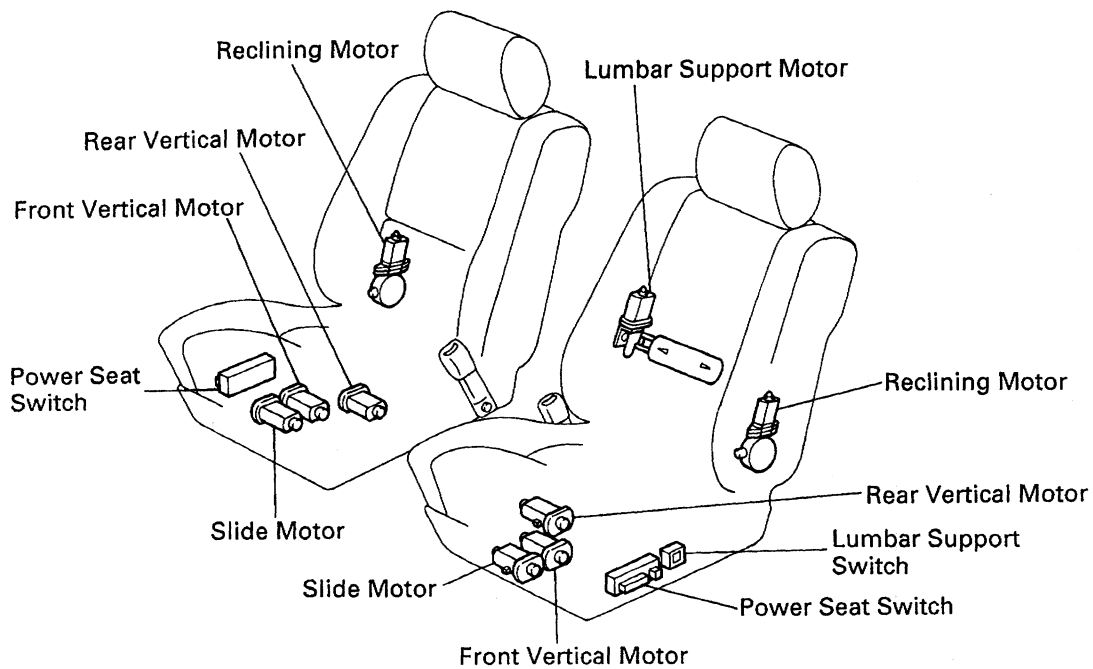
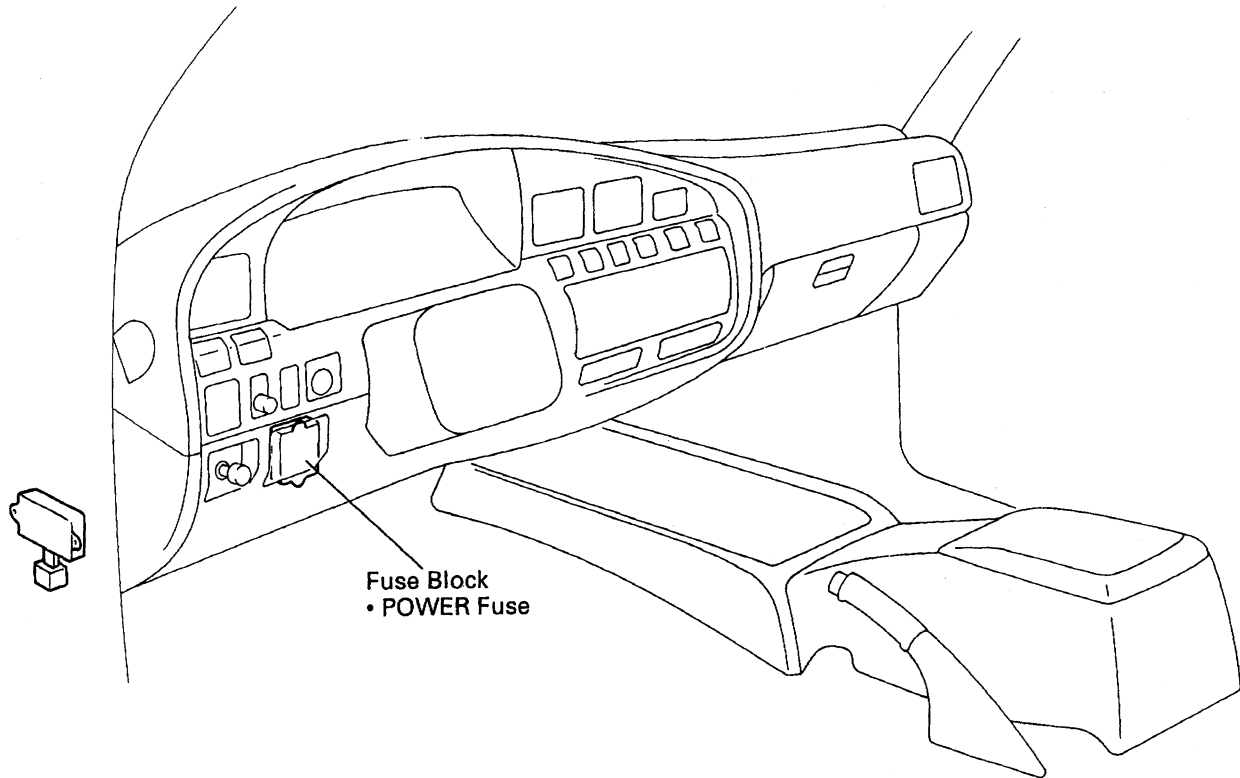


