SECTION SE

SEAT

CONTENTS

SERVICE INFORMATION

PRECAUTIONS

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

INFOID:0000000001721247

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 SRS 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 SRS 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.**

Precaution for Work

INFOID:0000000001721248

- 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 keep them.
- Replace a deformed or damaged clip.
- If a part is specified as a non-reusable part, always replace it with new one.
- Be sure to tighten bolts and nuts securely to the specified torque.
- After re-installation is completed, be sure to check that each part works normally.
- Follow the steps below to clean components.

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

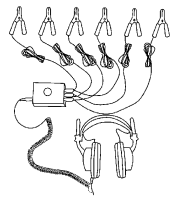
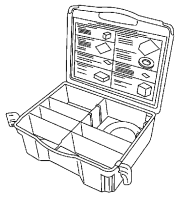
- Do not use organic solvent such as thinner, benzene, alcohol, or gasoline.
- For genuine leather seats, use a genuine leather seat cleaner.

PREPARATION

Special Service Tool

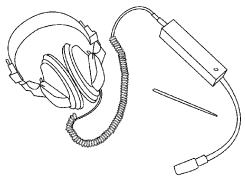
INFOID:0000000001721249

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-43980) NISSAN Squeak and Rattle Kit  SIIA0994E	Repairing the cause of noise

Commercial Service Tool

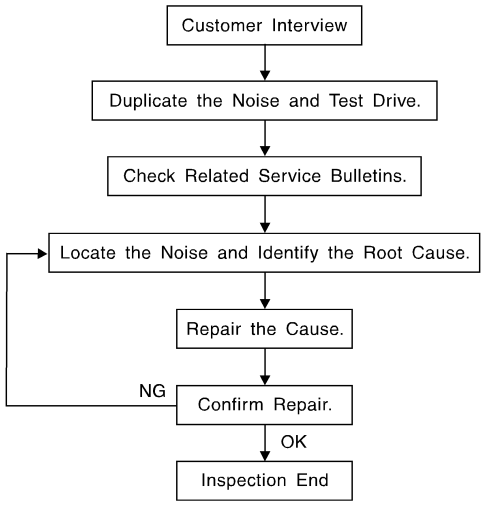
INFOID:0000000001721250

(Kent-Moore No.) Tool name	Description
(J-39565) Engine ear  SIIA0995E	Locating the noise

SQUEAK AND RATTLE TROUBLE DIAGNOSES

Work Flow

INFOID:0000000001721251



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-8, "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 A/T model).
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-6, "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:0000000001721252

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

INSTRUMENT PANEL

Most incidents are caused by contact and movement between:

1. The cluster lid A and instrument panel
2. Acrylic lens and combination meter housing
3. Instrument panel to front pillar garnish
4. Instrument panel to windshield
5. Instrument panel mounting 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. Shifter 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 headliner 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 lense 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 mounted to the engine wall
2. Components that pass through the engine wall
3. Engine wall mounts and connectors
4. Loose radiator mounting 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.

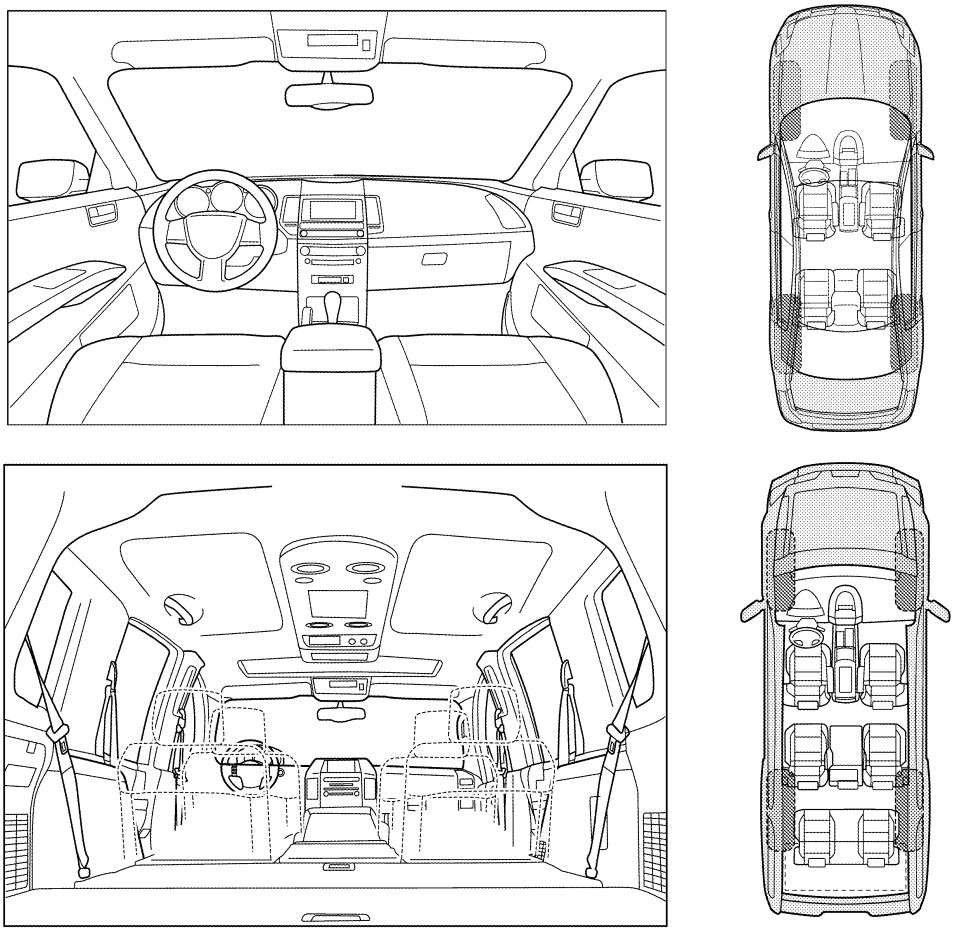
Diagnostic Worksheet

INFOID:0000000001721253

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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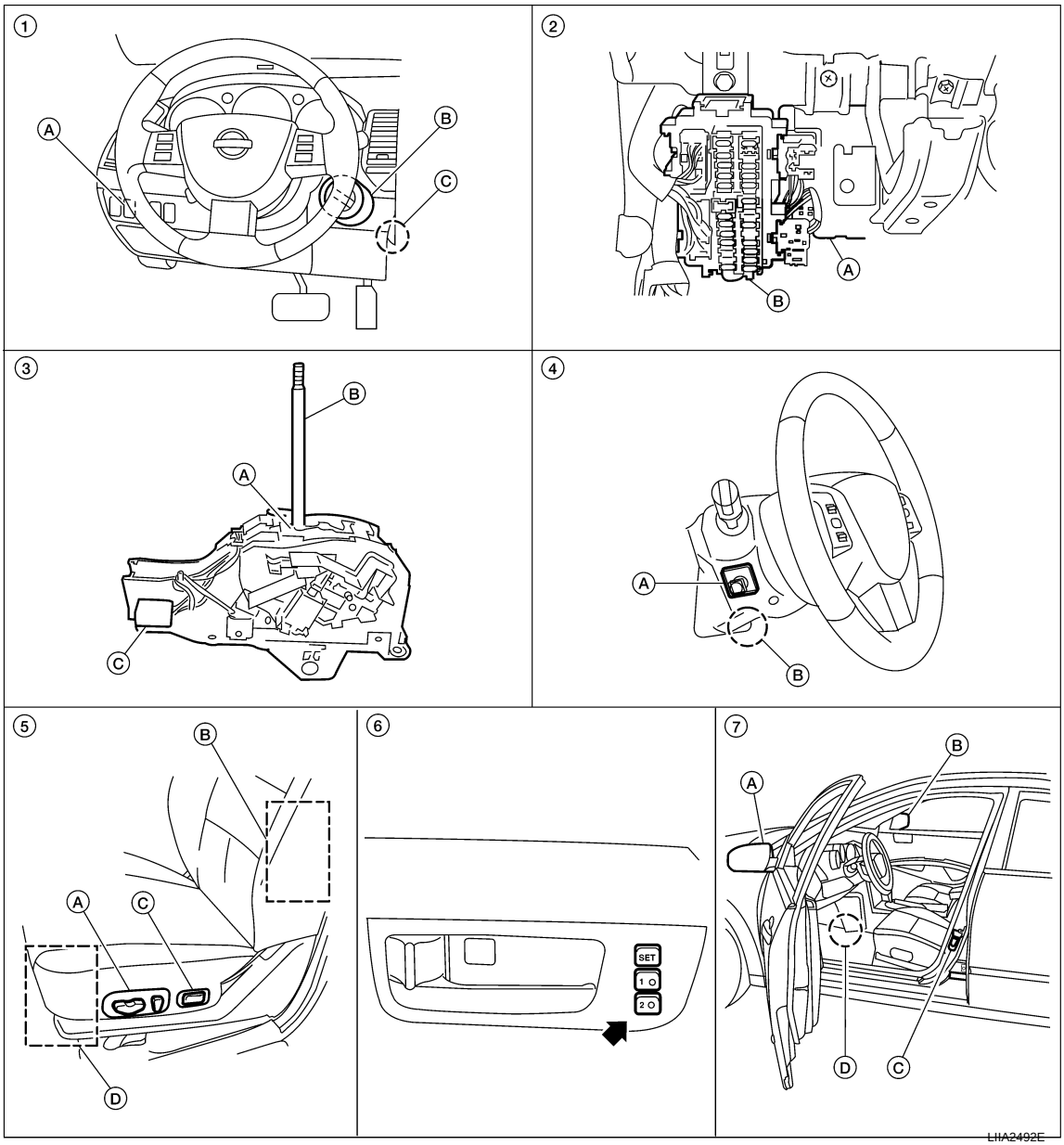
AUTOMATIC DRIVE POSITIONER

Component Parts and Harness Connector Location

INFOID:0000000001721254



1. A. Door mirror remote control switch M7
   B. Key switch and ignition knob switch M73
   C. Intelligent Key unit M52
2. A. BCM M18, M19, M20
   B. Fuse block (J/B) (view with instrument panel removed)
3. A. CVT device [detention switch (key)] M34
   B. CVT selector lever
   C. CVT device harness connector

4. A. ADP steering switch M16
B. Telescopic motor M66, M67
Tilt motor M68, M69

5. A. Power seat switch LH B408
B. Reclining motor B405, lumbar motor B410
C. Lumbar switch B09
D. Driver seat control unit B401, B402
Sliding motor B404
Front lifting motor B406
Rear lifting motor B407

6. Seat memory switch D5

7. A. Door mirror LH D4
B. Door mirror RH D107
C. Front door switch LH B8
D. Automatic drive positioner control unit M41, M42

System Description

INFOID:0000000001721255

- Refer to Owner's Manual for Automatic Drive Positioner system operating instructions.
- The settings (ON/OFF) of the automatic sliding seat (entry/exiting operation) at entry/exit can be changed as desired, using the display unit in the center of the instrument panel. The set content is transmitted by CAN communication, from display control unit to driver seat control unit.
- Using CONSULT-III, the seat slide amount at entry/exit setting can be changed.

Function		Description
Memory operation		The front seat LH, steering wheel and door mirrors move to the stored driving position by pushing seat memory switch (1 or 2).
Entry/Exiting function	Exiting operation	At exit, the front seat LH moves backward and the steering wheel raises. (Exiting position)
	Entry operation	At entry, the front seat LH and steering wheel will move from the exiting position to the previous driving position before the exiting operation.
Intelligent Key interlock operation		Perform a linked memory operation by pressing Intelligent Key unlock button.

NOTE:

- Disconnecting the battery erases the stored memory.
- After connecting the battery, close the front door LH, push and hold the key switch and ignition knob switch and then operate the front door switch LH ON (open)→OFF (close)→ON (open)→OFF (close), the entry/exiting operation becomes possible.
- After exiting operation is carried out, return operation can be operated.

Auto operation temporary stop conditions.	When ignition switch turns to START during seat memory switch operation and entry operation, seat memory switch operation and entry operation is stopped.
Auto operation stop conditions.	• When the vehicle speed becomes 7 km/h (4 MPH) or higher. (seat memory switch operation and entry operation). • When the setting switch, memory switch 1 or 2 are pressed. • When CVT selector lever is in any position other than P. • When the door mirror remote control switch is operated (when ignition switch turned ON). • When power seat switch LH turned operated. • When door mirror operates. • When front seat LH sliding Entry/Exiting setting is OFF (entry/exiting operation).

NOTE:

During automatic operation, if the ignition switch is turned ON→START, the automatic operation is suspended. When the ignition switch returns to ON, it resumes.

Fail-Safe Mode

When the ignition switch is in the ON position, if any of the parts (indicated in the following chart) move more than the specified amount within a period “T1” when no “ON” input is sent from any of the switches (indicated in the following chart), or an output from the automatic drive positioner is not produced, an output malfunction is sensed. Motor operation will be suspended automatically, and all automatic operations will be ineffective. (In this case, the motor will not operate manually).

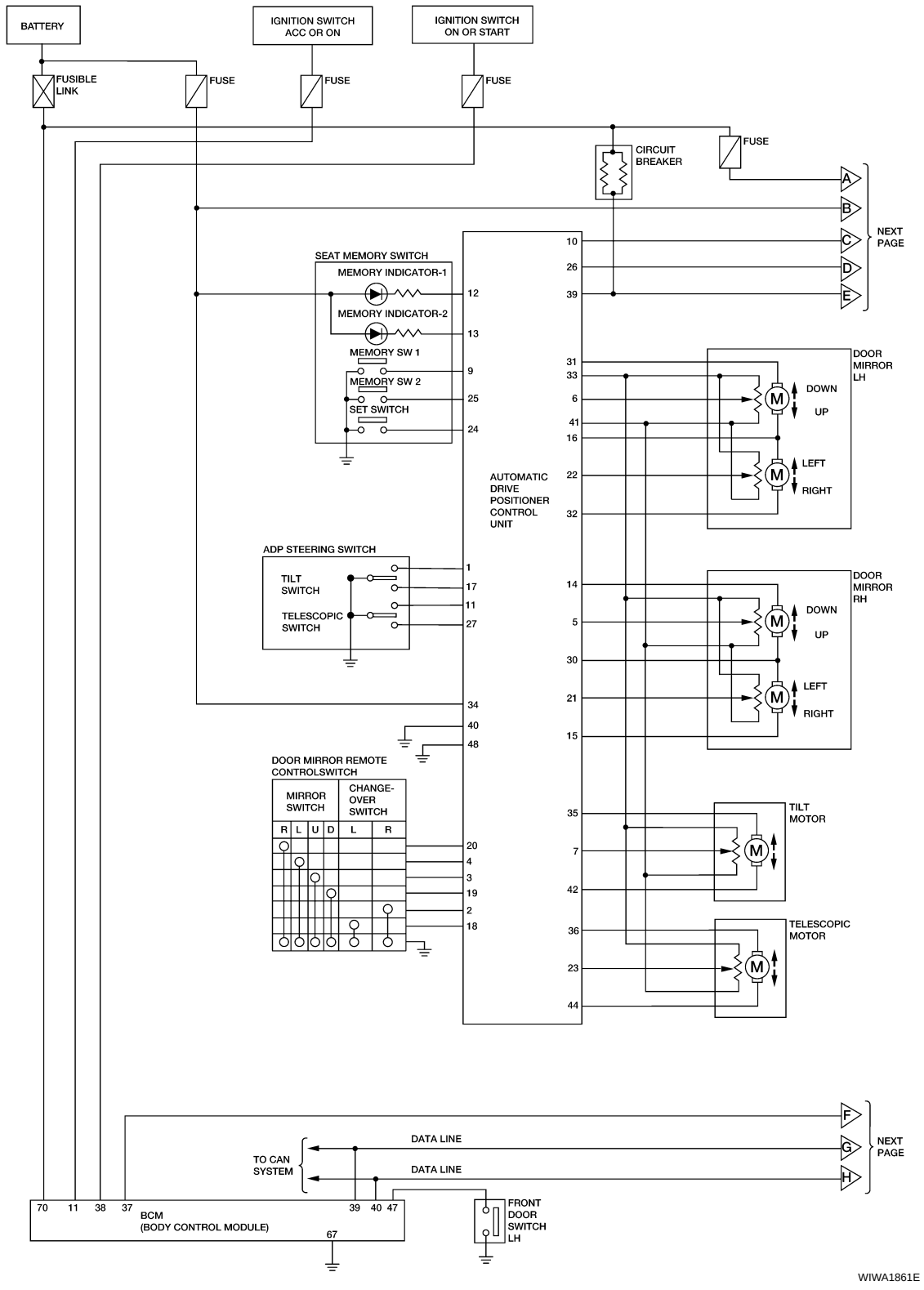
OPERATED PORTION	T1
Seat sliding	Approx. 2.5 sec.
Seat reclining	Same as above
Seat lifting (Front)	Same as above
Seat lifting (Rear)	Same as above
Steering wheel	Same as above

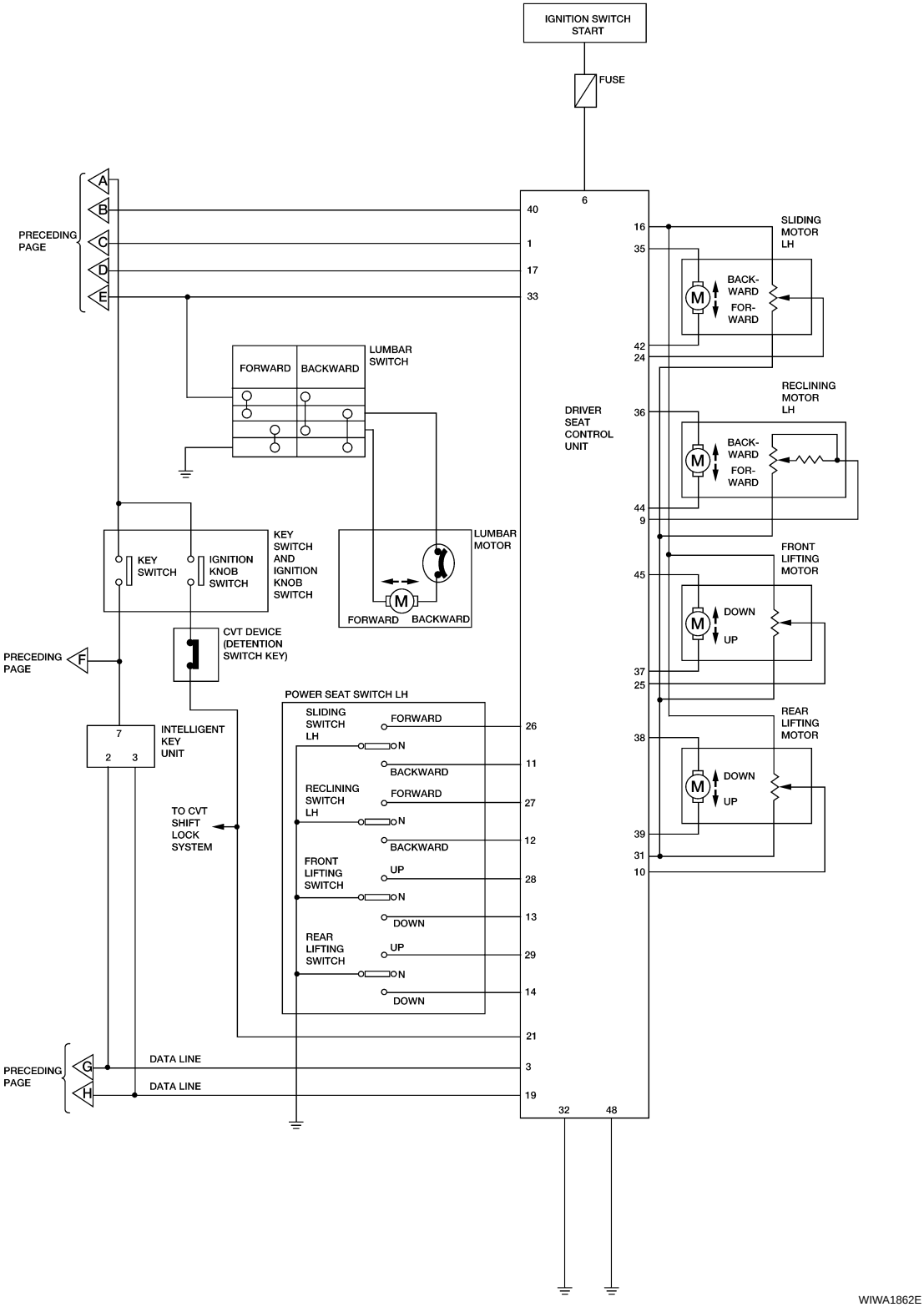
Cancel of Fail-safe Mode

- The mode is cancelled when the CVT selector lever is shifted to P position from any other position.

Schematic

INFOID:0000000001721257




IGNITION SWITCH START
FUSE
6
PRECEDING PAGE
A
B
C
D
E
40
1
17
33
DRIVER SEAT CONTROL UNIT
16
35
42
24
SLIDING MOTOR LH
BACK-WARD
FOR-WARD
36
44
9
RECLINING MOTOR LH
45
37
25
FRONT LIFTING MOTOR
DOWN
UP
38
39
31
10
REAR LIFTING MOTOR
LUMBAR SWITCH
FORWARD
BACKWARD
KEY SWITCH AND IGNITION KNOB SWITCH
KEY SWITCH
IGNITION KNOB SWITCH
LUMBAR MOTOR
CVT DEVICE (DETENTION SWITCH KEY)
PRECEDING PAGE
F
INTELLIGENT KEY UNIT
7
2
3
TO CVT SHIFT LOCK SYSTEM
POWER SEAT SWITCH LH
SLIDING SWITCH LH
RECLINING SWITCH LH
FRONT LIFTING SWITCH
REAR LIFTING SWITCH
N
26
11
27
12
28
13
29
14
21
PRECEDING PAGE
G
H
DATA LINE
3
19
32
48
WIWA1862E

Wiring Diagram - AUT/DP -

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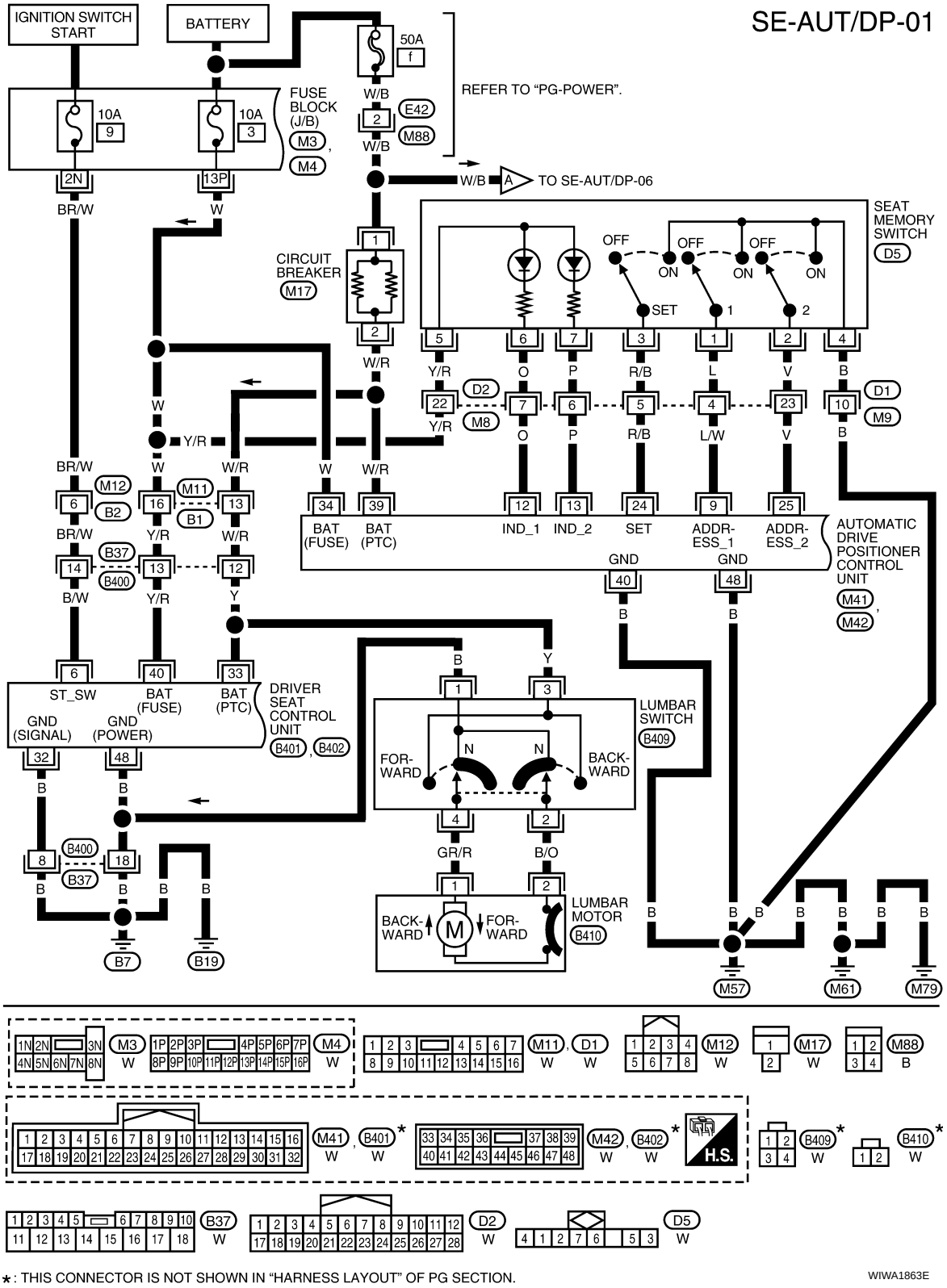

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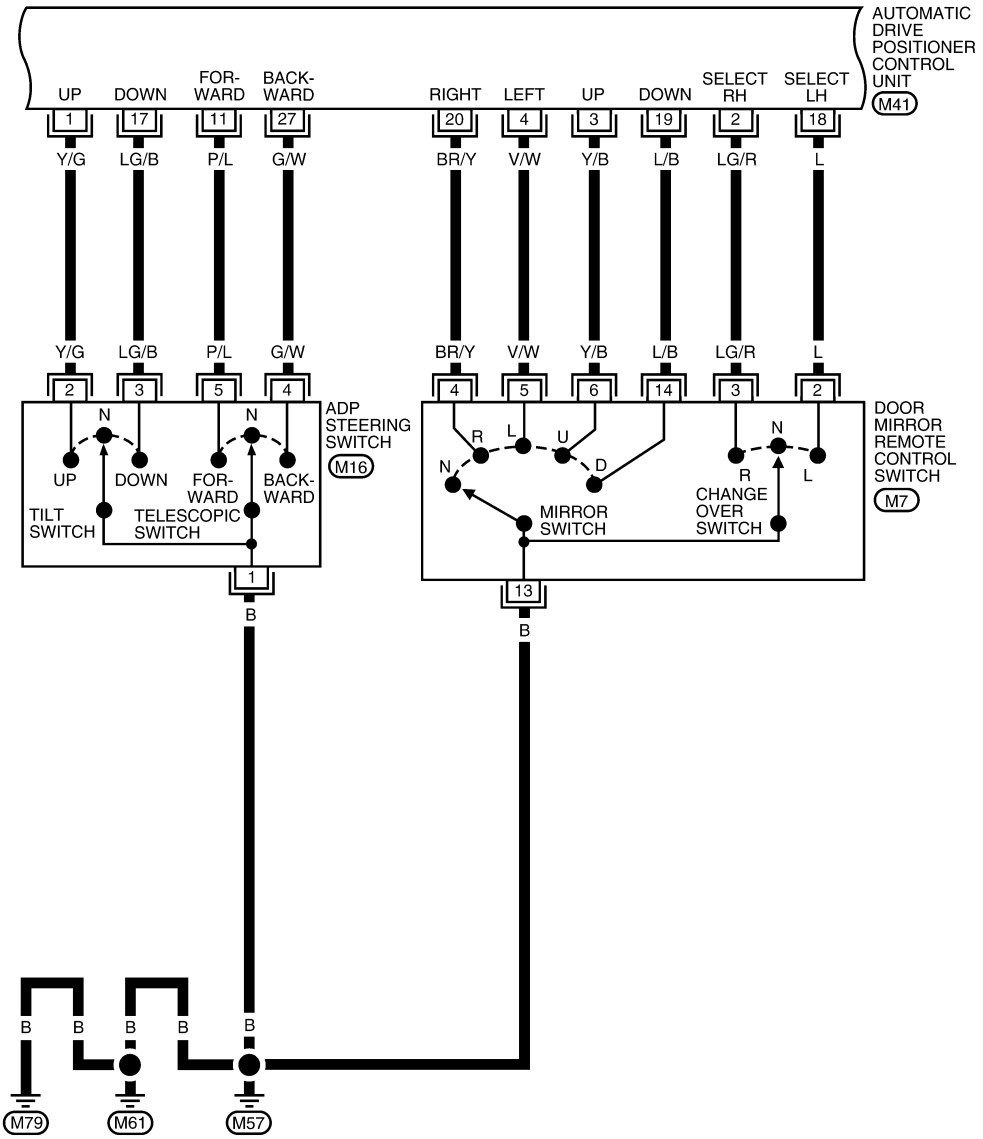

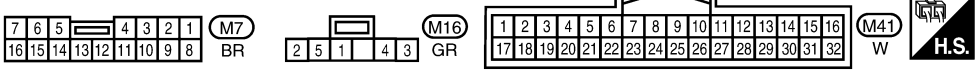

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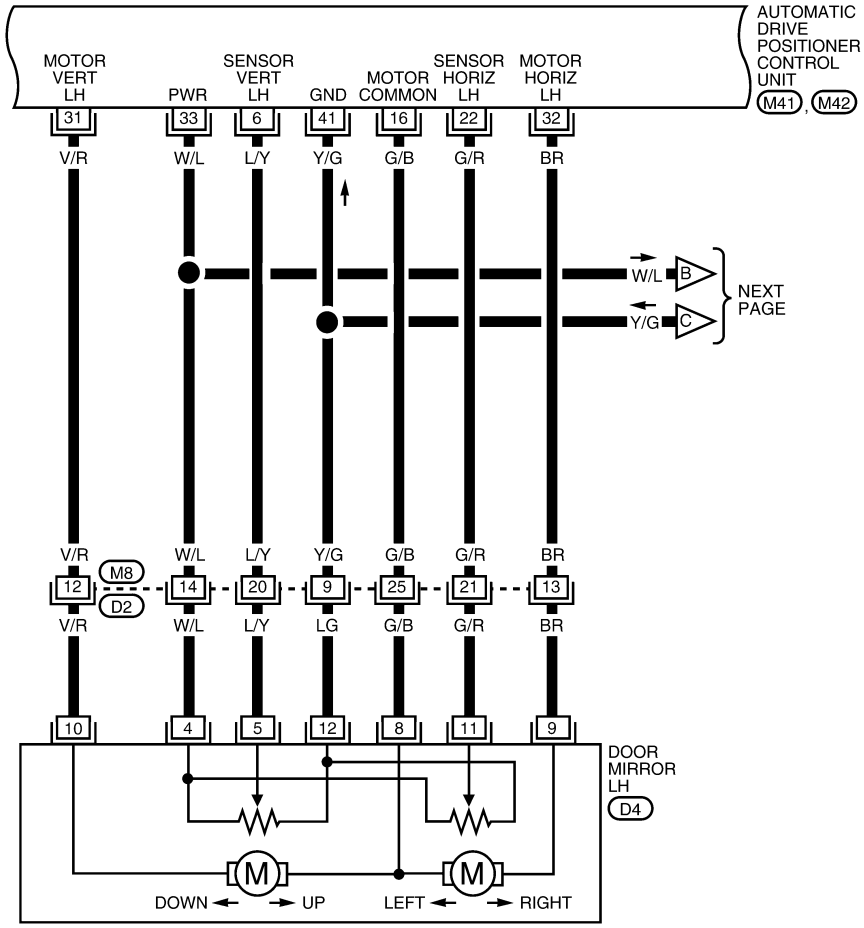
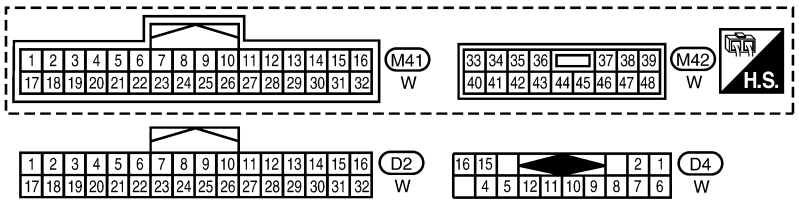
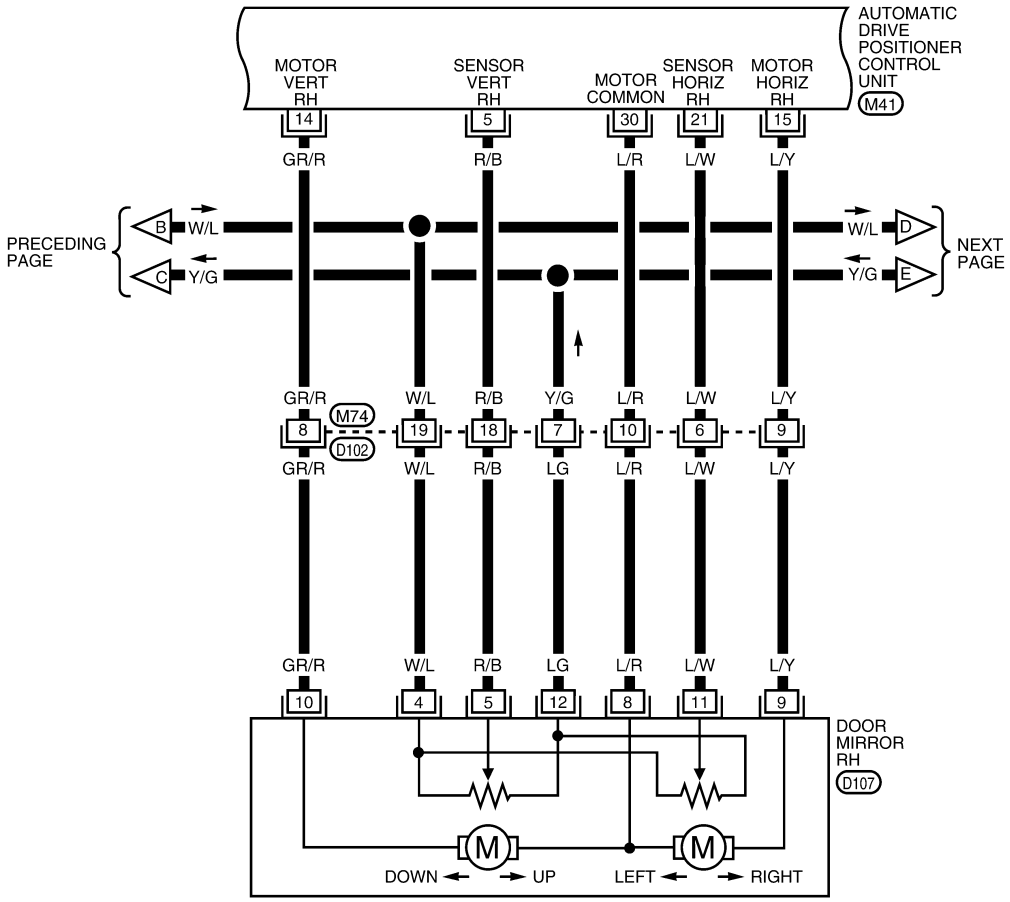
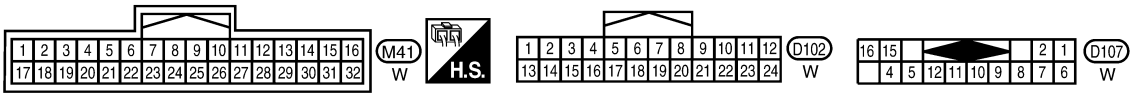

