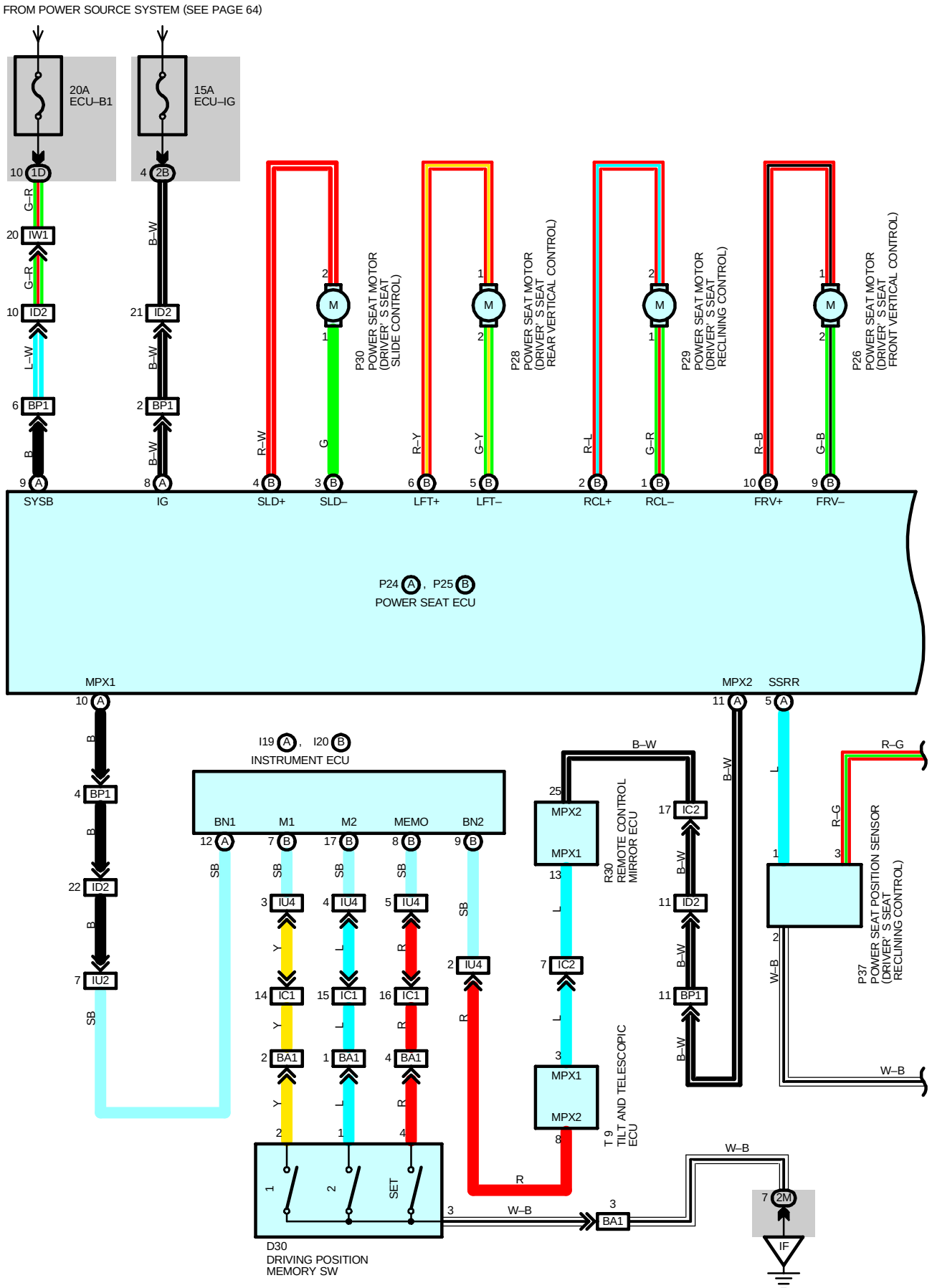
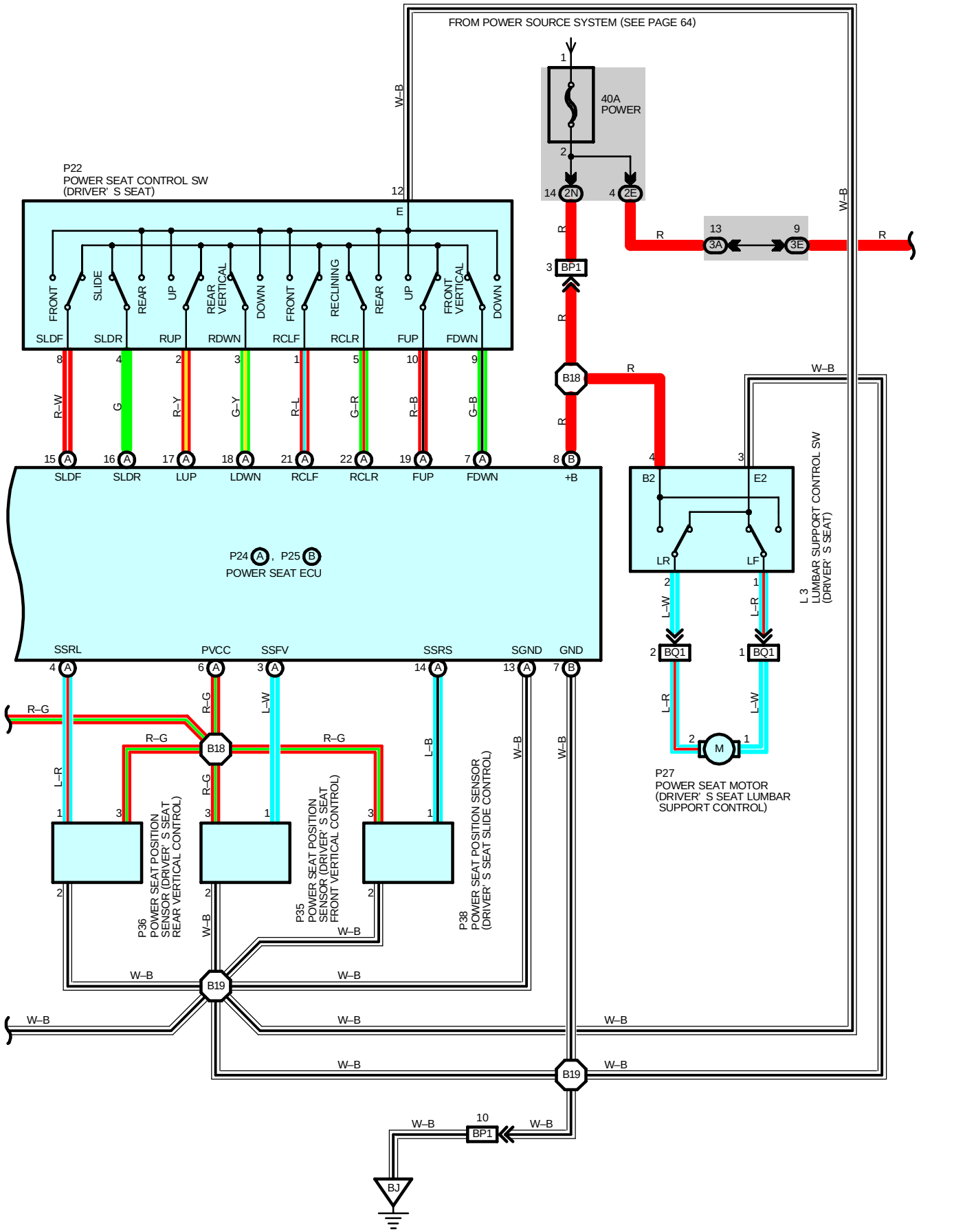
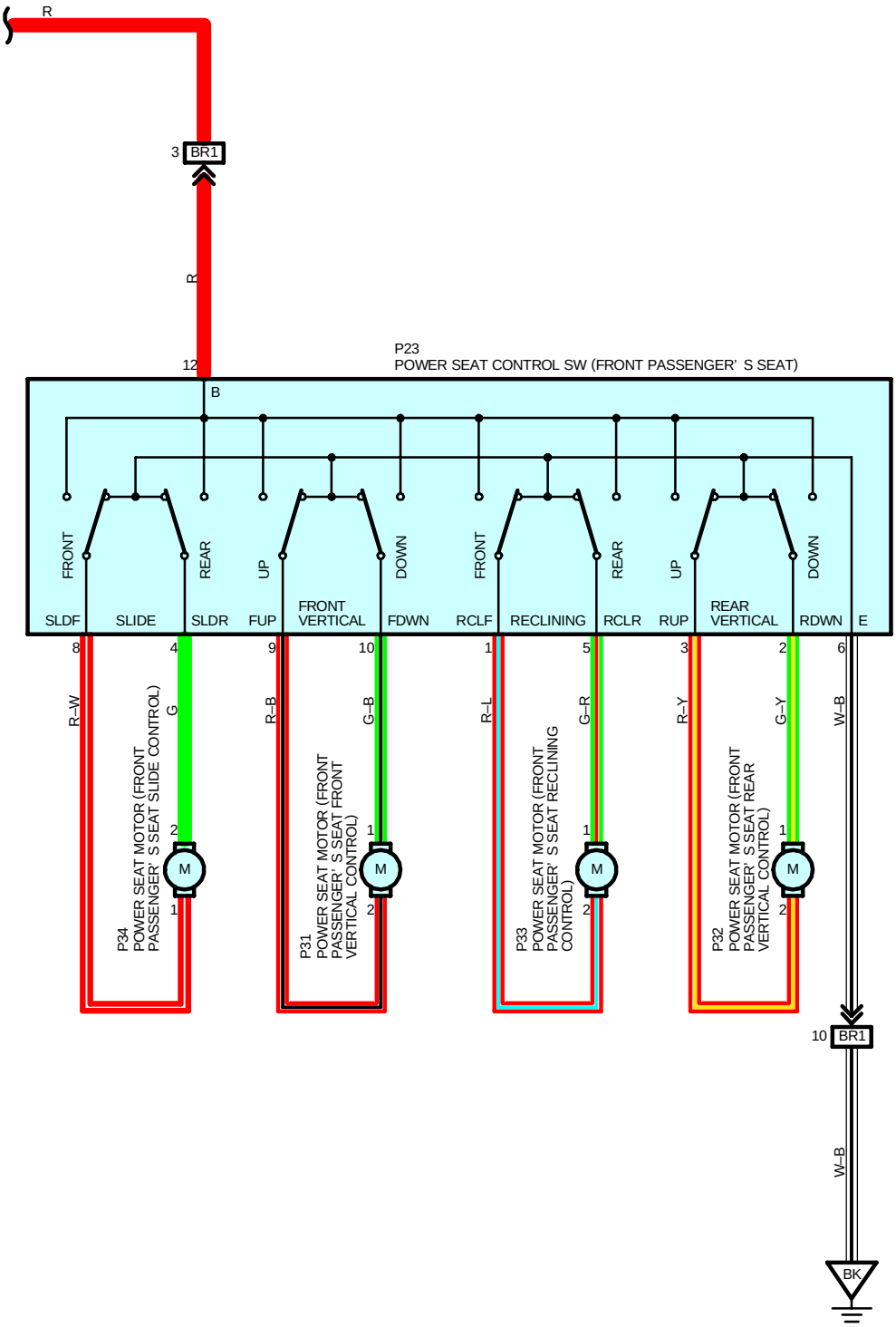
POWER SEAT


