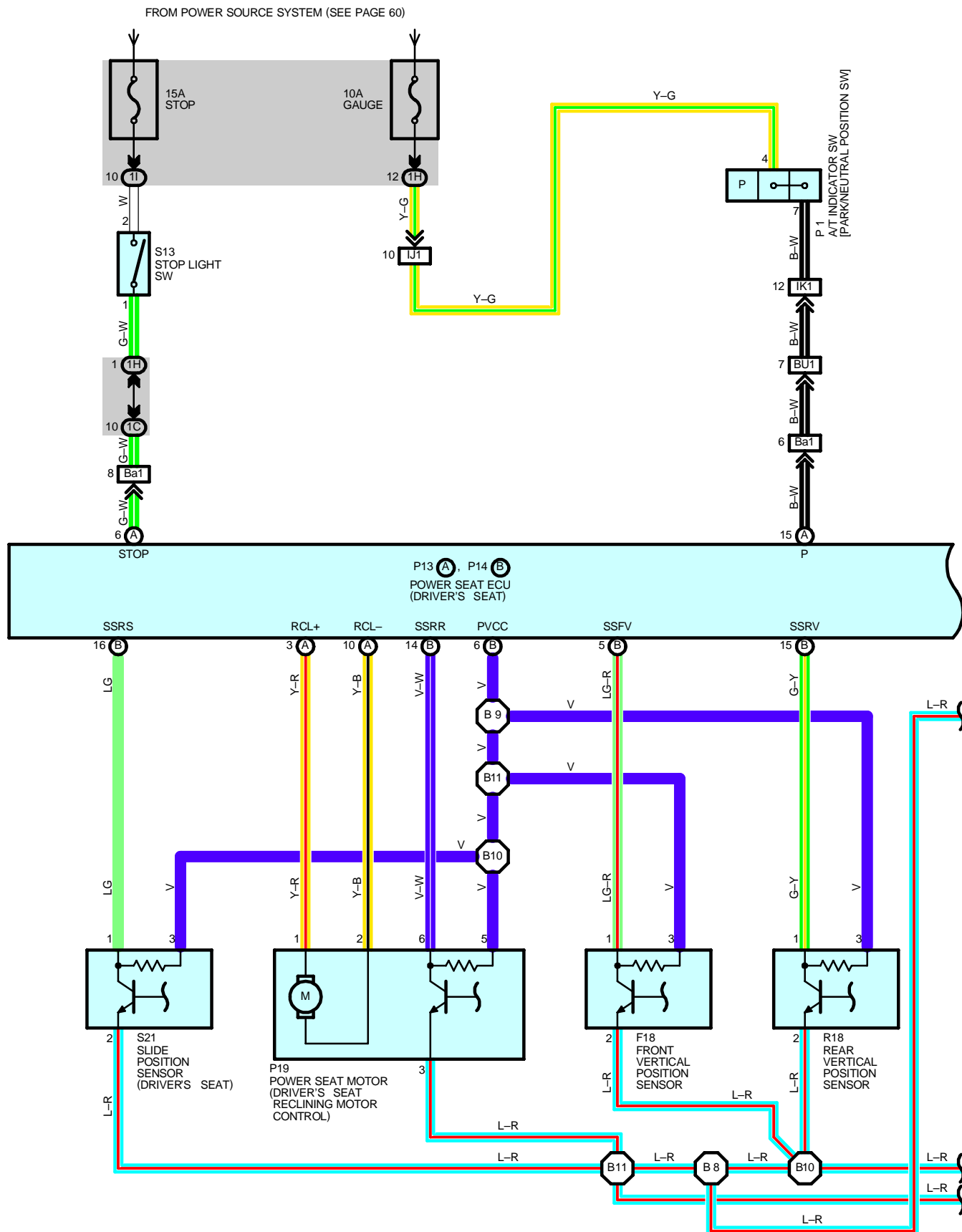
