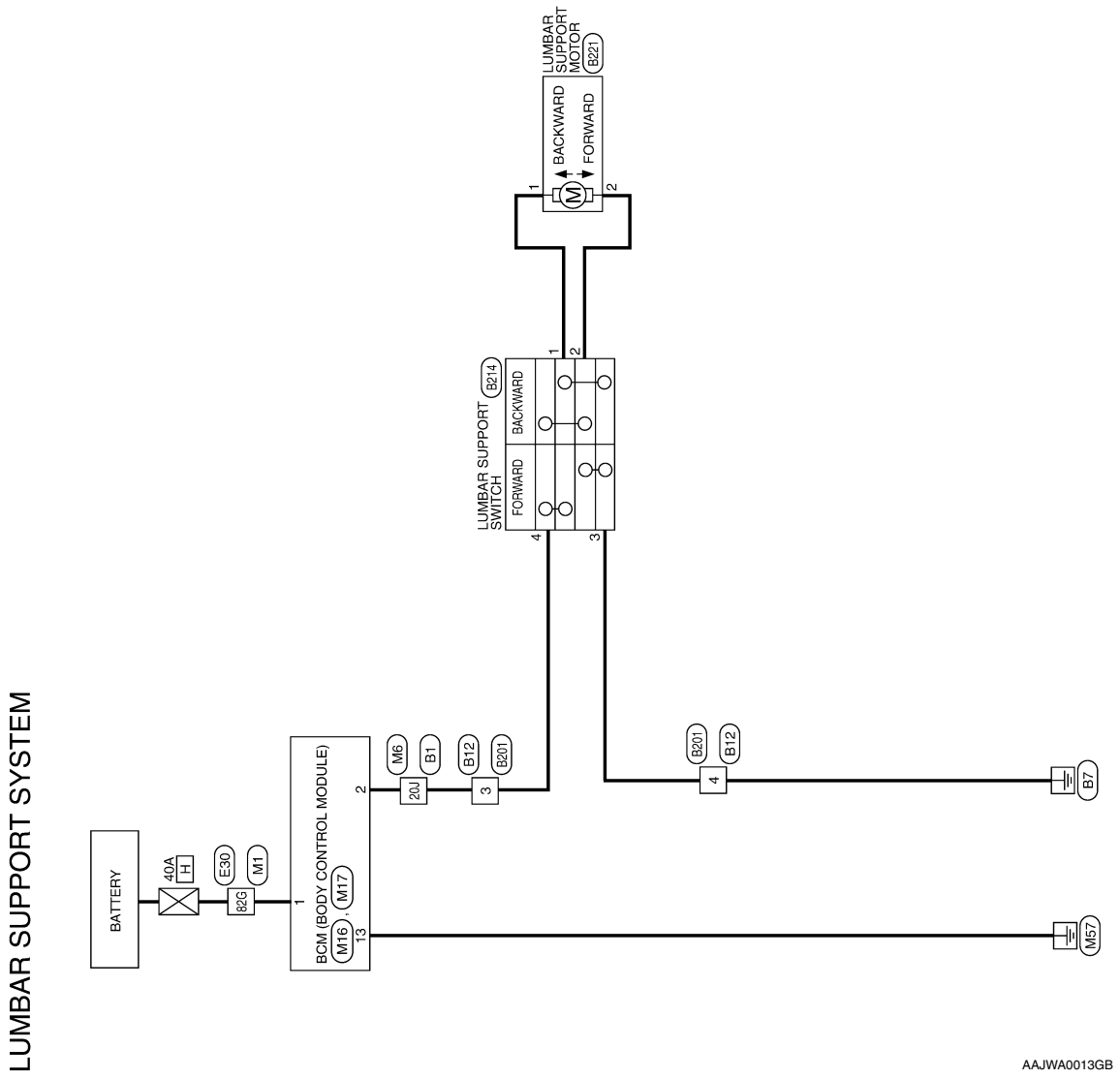
Terminal No.	Color of Wire	Signal Name
2	GR/G	–
4	B	–
6	GR/R	–

AAJIA0028GB

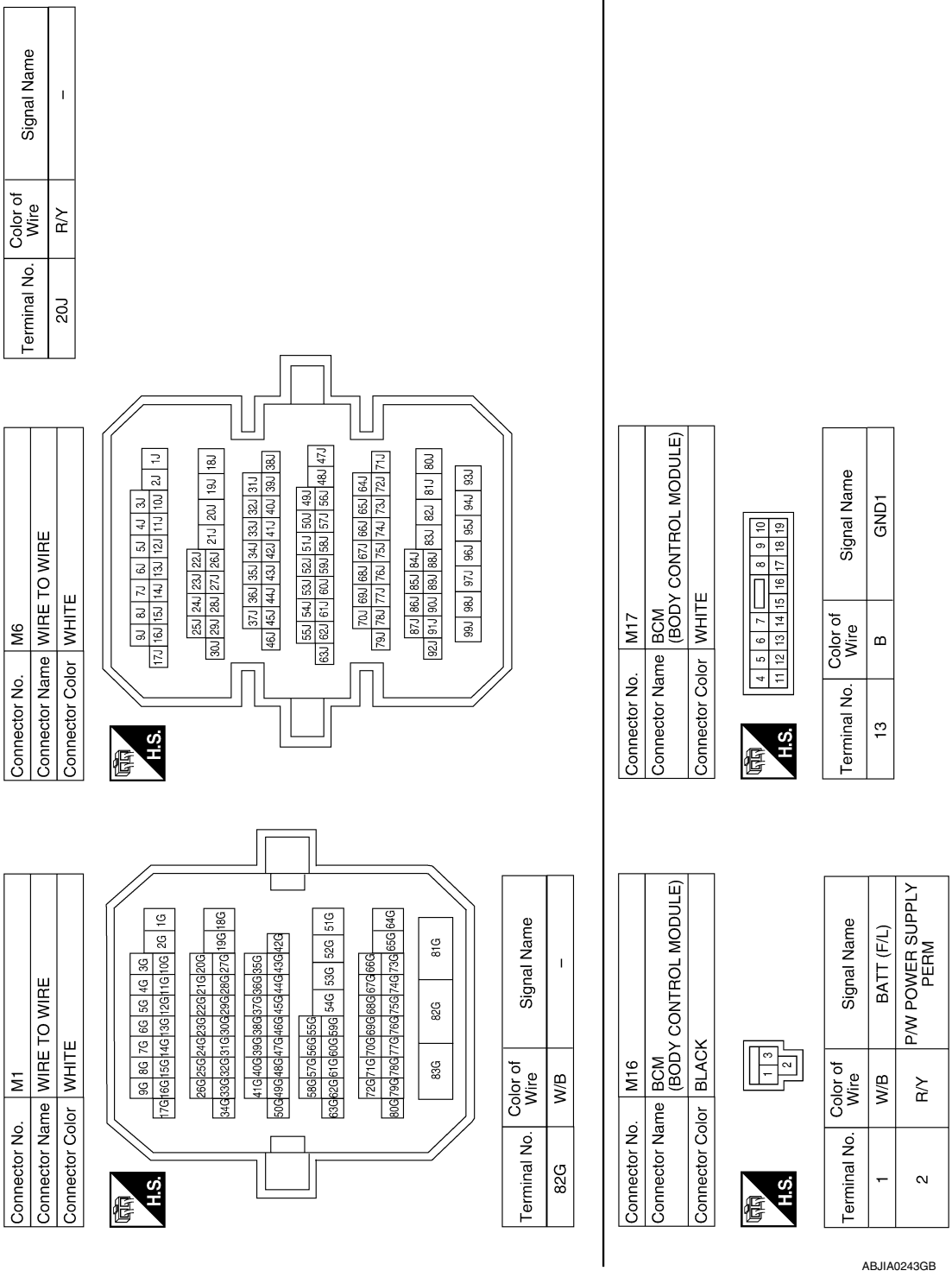
LUMBAR SUPPORT SYSTEM

Wiring Diagram

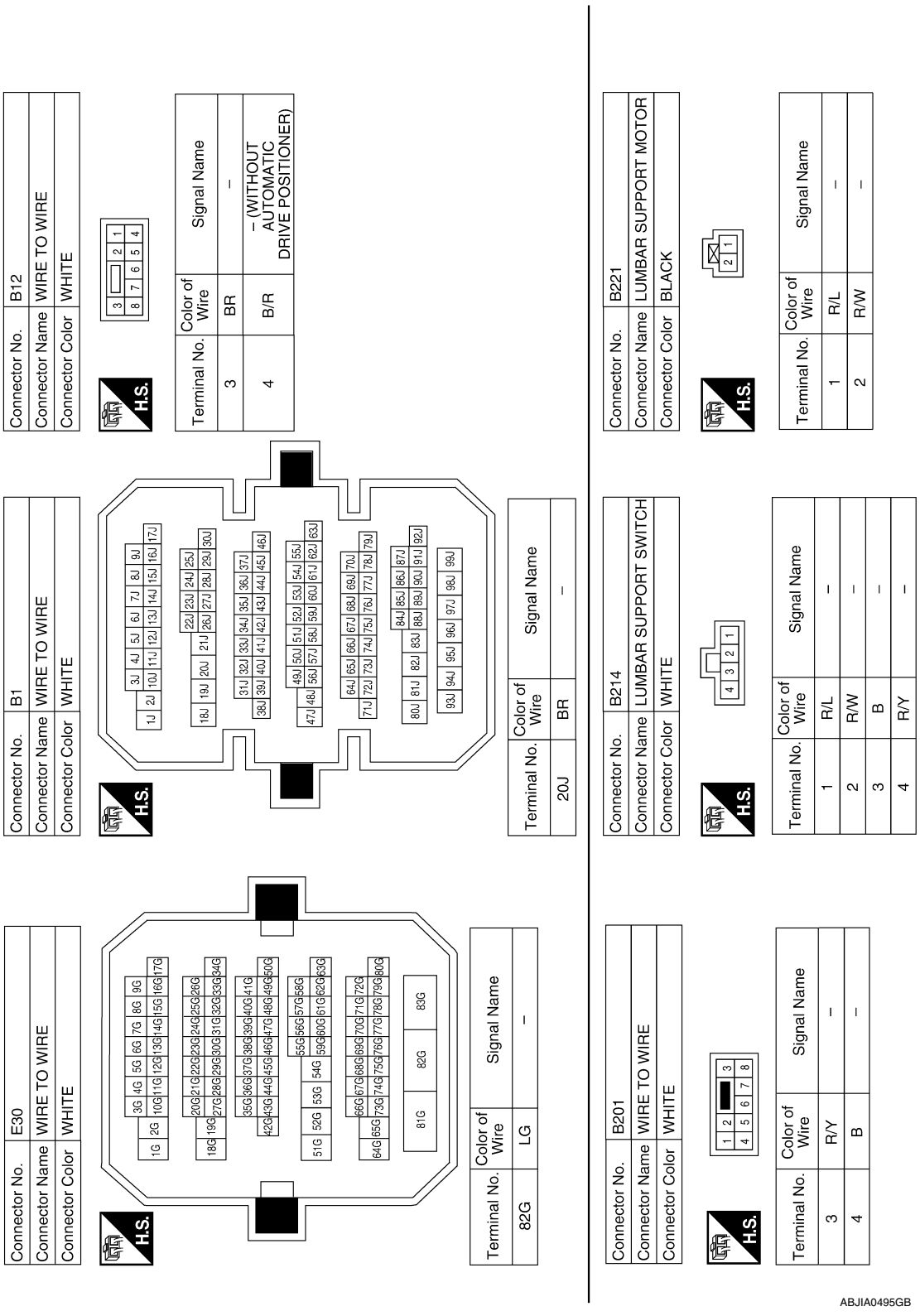
INFOID:0000000010049490



LUMBAR SUPPORT SYSTEM CONNECTORS



ABJIA0243GB

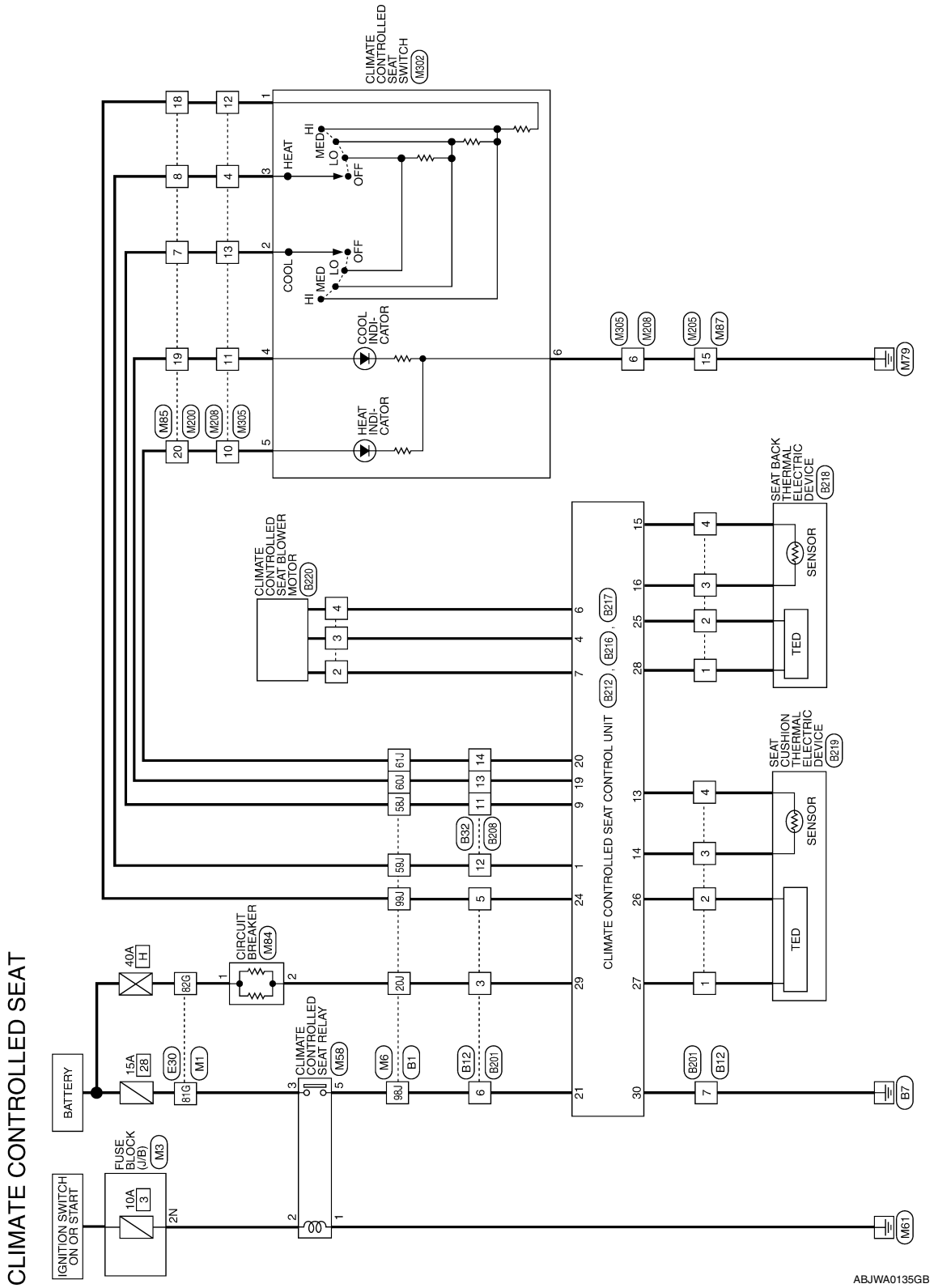


ABJIA0495GB

CLIMATE CONTROLLED SEAT

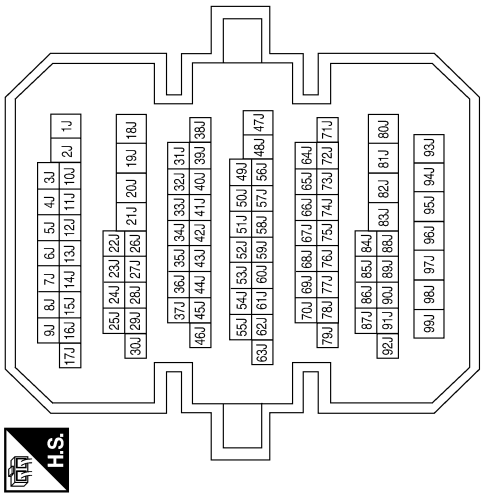
Wiring Diagram

INFOID:0000000010049491



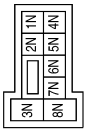
CLIMATE CONTROLLED SEAT CONNECTORS

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Color	WHITE



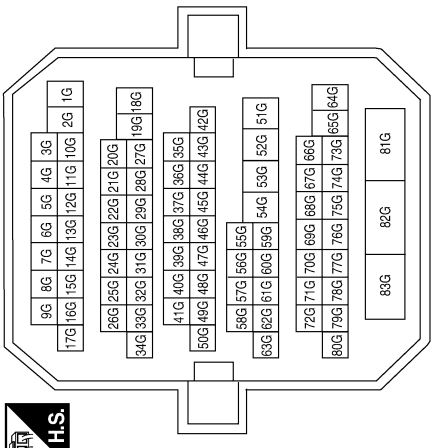
Terminal No.	Color of Wire	Signal Name
20J	R/Y	–
58J	G	–
59J	R/G	–
60J	BR/Y	–
61J	G/R	–
98J	W	–
99J	GR	–

Connector No.	M3
Connector Name	FUSE BLOCK (J/B)
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
2N	G	–

Connector No.	M1
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
81G	R/W	–
82G	W/B	–

ABJIA0246GB

Connector No.	M58
Connector Name	CLIMATE CONTROLLED SEAT RELAY
Connector Color	BLUE

H.S.

Terminal No.	Color of Wire	Signal Name
1	B	–
2	G	–
3	R/W	–
5	W	–

Connector No.	M84
Connector Name	CIRCUIT BREAKER
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
1	W/B	–
2	R/Y	–

Connector No.	M85
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
7	G	–
8	R/G	–
18	GR	–
19	BR/Y	–
20	G/R	–

Connector No.	M87
Connector Name	WIRE TO WIRE
Connector Color	BROWN

H.S.

Terminal No.	Color of Wire	Signal Name
15	B	–

Connector No.	M200
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
7	G	–
8	R/G	–
18	GR	–
19	BR/Y	–
20	G/R	–

Connector No.	M205
Connector Name	WIRE TO WIRE
Connector Color	BROWN

H.S.

Terminal No.	Color of Wire	Signal Name
15	B	–

ABJIA0164GB

Connector No.	M208
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

1	2	3		4	5	6	7
8	9	10	11	12	13	14	15	16

Terminal No.	Color of Wire	Signal Name
4	R/G	–
6	B	–
10	G/R	–
11	BR/Y	–
12	GR	–
13	G	–

Connector No.	M302
Connector Name	CLIMATE CONTROLLED SEAT SWITCH
Connector Color	WHITE

H.S.

1		2	3
4	5	6	7	8

Terminal No.	Color of Wire	Signal Name
1	W	–
2	LG	–
3	V	–
4	BR	–
5	O	–
6	B	–

Connector No.	M305
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

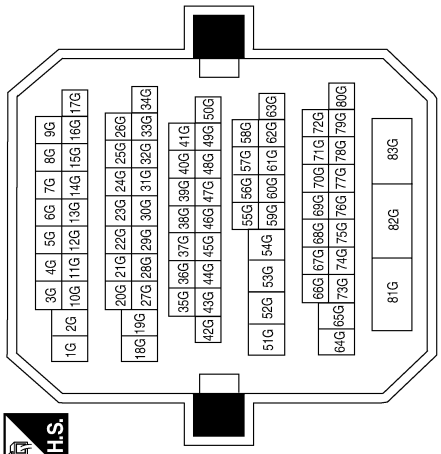
7	6	5	4		3	2	1
16	15	14	13	12	11	10	9	8

Terminal No.	Color of Wire	Signal Name
4	V	–
6	B	–
10	O	–
11	BR	–
12	W	–
13	LG	–

Terminal No.	Color of Wire	Signal Name
81G	P	–
82G	LG	–

Connector No.	E30
Connector Name	WIRE TO WIRE
Connector Color	WHITE

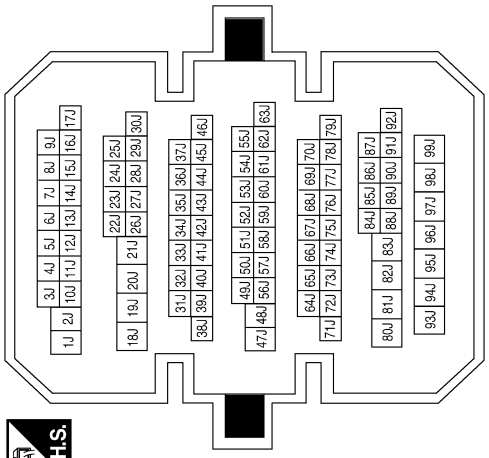
H.S.



ABJIA0387GB

Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Color	WHITE

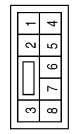
H.S.



Terminal No.	Color of Wire	Signal Name
20J	BR	–
58J	GR	–
59J	L	–
60J	G	–
61J	O	–
98J	O	–
99J	W	–

Connector No.	B12
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.



Terminal No.	Color of Wire	Signal Name
3	BR	–
5	W	–
6	O	–
7	B/Y	– (WITH CLIMATE CONTROLLED SEAT)

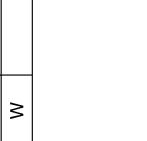
Connector No.	B32
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
11	GR	–
12	L	–
13	G	–
14	O	–

Connector No.	B201
Connector Name	WIRE TO WIRE
Connector Color	WHITE

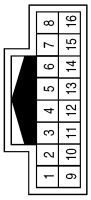
H.S.



Terminal No.	Color of Wire	Signal Name
3	R/Y	–
5	GR	–
6	GR/W	–
7	GR/B	–

Connector No.	B208
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.



Terminal No.	Color of Wire	Signal Name
11	BR	–
12	V	–
13	L	–
14	O	–

ABJIA0496GB

Connector No.	B212
Connector Name	CLIMATE CONTROLLED SEAT CONTROL UNIT
Connector Color	BLACK

H.S.

1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16

Terminal No.	Color of Wire	Signal Name
1	O	HEAT SWITCH INPUT
2	–	–
3	–	–
4	V	BLOWER MOTOR SPEED CONTROL
5	–	–
6	B	BLOWER GND
7	R	BLOWER POWER
8	–	–
9	L	COOL SWITCH INPUT

Connector No.	B216
Connector Name	CLIMATE CONTROLLED SEAT CONTROL UNIT
Connector Color	BLACK

H.S.

17	18	19	20
21	22	23	24

Terminal No.	Color of Wire	Signal Name
17	–	–
18	–	–
19	V	COOL ON INDICATOR
20	BR	HEAT ON INDICATOR
21	GR/W	IGN
22	–	–
23	–	–
24	GR	HEAT/COOL SW RESISTOR PWR

Terminal No.	Color of Wire	Signal Name
10	–	–
11	–	–
12	–	–
13	G/B	CUSHION SENSOR GND
14	G/R	CUSHION SENSOR SIGNAL
15	G/Y	BACK SENSOR GND
16	G	BACK SENSOR SIGNAL

Connector No.	B218
Connector Name	SEAT BACK THERMAL ELECTRIC DEVICE
Connector Color	WHITE

H.S.

4	3	2	1

Terminal No.	Color of Wire	Signal Name
1	L	–
2	Y	–
3	G	–
4	G/Y	–

Connector No.	B219
Connector Name	SEAT CUSHION THERMAL ELECTRIC DEVICE
Connector Color	WHITE

H.S.

4	3	2	1

Terminal No.	Color of Wire	Signal Name
1	L/O	–
2	Y/B	–
3	G/R	–
4	G/B	–

Connector No.	B217
Connector Name	CLIMATE CONTROLLED SEAT CONTROL UNIT
Connector Color	BLACK

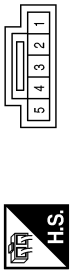
H.S.

25	26	27	28	29	30

Terminal No.	Color of Wire	Signal Name
25	Y	BACK TED 1
26	Y/B	CUSHION TED 1
27	L/O	CUSHION TED 2
28	L	BACK TED 2
29	GR/W	BAT (PTC)
30	GR/B	GND

ABJIA0650GB

Connector No.	B220
Connector Name	CLIMATE CONTROLLED SEAT BLOWER MOTOR
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
2	R	–
3	V	–
4	B	–

AAJIA0403GB

SYMPTOM DIAGNOSIS

CLIMATE CONTROLLED SEAT SYSTEM

Symptom Table

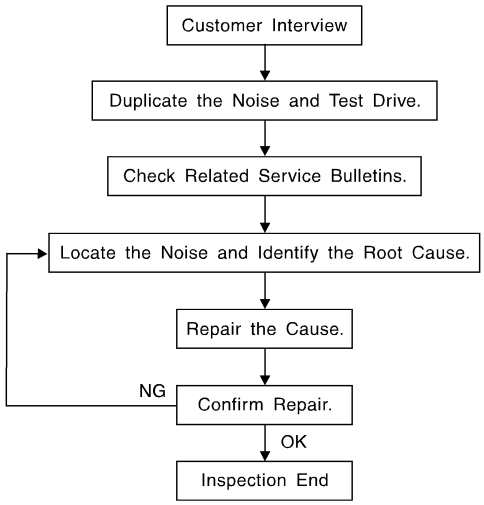
INFOID:0000000010049492

Symptom		Inspection item
Climate controlled seat inoperative.		Power supply and ground circuit Refer to SE-8, "CLIMATE CONTROLLED SEAT CONTROL UNIT : Diagnosis Procedure".
Climate controlled seat blower motor inoperative.		Climate controlled seat blower motor Refer to SE-12, "Diagnosis Procedure".
Seat cushion thermal electric device inoperative.		Seat cushion thermal electric device Refer to SE-15, "Diagnosis Procedure".
Seatback thermal electric device inoperative.		Seatback thermal electric device Refer to SE-18, "Diagnosis Procedure".
Climate controlled seat switch LO, MED or HI inoperative.		Climate controlled seat switch Refer to SE-20, "Diagnosis Procedure".
Climate controlled seat switch indicator inoperative.		Climate controlled seat switch indicator Refer to SE-23, "Diagnosis Procedure".
Climate controlled seat turns off too soon.	Climate controlled seat switch indicator turns off within 10 seconds of turning on.	Malfunction caused by electrical issue. Check the following: • Connectors for physical damage or loose terminals. • Seat cushion thermal electric device. Refer to SE-15, "Diagnosis Procedure". • Seatback thermal electric device. Refer to SE-18, "Diagnosis Procedure". • Climate controlled seat blower motor. Refer to SE-12, "Diagnosis Procedure".
	Climate controlled seat switch indicator turns off 30 seconds or more after turning on.	Malfunction caused by mechanical issue. Check the following: • Foam seat pads not aligned for thermal electric device outlet. • Thermal electric device ducting restricted or disconnected. • Climate controlled seat blower motor inlet restricted.

SQUEAK AND RATTLE TROUBLE DIAGNOSES

Work Flow

INFOID:0000000010049493



SBT842

CUSTOMER INTERVIEW

Interview the customer if possible, to determine the conditions that exist when the noise occurs. Use the Diagnostic Worksheet during the interview to document the facts and conditions when the noise occurs and any customer's comments; refer to SE-56, "Diagnostic Worksheet". This information is necessary to duplicate the conditions that exist when the noise occurs.

- The customer may not be able to provide a detailed description or the location of the noise. Attempt to obtain all the facts and conditions that exist when the noise occurs (or does not occur).
- If there is more than one noise in the vehicle, be sure to diagnose and repair the noise that the customer is concerned about. This can be accomplished by test driving the vehicle with the customer.
- After identifying the type of noise, isolate the noise in terms of its characteristics. The noise characteristics are provided so the customer, service adviser and technician are all speaking the same language when defining the noise.
- Squeak —(Like tennis shoes on a clean floor)
  Squeak characteristics include the light contact/fast movement/brought on by road conditions/hard surfaces = higher pitch noise/softer surfaces = lower pitch noises/edge to surface = chirping.
- Creak—(Like walking on an old wooden floor)
  Creak characteristics include firm contact/slow movement/twisting with a rotational movement/pitch dependent on materials/often brought on by activity.
- Rattle—(Like shaking a baby rattle)
  Rattle characteristics include the fast repeated contact/vibration or similar movement/loose parts/missing clip or fastener/incorrect clearance.
- Knock —(Like a knock on a door)
  Knock characteristics include hollow sounding/sometimes repeating/often brought on by driver action.
- Tick—(Like a clock second hand)
  Tick characteristics include gentle contacting of light materials/loose components/can be caused by driver action or road conditions.
- Thump—(Heavy, muffled knock noise)
  Thump characteristics include softer knock/dead sound often brought on by activity.
- Buzz—(Like a bumble bee)
  Buzz characteristics include high frequency rattle/firm contact.
- Often the degree of acceptable noise level will vary depending upon the person. A noise that you may judge as acceptable may be very irritating to the customer.
- Weather conditions, especially humidity and temperature, may have a great effect on noise level.

DUPLICATE THE NOISE AND TEST DRIVE

If possible, drive the vehicle with the customer until the noise is duplicated. Note any additional information on the Diagnostic Worksheet regarding the conditions or location of the noise. This information can be used to duplicate the same conditions when you confirm the repair.

If the noise can be duplicated easily during the test drive, to help identify the source of the noise, try to duplicate the noise with the vehicle stopped by doing one or all of the following:

1) Close a door.
2) Tap or push/pull around the area where the noise appears to be coming from.
3) Rev the engine.
4) Use a floor jack to recreate vehicle “twist”.
5) At idle, apply engine load (electrical load, half-clutch on M/T model, drive position on CVT and A/T models).
6) Raise the vehicle on a hoist and hit a tire with a rubber hammer.

- Drive the vehicle and attempt to duplicate the conditions the customer states exist when the noise occurs.
- If it is difficult to duplicate the noise, drive the vehicle slowly on an undulating or rough road to stress the vehicle body.

CHECK RELATED SERVICE BULLETINS

After verifying the customer concern or symptom, check ASIST for Technical Service Bulletins (TSBs) related to that concern or symptom.
If a TSB relates to the symptom, follow the procedure to repair the noise.

LOCATE THE NOISE AND IDENTIFY THE ROOT CAUSE

1. Narrow down the noise to a general area. To help pinpoint the source of the noise, use a listening tool (Chassis Ear: J-39570, Engine Ear: J-39565 and mechanic's stethoscope).
2. Narrow down the noise to a more specific area and identify the cause of the noise by:
   - removing the components in the area that you suspect the noise is coming from.
     Do not use too much force when removing clips and fasteners, otherwise clips and fasteners can be broken or lost during the repair, resulting in the creation of new noise.
   - tapping or pushing/pulling the component that you suspect is causing the noise.
     Do not tap or push/pull the component with excessive force, otherwise the noise will be eliminated only temporarily.
   - feeling for a vibration with your hand by touching the component(s) that you suspect is (are) causing the noise.
   - placing a piece of paper between components that you suspect are causing the noise.
   - looking for loose components and contact marks.
     Refer to SE-53, "Generic Squeak and Rattle Troubleshooting".

REPAIR THE CAUSE

- If the cause is a loose component, tighten the component securely.
- If the cause is insufficient clearance between components:
- separate components by repositioning or loosening and retightening the component, if possible.
- insulate components with a suitable insulator such as urethane pads, foam blocks, felt cloth tape or urethane tape. A NISSAN Squeak and Rattle Kit (J-50397) is available through your authorized NISSAN Parts Department.

CAUTION:
Do not use excessive force as many components are constructed of plastic and may be damaged.
NOTE:

- Always check with the Parts Department for the latest parts information.
- The materials contained in the NISSAN Squeak and Rattle Kit (J-50397) are listed on the inside cover of the kit; and can each be ordered separately as needed.
- The following materials not found in the kit can also be used to repair squeaks and rattles.
- SILICONE GREASE: Use instead of UHMW tape that will be visible or does not fit. The silicone grease will only last a few months.
- SILICONE SPRAY: Use when grease cannot be applied.
- DUCT TAPE: Use to eliminate movement.

CONFIRM THE REPAIR

Confirm that the cause of a noise is repaired by test driving the vehicle. Operate the vehicle under the same conditions as when the noise originally occurred. Refer to the notes on the Diagnostic Worksheet.

Generic Squeak and Rattle Troubleshooting

INFOID:0000000010049494

Refer to Table of Contents for specific component removal and installation information.

INSTRUMENT PANEL

Most incidents are caused by contact and movement between:

1. Cluster lid A and the instrument panel
2. Acrylic lens and combination meter housing
3. Instrument panel to front pillar finisher
4. Instrument panel to windshield
5. Instrument panel pins
6. Wiring harnesses behind the combination meter
7. A/C defroster duct and duct joint

These incidents can usually be located by tapping or moving the components to duplicate the noise or by pressing on the components while driving to stop the noise. Most of these incidents can be repaired by applying felt cloth tape or silicone spray (in hard to reach areas). Urethane pads can be used to insulate wiring harness.

CAUTION:

Do not use silicone spray to isolate a squeak or rattle. If you saturate the area with silicone, you will not be able to recheck the repair.

CENTER CONSOLE

Components to pay attention to include:

1. Shift selector assembly cover to finisher
2. A/C control unit and cluster lid C
3. Wiring harnesses behind audio and A/C control unit

The instrument panel repair and isolation procedures also apply to the center console.

DOORS

Pay attention to the:

1. Finisher and inner panel making a slapping noise
2. Inside handle escutcheon to door finisher
3. Wiring harnesses tapping
4. Door striker out of alignment causing a popping noise on starts and stops

Tapping or moving the components or pressing on them while driving to duplicate the conditions can isolate many of these incidents. You can usually insulate the areas with felt cloth tape or insulator foam blocks from the NISSAN Squeak and Rattle Kit (J-50397) to repair the noise.

TRUNK

Trunk noises are often caused by a loose jack or loose items put into the trunk by the owner.
In addition look for:

1. Trunk lid bumpers out of adjustment
2. Trunk lid striker out of adjustment
3. The trunk lid torsion bars knocking together
4. A loose license plate or bracket

Most of these incidents can be repaired by adjusting, securing or insulating the item(s) or component(s) causing the noise.

SUNROOF/HEADLINING

Noises in the sunroof/headlining area can often be traced to one of the following:

1. Sunroof lid, rail, linkage or seals making a rattle or light knocking noise
2. Sun visor shaft shaking in the holder
3. Front or rear windshield touching headlining and squeaking

Again, pressing on the components to stop the noise while duplicating the conditions can isolate most of these incidents. Repairs usually consist of insulating with felt cloth tape.