AUTOMATIC DRIVE POSITIONER CONTROL UNIT
M41, M42
MOTOR VERT LH
PWR
SENSOR VERT LH
GND
MOTOR COMMON
SENSOR HORIZ LH
MOTOR HORIZ LH
31
33
6
41
16
22
32
V/R
W/L
L/Y
Y/G
G/B
G/R
BR
W/L B
Y/G C
NEXT PAGE
M8
D2
12
14
20
9
25
21
13
LG
10
4
5
12
8
11
9
DOOR MIRROR LH
D4
M
DOWN
UP
LEFT
RIGHT

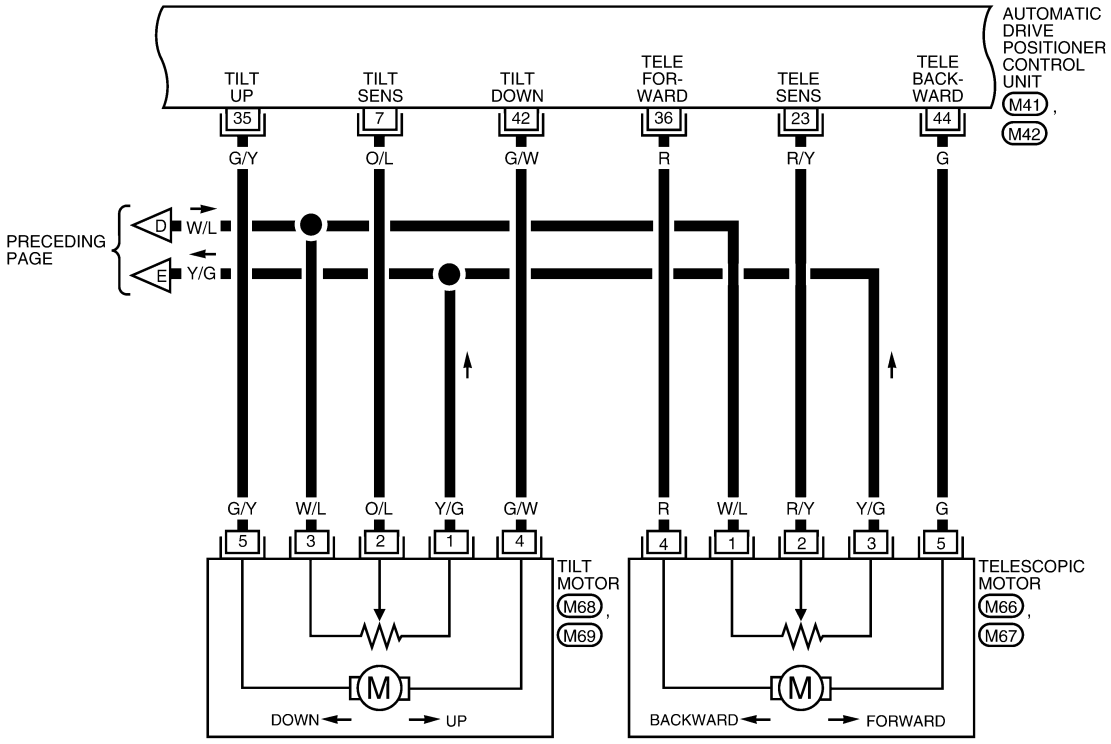

M41
W
M42
W
H.S.
D2
W
D4
W

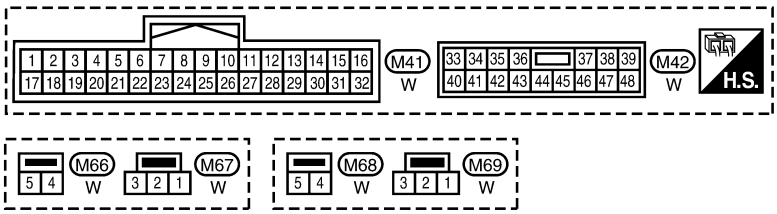
WIWA1865E


AUTOMATIC DRIVE POSITIONER CONTROL UNIT
M41
MOTOR VERT RH
SENSOR VERT RH
MOTOR COMMON
SENSOR HORIZ RH
MOTOR HORIZ RH
14
5
30
21
15
GR/R
R/B
L/R
L/W
L/Y
PRECEDING PAGE
B
W/L
C
Y/G
D
E
NEXT PAGE
M74
D102
8
19
18
7
10
6
9
W/L
LG
4
12
11
DOOR MIRROR RH
D107
M
DOWN
UP
LEFT
RIGHT


M41
W
H.S.
D102
W
D107
W

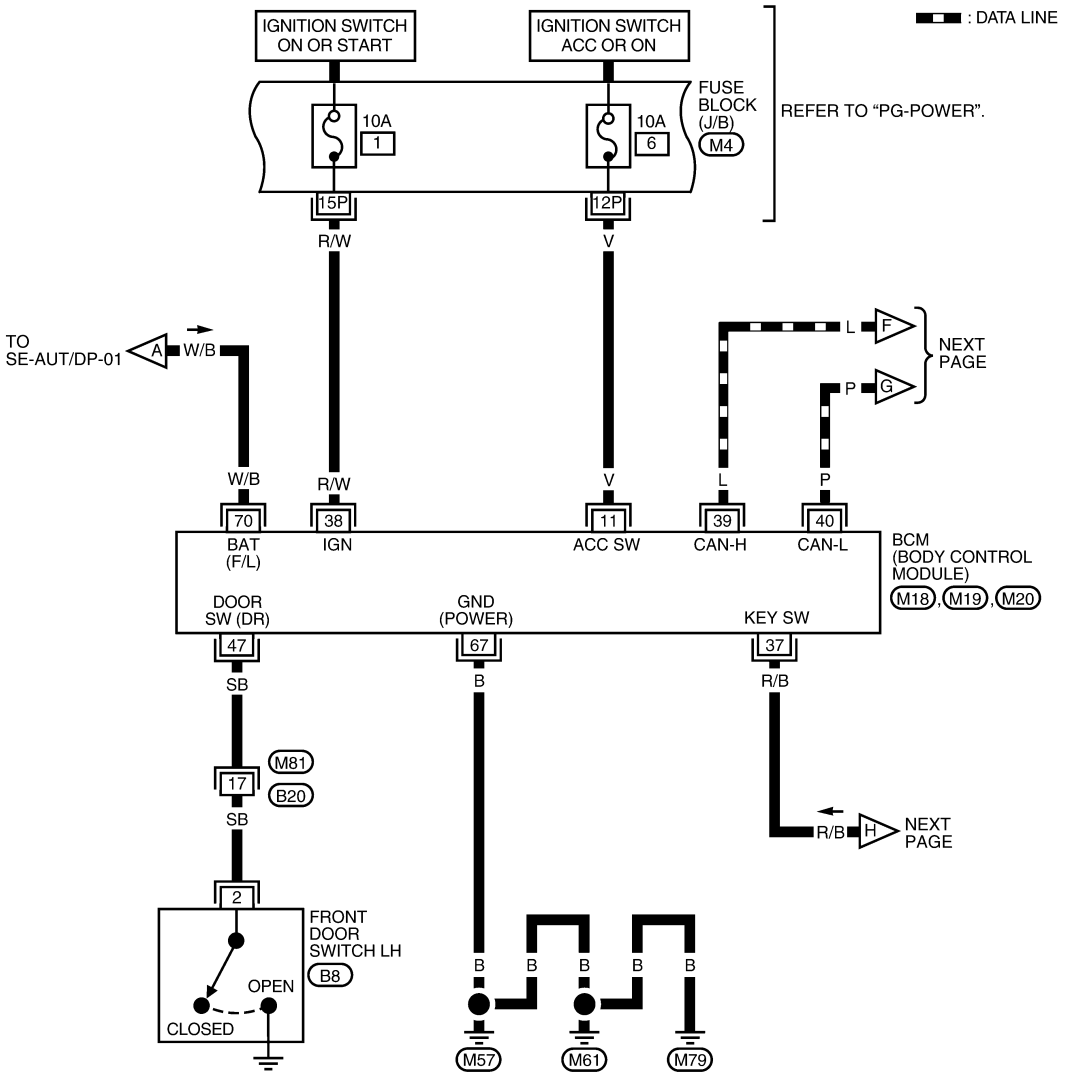
WIWA1866E

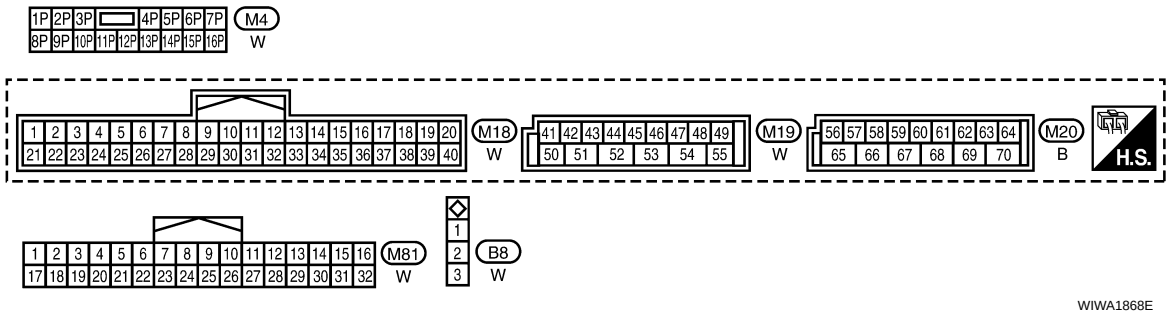

AUTOMATIC DRIVE POSITIONER CONTROL UNIT
M41, M42
TILT UP
TILT SENS
TILT DOWN
TELE FOR-WARD
TELE SENS
TELE BACK-WARD
35
7
42
36
23
44
G/Y
O/L
G/W
R
R/Y
G
PRECEDING PAGE
D
W/L
E
Y/G
G/Y
W/L
O/L
Y/G
G/W
R
W/L
R/Y
Y/G
G
5
3
2
1
4
4
1
2
3
5
TILT MOTOR
M68, M69
TELESCOPIC MOTOR
M66, M67
M
DOWN
UP
BACKWARD
FORWARD


1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32
M41
W
33 34 35 36 37 38 39
40 41 42 43 44 45 46 47 48
M42
W
H.S.
M66
W
5 4
M67
W
3 2 1
M68
W
5 4
M69
W
3 2 1

WIWA1867E

SE-AUT/DP-06





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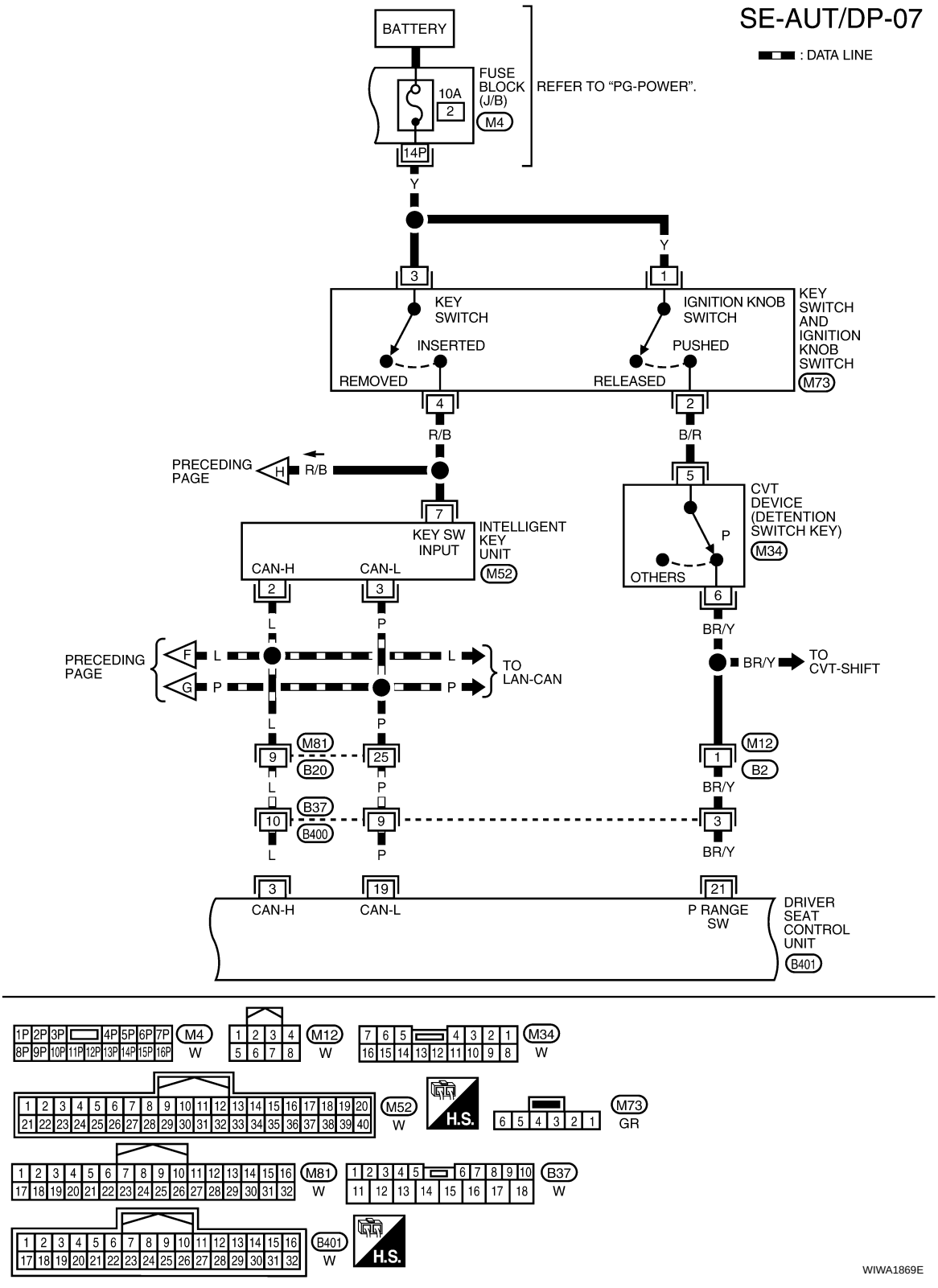
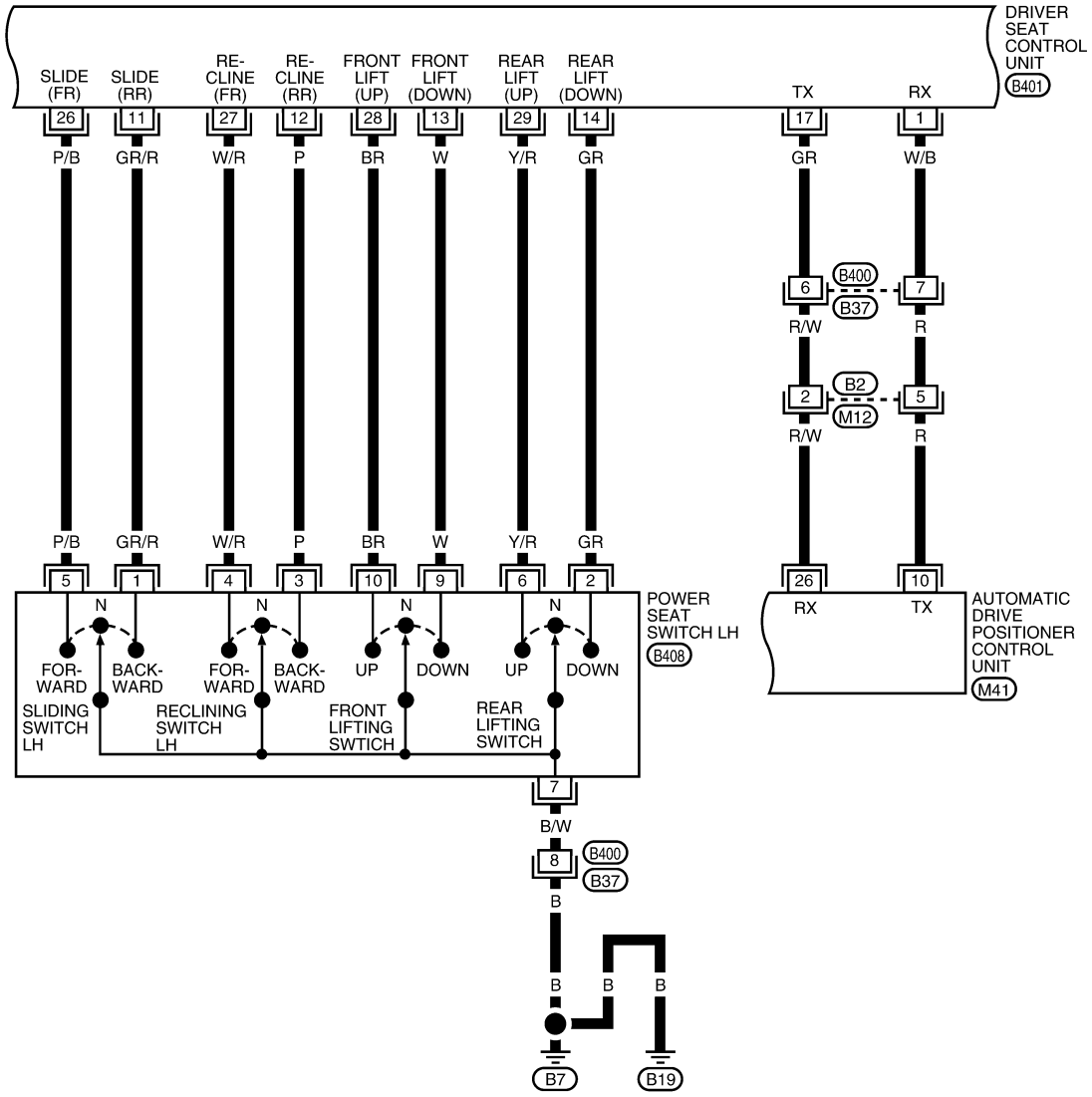
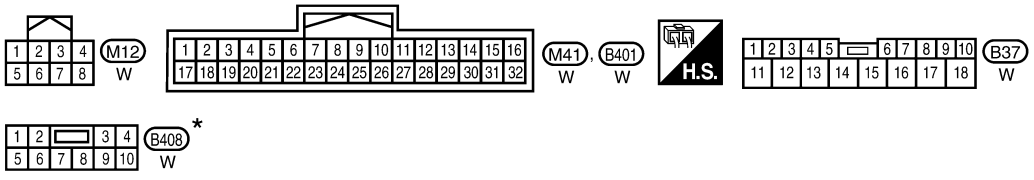
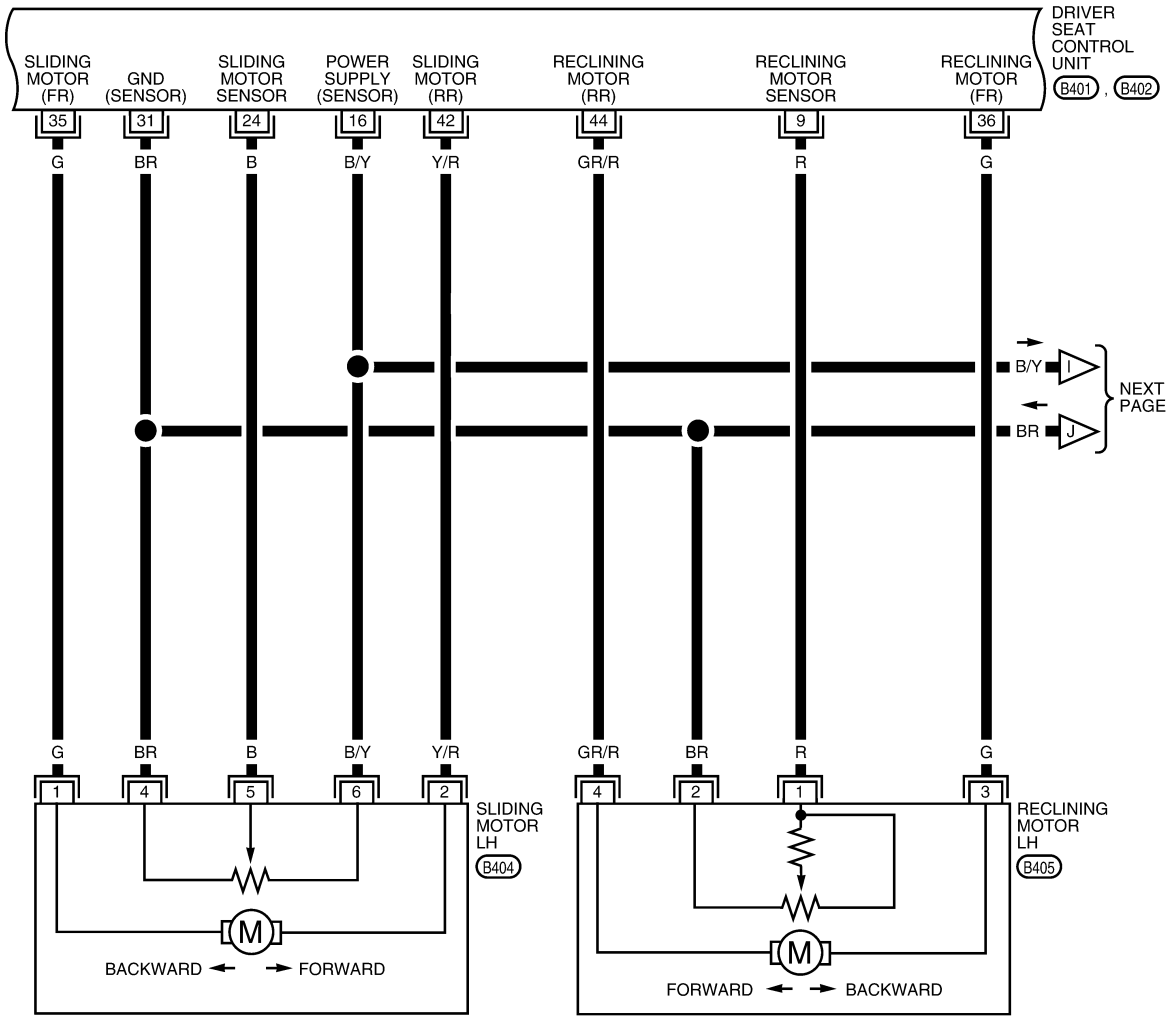

SE-AUT/DP-07
: DATA LINE
BATTERY
FUSE BLOCK (J/B)
10A
2
M4
14P
REFER TO "PG-POWER".
Y
3
1
KEY SWITCH
IGNITION KNOB SWITCH
INSERTED
PUSHED
REMOVED
RELEASED
KEY SWITCH AND IGNITION KNOB SWITCH
M73
4
2
R/B
B/R
PRECEDING PAGE
H
R/B
5
CVT DEVICE (DETENTION SWITCH KEY)
P
M34
OTHERS
7
KEY SW INPUT
INTELLIGENT KEY UNIT
M52
CAN-H
CAN-L
2
3
6
L
P
BR/Y
PRECEDING PAGE
F
G
L
P
TO LAN-CAN
BR/Y
TO CVT-SHIFT
M81
B20
B37
B400
9
25
10
9
1
3
M12
B2
3
19
21
CAN-H
CAN-L
P RANGE SW
DRIVER SEAT CONTROL UNIT
B401
M4
M12
M34
M52
M73
GR
M81
B37
B401
H.S.
WIWA1869E

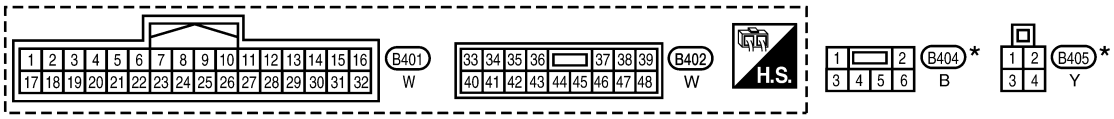




*: THIS CONNECTOR IS NOT SHOWN IN "HARNESS LAYOUT" OF PG SECTION.

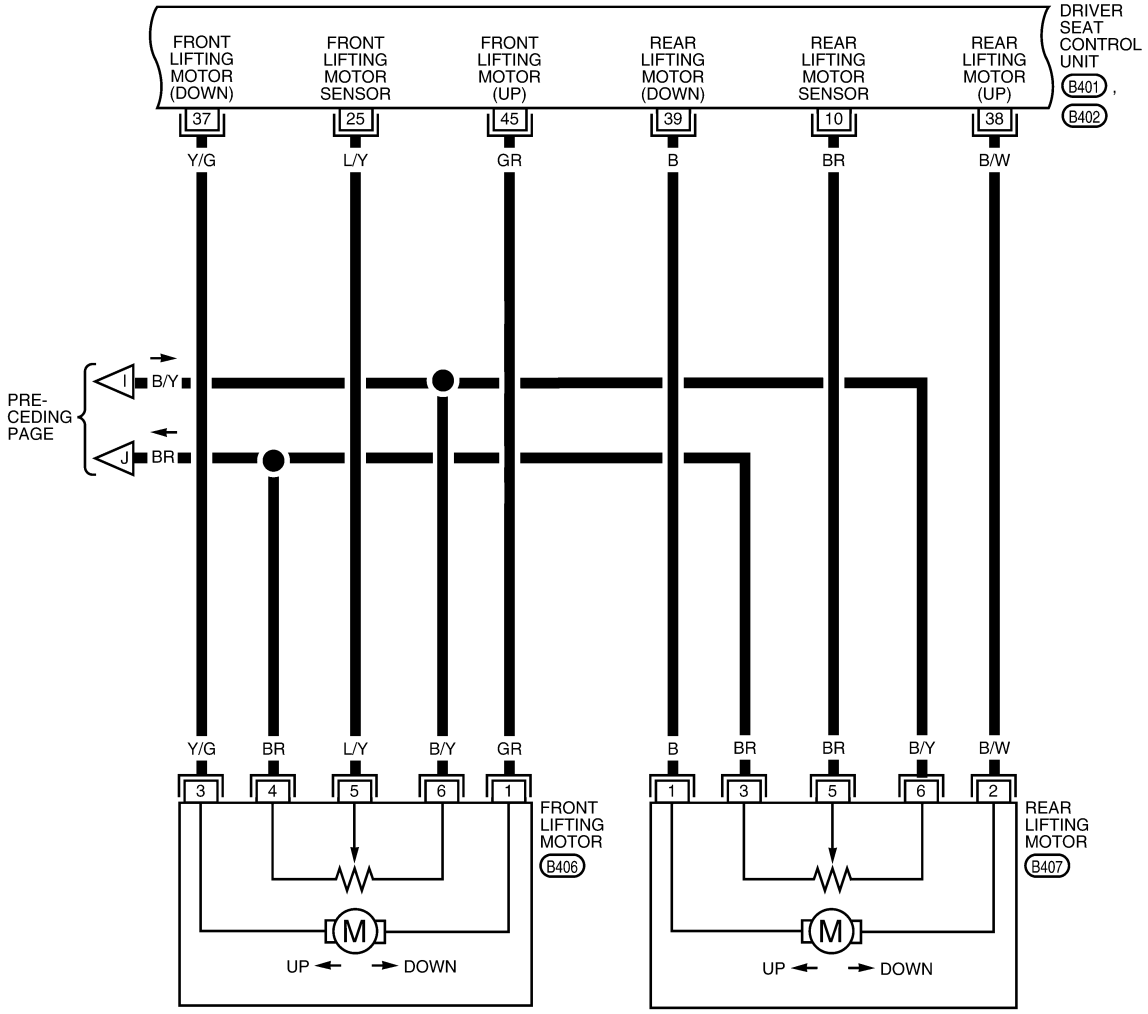
WIWA1870E

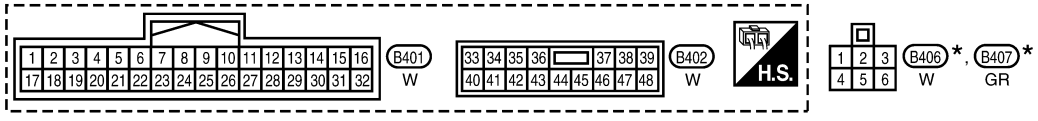




*: THIS CONNECTOR IS NOT SHOWN IN "HARNESS LAYOUT" OF PG SECTION.

WIWA1871E



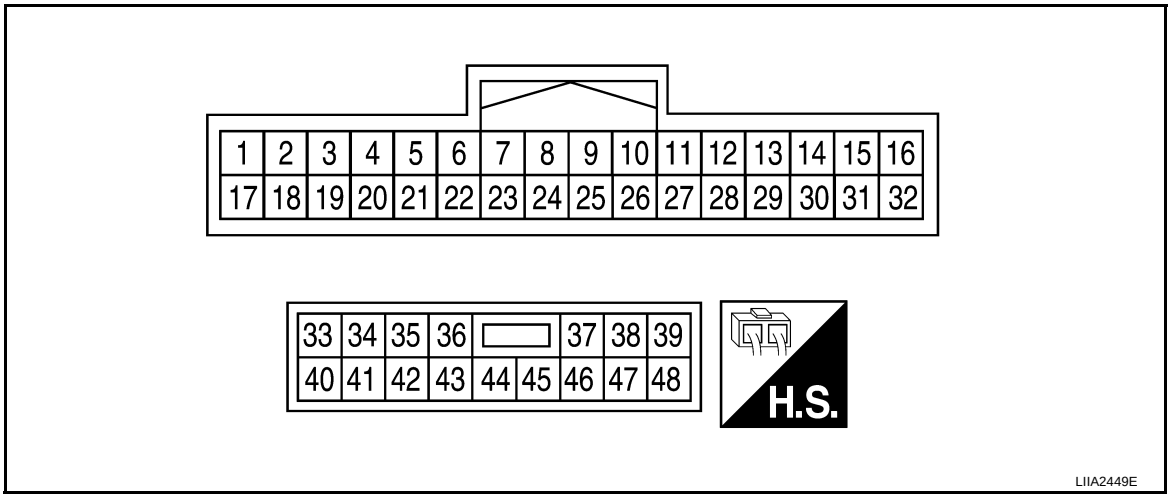


*: THIS CONNECTOR IS NOT SHOWN IN "HARNESS LAYOUT" OF PG SECTION.