POWER SEAT CONTROL SYSTEM PARTS LOCATION

BEOKR-02



TROUBLESHOOTING

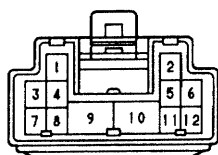
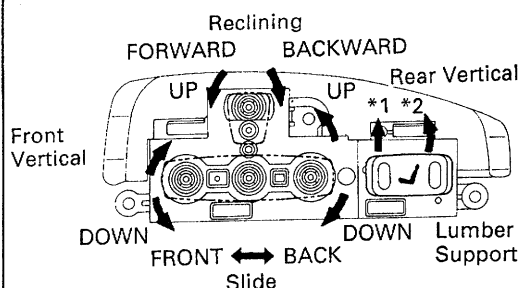
The table below will be useful for you in troubleshooting these electrical problems. The most likely causes of the malfunction are shown in the order of their probability. Inspect each part in the order shown, and replace the part when it is found to be faulty.

Trouble	Parts name	(See page)
Power seat does not operate. (Door Lock does not operate.)	1. FL AM 1 2. POWER Fuse 3. Wire Harness 4. Power Seat Switch (D) 4. Power Seat Switch (P)	(BE-4) (BE-4) (BE-89) (BE-90)
Driver's seat does not operate.	1. Power Seat Switch (D) 2. Wire Harness	(BE-89)
Passenger's seat does not operate.	1. Power Seat Switch (P) 2. Wire Harness	(BE-90)
"Slide operation" does not operate.	1. Power Seat Switch (D) 1. Power Seat Switch (P) 2. Wire Harness 3. Slide Motor (D,P)	(BE-89) (BE-90) (BE-91)
"Front Vertical Operation" does not operate.	1. Power Seat Switch (D) 2. Wire Harness 3. Front Vertical Motor (D)	(BE-91) (BE-91)
"Rear Vertical Operation" does not operate.	1. Power Seat Switch (D) 2. Wire Harness 3. Rear Vertical Motor (D)	(BE-92) (BE-92)
"Reclining Operation" does not operate.	1. Power Seat Switch (D) 1. Power Seat Switch (P) 2. Wire Harness 3. Reclining Motor (D,P)	(BE-89) (BE-90) (BE-93)

(D): Driver's Seat

(P): Passenger's Seat

- *1 FORWARD
*2 BACKWARD



N06201 eg-12-1

Z06996

POWER SEAT SWITCH INSPECTION

INSPECT POWER SEAT SWITCH

DRIVER'S SIDE:

Continuity

Inspect the switch continuity between terminals.