OVERHEAD CONSOLE (FRONT AND REAR)

Overhead console noises are often caused by the console panel clips not being engaged correctly. Most of these incidents are repaired by pushing up on the console at the clip locations until the clips engage.
In addition look for:

1. Loose harness or harness connectors.
2. Front console map/reading lamp lens loose.

3. Loose screws at console attachment points.

SEATS

When isolating seat noise it's important to note the position the seat is in and the load placed on the seat when the noise is present. These conditions should be duplicated when verifying and isolating the cause of the noise.

Cause of seat noise include:

1. Headrest rods and holder
2. A squeak between the seat pad cushion and frame
3. The rear seatback lock and bracket

These noises can be isolated by moving or pressing on the suspected components while duplicating the conditions under which the noise occurs. Most of these incidents can be repaired by repositioning the component or applying urethane tape to the contact area.

UNDERHOOD

Some interior noise may be caused by components under the hood or on the engine wall. The noise is then transmitted into the passenger compartment.

Causes of transmitted underhood noise include:

1. Any component installed to the engine wall
2. Components that pass through the engine wall
3. Engine wall mounts and connectors
4. Loose radiator installation pins
5. Hood bumpers out of adjustment
6. Hood striker out of adjustment

These noises can be difficult to isolate since they cannot be reached from the interior of the vehicle. The best method is to secure, move or insulate one component at a time and test drive the vehicle. Also, engine rpm or load can be changed to isolate the noise. Repairs can usually be made by moving, adjusting, securing, or insulating the component causing the noise.

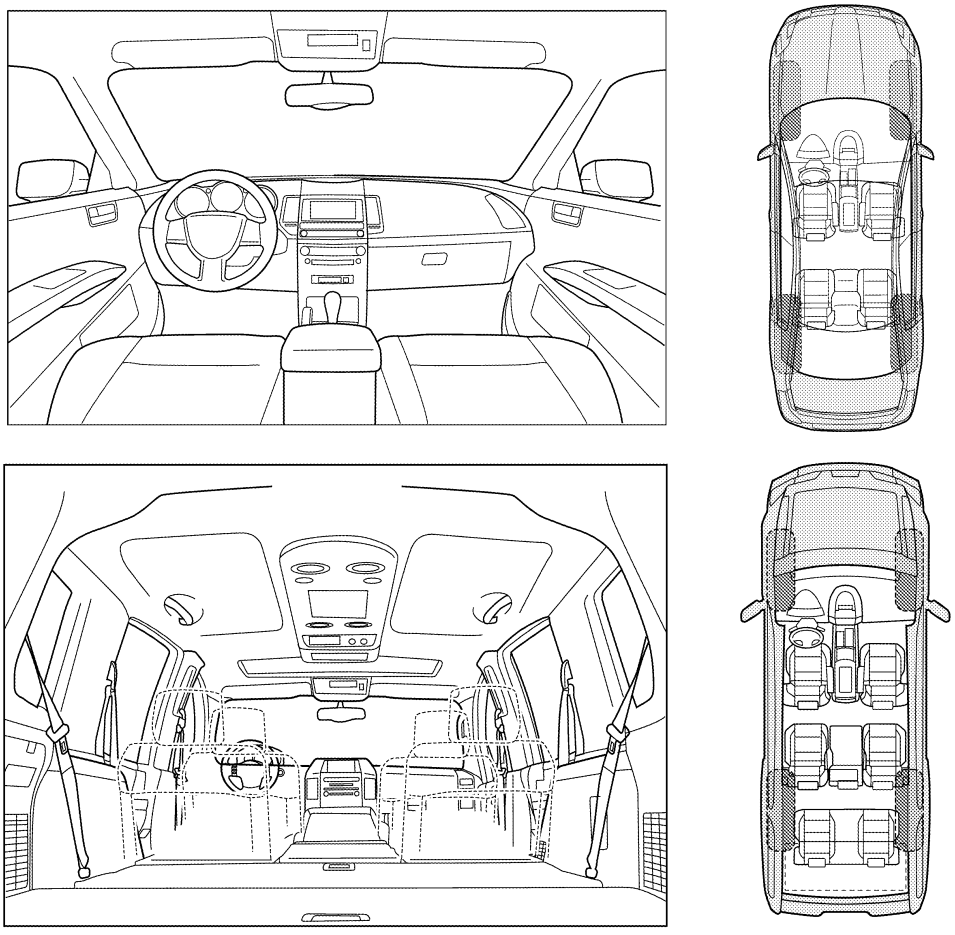
Diagnostic Worksheet

INFOID:0000000010049495

Dear Customer:
We are concerned about your satisfaction with your vehicle. Repairing a squeak or rattle sometimes can be very difficult. To help us fix your vehicle right the first time, please take a moment to note the area of the vehicle where the squeak or rattle occurs and under what conditions. You may be asked to take a test drive with a service advisor or technician to ensure we confirm the noise you are hearing.

SQUEAK & RATTLE DIAGNOSTIC WORKSHEET

I. WHERE DOES THE NOISE COME FROM? (circle the area of the vehicle)
The illustrations are for reference only, and may not reflect the actual configuration of your vehicle.



Continue to page 2 of the worksheet and briefly describe the location of the noise or rattle. In addition, please indicate the conditions which are present when the noise occurs.

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SQUEAK & RATTLE DIAGNOSTIC WORKSHEET - page 2

Briefly describe the location where the noise occurs:

_____

_____

II. WHEN DOES IT OCCUR? (please check the boxes that apply)

- ☐ Anytime
- ☐ 1st time in the morning
- ☐ Only when it is cold outside
- ☐ Only when it is hot outside
- ☐ After sitting out in the rain
- ☐ When it is raining or wet
- ☐ Dry or dusty conditions
- ☐ Other:

III. WHEN DRIVING:

- ☐ Through driveways
- ☐ Over rough roads
- ☐ Over speed bumps
- ☐ Only about ____ mph
- ☐ On acceleration
- ☐ Coming to a stop
- ☐ On turns: left, right or either (circle)
- ☐ With passengers or cargo
- ☐ Other: _____
- ☐ After driving _____ miles or _____ minutes

IV. WHAT TYPE OF NOISE

- ☐ Squeak (like tennis shoes on a clean floor)
- ☐ Creak (like walking on an old wooden floor)
- ☐ Rattle (like shaking a baby rattle)
- ☐ Knock (like a knock at the door)
- ☐ Tick (like a clock second hand)
- ☐ Thump (heavy muffled knock noise)
- ☐ Buzz (like a bumble bee)

TO BE COMPLETED BY DEALERSHIP PERSONNEL

Test Drive Notes:

_____

_____

_____

	YES	NO	Initials of person performing
Vehicle test driven with customer	☐	☐	_____
- Noise verified on test drive	☐	☐	_____
- Noise source located and repaired	☐	☐	_____
- Follow up test drive performed to confirm repair	☐	☐	_____

VIN: _____ Customer Name _____

W.O.# _____ Date: _____

This form must be attached to Work Order

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PRECAUTION

PRECAUTIONS

Precaution for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSIONER"

INFOID:0000000009468138

The Supplemental Restraint System such as “AIR BAG” and “SEAT BELT PRE-TENSIONER”, used along with a front seat belt, helps to reduce the risk or severity of injury to the driver and front passenger for certain types of collision. This system includes seat belt switch inputs and dual stage front air bag modules. The SRS system uses the seat belt switches to determine the front air bag deployment, and may only deploy one front air bag, depending on the severity of a collision and whether the front occupants are belted or unbelted. Information necessary to service the system safely is included in the SR and SB section of this Service Manual.

WARNING:

- **To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision which would result in air bag inflation, all maintenance must be performed by an authorized NISSAN/INFINITI dealer.**
- **Improper maintenance, including incorrect removal and installation of the SRS, can lead to personal injury caused by unintentional activation of the system. For removal of Spiral Cable and Air Bag Module, see the SR section.**
- **Do not use electrical test equipment on any circuit related to the SRS unless instructed to in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.**

PRECAUTIONS WHEN USING POWER TOOLS (AIR OR ELECTRIC) AND HAMMERS

WARNING:

- **When working near the Airbag Diagnosis Sensor Unit or other Airbag System sensors with the Ignition ON or engine running, DO NOT use air or electric power tools or strike near the sensor(s) with a hammer. Heavy vibration could activate the sensor(s) and deploy the air bag(s), possibly causing serious injury.**
- **When using air or electric power tools or hammers, always switch the Ignition OFF, disconnect the battery and wait at least 3 minutes before performing any service.**

Service Notice

INFOID:0000000009468139

- When removing or installing various parts, place a cloth or padding onto the vehicle body to prevent scratches.
- Handle trim, molding, instruments, grille, etc. carefully during removing or installing. Be careful not to oil or damage them.
- Apply sealing compound where necessary when installing parts.
- When applying sealing compound, be careful that the sealing compound does not protrude from parts.
- When replacing any metal parts (for example body outer panel, members, etc.), be sure to take rust prevention measures.

Precaution for Work

INFOID:0000000009468140

- When removing or disassembling each component, be careful not to damage or deform it. If a component may be subject to interference, be sure to protect it with a shop cloth.
- When removing (disengaging) components with a screwdriver or similar tool, be sure to wrap the component with a shop cloth or vinyl tape to protect it.
- Protect the removed parts with a shop cloth and prevent them from being dropped.
- Replace a deformed or damaged clip.
- If a part is specified as a non-reusable part, always replace it with a new one.
- Be sure to tighten bolts and nuts securely to the specified torque.
- After installation is complete, be sure to check that each part works properly.
- Follow the steps below to clean components:

- Water soluble dirt:
- Dip a soft cloth into lukewarm water, wring the water out of the cloth and wipe the dirty area.
- Then rub with a soft, dry cloth.

- Oily dirt:

- Dip a soft cloth into lukewarm water with mild detergent (concentration: within 2 to 3%) and wipe the dirty area.
- Then dip a cloth into fresh water, wring the water out of the cloth and wipe the detergent off.
- Then rub with a soft, dry cloth.

- Do not use organic solvent such as thinner, benzene, alcohol or gasoline.
- For genuine leather seats, use a genuine leather seat cleaner.

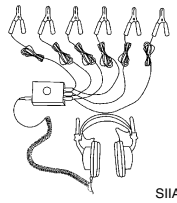
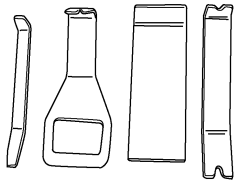
PREPARATION

PREPARATION

Special Service Tools

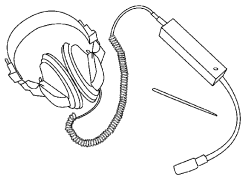
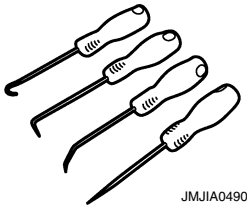
INFOID:0000000009895344

The actual shapes of the tools may differ from those illustrated here.

Tool number (TechMate No.) Tool name	Description
— (J-39570) Chassis Ear  SIIA0993E	Locating the noise
— (J-46534) Trim Tool Set  AWJIA0483ZZ	Removing trim components
— (J-50397) NISSAN Squeak and Rattle Kit  ALJIA1232ZZ	Repairing the cause of noise

Commercial Service Tools

INFOID:0000000009468142

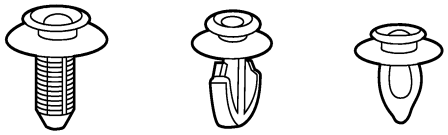
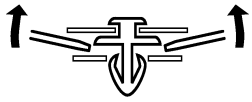
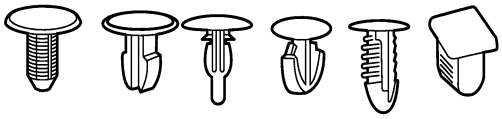
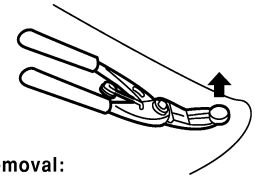
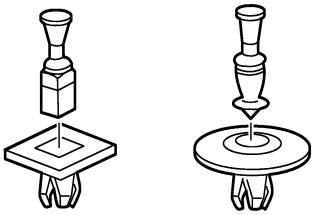
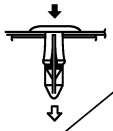
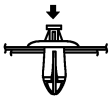
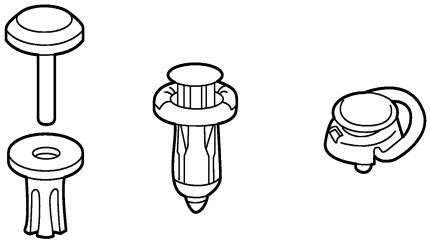
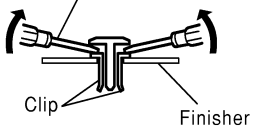
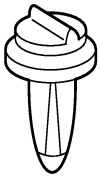
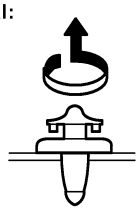
(TechMate No.) Tool name	Description
(J-39565) Engine Ear  SIIA0995E	Locating the noise
Hook and pick tool  JMJIA0490ZZ	Remove the snap pins

CLIP LIST

Descriptions for Clips

INFOID:0000000009468143

Replace any clips which are damaged during removal or installation.

Symbol No.	Shapes	Removal & Installation
C101		**Removal:** Remove by bending up with flat-bladed screwdrivers or clip remover. 
C103		 **Removal:** Remove with a clip remover.
C203		**Removal:** Push center pin to catching position. (Do not remove center pin by hitting it.) Push  Push  **Installation:**
C205		**Removal:** Flat-bladed screwdriver  Clip Finisher
C206		**Removal:** 

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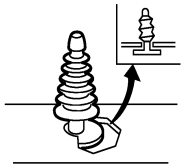
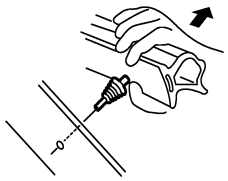
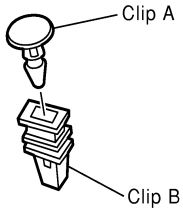
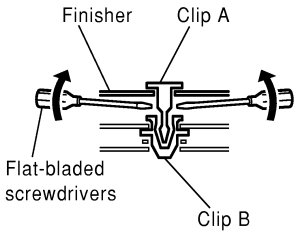
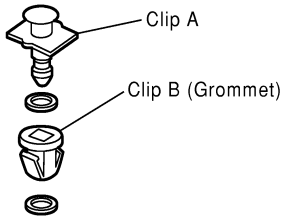
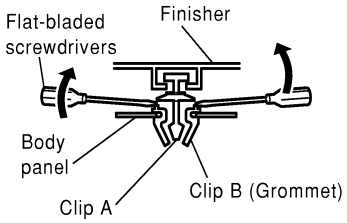
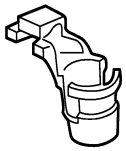
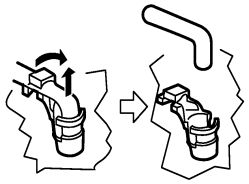
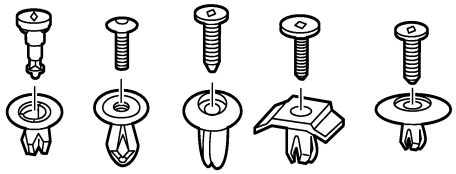
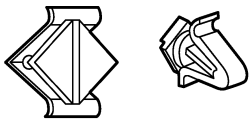
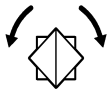
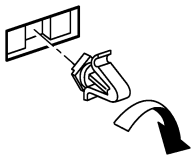
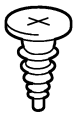
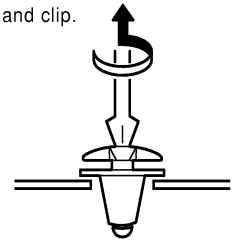
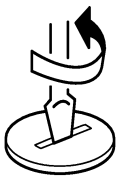
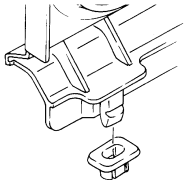
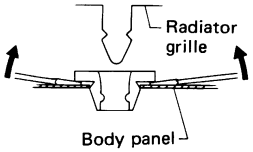
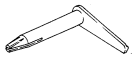
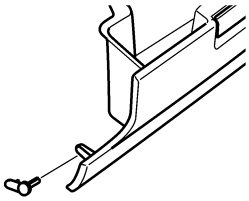
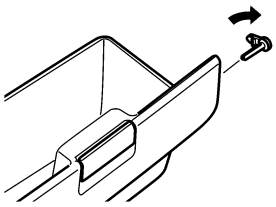
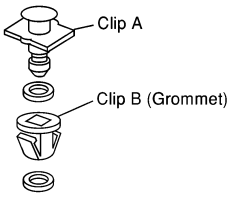
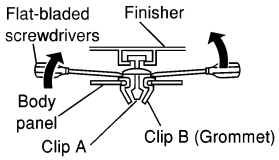
Symbol No.	Shapes	Removal & Installation
CE103 		**Removal:** 
CF110 		**Removal:** 
CF118 		**Removal:** 
CR103		**Removal:** Holder portion of clip must be spread out to remove rod. 
CS101 		**Removal:** 1. Screw out with a Phillips screwdriver. 2. Remove female portion with flat-bladed screwdriver. 

SIIA0316E

Symbol No.	Shapes	Removal & Installation
CG101 		**Removal:**  Rotate 45° to remove  **Removal:** **Installation:** 
CS102 		
CS113 		**Removal:** Disconnect upper connection of clip with a flat-bladed screwdriver, then remove clip while inserting a flat-bladed screwdriver between body panel and clip. 
C111 		

SIIA0317E

Symbol No.	Shapes	Removal & Installation
CG104 		**Removal:** **Remove by bending up with flat-bladed screwdrivers.** 
CE114 		
CF118 		**Removal:** 

ALJIA0564GB

REMOVAL AND INSTALLATION

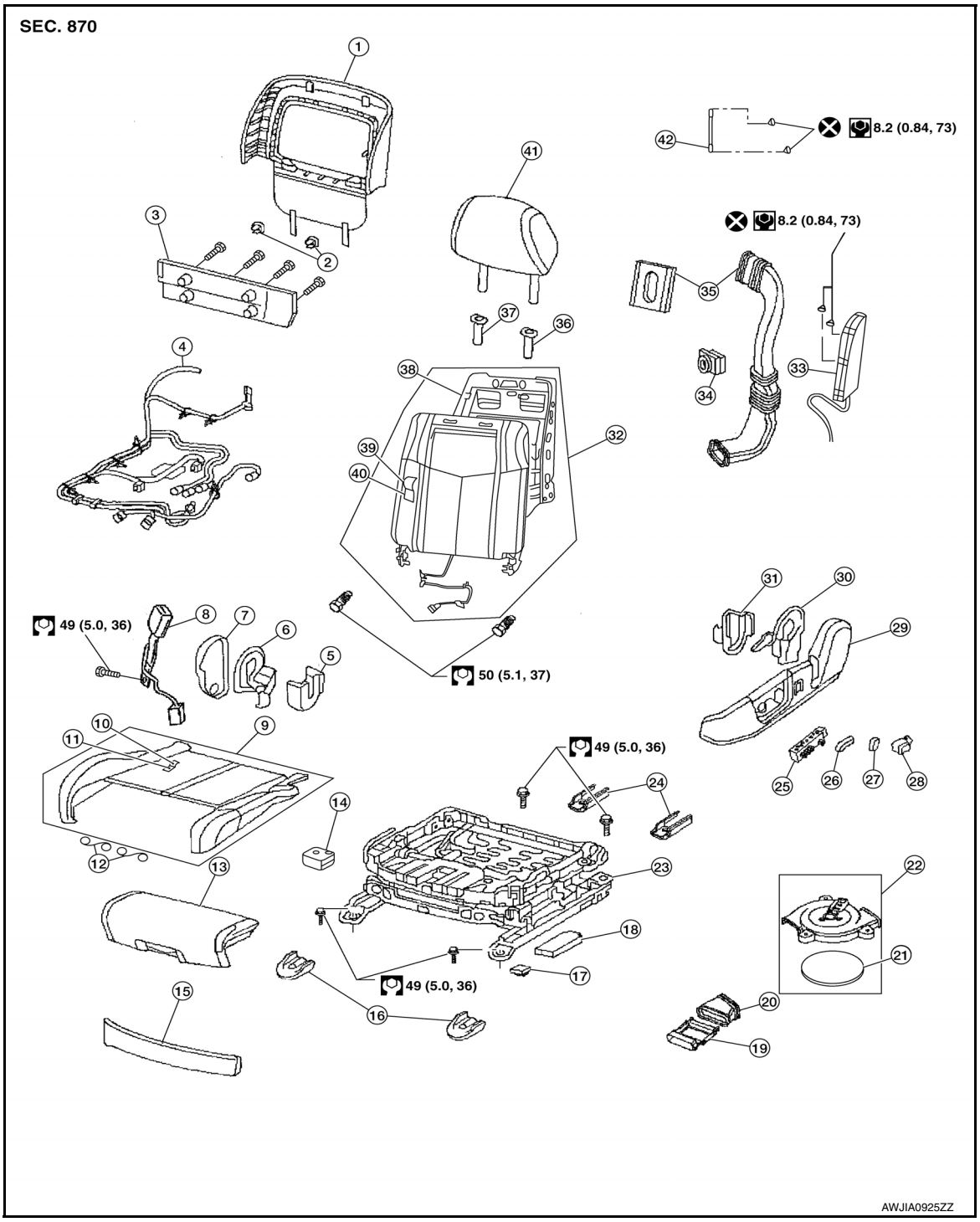
FRONT SEAT

Exploded View

INFOID:0000000009468144

DRIVER

Driver Seat - With Climate Controlled Seats

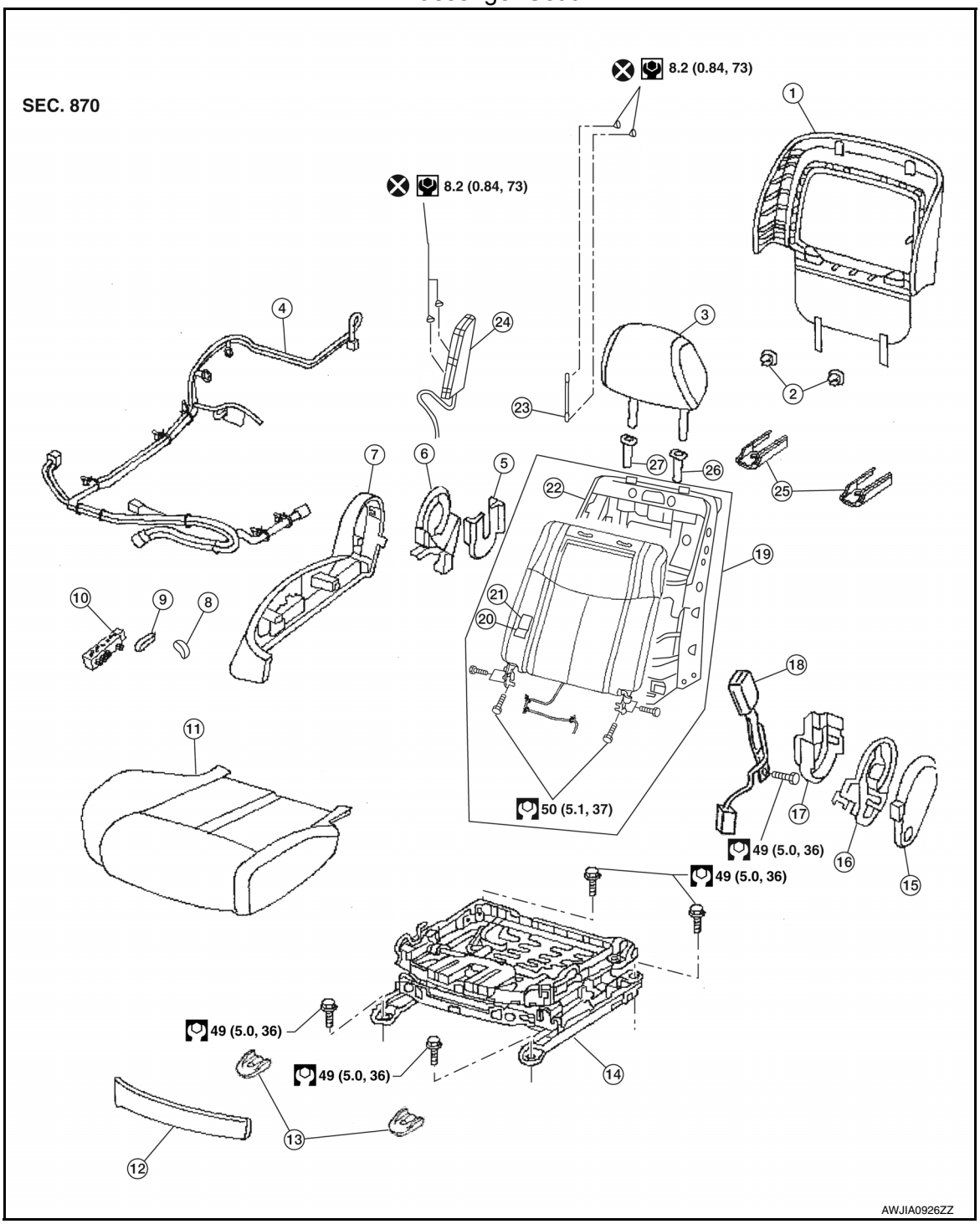


1. Seatback board
2. Seatback board clip
3. Seat cushion lower rear finisher
4. Seat harness
5. Seat cushion inner finisher inside (RH)
6. Recline mechanism inner cover
7. Seat cushion outer finisher (RH)
8. Seat belt buckle
9. Seat cushion assembly

10. Seat cushion trim
11. Seat cushion pad
12. Thigh extension tether
13. Thigh extension assembly
14. Climate controlled seat control unit
15. Seat cushion front finisher
16. Front slide cover
17. Clip
18. Power seat control unit
19. Seat cushion thermal electric device (TED)
20. Lower seat duct
21. Climate controlled seat blower filter
22. Climate controlled seat blower motor assembly
23. Seat frame assembly
24. Rear slide cover
25. Power seat switch
26. Seat slide and lifter switch knob
27. Seat recline knob
28. Lumbar support switch
29. Seat cushion outer finisher (LH)
30. Recline device outer cover
31. Seat cushion inner finisher inside (LH)
32. Seatback assembly
33. Side air bag module
34. Seatback thermal electric device (TED)
35. Upper seat duct
36. Headrest holder (locked)
37. Headrest holder (free)
38. Seatback frame
39. Seatback trim
40. Seatback pad
41. Headrest
42. Chute rod

PASSENGER

Passenger Seat



1. Seatback board	2. Seatback board clips	3. Headrest
4. Seat harness	5. Seat cushion inner finisher inside (RH)	6. Recline device inner cover
7. Seat cushion outer finisher (RH)	8. Seat recline knob	9. Seat slide and lifter switch knob
10. Power seat switch	11. Seat cushion assembly	12. Seat cushion front finisher
13. Front slide cover	14. Seat frame assembly	15. Seat cushion outer finisher (LH)
16 Recline mechanism inner cover	17. Seat cushion inner finisher inside (LH)	18. Seat belt buckle
19. Seatback assembly	20. Seatback pad	21. Seatback trim
22. Seatback frame	23. Chute rod	24. Side air bag module
25. Rear slide cover	26. Headrest holder (locked)	27. Headrest holder (free)

Removal and Installation

INFOID:0000000009468145

REMOVAL

WARNING:

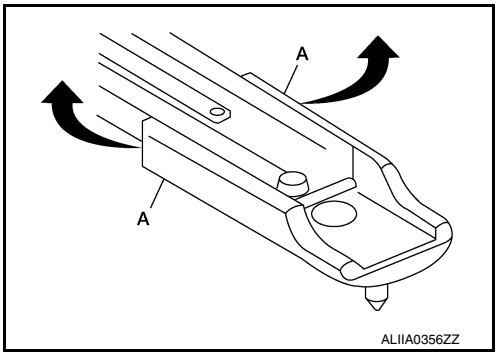
Do not leave any objects (screwdrivers, tools, etc.) on the seat during seat repair. It can lead to personal injury if the side air bag module should accidentally deploy.

CAUTION:

- **When removing or installing the seat trim, handle it carefully to keep dirt out and to avoid damage.**
- **When checking the power seat circuit for continuity using a circuit tester, do not confuse its connector with the side air bag module connector. Such an error may cause the air bag module to deploy.**
- **Do not drop, tilt, or bump the side air bag module while installing the seat. Always handle it with care.**
- **After the front side air bag module inflates, the front seatback assembly must be replaced.**
- **When removing and installing the seat, use shop cloths to protect components from damage.**
- **Before removing the front seat, turn the ignition switch OFF, disconnect both battery terminals and wait at least three minutes.**

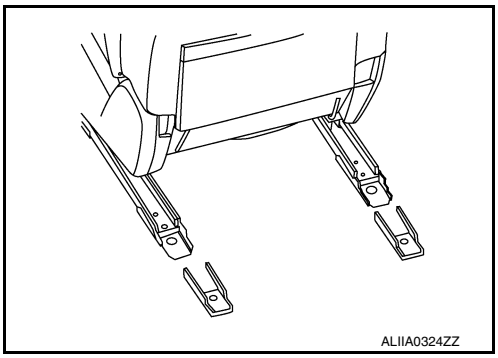
1. Slide the seat to the full forward position.
2. Remove the rear slide covers.

a. Release the pawls (A).

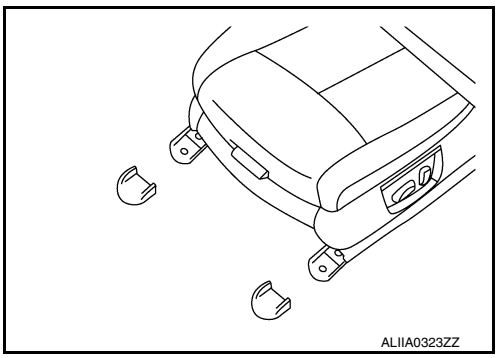


b. Remove the rear slide covers.

3. Remove the rear mount bolts.



4. Slide the seat to the full rearward position.
5. Remove the front slide covers.
6. Remove the front mount bolts.



7. Disconnect the negative and positive battery terminals and wait at least three minutes. Refer to PG-67, "Removal and Installation (Battery)".

8. Disconnect the harness connector under the seat and remove harness clips.
9. Remove seat from the vehicle.

INSTALLATION

Installation is in the reverse order of removal.

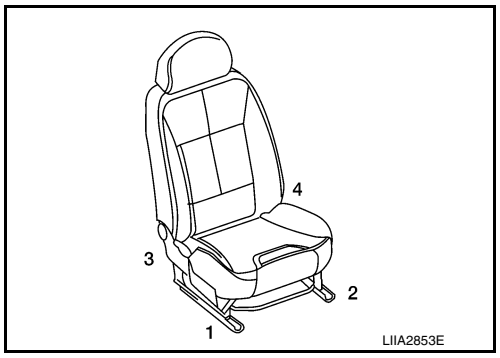
CAUTION:

Make sure that the seat harness or the floor trim is not damaged during installation.

NOTE:

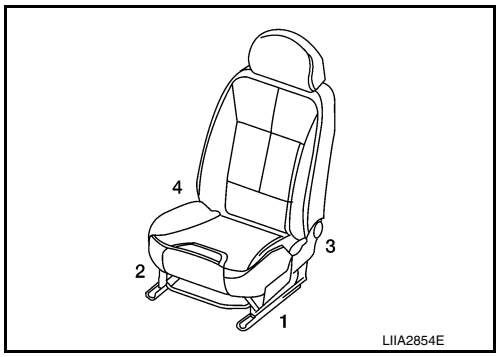
- When installing the LH front seat, tighten the bolts in the order shown.

LH front seat bolt torque : 49 Nm (5.0 kg-m, 36 ft-lb)



- When installing the RH front seat, tighten the bolts in the order shown.

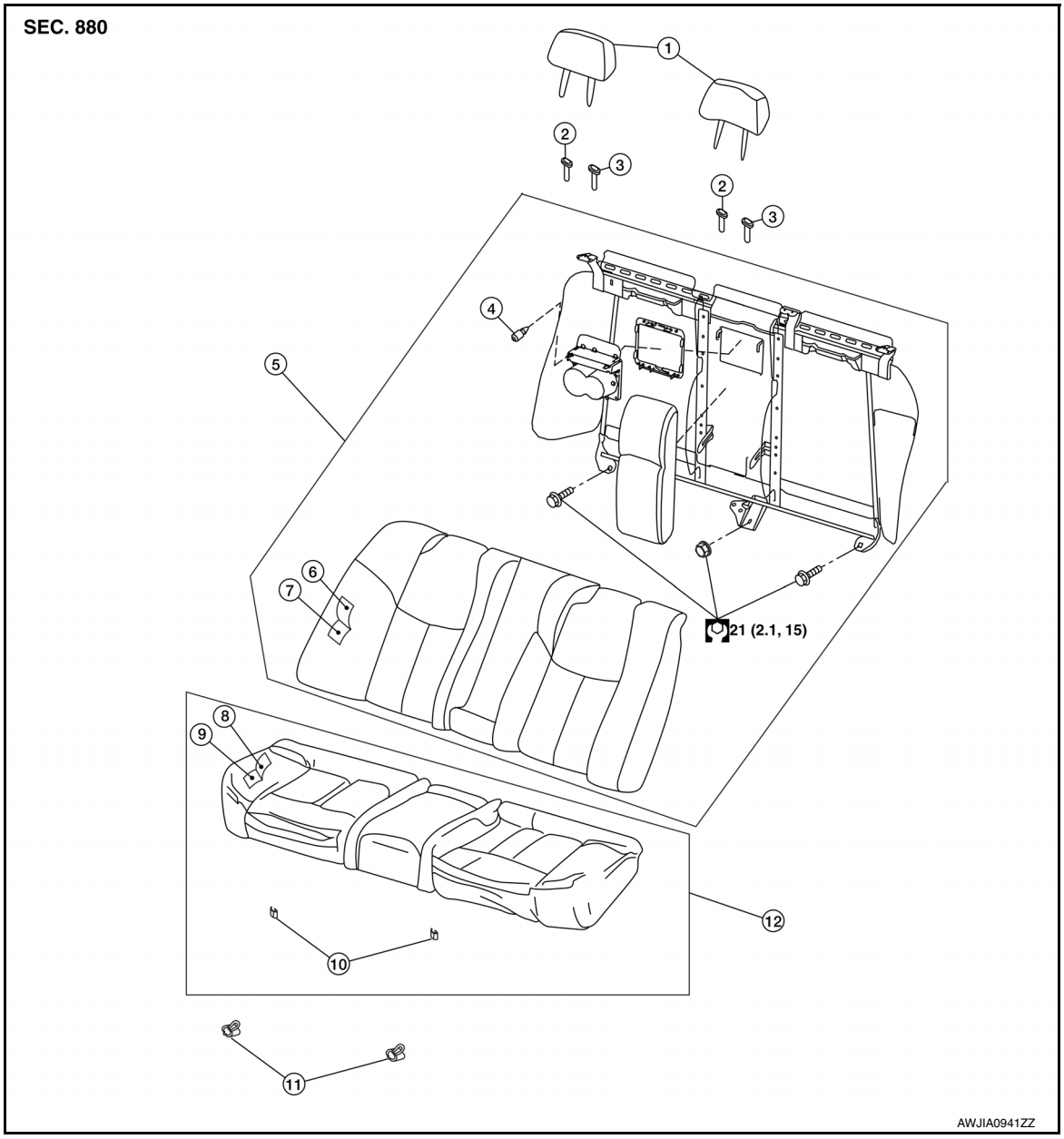
RH front seat bolt torque : 49 Nm (5.0 kg-m, 36 ft-lb)



REAR SEAT

Exploded View - Fixed Seatback

INFOID:0000000009468146



1. Headrest
2. Headrest holder (free)
3. Headrest holder (locked)
4. Bumper
5. Seatback assembly
6. Seatback trim
7. Seatback pad
8. Seat cushion trim
9. Seat cushion pad
10. Seat cushion wire cover
11. Seat cushion lock
12. Seat cushion assembly

Removal and Installation

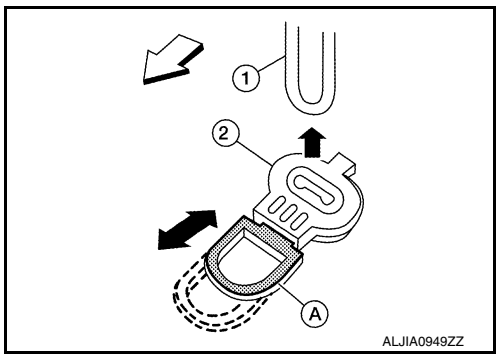
INFOID:0000000009468147

CAUTION:
When removing and installing, use shop cloths to protect parts from damage.