FROM POWER SOURCE SYSTEM (SEE PAGE 64)
20A
ECU–B1
15A
ECU–IG
10 1D
4 2B
G–R
20 IW1
G–R
10 ID2
L–W
6 BP1
B
9 A
SYSB
B–W
21 ID2
B–W
2 BP1
B–W
8 A
IG
R–W
G
P30
POWER SEAT MOTOR
(DRIVER' S SEAT
SLIDE CONTROL)
4 B
SLD+
3 B
SLD–
R–Y
G–Y
P28
POWER SEAT MOTOR
(DRIVER' S SEAT
REAR VERTICAL CONTROL)
6 B
LFT+
5 B
LFT–
R–L
G–R
P29
POWER SEAT MOTOR
(DRIVER' S SEAT
RECLINING CONTROL)
2 B
RCL+
1 B
RCL–
R–B
G–B
P26
POWER SEAT MOTOR
(DRIVER' S SEAT
FRONT VERTICAL CONTROL)
10 B
FRV+
9 B
FRV–
P24 A , P25 B
POWER SEAT ECU
MPX1
10 A
B
4 BP1
B
22 ID2
B
7 IU2
SB
I19 A , I20 B
INSTRUMENT ECU
BN1
12 A
SB
M1
7 B
SB
3 IU4
Y
14 IC1
Y
2 BA1
Y
2
M2
17 B
SB
4 IU4
L
15 IC1
L
1 BA1
L
1
MEMO
8 B
SB
5 IU4
R
16 IC1
R
4 BA1
R
4
BN2
9 B
SB
2 IU4
R
R
1
2
SET
3
W–B
3 BA1
W–B
D30
DRIVING POSITION
MEMORY SW
B–W
25
MPX2
MPX1
13
L
7 IC2
L
3
MPX1
MPX2
8
R30
REMOTE CONTROL
MIRROR ECU
T 9
TILT AND TELESCOPIC
ECU
17 IC2
B–W
11 ID2
B–W
11 BP1
B–W
MPX2
11 A
B–W
SSRR
5 A
L
1
2
W–B
R–G
3
R–G
P37
POWER SEAT POSITION SENSOR
(DRIVER' S SEAT
RECLINING CONTROL)
W–B
W–B
7 2M
IF