SLIDE SWITCH

Switch position	Tester connection to terminal number	Specified value
FORWARD	5 - 10 8-9	Continuity
OFF	5-8-9	Continuity
BACKWARD	5 - 9 8- 10	Continuity

FRONT VERTICAL SWITCH

Switch position	Tester connection to terminal number	Specified value
UP	4- 11 10 - 12	Continuity
OFF	4 - 11 - 12	Continuity
DOWN	4- 12 10 - 11	Continuity

REAR VERTICAL SWITCH

Switch position	Tester connection to terminal number	Specified value
UP	2- 10 6 - 7	Continuity
OFF	2 - 6 - 7	Continuity
DOWN	2 - 7 6- 10	Continuity

RECLINING SWITCH

Switch position	Tester connection to terminal number	Specified value
FORWARD	4 - 10 7-9	Continuity
OFF	4 - 7 - 9	Continuity
BACKWARD	4-9 7-10	Continuity

LUMBAR SUPPORT SWITCH

Switch position	Tester connection to terminal number	Specified value
FORWARD	4- 10 7-9	Continuity
OFF	4-7-9	Continuity
BACKWARD	4-9 7 - 10	Continuity

If continuity is not as specified, replace the switch.

PASSENGER'S SIDE:**Continuity**

Inspect the switch continuity between terminals.

SLIDE SWITCH

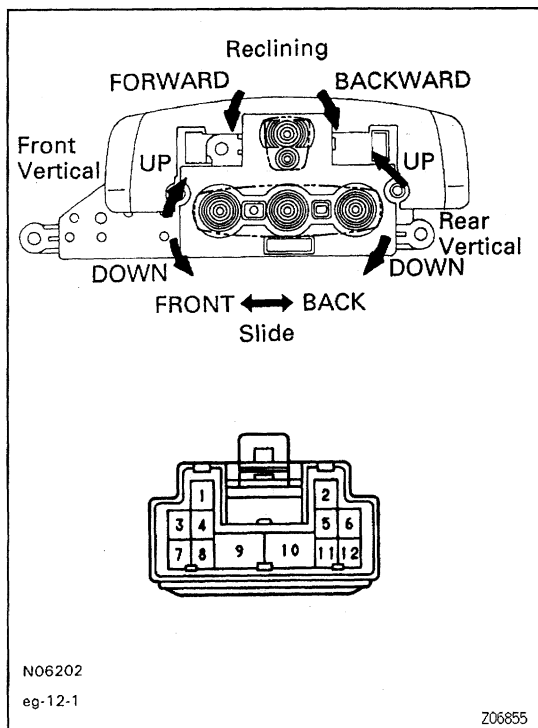
Switch position	Tester connection to terminal number	Specified value
FORWARD	5 - 10 8-9	Continuity
OFF	5-8-9	Continuity
BACKWARD	5-9 8- 10	Continuity

FRONT VERTICAL SWITCH

Switch position	Tester connection to terminal number	Specified value
UP	4- 11 10 - 12	Continuity
OFF	4- 11 - 12	Continuity
DOWN	4- 12 10- 11	Continuity

REAR VERTICAL SWITCH

Switch position	Tester connection to terminal number	Specified value
UP	2 - 10 6-7	Continuity
OFF	2 - 6 - 7	Continuity
DOWN	2 - 7 6 - 10	Continuity



RECLINING SWITCH

Switch position	Tester connection to terminal number	Specified value
FORWARD	4- 10 7-9	Continuity
OFF	4-7-9	Continuity
BACKWARD	4-9 7-10	Continuity

If continuity is not as specified, replace the switch.