WIWA1886E

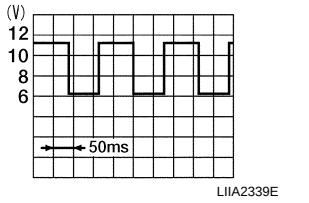
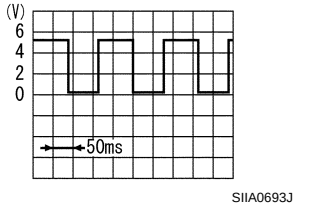
Driver Seat Control Unit Harness Connector Terminal Layout

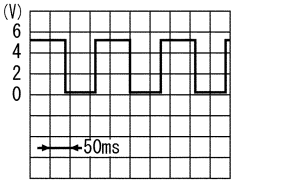
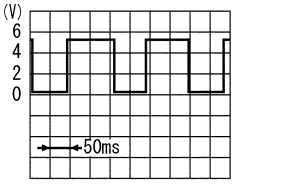
INFOID:0000000001721259



Terminal and Reference Value for Driver Seat Control Unit

INFOID:0000000001721260

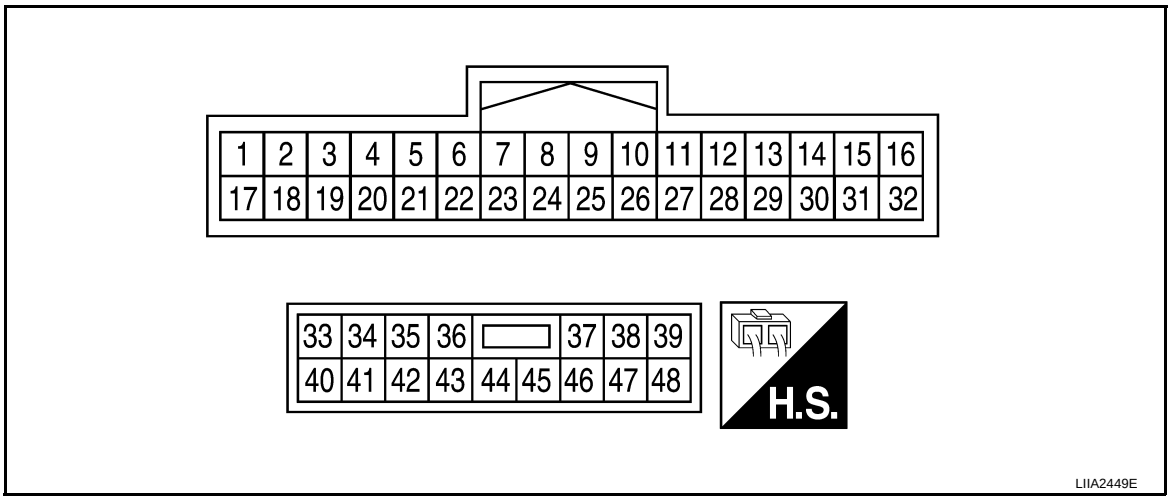
Terminal	Wire Color	Item	Condition	Voltage (V) (Approx.)
1	W/B	UART LINE (RX)	—	—
3	L	CAN-H	—	—
6	B/W	Ignition switch (START)	Ignition switch (START position)	Battery voltage
9	R	Reclining sensor signal	ON (seat reclining motor operation)	 LIIA2339E
			Other than above	0 or 5
10	BR	Rear lifting sensor signal	ON (rear end lifter motor operation)	 SIIA0693J
			Other than above	0 or 5
11	GR/R	Sliding switch LH BACKWARD signal	ON (sliding switch LH BACKWARD operation)	0
			Other than above	Battery voltage
12	P	Reclining switch LH BACKWARD signal	ON (reclining switch LH BACKWARD operation)	0
			Other than above	Battery voltage
13	W	Front lifting switch DOWN signal	ON (front lifting switch DOWN operation)	0
			Other than above	Battery voltage

Terminal	Wire Color	Item	Condition	Voltage (V) (Approx.)
14	GR	Rear lifting switch DOWN signal	ON (rear lifting switch DOWN operation)	0
			Other than above	Battery voltage
16	B/Y	Power supply (ENCODER)	—	5
17	GR	UART LINE (TX)	—	—
19	P	CAN-L	—	—
21	BR/Y	CVT device [detention switch (key)] signal	CVT selector lever other than P position	0
			CVT selector lever P position with ignition knob switch pushed	Battery voltage
24	B	Sliding sensor signal	ON (seat sliding motor operation)	 SIIA0693J
			Other than above	0 or 5
25	L/Y	Front lifting sensor signal	ON (front end lifter motor operation)	 SIIA0691J
			Other than above.	0 or 5
26	P/B	Sliding switch LH FORWARD signal	ON (sliding switch LH FORWARD operation)	0
			Other than above	Battery voltage
27	W/R	Reclining switch LH FORWARD signal	ON (reclining switch LH FORWARD operation)	0
			Other than above	Battery voltage
28	BR	Front lifting switch UP signal	ON (front lifting switch UP operation)	0
			Other than above	Battery voltage
29	Y/R	Rear lifting switch UP signal	ON (rear lifting switch UP operation)	0
			Other than above	Battery voltage
31	BR	Sensor ground	—	0
32	B	Ground	—	0
33	Y	Battery power supply	—	Battery voltage
35	G	Sliding motor LH FORWARD output signal	Sliding switch LH FORWARD operation (motor operated)	Battery voltage
			Other than above	0
36	G	Reclining motor LH FORWARD output signal	Reclining switch LH FORWARD operation (motor operated)	Battery voltage
			Other than above	0

Terminal	Wire Color	Item	Condition	Voltage (V) (Approx.)
37	Y/G	Front lifter motor DOWN output signal	Front lifting switch DOWN operation (motor operated)	Battery voltage
			Other than above	0
38	B/W	Rear lifter motor UP output signal	Rear lifting switch UP operation (motor operated)	Battery voltage
			Other than above	0
39	B	Rear lifter motor DOWN output signal	Rear lifting switch DOWN operation (motor operated)	Battery voltage
			Other than above	0
40	Y/R	Battery power supply	—	Battery voltage
42	Y/R	Sliding motor LH BACKWARD output signal	Sliding switch LH BACKWARD operation (motor operated)	Battery voltage
			Other than above	0
44	GR/R	Reclining motor LH BACKWARD output signal	Reclining switch LH BACKWARD operation (motor operated)	Battery voltage
			Other than above	0
45	GR	Front lifter motor UP output signal	Front lifting switch UP operation (motor operated)	Battery voltage
			Other than above	0
48	B	Ground	—	0

Automatic Drive Positioner Control Unit Harness Connector Terminal Layout

INFOID:0000000001721261



Terminal and Reference Value for Automatic Drive Positioner Control Unit

INFOID:0000000001721262

Terminal	Wire Color	Item	Condition	Voltage (V) (Approx.)
1	Y/G	Tilt switch signal UP	UP operation	0
			Other than above	5
2	LG/R	Changeover switch signal RH	RH position	0
			Other than above	5
3	Y/B	Mirror switch signal UP	UP position	0
			Other than above	5

Terminal	Wire Color	Item	Condition	Voltage (V) (Approx.)
4	V/W	Mirror switch signal LEFT	LEFT position	0
			Other than above	5
5	R/B	Mirror sensor signal RH VERTICAL	Door mirror RH UP or DOWN operation	Changes between 3.4 and 0.6
6	L/Y	Mirror sensor signal LH VERTICAL	Door mirror LH UP or DOWN operation	Changes between 3.4 and 0.6
7	O/L	Tilt sensor input	Tilt position TOP	1
			Tilt position BOTTOM	4
9	L/W	Power seat memory switch 1 signal	Memory switch 1 ON	0
			Memory switch 1 OFF	5
10	R	UART LINE (TX)	—	—
11	P/L	Telescopic switch signal FORWARD	FORWARD operation	0
			Other than above	5
12	O	Power seat memory switch indicator 1 signal	Memory switch 1 ON	1
			Memory switch 1 OFF	Battery voltage
13	P	Power seat memory switch indicator 2 signal	Memory switch 2 ON	1
			Memory switch 2 OFF	Battery voltage
14	GR/R	Mirror motor signal RH UP	UP operation	1.7 - Battery voltage
			Other than above	0
15	L/Y	Mirror motor signal RH LEFT	LEFT operation	1.7 - Battery voltage
			Other than above	0
16	G/B	Mirror motor signal LH DOWN	DOWN operation	1.7 - Battery voltage
			Other than above	0
		Mirror motor signal LH RIGHT	RIGHT operation	1.7 - Battery voltage
			Other than above	0
17	LG/B	Tilt switch signal DOWN	DOWN operation	0
			Other than above	5
18	L	Changeover switch signal LH	LH position	0
			Other than above	5
19	L/B	Mirror switch signal DOWN	DOWN position	0
			Other than above	5
20	BR/Y	Mirror switch signal RIGHT	RIGHT position	0
			Other than above	5
21	L/W	Mirror sensor signal RH HORIZONTAL	Door mirror RH LEFT or RIGHT operation	Changes between 3.4 and 0.6
22	G/R	Mirror sensor signal LH HORIZONTAL	Door mirror LH LEFT or RIGHT operation	Changes between 3.4 and 0.6
23	R/Y	Telescopic sensor input	Telescopic position TOP	0.4
			Telescopic position BOTTOM	4.6
24	R/B	Power seat set switch signal	Set switch ON	0
			Set switch OFF	5
25	V	Power seat memory switch 2 signal	Memory switch 2 ON	0
			Memory switch 2 OFF	5
26	R/W	UART LINE (RX)	—	—

Terminal	Wire Color	Item	Condition	Voltage (V) (Approx.)
27	G/W	Telescopic switch signal BACKWARD	BACKWARD operation	0
			Other than above	5
30	L/R	Mirror motor signal RH DOWN	DOWN operation	1.7 - Battery voltage
			Other than above	0
		Mirror motor signal RH RIGHT	RIGHT operation	1.7 - Battery voltage
			Other than above	0
31	V/R	Mirror motor signal LH UP	UP operation	1.7 - Battery voltage
			Other than above	0
32	BR	Mirror motor signal LH LEFT	LEFT operation	1.7 - Battery voltage
			Other than above	0
33	W/L	Sensor power supply	—	5
34	W	Battery power supply (FUSE)	—	Battery voltage
35	G/Y	Tilt motor signal UP	UP operation	Battery voltage
			Other than above	0
36	R	Telescopic motor signal FORWARD	FORWARD operation	Battery voltage
			Other than above	0
39	W/R	Battery power supply (PTC)	—	Battery voltage
40	B	Ground	—	0
41	Y/G	Sensor ground	—	0
42	G/W	Tilt motor DOWN signal	DOWN operation	Battery voltage
			Other than above	0
44	G	Telescopic motor signal BACKWARD	BACKWARD operation	Battery voltage
			Other than above	0
48	B	Ground	—	0

Terminal and Reference Value for BCM

INFOID:0000000001721263

Refer to BCS-11, "Terminal and Reference Value for BCM" .

Trouble Diagnosis

INFOID:0000000001721264

WORK FLOW

1. Check the symptom and customer's requests.
2. Understand the system description. Refer to SE-11, "System Description".
3. Perform the preliminary check, refer to "PRELIMINARY CHECK".
4. Check the self-diagnosis, results using CONSULT-III refer to "Self-diagnosis Results".
5. Repair or replace depending on the self-diagnostic results.
6. Based on the trouble diagnosis chart, repair or replace the cause of the malfunction. Refer to "SYMPTOM CHART".
7. Does the automatic drive positioner system operate normally?
   If it is normal, GO TO 8.
   If it is not normal, GO TO 3.
8. Inspection end.

PRELIMINARY CHECK

Setting Change Function

The settings of the automatic drive position system can be changed using CONSULT-III.

×: Applicable –: Not applicable

Setting item	Content	CONSULT-III (WORK SUPPORT)	Display unit	Default setting	Factory setting
SEAT SLIDE VOLUME SEAT	The distance at retain operation can be selected from the following 3 modes.	40mm	—	×	×
		80mm		—	—
		150mm		—	—
Sliding Driver Seat and Steering Wheel Raise When Entry/ Exiting Vehicle	The seat sliding and steering wheel raise exiting and entry at entry/exit can be selected: ON (operated)–OFF (not operated)	ON	ON: Indicator lamp ON	—	×
		OFF	OFF: Indicator lamp OFF	×	—
Reset custom settings*	All settings to default.	—	Default: Setting button ON	—	—

*: Setting of sliding driver seat and steering wheel raise for entry/exit of vehicle is ON at factory-shipment. But if custom settings are reset, setting turns OFF.

BCM POWER SUPPLY AND GROUND CIRCUIT INSPECTION
Refer to BCS-15, "BCM Power Supply and Ground Circuit Inspection".

DRIVER SEAT CONTROL UNIT AND AUTOMATIC DRIVE POSITIONER CONTROL UNIT POWER SUPPLY AND GROUND CIRCUIT INSPECTION

1.FUSE INSPECTION

Make sure none of the following fuses or fusible link for the driver seat control unit and automatic drive positioner control unit are blown.

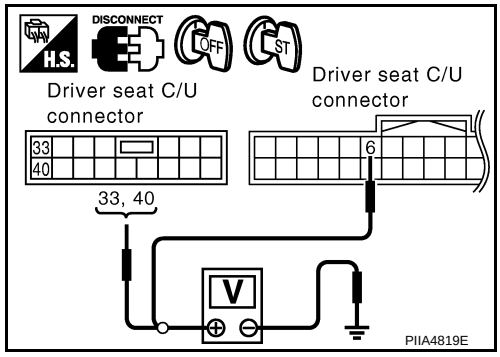
Unit	Power source	Fuse No.
Driver seat control unit	START power supply	9 (10A)
Driver seat control unit and automatic drive positioner control unit	Battery power supply	3 (10A)
		f (50A)

OK or NG

OK >> GO TO 2.
NG >> If fuse is blown, be sure to eliminate cause of malfunction before installing new fuse. Refer to GI-24, "How to Perform Efficient Diagnosis for an Electrical Incident".

2.CHECK DRIVER SEAT CONTROL UNIT POWER SUPPLY CIRCUIT

1. Disconnect driver seat control unit.
2. Check voltage between driver seat control unit and ground.



Connector	Terminals (+)	Terminals (-)	Power source	Condition	Voltage (V) (Approx.)
B402	33, 40	Ground	Battery power supply	Ignition switch OFF	Battery voltage
B401	6	Ground	START power supply	Ignition switch START	Battery voltage

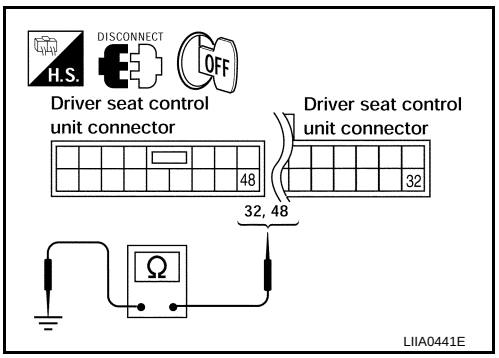
OK or NG

OK >> GO TO 3.
NG >> Check harness for open and short between driver seat control unit and fuse block (J/B).

3.CHECK DRIVER SEAT CONTROL UNIT GROUND CIRCUIT

1. Turn ignition switch OFF.
2. Check continuity between the driver seat control unit connector B401 terminal 32, B402 terminal 48 and ground.

32 - Ground : Continuity should exist.
48 - Ground : Continuity should exist.



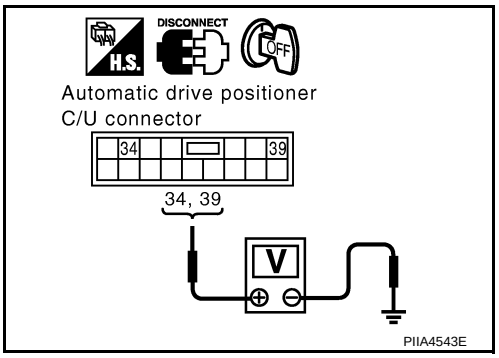
OK or NG

OK >> GO TO 4.
NG >> Repair or replace harness.

4. CHECK AUTOMATIC DRIVE POSITIONER CONTROL UNIT POWER SUPPLY CIRCUIT

1. Disconnect automatic drive positioner control unit.
2. Check voltage between automatic drive positioner control unit connector M42 terminals 34, 39 and ground.

34 - Ground : Battery voltage
39 - Ground : Battery voltage



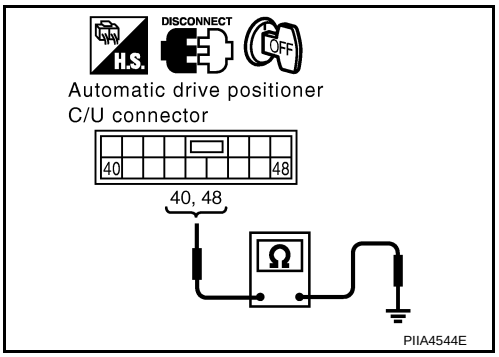
OK or NG

OK >> GO TO 5.
NG >> Repair or replace harness.

5. CHECK AUTOMATIC DRIVE POSITIONER CONTROL UNIT GROUND CIRCUIT

Check continuity between the automatic drive positioner control unit connector M42 terminals 40, 48 and ground.

40 - Ground : Continuity should exist.
48 - Ground : Continuity should exist.



OK or NG

OK >> Automatic drive positioner control unit circuit is OK.
NG >> Repair or replace harness.

CONSULT-III FUNCTION (AUTO DRIVE POS.)

CONSULT-III can display each diagnostic item using the diagnostic test modes shown following.

AUTO DRIVE POS. diagnostic mode	Description
WORK SUPPORT	Supports inspections and adjustments. Commands are transmitted to the driver seat control unit for setting the status suitable for required operation, input/output signals are received from the driver seat control unit and received data is displayed.
SELF-DIAG RESULTS	Displays driver seat control unit self-diagnosis results.
DATA MONITOR	Displays driver seat control unit input/output data in real time.
CAN DIAG SUPPORT MNTR	The result of transmit/receive diagnosis of CAN communication can be read.
ACTIVE TEST	Operation of electrical loads can be checked by sending drive signal to them.
ECU PART NUMBER	Driver seat control unit part number can be read.

Self-diagnosis Results

DISPLAY ITEM LIST

CONSULT-III display	Item	Malfunction is detected when...	Reference page
CAN COMM CIRC [U1000]	CAN communication	Malfunction is detected in CAN communication.	"CAN COMMUNICATION INSPECTION USING CONSULT-III (SELF-DIAGNOSIS)"
SEAT SLIDE [B2112]	Seat slide motor	When any manual and automatic operations are not performed, if any motor operations of seat slide is detected for 0.1 second or more, status is judged “Output error”.	"SLIDING MOTOR CIRCUIT INSPECTION" "SLIDING SENSOR CIRCUIT INSPECTION"
SEAT RECLNING [B2113]	Seat reclining motor	When any manual and automatic operations are not performed, if any motor operations of seat reclining is detected for 0.1 second or more, status is judged “Output error”.	"RECLINING MOTOR CIRCUIT INSPECTION" "RECLINING SENSOR CIRCUIT INSPECTION"
SEAT LIFTER-FR [B2114]	Seat lifting FR motor	When any manual and automatic operations are not performed, if any motor operations of seat lifting FR is detected for 0.1 second or more, status is judged “Output error”.	"FRONT LIFTING MOTOR CIRCUIT INSPECTION" "FRONT LIFTING SENSOR CIRCUIT INSPECTION"
SEAT LIFTER-RR [B2115]	Seat lifting RR motor	When any manual and automatic operations are not performed, if any motor operations of seat lifting RR is detected for 0.1 second or more, status is judged “Output error”.	"REAR LIFTING MOTOR CIRCUIT INSPECTION" "REAR LIFTING SENSOR CIRCUIT INSPECTION"
STEERING TILT [B2116]	Steering tilt motor	When any manual and automatic operations are not performed, if any motor operations of tilt is detected for 0.1 second or more, status is judged “Output error”.	"TELESCOPIC CIRCUIT INSPECTION"
TELESCO MOTOR [B2117]	Steering telescopic motor	When any manual and automatic operations are not performed, if any motor operations of tilt is detected for 0.1 second or more, status is judged “Output error”.	"TELESCOPIC CIRCUIT INSPECTION"
TILT SENSOR [B2118]	Steering tilt sensor	When steering tilt sensor detects 0.5V or lower, or 4.5V or higher, for 0.5 seconds or more.	"TELESCOPIC SENSOR CIRCUIT INSPECTION"
STEERING TELESCO SENSOR [B2119]	Steering telescopic sensor	When steering telescopic sensor detects 0.5V or lower, or 4.5V or higher, for 0.5 seconds or more.	"TELESCOPIC SENSOR CIRCUIT INSPECTION"

CONSULT-III display	Item	Malfunction is detected when...	Reference page
DETENT SW [B2126]	Park position switch	With the CVT selector lever in P position [detention switch (key)] OFF, if the vehicle speed of 7 km/h (4 MPH) or higher was input the park position switch input system is judged malfunctioning.	"CVT DEVICE [DETENTION SWITCH (KEY)] CIRCUIT INSPECTION"
UART COMM [B2128]	UART communication	Malfunction is detected in UART communication.	"UART COMUNICATION LINE CIRCUIT INSPECTION"

NOTE:
- The displays of CAN communication and detection switch display error detecting condition from memory erase to the present on “TIME”.
- If error is detected in the past and present error is detected, “CRNT” is displayed.
- If error is detected in the past and present error is not detected, “PAST” is displayed.
- If error has never been detected, nothing is displayed on “TIME”.
- Any items other than CAN communication and detection switch count error detection frequency occurred after erase history to “1-127”.
- If error was detected in the past, error detection frequency from memory erase to the present is displayed on “TIME”.
- If error has never been detected, nothing is displayed on “TIME”.
- Can clear the detected memory.
- Normal: Clear memory in normal condition, history is erased and nothing is displayed on “TIME”.
- Error: Clear memory in error condition, error is detected again and “1” is displayed on “TIME”.

Data Monitor

CAN DIAGNOSIS SUPPORT MONITOR

Monitor item [UNIT]		Contents
CAN COMM	[OK/NG]	When CAN communication circuit is malfunctioning, it displays “NG”.
INITIAL DIAG	[OK/UNKWN]	Displays [OK/UNKWN] condition of the CAN communication judged by signal input.
TRANSMIT DIAG	[OK/UNKWN]	Displays [OK/UNKWN] condition of the CAN communication judged by signal input.
ECM	[OK/UNKWN]	Displays [OK/UNKWN] condition of the CAN communication judged by signal input.
IPDM E/R	[OK/UNKWN]	Displays [OK/UNKWN] condition of the CAN communication judged by signal input.

SELECTION FROM MENU

Monitor item [OPERATION or UNIT]		Contents
SLIDE SW-FR	“ON/OFF”	ON/OFF status judged from the sliding switch (FR) signal is displayed.
SLIDE SW-RR	“ON/OFF”	ON/OFF status judged from the sliding switch (RR) signal is displayed.
RECLN SW-FR	“ON/OFF”	ON/OFF status judged from the reclining switch (FR) signal is displayed.
RECLIN SW-RR	“ON/OFF”	ON/OFF status judged from the reclining switch (RR) signal is displayed.
LIFT FR SW-UP	“ON/OFF”	ON/OFF status judged from the FR lifting switch (UP) signal is displayed.
LIFT FR SW-DN	“ON/OFF”	ON/OFF status judged from the FR lifting switch (DOWN) signal is displayed.
LIFT RR SW-UP	“ON/OFF”	ON/OFF status judged from the RR lifting switch (UP) signal is displayed.
LIFT RR SW-DN	“ON/OFF”	ON/OFF status judged from the RR lifter switch (DOWN) signal is displayed.
MIR CON SW-UP	“ON/OFF”	ON/OFF status judged from the door mirror remote control switch (UP) signal is displayed.
MIR CON SW-DN	“ON/OFF”	ON/OFF status judged from the door mirror remote control switch (DOWN) signal is displayed.
MIR CON SW-RH	“ON/OFF”	ON/OFF status judged from the door mirror remote control switch (RIGHT) signal is displayed.
MIR CON SW-LH	“ON/OFF”	ON/OFF status judged from the door mirror remote control switch (LEFT) signal s displayed.

Monitor item [OPERATION or UNIT]		Contents
MIR CHNG SW-R	“ON/OFF”	ON/OFF status judged from the door mirror remote control switch (switching to RIGHT) signal is displayed.
MIR CHNG SW-L	“ON/OFF”	ON/OFF status judged from the door mirror remote control switch (switching to LEFT) signal is displayed.
SET SW	“ON/OFF”	ON/OFF status judged from the setting switch signal is displayed.
TILT SW-UP	“ON/OFF”	ON/OFF status judged from the tilt adjusting switch (UP) signal is displayed.
TELESCO SW-FR	“ON/OFF”	ON/OFF status judged from the telescopic adjusting switch (FR) signal is displayed.
MEMORY SW1	“ON/OFF”	ON/OFF status judged from the seat memory switch 1 signal is displayed.
MEMORY SW2	“ON/OFF”	ON/OFF status judged from the seat memory switch 2 signal is displayed.
DETENT SW	“ON/OFF”	The CVT selector lever position “ON (P position)/OFF (other than P position)” judged from the detention switch (key) signal is displayed.
STARTER SW	“ON/OFF”	Ignition key switch ON (START, ON)/OFF (ignition switch IGN, ACC, or OFF) status judged from the ignition switch signal is displayed.
SLIDE PULSE	—	Value (32768) when battery connects is as standard. If it moves forward, the value increases. If it moves backward, the value decreases.
RECLN PULSE	—	Value (32768) when battery connects is as standard. If it moves forward, the value increases. If it moves backward, the value decreases.
LIFT FR PULSE	—	Value (32768) when battery connects is as standard. If it moves forward, the value increases. If it moves backward, the value decreases.
LIFT RR PULSE	—	Value (32768) when battery connects is as standard. If it moves forward, the value increases. If it moves backward, the value decreases.
MIR/SEN RH R-L	“ON/OFF”	Voltage output from LH door mirror sensor (LH/RH) is displayed.
MIR/SEN RH U-D	“ON/OFF”	Voltage output from LH door mirror sensor (UP/DOWN) is displayed.
MIR/SEN LH R-L	“ON/OFF”	Voltage output from RH door mirror sensor (LH/RH) is displayed.
MIR/SEN LH U-D	“ON/OFF”	Voltage output from RH door mirror sensor (Up/DOWN) is displayed.

Active Test

CAUTION:

During vehicle driving, it does not perform active test.

NOTE:

If active test is performed, reset automatic drive positioner seat memory after performing work.

DISPLAY ITEM LIST

Test item	Description
SEAT SLIDE	The sliding motor is activated by receiving the drive signal.
SEAT RECLINING	The reclining motor is activated by receiving the drive signal.
SEAT LIFTER FR	The front lifter motor is activated by receiving the drive signal.
SEAT LIFTER RR	The rear lifter motor is activated by receiving the drive signal.
MEMORY SW INDCTR	The memory switch indicator is lit by receiving the drive signal.
MIRROR MOTOR RH	The RH mirror motor moves the mirror UP/DOWN and LEFT/RIGHT by receiving the drive signal.
MIRROR MOTOR LH	The LH mirror motor moves the mirror UP/DOWN and LEFT/RIGHT by receiving the drive signal.

SYMPTOM CHART

Symptom	Diagnoses / service procedure	Refer to page
A part of seat system does not operate (both automatically and manually).	1. Sliding motor circuit inspection	"SLIDING MOTOR CIRCUIT INSPECTION"
	2. Reclining motor circuit inspection	"RECLINING MOTOR CIRCUIT INSPECTION"
	3. Front lifter motor circuit inspection	"FRONT LIFTING MOTOR CIRCUIT INSPECTION"
	4. Rear lifter motor circuit inspection	"REAR LIFTING MOTOR CIRCUIT INSPECTION"
	5. If the above systems are normal, replace the driver seat control unit.	—
A part of door mirror does not operate (both automatically and manually).	1. Mirror motor LH circuit check	"MIRROR MOTOR LH CIRCUIT INSPECTION"
	2. Mirror motor RH circuit check	"MIRROR MOTOR RH CIRCUIT INSPECTION"
	3. If the above systems are normal, replace the automatic drive positioner control unit.	—
A part of seat system does not operate (only automatic operation).	1. Sliding sensor circuit inspection	"SLIDING SENSOR CIRCUIT INSPECTION"
	2. Reclining sensor circuit inspection	"RECLINING SENSOR CIRCUIT INSPECTION"
	3. Front lifting sensor circuit inspection	"FRONT LIFTING SENSOR CIRCUIT INSPECTION"
	4. Rear lifting sensor circuit inspection	"REAR LIFTING SENSOR CIRCUIT INSPECTION"
	5. If the above systems are normal, replace the driver seat control unit.	—

Symptom	Diagnoses / service procedure	Refer to page
A part of door mirror system does not operate (only automatic operation).	1. Mirror sensor LH circuit check	"MIRROR SENSOR LH CIRCUIT INSPECTION"
	2. Mirror sensor RH circuit check	"MIRROR SENSOR RH CIRCUIT INSPECTION"
	3. If the above systems are normal, replace the automatic drive positioner control unit.	—
All the automatic operations do not operate.	1. CVT device [detention switch (key)] circuit inspection	"CVT DEVICE [DETENTION SWITCH (KEY)] CIRCUIT INSPECTION"
	2. Key switch and ignition knob switch circuit inspection	"KEY SWITCH AND IGNITION KNOB SWITCH CIRCUIT INSPECTION"
	3. UART communication line circuit inspection	"UART COMUNICATION LINE CIRCUIT INSPECTION"
	4. Tilt sensor circuit inspection	"TILT SENSOR CIRCUIT INSPECTION"
	5. Telescopic sensor circuit inspection	"TELESCOPIC SENSOR CIRCUIT INSPECTION"
	6. If all the above systems are normal, replace the automatic drive positioner control unit.	–

Symptom	Diagnoses / service procedure	Refer to page
A part of seat system does not operate (only manual operation).	1. Sliding switch circuit inspection	"SLIDING SWITCH LH CIRCUIT INSPECTION"
	2. Reclining switch circuit inspection	"RECLINING SWITCH LH INSPECTION"
	3. Front lifting switch circuit inspection	"FRONT LIFTING SWITCH CIRCUIT INSPECTION"
	4. Rear lifting switch circuit inspection	"REAR LIFTING SWITCH CIRCUIT INSPECTION"
	5. If the above systems are normal, replace the driver seat control unit.	–
Seat function does not operate (only automatic operation).	1. Sliding sensor circuit inspection	"SLIDING SENSOR CIRCUIT INSPECTION"
	2. Reclining sensor circuit inspection	"RECLINING SENSOR CIRCUIT INSPECTION"
	3. Front lifting sensor circuit inspection	"FRONT LIFTING SENSOR CIRCUIT INSPECTION"
	4. Rear lifting sensor circuit inspection	"REAR LIFTING SENSOR CIRCUIT INSPECTION"
	5. If the above systems are normal, replace the driver seat control unit.	–

Symptom	Diagnoses / service procedure	Refer to page
A part of door mirror does not operate (only manual operation).	1. Door mirror remote control switch (change over switch) circuit inspection	"DOOR MIRROR REMOTE CONTROL SWITCH (CHANGEOVER SWITCH) CIRCUIT CHECK"
	2. Door mirror remote control switch (mirror switch) switching circuit inspection	"DOOR MIRROR REMOTE CONTROL SWITCH (MIRROR SWITCH) CIRCUIT CHECK"
	3. If the above systems are normal, replace the automatic drive positioner control unit.	—
Automatic drive positioner system does not operate (only memory switch operation).	1. Seat memory switch circuit inspection	"SEAT MEMORY SWITCH CIRCUIT INSPECTION"
	2. If the above systems are normal, replace the driver seat control unit.	—
Seat memory indicator lamps 1 and 2 do not illuminate.	1. Seat memory indicator lamp circuit inspection	"SEAT MEMORY INDICATOR LAMP CIRCUIT INSPECTION"
	2. If all the above systems are normal, replace the driver seat control unit.	–
The Entry/Exiting does not operate when door is opened and closed. (The Entry/Exiting operates with key switch).	1. Front door switch LH circuit inspection	"FRONT DOOR SWITCH LH CIRCUIT INSPECTION"
	2. If all the above systems are normal, replace the BCM.	–
Seat system does not operate (only manual operation).	1. Power seat switch ground circuit inspection	"POWER SEAT SWITCH LH GROUND INSPECTION"

SLIDING MOTOR CIRCUIT INSPECTION

1.CHECK SEAT SLIDING MECHANISM

Check the following.
- Operation malfunction caused by sliding rail deformation or pinched harness or other foreign materials
- Operation malfunction caused by foreign materials adhered to the sliding motor or sliding rail connector rod
- Operation malfunction and interference with other parts by poor installation

OK or NG

OK >> GO TO 2.
NG >> Repair the malfunctioning part and check again.