SEAT CUSHION ASSEMBLY

Removal

1. Locate the seat cushion lock (2) at the front bottom of the seat cushion assembly (one for each side). Pull the release lever (A) forward and lift the seat cushion assembly upward to release the seat cushion wire (1) from the seat cushion lock (2).
   ⇦: Front
2. Then pull the seat cushion assembly forward to remove.

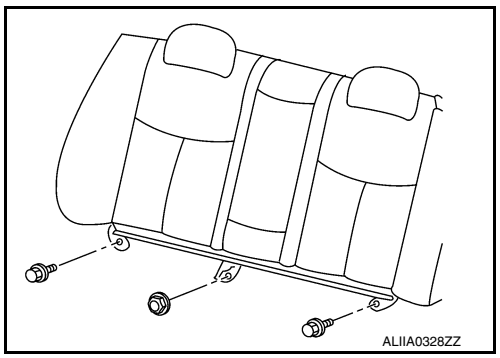


Installation
Installation is in the reverse order of removal.

SEATBACK

Removal

1. Remove the seat cushion assembly.
2. Remove the headrests (LH/RH).
3. Remove the seatback assembly bolts and nut.

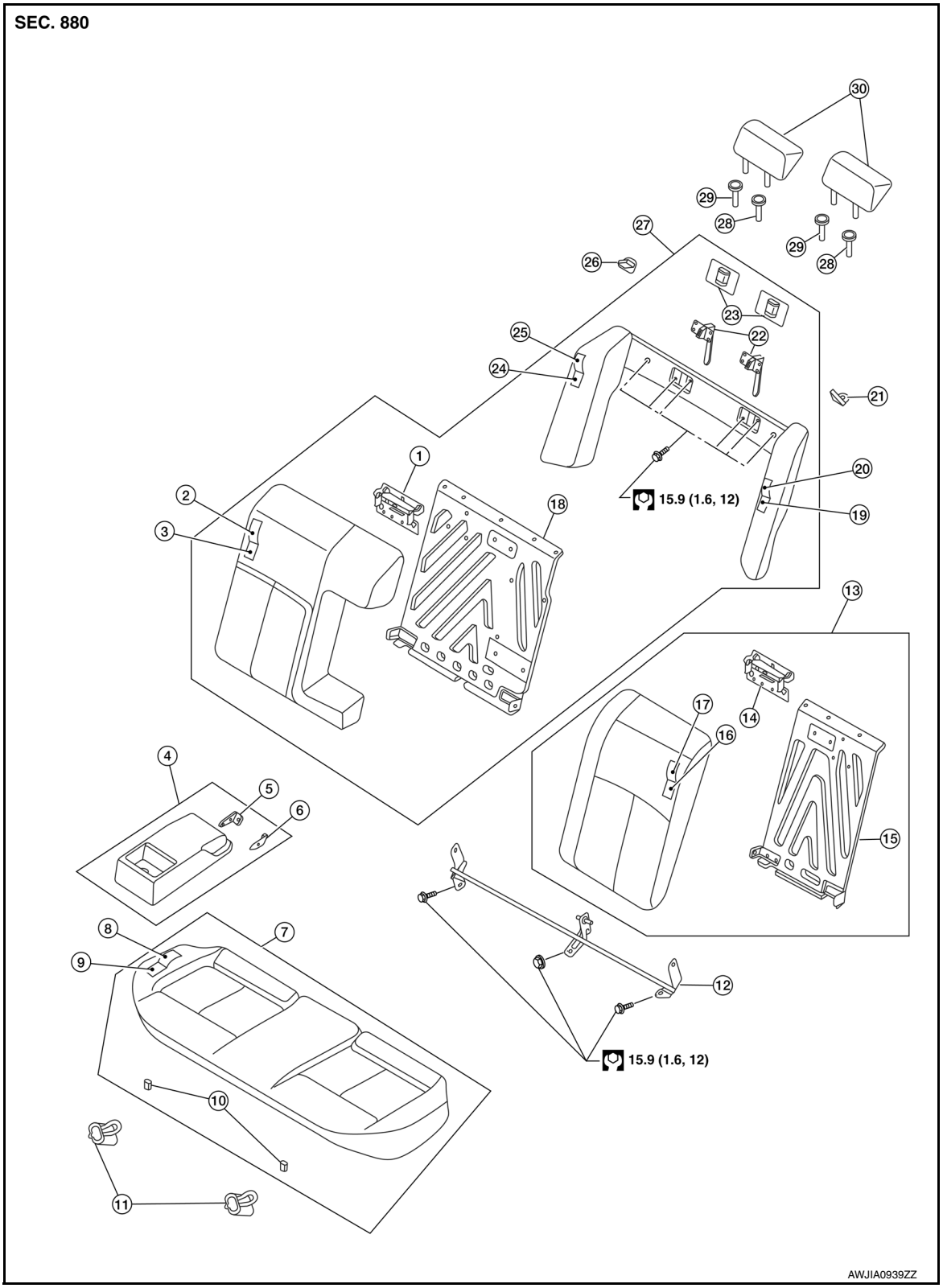


4. Lift the seatback to disengage seat hook wires from the hangers.

Installation
Installation is in the reverse order of removal.

Exploded View - 60:40 Split Seatback

INFOID:0000000009468148



1. Seatback latch striker (RH)
2. Seatback trim (RH)
3. Seatback pad (RH)
4. Armrest assembly
5. Inner armrest bracket (RH)
6. Inner armrest bracket (LH)
7. Seat cushion assembly
8. Seat cushion trim
9. Seat cushion pad
10. Seat cushion wire cover
11. Seat cushion lock
12. Seatback hinge assembly

13. Seatback assembly (LH)
14. Seatback latch striker (LH)
15. Seatback frame (LH)
16. Seatback pad (LH)
17. Seatback trim (LH)
18. Seatback frame (RH)
19. Side bolster pad (LH)
20. Side bolster trim (LH)
21. Seat belt guide (LH)
22. Seatback latch assembly
23. Seatback latch cover
24. Side bolster pad (RH)
25. Side bolster trim (RH)
26. Seat belt guide (RH)
27. Seatback assembly (RH)
28. Headrest holder (locked)
29. Headrest holder (free)
30. Headrest

Removal and Installation

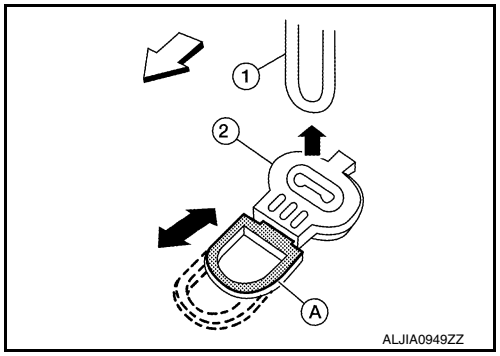
INFOID:0000000009468149

CAUTION:
When removing and installing, use shop cloths to protect parts from damage.

SEAT CUSHION ASSEMBLY

Removal

1. Locate the seat cushion lock (2) at the front bottom of the seat cushion assembly (one for each side). Pull the release lever (A) forward and lift the seat cushion assembly upward to release the seat cushion wire (1) from the seat cushion lock (2).
   ⇦: Front
2. Then pull the seat cushion assembly forward to remove.

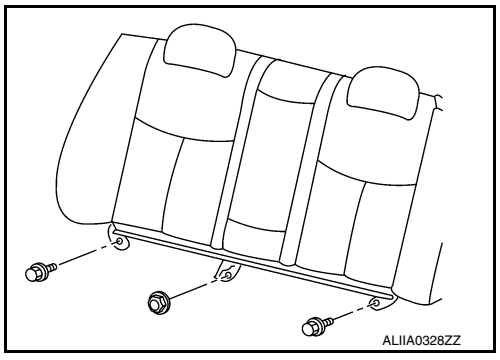


Installation
Installation is in the reverse order of removal.

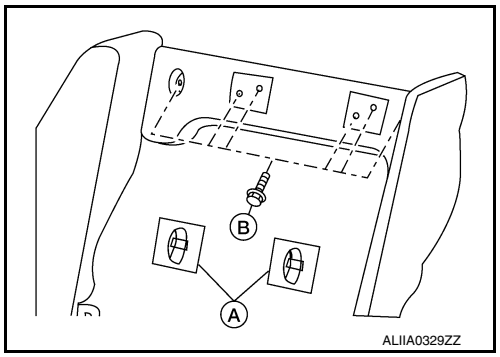
SEATBACK

Removal

1. Lock seatback (LH/RH) in upright position.
2. Remove the seatback hinge assembly bolts and nut.
3. Fold seatback (LH/RH) forward.



4. Remove seatback latch covers (A).
5. Remove the halo upper frame assembly bolts (B).
6. Remove the seatback assembly.



Installation

Installation is in the reverse order of removal.

CLIMATE CONTROLLED SEAT BLOWER FILTER

Removal and Installation

INFOID:0000000009468150

REMOVAL

CAUTION:

When removing and installing, use shop cloths to protect parts from damage.

1. Remove front seat. Refer to SE-68, "Removal and Installation".
2. Turn blower filter counter clockwise and remove it from climate controlled seat blower motor.

INSTALLATION

Installation is in the reverse order of removal.

UNIT DISASSEMBLY AND ASSEMBLY

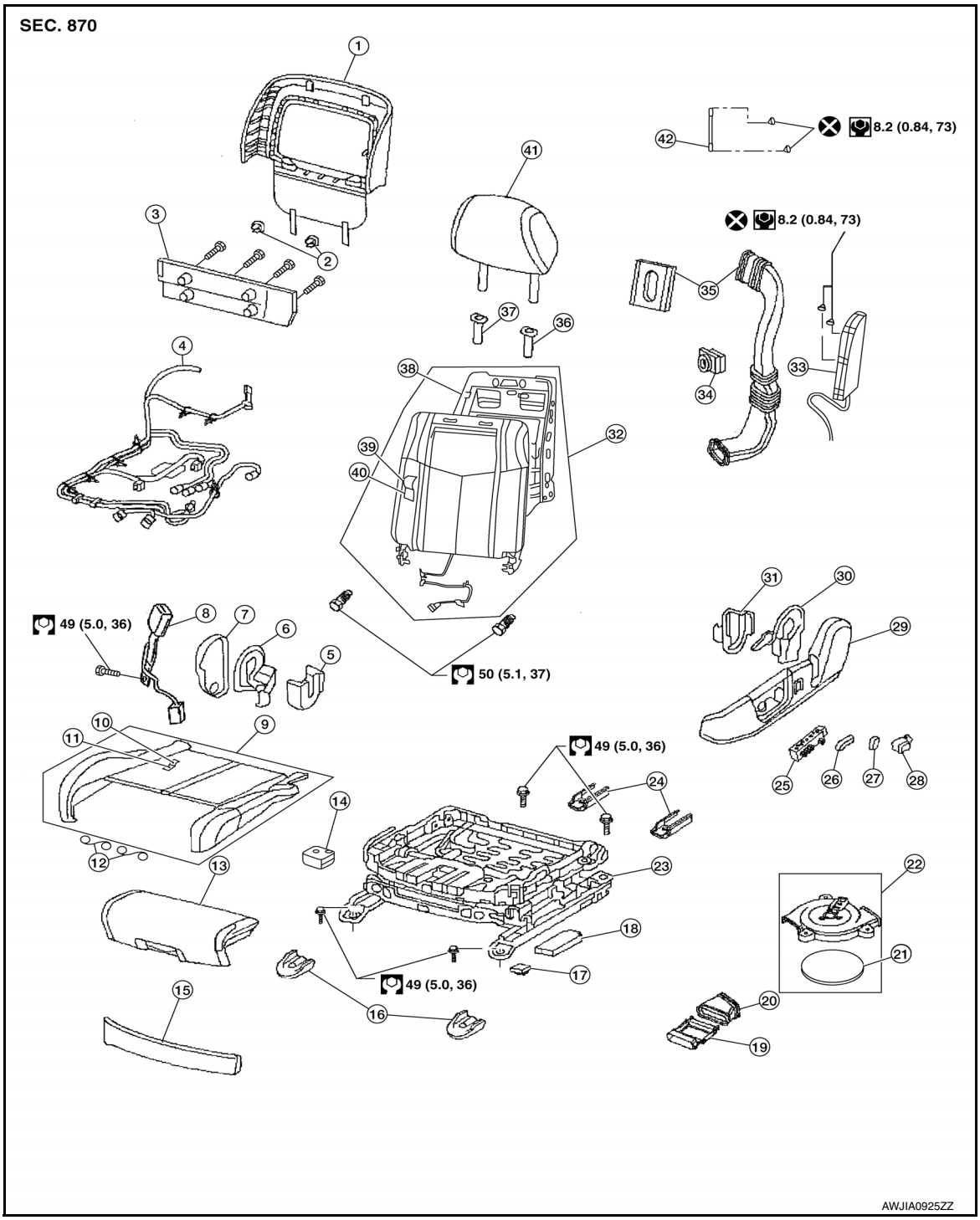
FRONT SEAT

DRIVER SIDE

DRIVER SIDE : Exploded View

INFOID:0000000009468151

Driver Seat - With Climate Controlled Seats



1. Seatback board
2. Seatback board clip
3. Seat cushion lower rear finisher
4. Seat harness
5. Seat cushion inner finisher inside (RH)
6. Recline mechanism inner cover
7. Seat cushion outer finisher (RH)
8. Seat belt buckle
9. Seat cushion assembly

10. Seat cushion trim
11. Seat cushion pad
12. Thigh extension tether
13. Thigh extension assembly
14. Climate controlled seat control unit
15. Seat cushion front finisher
16. Front slide cover
17. Clip
18. Power seat control unit
19. Seat cushion thermal electric device (TED)
20. Lower seat duct
21. Climate controlled seat blower filter
22. Climate controlled seat blower motor assembly
23. Seat frame assembly
24. Rear slide cover
25. Power seat switch
26. Seat slide and lifter switch knob
27. Seat recline knob
28. Lumbar support switch
29. Seat cushion outer finisher (LH)
30. Recline device outer cover
31. Seat cushion inner finisher inside (LH)
32. Seatback assembly
33. Side air bag module
34. Seatback thermal electric device (TED)
35. Upper seat duct
36. Headrest holder (locked)
37. Headrest holder (free)
38. Seatback frame
39. Seatback trim
40. Seatback pad
41. Headrest
42. Chute rod

DRIVER SIDE : Disassembly and Assembly

INFOID:0000000009468152

SEAT ASSEMBLY WITH SIDE AIR BAG MODULE

WARNING:

Do not leave any objects (screwdriver, tools, etc.) on the seat during seatback repair. It can lead to personal injury if the side air bag should accidentally deploy.

CAUTION:

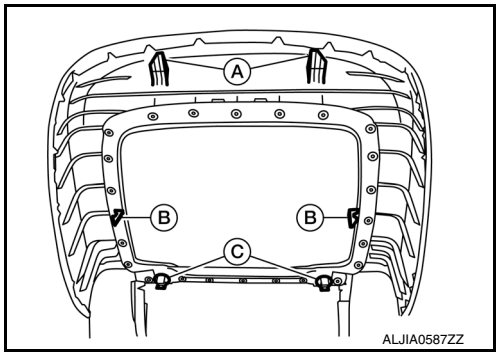
- **Before servicing, turn the ignition switch OFF, disconnect both battery terminals and wait at least three minutes.**
- **Handle the side air bag module carefully. During disassembly, always hold the side air bag module, do not let it hang by the wire harness.**
- **Always place side air bag module with the stud bolt side facing downward.**
- **Always work from the side or back of the seatback assembly, do not work in front of the seat.**
- **Do not use air tools or electric tools when servicing the seat assembly.**
- **Replace the side air bag module if it has been dropped or sustained an impact.**
- **Do not insert any objects into the side air bag module.**
- **Do not disassemble the side air bag module.**
- **Do not expose the side air bag module to temperatures exceeding 93°C (200°F).**
- **Do not expose the side air bag module to any oil, grease or water.**
- **During disassembly, do not damage the trim cover, chutes, connectors, retainers, clips, module harness or the side air bag module.**

NOTE:

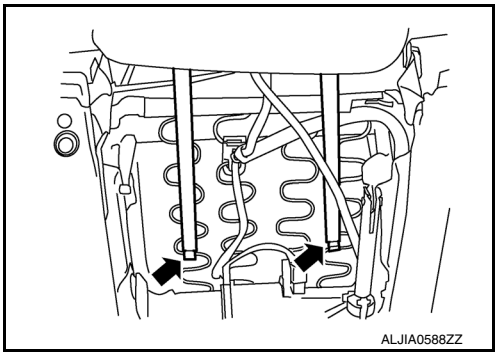
- If the vehicle has been involved in a collision and the side air bag has deployed, the front seatback assembly must be replaced.
- For side air bag module removal and installation, refer to SR-21, "Removal and Installation".

Disassembly

1. Remove the front seat assembly. Refer to SE-68, "Removal and Installation".
2. Remove the seatback board as follows:
   NOTE:
   The seatback board is attached to the seat frame with the following:
   - Two top hooks (A)
   - Two side hooks (B)
   - Two bottom retainers (C)

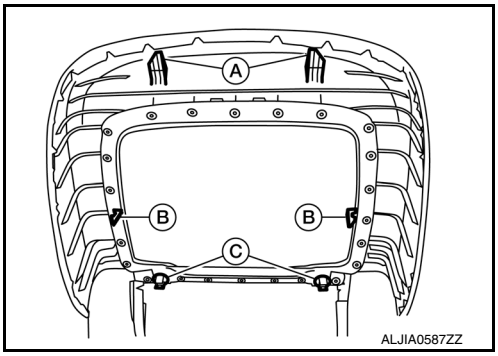


a. From the bottom of the seat, unhook the two seat skirt hooks as shown.

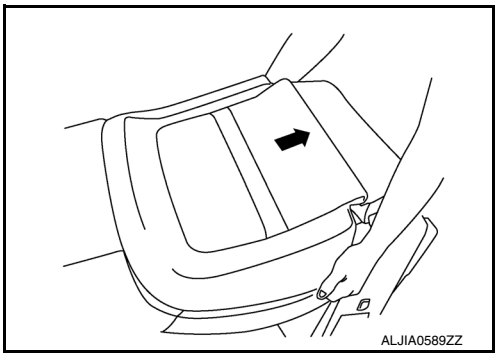


b. Carefully pull upward on the lower seatback board to release the two bottom retainers (C).
CAUTION:
Do not pull outward at two top hooks (A)

c. Hold the seatback board at the side hook locations (B) and push in the side hooks to release them from the seatback frame, then pull it rearward.



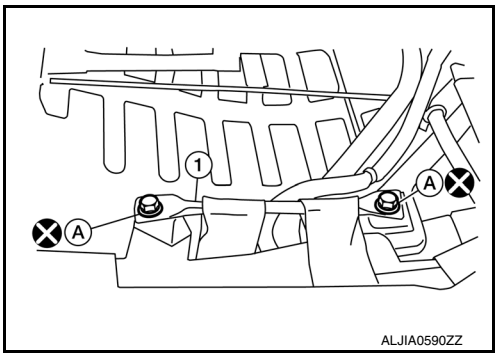
d. Carefully pull the seatback board downward to disengage the top hooks as shown.
CAUTION:
Use care not to break the seatback board hooks and retainers. Replace seatback board if any hooks or retainers are damaged.



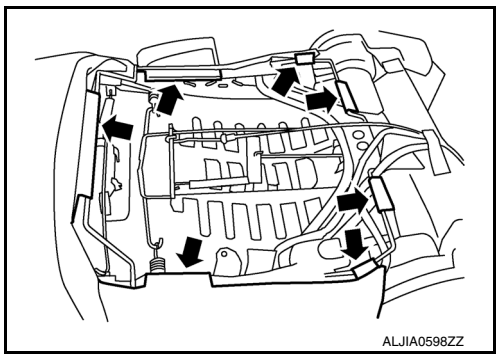
3. Disconnect the upper seat duct.

4. Remove and discard the two chute rod bolts (A), then remove the chute rod (1).
CAUTION:
Do not reuse the chute rod bolts.

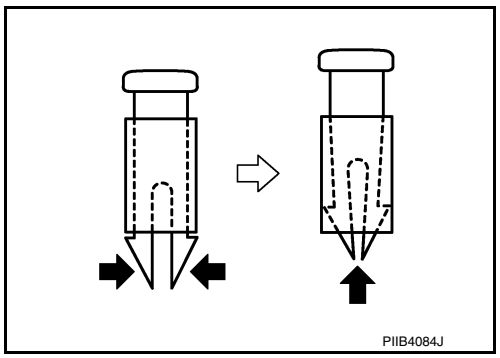
Chute rod bolts (A) : 8.2 N·m (0.84 kg-m, 73 in-lb)



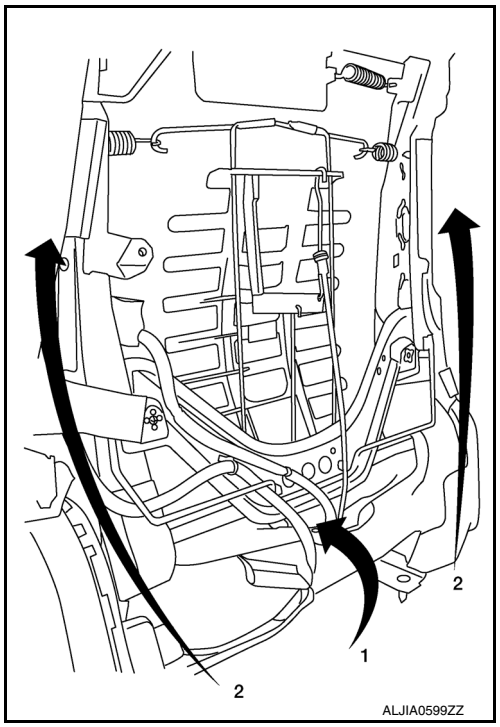
5. Release the seven seatback retainers from the seatback frame as shown.



6. Reach in from the bottom of the seatback to release the guide clips on the headrest holder. Squeeze the clips at the bottom and push upward to remove as shown.



7. Push the seatback trim and seatback pad forward at the bottom (1), then holding the seatback assembly on both sides, lift upward (2). Remove the seatback trim and seatback pad as an assembly from the seatback frame.

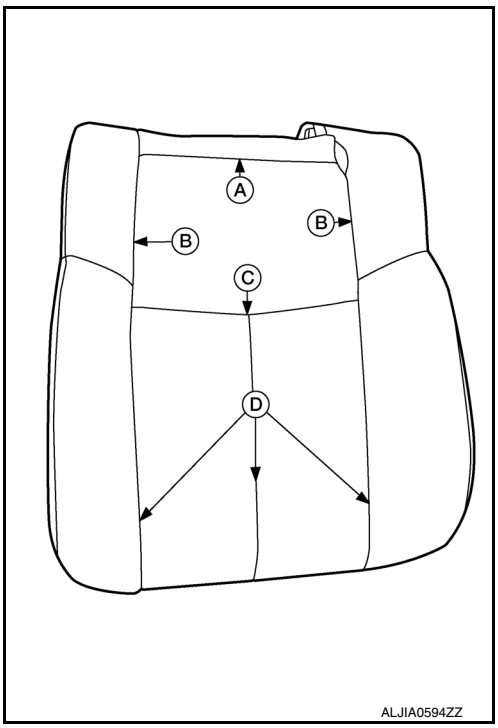


8. If required, separate the seatback trim from the seatback pad as follows:
   NOTE:
   The seatback trim is attached to the seatback pad with the following:
   - Five top hog rings (A)
   - Four side hog rings (B)
   - Three middle hog rings (C)
   - Three bottom velcro fasteners (D)

a. Pull the seatback trim from the seatback pad to detach the velcro fasteners.

b. Position the seatback trim to access the middle hog rings. Remove the middle and side hog rings.

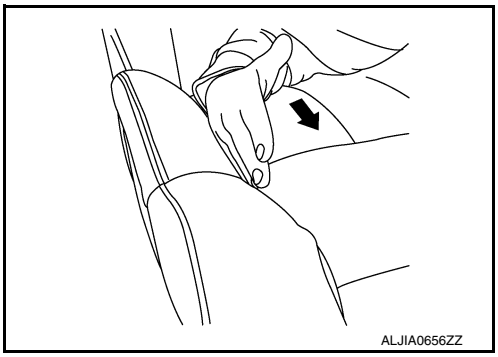
c. Remove the top hog rings, then separate the seatback trim from the seatback pad.



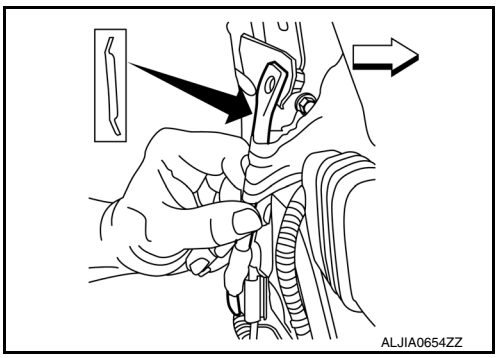
Assembly

Assembly is in the reverse order of disassembly. During assembly, note the following.

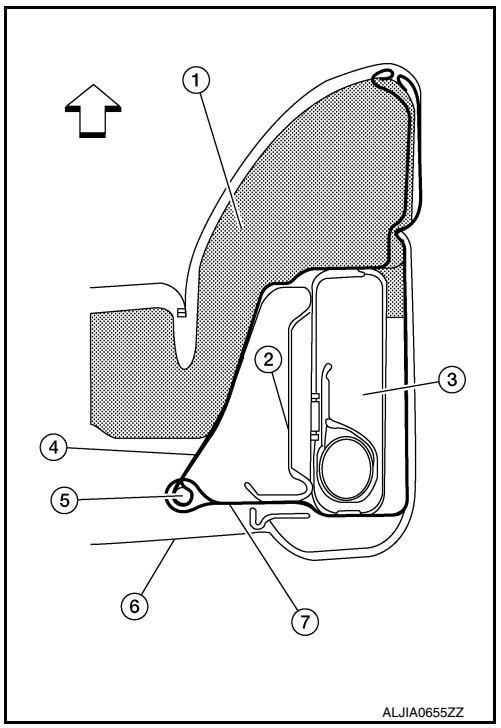
- When installing the seatback trim, firmly push down while sliding your hand along the seams as shown (arrow) to ensure the velcro fasteners are fastened properly.



- Make sure the chute rod is properly positioned and installed as shown.
  ⇦: Front



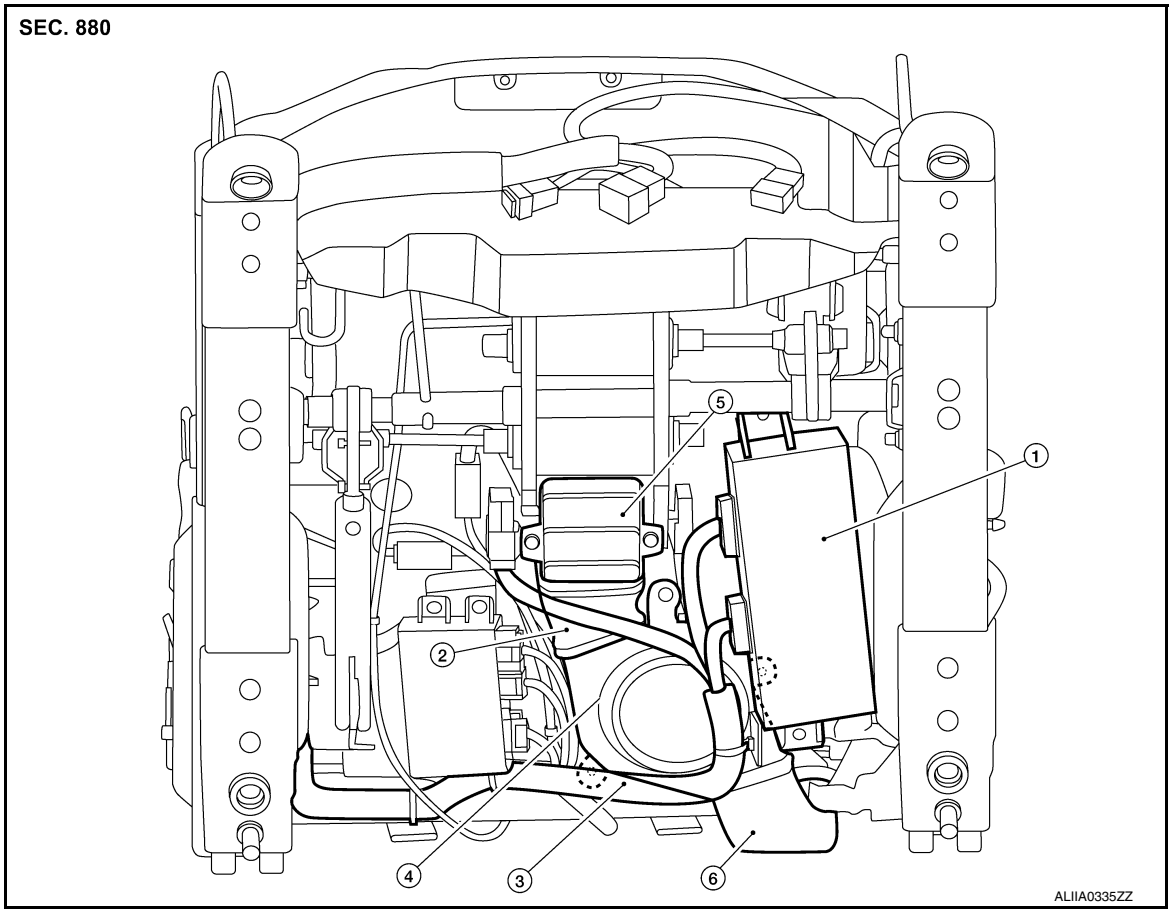
- Make sure the side air bag outer chute (7) is pulled over the side air bag module (3) and the side air bag inner chute (4) is pulled around the frame (2). Make sure there are no wrinkles and the chutes are not folded, twisted or pinched.
  (1) Seatback pad
  (5) Chute rod
  (6) Seatback board
  ⇦: Front



CAUTION:
- **If a malfunction was detected by the air bag warning lamp, after repair or replacement of the malfunction parts, reset the memory using self-diagnosis or CONSULT.**
- **After work is completed, check that no system malfunction is detected by air bag warning lamp.**
- **Make sure side air bag module shell is closed at all tabs and cushion of module is not exposed. Do not reuse if the tab of shell is not secured.**
- **Always install new side air bag module attaching nuts and side air bag chute rod bolts.**
- **Always route side air bag module harness in original location. Replace any deformed or damaged clips with the same type and color. Always install clips in the original location on the harness.**
- **Smooth out all wrinkles during assembly.**
- **Inspect seatback pad, trim cover and trim cover chutes. Replace if damaged.**
- **Replace any deformed or damaged parts.**
- **Replace any deformed or damaged hog rings. Ensure any old hog ring pieces are removed from the seat.**
- **Use only one hog ring in each designated location.**
- **Ensure hog rings are correctly fastened around both the seatback trim and seatback pad trim wires.**

NOTE:
Use NISSAN standard hog rings and tools to assemble.

SEAT CUSHION THERMAL ELECTRIC DEVICE AND LOWER SEAT DUCT



1. Seat control unit
2. Lower seat duct
3. Seat wire harness
4. Climate controlled seat blower motor
5. Seat cushion thermal electric device
6. Upper seat duct

Disassembly

1. Remove the seat from the vehicle. Refer to SE-68, "Removal and Installation".
2. Remove seatback board.
3. Remove seat cushion rear finisher.
4. Disconnect the harness connectors from the driver seat control unit.
5. Remove driver seat control unit from seat.
6. Remove seat cushion thermal electric device bolts.
7. Remove climate controlled seat blower motor bolts.
8. Disconnect climate controlled seat blower motor from upper seat duct.
9. Remove climate controlled seat blower motor, lower seat duct and seat cushion thermal electric device from seat.

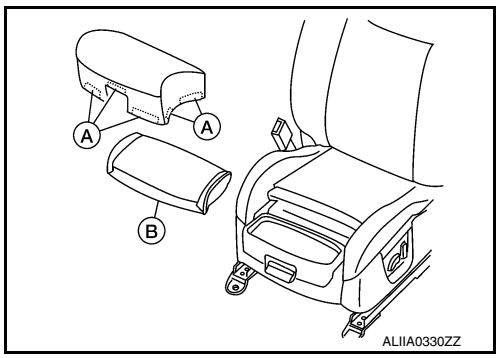
Assembly

Assembly is in the reverse order of disassembly.