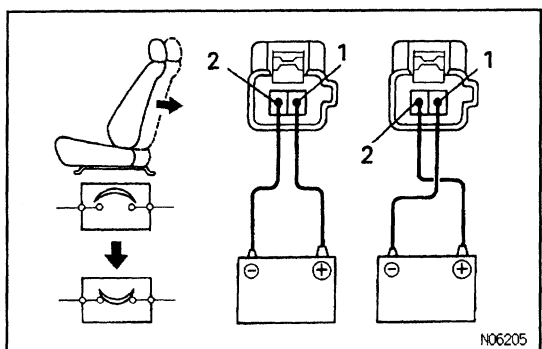
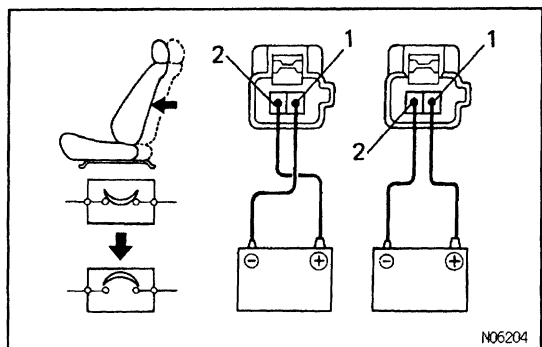
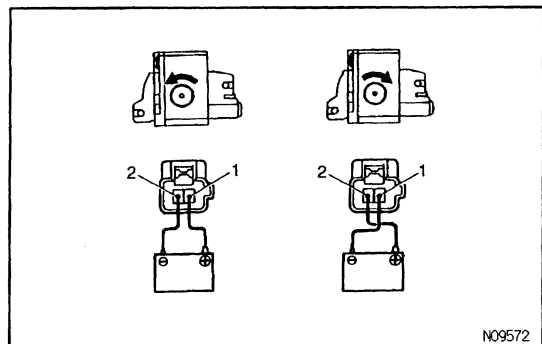
POWER SEAT MOTOR INSPECTION**INSPECT SLIDE MOTOR****Motor Operation**

- (a) Connect the positive (+) lead from the battery to terminal 1 and the negative (-) lead to terminal 2, check that the motor turns counterclockwise.
- (b) Reverse the polarity, check that the motor turns clockwise.

If operation is not as specified, replace the motor.

Circuit Breaker Operation

- (a) Connect the positive (+) lead and the negative (-) lead from the battery to slide motor connector (illustrated terminals), and slide the seat to front end position.
- (b) Continue to apply voltage, check that there is a circuit breaker operation noise within 4 to 60 seconds.

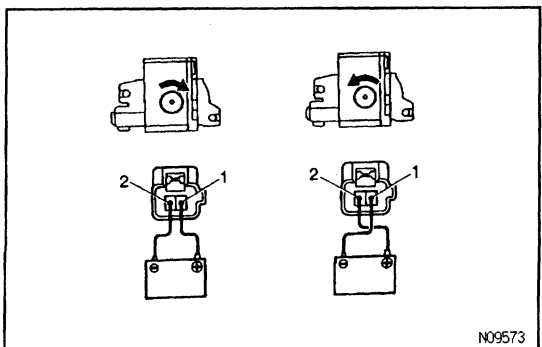


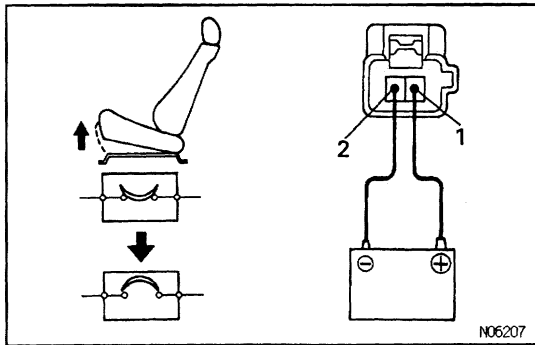
- (c) Reverse the polarity, check that the seat begins to move backwards within approximately 60 seconds.
- If operation is not as specified, replace the motor.

INSPECT FRONT VERTICAL MOTOR**Motor Operation**

- (a) Connect the positive (+) lead from the battery to terminal 1 and the negative (-) lead to terminal 2, check that the motor turns clockwise.
- (b) Reverse the polarity, check that the motor turns counterclockwise.

If operation is not as specified, replace the motor.