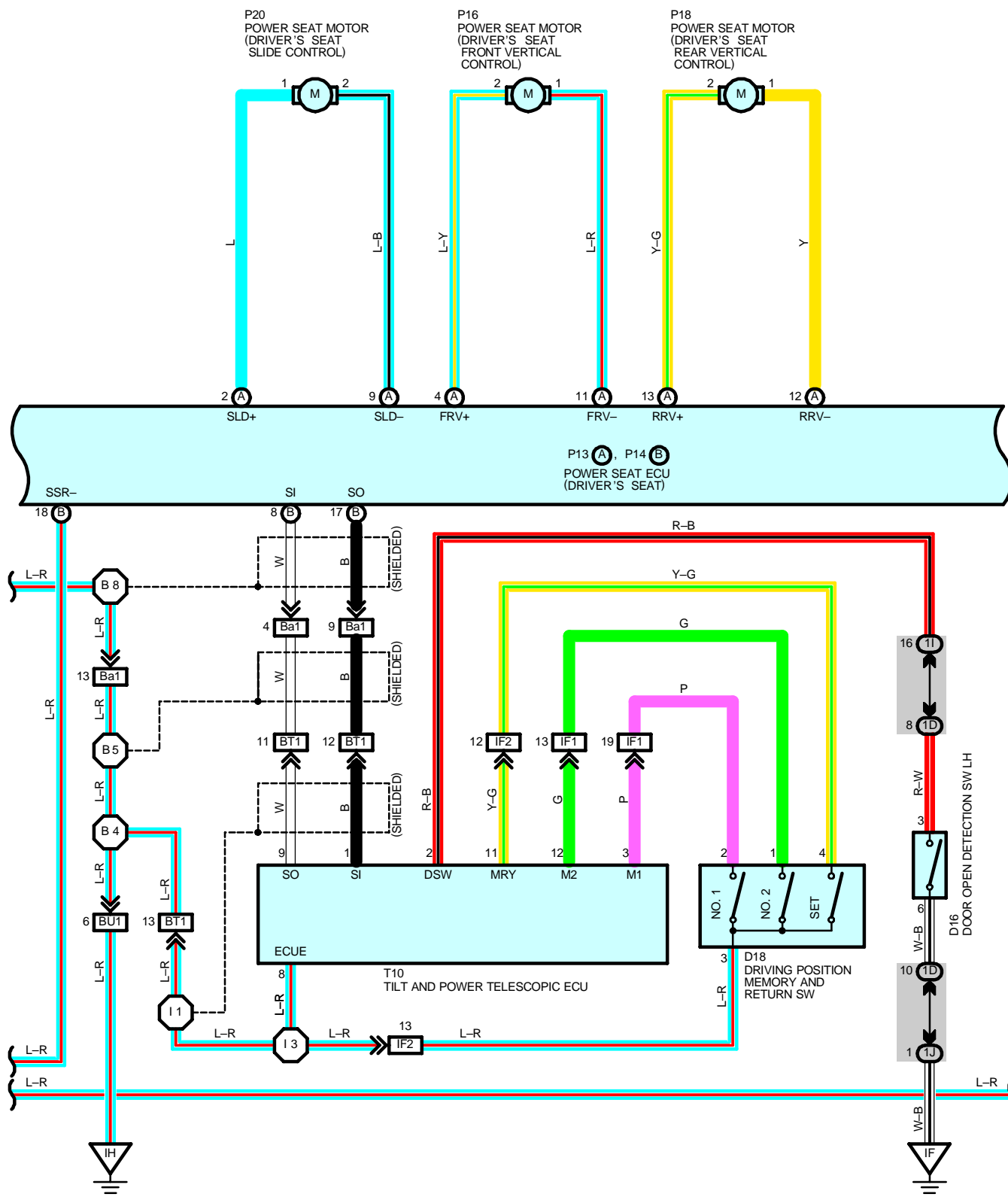