FROM POWER SOURCE SYSTEM (SEE PAGE 64)
W–B
1
40A
POWER
2
14 2N
4 2E
R
R
13
3A
9
3E
R
W–B
P22
POWER SEAT CONTROL SW
(DRIVER' S SEAT)
12
E
FRONT
SLIDE
REAR
UP
REAR VERTICAL
DOWN
FRONT
RECLINING
REAR
UP
FRONT VERTICAL
DOWN
SLDF
SLDR
RUP
RDWN
RCLF
RCLR
FUP
FDWN
8
4
2
3
1
5
10
9
R–W
G
R–Y
G–Y
R–L
G–R
R–B
G–B
15 A
16 A
17 A
18 A
21 A
22 A
19 A
7 A
SLDF
SLDR
LUP
LDWN
RCLF
RCLR
FUP
FDWN
3 BP1
R
B18
R
8 B
+B
P24 A , P25 B
POWER SEAT ECU
4
B2
3
E2
LR
LF
2
1
L–W
L–R
L 3
LUMBAR SUPPORT CONTROL SW
(DRIVER' S SEAT)
2 BQ1
1 BQ1
L–R
L–W
2
M
1
P27
POWER SEAT MOTOR
(DRIVER' S SEAT LUMBAR
SUPPORT CONTROL)
SSRL
PVCC
SSFV
SSRS
SGND
GND
4 A
6 A
3 A
14 A
13 A
7 B
R–G
R–G
L–W
L–B
W–B
W–B
R–G
R–G
R–G
B18
L–R
1
3
3
1
3
1
2
2
2
P36
POWER SEAT POSITION
SENSOR (DRIVER' S SEAT
REAR VERTICAL CONTROL)
P35
POWER SEAT POSITION
SENSOR (DRIVER' S SEAT
FRONT VERTICAL CONTROL)
P38
POWER SEAT POSITION SENSOR
(DRIVER' S SEAT SLIDE CONTROL)
W–B
W–B
W–B
W–B
W–B
W–B
W–B
W–B
W–B
B19
W–B
W–B
W–B
W–B
10
BP1
BJ