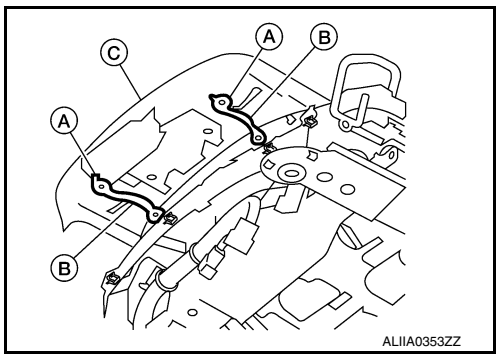
THIGH EXTENSION ASSEMBLY

Disassembly

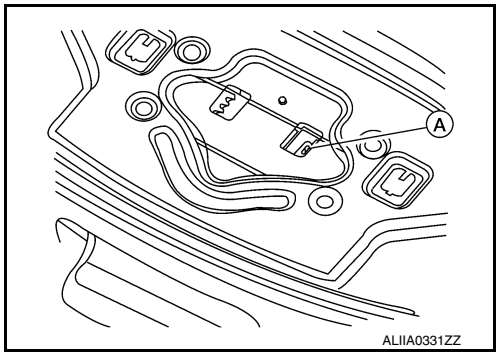
1. Move the thigh extension assembly to the front most position and release the trim cover clips (A).
2. Remove the trim cover and pad (B).



3. Cut the thigh extension tethers and drill out the upper rivets (A) that connect the thigh extension tethers (B) to the thigh extension assembly (C).



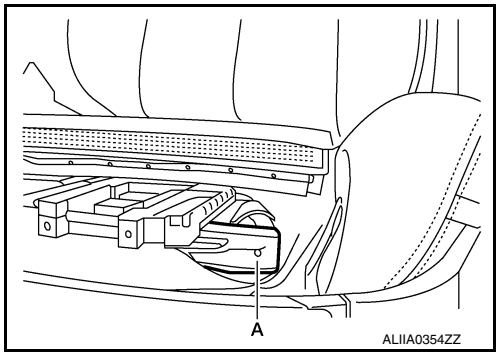
4. Insert suitable tool into the thigh extension assembly top panel and release the clip (A).
5. Pull the thigh extension handle and remove the thigh extension assembly.



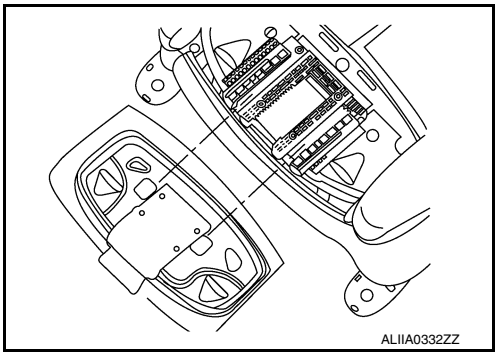
6. Drill out the lower rivets that connect the thigh extension tethers to the seat frame assembly.

Assembly

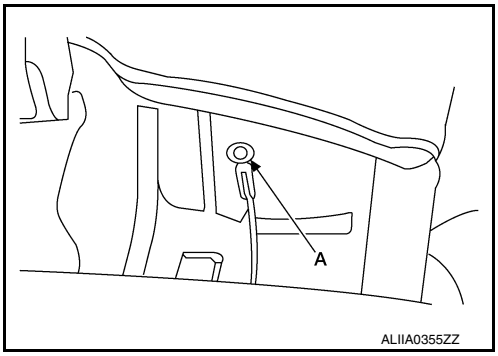
1. Replace the pad, trim and clips to the thigh extension assembly.
2. Rivet the thigh extension tethers to the seat frame assembly mounting hole (A).



3. Align the thigh extension assembly on the top rail.
4. Lift the thigh extension handle and slide the thigh extension assembly onto the seat.


ALIIA0332ZZ

5. Rivet the thigh extension tethers to the thigh extension assembly mounting hole (A).



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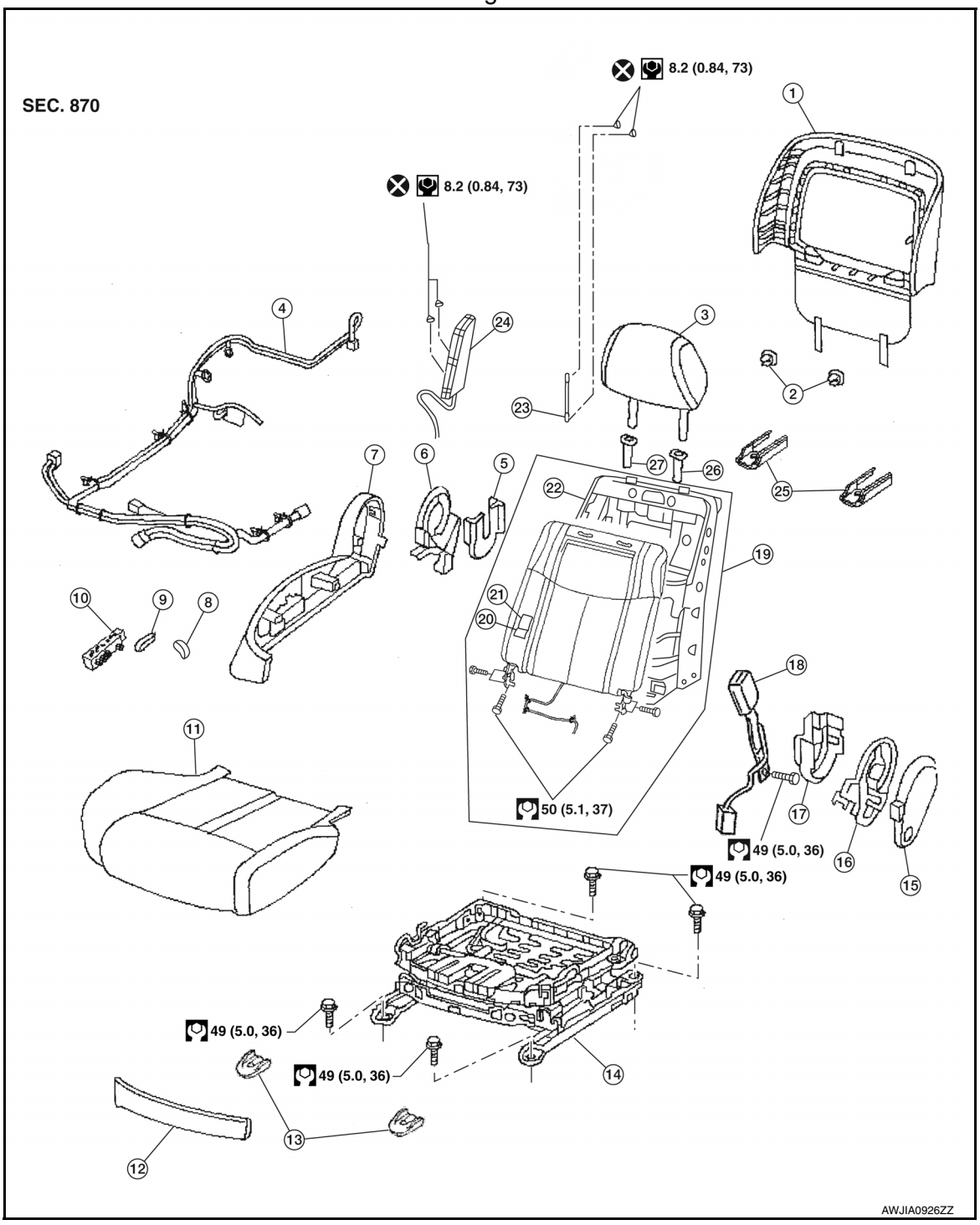
PASSENGER SIDE

PASSENGER SIDE : Exploded View

INFOID:0000000009468153

Passenger Seat



1.	Seatback board	2.	Seatback board clips	3.	Headrest
4.	Seat harness	5.	Seat cushion inner finisher inside (RH)	6.	Recline device inner cover
7.	Seat cushion outer finisher (RH)	8.	Seat recline knob	9.	Seat slide and lifter switch knob
10.	Power seat switch	11.	Seat cushion assembly	12.	Seat cushion front finisher
13.	Front slide cover	14.	Seat frame assembly	15.	Seat cushion outer finisher (LH)
16	Recline mechanism inner cover	17.	Seat cushion inner finisher inside (LH)	18.	Seat belt buckle
19.	Seatback assembly	20.	Seatback pad	21.	Seatback trim

22. Seatback frame
23. Chute rod
24. Side air bag module
25. Rear slide cover
26. Headrest holder (locked)
27. Headrest holder (free)

PASSENGER SIDE : Disassembly and Assembly

INFOID:0000000009468154

SEAT ASSEMBLY WITH SIDE AIR BAG MODULE

WARNING:

Do not leave any objects (screwdriver, tools, etc.) on the seat during seatback repair. It can lead to personal injury if the side air bag should accidentally deploy.

CAUTION:

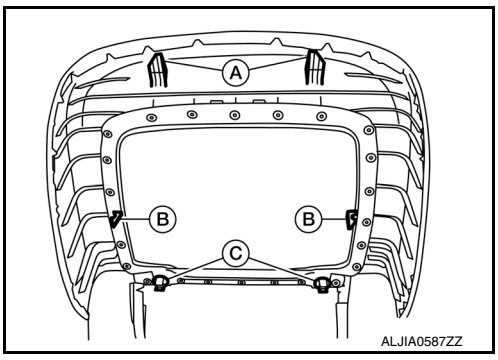
- **Before servicing, turn the ignition switch OFF, disconnect both battery terminals and wait at least 3 minutes.**
- **Handle the side air bag module carefully. During disassembly, always hold the side air bag module, do not let it hang by the wire harness.**
- **Always place side air bag module with the stud bolt side facing downward.**
- **Always work from the side or back of the seatback assembly, do not work in front of seat.**
- **Do not use air tools or electric tools when servicing the seat assembly.**
- **Replace the side air bag module if it has been dropped or sustained an impact.**
- **Do not insert any objects into the side air bag module.**
- **Do not disassemble the side air bag module.**
- **Do not expose the side air bag module to temperatures exceeding 93°C (200°F).**
- **Do not expose the side air bag module to any oil, grease or water.**
- **During disassembly, do not damage the trim cover, chutes, connectors, retainers, clips, module harness or the side air bag module.**

NOTE:

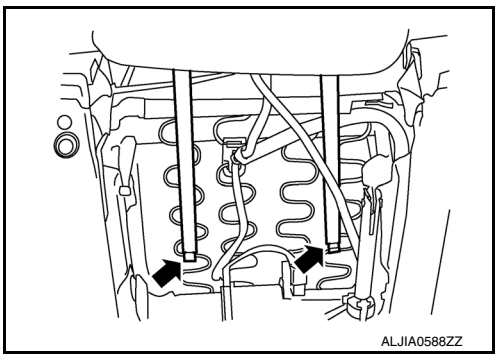
- If the vehicle has been involved in a collision and the side air bag has deployed, the front seatback assembly must be replaced.
- For side air bag module removal and installation, refer to SR-21, "Removal and Installation".

Disassembly

1. Remove the front seat assembly. Refer to SE-68, "Removal and Installation".
2. Remove the seatback board as follows:
   NOTE:
   The seatback board is attached to the seat frame with the following:
   - Two top hooks (A)
   - Two side hooks (B)
   - Two bottom retainers (C)

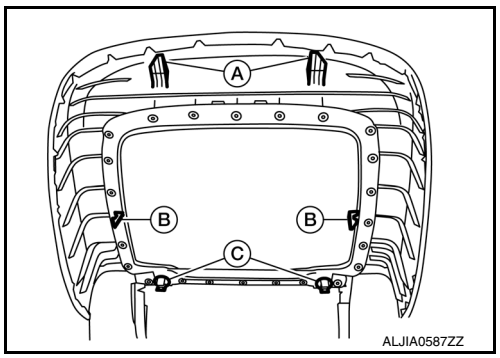


a. From the bottom of the seat, unhook the two seat skirt hooks as shown.

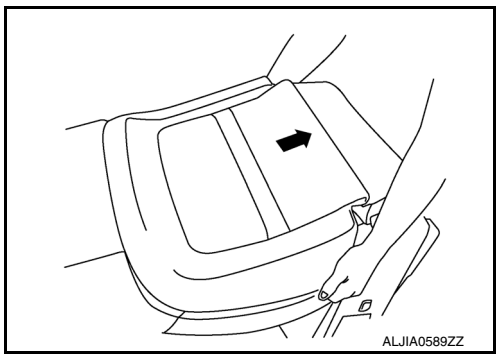


b. Carefully pull upward on the lower seatback board to release the two bottom retainers (C).
CAUTION:
Do not pull outward at two top hooks (A).

c. Hold the seatback board at the side hook locations (B) and push in the side hooks to release them from the seatback frame, then pull it rearward.

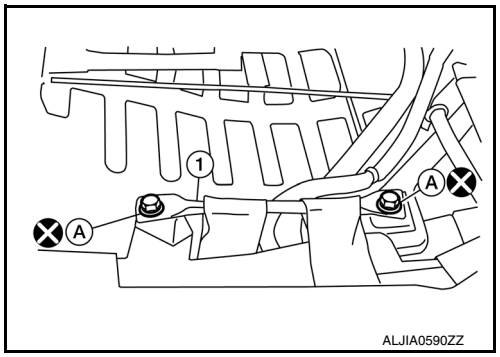


d. Carefully pull the seatback board downward to disengage the top hooks as shown.
CAUTION:
Use care not to break the seatback board hooks and retainers. Replace seatback board if any hooks or retainers are damaged.

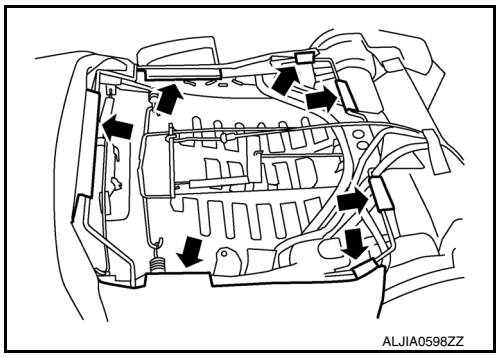


3. Remove and discard the two chute rod bolts (A), then remove the chute rod (1).
CAUTION:
Do not reuse the chute rod bolts.

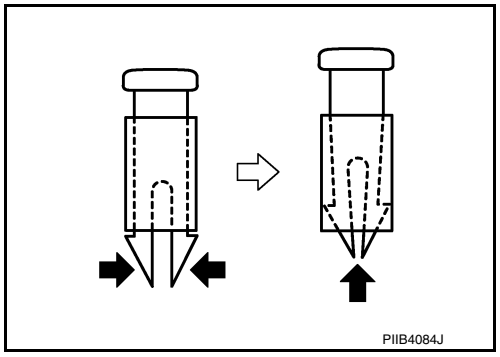
Chute rod bolts (A) : 8.2 N·m (0.84 kg-m, 73 in-lb)



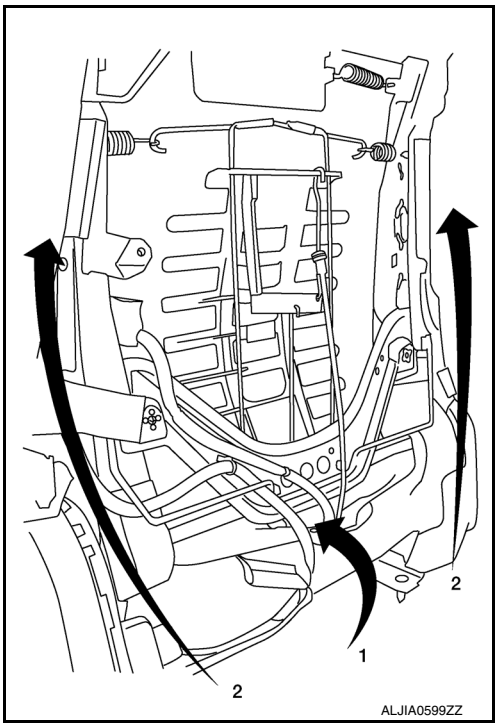
4. Release the seven seatback retainers from the seatback frame as shown.



5. Reach in from the bottom of the seatback to release the guide clips on the headrest holder. Squeeze the clips at the bottom and push upward to remove as shown.

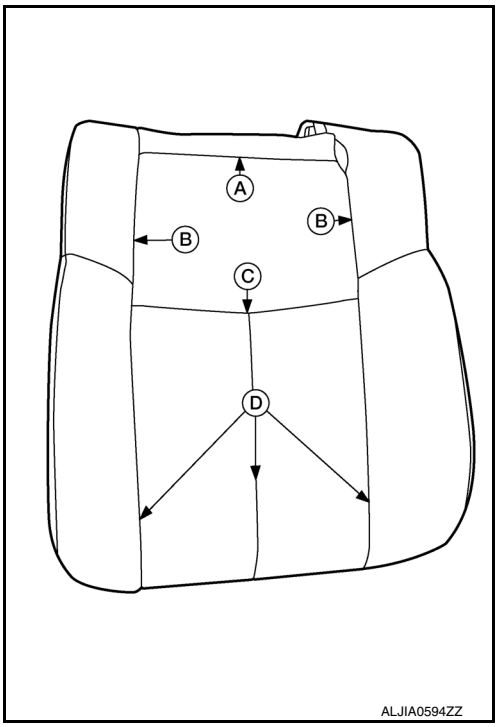


6. Disconnect the harness connector for the seatback heater.
7. Push the seatback trim and seatback pad forward at the bottom (1), then holding the seatback assembly on both sides, lift upward (2). Remove the seatback trim and seatback pad as an assembly from the seatback frame.



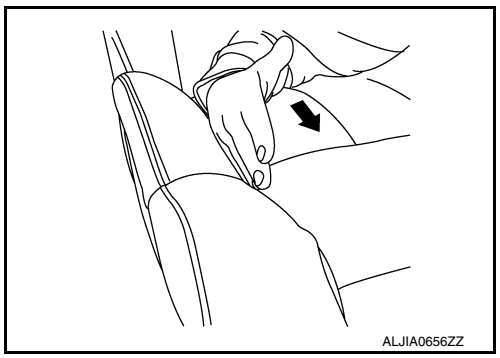
8. If required, separate the seatback trim from the seatback pad as follows:
   NOTE:
   The seatback trim is attached to the seatback pad with the following:
   - Five top hog rings (A)
   - Three side hog rings (B)
   - Three middle hog rings (C)
   - Three bottom velcro fasteners (D)

a. Pull the seatback trim cover from the seatback pad to detach the velcro fasteners.
b. Position the seatback trim to access the middle hog rings. Remove the middle and side hog rings.
c. Remove the top hog rings, then separate the seatback trim from the seatback pad.

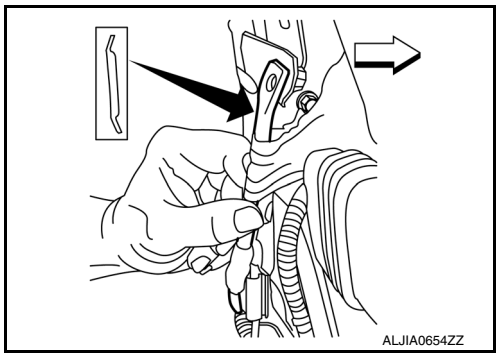


Assembly
Assembly is in the reverse order of disassembly. During assembly, note the following.

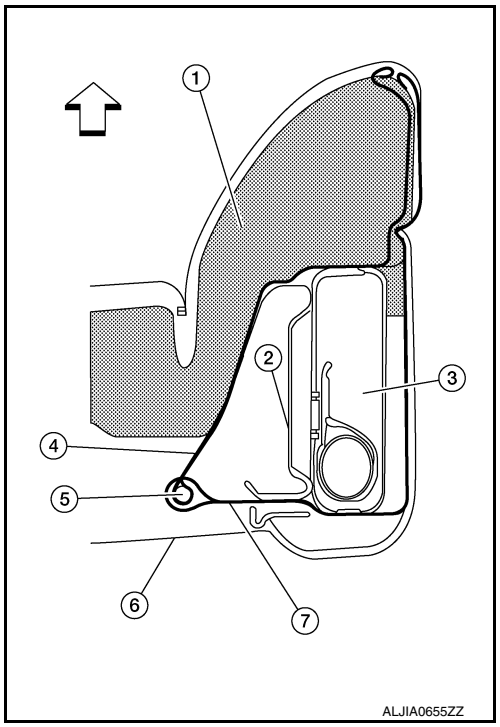
- When installing the seatback trim, firmly push down while sliding your hand along the seams as shown (arrow) to ensure the velcro fasteners are fastened properly.



- Make sure the chute rod is properly positioned and installed as shown.
  ⇦: Front



- Make sure the side air bag outer chute (7) is pulled over the side air bag module (3) and the side air bag inner chute (4) is pulled around the frame (2). Make sure there are no wrinkles and the chutes are not folded, twisted or pinched.
  (1) Seatback pad
  (5) Chute rod
  (6) Seatback board
  ⇦: Front



CAUTION:
- **If a malfunction was detected by the air bag warning lamp, after repair or replacement of the malfunction parts, reset the memory using self-diagnosis or CONSULT.**
- **After work is completed, check that no system malfunction is detected by air bag warning lamp.**
- **Make sure side air bag module shell is closed at all tabs and cushion of module is not exposed. Do not reuse if the tab of shell is not secured.**
- **Always install new side air bag module attaching nuts and side air bag chute rod bolts.**
- **Always route side air bag module harness in original location. Replace any deformed or damaged clips with the same type and color. Always install clips in the original location on the harness.**
- **Smooth out all wrinkles during assembly.**

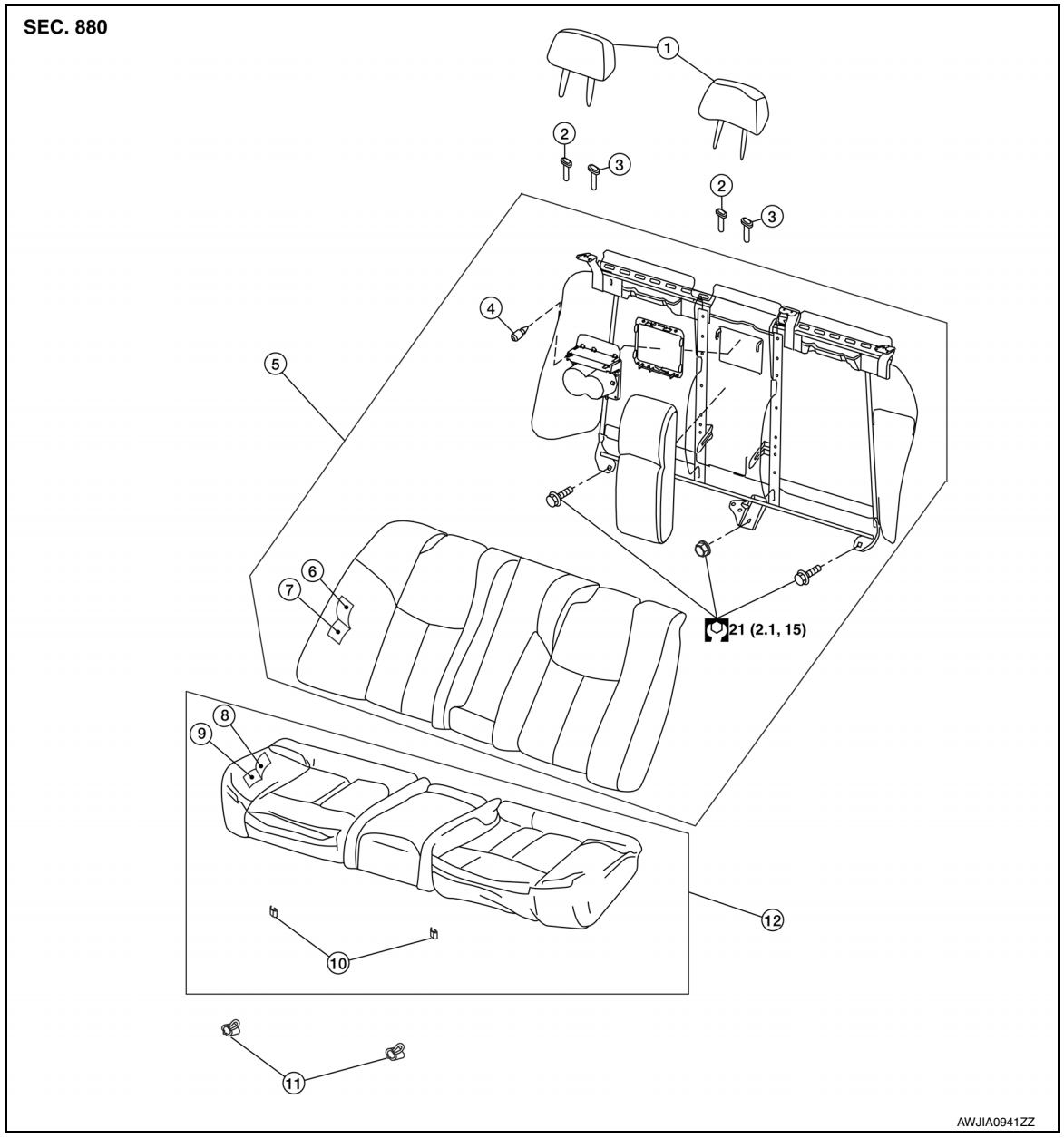
- **Inspect seatback pad, trim cover and trim cover chutes. Replace if damaged.**
- **Replace any deformed or damaged parts.**
- **Replace any deformed or damaged hog rings. Ensure any old hog ring pieces are removed from seat.**
- **Use only one hog ring in each designated location.**
- **Ensure hog rings are correctly fastened around both the seatback trim and seatback pad trim wires.**

NOTE:
Use NISSAN standard hog rings and tools to assemble.

REAR SEAT

Exploded View - Fixed Seatback

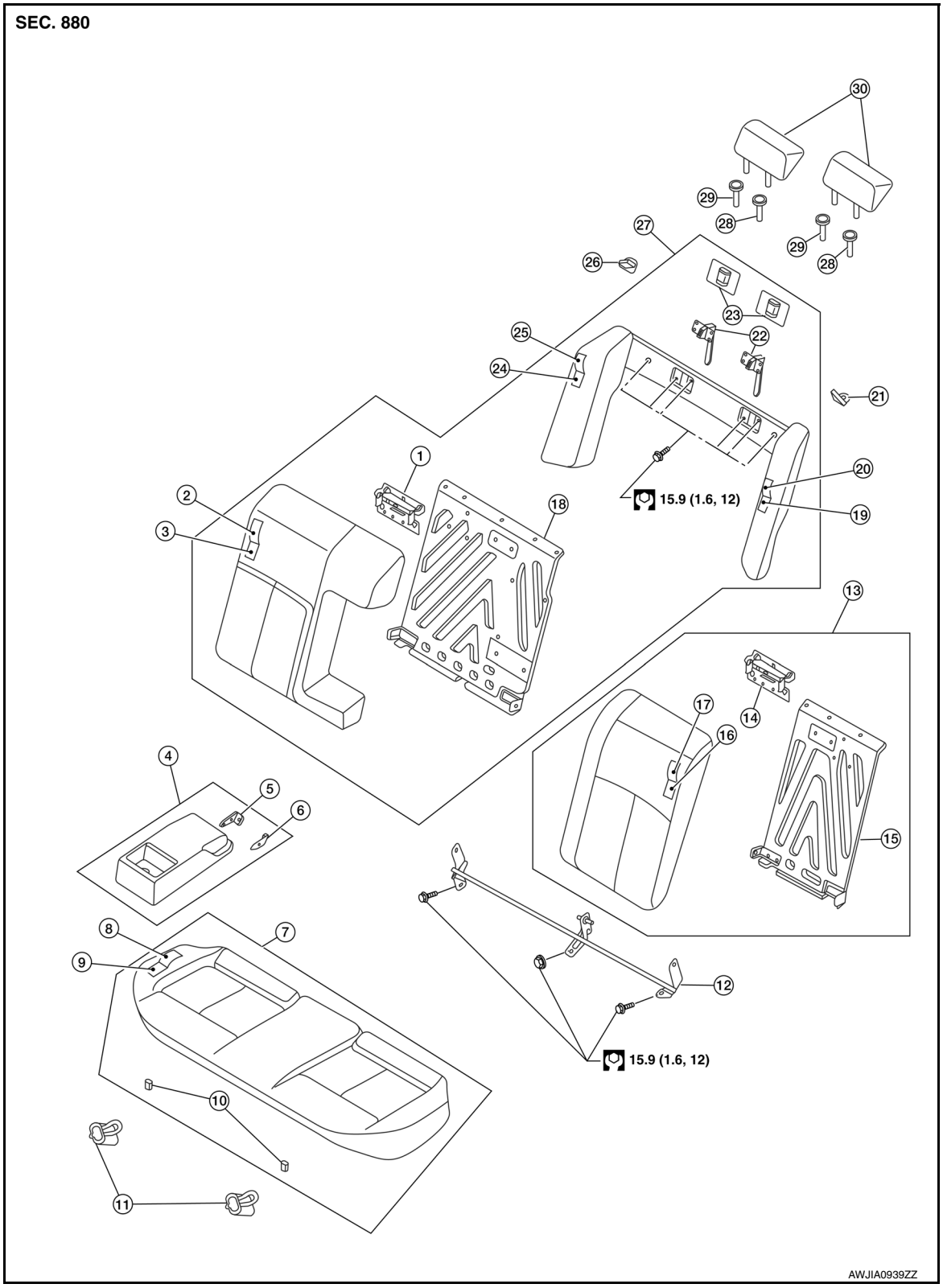
INFOID:0000000009468155



1. Headrest
2. Headrest holder (free)
3. Headrest holder (locked)
4. Bumper
5. Seatback assembly
6. Seatback trim
7. Seatback pad
8. Seat cushion trim
9. Seat cushion pad
10. Seat cushion wire cover
11. Seat cushion lock
12. Seat cushion assembly

Exploded View - 60:40 Split Seatback

INFOID:0000000009468156



1. Seatback latch striker (RH)
2. Seatback trim (RH)
3. Seatback pad (RH)
4. Armrest assembly
5. Inner armrest bracket (RH)
6. Inner armrest bracket (LH)
7. Seat cushion assembly
8. Seat cushion trim
9. Seat cushion pad
10. Seat cushion wire cover
11. Seat cushion lock
12. Seatback hinge assembly
13. Seatback assembly (LH)
14. Seatback latch striker (LH)
15. Seatback frame (LH)
16. Seatback pad (LH)
17. Seatback trim (LH)
18. Seatback frame (RH)

19. Side bolster pad (LH)
20. Side bolster trim (LH)
21. Seat belt guide (LH)
22. Seatback latch assembly
23. Seatback latch cover
24. Side bolster pad (RH)
25. Side bolster trim (RH)
26. Seat belt guide (RH)
27. Seatback assembly (RH)
28. Headrest holder (locked)
29. Headrest holder (free)
30. Headrest

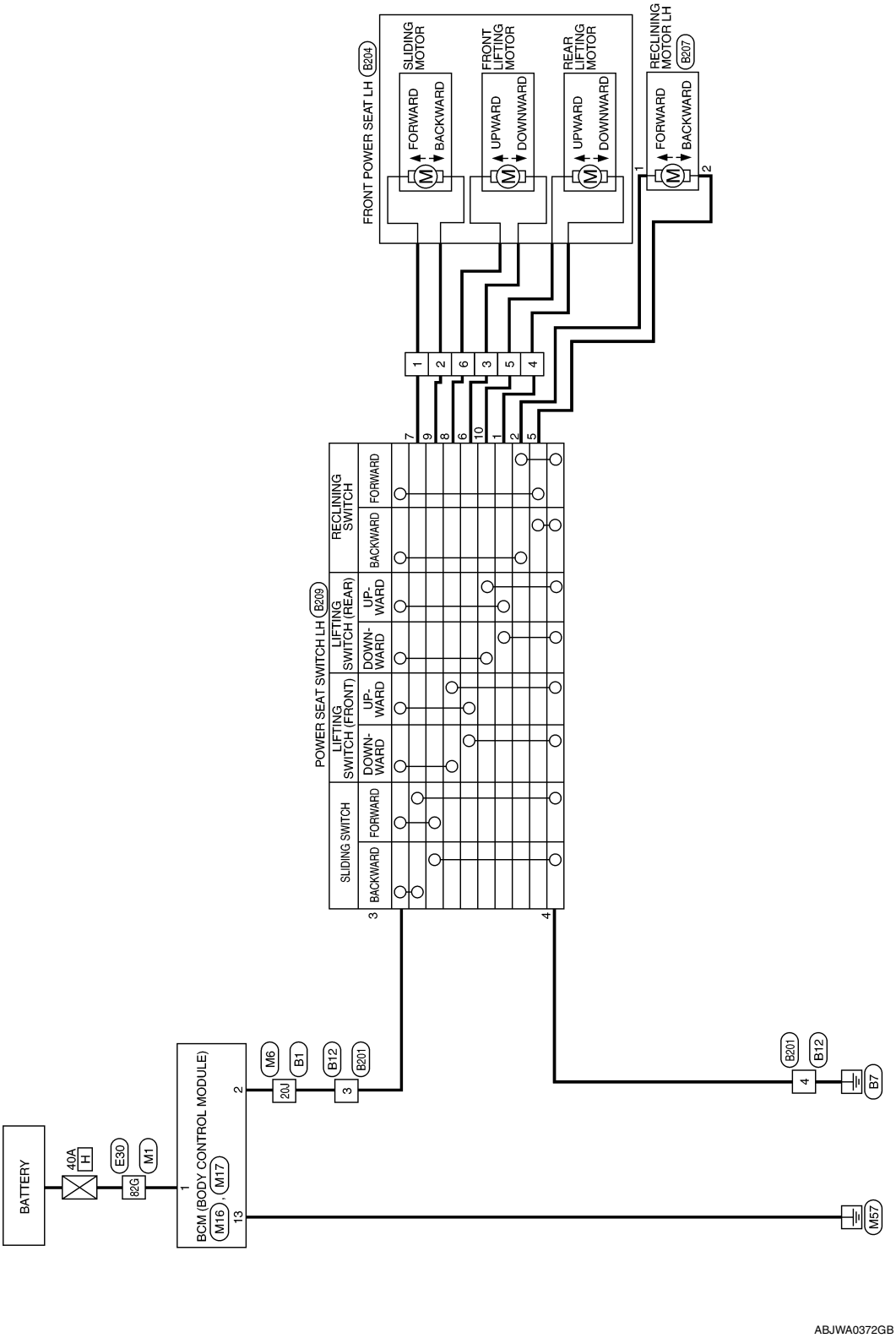
WIRING DIAGRAM

POWER SEAT FOR DRIVER SIDE

Wiring Diagram - Without Automatic Drive Positioner

INFOID:0000000009468157

POWER SEAT FOR DRIVER SIDE - WITHOUT AUTOMATIC DRIVE POSITIONER



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POWER SEAT FOR DRIVER SIDE CONNECTORS - WITHOUT AUTOMATIC DRIVE POSITIONER

Connector No.	M1
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
82G	W/B	–

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
20J	R/Y	–

Connector No.	M16
Connector Name	BCM (BODY CONTROL MODULE)
Connector Color	BLACK

H.S.