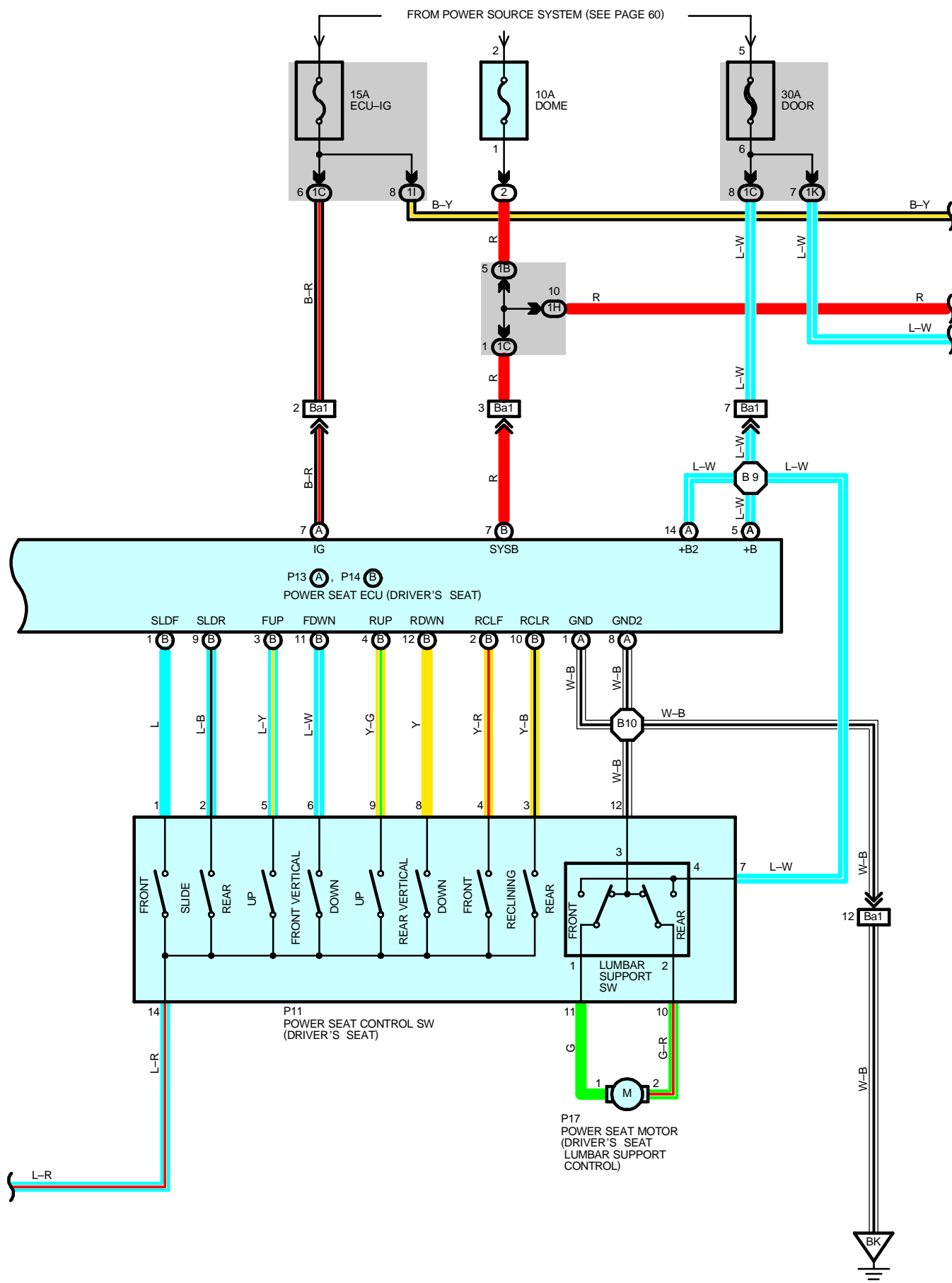