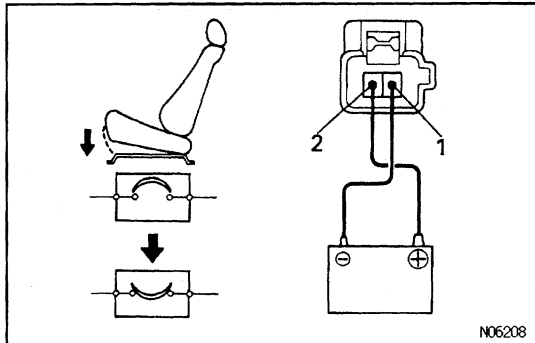




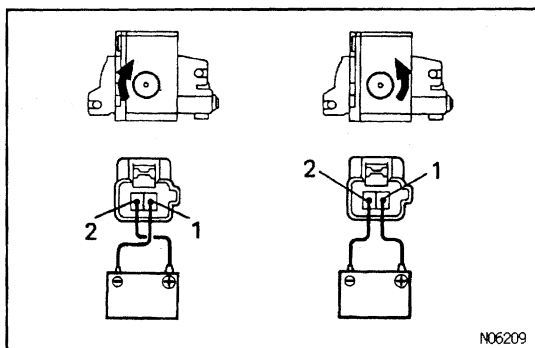
Circuit Breaker Operation

(a) Connect the positive (+) lead and the negative (-) lead from the battery to the front vertical motor connector (illustrated terminals), and move the front edge of seat cushion to the highest position.

(b) Continue to apply voltage, check that there is a circuit breaker operation noise within 4 to 60 seconds.



(c) Reverse the polarity, check that the seat cushion begins to descend within approximately 60 seconds. If operation is not as specified, replace the motor.



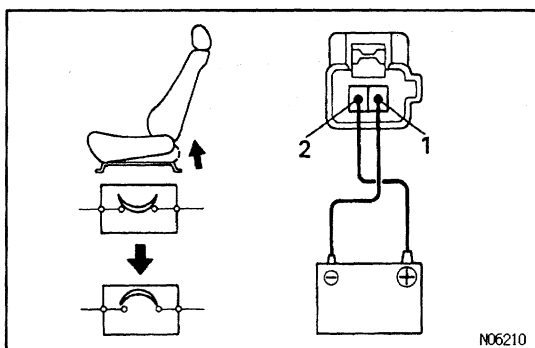
INSPECT REAR VERTICAL MOTOR

Motor Operation

(a) Connect the positive (+) lead from the battery to terminal 2 and the negative (-) lead to terminal 1, check that the motor turns clockwise.

(b) Reverse the polarity, check that the motor turns counterclockwise.

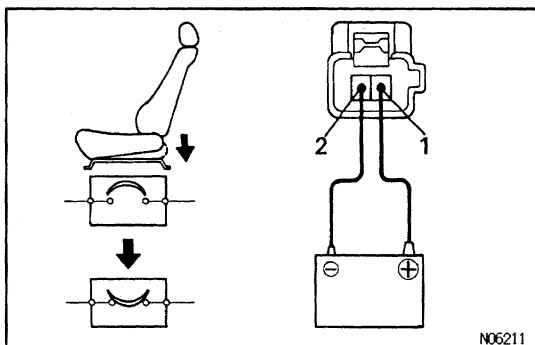
If operation is not as specified, replace the motor.



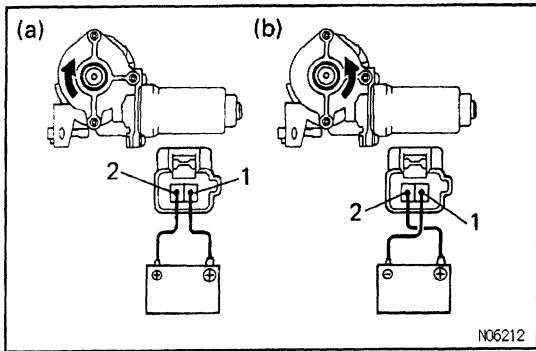
Circuit Breaker Operation

(a) Connect the positive (+) lead and the negative (-) lead from the battery to the rear vertical motor connector (illustrated terminals), and move the front edge of seat cushion to the highest position.

(b) Continue to apply voltage, check that there is a circuit breaker operation noise within 4 to 60 seconds.



(c) Reverse the polarity, check that the seat cushion begins to descend within approximately 60 seconds. If operation is not as specified, replace the motor.