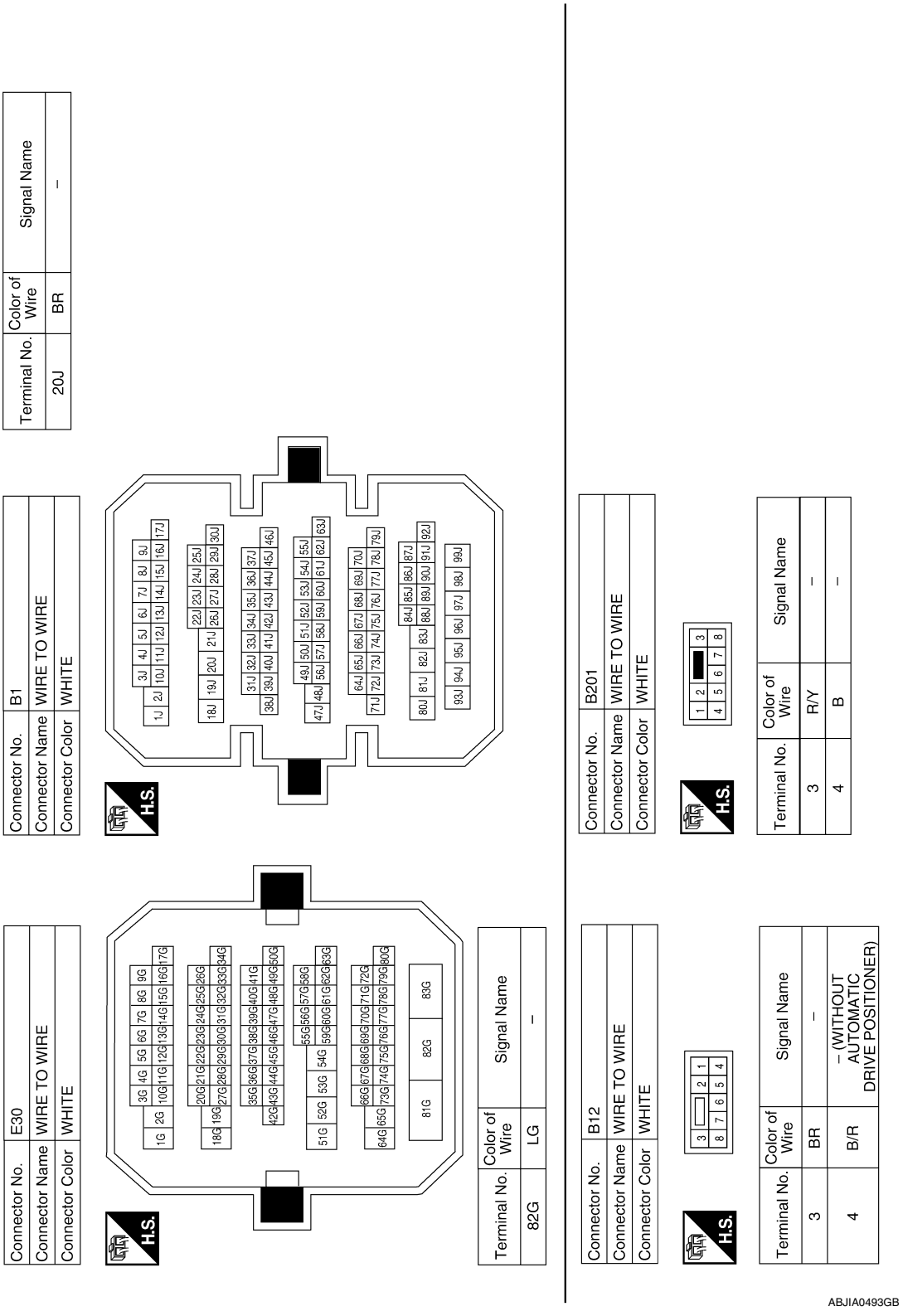
Terminal No.	Color of Wire	Signal Name
1	W/B	BATT (F/L)
2	R/Y	P/W POWER SUPPLY PERM

Connector No.	M17
Connector Name	BCM (BODY CONTROL MODULE)
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
13	B	GND1

ABJIA0241GB


Connector No. E30
Connector Name WIRE TO WIRE
Connector Color WHITE
H.S.
Terminal No. Color of Wire Signal Name
82G LG –
Connector No. B1
Connector Name WIRE TO WIRE
Connector Color WHITE
H.S.
Terminal No. Color of Wire Signal Name
20J BR –
Connector No. B12
Connector Name WIRE TO WIRE
Connector Color WHITE
H.S.
Terminal No. Color of Wire Signal Name
3 BR –
4 B/R – (WITHOUT AUTOMATIC DRIVE POSITIONER)
Connector No. B201
Connector Name WIRE TO WIRE
Connector Color WHITE
H.S.
Terminal No. Color of Wire Signal Name
3 R/Y –
4 B –
ABJIA0493GB

Connector No.	B209
Connector Name	POWER SEAT SWITCH LH (WITHOUT AUTOMATIC DRIVE POSITIONER)
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
1	G	–
2	O	–
3	R/Y	–
4	B	–
5	GR	–
6	V	–
7	Y	–
8	B	–
9	R	–
10	V	–

Connector No.	B207
Connector Name	RECLINING MOTOR LH (WITHOUT AUTOMATIC DRIVE POSITIONER)
Connector Color	BLACK

H.S.

Terminal No.	Color of Wire	Signal Name
1	O	–
2	GR	–

Connector No.	B204
Connector Name	FRONT POWER SEAT LH (WITHOUT AUTOMATIC DRIVE POSITIONER)
Connector Color	WHITE

H.S.

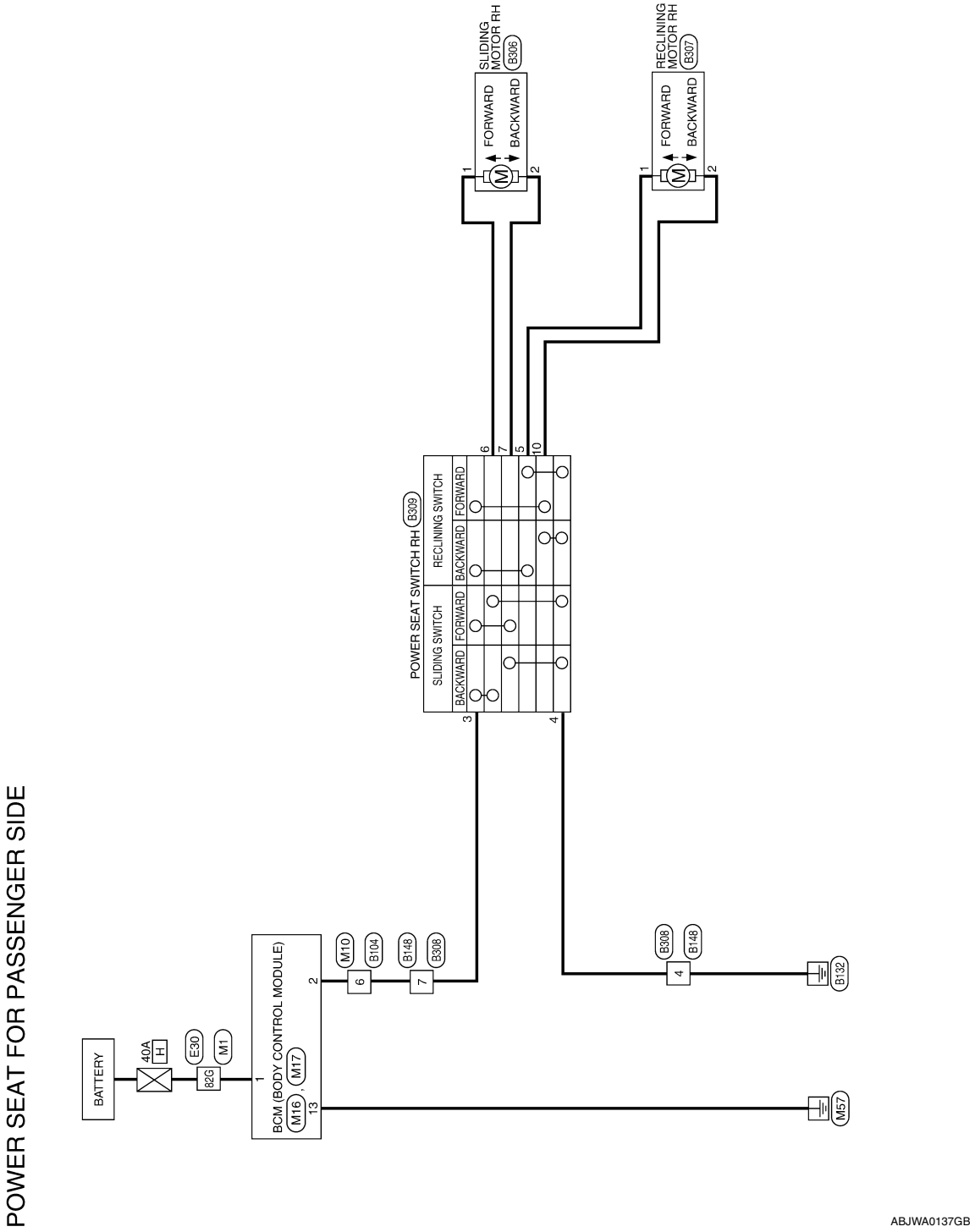
Terminal No.	Color of Wire	Signal Name
1	Y	–
2	R	–
3	V	–
4	GR	–
5	O	–
6	B/W	–

ABJIA0644GB

POWER SEAT FOR PASSENGER SIDE

Wiring Diagram

INFOID:0000000009468158

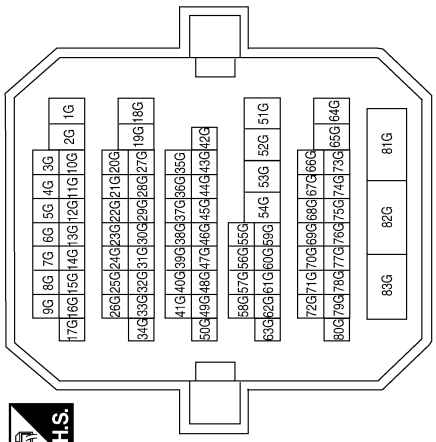


ABJWA0137GB

POWER SEAT FOR PASSENGER SIDE CONNECTORS

Connector No.	M1
Connector Name	WIRE TO WIRE
Connector Color	WHITE

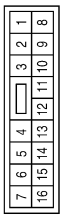
H.S.



Terminal No.	Color of Wire	Signal Name
82G	W/B	–

Connector No.	M10
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.



Terminal No.	Color of Wire	Signal Name
6	R/Y	–

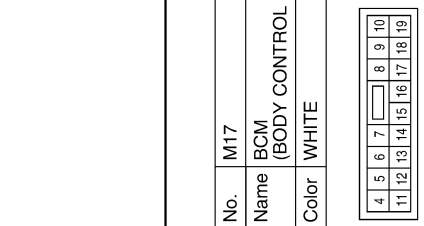
Connector No.	M16
Connector Name	BCM (BODY CONTROL MODULE)
Connector Color	BLACK

H.S.

Terminal No.	Color of Wire	Signal Name
1	W/B	BATT (F/L)
2	R/Y	P/W POWER SUPPLY PERM

Connector No.	M17
Connector Name	BCM (BODY CONTROL MODULE)
Connector Color	WHITE

H.S.



Terminal No.	Color of Wire	Signal Name
13	B	GND1

ABJIA0242GB

Connector No.	B104
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
6	SB	–

Connector No.	E30
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
82G	LG	–

Connector No.	B307
Connector Name	RECLINING MOTOR RH
Connector Color	BLACK

H.S.

Terminal No.	Color of Wire	Signal Name
1	W	–
2	GR	–

Connector No.	B306
Connector Name	SLIDING MOTOR RH
Connector Color	GRAY

H.S.

Terminal No.	Color of Wire	Signal Name
1	V	–
2	Y	–

Connector No.	B148
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

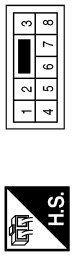
Terminal No.	Color of Wire	Signal Name
4	B	–
7	SB	–

ABJIA0385GB

Connector No.	B309
Connector Name	POWER SEAT SWITCH RH
Connector Color	WHITE

Terminal No.	Color of Wire	Signal Name
3	R/Y	–
4	B	–
5	W	–
6	V	–
7	Y	–
10	GR	–

Connector No.	B308
Connector Name	WIRE TO WIRE
Connector Color	WHITE



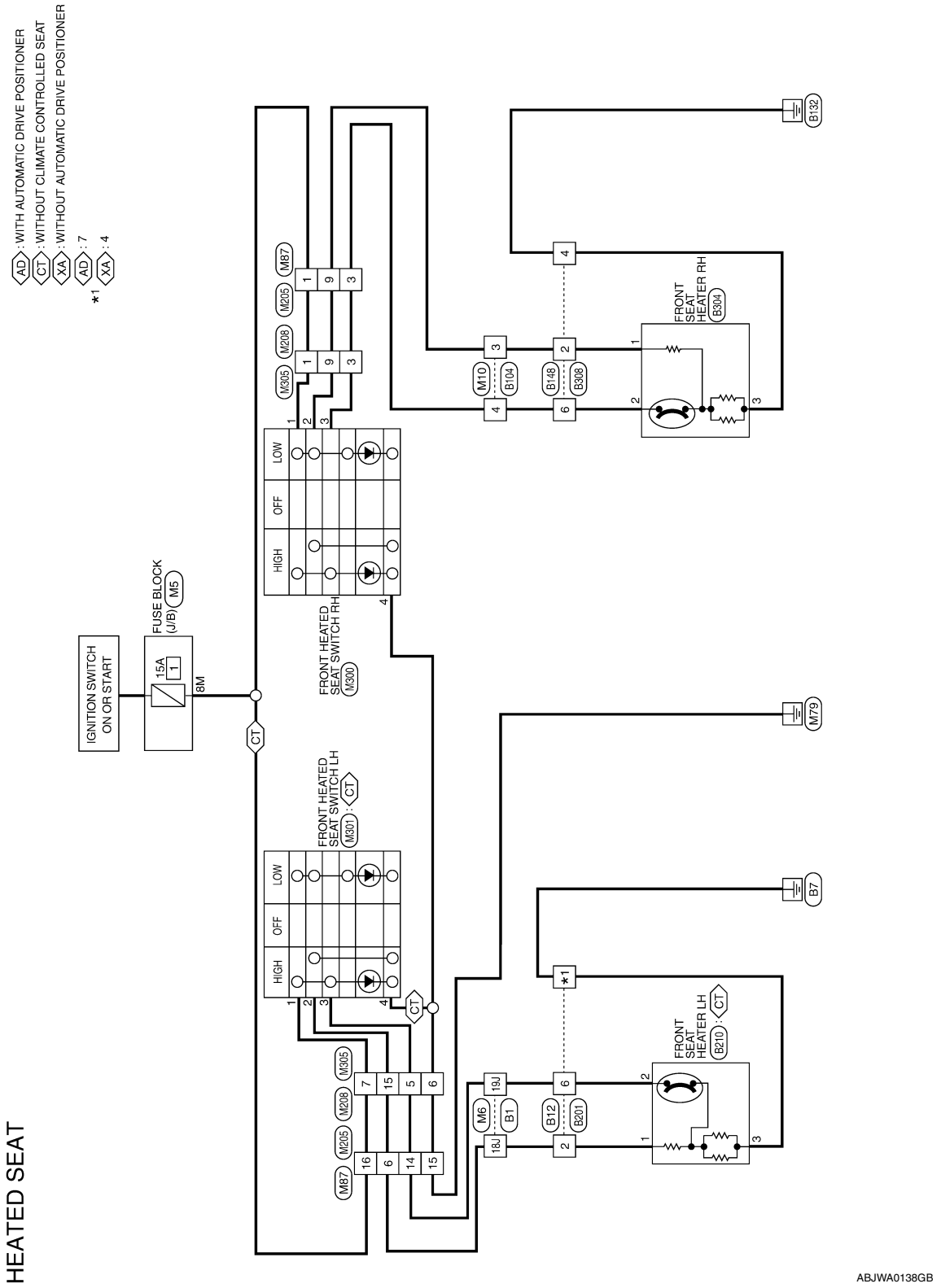
Terminal No.	Color of Wire	Signal Name
4	B	–
7	R/Y	–

AAJIA0404GB

HEATED SEAT

Wiring Diagram

INFOID:0000000009468159



HEATED SEAT CONNECTORS

Connector No.	M5
Connector Name	FUSE BLOCK (J/B)
Connector Color	WHITE

H.S.

5M	4M		3M	2M	1M
12M	11M	10M	9M	8M	7M	6M

Terminal No.	Color of Wire	Signal Name
8M	G/R	–

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

9J	8J	7J	6J	5J	4J	3J		1J
17J	16J	15J	14J	13J	12J	11J	10J	2J
	25J	24J	23J	22J		21J	20J	19J	18J
	30J	29J	28J	27J	26J			
	37J	36J	35J	34J	33J	32J	31J	
	46J	45J	44J	43J	42J	41J	40J	39J	38J
	55J	54J	53J	52J	51J	50J	49J		48J	47J
	63J	62J	61J	60J	59J	58J	57J	56J	
	70J	69J	68J	67J	66J	65J	64J	
	79J	78J	77J	76J	75J	74J	73J	72J	71J
	87J	86J	85J	84J		83J	82J	81J	80J
	92J	91J	90J	89J	88J			
	99J	98J	97J	96J	95J	94J	93J	

Terminal No.	Color of Wire	Signal Name
18J	GR	–
19J	GR/R	–

Connector No.	M205
Connector Name	WIRE TO WIRE
Connector Color	BROWN

H.S.

1	2	3		4	5	6	7
8	9	10	11	12	13	14	15	16

Terminal No.	Color of Wire	Signal Name
1	G/R	–
3	GR/B	–
6	GR	–
9	GR/L	–
14	GR/R	–
15	B	–
16	G/R	–

Connector No.	M10
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

7	6	5	4		3	2	1
16	15	14	13	12	11	10	9	8

Terminal No.	Color of Wire	Signal Name
3	GR/L	–
4	GR/B	–

Connector No.	M87
Connector Name	WIRE TO WIRE
Connector Color	BROWN

H.S.

7	6	5	4		3	2	1
16	15	14	13	12	11	10	9	8

Terminal No.	Color of Wire	Signal Name
1	G/R	–
3	GR/B	–
6	GR	–
9	GR/L	–
14	GR/R	–
15	B	–
16	G/R	–

AAJIA0025GB

Connector No.	M208
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

1	2	3		4	5	6	7
8	9	10	11	12	13	14	15	16

Terminal No.	Color of Wire	Signal Name
1	G/R	–
3	GR/B	–
5	GR/R	–
6	B	–
7	G/R	–
9	GR/L	–
15	GR	–

Connector No.	M300
Connector Name	FRONT HEATED SEAT SWITCH RH
Connector Color	BROWN

H.S.

5		6
4	2	1	3

Terminal No.	Color of Wire	Signal Name
1	SB	–
2	G	–
3	GR	–
4	B	–

Connector No.	M301
Connector Name	FRONT HEATED SEAT SWITCH LH
Connector Color	WHITE

H.S.

5		6
4	2	1	3

Terminal No.	Color of Wire	Signal Name
1	P	–
2	W	–
3	O	–
4	B	–

Connector No.	M305
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

7	6	5	4		3	2	1
16	15	14	13	12	11	10	9	8

Terminal No.	Color of Wire	Signal Name
1	SB	–
3	GR	–
5	O	–
6	B	–
7	P	–
9	G	–
15	W	–

Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
18J	W	–
19J	O	–

AAJIA0026GB

Connector No.	B12
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

3		2	1
8	7	6	5	4

Terminal No.	Color of Wire	Signal Name
2	W	–
4	B/R	– (WITHOUT AUTOMATIC DRIVE POSITIONER)
6	O	–
7	B/W	– (WITHOUT CLIMATE CONTROLLED SEAT)

Connector No.	B104
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

1	2	3		4	5	6	7
8	9	10	11	12	13	14	15	16

Terminal No.	Color of Wire	Signal Name
3	G	–
4	GR	–

Connector No.	B148
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

3		2	1
8	7	6	5	4

Terminal No.	Color of Wire	Signal Name
2	G	–
4	B	–
6	GR	–

Connector No.	B201
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.

1	2		3
4	5	6	7	8

Terminal No.	Color of Wire	Signal Name
2	GR	–
4	B	–
6	GR/W	–
7	GR/B	–

Connector No.	B210
Connector Name	FRONT SEAT HEATER LH
Connector Color	WHITE

H.S.

1	
2	3

Terminal No.	Color of Wire	Signal Name
1	GR	–
2	GR/W	–
3	W/B	–

Connector No.	B304
Connector Name	FRONT SEAT HEATER RH
Connector Color	WHITE

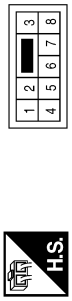
H.S.

1	
2	3

Terminal No.	Color of Wire	Signal Name
1	GR/G	–
2	GR/R	–
3	B	–

ABJIA0494GB

Connector No.	B308
Connector Name	WIRE TO WIRE
Connector Color	WHITE



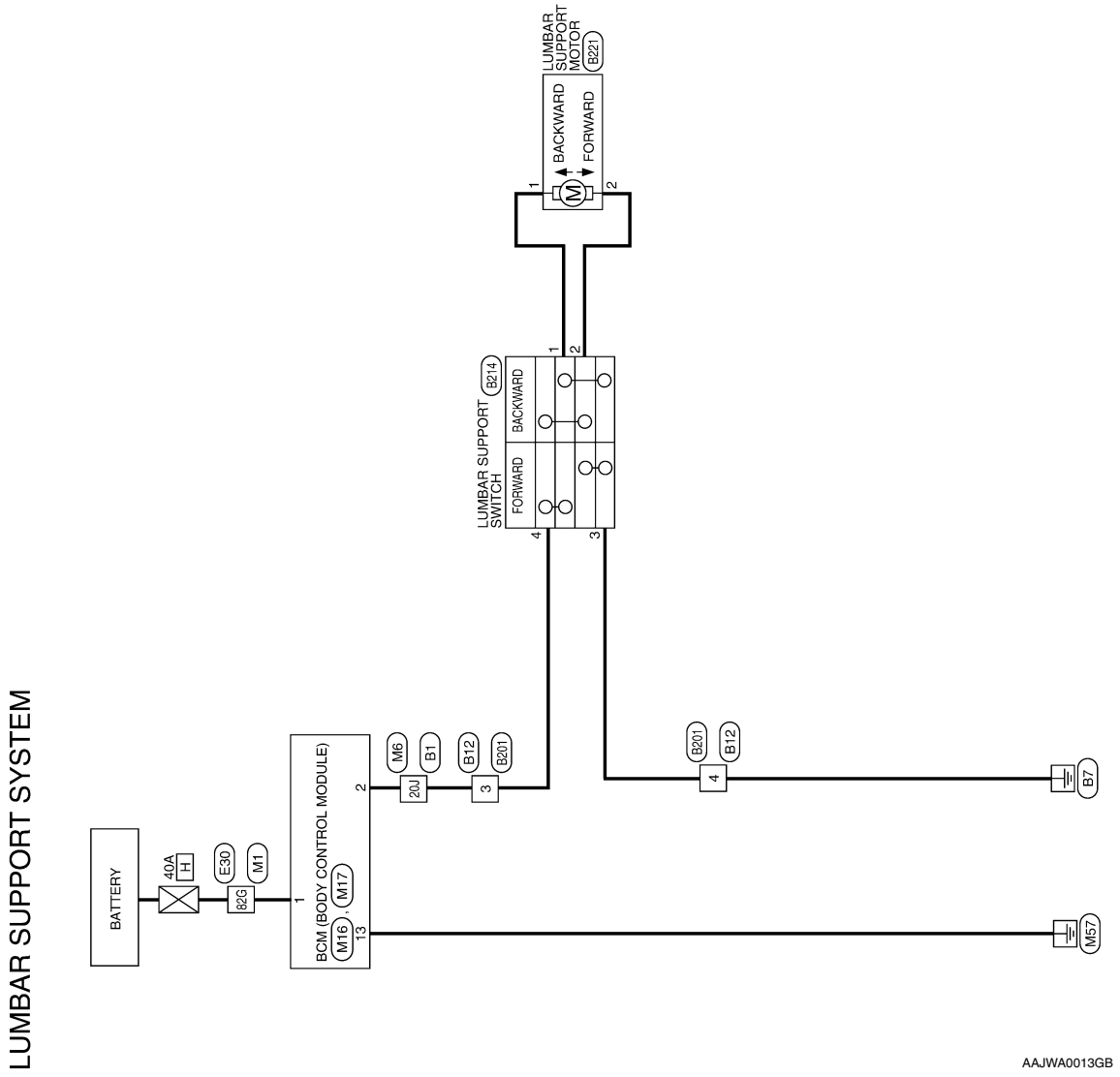
Terminal No.	Color of Wire	Signal Name
2	GR/G	–
4	B	–
6	GR/R	–

AAJIA0028GB

LUMBAR SUPPORT SYSTEM

Wiring Diagram

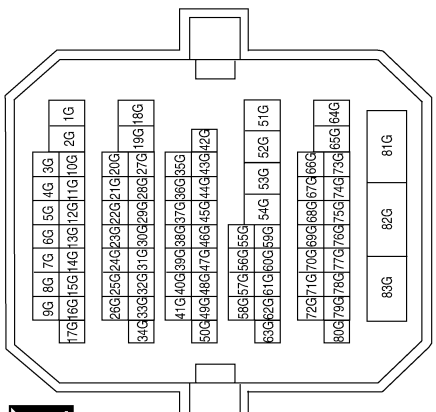
INFOID:0000000009468160



LUMBAR SUPPORT SYSTEM CONNECTORS

Connector No.	M1
Connector Name	WIRE TO WIRE
Connector Color	WHITE

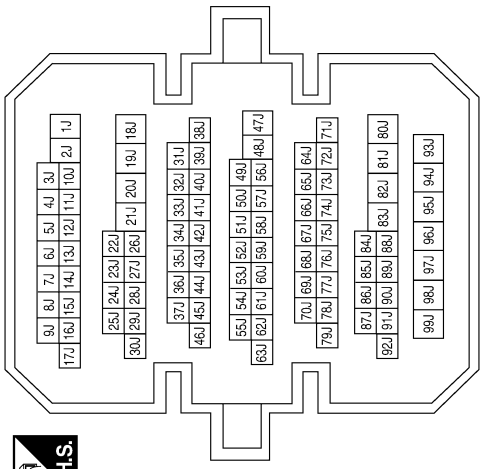
H.S.



Terminal No.	Color of Wire	Signal Name
82G	W/B	–

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Color	WHITE

H.S.



Terminal No.	Color of Wire	Signal Name
20J	R/Y	–

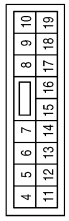
Connector No.	M16
Connector Name	BCM (BODY CONTROL MODULE)
Connector Color	BLACK

H.S.

Terminal No.	Color of Wire	Signal Name
1	W/B	BATT (F/L)
2	R/Y	P/W POWER SUPPLY PERM

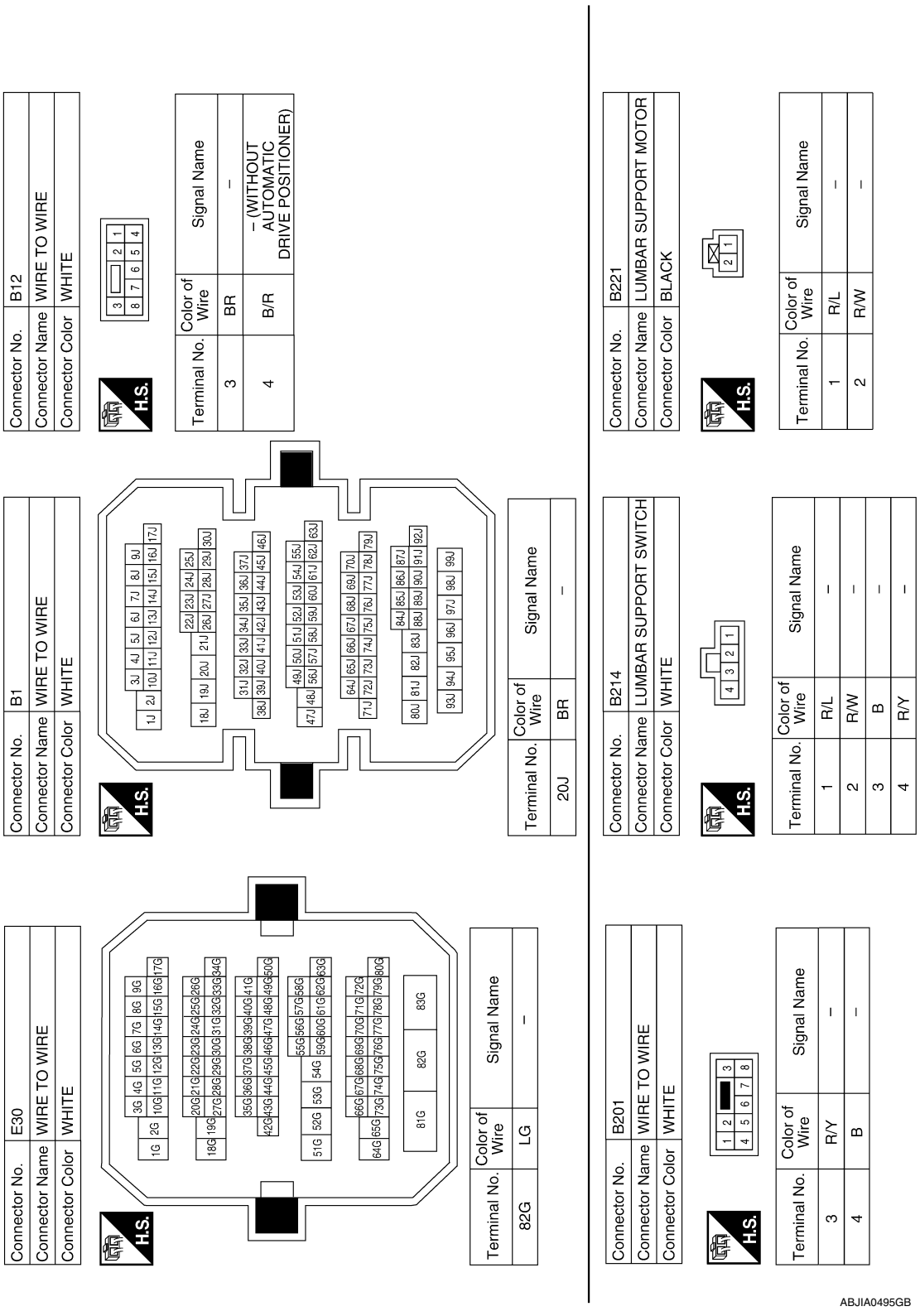
Connector No.	M17
Connector Name	BCM (BODY CONTROL MODULE)
Connector Color	WHITE

H.S.



Terminal No.	Color of Wire	Signal Name
13	B	GND1

ABJIA0243GB

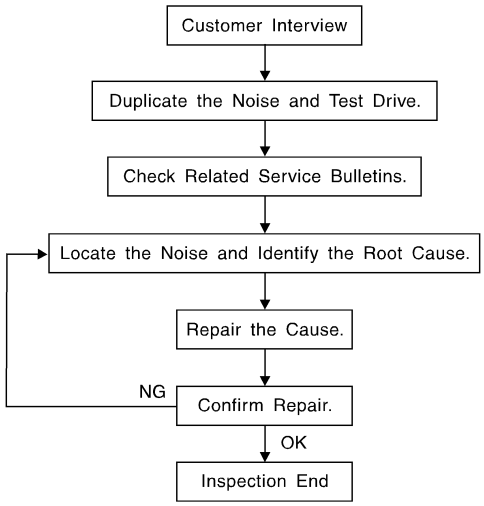

Connector No. B12
Connector Name WIRE TO WIRE
Connector Color WHITE
H.S.
Terminal No. Color of Wire Signal Name
3 BR –
4 B/R – (WITHOUT AUTOMATIC DRIVE POSITIONER)
Connector No. B1
Connector Name WIRE TO WIRE
Connector Color WHITE
H.S.
Terminal No. Color of Wire Signal Name
20J BR –
Connector No. B221
Connector Name LUMBAR SUPPORT MOTOR
Connector Color BLACK
H.S.
Terminal No. Color of Wire Signal Name
1 R/L –
2 R/W –
Connector No. B214
Connector Name LUMBAR SUPPORT SWITCH
Connector Color WHITE
H.S.
Terminal No. Color of Wire Signal Name
1 R/L –
2 R/W –
3 B –
4 R/Y –
Connector No. E30
Connector Name WIRE TO WIRE
Connector Color WHITE
H.S.
Terminal No. Color of Wire Signal Name
82G LG –
Connector No. B201
Connector Name WIRE TO WIRE
Connector Color WHITE
H.S.
Terminal No. Color of Wire Signal Name
3 R/Y –
4 B –
ABJIA0495GB

SYMPTOM DIAGNOSIS

SQUEAK AND RATTLE TROUBLE DIAGNOSES

Work Flow

INFOID:0000000009895340



SBT842

CUSTOMER INTERVIEW

Interview the customer if possible, to determine the conditions that exist when the noise occurs. Use the Diagnostic Worksheet during the interview to document the facts and conditions when the noise occurs and any customer's comments; refer to SE-114, "Diagnostic Worksheet". This information is necessary to duplicate the conditions that exist when the noise occurs.

