

# POWER SEAT (DRIVER'S SEAT) [LHD]

## SYSTEM OUTLINE

### 1. MANUAL OPERATION

#### \* SLIDE, RECLINING, FRONT VERTICAL, LIFTER, CUSHION, HEAD REST CONTROL

The power seat control SW operation controls the driver seat ECU to operate each power seat motor. This enables the driver to adjust the seat back-and-forth sliding position, the reclining position of the seatback, the height of the front edge of the seat cushion, the height of the seat cushion and seatback, the depth of the seat cushion and the upright position of the headrest at his or her will.

#### \* LUMBAR SUPPORT CONTROL

Operating the lumbar support control SW put each of the power seat motor (Driver's seat lumbar support upper side control, lower side control) in operation and 2 torsion bars (Upper and lower) individually move continuously. This enables the driver to adjust the seatback touch at his or her will.

### 2. INTERLOCKING HEADREST SYSTEM

The seat back-and-forth sliding position from the power seat position sensor (Driver seat slide control) and the upright position of the headrest from the power seat motor and sensor (Driver's seat headrest control) are sent as signals to the driver seat ECU. By these signals the driver seat ECU detects the position of them. When the driver's seat is slid forward, the driver seat ECU puts the power seat motor (Driver's seat head rest control) in operation to move the headrest to the appropriate position suitable for the changed seat position. Although the headrest position can be adjusted at will and cleared, the driver seat ECU detects that the driver is different when the sliding position is moved for more than 15mm. As a result of that, the headrest will be moved into the position which suitable for the changed seat position.

### 3. DRIVING POSITION MEMORY FUNCTION

Each position sensor in the seat detects the number of rotations of the relevant motor (Seat movement amount) and inputs it to the ECU. This makes it possible to store and recall the seat position by operating the position memory SW. The driving seat position is stored and recalled through communication control of the J/B ECU and door ECU etc.

## SERVICE HINTS

### D27 (A), D28 (B) DRIVER SEAT ECU

(A) 14, (B) 9-GROUND : Always approx. 12 volts

(A) 6, (B) 1-GROUND : Always continuity

## ○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
C20	124 (LHD)	P22	124 (LHD)	P40	124 (LHD)
D24	A 120 (LHD)	P23	124 (LHD)	P41	124 (LHD)
D25	B 120 (LHD)	P27	124 (LHD)	P42	124 (LHD)
D26	120 (LHD)	P28	124 (LHD)	P43	124 (LHD)
D27	A 124 (LHD)	P29	124 (LHD)	P44	124 (LHD)
D28	B 124 (LHD)	P30	124 (LHD)	P45	124 (LHD)
G1	117 (LHD)	P31	124 (LHD)	S17	119 (LHD)
J11	117 (LHD)	P32	124 (LHD)	T5	119 (LHD)
J22	121 (LHD)	P33	124 (LHD)	T9	119 (LHD)

## ○ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
DE	87 (LHD)	Instrument Panel Wire and Driver Side J/B (Left Kick Panel)
DI	89 (LHD)	Floor No.2 Wire and Driver Side J/B (Left Kick Panel)
DJ		
PE	94 (LHD)	Instrument Panel Wire and Passenger Side J/B (Right Kick Panel)

## □ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	142 (LHD)	Front Door LH Wire and Floor No.2 Wire (Left Kick Panel)
IC3	142 (LHD)	Instrument Panel Wire and Floor No.2 Wire (Cowl Side Panel LH)
BF1	148 (LHD)	Floor No.2 Wire and Front Seat LH Wire (Under the Driver's Seat)



**: GROUND POINTS**

Code	See Page	Ground Points Location
BL	146 (LHD)	Rear Floor Partition Panel LH



**: SPLICE POINTS**

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
B5	148 (LHD)	Front Seat LH Wire	B6	148 (LHD)	Front Seat LH Wire