2.CHECK FUNCTION

With CONSULT-III

Check operation with “SEAT SLIDE” in ACTIVE TEST.

Test item	Description
SEAT SLIDE	The sliding motor is activated by receiving the drive signal.

Without CONSULT-III

GO TO 3.

OK or NG

OK >> Sliding motor LH circuit is OK.
NG >> GO TO 3.

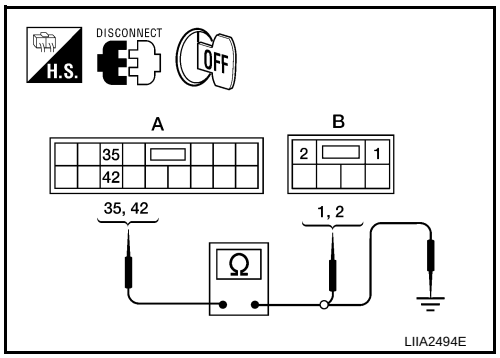
3.CHECK SLIDING MOTOR HARNESS CONTINUITY

1. Turn ignition switch OFF.
2. Disconnect driver seat control unit and sliding motor LH.
3. Check continuity between driver seat control unit connector B402 (A) terminals 35, 42 and sliding motor LH connector B404 (B) terminals 1, 2.

35 - 1 : Continuity should exist.
42 - 2 : Continuity should exist.

4. Check continuity between driver seat control unit connector B402 (A) terminals 35, 42 and ground.

35 - Ground : Continuity should not exist.
42 - Ground : Continuity should not exist.



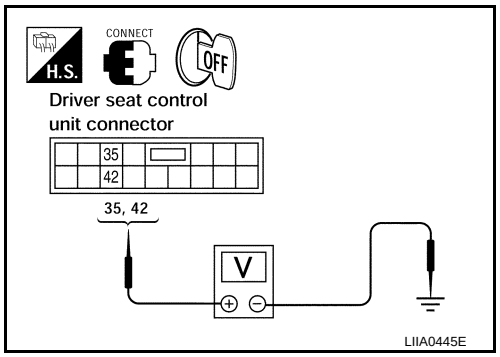
OK or NG

OK >> GO TO 4.
NG >> Repair or replace harness.

4.CHECK DRIVER SEAT CONTROL UNIT OUTPUT SIGNAL

1. Connect the driver seat control unit and sliding motor LH.
2. Check voltage between driver seat control unit connector and ground.

Connector	Terminals (+)	Terminals (-)	Condition	Voltage (V) (Approx.)
B402	35	Ground	Sliding switch ON (FORWARD operation)	Battery voltage
			Other than above	0
	42		Sliding switch ON (BACKWARD operation)	Battery voltage
			Other than above	0



OK or NG

OK >> Replace sliding motor LH. Refer to SE-85.
NG >> Replace driver seat control unit. Refer to SE-85.

RECLINING MOTOR CIRCUIT INSPECTION

1.CHECK SEAT RECLINING MECHANISM

Check the following.
- Operation malfunction caused by an interference with the center pillar or center console
- Operation malfunction and interference with other parts by poor installation

OK or NG

OK >> GO TO 2.
NG >> Repair the malfunctioning part and check again.

2.CHECK FUNCTION

With CONSULT-III

Check operation with “SEAT RECLINING” in ACTIVE TEST.

Test item	Description
SEAT RECLINING	The reclining motor is activated by receiving the drive signal.

Without CONSULT-III

GO TO 3.

OK or NG

OK >> Reclining motor LH circuit is OK.
NG >> GO TO 3.

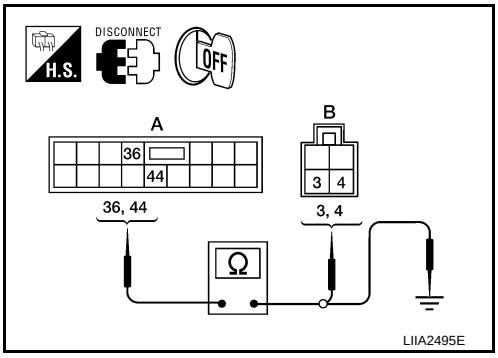
3.CHECK RECLINING MOTOR HARNESS CONTINUITY

1. Turn ignition switch OFF.
2. Disconnect driver seat control unit and reclining motor.
3. Check continuity between driver seat control unit connector (A) B402 terminals 36, 44 and reclining motor LH B405 connector B405 terminals 3, 4.

36 - 3 : Continuity should exist.
44 - 4 : Continuity should exist.

4. Check continuity between driver seat control unit connector (A) B402 terminals 36, 44 and ground.

36 - Ground : Continuity should not exist.
44 - Ground : Continuity should not exist.



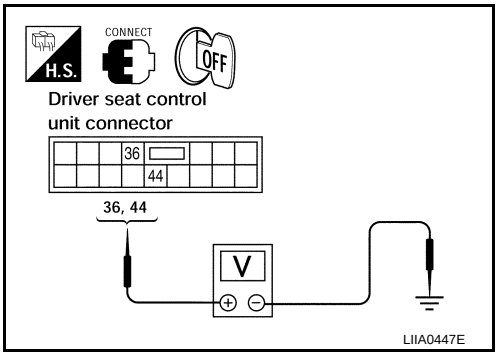
OK or NG

OK >> GO TO 4.
NG >> Repair or replace harness.

4.CHECK DRIVER SEAT CONTROL UNIT OUTPUT SIGNAL

1. Connect the driver seat control unit and reclining motor.
2. Check voltage between driver seat control unit connector and ground.

Connector	Terminals (+)	Terminals (-)	Condition	Voltage (V) (Approx.)
B402	36	Ground	Reclining switch ON (FORWARD operation)	Battery voltage
			Other than above	0
	44		Reclining switch ON (BACKWARD operation)	Battery voltage
			Other than above	0



OK or NG

OK >> Replace reclining motor LH. Refer to SE-85.
NG >> Replace driver seat control unit. Refer to SE-85.

FRONT LIFTING MOTOR CIRCUIT INSPECTION

1.CHECK FRONT SEAT LIFTING MECHANISM

Check the following.
- Operation malfunction caused by lifting mechanism deformation or pinched harness or other foreign materials
- Operation malfunction caused by foreign materials adhered to the lifting motor or lead screws
- Operation malfunction and interference with other parts by installation

OK or NG

OK >> GO TO 2.
NG >> Repair the malfunctioning part and check again.

2.CHECK FUNCTION

With CONSULT-III
Check operation with “SEAT LIFTER FR” in ACTIVE TEST.

Test item	Description
SEAT LIFTER FR	The front lifting motor is activated by receiving the drive signal.

Without CONSULT-III
GO TO 3.

OK or NG

OK >> Front lifting motor circuit is OK.
NG >> GO TO 3.

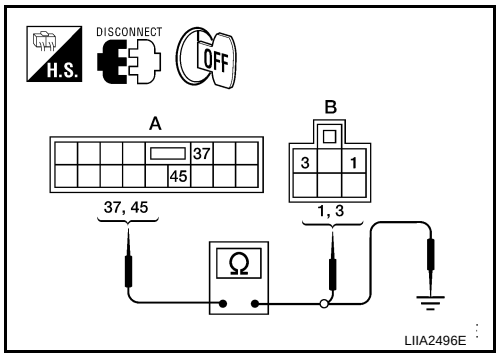
3.CHECK FRONT LIFTING MOTOR HARNESS CONTINUITY

1. Turn ignition switch OFF.
2. Disconnect driver seat control unit connector and front lifting motor connector.
3. Check continuity between driver seat control unit connector B402 (A) terminals 37, 45 and front lifting motor connector B406 (A) terminals 1, 3.

37 - 1 : Continuity should exist.
45 - 3 : Continuity should exist.

4. Check continuity between driver seat control unit connector B402 (A) terminals 37, 45 and ground.

37 - Ground : Continuity should not exist.
45 - Ground : Continuity should not exist.

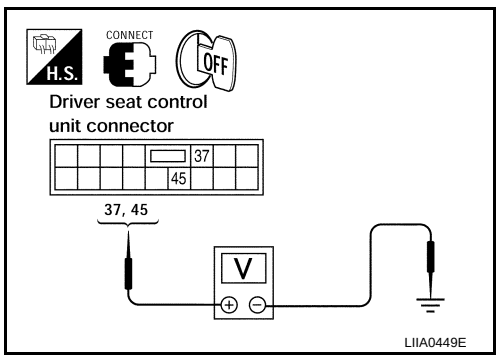


OK or NG

OK >> GO TO 4.
NG >> Repair or replace harness.

4.CHECK DRIVER SEAT CONTROL UNIT OUTPUT SIGNAL

1. Connect the driver seat control unit and front lifting motor.
2. Check voltage between driver seat control unit connector and ground.



Connector	Terminals (+)	Terminals (-)	Condition	Voltage (V) (Approx.)
B402	45	Ground	Front lifting switch ON (UP operation)	Battery voltage
			Other than above	0
	37		Front lifting switch ON (DOWN operation)	Battery voltage
			Other than above	0

OK or NG

OK >> Replace front lifting motor. Refer to SE-85.
NG >> Replace driver seat control unit. Refer to SE-85.

REAR LIFTING MOTOR CIRCUIT INSPECTION

1. CHECK REAR SEAT LIFTING MECHANISM

Check the following.
- Operation malfunction caused by lifting mechanism deformation or pinched harness or other foreign materials
- Operation malfunction caused by foreign materials adhered to the lifting motor or lead screws
- Operation malfunction and interference with other parts by poor installation

OK or NG

OK >> GO TO 2.
NG >> Repair the malfunctioning part and check again.

2. CHECK FUNCTION

With CONSULT-III

Check operation with “SEAT LIFTER RR” in ACTIVE TEST.

Test item	Description
SEAT LIFTER R R	The rear lifting motor is activated by receiving the drive signal.

Without CONSULT-III

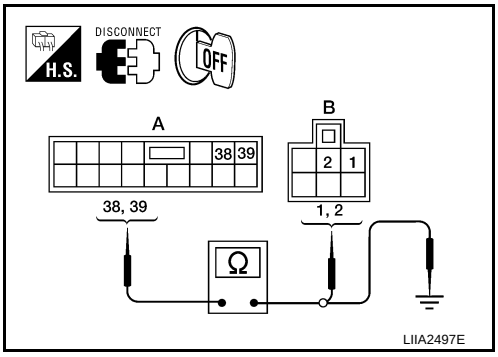
GO TO 3.

OK or NG

OK >> Rear lifting motor circuit is OK.
NG >> GO TO 3.

3. CHECK REAR LIFTING MOTOR HARNESS CONTINUITY

1. Turn ignition switch OFF.
2. Disconnect driver seat control unit and rear lifting motor.
3. Check continuity between driver seat control unit connector B402 (A) terminals 38, 39 and rear lifting motor connector B407 (B) terminals 1, 2.



38 - 2 : Continuity should exist.
39 - 1 : Continuity should exist.

4. Check continuity between driver seat control unit B402 (A) terminals 38, 39 and ground.

38 - Ground : Continuity should not exist.
39 - Ground : Continuity should not exist.

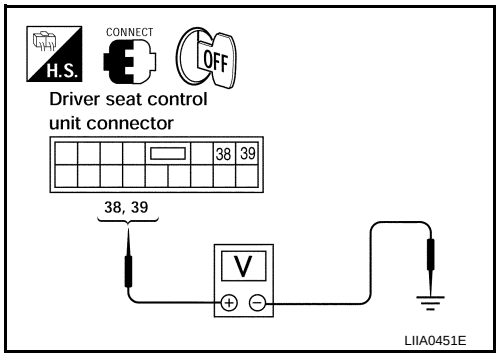
OK or NG

OK >> GO TO 4.

NG >> Repair or replace harness.

4. CHECK DRIVER SEAT CONTROL UNIT OUTPUT SIGNAL

1. Connect the driver seat control unit and rear lifting motor.
2. Check voltage between driver seat control unit connector and ground.



Connector	Terminals (+)	Terminals (-)	Condition	Voltage (V) (Approx.)
B402	38	Ground	Rear lifting switch ON (UP operation)	Battery voltage
			Other than above	0
	39		Rear lifting switch ON (DOWN operation)	Battery voltage
			Other than above	0

OK or NG

OK >> Replace rear lifting motor. Refer to SE-85.
NG >> Replace driver seat control unit. Refer to SE-85.

MIRROR MOTOR LH CIRCUIT INSPECTION

1. CHECK MIRROR MOTOR LH MECHANISM

Check the following items.
Operation malfunction caused by a foreign object caught in door mirror face edge.

OK or NG

OK >> GO TO 2.
NG >> Repair the malfunctioning part and check again.

2. CHECK FUNCTION

With CONSULT-III
Check operation with "MIRROR MOTOR LH" in ACTIVE TEST.

Test item	Description
MIRROR MOTOR LH	The mirror motor LH is activated by receiving the drive signal.

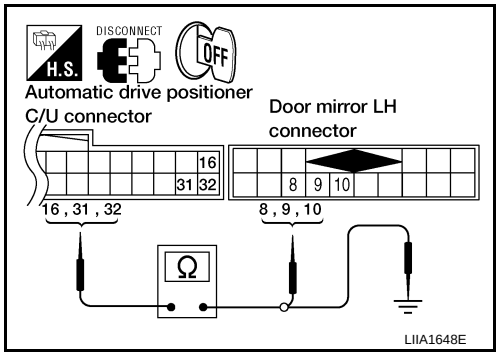
Without CONSULT-III
GO TO 3.

OK or NG

OK >> Mirror motor LH circuit is OK.
NG >> GO TO 3.

3. CHECK MIRROR MOTOR LH HARNESS CONTINUITY

1. Turn ignition switch OFF.
2. Disconnect automatic drive positioner control unit and door mirror LH.
3. Check continuity between automatic drive positioner control unit connector M41 terminals 16, 31, 32 and door mirror LH connector D4 terminals 8, 9, 10.



16 - 8 : Continuity should exist.
31 - 10 : Continuity should exist.
32 - 9 : Continuity should exist.

4. Check continuity between automatic drive positioner control unit connector M41 terminals 16, 31, 32 and ground.

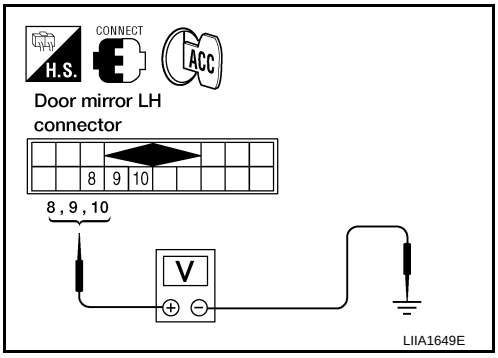
16 - Ground : Continuity should not exist.
31 - Ground : Continuity should not exist.
32 - Ground : Continuity should not exist.

OK or NG

OK >> GO TO 4.
NG >> Repair or replace harness.

4. CHECK AUTOMATIC DRIVE POSITIONER CONTROL UNIT OUTPUT SIGNAL

1. Connect the automatic drive positioner control unit and door mirror LH.
2. Turn ignition switch to ACC.
3. Check voltage between door mirror LH connector and ground.



Connector	Terminals (+)	Terminals (-)	Condition	Voltage (V) (Approx.)
D4	8	Ground	When motor is DOWN or RIGHT operation	1.7 - Battery voltage
			Other than above	0
	9		When motor is LEFT operation	1.7 - Battery voltage
			Other than above	0
	10		When motor is UP operation	1.7 - Battery voltage
			Other than above	0

OK or NG

OK >> Replace door mirror LH.
NG >> Replace automatic drive positioner control unit.

MIRROR MOTOR RH CIRCUIT INSPECTION

1. CHECK MIRROR MOTOR RH MECHANISM

Check the following items.
Operation malfunction caused by a foreign object caught in door mirror face edge.

OK or NG

OK >> GO TO 2.
NG >> Repair the malfunctioning part and check again.

2. CHECK FUNCTION

With CONSULT-III
Check operation with "MIRROR MOTOR RH" in ACTIVE TEST.

Test item	Description
MIRROR MOTOR RH	The mirror motor LH is activated by receiving the drive signal.

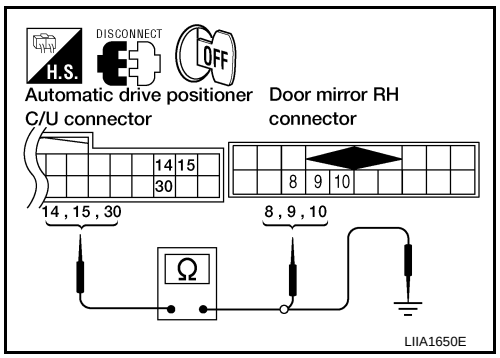
Without CONSULT-III
GO TO 3.

OK or NG

OK >> Mirror motor RH circuit is OK.
NG >> GO TO 3.

3. CHECK MIRROR MOTOR RH HARNESS CONTINUITY

1. Turn ignition switch OFF.
2. Disconnect automatic drive positioner control unit and door mirror RH.
3. Check continuity between automatic drive positioner control unit connector M41 terminals 14, 15, 30 and door mirror RH connector D107 terminals 8, 9, 10.



14 - 10	**: Continuity should exist.**
15 - 9	**: Continuity should exist.**
30 - 8	**: Continuity should exist.**

4. Check continuity between automatic drive positioner control unit connector M41 terminals 14, 15, 30 and ground.

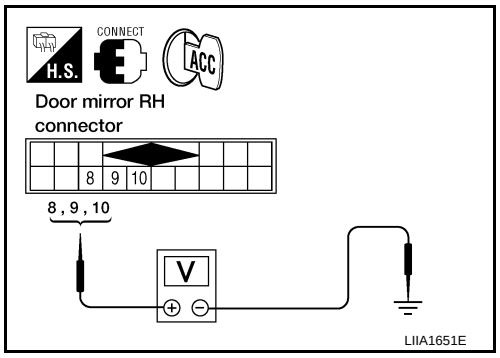
14 - Ground	**: Continuity should not exist.**
15 - Ground	**: Continuity should not exist.**
30 - Ground	**: Continuity should not exist.**

OK or NG

OK >> GO TO 4.
NG >> Repair or replace harness.

4. CHECK AUTOMATIC DRIVE POSITIONER CONTROL UNIT OUTPUT SIGNAL

1. Connect the automatic drive positioner control unit and door mirror RH.
2. Turn ignition switch to ACC.
3. Check voltage between door mirror RH connector and ground.



Connector	Terminals (+)	Terminals (-)	Condition	Voltage (V) (Approx.)
D107	8	Ground	When motor is DOWN or RIGHT operation	1.7 - Battery voltage
			Other than above	0
	9		When motor is LEFT operation	1.7 - Battery voltage
			Other than above	0
	10		When motor is UP operation	1.7 - Battery voltage
			Other than above	0

OK or NG

OK >> Replace door mirror RH. Refer to GW-100, "Door Mirror Assembly".
NG >> Replace automatic drive positioner control unit.

TELESCOPIC CIRCUIT INSPECTION

1. CHECK TELESCOPIC MOTOR

Check the following.
- Operation malfunction caused by telescopic motor deformation or pinched harness or other foreign materials
- Operation malfunction and interference with other parts by poor installation

OK or NG

OK >> GO TO 2.
NG >> Repair the malfunctioning part and check again.

2. CHECK FUNCTION

With CONSULT-III
Check operation with “TELESCO MOTOR” in ACTIVE TEST.

Test item	Description
TELESCO MOTOR	The telescopic motor is activated by receiving the drive signal.

Without CONSULT-III

GO TO 3.

OK or NG

OK >> Telescopic motor circuit is OK.
NG >> GO TO 3.

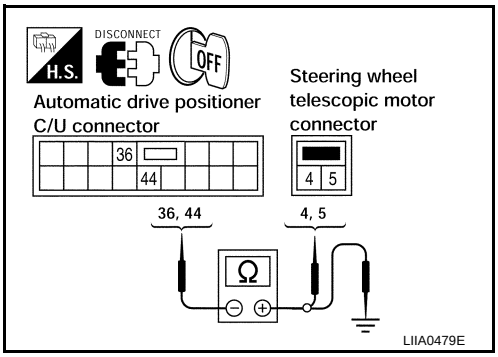
3. CHECK TELESCOPIC MOTOR HARNESS CONTINUITY

1. Turn ignition switch OFF.
2. Disconnect automatic drive positioner control unit and telescopic motor.
3. Check continuity between automatic drive positioner control unit connector M42 terminals 36, 44 and telescopic motor connector M66 terminals 4, 5.

36 - 4 : Continuity should exist.
44 - 5 : Continuity should exist.

4. Check continuity between automatic drive positioner control unit connector M42 terminals 36, 44 and ground.

36 - Ground : Continuity should not exist.
44 - Ground : Continuity should not exist.



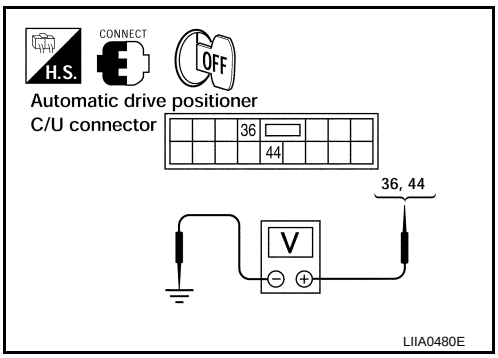
OK or NG

OK >> GO TO 4.
NG >> Repair or replace harness.

4. CHECK AUTOMATIC DRIVE POSITIONER CONTROL UNIT OUTPUT SIGNAL

1. Connect automatic drive positioner control unit and telescopic motor.
2. Check voltage between automatic drive positioner control unit connector and ground.

Connector	Terminals (+)	Terminals (-)	Condition	Voltage (V) (Approx.)
M42	36	Ground	Telescopic switch ON (FORWARD operation)	Battery voltage
			Other than above	0
	44		Telescopic switch ON (BACKWARD operation)	Battery voltage
			Other than above	0



OK or NG

OK >> Replace telescopic motor.
NG >> Replace automatic drive positioner control unit.

TILT CIRCUIT INSPECTION

1. CHECK TILT MOTOR

Check the following.
- Operation malfunction caused by tilt motor deformation or pinched harness or other foreign materials
- Operation malfunction and interference with other parts by poor installation

OK or NG

OK >> GO TO 2.
NG >> Repair the malfunctioning part and check again.

2.CHECK FUNCTION

With CONSULT-III

Check operation with “TILT MOTOR” in ACTIVE TEST.

Test item	Description
TILT MOTOR	The tilt motor is activated by receiving the drive signal.

Without CONSULT-III

GO TO 3.

OK or NG

OK >> Steering wheel tilt motor circuit is OK.
NG >> GO TO 3.

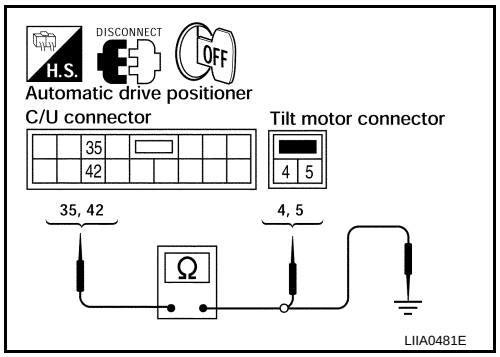
3.CHECK TILT MOTOR HARNESS CONTINUITY

1. Turn ignition switch OFF.
2. Disconnect automatic drive positioner control unit and tilt motor.
3. Check continuity between automatic drive positioner control unit connector M42 terminals 35, 42 and tilt motor connector M68 terminals 4, 5.

35 - 5 : Continuity should exist.
42 - 4 : Continuity should exist.

4. Check continuity between automatic drive positioner control unit connector M42 terminals 35, 42 and ground.

35 - Ground : Continuity should not exist.
42 - Ground : Continuity should not exist.



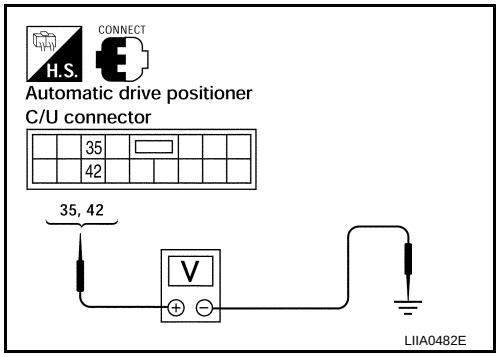
OK or NG

OK >> GO TO 4.
NG >> Repair or replace harness.

4.CHECK AUTOMATIC DRIVE POSITIONER CONTROL UNIT OUTPUT SIGNAL

1. Connect the automatic drive positioner control unit and tilt motor.
2. Check voltage between automatic drive positioner control unit connector and ground.

Connector	Terminals (+)	Terminals (-)	Condition	Voltage (V) (Approx.)
M42	35	Ground	Tilt switch ON (UP operation)	Battery voltage
			Other than above	0
	42		Tilt switch ON (DOWN operation)	Battery voltage
			Other than above	0



OK or NG

OK >> Replace tilt motor.
NG >> Replace automatic drive positioner control unit.

SLIDING SENSOR CIRCUIT INSPECTION

1.CHECK FUNCTION

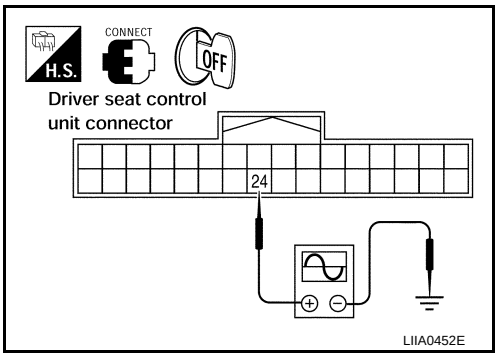
With CONSULT-III

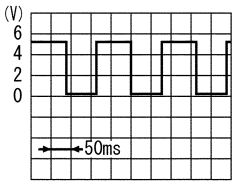
Check operation with “SLIDE PULSE” on the DATA MONITOR to make sure the pulse changes.

Monitor item [OPERATION or UNIT]		Contents
SLIDE PULSE	—	The seat sliding position (pulse) judged from the sliding sensor signal is displayed

Without CONSULT-III

1. Turn ignition switch OFF.
2. Check signal between driver seat control unit connector and ground, with oscilloscope.



Connector	Terminals (+)	Terminals (-)	Condition	Signal
B401	24	Ground	Sliding motor operation	

OK or NG

OK >> Sliding sensor circuit is OK.
NG >> GO TO 2.

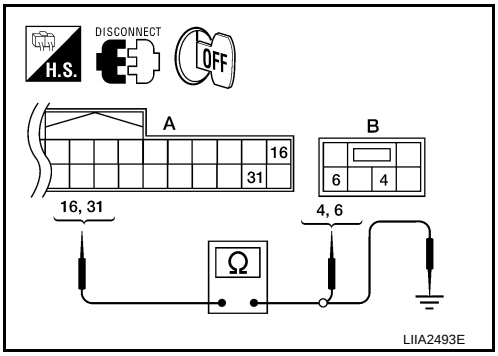
2. CHECK SLIDING SENSOR HARNESS CONTINUITY 1

1. Disconnect driver seat control unit and sliding motor LH.
2. Check continuity between driver seat control unit connector B401 (A) terminals 16, 31 and sliding motor LH connector B404 (B) terminals 4, 6.

16 - 6 : Continuity should exist.
31 - 4 : Continuity should exist.

3. Check continuity between driver seat control unit connector B401 (A) terminals 16, 31 and ground.

16 - Ground : Continuity should not exist.
31 - Ground : Continuity should not exist.



OK or NG

OK >> GO TO 3.
NG >> Repair or replace harness.

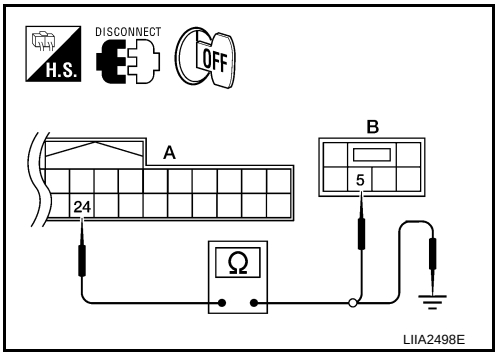
3. CHECK SLIDING SENSOR HARNESS CONTINUITY 2

1. Check continuity between driver seat control unit connector B401 (A) terminal 24 and sliding motor LH B204 (B) terminal 5.

24 - 5 : Continuity should exist.

2. Check continuity between driver seat control unit B401 (A) terminal 24 and ground.

24 - Ground : Continuity should not exist.



OK or NG

OK >> Replace sliding motor LH. Refer to SE-85.
NG >> Repair or replace harness.

RECLINING SENSOR CIRCUIT INSPECTION

1.CHECK FUNCTION

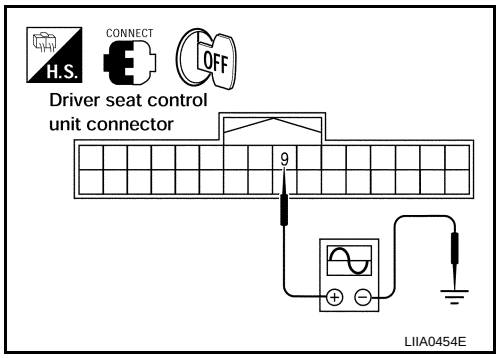
With CONSULT-III

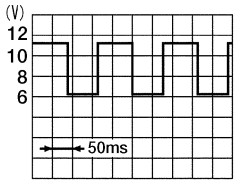
Check operation with “RECLN PULSE” on the DATA MONITOR to make sure the pulse changes.

Monitor item [OPERATION or UNIT]		Contents
RECLN PULSE	—	The seat reclining position (pulse) judged from the reclining sensor is displayed

Without CONSULT-III

1. Turn ignition switch OFF.
2. Check signal between driver seat control unit connector and ground, with oscilloscope.



Connector	Terminals (+)	Terminals (-)	Condition	Signal
B401	9	Ground	Reclining motor operation	

OK or NG

OK >> Reclining sensor circuit is OK.
NG >> GO TO 2.

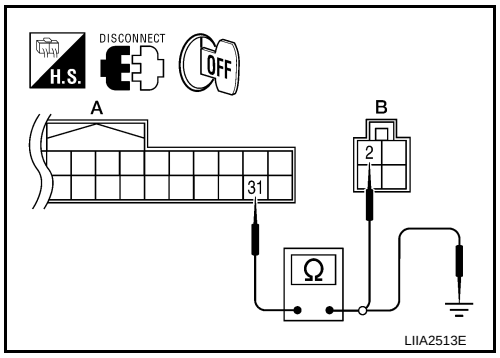
2.CHECK RECLINING SENSOR HARNESS CONTINUITY 1

1. Disconnect driver seat control unit and reclining motor LH.
2. Check continuity between driver seat control unit connector B401 (A) terminal 31 and reclining motor LH connector B405 (B) terminal 2.

31 - 2 : Continuity should exist.

3. Check continuity between driver seat control unit connector B401 (A) terminal 31 and ground.

31 - Ground : Continuity should not exist.



OK or NG

OK >> GO TO 3.
NG >> Repair or replace harness.

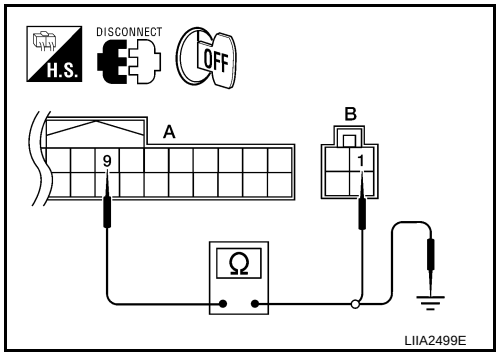
3.CHECK RECLINING SENSOR HARNESS CONTINUITY 2

1. Check continuity between driver seat control unit connector B401 (A) terminal 9 and reclining motor LH connector B405 terminal 1.

