

SYSTEM OUTLINE

1. MANUAL OPERATION

If the rear seat control SW is operated, the signal is sent to the rear seat ECU by the multiplex communication. As a result of that, the rear seat ECU controls the motor to operate and the rear seat slides or the headrest moves up or down, or back and forth so that the passenger adjust the position of the rear seat of headrest at will.

2. REAR SEAT RETURNING OPERATION

If the any of the rear doors is opened, the rear seat position is returned automatically to the original position before the sliding controlled by the rear seat ECU.

3. MEMORY AND REGENERATION OPERATION

The rear seat ECU detects the positions of the rear seat and the headrest by each position sensor. And by operating the rear seat memory SW, the positions of the power seat and the headrest can be memorized and regenerated.

4. BUCKLE SW INTERLOCK OPERATION

If the seat belt is fastened when the ignition SW is ON and not during manual operation and rear seat returning operation, the rear seat ECU controls the motor to operate to move the headrest position to the set position.

Moreover, if the seat belt is fastened during the manual operation or rear seat returning operation, the buckle SW interlock operation halts after the operation ends.

- * When the ignition SW is turned to OFF
- * When the manual operation is performed
- * When the rear seat returning operation is performed
- * After about 30 seconds from the operation ends
- * When the motor lock is detected
- * When the seat belt is released

After the buckle SW interlock operation, the headrest position adjustment is restrained within the prescribed range until the ignition SW is turned to OFF or the seat belt is released.

5. DOOR OPEN INTERLOCK RETURN OPERATION

Using the multiplex communication, the rear seat ECU detects the rear door opening under the following conditions:

- * During rear doors are closed with the ignition SW being ON
- * Not during the manual operation and the buckle SW interlock operation
- * Not during the rear seat returning operation and when the door open interlock return operation is not canceled.
- * When the brake pedal is depressed while the vehicle speed becomes 5km/h or less
- * When the shift position is P

As a result of that, the rear seat ECU controls the motor to operate to move the rear seat position backward. However, the operation will stop under the following conditions:

- * When the ignition SW is turned to OFF
- * When the manual operation is performed
- * When the rear seat returning operation is performed
- * After about 30 seconds from the operation stops
- * When the motor lock is detected
- * When SET or C SW is turned to ON
- * When the buckle SW interlock operations is performed

Moreover, operating the C SW while the ignition SW is ON can set the door open interlock operation in active or not. However, it can not be set under the following conditions:

- * During the manual operation
- * During the memory regeneration operation
- * During the door open interlock return operation
- * During the rear seat returning operation
- * During the buckle SW interlock operation

SERVICE HINTS

R27 REAR LH SEAT ECU

- 1, 18-GROUND : Always approx. 12 volts
- 12, 24, 23-GROUND : Always continuity

R28 REAR RH SEAT ECU

- 1, 18-GROUND : Always approx. 12 volts
- 11, 12, 14, 23-GROUND : Always continuity

POWER SEAT (REAR PASSENGER'S SEAT) [LHD]

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page		
A14	116 (LHD)	J2	B	114 (LHD)	R14	A	122 (LHD)
A27	116 (LHD)	J11	A	117 (LHD)	R15	B	122 (LHD)
B6	125 (LHD)	J12	B	117 (LHD)	R16	A	122 (LHD)
B7	125 (LHD)	J24		121 (LHD)	R17	B	122 (LHD)
C6	116 (LHD)	J27		121 (LHD)	R21		122 (LHD)
C12	116 (LHD)	J30		121 (LHD)	R22		122 (LHD)
D2	117 (LHD)	J31		125 (LHD)	R27		125 (LHD)
D14	120 (LHD)	J32		125 (LHD)	R28		125 (LHD)
D15	120 (LHD)	N1		115 (LHD)	R29		125 (LHD)
D25	120 (LHD)	P3	A	118 (LHD)	S13		119 (LHD)
E3	A	112 (LHD)	P4	B	118 (LHD)	S17	119 (LHD)
E7	E	112 (LHD)	P46		125 (LHD)	S21	119 (LHD)
F17	120 (LHD)	P47		125 (LHD)	T5		119 (LHD)
G1	117 (LHD)	P48		125 (LHD)	T7		119 (LHD)
H24	125 (LHD)	P49		125 (LHD)	T9		119 (LHD)
H25	125 (LHD)	P50		125 (LHD)			
J1	A	114 (LHD)	P51		125 (LHD)		

○ : RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
1	81	Engine Room No.1 R/B (Engine Compartment Left)
2	82	Engine Room No.2 R/B (Engine Compartment Left)

○ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
DC	88 (LHD)	Engine Room Main Wire and Driver Side J/B (Left Kick Panel)
DE	87 (LHD)	Instrument Panel Wire and Driver Side J/B (Left Kick Panel)
DF		
DH		
DI		
DI	89 (LHD)	Floor No.2 Wire and Driver Side J/B (Left Kick Panel)
LC	110	Floor No.2 Wire and Luggage Room J/B (Luggage Room Left)
PC	93 (LHD)	Engine Room Main Wire and Passenger Side J/B (Right Kick Panel)
PE	94 (LHD)	Instrument Panel Wire and Passenger Side J/B (Right Kick Panel)
PH		
PI	95 (LHD)	Floor 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)
EB1	140 (LHD)	Engine Wire and Engine Room Main Wire (Inside of ECU Box)
IA1	142 (LHD)	Front Door LH Wire and Floor No.2 Wire (Left Kick Panel)
IH2	144 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Cowl Side Panel RH)
IJ1	144 (LHD)	Front Door RH Wire and Floor Wire (Right Kick Panel)
BA2	146 (LHD)	Rear Door No.2 Wire and Floor No.2 Wire (Left Center Pillar)
BB2	146 (LHD)	Rear Door No.1 Wire and Floor Wire (Right Center Pillar)
BC1	146 (LHD)	Floor No.2 Wire and Floor Wire (Rear Floor Partition Panel LH)
BE1	146 (LHD)	Floor No.2 Wire and Floor Wire (Lower Back Panel RH)
BH1	150 (LHD)	Rear Seat LH Wire and Floor No.2 Wire (Under the Rear Passenger's LH Seat)
BI1	150 (LHD)	Rear Seat RH Wire and Floor Wire (Under the Rear Passenger's RH Seat)

**: GROUND POINTS**

Code	See Page	Ground Points Location
IK	142 (LHD)	Cowl Side Panel RH
BM	146 (LHD)	Quarter Panel LH
BN	146 (LHD)	Rear Floor Partition Panel RH
BO	146 (LHD)	Quarter Panel RH
BP	150 (LHD)	Rear Passenger LH Seat Back
BQ	150 (LHD)	Rear Passenger RH Seat Back

**: SPLICE POINTS**

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
B3	146 (LHD)	Floor Wire	B10	150 (LHD)	Rear Seat RH Wire
B8	150 (LHD)	Rear Seat LH Wire			