POWER SEAT


R
3
BR1
R
12
P23
POWER SEAT CONTROL SW (FRONT PASSENGER' S SEAT)
B
FRONT
REAR
UP
DOWN
FRONT
REAR
UP
DOWN
SLDF
SLIDE
SLDR
FUP
FRONT VERTICAL
FDWN
RCLF
RECLINING
RCLR
RUP
REAR VERTICAL
RDWN
E
8
4
9
10
1
5
3
2
6
R–W
G
R–B
G–B
R–L
G–R
R–Y
G–Y
W–B
P34
POWER SEAT MOTOR (FRONT PASSENGER' S SEAT SLIDE CONTROL)
P31
POWER SEAT MOTOR (FRONT PASSENGER' S SEAT FRONT VERTICAL CONTROL)
P33
POWER SEAT MOTOR (FRONT PASSENGER' S SEAT RECLINING CONTROL)
P32
POWER SEAT MOTOR (FRONT PASSENGER' S SEAT REAR VERTICAL CONTROL)
M
2
1
10
BR1
W–B
BK

SYSTEM OUTLINE

1. MANUAL SLIDE OPERATION (DRIVER'S SEAT)

When the slide SW is pressed to the front side, a signal is input to the power seat ECU TERMINAL (A) 15. This activates the power seat ECU and the current flows from power seat ECU TERMINAL (B) 4 to power seat motor (Driver's seat slide control) TERMINAL 2 to TERMINAL 1 to power seat ECU TERMINAL (B) 3 to GROUND, and the seat slides forward while the slide SW is kept pressed.

When the slide SW is pressed to the rear side, a signal is input to the power seat ECU TERMINAL (A) 16, and the current flows from power seat ECU TERMINAL (B) 3 to power seat motor (Driver's seat slide control) TERMINAL 1 to TERMINAL 2 to power seat ECU TERMINAL (B) 4 to GROUND, and the seat slides backward while the slide SW is kept pressed.