- The customer may not be able to provide a detailed description or the location of the noise. Attempt to obtain all the facts and conditions that exist when the noise occurs (or does not occur).
- If there is more than one noise in the vehicle, be sure to diagnose and repair the noise that the customer is concerned about. This can be accomplished by test driving the vehicle with the customer.
- After identifying the type of noise, isolate the noise in terms of its characteristics. The noise characteristics are provided so the customer, service adviser and technician are all speaking the same language when defining the noise.
- Squeak —(Like tennis shoes on a clean floor)
  Squeak characteristics include the light contact/fast movement/brought on by road conditions/hard surfaces = higher pitch noise/softer surfaces = lower pitch noises/edge to surface = chirping.
- Creak—(Like walking on an old wooden floor)
  Creak characteristics include firm contact/slow movement/twisting with a rotational movement/pitch dependent on materials/often brought on by activity.
- Rattle—(Like shaking a baby rattle)
  Rattle characteristics include the fast repeated contact/vibration or similar movement/loose parts/missing clip or fastener/incorrect clearance.
- Knock —(Like a knock on a door)
  Knock characteristics include hollow sounding/sometimes repeating/often brought on by driver action.
- Tick—(Like a clock second hand)
  Tick characteristics include gentle contacting of light materials/loose components/can be caused by driver action or road conditions.
- Thump—(Heavy, muffled knock noise)
  Thump characteristics include softer knock/dead sound often brought on by activity.
- Buzz—(Like a bumble bee)
  Buzz characteristics include high frequency rattle/firm contact.
- Often the degree of acceptable noise level will vary depending upon the person. A noise that you may judge as acceptable may be very irritating to the customer.
- Weather conditions, especially humidity and temperature, may have a great effect on noise level.

DUPLICATE THE NOISE AND TEST DRIVE

If possible, drive the vehicle with the customer until the noise is duplicated. Note any additional information on the Diagnostic Worksheet regarding the conditions or location of the noise. This information can be used to duplicate the same conditions when you confirm the repair.
If the noise can be duplicated easily during the test drive, to help identify the source of the noise, try to duplicate the noise with the vehicle stopped by doing one or all of the following:
1) Close a door.
2) Tap or push/pull around the area where the noise appears to be coming from.
3) Rev the engine.
4) Use a floor jack to recreate vehicle “twist”.
5) At idle, apply engine load (electrical load, half-clutch on M/T model, drive position on CVT and A/T models).
6) Raise the vehicle on a hoist and hit a tire with a rubber hammer.

- Drive the vehicle and attempt to duplicate the conditions the customer states exist when the noise occurs.
- If it is difficult to duplicate the noise, drive the vehicle slowly on an undulating or rough road to stress the vehicle body.

CHECK RELATED SERVICE BULLETINS

After verifying the customer concern or symptom, check ASIST for Technical Service Bulletins (TSBs) related to that concern or symptom.
If a TSB relates to the symptom, follow the procedure to repair the noise.

LOCATE THE NOISE AND IDENTIFY THE ROOT CAUSE

1. Narrow down the noise to a general area. To help pinpoint the source of the noise, use a listening tool (Chassis Ear: J-39570, Engine Ear: J-39565 and mechanic's stethoscope).
2. Narrow down the noise to a more specific area and identify the cause of the noise by:
   - removing the components in the area that you suspect the noise is coming from.
     Do not use too much force when removing clips and fasteners, otherwise clips and fasteners can be broken or lost during the repair, resulting in the creation of new noise.
   - tapping or pushing/pulling the component that you suspect is causing the noise.
     Do not tap or push/pull the component with excessive force, otherwise the noise will be eliminated only temporarily.
   - feeling for a vibration with your hand by touching the component(s) that you suspect is (are) causing the noise.
   - placing a piece of paper between components that you suspect are causing the noise.
   - looking for loose components and contact marks.
     Refer to SE-112, "Generic Squeak and Rattle Troubleshooting".

REPAIR THE CAUSE

- If the cause is a loose component, tighten the component securely.
- If the cause is insufficient clearance between components:

- separate components by repositioning or loosening and retightening the component, if possible.
- insulate components with a suitable insulator such as urethane pads, foam blocks, felt cloth tape or urethane tape. A NISSAN Squeak and Rattle Kit (J-43980) is available through your authorized NISSAN Parts Department.

CAUTION:
Do not use excessive force as many components are constructed of plastic and may be damaged.
Always check with the Parts Department for the latest parts information.
The following materials are contained in the NISSAN Squeak and Rattle Kit (J-43980). Each item can be ordered separately as needed.
URETHANE PADS [1.5 mm (0.059 in) thick]
Insulates connectors, harness, etc.
76268-9E005: 100×135 mm (3.94×5.31 in)/76884-71L01: 60×85 mm (2.36×3.35 in)/76884-71L02: 15×25 mm (0.59×0.98 in)
INSULATOR (Foam blocks)
Insulates components from contact. Can be used to fill space behind a panel.
73982-9E000: 45 mm (1.77 in) thick, 50×50 mm (1.97×1.97 in)/73982-50Y00: 10 mm (0.39 in) thick, 50×50 mm (1.97×1.97 in)
INSULATOR (Light foam block)
80845-71L00: 30 mm (1.18 in) thick, 30×50 mm (1.18×1.97 in)
FELT CLOTH TAPE
Used to insulate where movement does not occur. Ideal for instrument panel applications.
68370-4B000: 15×25 mm (0.59×0.98 in) pad/68239-13E00: 5 mm (0.20 in) wide tape roll. The following materials not found in the kit can also be used to repair squeaks and rattles.

UHMW (TEFLON) TAPE
Insulates where slight movement is present. Ideal for instrument panel applications.
SILICONE GREASE
Used instead of UHMW tape that will be visible or not fit.
Note: Will only last a few months.
SILICONE SPRAY
Use when grease cannot be applied.
DUCT TAPE
Use to eliminate movement.

CONFIRM THE REPAIR

Confirm that the cause of a noise is repaired by test driving the vehicle. Operate the vehicle under the same conditions as when the noise originally occurred. Refer to the notes on the Diagnostic Worksheet.

Generic Squeak and Rattle Troubleshooting

INFOID:0000000009895341

Refer to Table of Contents for specific component removal and installation information.

INSTRUMENT PANEL

Most incidents are caused by contact and movement between:

1. Cluster lid A and the instrument panel
2. Acrylic lens and combination meter housing
3. Instrument panel to front pillar finisher
4. Instrument panel to windshield
5. Instrument panel pins
6. Wiring harnesses behind the combination meter
7. A/C defroster duct and duct joint

These incidents can usually be located by tapping or moving the components to duplicate the noise or by pressing on the components while driving to stop the noise. Most of these incidents can be repaired by applying felt cloth tape or silicone spray (in hard to reach areas). Urethane pads can be used to insulate wiring harness.

CAUTION:
Do not use silicone spray to isolate a squeak or rattle. If you saturate the area with silicone, you will not be able to recheck the repair.

CENTER CONSOLE

Components to pay attention to include:

1. Shift selector assembly cover to finisher
2. A/C control unit and cluster lid C
3. Wiring harnesses behind audio and A/C control unit

The instrument panel repair and isolation procedures also apply to the center console.

DOORS

Pay attention to the:

1. Finisher and inner panel making a slapping noise
2. Inside handle escutcheon to door finisher
3. Wiring harnesses tapping
4. Door striker out of alignment causing a popping noise on starts and stops

Tapping or moving the components or pressing on them while driving to duplicate the conditions can isolate many of these incidents. You can usually insulate the areas with felt cloth tape or insulator foam blocks from the NISSAN Squeak and Rattle Kit (J-43980) to repair the noise.

TRUNK

Trunk noises are often caused by a loose jack or loose items put into the trunk by the owner.
In addition look for:

1. Trunk lid bumpers out of adjustment
2. Trunk lid striker out of adjustment
3. The trunk lid torsion bars knocking together

4. A loose license plate or bracket

Most of these incidents can be repaired by adjusting, securing or insulating the item(s) or component(s) causing the noise.

SUNROOF/HEADLINING

Noises in the sunroof/headlining area can often be traced to one of the following:

1. Sunroof lid, rail, linkage or seals making a rattle or light knocking noise
2. Sun visor shaft shaking in the holder
3. Front or rear windshield touching headlining and squeaking

Again, pressing on the components to stop the noise while duplicating the conditions can isolate most of these incidents. Repairs usually consist of insulating with felt cloth tape.

OVERHEAD CONSOLE (FRONT AND REAR)

Overhead console noises are often caused by the console panel clips not being engaged correctly. Most of these incidents are repaired by pushing up on the console at the clip locations until the clips engage.
In addition look for:

1. Loose harness or harness connectors.
2. Front console map/reading lamp lens loose.
3. Loose screws at console attachment points.

SEATS

When isolating seat noise it's important to note the position the seat is in and the load placed on the seat when the noise is present. These conditions should be duplicated when verifying and isolating the cause of the noise.
Cause of seat noise include:

1. Headrest rods and holder
2. A squeak between the seat pad cushion and frame
3. The rear seatback lock and bracket

These noises can be isolated by moving or pressing on the suspected components while duplicating the conditions under which the noise occurs. Most of these incidents can be repaired by repositioning the component or applying urethane tape to the contact area.

UNDERHOOD

Some interior noise may be caused by components under the hood or on the engine wall. The noise is then transmitted into the passenger compartment.
Causes of transmitted underhood noise include:

1. Any component installed to the engine wall
2. Components that pass through the engine wall
3. Engine wall mounts and connectors
4. Loose radiator installation pins
5. Hood bumpers out of adjustment
6. Hood striker out of adjustment

These noises can be difficult to isolate since they cannot be reached from the interior of the vehicle. The best method is to secure, move or insulate one component at a time and test drive the vehicle. Also, engine rpm or load can be changed to isolate the noise. Repairs can usually be made by moving, adjusting, securing, or insulating the component causing the noise.

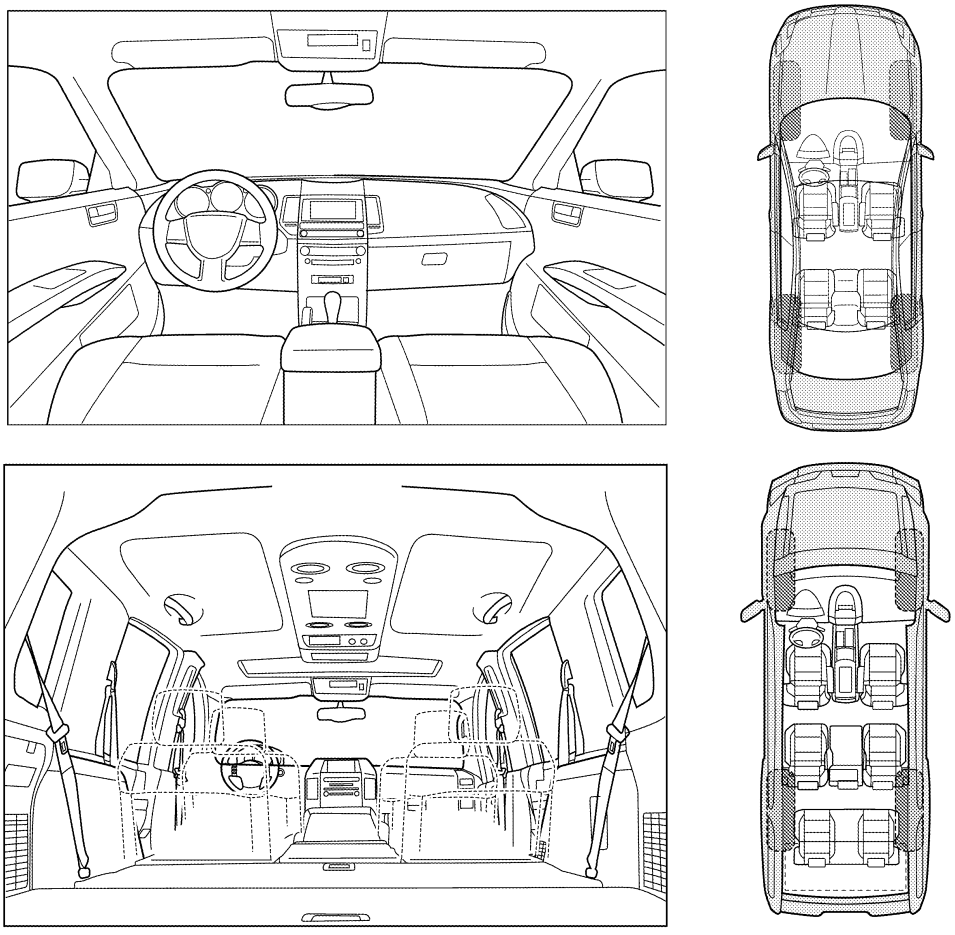
Diagnostic Worksheet

INFOID:0000000009895342

Dear Customer:
We are concerned about your satisfaction with your vehicle. Repairing a squeak or rattle sometimes can be very difficult. To help us fix your vehicle right the first time, please take a moment to note the area of the vehicle where the squeak or rattle occurs and under what conditions. You may be asked to take a test drive with a service advisor or technician to ensure we confirm the noise you are hearing.

SQUEAK & RATTLE DIAGNOSTIC WORKSHEET

I. WHERE DOES THE NOISE COME FROM? (circle the area of the vehicle)
The illustrations are for reference only, and may not reflect the actual configuration of your vehicle.



Continue to page 2 of the worksheet and briefly describe the location of the noise or rattle. In addition, please indicate the conditions which are present when the noise occurs.

LAIA0072E

SQUEAK & RATTLE DIAGNOSTIC WORKSHEET - page 2

Briefly describe the location where the noise occurs:

_____

_____

II. WHEN DOES IT OCCUR? (please check the boxes that apply)

- ☐ Anytime
- ☐ 1st time in the morning
- ☐ Only when it is cold outside
- ☐ Only when it is hot outside
- ☐ After sitting out in the rain
- ☐ When it is raining or wet
- ☐ Dry or dusty conditions
- ☐ Other:

III. WHEN DRIVING:

- ☐ Through driveways
- ☐ Over rough roads
- ☐ Over speed bumps
- ☐ Only about ____ mph
- ☐ On acceleration
- ☐ Coming to a stop
- ☐ On turns: left, right or either (circle)
- ☐ With passengers or cargo
- ☐ Other: _____
- ☐ After driving _____ miles or _____ minutes

IV. WHAT TYPE OF NOISE

- ☐ Squeak (like tennis shoes on a clean floor)
- ☐ Creak (like walking on an old wooden floor)
- ☐ Rattle (like shaking a baby rattle)
- ☐ Knock (like a knock at the door)
- ☐ Tick (like a clock second hand)
- ☐ Thump (heavy muffled knock noise)
- ☐ Buzz (like a bumble bee)

TO BE COMPLETED BY DEALERSHIP PERSONNEL

Test Drive Notes:

_____

_____

_____

	YES	NO	Initials of person performing
Vehicle test driven with customer	☐	☐	_____
- Noise verified on test drive	☐	☐	_____
- Noise source located and repaired	☐	☐	_____
- Follow up test drive performed to confirm repair	☐	☐	_____

VIN: _____ Customer Name _____

W.O.# _____ Date: _____

This form must be attached to Work Order

LAIA0071E

PRECAUTION

PRECAUTIONS

Precaution for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSIONER"

INFOID:0000000009468164

The Supplemental Restraint System such as “AIR BAG” and “SEAT BELT PRE-TENSIONER”, used along with a front seat belt, helps to reduce the risk or severity of injury to the driver and front passenger for certain types of collision. This system includes seat belt switch inputs and dual stage front air bag modules. The SRS system uses the seat belt switches to determine the front air bag deployment, and may only deploy one front air bag, depending on the severity of a collision and whether the front occupants are belted or unbelted. Information necessary to service the system safely is included in the SR and SB section of this Service Manual.

WARNING:

- **To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision which would result in air bag inflation, all maintenance must be performed by an authorized NISSAN/INFINITI dealer.**
- **Improper maintenance, including incorrect removal and installation of the SRS, can lead to personal injury caused by unintentional activation of the system. For removal of Spiral Cable and Air Bag Module, see the SR section.**
- **Do not use electrical test equipment on any circuit related to the SRS unless instructed to in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.**

PRECAUTIONS WHEN USING POWER TOOLS (AIR OR ELECTRIC) AND HAMMERS

WARNING:

- **When working near the Airbag Diagnosis Sensor Unit or other Airbag System sensors with the Ignition ON or engine running, DO NOT use air or electric power tools or strike near the sensor(s) with a hammer. Heavy vibration could activate the sensor(s) and deploy the air bag(s), possibly causing serious injury.**
- **When using air or electric power tools or hammers, always switch the Ignition OFF, disconnect the battery and wait at least 3 minutes before performing any service.**

Service Notice

INFOID:0000000009468165

- When removing or installing various parts, place a cloth or padding onto the vehicle body to prevent scratches.
- Handle trim, molding, instruments, grille, etc. carefully during removing or installing. Be careful not to oil or damage them.
- Apply sealing compound where necessary when installing parts.
- When applying sealing compound, be careful that the sealing compound does not protrude from parts.
- When replacing any metal parts (for example body outer panel, members, etc.), be sure to take rust prevention measures.

Precaution for Work

INFOID:0000000009468166

- When removing or disassembling each component, be careful not to damage or deform it. If a component may be subject to interference, be sure to protect it with a shop cloth.
- When removing (disengaging) components with a screwdriver or similar tool, be sure to wrap the component with a shop cloth or vinyl tape to protect it.
- Protect the removed parts with a shop cloth and prevent them from being dropped.
- Replace a deformed or damaged clip.
- If a part is specified as a non-reusable part, always replace it with a new one.
- Be sure to tighten bolts and nuts securely to the specified torque.
- After installation is complete, be sure to check that each part works properly.
- Follow the steps below to clean components:

- Water soluble dirt:
- Dip a soft cloth into lukewarm water, wring the water out of the cloth and wipe the dirty area.
- Then rub with a soft, dry cloth.

- Oily dirt:

- Dip a soft cloth into lukewarm water with mild detergent (concentration: within 2 to 3%) and wipe the dirty area.
- Then dip a cloth into fresh water, wring the water out of the cloth and wipe the detergent off.
- Then rub with a soft, dry cloth.

- Do not use organic solvent such as thinner, benzene, alcohol or gasoline.
- For genuine leather seats, use a genuine leather seat cleaner.

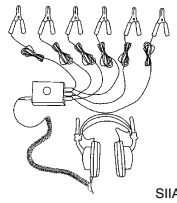
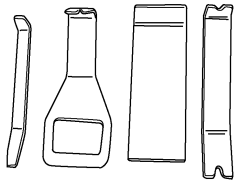
PREPARATION

PREPARATION

Special Service Tools

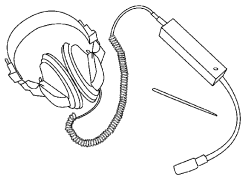
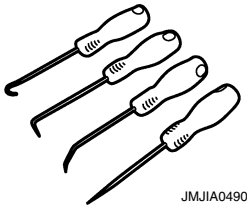
INFOID:0000000009895343

The actual shapes of Kent-Moore tools may differ from those of special service tools illustrated here.

Tool number (Kent-Moore No.) Tool name	Description
— (J-39570) Chassis Ear  SIIA0993E	Locating the noise
— (J-46534) Trim Tool Set  AWJIA0483ZZ	Removing trim components
— (J-50397) NISSAN Squeak and Rattle Kit  ALJIA1232ZZ	Repairing the cause of noise

Commercial Service Tool

INFOID:0000000009468168

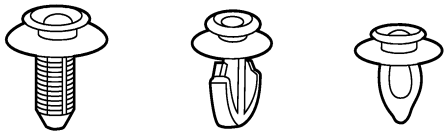
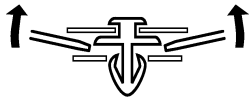
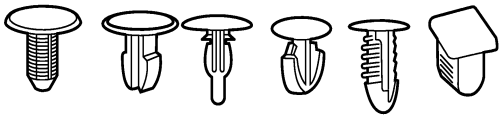
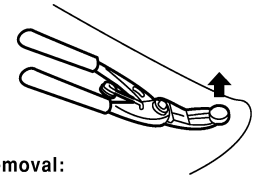
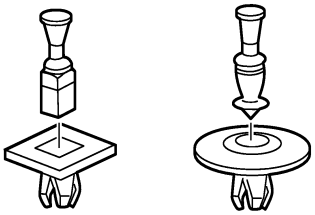
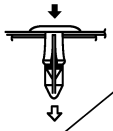
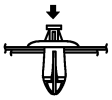
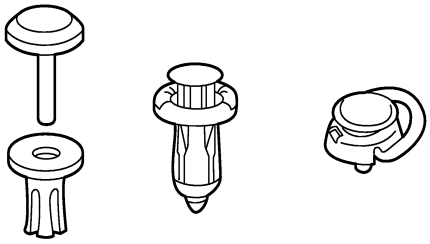
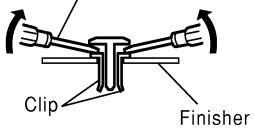
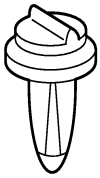
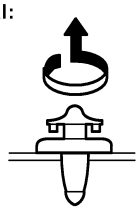
(Kent-Moore No.) Tool name	Description
(J-39565) Engine Ear  SIIA0995E	Locating the noise
Hook and pick tool  JMJIA0490ZZ	Remove the snap pins

CLIP LIST

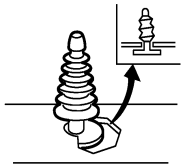
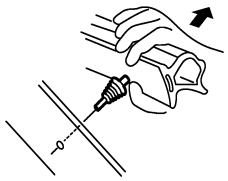
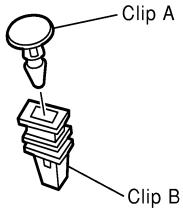
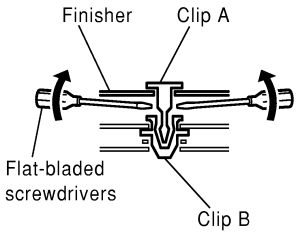
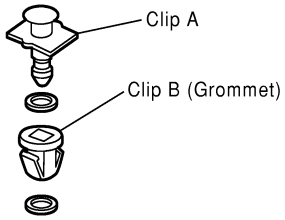
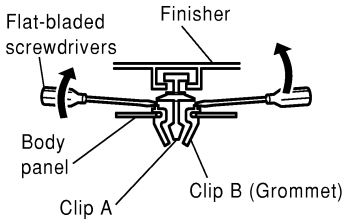
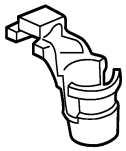
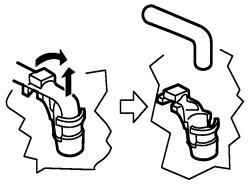
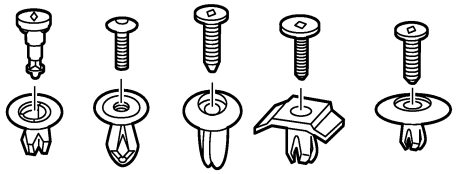
Descriptions for Clips

INFOID:0000000009468169

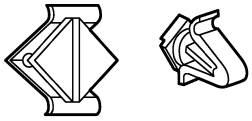
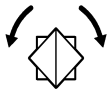
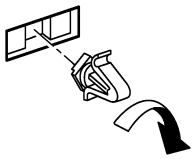
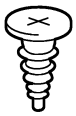
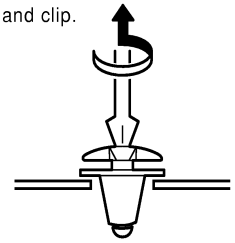
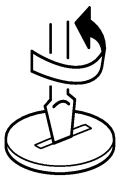
Replace any clips which are damaged during removal or installation.

Symbol No.	Shapes	Removal & Installation
C101		**Removal:** Remove by bending up with flat-bladed screwdrivers or clip remover. 
C103		 **Removal:** Remove with a clip remover.
C203		**Removal:** Push center pin to catching position. (Do not remove center pin by hitting it.) Push  Push  **Installation:**
C205		**Removal:** Flat-bladed screwdriver  Clip Finisher
C206		**Removal:** 

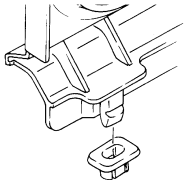
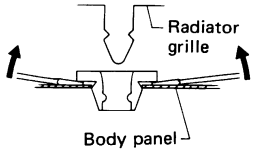
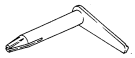
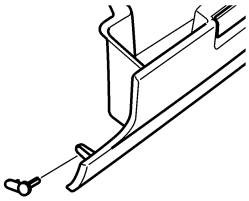
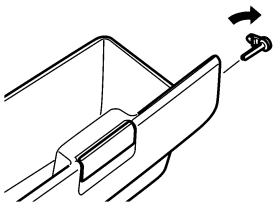
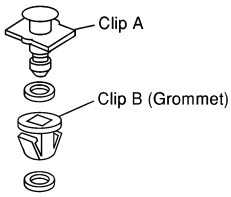
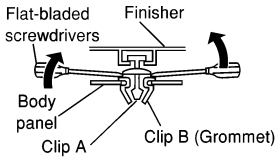
SIIA0315E

Symbol No.	Shapes	Removal & Installation
CE103 		**Removal:** 
CF110 		**Removal:** 
CF118 		**Removal:** 
CR103		**Removal:** Holder portion of clip must be spread out to remove rod. 
CS101 		**Removal:** 1. Screw out with a Phillips screwdriver. 2. Remove female portion with flat-bladed screwdriver. 

SIIA0316E

Symbol No.	Shapes	Removal & Installation
CG101 		**Removal:**  Rotate 45° to remove  **Removal:** **Installation:** 
CS102 		
CS113 		**Removal:** Disconnect upper connection of clip with a flat-bladed screwdriver, then remove clip while inserting a flat-bladed screwdriver between body panel and clip. 
C111 		

SIIA0317E

Symbol No.	Shapes	Removal & Installation
CG104 		**Removal:** **Remove by bending up with flat-bladed screwdrivers.** 
CE114 		
CF118 		**Removal:** 

ALJIA0564GB

REMOVAL AND INSTALLATION

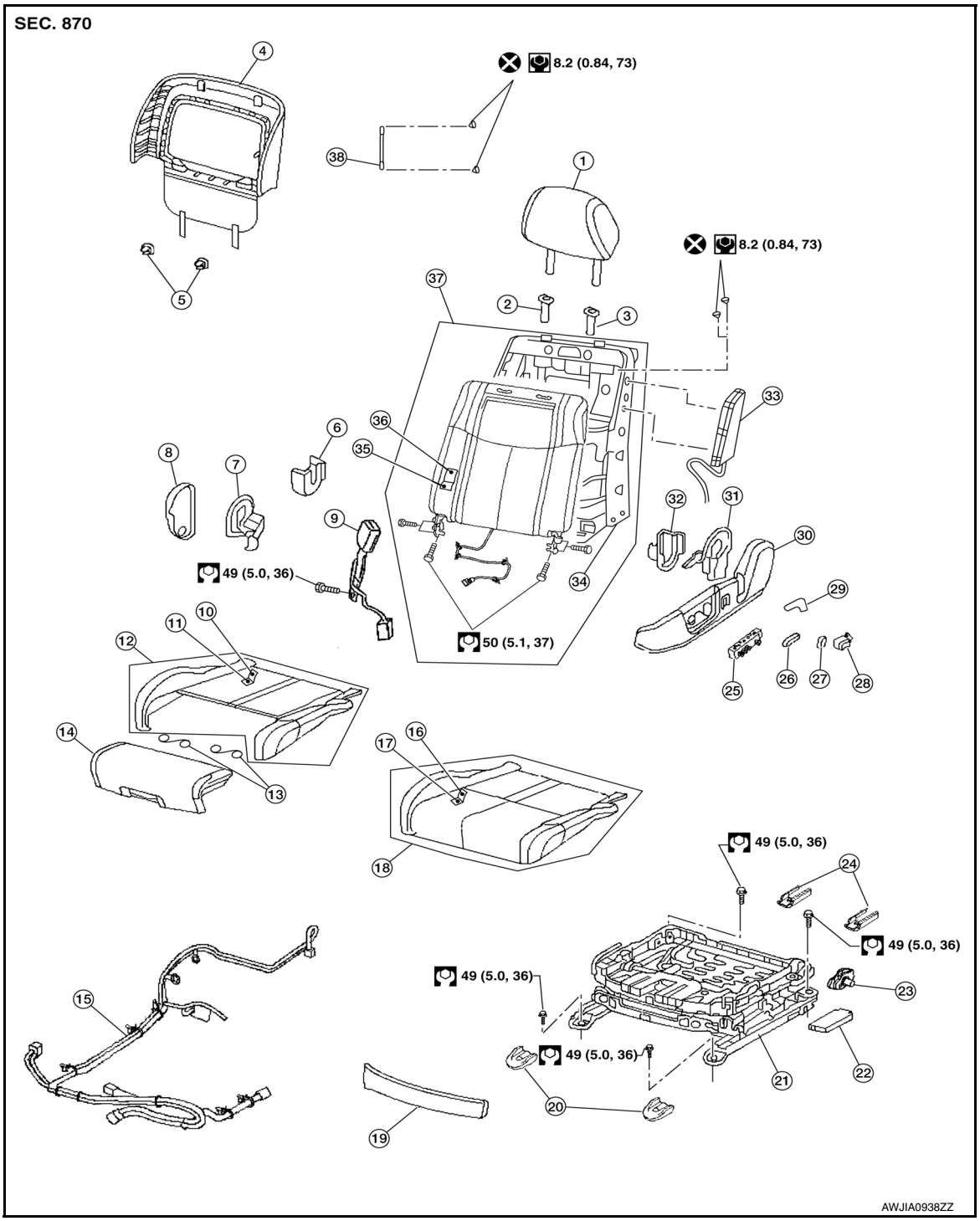
FRONT SEAT

Exploded View

INFOID:0000000009468170

DRIVER

Driver Seat - Without Climate Controlled Seats

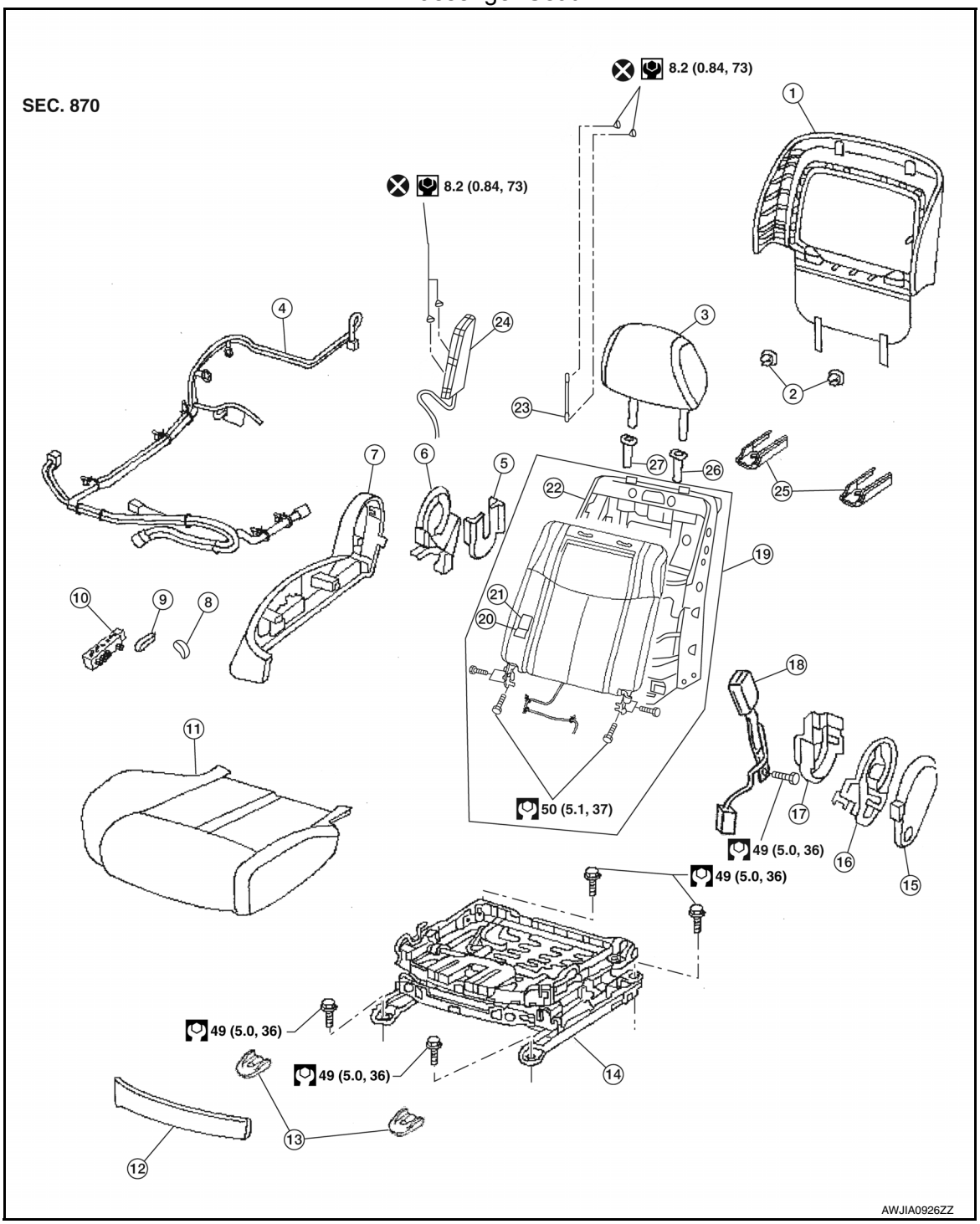


1. Headrest
2. Headrest holder (free)
3. Headrest holder (locked)
4. Seatback board
5. Seatback board clip
6. Seat cushion inner finisher inside (RH)
7. Recline mechanism inner cover
8. Seat cushion outer finisher (RH)
9. Seat belt buckle

10. Seat cushion trim
11. Seat cushion pad
12. Seat cushion assembly
13. Thigh extension tether
14. Thigh extension assembly
15. Seat harness
16. Seat cushion trim (w/o thigh extension)
17. Seat cushion pad (w/o thigh extension)
18. Seat cushion assembly (w/o thigh extension)
19. Seat cushion front finisher
20. Front slide cover
21. Seat frame assembly
22. Power seat control unit
23. Actuator bracket
24. Rear slide cover
25. Power seat switch
26. Seat slide and lifter switch knob
27. Seat recline knob
28. Lumbar support switch (if equipped)
29. Lumbar lever (if equipped)
30. Seat cushion outer finisher (LH)
31. Recline device outer cover
32. Seat cushion inner finisher (LH)
33. Side air bag module
34. Seatback frame
35. Seatback pad
36. Seatback trim
37. Seatback assembly
38. Chute rod

PASSENGER

Passenger Seat



1. Seatback board	2. Seatback board clip	3. Headrest
4. Seat harness	5. Seat cushion inner finisher inside (RH)	6. Recline device inner cover
7. Seat cushion outer finisher (RH)	8. Seat recline knob	9. Seat slide and lifter switch knob
10. Power seat switch	11. Seat cushion assembly	12. Seat cushion front finisher
13. Front slide cover	14. Seat frame assembly	15. Seat cushion outer finisher (LH)
16 Recline mechanism inner cover	17. Seat cushion inner finisher inside (LH)	18. Seat belt buckle
19. Seatback assembly	20. Seatback pad	21. Seatback trim
22. Seatback frame	23. Chute rod	24. Side air bag module
25. Rear slide cover	26. Headrest holder (locked)	27. Headrest holder (free)

Removal and Installation

INFOID:0000000009468171

REMOVAL

WARNING:

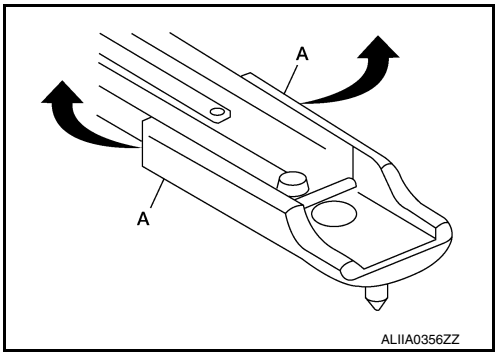
Do not leave any objects (screwdrivers, tools, etc.) on the seat during seat repair. It can lead to personal injury if the side air bag module should accidentally deploy.