9 - 1 : Continuity should exist.

2. Check continuity between driver seat control unit connector B401 (A) terminal 9 and ground.

9 - Ground : Continuity should not exist.



OK or NG

OK >> Replace reclining motor LH. Refer to SE-85.
NG >> Repair or replace harness.

FRONT LIFTING SENSOR CIRCUIT INSPECTION

1.CHECK FUNCTION

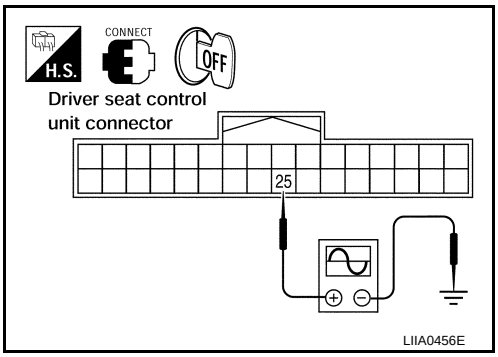
With CONSULT-III

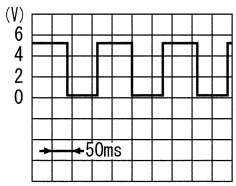
Check operation with “LIFT FR PULSE” on the DATA MONITOR to make sure the pulse changes.

Monitor item [OPERATION or UNIT]		Contents
LIFT FR PULSE	—	The front lifting position (pulse) judged from the front lifting sensor is displayed

Without CONSULT-III

1. Turn ignition switch OFF.
2. Check signal between driver seat control unit connector and ground, with oscilloscope.



Connector	Terminals (+)	Terminals (-)	Condition	Signal
B401	25	Ground	Front lifter motor operation	

OK or NG

OK >> Front lifting sensor is OK.
NG >> GO TO 2.

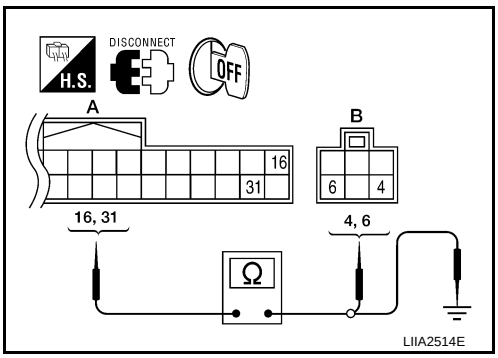
2.CHECK FRONT LIFTING SENSOR HARNESS CONTINUITY 1

1. Disconnect driver seat control unit and front lifting motor.
2. Check continuity between driver seat control unit connector B401 (A) terminals 16, 31 and front lifting motor connector B406 (B) terminals 4, 6.

16 - 6 : Continuity should exist.
31 - 4 : Continuity should exist.

3. Check continuity between driver seat control unit connector B401 (A) terminals 16, 31 and ground.

16 - Ground : Continuity should not exist.
31 - Ground : Continuity should not exist.



OK or NG

OK >> GO TO 3.

NG >> Repair or replace harness.

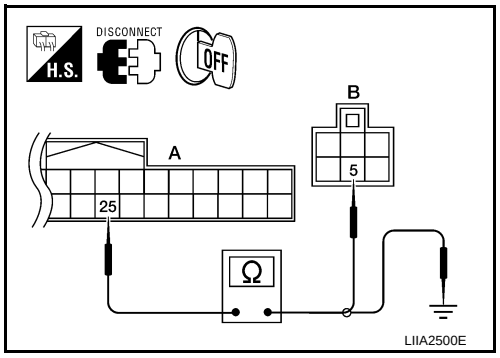
3. CHECK FRONT LIFTING SENSOR HARNESS CONTINUITY

1. Check continuity between driver seat control unit connector B401 (A) terminal 25 and front lifting motor connector B406 (B) terminal 10.

25 - 5 : Continuity should exist.

2. Check continuity between driver seat control unit connector B401 (A) terminal 25 and ground.

25 - Ground : Continuity should not exist.



OK or NG

OK >> Replace front lifting motor. Refer to SE-85.
NG >> Repair or replace harness.

REAR LIFTING SENSOR CIRCUIT INSPECTION

1. CHECK REAR LIFTING SENSOR INPUT/OUTPUT SIGNAL

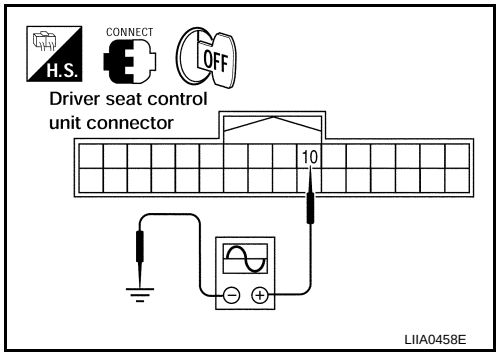
With CONSULT-III

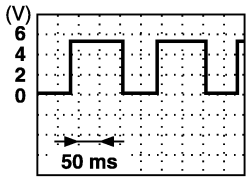
Check operation with “LIFT RR PULSE” on the DATA MONITOR to make sure pulse changes.

Monitor item [OPERATION or UNIT		
LIFT RR PULSE	—	The rear lifting position (pulse) judged from the rear lifting sensor is displayed.

Without CONSULT-III

1. Turn ignition switch OFF.
2. Check signal between driver seat control unit connector and ground, with oscilloscope.



Connector	Terminals (+)	Terminals (-)	Condition	Signal
B401	10	Ground	Rear lifting motor operation	

PIIA3278E

OK or NG

OK >> Rear lifting sensor circuit is OK.
NG >> GO TO 2.

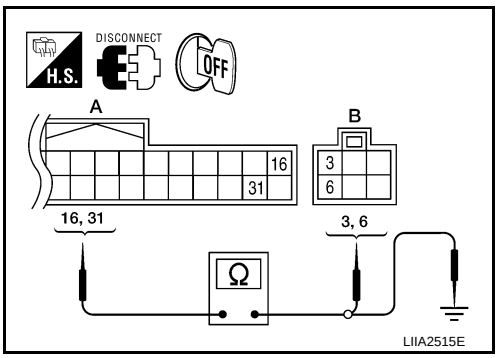
2. CHECK REAR LIFTING SENSOR HARNESS CONTINUITY 1

1. Disconnect driver seat control unit and rear lifting motor.
2. Check continuity between driver seat control unit connector B401 (A) terminals 16, 31 and rear lifting motor connector B407 (B) terminals 3, 6.

16 - 6 : Continuity should exist.
31 - 3 : Continuity should exist.

3. Check continuity between driver seat control unit connector B401 (A) terminals 16, 31 and ground.

16 - Ground : Continuity should not exist.
31 - Ground : Continuity should not exist.



OK or NG

OK >> GO TO 3.
NG >> Repair or replace harness.

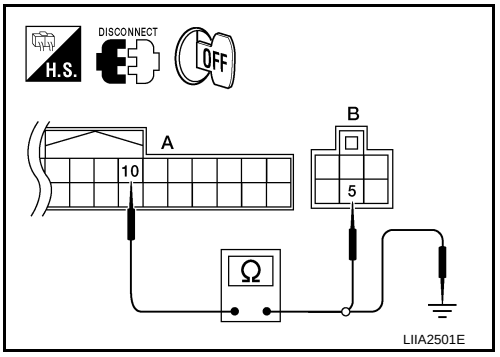
3. CHECK REAR LIFTING SENSOR HARNESS CONTINUITY 2

1. Check continuity between driver seat control unit connector B401 (A) terminal 10 and rear lifting motor connector B407 (B) terminal 5.

10 - 5 : Continuity should exist.

2. Check continuity between driver seat control unit connector B401 (A) terminal 10 and ground.

10 - Ground : Continuity should not exist.



OK or NG

OK >> Replace rear lifting motor. Refer to SE-85.
NG >> Repair or replace harness.

MIRROR SENSOR LH CIRCUIT INSPECTION

1. CHECK MIRROR SENSOR LH INPUT/OUTPUT SIGNAL

With CONSULT-III

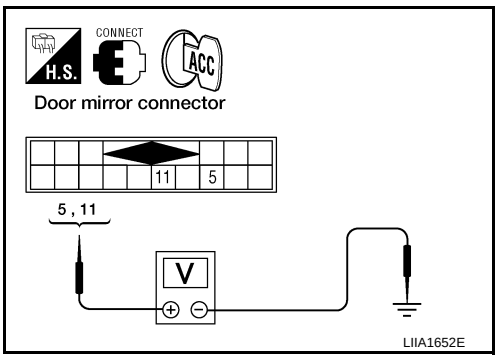
Check operation with “MIR/SEN LH R-L, MIR/SEN LH U-D” on the DATA MONITOR to make sure pulse changes.

Monitor item [OPERATION or UNIT		
MIR/SEN LH R-L	"V"	Voltage output from LH door mirror sensor (LH/RH) is displayed.
MIR/SEN LH U-D	"V"	Voltage output from LH door mirror sensor (UP/DOWN) is displaced.

Without CONSULT-III

1. Turn ignition switch to ACC.
2. Check voltage between door mirror LH connector and ground.

Connector	Terminals (+)	Terminals (-)	Condition	Voltage (V) (Approx.)
D4	5	Ground	When motor is UP or DOWN operation	Changes between 3.4 - 0.6
	11		When motor is LEFT or RIGHT operation	Changes between 3.4 - 0.6



OK or NG

OK >> Mirror sensor LH circuit is OK.
NG >> GO TO 2.

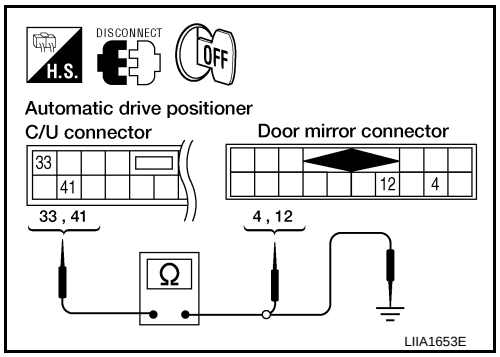
2.CHECK HARNESS CONTINUITY 1

1. Turn ignition switch OFF.
2. Disconnect automatic drive positioner control unit and door mirror LH.
3. Check continuity between automatic drive positioner control unit connector M42 terminals 33, 41 and door mirror LH connector D4 terminals 4, 12.

33 - 4 : Continuity should exist.
41 - 12 : Continuity should exist.

4. Check continuity between driver seat control unit connector M42 terminals 33, 41 and ground.

33 - Ground : Continuity should not exist.
41 - Ground : Continuity should not exist.



OK or NG

OK >> GO TO 3.
NG >> Repair or replace harness.

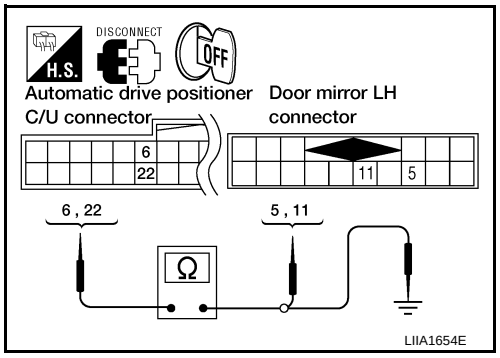
3.CHECK HARNESS CONTINUITY 2

1. Check continuity between automatic drive positioner control unit connector M41 terminals 6, 22 and door mirror LH connector D4 terminals 5, 11.

6 - 5 : Continuity should exist.
22 - 11 : Continuity should exist.

2. Check continuity between driver seat control unit connector M41 terminals 6, 22 and ground.

6 - Ground : Continuity should not exist.
22 - Ground : Continuity should not exist.



OK or NG

OK >> Replace door mirror LH. Refer to GW-100, "Door Mirror Assembly".
NG >> Repair or replace harness.

MIRROR SENSOR RH CIRCUIT INSPECTION

1.CHECK MIRROR SENSOR RH INPUT/OUTPUT SIGNAL

With CONSULT-III

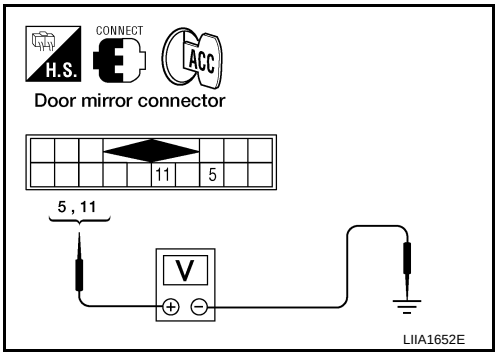
Check operation with “MIR/SEN RH R-L, MIR/SEN RH U-D” on the DATA MONITOR to make sure pulse changes.

Monitor item [OPERATION or UNIT		
MIR/SEN RH R-L	"V"	Voltage output from RH door mirror sensor (RH/RH) is displayed.
MIR/SEN RH U-D	"V"	Voltage output from RH door mirror sensor (UP/DOWN) is displaced.

Without CONSULT-III

1. Turn ignition switch to ACC.
2. Check voltage between door mirror RH connector and ground.

Connector	Terminals (+)	Terminals (-)	Condition	Voltage (V) (Approx.)
D107	5	Ground	When motor is UP or DOWN operation	Changes between 3.4 - 0.6
	11		When motor is LEFT or RIGHT operation	Changes between 3.4 - 0.6



OK or NG

OK >> Mirror sensor RH circuit is OK.
NG >> GO TO 2.

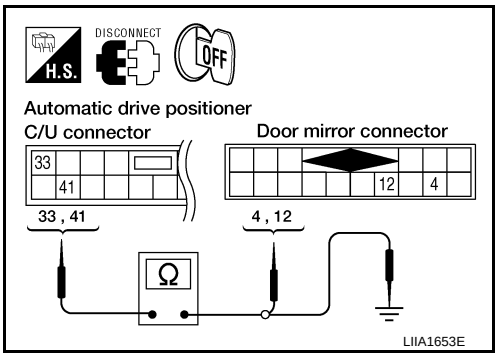
2.CHECK HARNESS CONTINUITY 1

1. Turn ignition switch OFF.
2. Disconnect automatic drive positioner control unit and door mirror RH.
3. Check continuity between automatic drive positioner control unit connector M42 terminals 33, 41 and door mirror RH connector D107 terminals 4, 12.

33 - 4 : Continuity should exist.
41 - 12 : Continuity should exist.

4. Check continuity between driver seat control unit connector M42 terminals 33, 41 and ground.

33 - Ground : Continuity should not exist.
41 - Ground : Continuity should not exist.



OK or NG

OK >> GO TO 3.
NG >> Repair or replace harness.

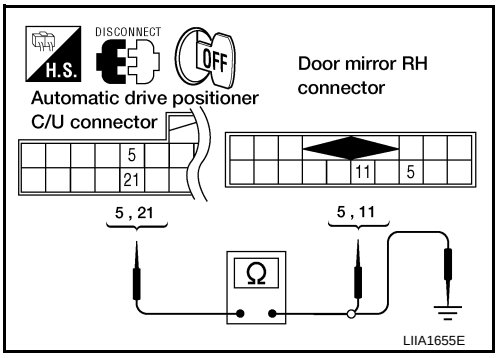
3.CHECK HARNESS CONTINUITY 2

1. Check continuity between automatic drive positioner control unit connector M41 terminals 5, 21 and door mirror RH connector D107 terminals 5, 11.

5 - 5 : Continuity should exist.
21 - 11 : Continuity should exist.

2. Check continuity between driver seat control unit connector M41 terminals 5, 21 and ground.

5 - Ground : Continuity should not exist.
21 - Ground : Continuity should not exist.



OK or NG

OK >> Replace door mirror RH. Refer to GW-100, "Door Mirror Assembly".
NG >> Repair or replace harness.

CVT DEVICE [DETENTION SWITCH (KEY)] CIRCUIT INSPECTION

1.CHECK FUNCTION

With CONSULT-III

Check that when the CVT selector lever is in P position, “DETENT SW” on the DATA MONITOR becomes OFF.

Monitor item [OPERATION or UNIT]		Contents
DETENT SW	"ON/OFF"	The CVT selector lever position "P position (OFF)/other than P position (ON)" judged from the detention switch (key) signal is displayed.

Without CONSULT-III

GO TO 2.

OK or NG

OK >> CVT device [detention switch (key)] circuit is OK.
NG >> GO TO 2.

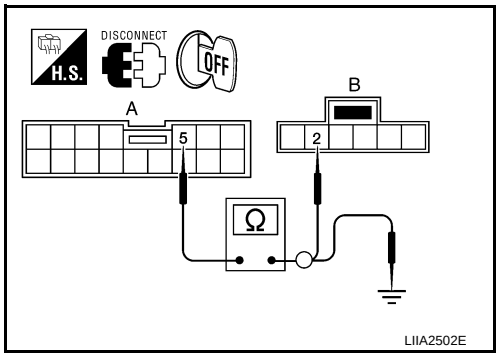
2. CHECK CVT DEVICE [DETENTION SWITCH (KEY)] HARNESS

1. Turn ignition switch OFF.
2. Disconnect CVT device [detention switch (key)] and key switch and ignition knob switch.
3. Check continuity between CVT device [detention switch (key)] connector M34 (A) terminal 5 and key switch and ignition knob switch connector M73 (B) terminal 2.

5 - 2 : Continuity should exist.

4. Check continuity between CVT device [detention switch (key)] connector M34 (A) terminal 5 and ground.

5 - Ground : Continuity should not exist.



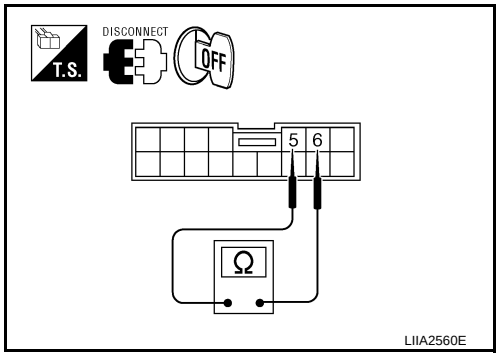
OK or NG

OK >> GO TO 3.
NG >> Repair or replace harness.

3. CHECK CVT DEVICE [DETENTION SWITCH (KEY)

Check continuity between CVT device terminals as follows.

Terminals		Condition	Continuity
5	6	P position	Yes
		Other than P position	No



OK or NG

OK >> GO TO 4.
NG >> Replace CVT device.

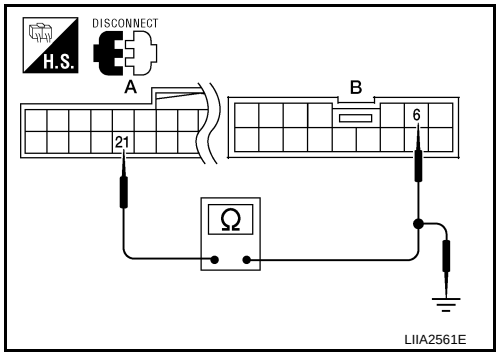
4. CHECK CVT DEVICE [DETENTION SWITCH (KEY)] SIGNAL HARNESS

1. Disconnect driver seat control unit.
2. Check continuity between driver seat control unit connector P2 terminal 21 and CVT device [detention switch (key)] connector M34 terminal 6.

21 - 6 : Continuity should exist.

3. Check continuity between driver seat control unit connector P2 terminal 21 and ground.

21 - Ground : Continuity should not exist.



OK or NG

OK >> Replace driver seat control unit. Refer to SE-85.
NG >> Repair or replace harness.

TELESCOPIC SENSOR CIRCUIT INSPECTION

1.CHECK FUNCTION

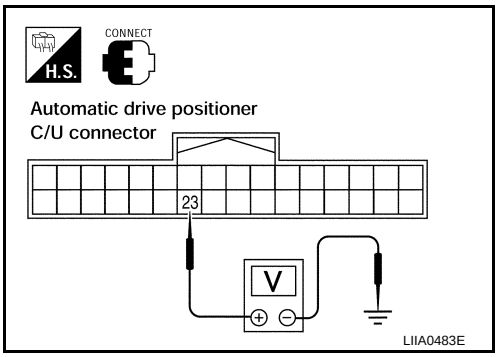
With CONSULT-III

Operate the ADP steering switch with “TELESCO SEN” on the DATA MONITOR to make sure the voltage changes.

Monitor item [OPERATION or UNIT]		Contents
TELESCO SEN	“V”	The telescopic position (voltage) judged from the telescopic sensor signal is displayed.

Without CONSULT-III

1. Turn ignition switch OFF.
2. Check voltage between automatic drive positioner connector and ground.



Connector	Terminals		Condition	Voltage (V) (Approx.)
	(+)	(-)		
M41	23	Ground	Telescopic front end position	2
			Telescopic back end position	4

OK or NG

OK >> Telescopic sensor circuit is OK.
NG >> GO TO 2.

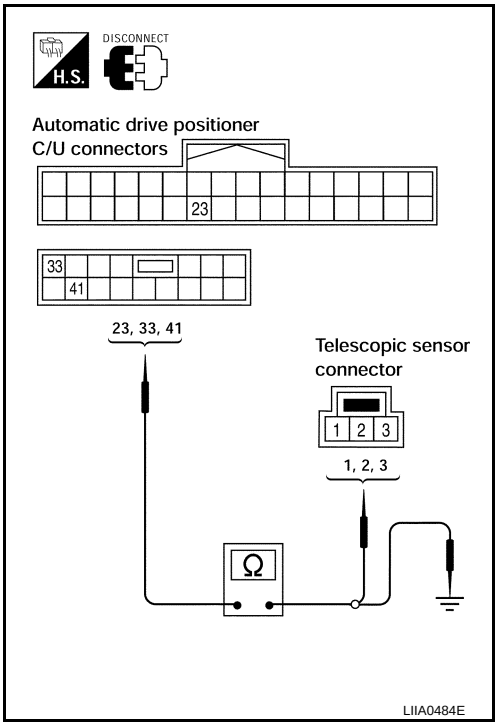
2.CHECK HARNESS CONTINUITY

1. Disconnect automatic drive positioner control unit and steeing wheel telescopic sensor.
2. Check continuity between automatic drive positioner connector M41, M42 terminals 23, 33, 41 and telescopic sensor connector M67 terminals 1, 2, 3.

23 - 2 : Continuity should exist.
33 - 1 : Continuity should exist.
41 - 3 : Continuity should exist.

3. Check continuity between automatic drive positioner control unit connectors M41, M42 terminals 23, 33, 41 and ground.

23 - Ground : Continuity should not exist.
33 - Ground : Continuity should not exist.
41 - Ground : Continuity should not exist.



OK or NG

OK >> Replace telescopic motor.
NG >> Repair or replace harness.

TILT SENSOR CIRCUIT INSPECTION

1.CHECK FUNCTION

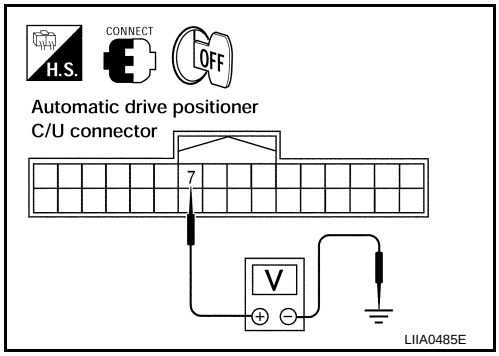
With CONSULT-III

Operate the ADP steering switch with “TILT SEN” on the DATA MONITOR to make sure the voltage changes.

Monitor item [OPERATION or UNIT]		Contents
TILT SEN	"V"	The tilt position (voltage) judged from the tilt sensor signal is displayed.

Without CONSULT-III

1. Turn ignition switch OFF.
2. Check voltage between automatic drive positioner connector and ground.



Connector	Terminals (+)	Terminals (-)	Condition	Voltage (V) (Approx.)
M41	7	Ground	Tilt top position	2
			Tilt down position	4

OK or NG

OK >> Tilt sensor circuit is OK.
NG >> GO TO 2.

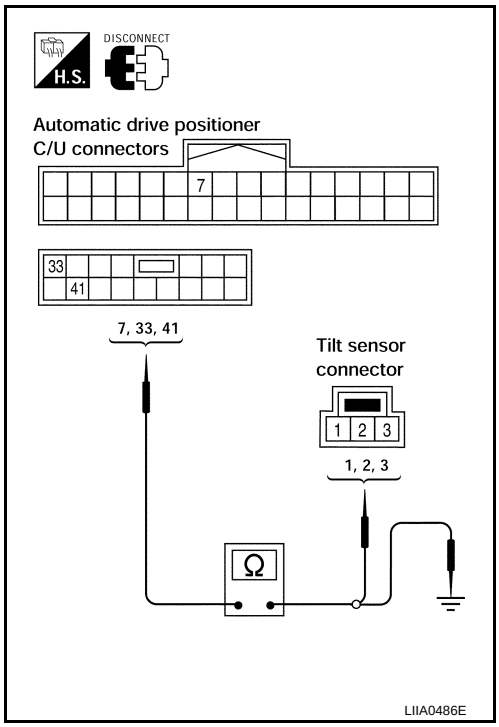
2.CHECK HARNESS CONTINUITY

1. Disconnect automatic drive positioner control unit and tilt sensor.
2. Check continuity between automatic drive positioner connector M41, M42 terminals 7, 33, 41 and tilt sensor connector M69 terminals 1, 2, 3.

7 - 2 : Continuity should exist.
33 - 3 : Continuity should exist.
41 - 1 : Continuity should exist.

3. Check continuity between automatic drive positioner control unit connectors M41, M42 terminals 7, 33, 41 and ground.

7 - Ground : Continuity should not exist.
33 - Ground : Continuity should not exist.
41 - Ground : Continuity should not exist.



OK or NG

OK >> Replace tilt motor.
NG >> Repair or replace harness.

KEY SWITCH AND IGNITION KNOB SWITCH CIRCUIT INSPECTION

1.CHECK KEY SWITCH AND IGNITION KNOB SWITCH

With CONSULT-III

With "KEY SW" on the DATA MONITOR, Check ON/OFF operation.

Monitor item [OPERATION or UNIT]	Condition
KEY SW	Insert mechanical key into ignition switch: ON
	Remove mechanical key from ignition switch: OFF

Without CONSULT-III

GO TO 2.

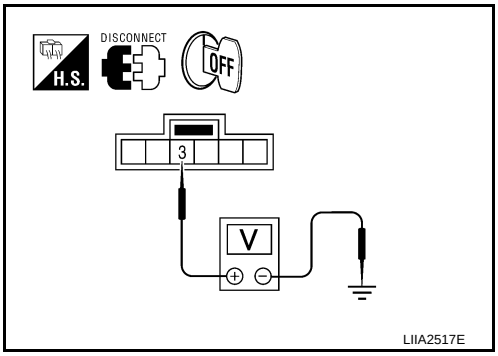
OK or NG

OK >> Key switch and ignition knob switch circuit is OK.
NG >> GO TO 2.

2.KEY SWITCH AND IGNITION KNOB SWITCH POWER SUPPLY CIRCUIT INSPECTION

1. Turn ignition switch OFF.
2. Disconnect key switch and ignition knob switch.
3. Check voltage between key switch and ignition knob switch connector M73 terminal 3 and ground.

3 - Ground : Battery voltage.



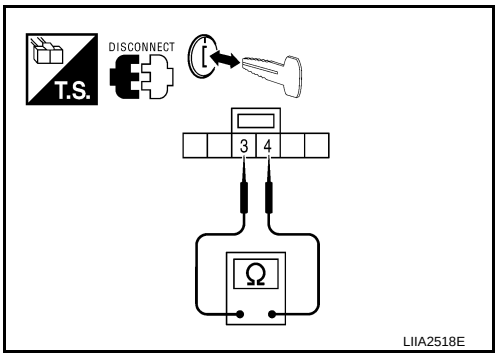
OK or NG

OK >> GO TO 3.
NG >> Check harness between key switch and ignition knob switch and fuse.

3.CHECK KEY SWITCH AND IGNITION KNOB SWITCH

Check continuity between key switch and ignition knob switch terminals as follows.

Terminals		Condition	Continuity
3	4	Key is inserted in ignition key cylinder.	Yes
		Key is removed from ignition key cylinder.	No



OK or NG

OK >> GO TO 4.
NG >> Replace key switch and ignition knob switch.

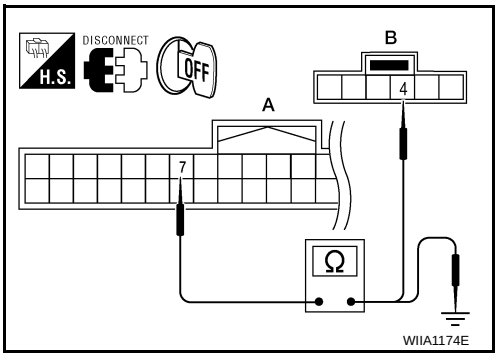
4.CHECK HARNESS CONTINUITY 1

1. Disconnect key switch and ignition knob switch and intelligent key control unit.
2. Check continuity between key switch and ignition knob switch connector M73 (A) terminal 4 and intelligent key control unit connector M52 terminal 7.

4 - 7 : Continuity should exist.

3. Check continuity between key switch and key lock solenoid connector M27 terminal 4 and ground.

4 - Ground : Continuity should not exist.



OK or NG

OK >> Check the condition of harness and harness connector.
NG >> Repair or replace harness.

FRONT DOOR SWITCH LH CIRCUIT INSPECTION

1.CHECK DOOR SWITCH INPUT SIGNAL

With CONSULT-III

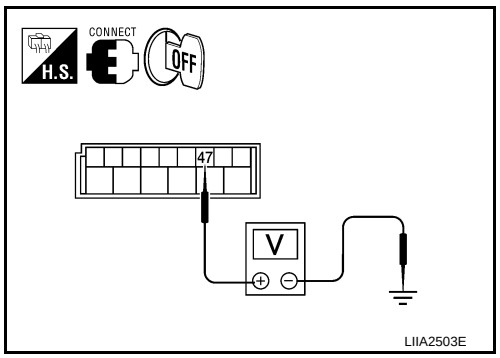
Check door switch (“DOOR SW-DR”) in “DATA MONITOR” mode with CONSULT-III.

Monitor item	Condition
DOOR SW-DR	OPEN: ON
	CLOSE: OFF

Without CONSULT-III

Check voltage between BCM connector and ground.

Item	Connector	Terminals (+)	Terminals (-)	Condition	Voltage (V) (Approx.)
Front door switch LH	M19	47	Ground	OPEN	0
				CLOSE	Battery voltage



OK or NG

OK >> Front door switch LH is OK.
NG >> GO TO 2.

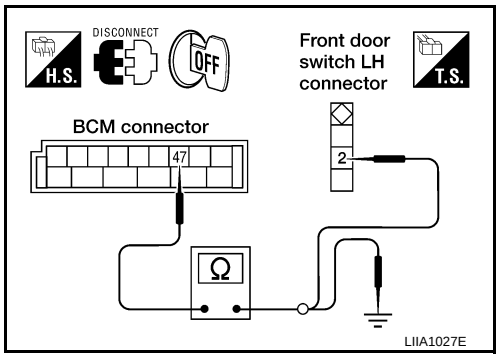
2.CHECK FRONT DOOR SWITCH LH CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect front door switch LH and BCM.
3. Check continuity between front door switch LH connector B8 terminal 2 and BCM connector M19 terminal 47.

2 - 47 : Continuity should exist.

4. Check continuity between door switch LH connector B8 terminal 2 and ground.

2 - Ground : Continuity should not exist.



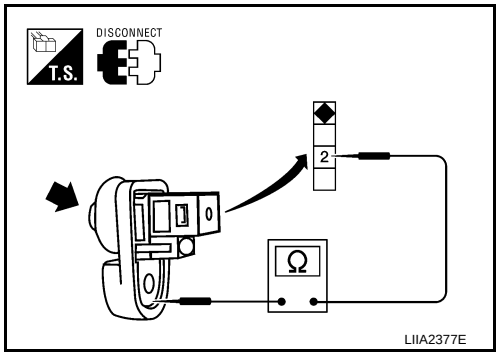
OK or NG

OK >> GO TO 3.
NG >> Repair or replace harness.

3.CHECK FRONT DOOR SWITCH LH

Check continuity between front door switch LH terminal 2 and body ground part of door switch.

Terminal		Door switch	Continuity
2	Body ground part of door switch	Pushed	No
		Released	Yes



OK or NG

OK >> Further inspection is necessary. Refer to symptom chart.
NG >> Replace front door switch LH.