At this time, the power seat position sensor (Driver's seat slide control) constantly detects the position of the seat, and inputs a signal to the power seat ECU TERMINAL (A) 14.

2. MANUAL RECLINING CONTROL (DRIVER'S SEAT)

When the reclining SW is pressed to the front side,a signal is input to the power seat ECU TERMINAL (A) 21. This activates the power seat ECU and the current flows from power seat ECU TERMINAL (B) 2 to power seat motor (Driver's seat reclining control) TERMINAL 2 to TERMINAL 1 to power seat ECU TERMINAL (B) 1 to GROUND, and the seat back reclines forward while the reclining SW is kept pressed.

When the reclining SW is pressed to the rear side,a signal is input to the power seat ECU TERMINAL (A) 22, and the current flows from power seat ECU TERMINAL (B) 1 to power seat motor (Driver's seat reclining control) TERMINAL 1 to TERMINAL 2 to power seat ECU TERMINAL (B) 2 to GROUND, and the seat back reclines backward while the reclining SW is kept pressed.

At this time, the power seat position sensor (Driver's seat reclining control) constantly detects the position of the seat back, and inputs a signal to the power seat ECU TERMINAL (A) 5.

3. MANUAL FRONT VERTICAL CONTROL (DRIVER'S SEAT)

When the front side of the front vertical SW is pulled up, a signal is input to the power seat ECU TERMINAL (A) 19. This activates the power seat ECU and the current flows from power seat ECU TERMINAL (B) 10 to power seat motor (Driver's seat front vertical control) TERMINAL 1 to TERMINAL 2 to power seat ECU TERMINAL (B) 9 to GROUND, and the front side of the seat cushion moves up while the front vertical SW is kept pressed.

When the power seat front vertical SW is pressed down, a signal is input to the power seat ECU TERMINAL (A) 7, and the current flows from power seat ECU TERMINAL (B) 9 to power seat motor (Driver's seat front vertical control) TERMINAL 2 to TERMINAL 1 to power seat ECU TERMINAL (B) 10 to GROUND, and the front side of the seat cushion moves down while the front vertical SW is kept pressed.

At this time, the power seat position sensor (Driver's seat front vertical control) constantly detects the position of the seat cushion (front side), and inputs a signal to the power seat ECU TERMINAL (A) 3.

4. MANUAL REAR VERTICAL OPERATION (DRIVER'S SEAT)

When the rear side of the rear vertical SW is pulled up, a signal is input to the power seat ECU TERMINAL (A) 17. This activates the power seat ECU and the current flows from power seat ECU TERMINAL (B) 6 to power seat motor (Driver's seat rear vertical control) TERMINAL 1 to TERMINAL 2 to power seat ECU TERMINAL (B) 5 to GROUND, and the all seat moves up while the rear vertical SW is kept pressed.

When the rear vertical SW is pressed down, a signal is input to the power seat ECU TERMINAL (A) 18, and the current flows from power seat ECU TERMINAL (B) 5 to power seat motor (Driver's seat rear vertical control) TERMINAL 2 to TERMINAL 1 to power seat ECU TERMINAL (B) 6 to GROUND, and the all seat moves down while the rear vertical SW is kept pressed.

At this time, the power seat position sensor (Driver's seat rear vertical control) constantly detects the position of the all seat, and inputs a signal to the power seat ECU TERMINAL (A) 4.

5. MANUAL LUMBAR SUPPORT OPERATION (DRIVER'S SEAT)

When the lumbar support control SW (Driver's seat) is pressed to the front side, the current from the POWER fuse flows to the lumbar support control SW (Driver's seat) TERMINAL 4 to TERMINAL 1 to power seat motor (Driver's seat lumbar support control) TERMINAL 1 to TERMINAL 2 to lumbar support control SW (Driver's seat) TERMINAL 2 to TERMINAL 3 to GROUND, and the lumbar support moves forward.

When the lumbar support control SW (Driver's seat) is pressed to the rear side, the current from the POWER fuse flows to the lumbar support control SW (Driver's seat) TERMINAL 4 to TERMINAL 2 to power seat motor (Driver's seat lumbar support control) TERMINAL 2 to TERMINAL 1 to lumbar support control SW (Driver's seat) TERMINAL 1 to TERMINAL 3 to GROUND, and the lumbar support moves backward.