CAUTION:

- **When removing or installing the seat trim, handle it carefully to keep dirt out and to avoid damage.**
- **When checking the power seat circuit for continuity using a circuit tester, do not confuse its connector with the side air bag module connector. Such an error may cause the air bag module to deploy.**
- **Do not drop, tilt, or bump the side air bag module while installing the seat. Always handle it with care.**
- **After the front side air bag module inflates, the front seatback assembly must be replaced.**
- **When removing and installing the seat, use shop cloths to protect components from damage.**
- **Before removing the front seat, turn the ignition switch OFF, disconnect both battery terminals and wait at least three minutes.**

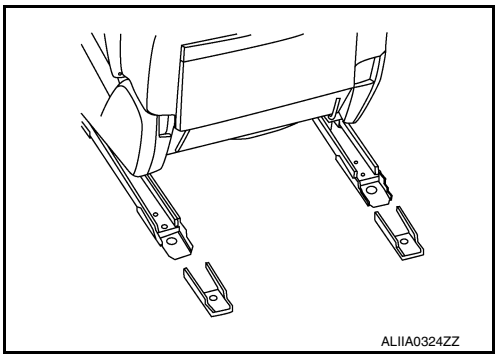
1. Slide the seat to the full froward position.
2. Remove the rear slide covers.

a. Release the pawls (A).

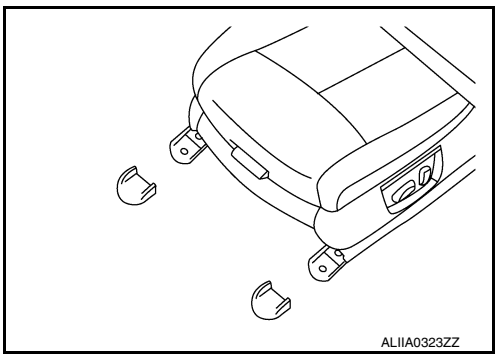


b. Remove the rear slide covers.

3. Remove the rear mount bolts.



4. Slide the seat to the full rearward position.
5. Remove the front slide covers.
6. Remove the front mount bolts.



7. Disconnect the negative and positive battery terminals and wait at least three minutes. Refer to PG-67, "Removal and Installation (Battery)".

8. Disconnect the harness connector under the seat and remove harness clips.
9. Remove seat from the vehicle.

INSTALLATION

Installation is in the reverse order of removal.

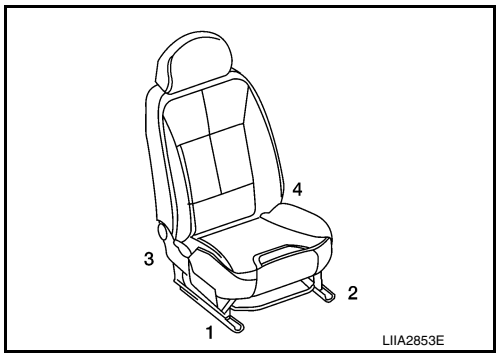
CAUTION:

Make sure that the seat harness or the floor trim is not damaged during installation.

NOTE:

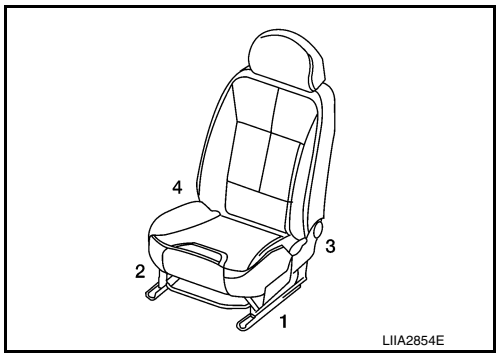
- When installing the LH front seat, tighten the bolts in the order shown.

LH front seat bolt torque : 49 Nm (5.0 kg-m, 36 ft-lb)



- When installing the RH front seat, tighten the bolts in the order shown.

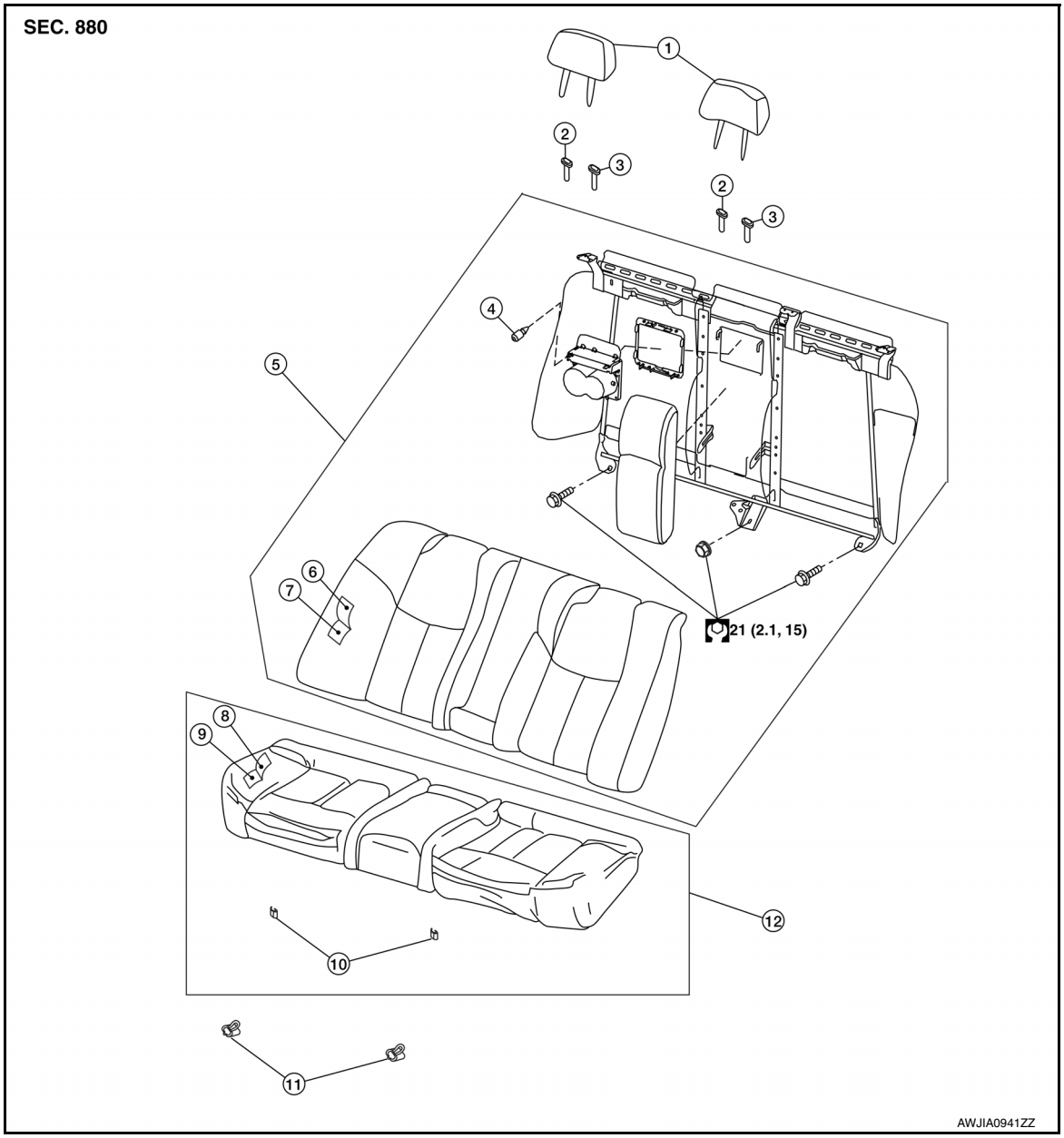
RH front seat bolt torque : 49 Nm (5.0 kg-m, 36 ft-lb)



REAR SEAT

Exploded View - Fixed Seatback

INFOID:0000000009468172



1. Headrest
2. Headrest holder (free)
3. Headrest holder (locked)
4. Bumper
5. Seatback assembly
6. Seatback trim
7. Seatback pad
8. Seat cushion trim
9. Seat cushion pad
10. Seat cushion wire cover
11. Seat cushion lock
12. Seat cushion assembly

Removal and Installation

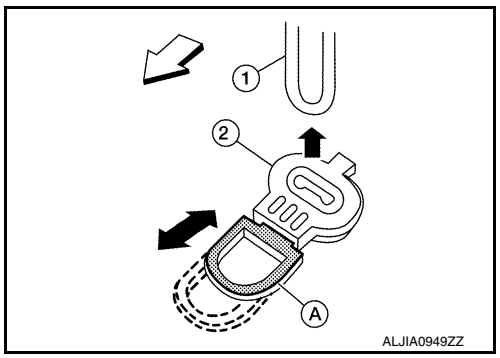
INFOID:0000000009468173

CAUTION:
When removing and installing, use shop cloths to protect parts from damage.

SEAT CUSHION ASSEMBLY

Removal

1. Locate the seat cushion lock (2) at the front bottom of the seat cushion assembly (one for each side). Pull the release lever (A) forward and lift the seat cushion assembly upward to release the seat cushion wire (1) from the seat cushion lock (2).
   ⇦: Front
2. Then pull the seat cushion assembly forward to remove.

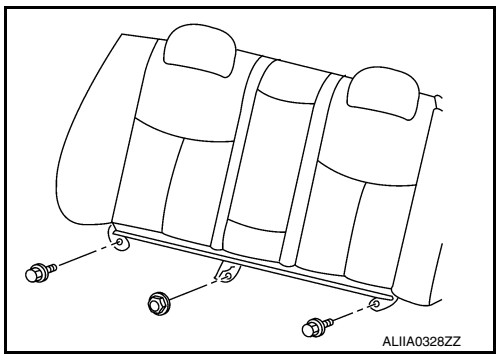


Installation
Installation is in the reverse order of removal.

SEATBACK

Removal

1. Remove the seat cushion assembly.
2. Remove the headrests (LH/RH).
3. Remove the seatback frame bolts and nut.

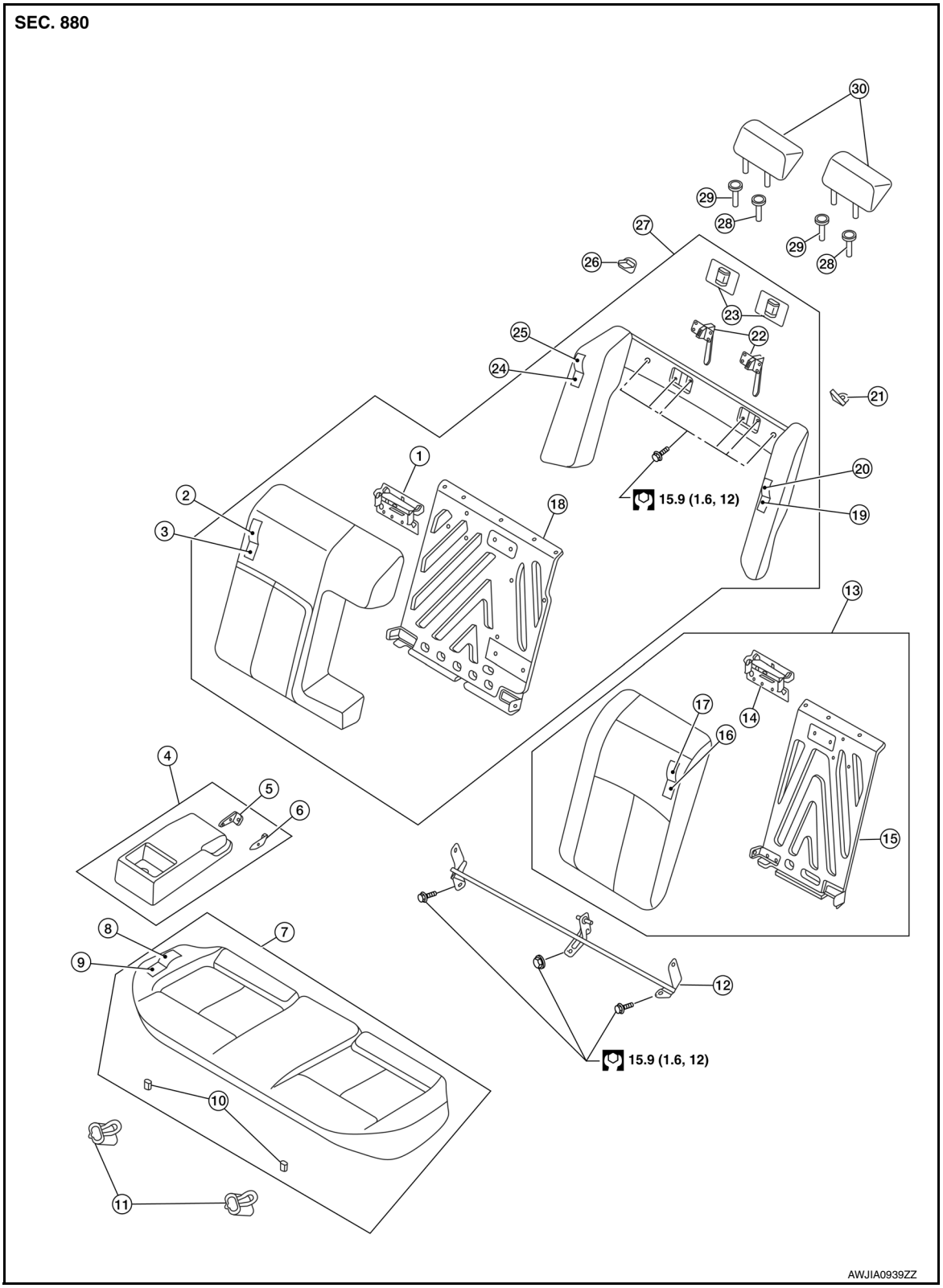


4. Lift the seatback to disengage seat hook wires from the hangers.

Installation
Installation is in the reverse order of removal.

Exploded View - 60:40 Split Seatback

INFOID:0000000009468174



1. Seatback latch striker (RH)
2. Seatback trim (RH)
3. Seatback pad (RH)
4. Armrest assembly
5. Inner armrest bracket (RH)
6. Inner armrest bracket (LH)
7. Seat cushion assembly
8. Seat cushion trim
9. Seat cushion pad
10. Seat cushion wire cover
11. Seat cushion lock
12. Seatback hinge assembly

13. Seatback assembly (LH)
14. Seatback latch striker (LH)
15. Seatback frame (LH)
16. Seatback pad (LH)
17. Seatback trim (LH)
18. Seatback frame (RH)
19. Side bolster pad (LH)
20. Side bolster trim (LH)
21. Seat belt guide (LH)
22. Seatback latch assembly
23. Seatback latch cover
24. Side bolster pad (RH)
25. Side bolster trim (RH)
26. Seat belt guide (RH)
27. Seatback assembly (RH)
28. Headrest holder (locked)
29. Headrest holder (free)
30. Headrest

Removal and Installation

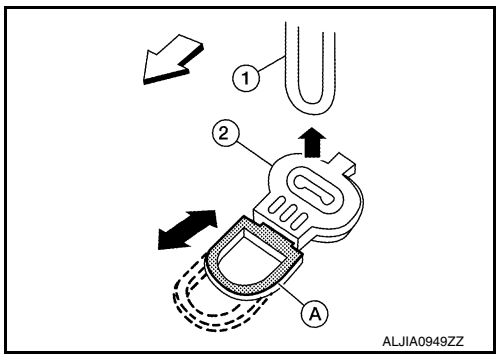
INFOID:0000000009468175

CAUTION:
When removing and installing, use shop cloths to protect parts from damage.

SEAT CUSHION ASSEMBLY

Removal

1. Locate the seat cushion lock (2) at the front bottom of the seat cushion assembly (one for each side). Pull the release lever (A) forward and lift the seat cushion assembly upward to release the seat cushion wire (1) from the seat cushion lock (2).
   ⇦: Front
2. Then pull the seat cushion assembly forward to remove.

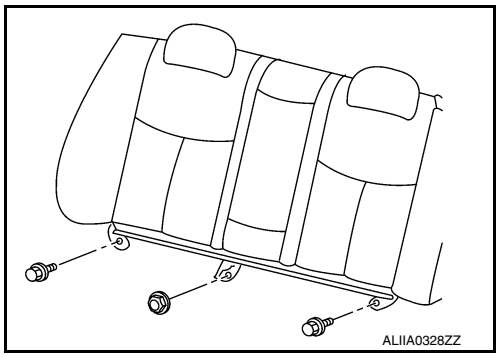


Installation
Installation is in the reverse order of removal.

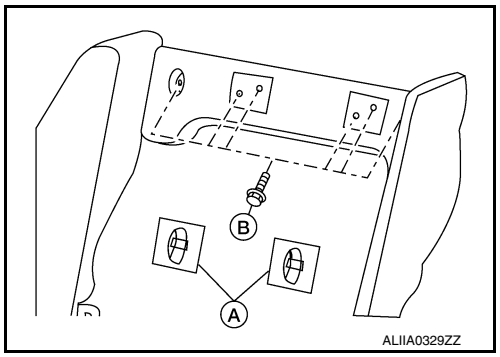
SEATBACK

Removal

1. Lock seatback (LH/RH) in upright position.
2. Remove the seatback hinge assembly bolts and nut.
3. Fold seatback (LH/RH) forward.



4. Remove seatback latch covers (A).
5. Remove the halo upper frame assembly bolts (B).
6. Remove the seatback assembly.



Installation

Installation is in the reverse order of removal.

UNIT DISASSEMBLY AND ASSEMBLY

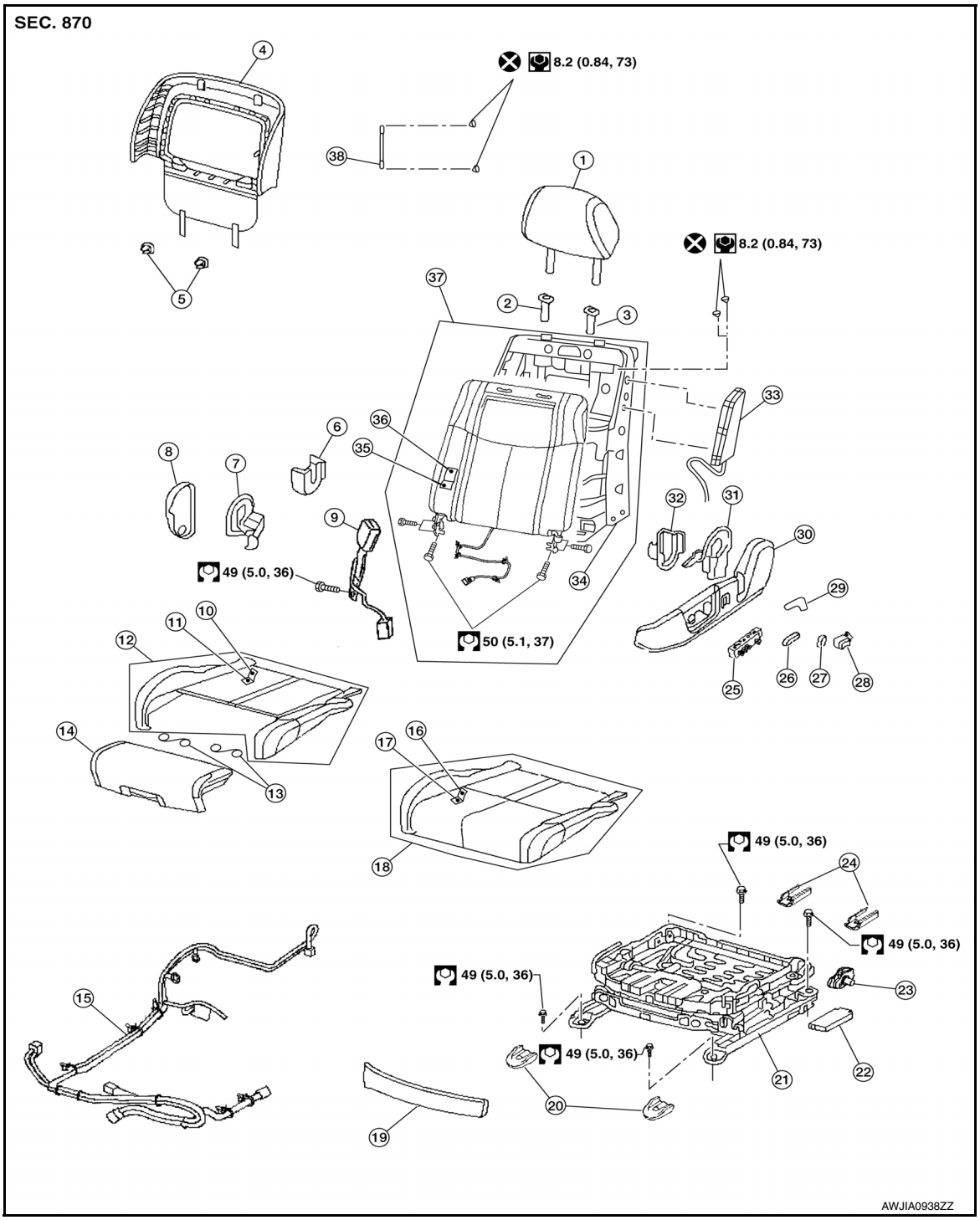
FRONT SEAT

DRIVER SIDE

DRIVER SIDE : Exploded View

INFOID:0000000009468176

Driver Seat - Without Climate Controlled Seats



1. Headrest
2. Headrest holder (free)
3. Headrest holder (locked)
4. Seatback board
5. Seatback board clip
6. Seat cushion inner finisher inside (RH)
7. Recline mechanism inner cover
8. Seat cushion outer finisher (RH)
9. Seat belt buckle

10. Seat cushion trim
11. Seat cushion pad
12. Seat cushion assembly
13. Thigh extension tether
14. Thigh extension assembly
15. Seat harness
16. Seat cushion trim (w/o thigh extension)
17. Seat cushion pad (w/o thigh extension)
18. Seat cushion assembly (w/o thigh extension)
19. Seat cushion front finisher
20. Front slide cover
21. Seat frame assembly
22. Power seat control unit
23. Actuator bracket
24. Rear slide cover
25. Power seat switch
26. Seat slide and lifter switch knob
27. Seat recline knob
28. Lumbar support switch (if equipped)
29. Lumbar lever (if equipped)
30. Seat cushion outer finisher (LH)
31. Recline device outer cover
32. Seat cushion inner finisher (LH)
33. Side air bag module
34. Seatback frame
35. Seatback pad
36. Seatback trim
37. Seatback assembly
38. Chute rod

DRIVER SIDE : Disassembly and Assembly

INFOID:0000000009468177

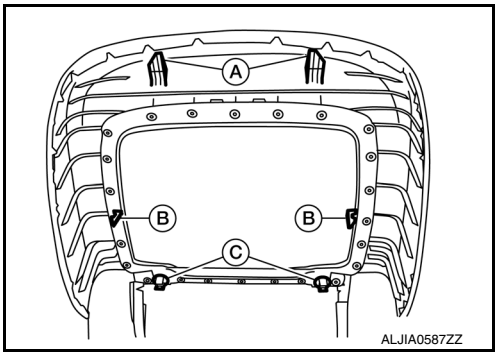
SEAT ASSEMBLY WITH SIDE AIR BAG MODULE

WARNING:
Do not leave any objects (screwdriver, tools, etc.) on the seat during seatback repair. It can lead to personal injury if the side air bag should accidentally deploy.
CAUTION:
- **Before servicing, turn the ignition switch OFF, disconnect both battery terminals and wait at least three minutes.**
- **Handle the side air bag module carefully. During disassembly, always hold the side air bag module, do not let it hang by the wire harness.**
- **Always place side air bag module with the stud bolt side facing downward.**
- **Always work from the side or back of the seatback assembly, do not work in front of the seat.**
- **Do not use air tools or electric tools when servicing the seat assembly.**
- **Replace the side air bag module if it has been dropped or sustained an impact.**
- **Do not insert any objects into the side air bag module.**
- **Do not disassemble the side air bag module.**
- **Do not expose the side air bag module to temperatures exceeding 93°C (200°F).**
- **Do not expose the side air bag module to any oil, grease or water.**
- **During disassembly, do not damage the trim cover, chutes, connectors, retainers, clips, module harness or the side air bag module.**

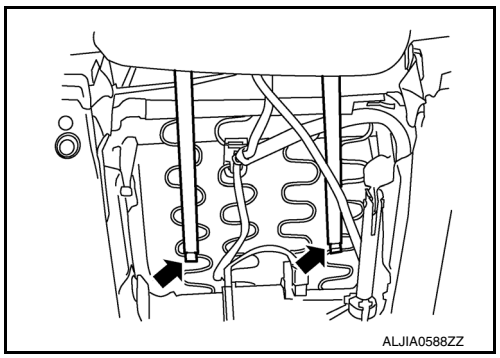
NOTE:
- If the vehicle has been involved in a collision and the side air bag has deployed, the front seatback assembly must be replaced.
- For side air bag module removal and installation, refer to SR-21, "Removal and Installation".

Disassembly

1. Remove the front seat assembly. Refer to SE-126, "Removal and Installation".
2. Remove the seatback board as follows:
   NOTE:
   The seatback board is attached to the seat frame with the following:
   - Two top hooks (A)
   - Two side hooks (B)
   - Two bottom retainers (C)

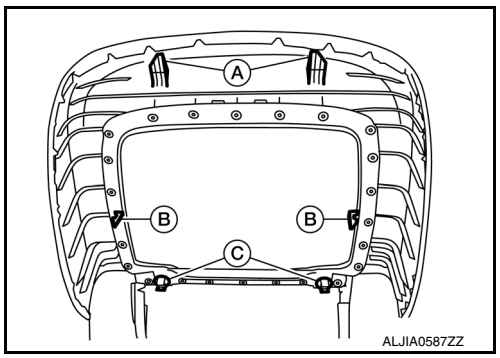


a. From the bottom of the seat, unhook the two seat skirt hooks as shown.

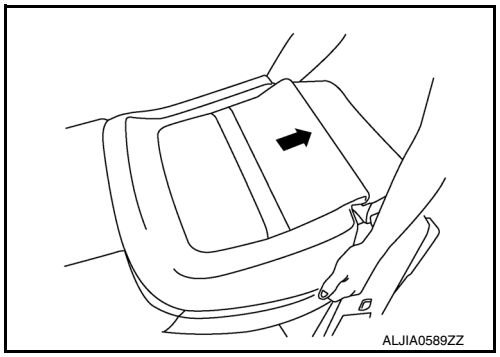


b. Carefully pull upward on the lower seatback board to release the two bottom retainers (C).
CAUTION:
Do not pull outward at two top hooks (A)

c. Hold the seatback board at the side hook locations (B) and push in the side hooks to release them from the seatback frame, then pull it rearward.

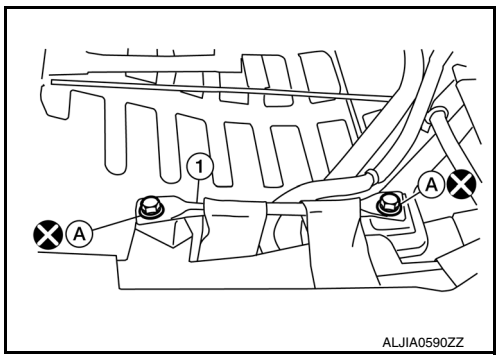


d. Carefully pull the seatback board downward to disengage the top hooks as shown.
CAUTION:
Use care not to break the seatback board hooks and retainers. Replace seatback board if any hooks or retainers are damaged.

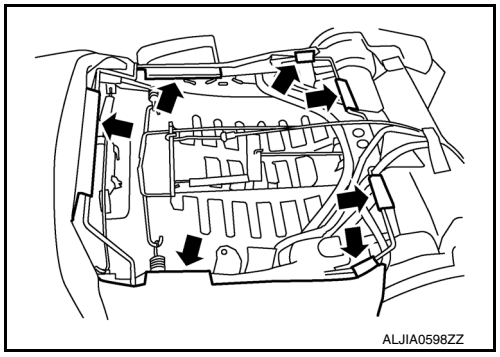


3. Remove and discard the two chute rod bolts (A), then remove the chute rod (1).
CAUTION:
Do not reuse the chute rod bolts.

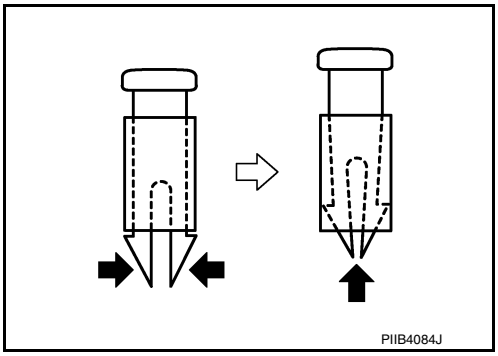
Chute rod bolts (A) : 8.2 N·m (0.84 kg-m, 73 in-lb)



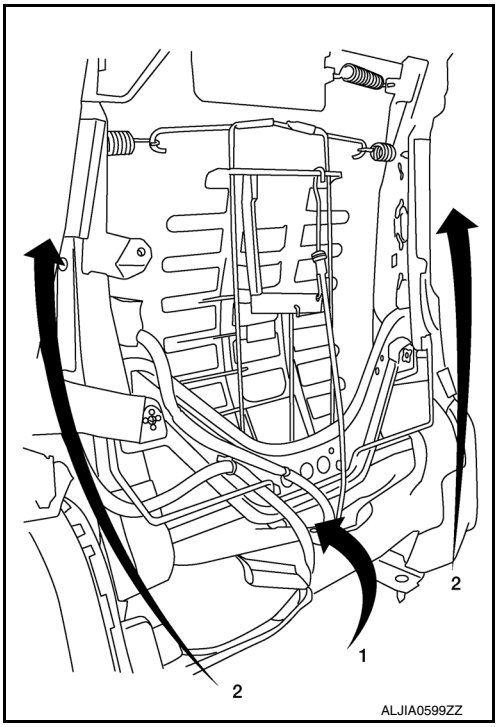
4. Release the seven seatback retainers from the seatback frame as shown.



5. Reach in from the bottom of the seatback to release the guide clips on the headrest holder. Squeeze the clips at the bottom and push upward to remove as shown.

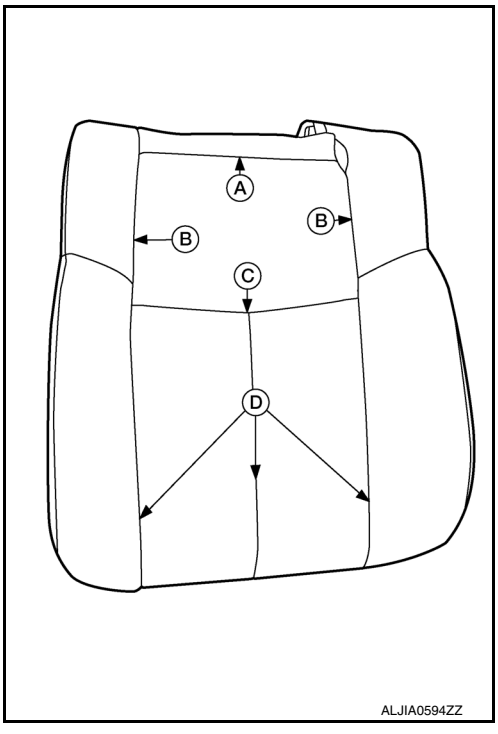


6. Disconnect the harness connector for the seatback heater (if equipped).
7. Push the seatback trim and seatback pad forward at the bottom (1), then holding the seatback assembly on both sides, lift upward (2). Remove the seatback trim and seatback pad as an assembly from the seatback frame.



8. If required, separate the seatback trim from the seatback pad as follows:
NOTE:
The seatback trim is attached to the seatback pad with the following:
- Five top hog rings (A)
- Four side hog rings (B)
- Three middle hog rings (C)
- Three bottom velcro fasteners (D)

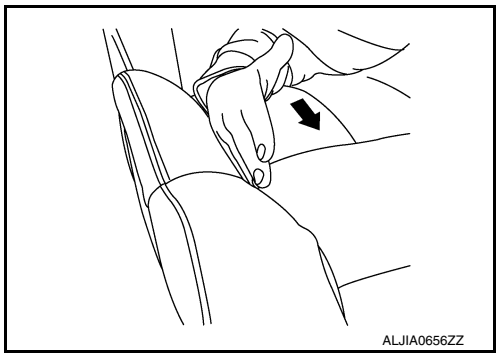
a. Pull the seatback trim cover from the seatback pad to detach the velcro fasteners.
b. Position the seatback trim to access the middle hog rings. Remove the middle and side hog rings.
c. Remove the top hog rings, then separate the seatback trim from the seatback pad.