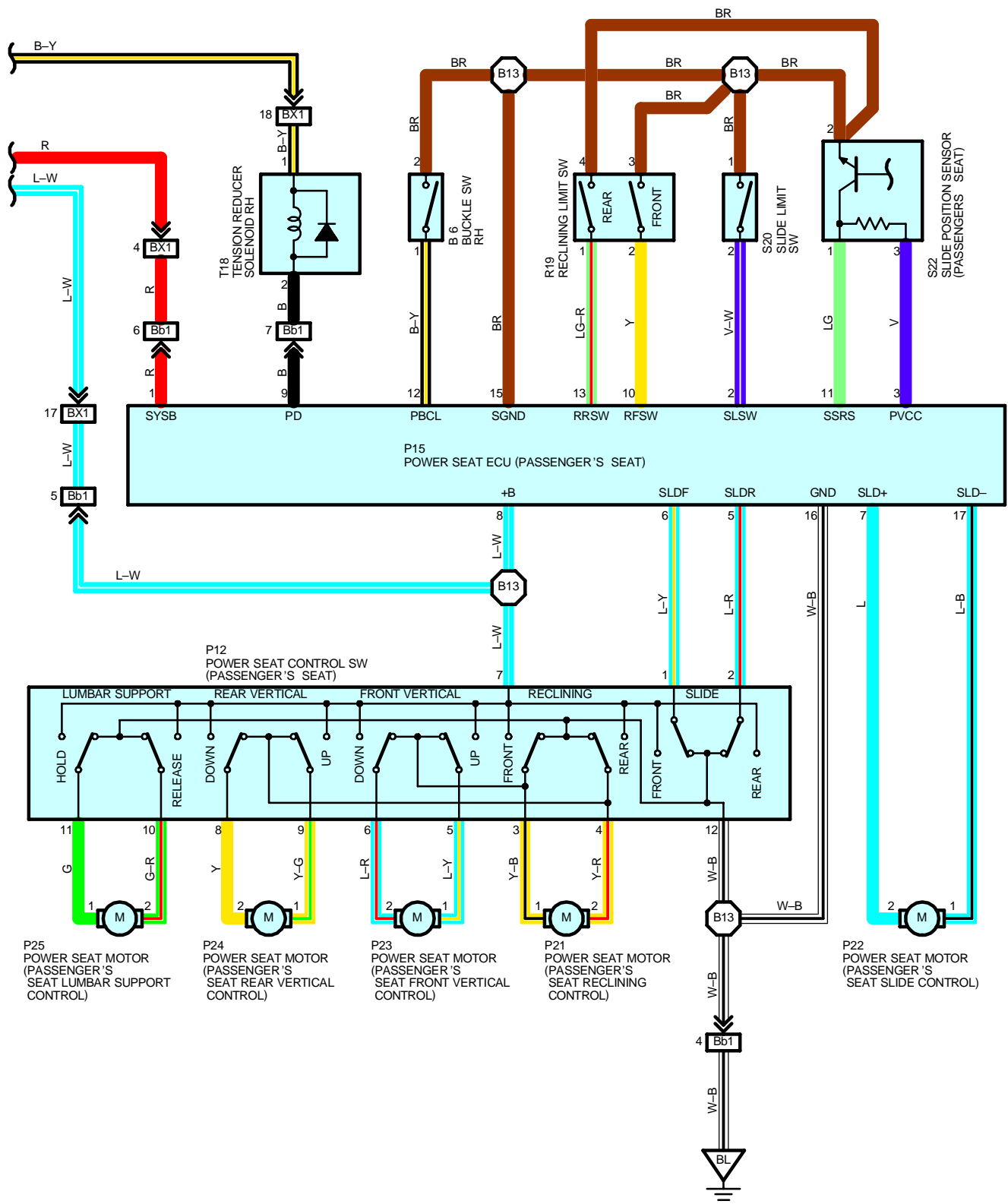
POWER SEAT (w/ DRIVING POSITION MEMORY)