SEAT MEMORY SWITCH CIRCUIT INSPECTION

1.CHECK FUNCTION

With CONSULT-III

With “SET SW, MEMORY SW1, MEMORY SW2” on the DATA MONITOR, operate the switch to check ON/OFF operation.

Monitor item [OPERATION or UNIT]		Contents
MEMORY SW1	“ON/OFF”	ON/OFF status judged from the seat memory switch 1 signal is displayed.
MEMORY SW2	“ON/OFF”	ON/OFF status judged from the seat memory switch 2 signal is displayed.
SET SW	“ON/OFF”	ON/OFF status judged from the setting switch signal is displayed.

Without CONSULT-III

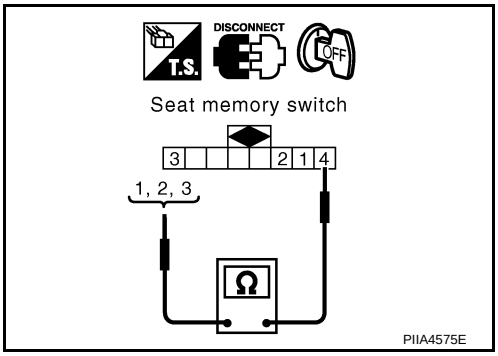
GO TO 2.

OK or NG

OK >> Seat memory switch circuit is OK.
NG >> GO TO 2.

2.CHECK SEAT MEMORY SWITCH

1. Turn ignition switch OFF.
2. Disconnect seat memory switch.
3. Operate the setting switch and memory switch.
4. Check continuity between seat memory switch terminals as follows.



Terminal		Condition	Continuity
(+)	(-)		
3	4	Set switch: ON	Yes
		Set switch: OFF	No
2		Memory switch 1 ON	Yes
		Memory switch 1: OFF	No
1		Memory switch 2: ON	Yes
		Memory switch 2: OFF	No

OK or NG

OK >> GO TO 3.
NG >> Replace seat memory switch.

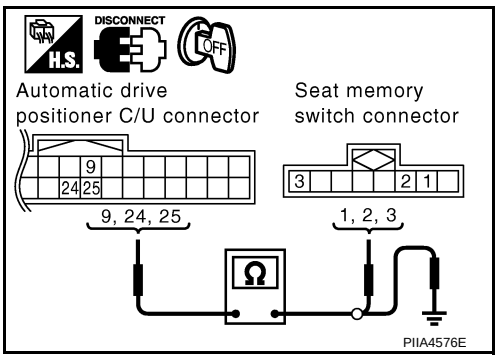
3.CHECK HARNESS CONTINUITY

1. Disconnect automatic drive positioner control unit.
2. Check continuity between automatic drive positioner control unit connector M41 terminals 9, 24, 25 and seat memory switch connector D5 terminals 1, 2, 3.

9 - 1 : Continuity should exist.
24 - 3 : Continuity should exist.
25 - 2 : Continuity should exist.

3. Check continuity between automatic drive positioner control unit connector M41 terminals 9, 24, 25 and ground.

9 - Ground : Continuity should not exist.
24 - Ground : Continuity should not exist.
25 - Ground : Continuity should not exist.



OK or NG

OK >> GO TO 4.
NG >> Repair or replace harness.

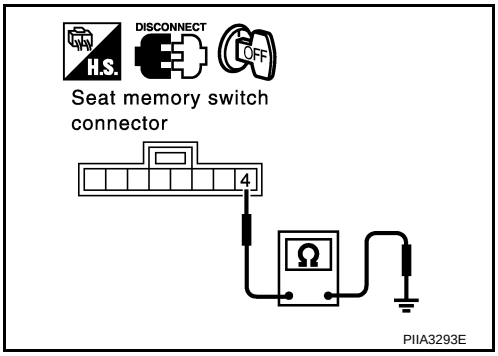
4.CHECK SEAT MEMORY SWITCH GROUND CIRCUIT

Check continuity between seat memory switch D5 terminal 4 and ground.

4 - Ground : Continuity should exist.

OK or NG

OK >> Replace automatic drive positioner control unit.
NG >> Repair or replace harness.



SLIDING SWITCH LH CIRCUIT INSPECTION

1.CHECK FUNCTION

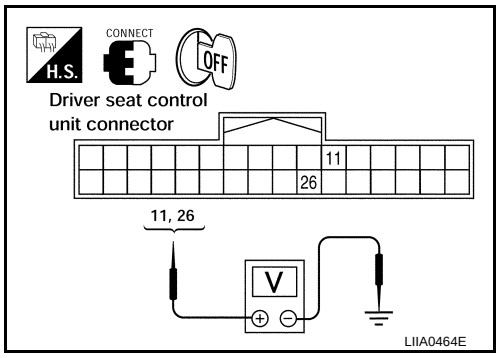
With CONSULT-III

With “SLIDE SW-FR, SLIDE SW-RR” on the DATA MONITOR, operate the sliding switch LH to check ON/OFF operation.

Monitor item [OPERATION or UNIT]		Contents
SLIDE SW-FR	"ON/ OFF"	ON/OFF status judged from the sliding switch LH (FR) signal is displayed.
SLIDE SW-RR	"ON/ OFF"	ON/OFF status judged from the sliding switch LH (RR) signal is displayed.

Without CONSULT-III

1. Turn ignition switch OFF.
2. Check voltage between driver seat control unit connector and ground.



Connector	Terminal (+)	Terminal (-)	Condition	Voltage (V) (Approx.)
B401	11	Ground	Sliding switch LH ON (BACKWARD operation)	0
			Other than above	Battery voltage
	26		Sliding switch LH ON (FORWARD operation)	0
			Other than above	Battery voltage

OK or NG

OK >> Sliding switch LH circuit is OK.
NG >> GO TO 2.

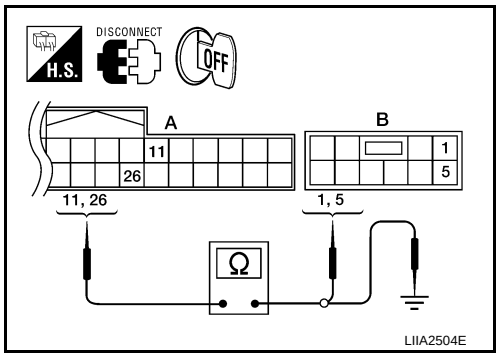
2.CHECK POWER SEAT SWITCH LH HARNESS CONTINUITY

1. Disconnect driver seat control unit and power seat switch LH.
2. Check continuity between driver seat control unit connector B401 (A) terminals 11, 26 and power seat switch LH connector B408 terminals 1, 5.

11 - 1 : Continuity should exist.
26 - 5 : Continuity should exist.

3. Check continuity between driver seat control unit connector B401 (A) terminals 11, 26 and ground.

11 - Ground : Continuity should not exist.
26 - Ground : Continuity should not exist.

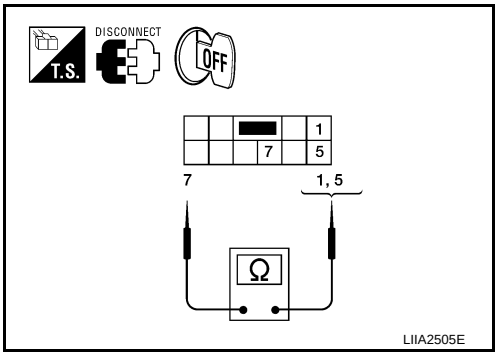


OK or NG

OK >> GO TO 3.
NG >> Repair or replace harness.

3.CHECK SLIDING SWITCH LH

Check continuity between power seat switch LH terminals as follows.



Terminal		Condition	Continuity
1	9	Sliding switch LH ON (FORWARD operation)	Yes
		Other than above	No
2		Sliding switch LH ON (BACKWARD operation)	Yes
		Other than above	No

OK or NG

OK >> Check the condition of the harness and connector.
NG >> Replace power seat switch LH. Refer to SE-85.

RECLINING SWITCH LH INSPECTION

1. CHECK FUNCTION

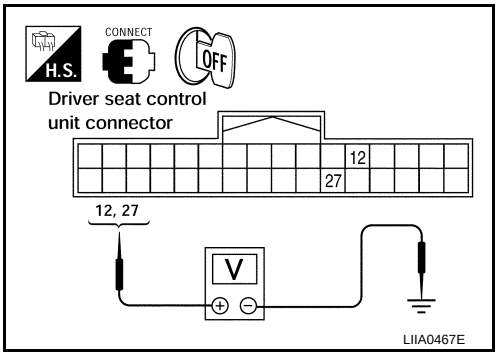
With CONSULT-III

With “RECLN SW-FR, RECLN SW-RR” on the DATA MONITOR, operate the reclining switch LH to check ON/OFF operation.

Monitor item [OPERATION or UNIT]		Contents
RECLN SW-FR	“ON/OFF”	ON/OFF status judged from the reclining switch LH (FR) signal is displayed.
RECLN SW-RR	“ON/OFF”	ON/OFF status judged from the reclining switch LH (RR) signal is displayed.

Without CONSULT-III

1. Turn ignition switch OFF.
2. Check voltage between driver seat control unit connector and ground.



Connector	Terminal (+)	Terminal (-)	Condition	Voltage (V) (Approx.)
B401	12	Ground	Reclining switch LH ON (BACKWARD operation)	0
			Other than above	Battery voltage
	27		Reclining switch LH ON (FORWARD operation)	0
			Other than above	Battery voltage

OK or NG

OK >> Reclining switch circuit is OK.
NG >> GO TO 2.

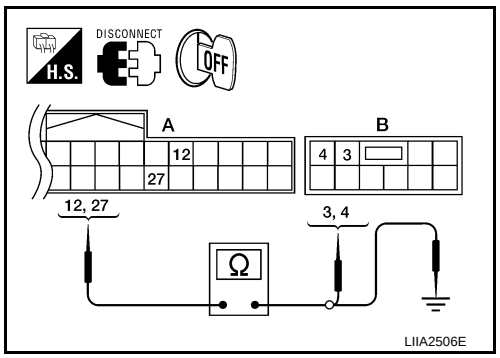
2. CHECK HARNESS CONTINUITY

1. Disconnect driver seat control unit and power seat switch LH.
2. Check continuity between driver seat control unit connector B401 (A) terminals 12, 27 and power seat switch LH connector B408 (B) terminals 3, 4.

12 - 3 : Continuity should exist.
27 - 4 : Continuity should exist.

3. Check continuity between driver seat control unit connector B401 (A) terminals 12, 27 and ground.

12 - Ground : Continuity should not exist.
27 - Ground : Continuity should not exist.



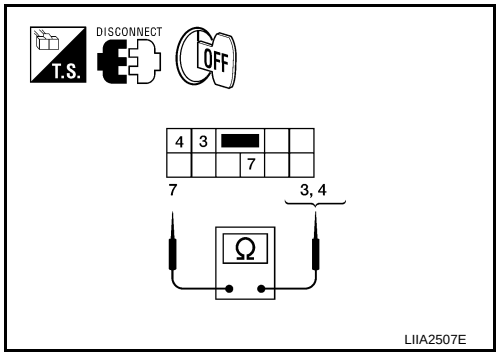
OK or NG

OK >> GO TO 3.
NG >> Repair or replace harness.

3. RECLINING SWITCH INSPECTION

Check continuity between power seat switch LH terminals as follows.

Terminal		Condition	Continuity
4	7	Reclining switch LH ON (BACKWARD operation)	Yes
		Other than above	No
3		Reclining switch LH ON (FORWARD operation)	Yes
		Other than above	No



OK or NG

OK >> Check the condition of the harness and connector.
NG >> Replace power seat switch LH. Refer to SE-85.

FRONT LIFTING SWITCH CIRCUIT INSPECTION

1. CHECK FUNCTION

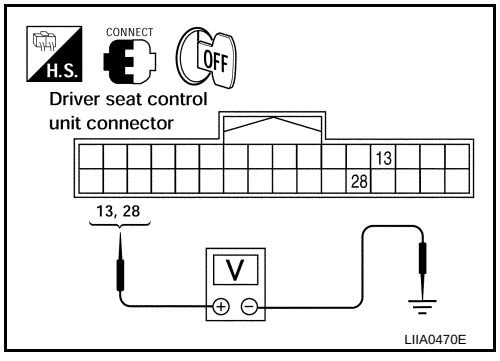
With CONSULT-III

With “LIFT FR SW-UP, LIFT FR SW-DN” on the DATA MONITOR, operate the front lifting switch to check ON/OFF operation.

Monitor item [OPERATION or UNIT]		Contents
LIFT FR SW-DN	"ON/OFF"	ON/OFF status judged from the FR lifting switch (DOWN) signal is displayed.
LIFT RR SW-UP	"ON/OFF"	ON/OFF status judged from the RR lifting switch (UP) signal is displayed.

Without CONSULT-III

1. Turn ignition switch OFF.
2. Check voltage between driver seat control unit connector and ground.



Connector	Terminals (+)	Terminals (-)	Condition	Voltage (V) (Approx.)
B401	13	Ground	Front lifting switch ON (DOWN operation)	0
			Other than above	Battery voltage
	28		Front lifting switch ON (UP operation)	0
			Other than above	Battery voltage

OK or NG

OK >> Front lifting switch circuit is OK.
NG >> GO TO 2.

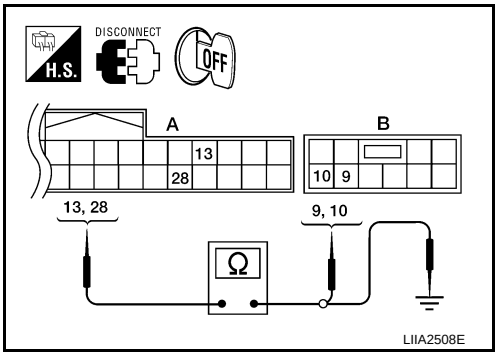
2.CHECK POWER SEAT SWITCH HARNESS CONTINUITY

1. Disconnect driver seat control unit and power seat switch LH.
2. Check continuity between driver seat control unit connector B401 (A) terminals 13, 28 and power seat switch LH connector B408 (B) terminals 9, 10.

13 - 9 : Continuity should exist.
28 - 10 : Continuity should exist.

3. Check continuity between driver seat control unit connector B401 (A) terminals 13, 28 and ground

13 - Ground : Continuity should not exist.
28 - Ground : Continuity should not exist.



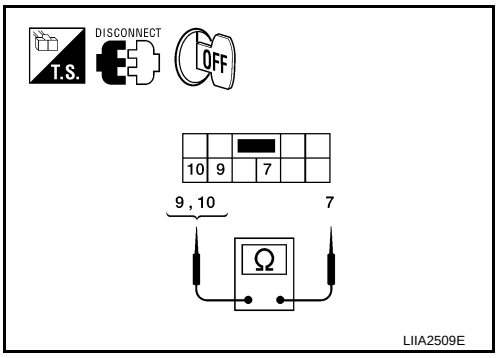
OK or NG

OK >> GO TO 3.
NG >> Repair or replace harness.

3.CHECK FRONT LIFTING SWITCH

Check continuity between power seat switch LH terminals as follows.

Terminals		Condition	Continuity
9	7	Front lifting switch ON (UP operation)	Yes
		Other than above	No
10		Front lifting switch ON (DOWN operation)	Yes
		Other than above	No



OK or NG

OK >> Check the condition of the harness and connector.
NG >> Replace power seat switch LH. Refer to SE-85.

REAR LIFTING SWITCH CIRCUIT INSPECTION

1.CHECK FUNCTION

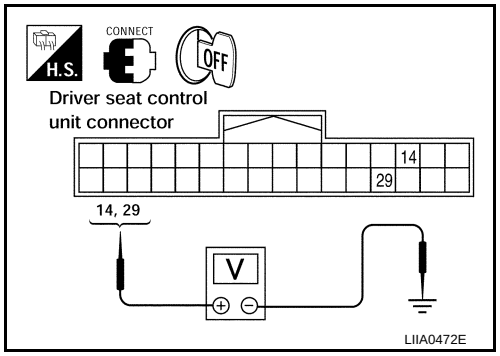
With CONSULT-III

With “LIFT RR SW-UP, LIFT RR SW-DN” on the DATA MONITOR, operate the rear lifting switch to check ON/OFF operation.

Monitor item [OPERATION or UNIT]		Contents
LIFT RR SW-UP	“ON/OFF”	Operation (ON)/open (OFF) status judged from the RR lifting switch (UP) signal is displayed.
LIFT RR SW-DN	“ON/OFF”	Operation (ON)/open (OFF) status judged from the RR lifting switch (DOWN) signal is displayed.

Without CONSULT-III

1. Turn ignition switch OFF.
2. Check voltage between driver seat control unit connector and ground.



Connector	Terminals (+)	Terminals (-)	Condition	Voltage (V) (Approx.)
B401	14	Ground	Rear lifting switch ON (DOWN operation)	0
			Other than above	Battery voltage
	29		Rear lifting switch ON (UP operation)	0
			Other than above	Battery voltage

OK or NG

OK >> Rear seat lifting switch circuit is OK.
NG >> GO TO 2.

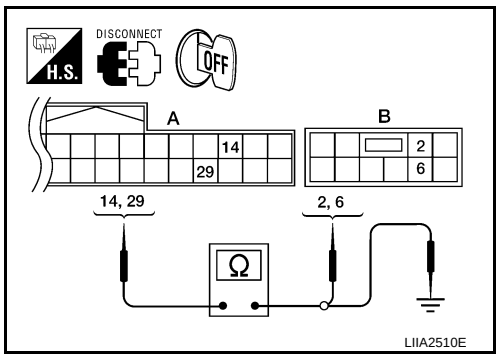
2. CHECK POWER SEAT SWITCH HARNESS CONTINUITY

1. Disconnect driver seat control unit and power seat switch LH.
2. Check continuity between driver seat control unit connector B401 (A) terminals 14, 29 and power seat switch LH connector B408 (B) terminals 2, 6.

14 - 2 : Continuity should exist.
29 - 6 : Continuity should exist.

3. Check continuity between driver seat control unit connector B401 (A) terminals 14, 29 and ground.

14 - Ground : Continuity should not exist.
29 - Ground : Continuity should not exist.

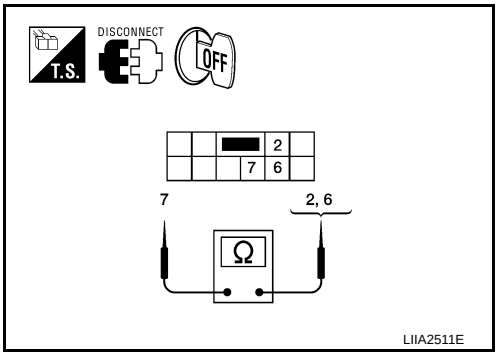


OK or NG

OK >> GO TO 3.
NG >> Repair or replace harness.

3. CHECK REAR LIFTING SWITCH

Check continuity between power seat switch LH terminals as follows.



Terminals		Condition	Continuity
2	7	Rear lifting switch ON (DOWN operation)	Yes
		Other than above	No
6		Rear lifting switch ON (UP operation)	Yes
		Other than above	No

OK or NG

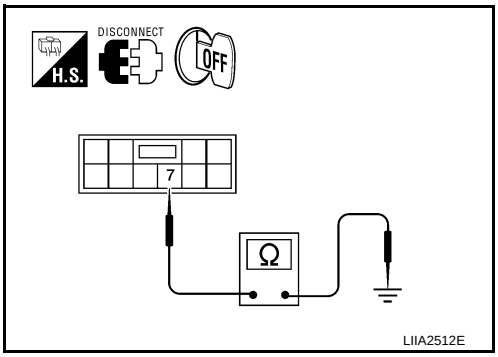
OK >> Check the condition of the harness and connector.
NG >> Replace power seat switch LH. Refer to SE-85.

POWER SEAT SWITCH LH GROUND INSPECTION

1.CHECK POWER SEAT SWITCH LH GROUND CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect power seat switch LH.
3. Check continuity between power seat switch LH connector B408 terminal 7 and ground.

7 - Ground : Continuity should exist.



OK or NG

OK >> Check the condition of the harness and connector.
NG >> Repair or replace harness.

DOOR MIRROR REMOTE CONTROL SWITCH (CHANGEOVER SWITCH) CIRCUIT CHECK

1.CHECK FUNCTION

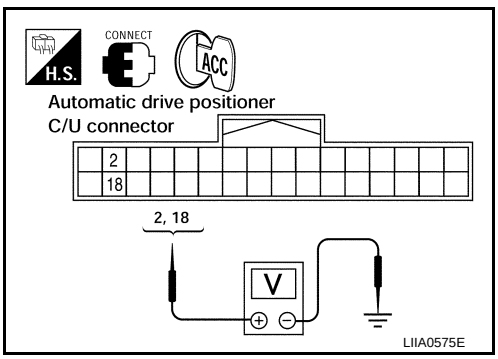
With CONSULT-III

Check operation with “MIR CHNG SW-R, MIR CHNG SW-L” on the DATA MONITOR to make sure pulse changes.

Monitor item [OPERATION or UNIT]		Contents
MIR CHNG SW-R	"ON/OFF"	ON/OFF status judged from the door mirror remote control switch (switching to RIGHT) signal is displayed.
MIR CHNG SW-L	"ON/OFF"	ON/OFF status judged from the door mirror remote control switch (switching to LEFT) signal is displayed.

Without CONSULT-III

1. Turn ignition switch to ACC.
2. Check voltage between automatic drive positioner control unit connector and ground.



Connector	Terminals (+)	Terminals (-)	Condition	Voltage (V) (Approx.)
M41	2	Ground	Changeover switch RIGHT position	0
			Other than above	5
	18		Changeover switch LEFT position	0
			Other than above	5

OK or NG

OK >> Door mirror remote control switch (changeover switch) circuit is OK.
NG >> GO TO 2.

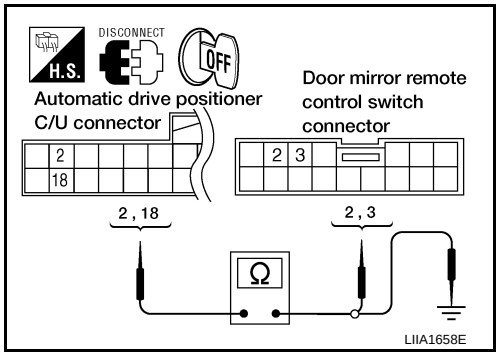
2.CHECK DOOR MIRROR REMOTE CONTROL SWITCH CIRCUIT HARNESS CONTINUITY

1. Turn ignition switch OFF.
2. Disconnect automatic drive positioner control unit and door mirror remote control switch.
3. Check continuity between automatic drive positioner control unit connector M41 terminals 2, 18 and door mirror remote control swich connector M7 terminals 2, 3.

2 - 3 : Continuity should exist.
18 - 2 : Continuity should exist.

4. Check continuity between automatic drive positioner control unit connector M41 terminals 2, 18 and ground.

2 - Ground : Continuity should not exist.
18 - Ground : Continuity should not exist.



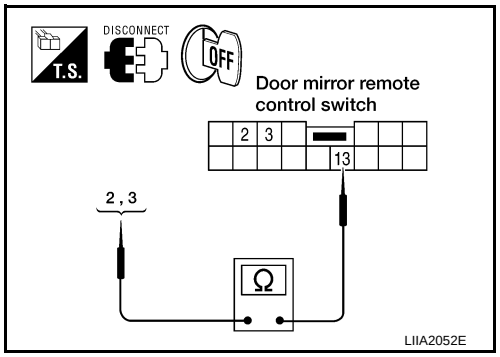
OK or NG

OK >> GO TO 3.
NG >> Repair or replace harness.

3.CHECK DOOR MIRROR REMOTE CONTROL SWITCH (CHANGEOVER SWITCH)

Check continuity between door mirror remote control switch terminals as follows.

Terminals		Condition	Continuity
2	13	Changeover switch LEFT position	Yes
		Other than above	No
3		Changeover switch RIGHT position	Yes
		Other than above	No



OK or NG

OK >> Check the condition of the harness and the connector.
NG >> Replace door mirror remote control switch.

DOOR MIRROR REMOTE CONTROL SWITCH (MIRROR SWITCH) CIRCUIT CHECK

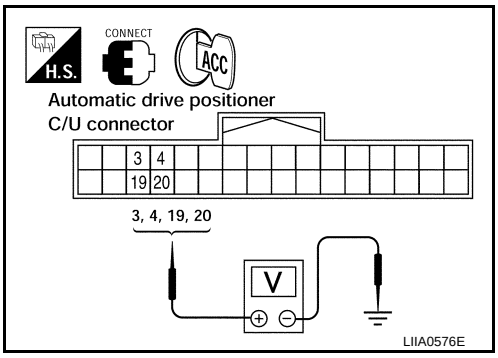
1.CHECK FUNCTION

With CONSULT-III
Check operation with "MIR CON SW-UP/DN, MIR CON SW-RH/LH" on the DATA MONITOR to make sure pulse changes.

Monitor item [OPERATION or UNIT]		Contents
MIR CON SW-UP	"ON/OFF"	ON/OFF status judged from the door mirror remote control switch (UP) signal is displayed.
MIR CON SW-DN	"ON/OFF"	ON/OFF status judged from the door mirror remote control switch (DOWN) signal is displayed.
MIR CON SW-RH	"ON/OFF"	ON/OFF status judged from the door mirror remote control switch (RIGHT) signal is displayed.
MIR CON SW-LH	"ON/OFF"	ON/OFF status judged from the door mirror remote control switch (LEFT) signal is displayed.

Without CONSULT-III

1. Turn ignition switch to ACC.
2. Check voltage between automatic drive positioner control unit connector and ground.



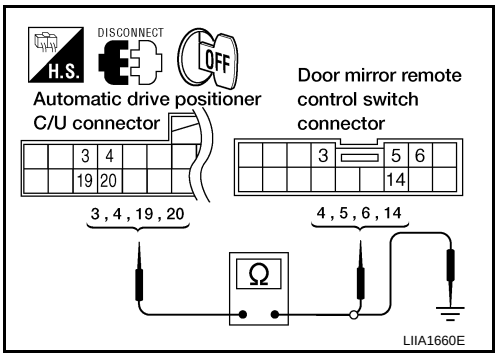
Connector	Terminals (+)	Terminals (-)	Condition	Voltage (V) (Approx.)
M41	3	Ground	Mirror switch UP operation	0
			Other than above	5
	4		Mirror switch LEFT operation	0
			Other than above	5
	19		Mirror switch DOWN operation	0
			Other than above	5
	20		Mirror switch RIGHT operation	0
			Other than above	5

OK or NG

OK >> Door mirror remote control switch (mirror switch) circuit is OK.
NG >> GO TO 2.

2. CHECK DOOR MIRROR REMOTE CONTROL SWITCH CIRCUIT HARNESS CONTINUITY

1. Turn ignition switch OFF.
2. Disconnect automatic drive positioner control unit and door mirror remote control switch.
3. Check continuity between automatic drive positioner control unit connector M41 terminals 3, 4, 19, 20 and door mirror remote control switch connector M7 terminals 4, 4, 6, 14.



3 - 6 : Continuity should exist.
4 - 5 : Continuity should exist.
19 - 14 : Continuity should exist.
20 - 4 : Continuity should exist.

4. Check continuity between automatic drive positioner control unit connector M41 terminals 3, 4, 19, 20 and ground.

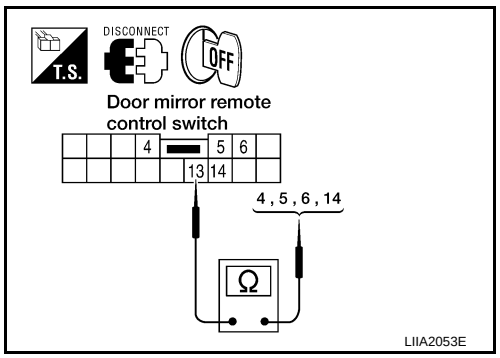
3 - Ground : Continuity should not exist.
4 - Ground : Continuity should not exist.
19 - Ground : Continuity should not exist.
20 - Ground : Continuity should not exist.

OK or NG

OK >> GO TO 3.
NG >> Repair or replace harness.

3. CHECK DOOR MIRROR REMOTE CONTROL SWITCH (MIRROR SWITCH)

Check continuity between door mirror remote control switch terminals as follows.



Terminals		Condition	Continuity
4	13	Mirror switch RIGHT operation	Yes
		Other than above	No
5		Mirror switch LEFT operation	Yes
		Other than above	No
6		Mirror switch UP operation	Yes
		Other than above	No
14		Mirror switch DOWN operation	Yes
		Other than above	No

OK or NG

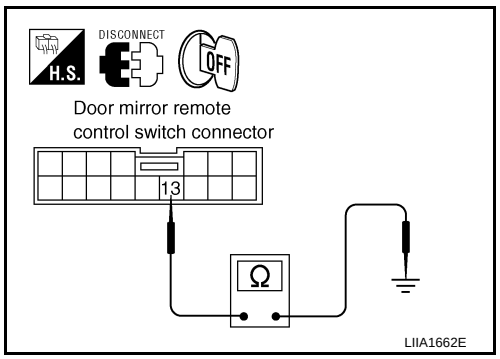
OK >> Check the condition of the harness and the connector.
NG >> Replace door mirror remote control switch.

DOOR MIRROR REMOTE CONTROL SWITCH GROUND CIRCUIT CHECK

1. CHECK DOOR MIRROR REMOTE CONTROL SWITCH GROUND CIRCUIT

Check continuity between door mirror remote control switch connector M7 terminal 13 and ground.

13 - Ground : Continuity should exist.

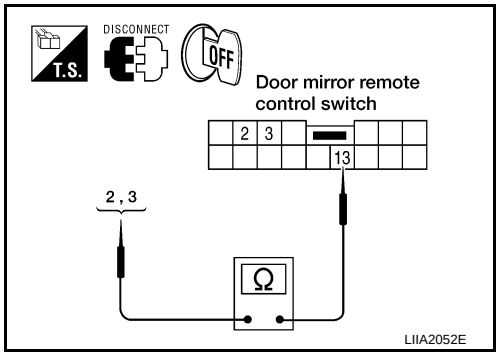


OK or NG

OK >> GO TO 2.
NG >> Repair or replace harness.

2. CHECK DOOR MIRROR REMOTE CONTROL SWITCH GROUND CIRCUIT

Check continuity between door mirror remote control switch terminals as follows.



Terminals		Condition	Continuity
3	13	Changeover switch RIGHT position	Yes
		Other than above	No
2		Changeover switch LEFT position	Yes
		Other than above	No

OK or NG

OK >> Check the condition of the harness and the connector.

NG >> Replace door mirror remote control switch.

ADP STEERING TELESCOPIC SWITCH CIRCUIT INSPECTION

1. CHECK FUNCTION

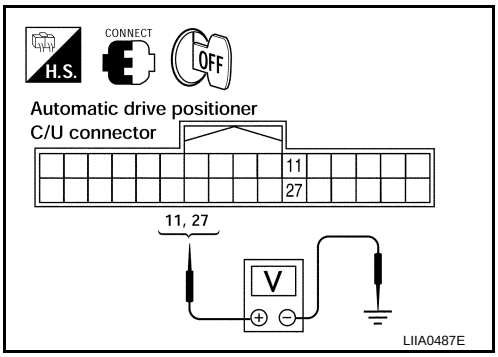
With CONSULT-III

With "TELESCO SW-FR, TELESCO SW-RR" on the DATA MONITOR, operate the ADP steering telescopic switch to check ON/OFF operation.

Monitor item [OPERATION or UNIT]		Contents
TELESCO SW-FR	"ON/OFF"	Operation (ON)/open (OFF) status judged from the telescopic switch (FR) signal is displayed.
TELESCO SW-RR	"ON/OFF"	Operation (ON)/open (OFF) status judged from the telescopic switch (RR) signal is displayed.

Without CONSULT-III

1. Turn ignition switch OFF.
2. Check voltage between automatic drive positioner control unit connector and ground.



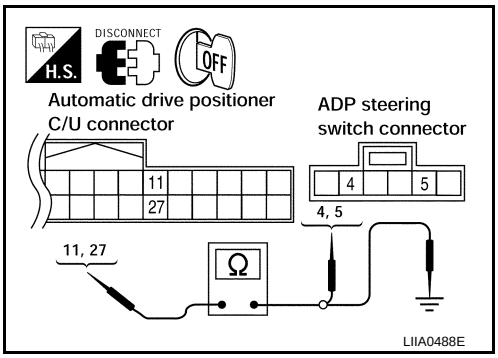
Connector	Terminals (+)	Terminals (-)	Condition	Voltage (V) (Approx.)
M41	11	Ground	Telescopic switch ON (FORWARD operation)	0
			Other than above	5
	27		Telescopic switch ON (BACKWARD operation)	0
			Other than above	5

OK or NG

OK >> ADP steering telescopic switch circuit is OK.
NG >> GO TO 2.