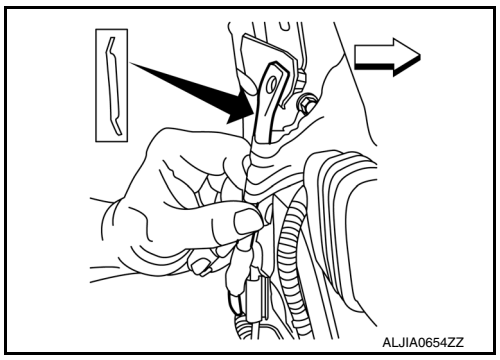
Assembly

Assembly is in the reverse order of disassembly.

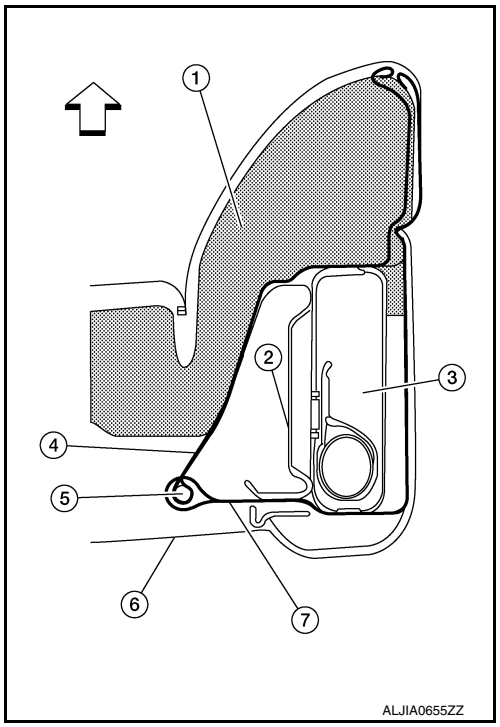
- When installing the seatback trim, firmly push down while sliding your hand along the seams as shown (arrow) to ensure the velcro fasteners are fastened properly.



- Make sure the chute rod is properly positioned and installed as shown.
  ⇦: Front



- Make sure the side air bag outer chute (7) is pulled over the side air bag module (3) and the side air bag inner chute (4) is pulled around the frame (2). Make sure there are no wrinkles and the chutes are not folded, twisted or pinched.
  (1) Seatback pad
  (2) Frame
  (3) Side air bag module
  (4) Inner side air bag chute
  (5) Chute rod
  (6) Seatback board
  (7) Outer chute
  ⇦: Front



CAUTION:

- **If a malfunction was detected by the air bag warning lamp, after repair or replacement of the malfunction parts, reset the memory using self-diagnosis or CONSULT.**
- **After work is completed, check that no system malfunction is detected by air bag warning lamp.**
- **Make sure side air bag module shell is closed at all tabs and cushion of module is not exposed. Do not reuse if the tab of shell is not secured.**
- **Always install new side air bag module attaching nuts and side air bag chute rod bolts.**

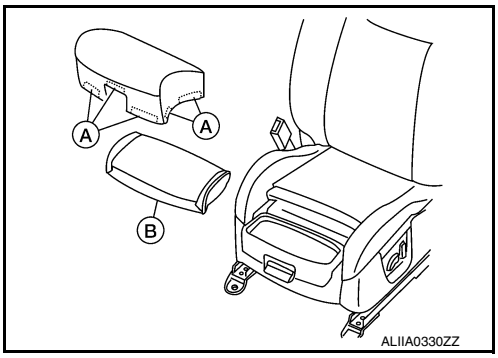
- **Always route side air bag module harness in original location. Replace any deformed or damaged clips with the same type and color. Always install clips in the original location on the harness.**
- **Smooth out all wrinkles during assembly.**
- **Inspect seatback pad, trim cover and trim cover chutes. Replace if damaged.**
- **Replace any deformed or damaged parts.**
- **Replace any deformed or damaged hog rings. Ensure any old hog ring pieces are removed from the seat.**
- **Use only one hog ring in each designated location.**
- **Ensure hog rings are correctly fastened around both the seatback trim and seatback pad trim wires.**

NOTE:
Use NISSAN standard hog rings and tools to assemble.

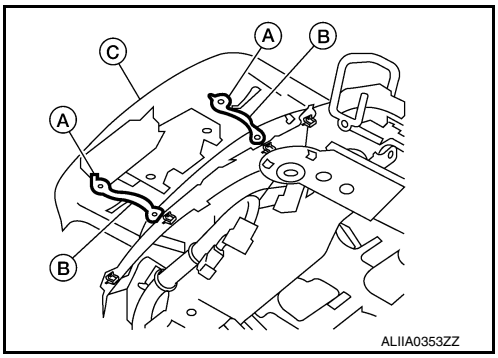
THIGH EXTENSION ASSEMBLY

Disassembly

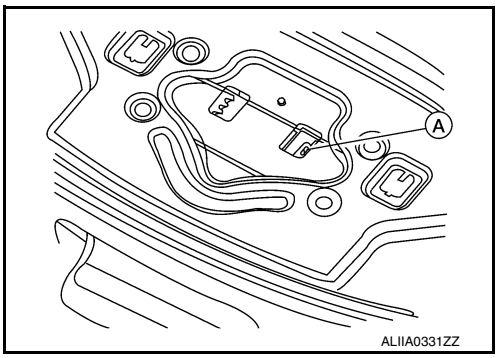
1. Move the thigh extension assembly to the front most position and release the trim cover clips (A).
2. Remove the trim and pad (B).



3. Cut the thigh extension tethers and drill out the upper rivets (A) that connect the thigh extension tethers (B) to the thigh extension assembly (C).



4. Insert suitable tool into the thigh extension assembly top panel and release the clip (A).
5. Pull the thigh extension handle and remove the thigh extension assembly.

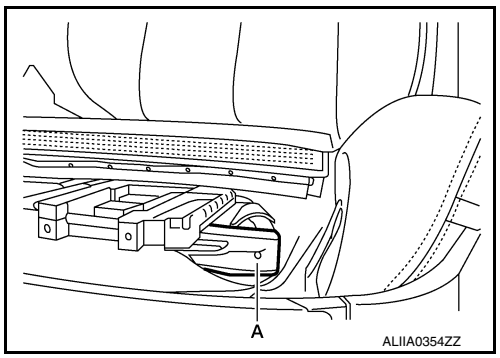


6. Drill out the lower rivets that connect the thigh extension tethers to the seat frame assembly.

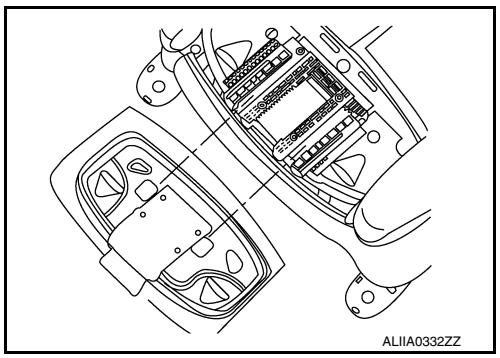
Assembly

1. Replace the pad, trim and clips and to the thigh extension assembly.

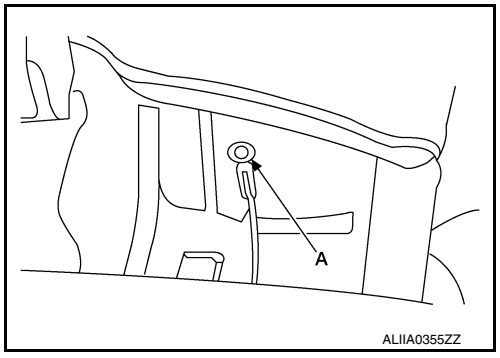
2. Rivet the thigh extension tethers to the seat frame assembly mounting hole (A).



3. Align the thigh extension assembly on the top rail.
4. Lift the thigh extension handle and slide the thigh extension assembly onto the seat.



5. Rivet the thigh extension tethers to the thigh extension assembly mounting hole (A).

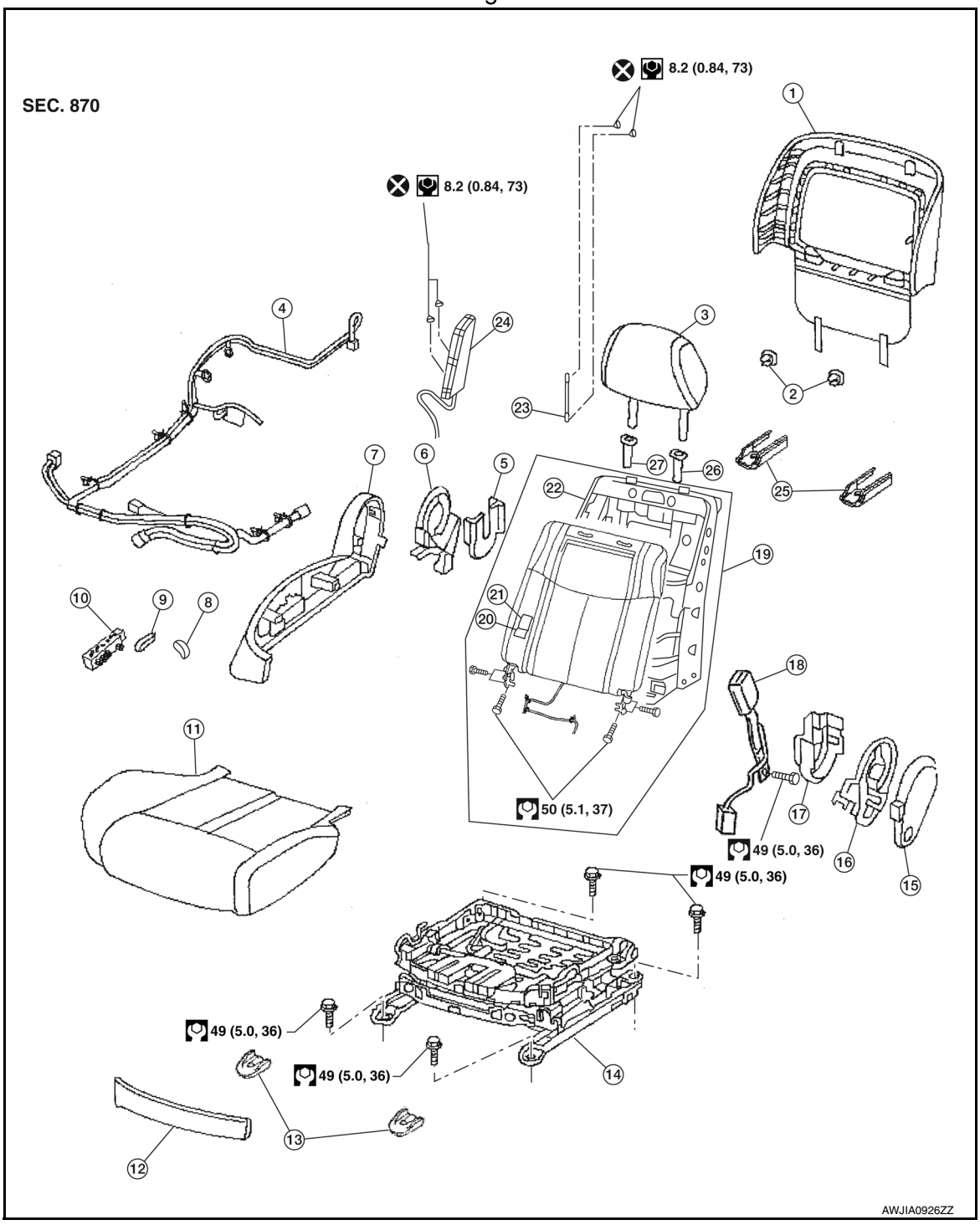


PASSENGER SIDE

PASSENGER SIDE : Exploded View

INFOID:0000000009468178

Passenger Seat



1.	Seatback board	2.	Seatback board clips	3.	Headrest
4.	Seat harness	5.	Seat cushion inner finisher inside (RH)	6.	Recline device inner cover
7.	Seat cushion outer finisher (RH)	8.	Seat recline knob	9.	Seat slide and lifter switch knob
10.	Power seat switch	11.	Seat cushion assembly	12.	Seat cushion front finisher
13.	Front slide cover	14.	Seat frame assembly	15.	Seat cushion outer finisher (LH)
16	Recline mechanism inner cover	17.	Seat cushion inner finisher inside (LH)	18.	Seat belt buckle
19.	Seatback assembly	20.	Seatback pad	21.	Seatback trim

22. Seatback frame
23. Chute rod
24. Side air bag module
25. Rear slide cover
26. Headrest holder (locked)
27. Headrest holder (free)

PASSENGER SIDE : Disassembly and Assembly

INFOID:0000000009468179

SEAT ASSEMBLY WITH SIDE AIR BAG MODULE

WARNING:

Do not leave any objects (screwdriver, tools, etc.) on the seat during seatback repair. It can lead to personal injury if the side air bag should accidentally deploy.

CAUTION:

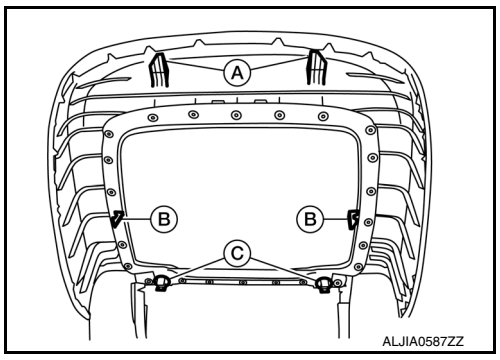
- **Before servicing, turn the ignition switch OFF, disconnect both battery terminals and wait at least three minutes.**
- **Handle the side air bag module carefully. During disassembly, always hold the side air bag module, do not let it hang by the wire harness.**
- **Always place side air bag module with the stud bolt side facing downward.**
- **Always work from the side or back of the seatback assembly, do not work in front of seat.**
- **Do not use air tools or electric tools when servicing the seat assembly.**
- **Replace the side air bag module if it has been dropped or sustained an impact.**
- **Do not insert any objects into the side air bag module.**
- **Do not disassemble the side air bag module.**
- **Do not expose the side air bag module to temperatures exceeding 93°C (200°F).**
- **Do not expose the side air bag module to any oil, grease or water.**
- **During disassembly, do not damage the trim cover, chutes, connectors, retainers, clips, module harness or the side air bag module.**

NOTE:

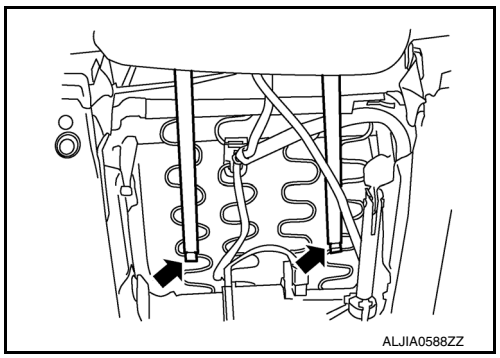
- If the vehicle has been involved in a collision and the side air bag has deployed, the front seatback assembly must be replaced.
- For side air bag module removal and installation, refer to SR-21, "Removal and Installation".

Disassembly

1. Remove the front seat assembly. Refer to SE-126, "Removal and Installation".
2. Remove the seatback board as follows:
   NOTE:
   The seatback board is attached to the seat frame with the following:
   - Two top hooks (A)
   - Two side hooks (B)
   - Two bottom retainers (C)

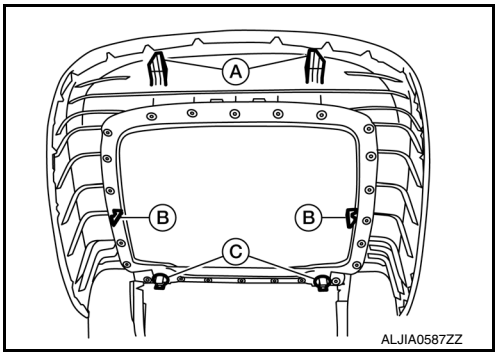


a. From the bottom of the seat, unhook the two seat skirt hooks as shown.

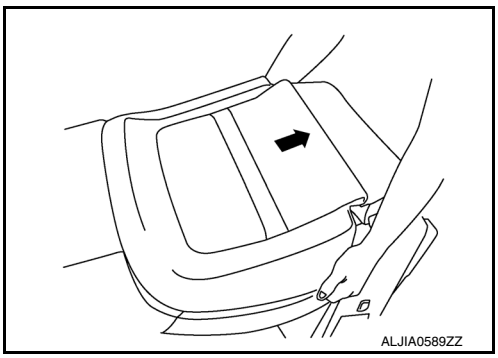


b. Carefully pull upward on the lower seatback board to release the two bottom retainers (C).
CAUTION:
Do not pull outward at two top hooks (A)

c. Hold the seatback board at the side hook locations (B) and push in the side hooks to release them from the seatback frame, then pull it rearward.

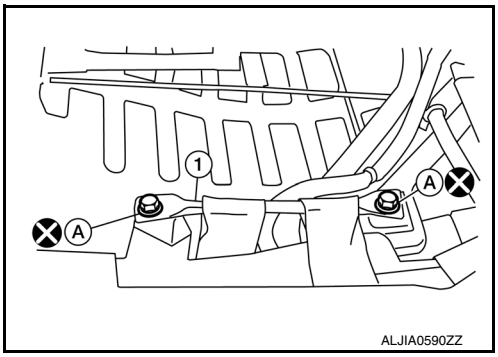


d. Carefully pull the seatback board downward to disengage the top hooks as shown.
CAUTION:
Use care not to break the seatback board hooks and retainers. Replace seatback board if any hooks or retainers are damaged.

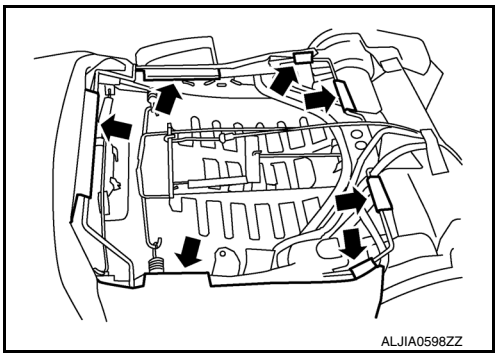


3. Remove and discard the two chute rod bolts (A), then remove the chute rod (1).
CAUTION:
Do not reuse the chute rod bolts.

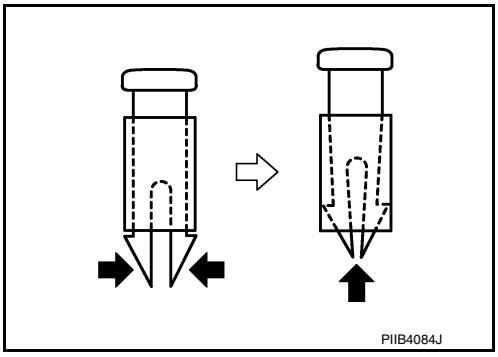
Chute rod bolts (A) : 8.2 N·m (0.84 kg-m, 73 in-lb)



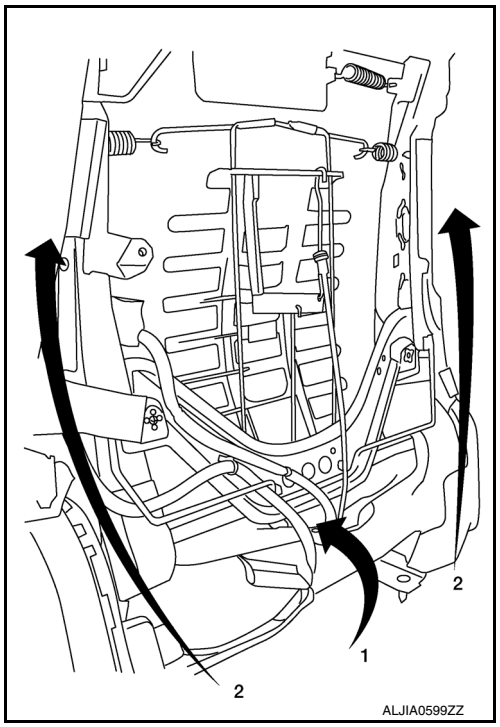
4. Release the seven seatback retainers from the seatback frame as shown.



5. Reach in from the bottom of the seatback to release the guide clips on the headrest holder. Squeeze the clips at the bottom and push upward to remove as shown.

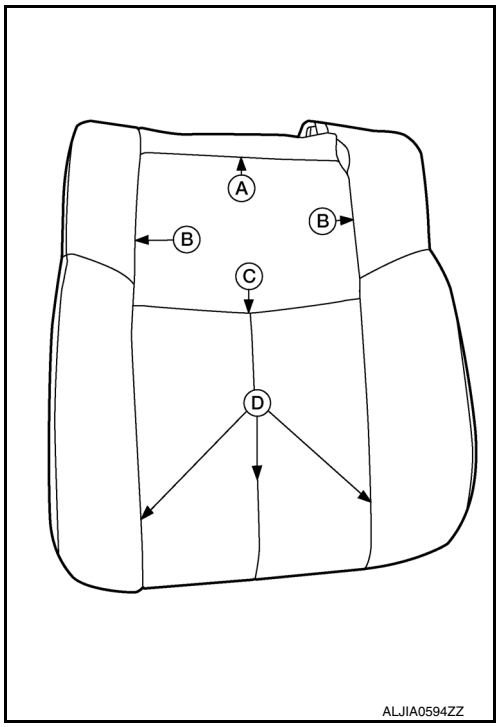


6. Disconnect the harness connector for the seatback heater (if equipped).
7. Push the seatback trim and seatback pad forward at the bottom (1), then holding the seatback assembly on both sides, lift upward (2). Remove the seatback trim and seatback pad as an assembly from the seatback frame.



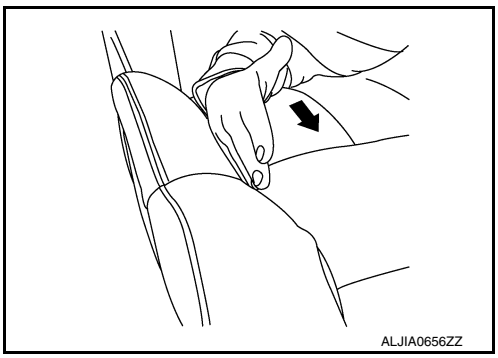
8. If required, separate the seatback trim from the seatback pad as follows:
NOTE:
The seatback trim is attached to the seatback pad with the following:
- Five top hog rings (A)
- Four side hog rings (B)
- Three middle hog rings (C)
- Three bottom velcro fasteners (D)

a. Pull the seatback trim cover from the seatback pad to detach the velcro fasteners.
b. Position the seatback trim to access the middle hog rings. Remove the middle and side hog rings.
c. Remove the top hog rings, then separate the seatback trim from the seatback pad.

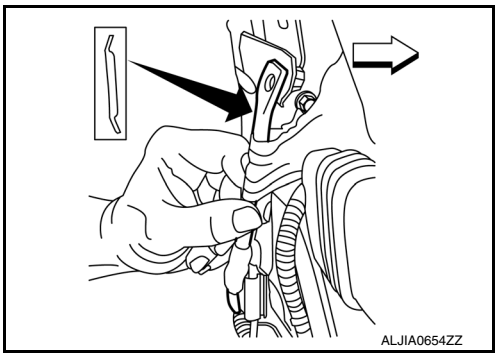


Assembly
Assembly is in the reverse order of disassembly. During assembly, note the following.

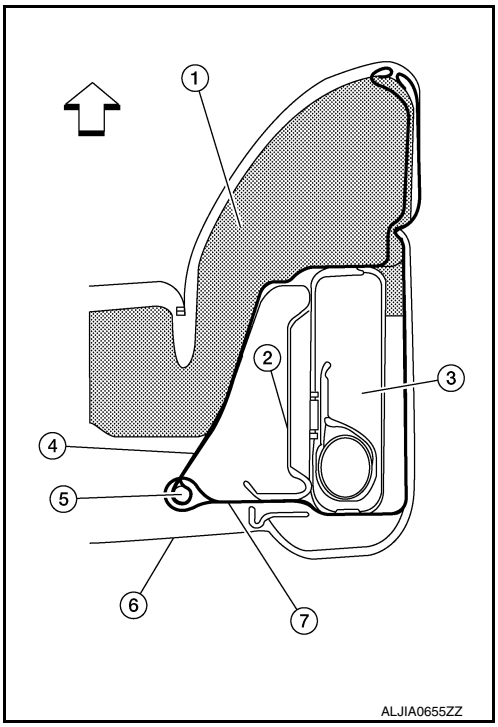
- When installing the seatback trim, firmly push down while sliding your hand along the seams as shown (arrow) to ensure the velcro fasteners are fastened properly.



- Make sure the chute rod is properly positioned and installed as shown.
  ⇦: Front



- Make sure the side air bag outer chute (7) is pulled over the side air bag module (3) and the side air bag inner chute (4) is pulled around the frame (2). Make sure there are no wrinkles and the chutes are not folded, twisted or pinched.
  (1) Seatback pad
  (5) Chute rod
  (6) Seatback board
  ⇦: Front



CAUTION:
- **If a malfunction was detected by the air bag warning lamp, after repair or replacement of the malfunction parts, reset the memory using self-diagnosis or CONSULT.**
- **After work is completed, check that no system malfunction is detected by air bag warning lamp.**
- **Make sure side air bag module shell is closed at all tabs and cushion of module is not exposed. Do not reuse if the tab of shell is not secured.**
- **Always install new side air bag module attaching nuts and side air bag chute rod bolts.**
- **Always route side air bag module harness in original location. Replace any deformed or damaged clips with the same type and color. Always install clips in the original location on the harness.**
- **Smooth out all wrinkles during assembly.**

- **Inspect seatback pad, trim cover and trim cover chutes. Replace if damaged.**
- **Replace any deformed or damaged parts.**
- **Replace any deformed or damaged hog rings. Ensure any old hog ring pieces are removed from seat.**
- **Use only one hog ring in each designated location.**
- **Ensure hog rings are correctly fastened around both the seatback trim and pad trim wires.**

NOTE:
Use NISSAN standard hog rings and tools to assemble.

REAR SEAT

Exploded View - Fixed Seatback

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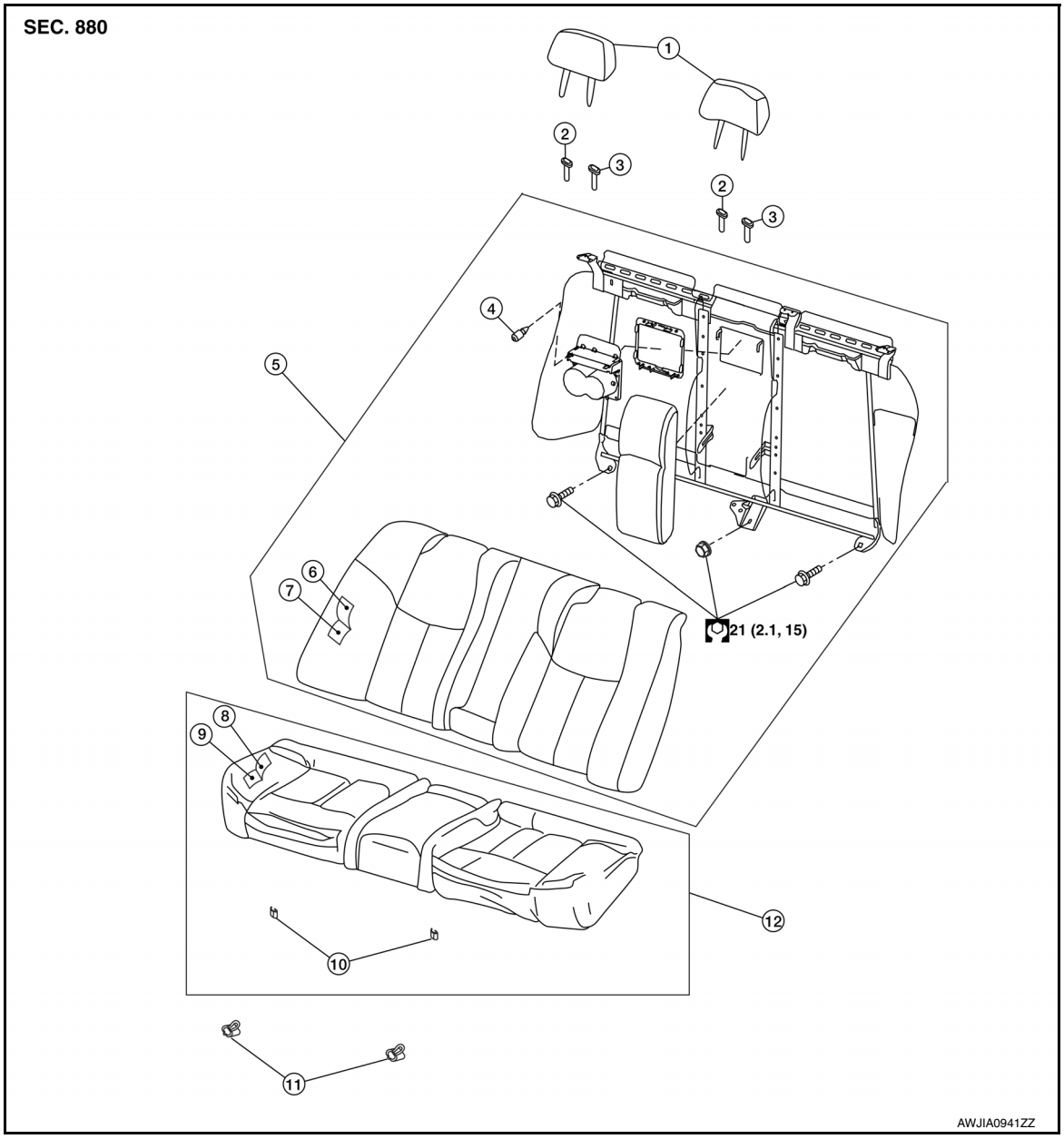

1. Headrest
2. Headrest holder (free)
3. Headrest holder (locked)
4. Bumper
5. Seatback assembly
6. Seatback trim
7. Seatback pad
8. Seat cushion trim
9. Seat cushion pad
10. Seat cushion wire cover
11. Seat cushion lock
12. Seat cushion assembly

Exploded View - 60:40 Split Seatback

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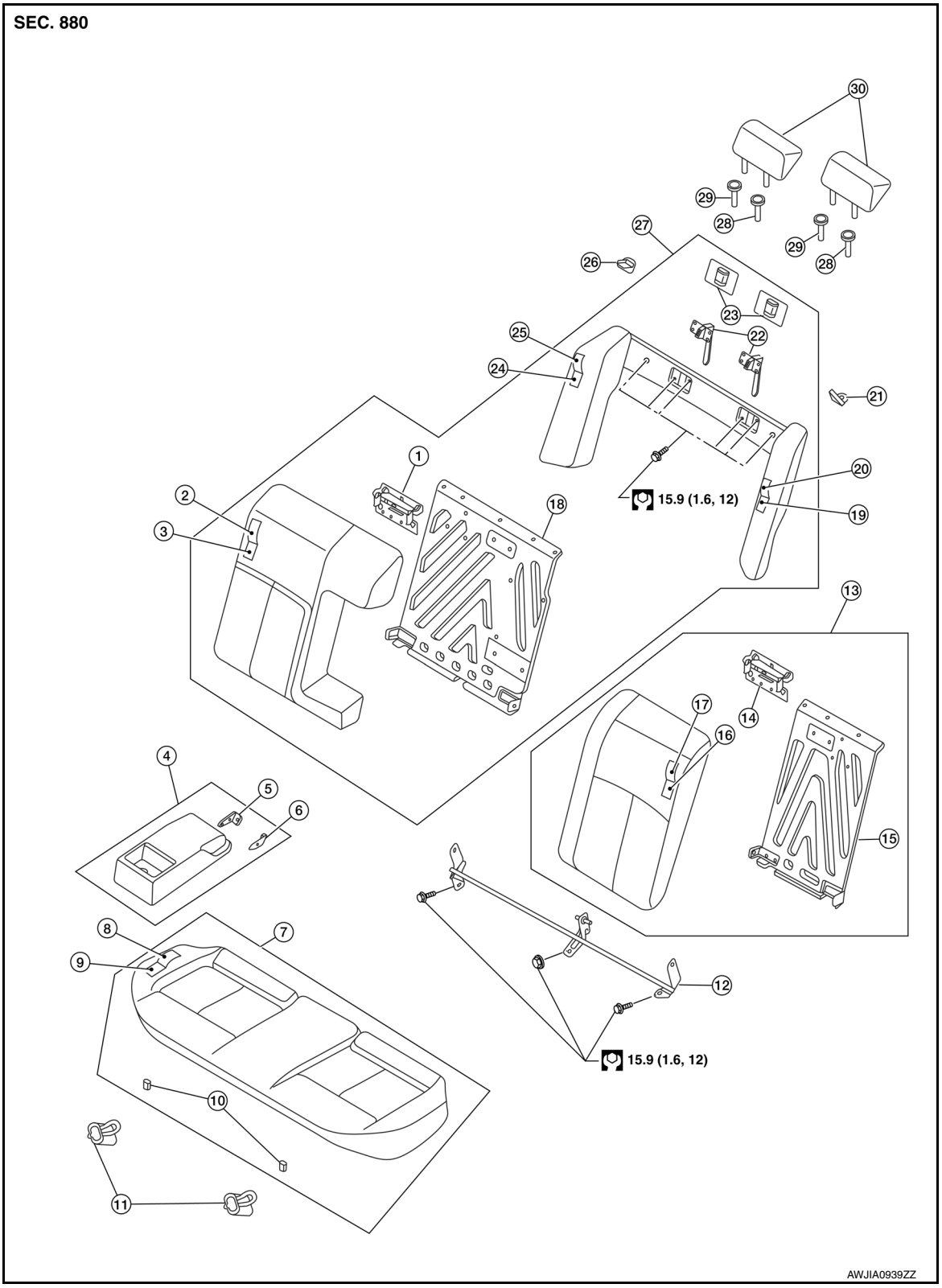
SEC. 880



1. Seatback latch striker (RH)
2. Seatback trim (RH)
3. Seatback pad (RH)
4. Armrest assembly
5. Inner armrest bracket (RH)
6. Inner armrest bracket (LH)
7. Seat cushion assembly
8. Seat cushion trim
9. Seat cushion pad
10. Seat cushion wire cover
11. Seat cushion lock
12. Seatback hinge assembly
13. Seatback assembly (LH)
14. Seatback latch striker (LH)
15. Seatback frame (LH)
16. Seatback pad (LH)
17. Seatback trim (LH)
18. Seatback frame (RH)

19. Side bolster pad (LH)
20. Side bolster trim (LH)
21. Seat belt guide (LH)
22. Seatback latch assembly
23. Seatback latch cover
24. Side bolster pad (RH)
25. Side bolster trim (RH)
26. Seat belt guide (RH)
27. Seatback assembly (RH)
28. Headrest holder (locked)
29. Headrest holder (free)
30. Headrest