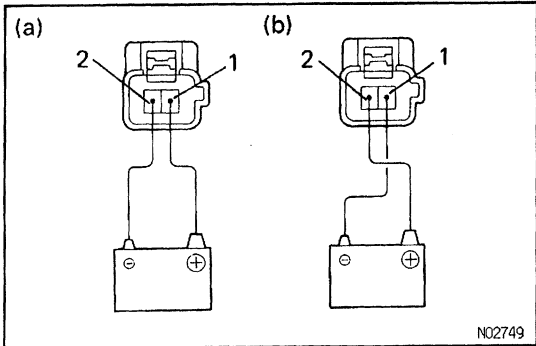
INSPECT RECLINING MOTOR

Motor Operation Driver's Seat

(a) Connect the positive (+) lead from the battery to terminal 1 and the negative (-) lead to terminal 2, check that the motor turns clockwise.

(b) Reverse the polarity, check that the motor turns counterclockwise.

If operation is not as specified, replace the motor.

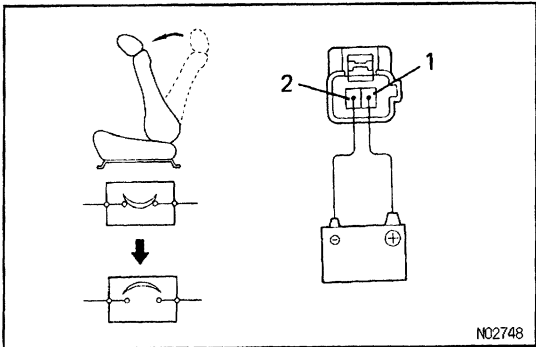


Motor Operation Passenger's Seat

(a) Connect the positive (+) lead from the battery to terminal 1 and the negative (-) lead to terminal 2, check that the motor turns counterclockwise.

(b) Reverse the polarity, check that the motor turns clockwise.

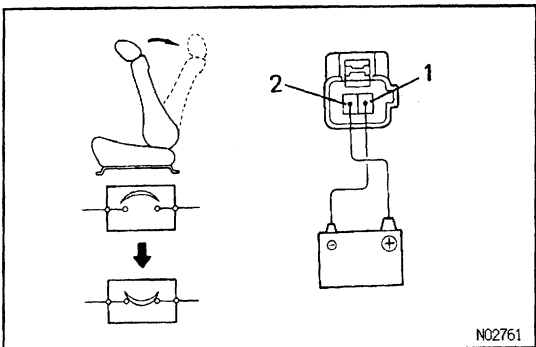
If operation is not as specified, replace the motor.



Circuit Breaker Operation Driver's Seat

(a) Connect the positive (+) lead from terminal 1 and negative (-) lead to terminal 2.

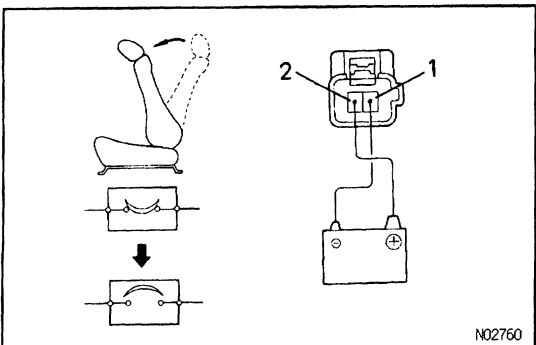
Check that the seat back reclines to the most forward position.



(b) Continue to apply voltage, check that there is a circuit breaker operation noise within 4 to 40 seconds.

(c) Reverse the polarity, check that the seat back starts to fall backwards within approximately 60 seconds.

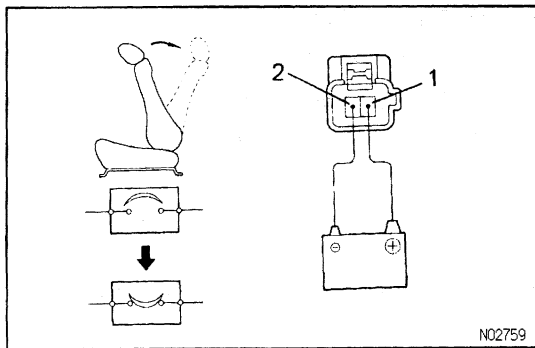
If operation is not as specified, replace the motor.