2. CHECK ADP STEERING TELESCOPIC SWITCH HARNESS CONTINUITY

1. Disconnect automatic drive positioner control unit and ADP steering switch.
2. Check continuity between automatic drive positioner control unit connector M41 terminals 11, 27 and ADP steering switch connector M16 terminals 4, 5.



11 - 5 : Continuity should exist.
27 - 4 : Continuity should exist.

3. Check continuity between automatic drive positioner control unit connector M41 terminals 11, 27 and ground.

11 - Ground : Continuity should not exist.
27 - Ground : Continuity should not exist.

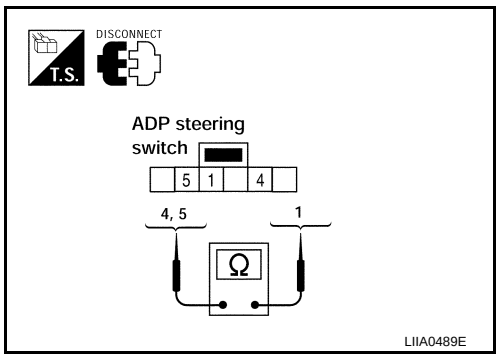
OK or NG

OK >> GO TO 3.
NG >> Repair or replace harness.

3. CHECK ADP STEERING TELESCOPIC SWITCH

Check continuity between ADP steering switch terminals as follows.

Terminals		Condition	Continuity
4	1	Telescopic switch ON (BACKWARD operation)	Yes
		Other than above	No
5		Telescopic switch ON (FORWARD operation)	Yes
		Other than above	No



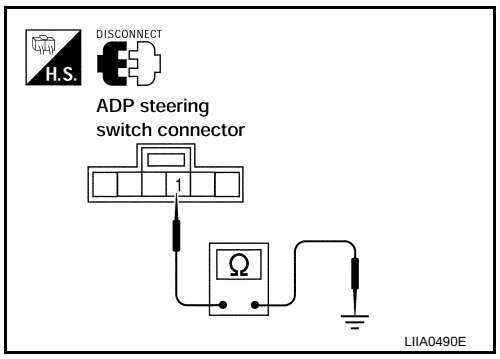
OK or NG

OK >> GO TO 4.
NG >> Replace ADP steering switch.

4. CHECK ADP STEERING TELESCOPIC SWITCH GROUND CIRCUIT

Check continuity between ADP steering switch connector M16 terminal 1 and ground.

1 - Ground : Continuity should exist.



OK or NG

OK >> Check the condition of the harness and connector.
NG >> Replace or replace harness.

ADP STEERING TILT SWITCH CIRCUIT INSPECTION

1. CHECK FUNCTION

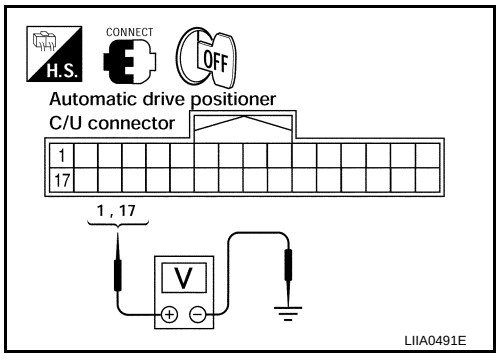
With CONSULT-III

With “TILT SW-UP, TILT SW-DOWN” on the DATA MONITOR, operate the ADP steering wheel tilt switch to check ON/OFF operation.

Monitor item [OPERATION or UNIT]		Contents
TILT SW-UP	“ON/OFF”	Operation (ON)/open (OFF) status judged from the tilt switch (FR) signal is displayed.
TILT SW-DOWN	“ON/OFF”	Operation (ON)/open (OFF) status judged from the tilt switch (RR) signal is displayed.

Without CONSULT-III

1. Turn ignition switch OFF.
2. Check voltage between automatic drive positioner control unit connector and ground.



Connector	Terminals (+)	Terminals (-)	Condition	Voltage (V) (Approx.)
M41	1	Ground	Tilt switch ON (UP operation)	0
			Other than above	5
	17		Tilt switch ON (DOWN operation)	0
			Other than above	5

OK or NG

OK >> ADP steering tilt switch circuit is OK.
NG >> GO TO 2.

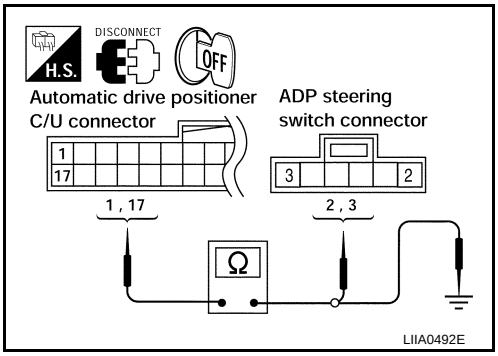
2. CHECK ADP STEERING TILT SWITCH HARNESS CONTINUITY

1. Disconnect automatic drive positioner control unit and ADP steering switch.
2. Check continuity between automatic drive positioner control unit connector M41 terminals 1, 17 and ADP steering switch connector M16 terminals 2, 3.

1 - 2 : Continuity should exist.
17 - 3 : Continuity should exist.

3. Check continuity between automatic drive positioner control unit connector M41 terminals 1, 17 and ground.

1 - Ground : Continuity should not exist.
17 - Ground : Continuity should not exist.



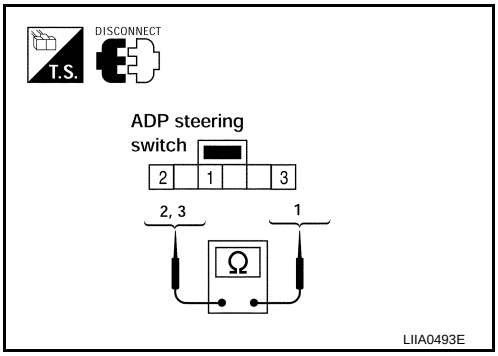
OK or NG

OK >> GO TO 3.
NG >> Repair or replace harness.

3.CHECK ADP STEERING TILT SWITCH

Check continuity between ADP steering switch terminals as follows.

Terminals		Condition	Continuity
2	1	Tilt switch ON (UP operation)	Yes
		Other than above	No
3		Tilt switch ON (DOWN operation)	Yes
		Other than above	No



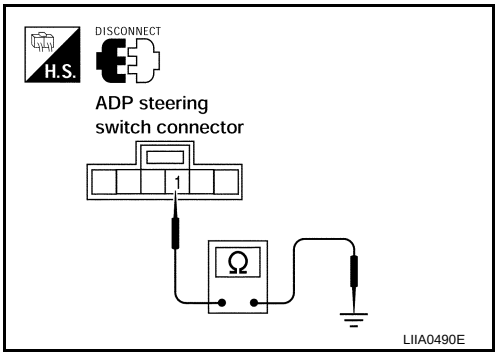
OK or NG

OK >> GO TO 4.
NG >> Replace ADP steering switch.

4.CHECK ADP STEERING TILT SWITCH GROUND CIRCUIT

Check continuity between ADP steering switch connector M16 terminal 1 and ground.

1 - Ground : Continuity should exist.



OK or NG

OK >> Check the condition of the harness and connector.
NG >> Replace or replace harness.

SEAT MEMORY INDICATOR LAMP CIRCUIT INSPECTION

1.CHECK FUNCTION

With CONSULT-III

With “MEMORY SW INDCTR” in ACTIVE TEST, check operation.

Test item	Description
MEMORY SW INDCTR	The memory switch indicator is lit by receiving the drive signal.

Without CONSULT-III

GO TO 2.

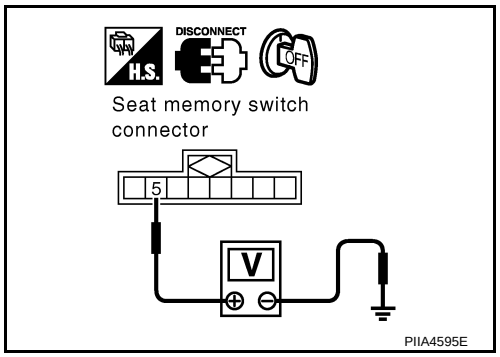
OK or NG

OK >> Seat memory indicator lamp circuit is OK.
NG >> GO TO 2.

2.CHECK SEAT MEMORY SWITCH POWER SUPPLY CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect seat memory switch.
3. Check voltage between seat memory switch connector D5 terminal 5 and ground.

5 - Ground : Battery voltage



OK or NG

OK >> GO TO 3.
NG >> Repair or replace harness.

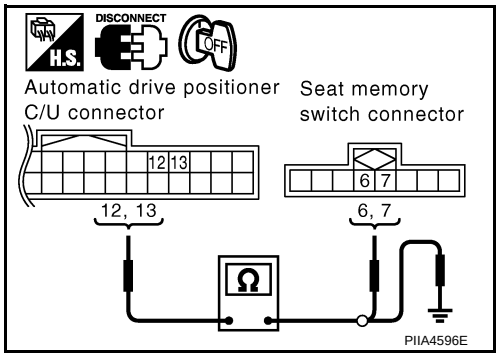
3.CHECK HARNESS CONTINUITY

1. Disconnect automatic drive positioner control unit.
2. Check continuity between automatic drive positioner control unit connector M41 terminals 12, 13 and seat memory switch connector D5 terminals 6, 7.

12 - 6 : Continuity should exist.
13 - 7 : Continuity should exist.

3. Check continuity between automatic drive positioner control unit connector M41 terminals 12, 13 and ground.

12 - Ground : Continuity should not exist.
13 - Ground : Continuity should not exist.



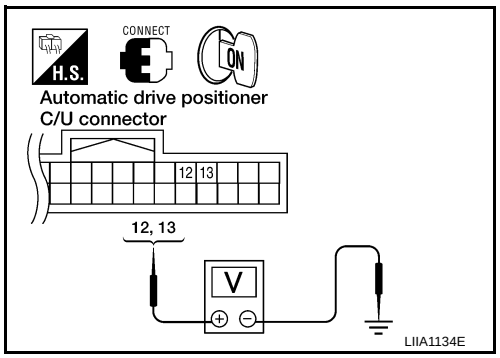
OK or NG

OK >> GO TO 4.
NG >> Repair or replace harness.

4.CHECK SEAT MEMORY SWITCH INDICATOR SIGNAL

1. Connect seat memory switch.
2. Check voltage between automatic drive positioner control unit connector M41 terminals 12, 13 and ground.

12 - Ground : Battery voltage
13 - Ground : Battery voltage



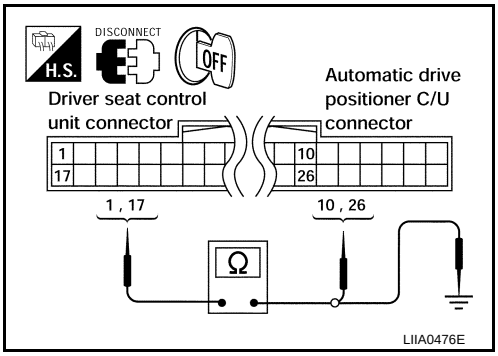
OK or NG

OK >> Replace automatic drive positioner control unit.
NG >> Replace seat memory switch.

UART COMUNICATION LINE CIRCUIT INSPECTION

1.CHECK UART LINE HARNESS

1. Turn ignition switch OFF.
2. Disconnect driver seat control unit and automatic drive positioner control unit.
3. Check continuity between driver seat control unit connector B401 terminals 1, 17 and automatic drive positioner connector M41 terminals 10, 26.



1 - 10 : Continuity should exist.
17 - 26 : Continuity should exist.

4. Check continuity between driver seat control unit connector B402 terminals 1, 17 and ground.

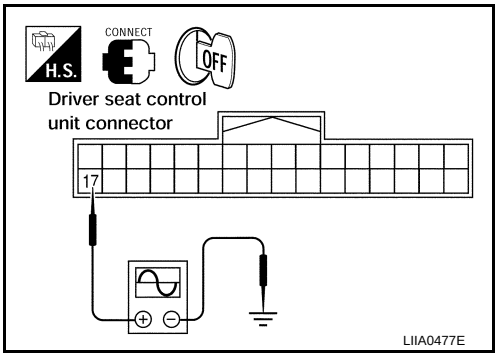
1 - Ground : Continuity should not exist.
17 - Ground : Continuity should not exist.

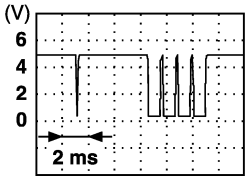
OK or NG

OK >> GO TO 2.
NG >> Repair or replace harness.

2.CHECK UART LINE INPUT/OUTPUT SIGNAL 1

Check signal between driver seat control unit connector and ground, with oscilloscope.



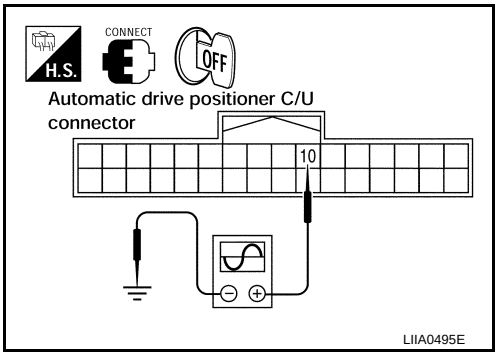
Connector	Terminals (+)	Terminals (-)	Condition	Signal
B401	17	Ground	Seat memory switch ON (1 or 2 operation)	

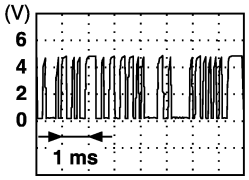
OK or NG

OK >> GO TO 3.
NG >> Replace driver seat control unit.

3.CHECK UART LINE INPUT/OUTPUT SIGNAL 2

Check signal between automatic driver positioner control unit connector ground, with oscilloscope.



Connector	Terminals (+)	Terminals (-)	Condition	Signal
M41	10	Ground	Seat memory switch ON (1 or 2 operation)	

OK or NG

OK >> GO TO 4.
NG >> Replace automatic driver positioner control unit.

4.CHECK DRIVER SEAT CONTROL UNIT

Does the automatic drive positioner function when the driver control unit is exchanged?

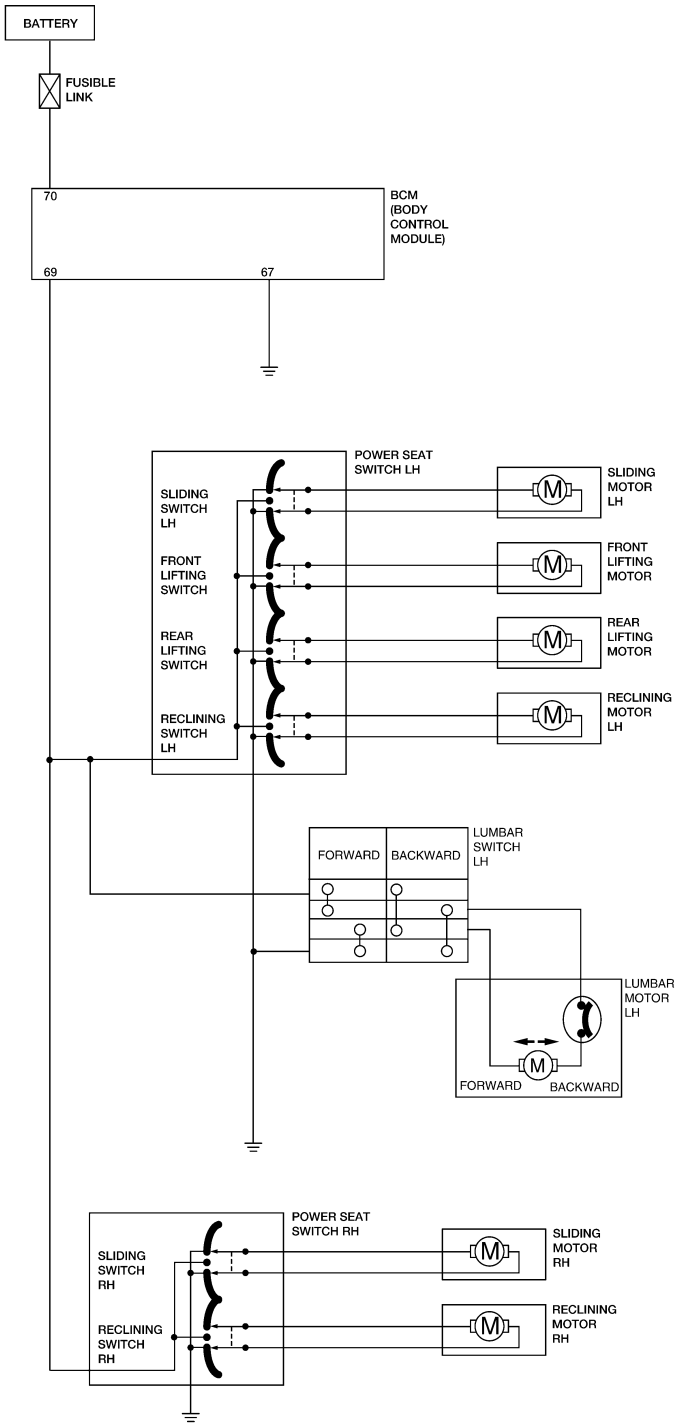
YES or NO

YES >> Replace driver seat control unit.
NO >> Replace automatic drive positioner control unit.

POWER SEAT

Schematic

INFOID:0000000001721265

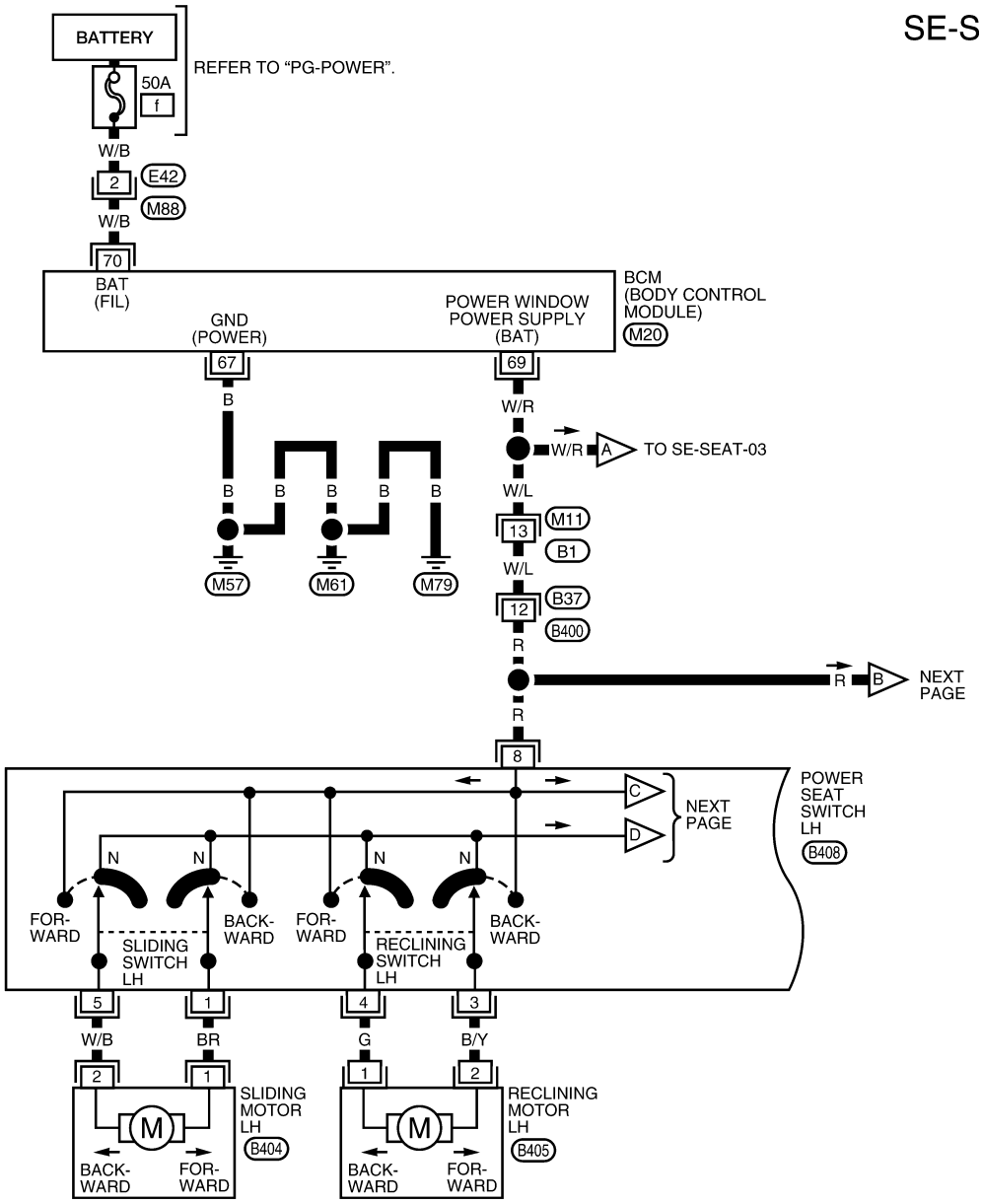


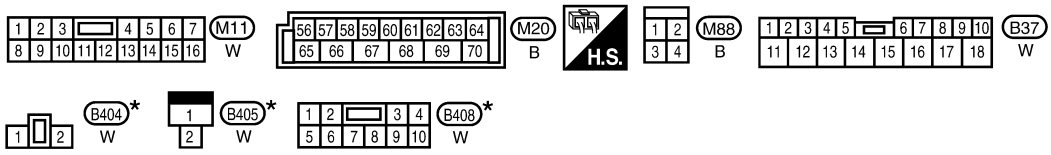
WIWA1872E

Wiring Diagram - SEAT -

INFOID:0000000001721266

SE-SEAT-01

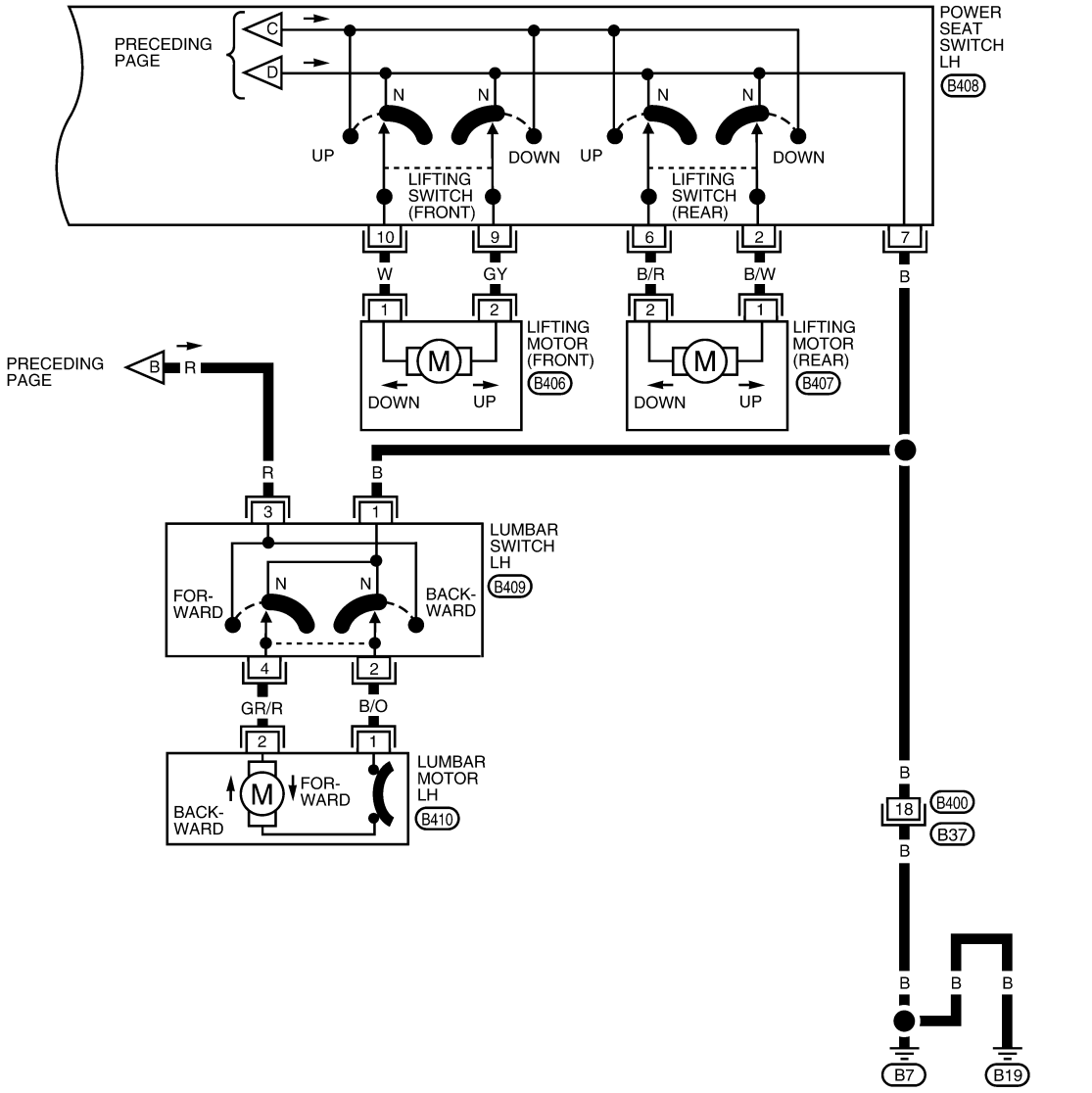




*: THIS CONNECTOR IS NOT SHOWN IN "HARNESS LAYOUT" OF PG SECTION.

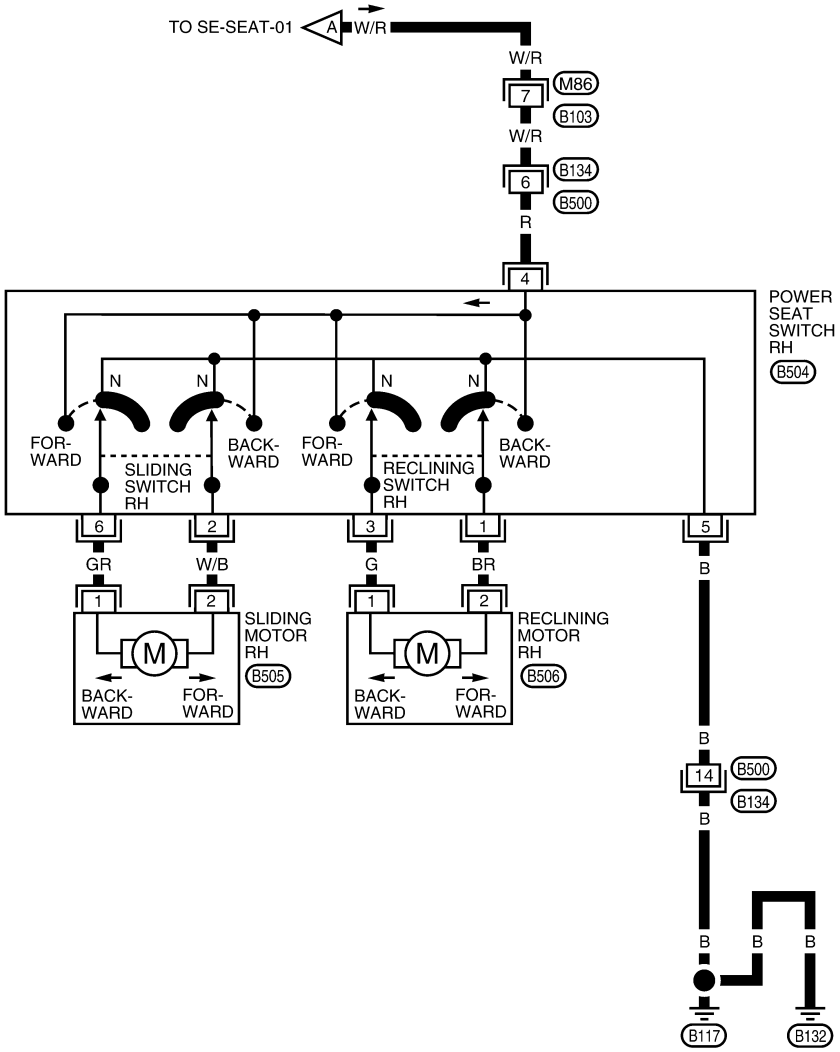
WIWA1873E

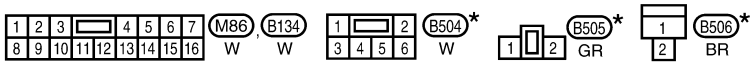
SE-SEAT-02



*: THIS CONNECTOR IS NOT SHOWN IN "HARNESS LAYOUT" OF PG SECTION.

WIWA1874E





*: THIS CONNECTOR IS NOT SHOWN IN “HARNESS LAYOUT” OF PG SECTION.

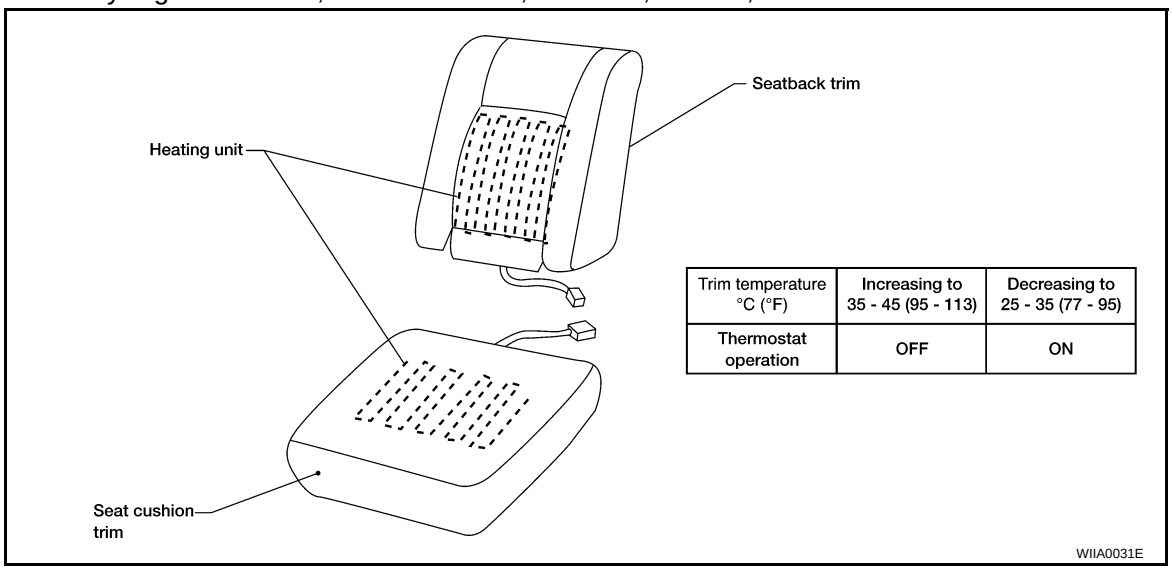
WIWA1875E

HEATED SEAT

Description

INFOID:0000000001721267

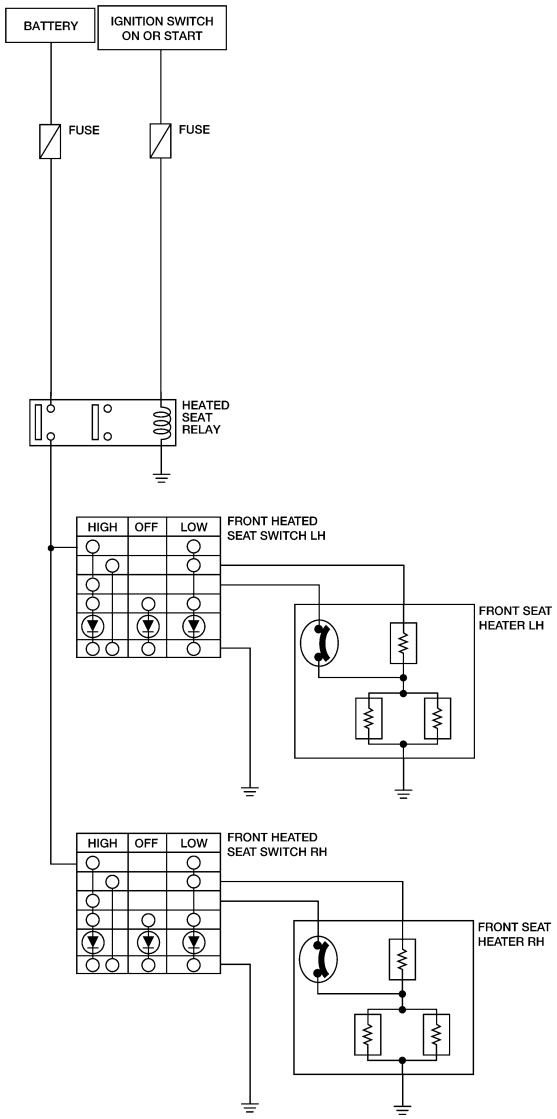
- When handling seat, be extremely careful not to scratch heating unit.
- Do not use any organic solvent, such as thinner, benzene, alcohol, etc. to clean trim.