6. DRIVING POSITION MEMORY FUNCTION (DRIVER'S SEAT)

The seat motor rotation amount (How much the seat has been moved) is detected by the position sensor, and is input into the power seat ECU. The driving position memory SW allows recording and recalling the seat position memory. The recording and recalling is controlled through the communication control among the instrument ECU, tilt and telescopic ECU, remote control mirror ECU etc.

POWER SEAT

SERVICE HINTS

P24 (A), P25 (B) POWER SEAT ECU

(A) 9–GROUND : Always approx. **12** volts
(B) 8–GROUND : Always approx. **12** volts
(B) 7–GROUND : Always continuity
(A)13–GROUND : Always continuity
(A) 8–GROUND : Approx. **12** volts with ignition SW at **ON** or **ST** position
(B) 1–GROUND : Approx. **12** volts with driver's seat at rear reclining operation
(B) 2–GROUND : Approx. **12** volts with driver's seat at front reclining operation
(B)10–GROUND : Approx. **12** volts with driver's seat at front vertical up operation
(B) 9–GROUND : Approx. **12** volts with driver's seat at front vertical down operation
(B) 6–GROUND : Approx. **12** volts with driver's seat at rear vertical up operation
(B) 5–GROUND : Approx. **12** volts with driver's seat at rear vertical down operation
(B) 3–GROUND : Approx. **12** volts with driver's seat at rear slide operation
(B) 4–GROUND : Approx. **12** volts with driver's seat at front slide operation

P22 POWER SEAT CONTROL SW (DRIVER'S SEAT)

12–1 : Closed with driver's seat at front reclining operation
12–5 : Closed with driver's seat at rear reclining operation
12–10 : Closed with driver's seat at front vertical up operation
12–9 : Closed with driver's seat at front vertical down operation
12–2 : Closed with driver's seat at rear vertical up operation
12–3 : Closed with driver's seat at rear vertical down operation
12–8 : Closed with driver's seat at front slide operation
12–4 : Closed with driver's seat at rear slide operation

L3 LUMBAR SUPPORT CONTROL SW (DRIVER'S SEAT)

4–GROUND : Always approx. **12** volts
3–GROUND : Always continuity

○ : PARTS LOCATION

Code		See Page	Code	See Page	Code	See Page
D30		42	P26	44	P34	44
I19	A	40	P27	44	P35	44
I20	B	40	P28	44	P36	44
L3		44	P29	44	P37	44
P22		44	P30	44	P38	44
P23		44	P31	44	R30	43
P24	A	44	P32	44	T9	41
P25	B	44	P33	44		

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1D	23	Engine Room No.2 Wire and Engine Room J/B (Engine Compartment Left)
2B	26	Dash Wire and Cowl Side J/B LH (Left Kick Panel)
2E	26	Engine Room No.2 Wire and Cowl Side J/B LH (Left Kick Panel)
2M	26	Front Door LH Wire and Cowl Side J/B LH (Left Kick Panel)
2N	26	Floor Wire and Cowl Side J/B LH (Left Kick Panel)
3A	32	Engine Room No.2 Wire and Cowl Side J/B RH (Right Kick Panel)

 **: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR**

Code	See Page	Junction Block and Wire Harness (Connector Location)
3E	32	Floor No.2 Wire and Cowl Side J/B RH (Right Kick Panel)

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC1	48	Front Door LH Wire and Dash Wire (Left Kick Panel)
IC2		
ID2	48	Dash Wire and Floor Wire (Left Kick Panel)
IU2	52	Instrument Panel Integration Wire and Dash Wire (Behind the Glove Box)
IU4		
IW1	54	Engine Room No.2 Wire and Dash Wire (Behind the Glove Box)
BA1	56	Front Door LH Wire and Front Door LH Sub Wire (Front Door LH)
BP1	60	Floor Wire and Front Seat LH Wire (Front Side Under the Driver's Seat)
BQ1	60	Seat No.2 Wire and Front Seat LH Wire (Rear Side Under the Driver's Seat)
BR1	60	Floor No.2 Wire and Front Seat RH Wire (Front Side Under the Front Passenger's Seat)

: GROUND POINTS

Code	See Page	Ground Points Location
IF	48	Set Bolt of Cowl Side J/B LH
BJ	56	Under the Driver's Seat
BK	56	Front Side Under the Front Passenger's Seat

: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
B18	60	Front Seat LH Wire	B19	60	Front Seat LH Wire