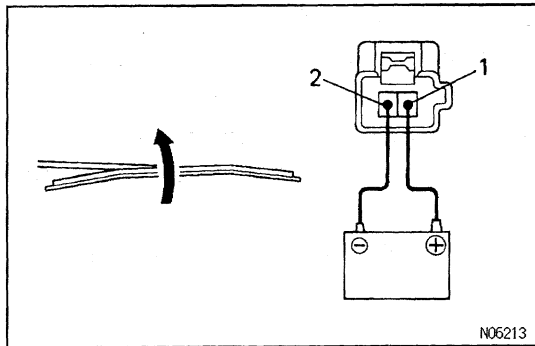
Circuit Breaker Operation Passenger's Seat

(a) Connect the positive (+) lead from the battery to terminal 2 and the negative (-) lead to terminal 1 on the seat wire harness side connector, and recline the seat back to the most forward position.

(b) Continue to apply voltage, check that there is a circuit breaker operation noise within 4 to 40 seconds.



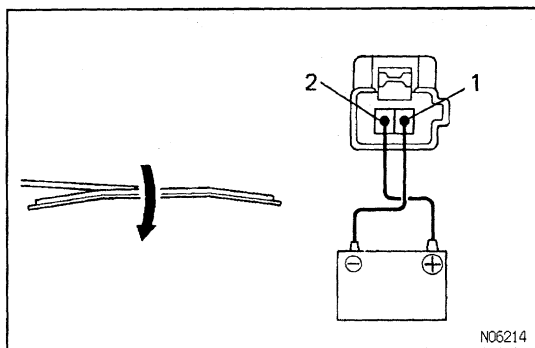
(c) Reverse the polarity, check that the seat back starts to fall backwards within approximately 60 seconds. If operation is not as specified, replace the motor.



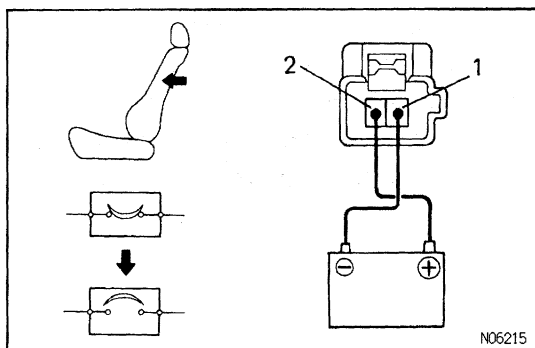
INSPECT LUMBAR SUPPORT MOTOR

Motor Operation

(a) Connect the positive (+) lead from the battery to terminal 1 and the negative (-) lead to terminal 2, check that the lumbar support moves release side.



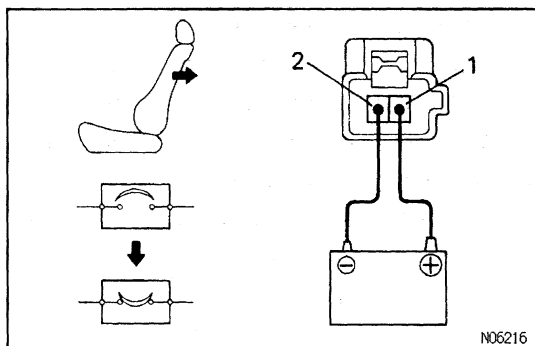
(b) Reverse the polarity, check that the lumbar support moves forward. If operation is not as specified, replace the motor.



Circuit Breaker Operation

(a) Connect the positive (+) lead from the battery to terminal 2 and the negative (-) lead to terminal 1 on the lumbar support motor connector and move the lumbar support to front end position.

(b) Continue to apply voltage, check that there is a circuit breaker operation noise within 4 to 60 seconds.



(c) Reverse the polarity, check that the lumbar support begins to move release side within approximately 60 seconds.

If operation is not as specified, replace the motor.