Trim temperature °C (°F)	Increasing to 35 - 45 (95 - 113)	Decreasing to 25 - 35 (77 - 95)
Thermostat operation	OFF	ON

Schematic

INFOID:0000000001721268

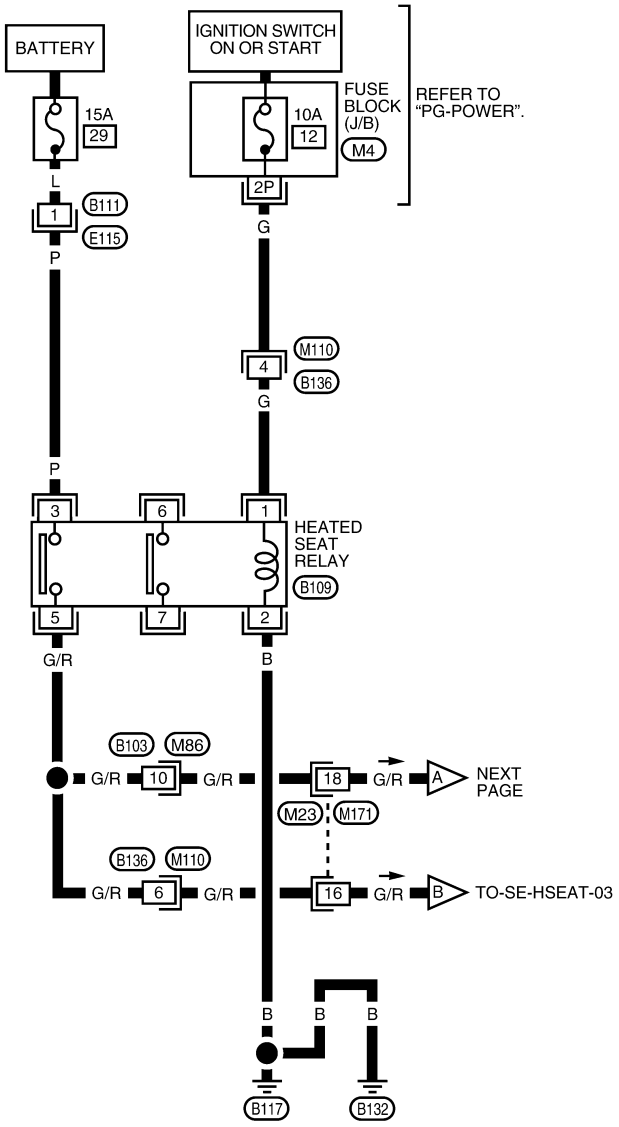


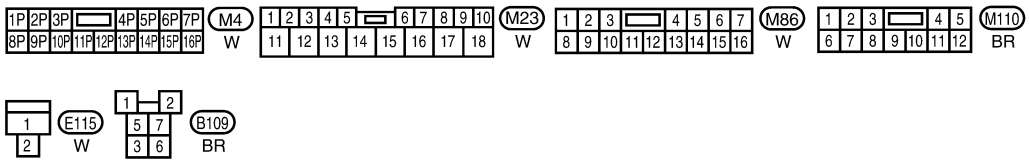
WIWA1876E

Wiring Diagram - HSEAT -

INFOID:0000000001721269

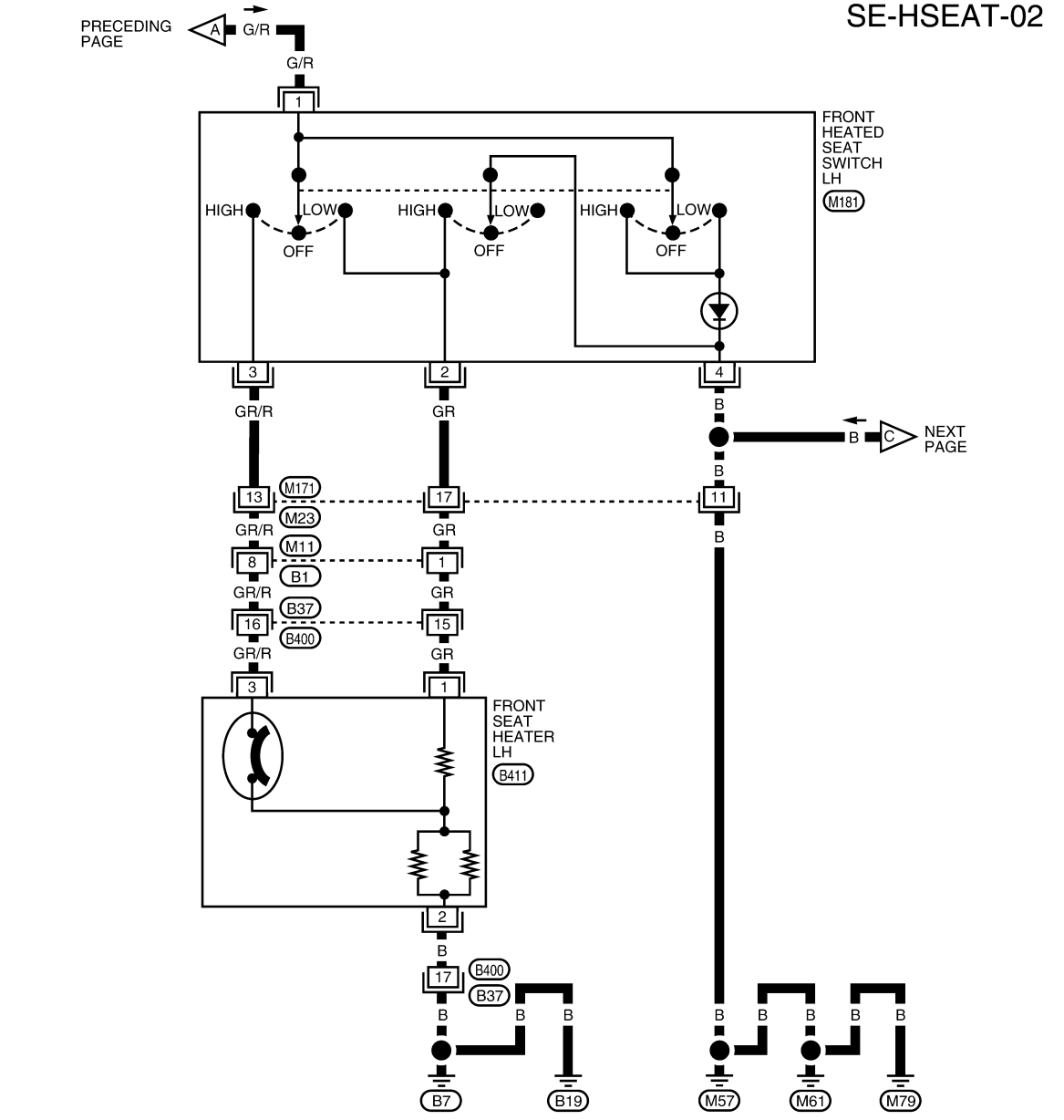
SE-HSEAT-01

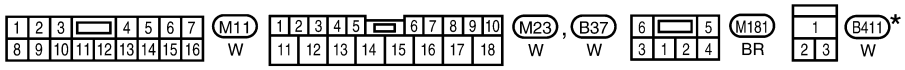




WIWA1878E

SE-HSEAT-02

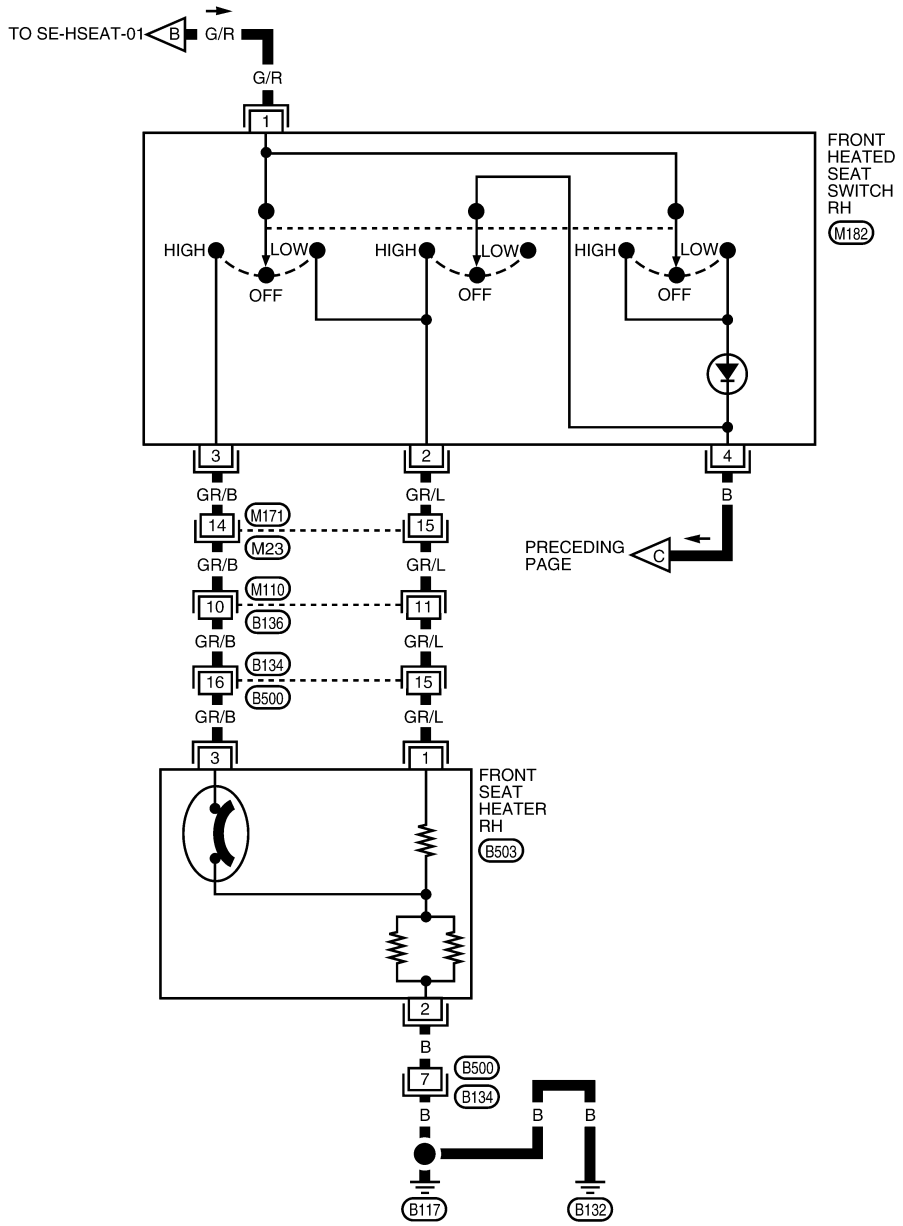


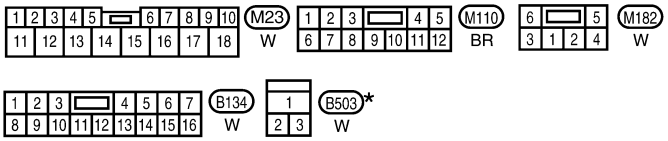


*: THIS CONNECTOR IS NOT SHOWN IN "HARNESS LAYOUT" OF PG SECTION.

WIWA1879E

SE-HSEAT-03





*: THIS CONNECTOR IS NOT SHOWN IN "HARNESS LAYOUT" OF PG SECTION.

WIWA1880E

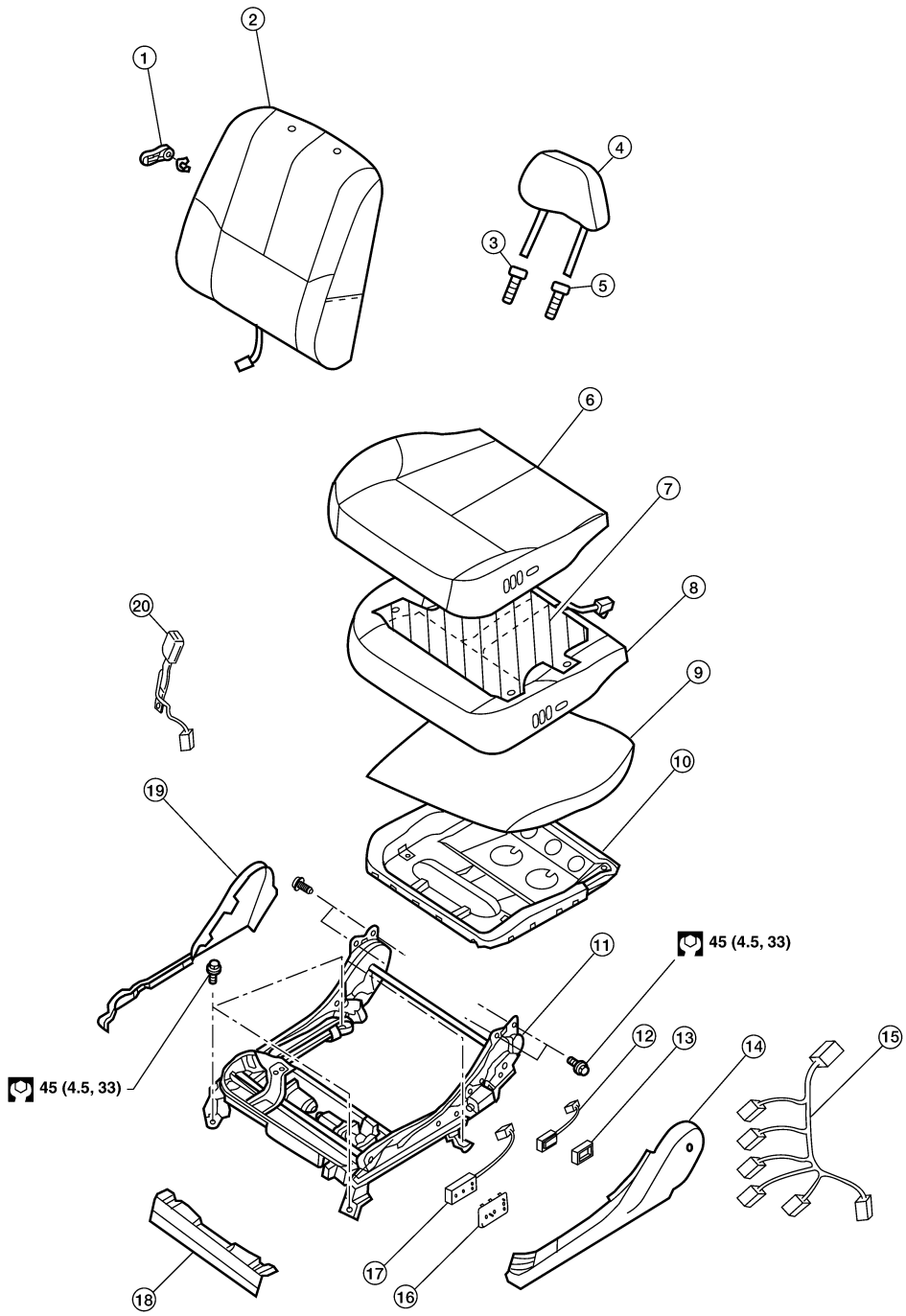
FRONT SEAT

Removal and Installation

INFOID:0000000001721270

Driver Seat

SEC.870



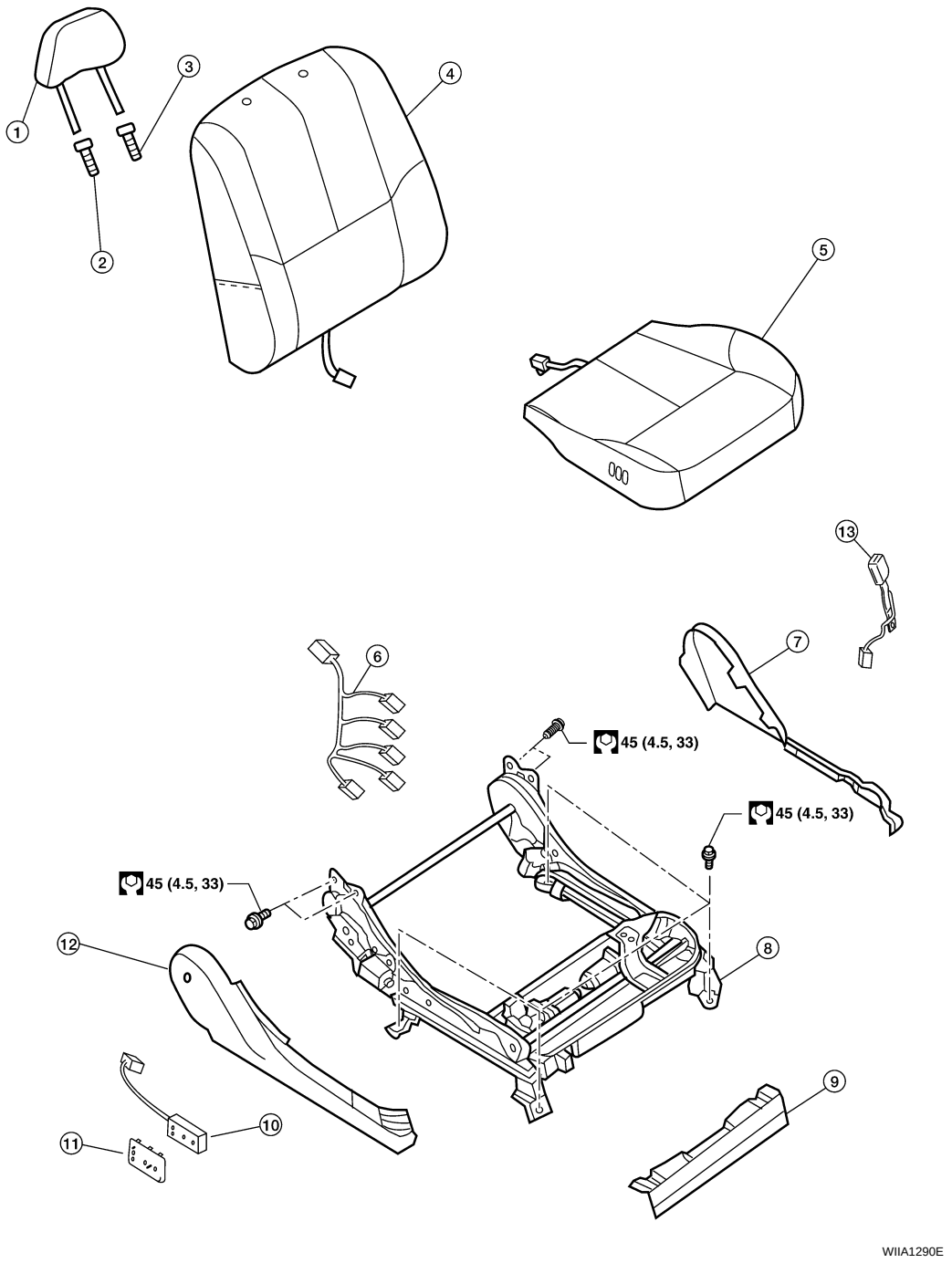
WIIA1289E

1. Manual seat lumbar unit lever
2. Seatback assembly
3. Headrest holder (free)
4. Headrest
5. Headrest holder (locked)
6. Seat cushion trim
7. Seat cushion heater unit (if equipped)
8. Seat cushion pad
9. Silk film bag
10. Seat cushion frame
11. Driver seat frame assembly
12. Power lumbar support switch (optional)
13. Power lumbar support switch finisher (if equipped)
14. Seat cushion outer finisher
15. Driver power seat harness

16. Power seat switch finisher (if equipped)
17. Power seat switch
18. Seat cushion front finisher
19. Seat cushion inner finisher
20. Seat belt buckle

Passenger Seat

SEC.890



WIIA1290E

1. Headrest
2. Headrest holder (free)
3. Headrest holder (locked)
4. Seatback assembly
5. Seat cushion assembly
6. Passenger power seat harness
7. Seat cushion inner finisher
8. Passenger seat power frame assembly
9. Seat cushion front finisher

10. Power seat switch
11. Power seat switch finisher
12. Seat cushion outer finisher
13. Seat belt buckle

REMOVAL

When removing or installing the seat trim, handle it carefully to keep dirt out and avoid damage.

CAUTION:

- **Before removing the front seat, turn the ignition switch off, disconnect both battery cables and wait and least 3 minutes.**
- **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 to deploy.**
- **Do not drop, tilt, or bump the side air bag module while installing the seat. Always handle it with care.**
- **After front side air bag module inflates, front seatback assembly must be replaced.**
- **Front passenger seat is equipped with an Occupant Classification System sensor and control module. Do not disassemble front passenger seat cushion assembly or remove the trim as this will affect the Occupant Classification System calibration.**
- **Always replace passenger seat cushion as an assembly.**

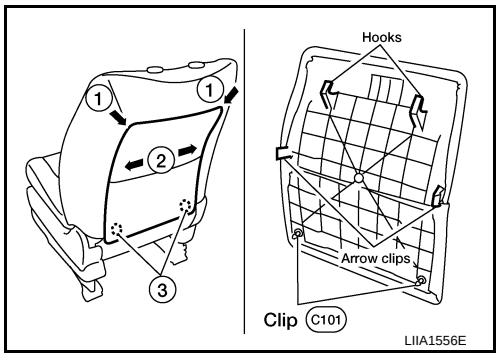
1. Slide the seat until the four bolts are visible and a tool can be inserted.
   NOTE:
   When disassembling the driver seat after removal, set the front/rear cushion lifter to the top position.
2. Disconnect both battery cables and wait at least 3 minutes.
3. Remove the harness connector for the side air bag module.
4. Remove the bolts.
5. Remove the power seat harness connector and vehicle harness clip from the vehicle.

INSTALLATION

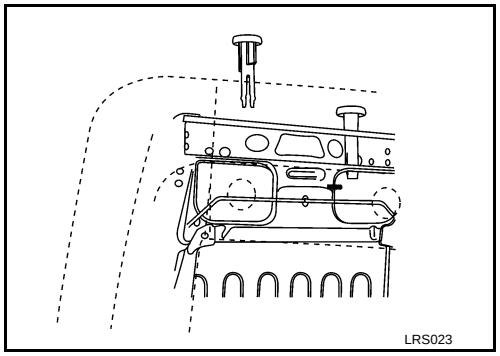
- Installation is in the reverse order of removal.
  NOTE:
  Be sure to insert the rear end tab of the rear leg cover under the rail.

REMOVAL OF SEATBACK ASSEMBLY

1. Remove the seatback finisher from the back of the seatback.
   1. Bend both top corners inward (one at a time) to release the top hooks.
   2. Shift the seatback finisher to the left and right to release the middle hooks.
   3. Separate the trim clips from the seatback frame to remove the seatback finisher.



2. From the back of the seatback, press the headrest holder tabs at the base of the stay pipe to disengage. Then pull the headrest holder up to remove.
   NOTE:
   Before installing the headrest holder, check its orientation (front/rear and right/left).



3. Pull out the harness connector for the side air bag from the seat cushion.
4. Remove the reclining device bolts (2 for each side) on the seatback frame, and remove the seatback assembly.

NOTE:
When assembling the seatback frame, make sure that the reclining device is locked on both sides, and be sure to temporarily tighten the bolts, then finish tightening them.

INSTALLATION OF SEATBACK ASSEMBLY

- Installation is in the reverse order of removal.

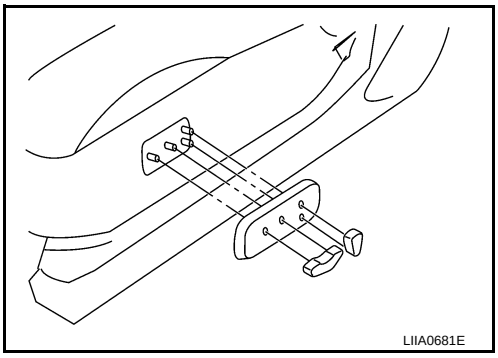
SEAT CUSHION TRIM AND PAD (DRIVER) OR SEAT CUSHION ASSEMBLY (PASSENGER)

CAUTION:

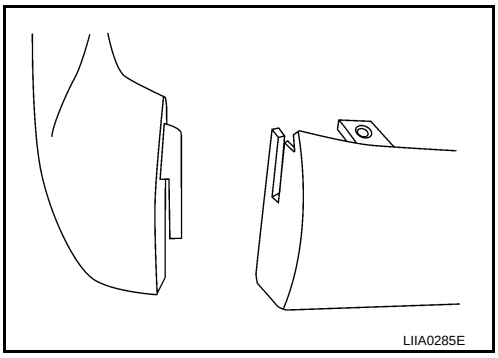
- **Front passenger seat is equipped with an Occupant Classification System sensor and control module. Do not disassemble front passenger seat cushion assembly or remove the trim as this will affect the Occupant Classification System calibration.**
- **Always replace passenger seat cushion as an assembly.**
- **When removed, the passenger seat cushion must always be placed pan side UP to prevent damage.**
- **During installation, the wire harness clips must be installed in the holes they were originally in. Do not add additional clips.**
- **The Occupant Classification System control module can only be replaced as part of the seat cushion assembly.**

NOTE:
If the vehicle has been involved in a collision, the seat must be inspected for damage. Refer to SRS-45.

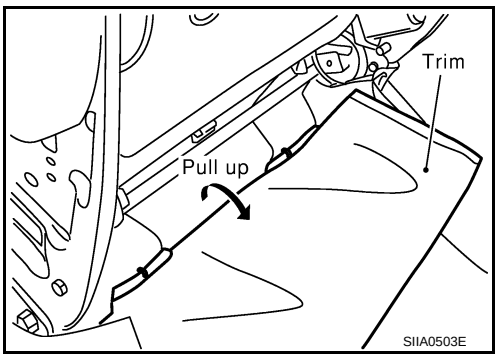
1. Remove the power seat switch knob.



2. Remove the front seat cushion finisher (inner).



3. Remove the three power seat switch assembly screws (or lift knobs on manual seats).
4. Remove four bolts and seat cushion assembly.
5. Remove the retainer on the seat cushion frame, then remove the harness connector for the seat heater.
6. For driver seat only, after removing the seat cushion assembly, remove the hog rings to separate the trim cover from the pad and seat cushion heater unit.



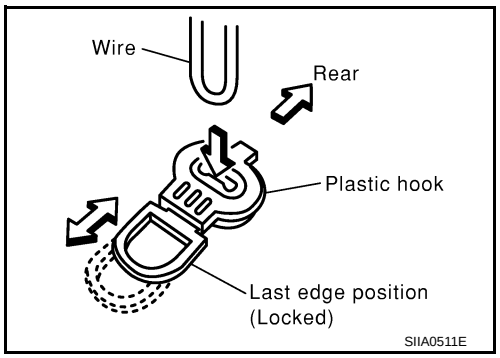
REAR SEAT

Removal and Installation

INFOID:0000000001721271

REMOVAL

1. Pull the lock at the front bottom of the seat cushion forward (1 for each side), and pull the seat cushion upward to release the wire from the plastic hook, then pull the seat cushion forward to remove.
2. Remove the RH and LH screws on the seatback.
3. Slide the seatback upward to pull off the wire from the wire from the vehicle-side hook, and remove the seatback.
4. After removing, remove the hog ring to separate the trim and pad.



INSTALLATION

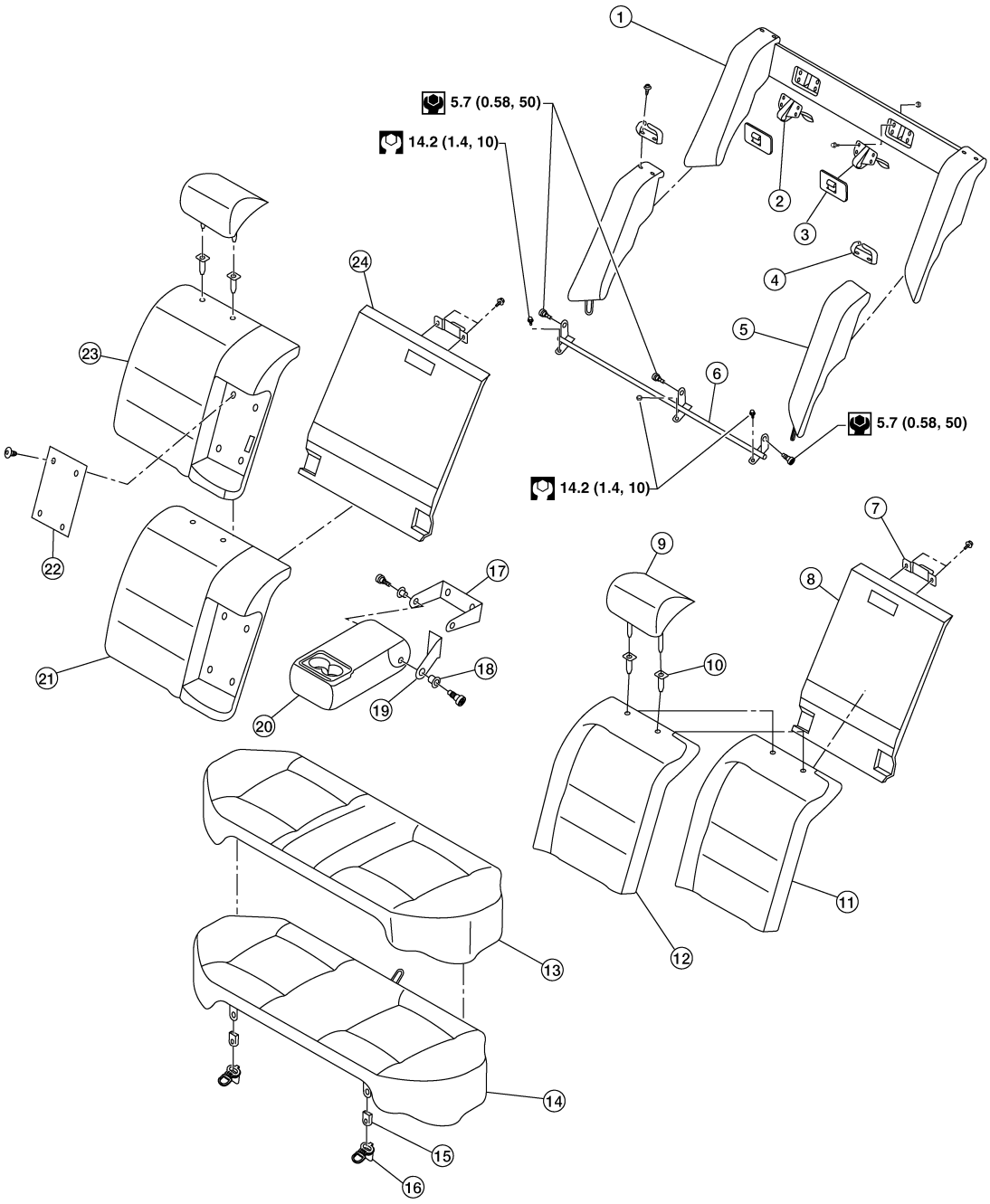
- Installation is in the reverse order of removal.

Disassembly and Assembly

INFOID:0000000001721272

5-Passenger

SEC.881



WIIA0840E

1. Rear seat side bolster assembly
2. Rear seatback latch assemblies
3. Rear seatback latch covers
4. Seat belt guides
5. Rear seatback side bolster trim covers
6. Rear seatback hinge assembly
7. Rear seatback latch strikers
8. Rear seatback board (40 percent portion)
9. Rear seatback headrest
10. Headrest guide
11. Rear seatback pad (40 percent portion)
12. Rear seatback trim cover (40 percent portion)
13. Rear seat cushion trim cover
14. Rear seat cushion pad and frame
15. Rear seat cushion hook insulator
16. Rear seat cushion hook
17. Armrest bracket
18. Bushing

19. Armrest bracket cover
20. Rear seat armrest assembly
21. Rear seatback pad (60 percent portion)
22. Armrest lid board assembly
23. Rear seatback trim cover (60 percent portion
24. Rear seatback board (60 percent portion)