POWER SEAT (w/ DRIVING POSITION MEMORY)





POWER SEAT (w/ DRIVING POSITION MEMORY)

SYSTEM OUTLINE

Current is always applied from the **DOME** fuse to **TERMINAL SYSB** of the power seat ECU, from the **DOOR** fuse to **TERMINAL +B** of the power seat ECU and from the **STOP** fuse to **TERMINAL 2** of the stop light SW.

When the ignition SW is turned on, current flows from **ECU-IG** fuse to **TERMINAL IG** of the power seat ECU and from the **GAUGE** fuse to **TERMINAL 4** of the A/T indicator SW.

POWER SEAT OPERATION (DRIVER'S SEAT)

Current is always applied to **TERMINAL SYSB** and **TERMINAL +B** of the power seat ECU so that the power seat ECU is always ready to operate.

When the power seat control SW is pushed to the **FRONT SLIDE** position side, a signal is input into **TERMINAL SLDF** of the power seat ECU, the ECU operates and the current to **TERMINAL +B** of the power seat ECU flows from **TERMINAL SLD+** of the power seat ECU to **TERMINAL 1** of the power seat motor (Driver's seat slide control) to **TERMINAL 2** to **TERMINAL SLD-** of the power seat ECU to **TERMINAL GND** to **GROUND**, rotating the power seat motor so that the seat slides forward while the power seat control SW is being pressed.

To slide the driver's seat to the rear, pushing the power seat control SW to the **REAR SLIDE** position side, inputs a signal to **TERMINAL SLDR** of the power seat ECU. This causes the current flowing from the ECU to the motor to flow from **TERMINAL SLD-** of the power seat ECU to **TERMINAL 2** of the power seat motor (Driver's seat slide control) to **TERMINAL 1** to **TERMINAL SLD+** of the power seat ECU, flowing the reverse to front slide operation and causing the motor to rotate in reverse, so that the driver's seat moves to the rear.

The movement to other positions occurs similarly, so only the flow of current to each motor is shown.

FRONT VERTICAL CONTROL UP OPERATION

TERMINAL +B of the power seat ECU to **TERMINAL FRV+** to **TERMINAL 2** of the power seat motor to **TERMINAL 1** to **TERMINAL FRV-** of the ECU to **TERMINAL GND** to **GROUND**.

FRONT VERTICAL CONTROL DOWN OPERATION

TERMINAL +B of the power seat ECU to **TERMINAL FRV-** to **TERMINAL 1** of the power seat motor to **TERMINAL 2** to **TERMINAL FRV+** of the ECU to **TERMINAL GND** to **GROUND**.

REAR VERTICAL CONTROL UP OPERATION

TERMINAL +B of the power seat ECU to **TERMINAL RRV+** to **TERMINAL 2** of the power seat motor to **TERMINAL 1** to **TERMINAL RRV-** of the ECU to **TERMINAL GND** to **GROUND**.

REAR VERTICAL CONTROL DOWN OPERATION

TERMINAL +B of the power seat ECU to **TERMINAL RRV-** to **TERMINAL 1** of the power seat motor to **TERMINAL 2** to **TERMINAL RRV+** of the ECU to **TERMINAL GND** to **GROUND**.

LUMBAR SUPPORT CONTROL FRONT OPERATION

TERMINAL 7 of the power seat control SW to **TERMINAL 4** of lumbar support SW to **TERMINAL 1** to **TERMINAL 11** of the power seat control SW to **TERMINAL 1** of the power seat motor to **TERMINAL 2** to **TERMINAL 10** of the power seat control SW to **TERMINAL 2** of the lumbar support SW to **TERMINAL 3** to **TERMINAL 12** of the power seat control SW to **GROUND**.

LUMBAR SUPPORT CONTROL REAR OPERATION

TERMINAL 7 of the power seat control SW to **TERMINAL 4** of lumbar support SW to **TERMINAL 2** to **TERMINAL 10** of the power seat control SW to **TERMINAL 2** of the power seat motor to **TERMINAL 1** to **TERMINAL 11** of the power seat control SW to **TERMINAL 1** of the lumbar support SW to **TERMINAL 3** to **TERMINAL 12** of the power seat control SW to **GROUND**.

The number of turns of each motor (Amount of movement of each part of the seat) is detected by the position sensors and input to the ECU, making it possible to perform memory and return functions for the seat position using the driving position memory and return SW.

POWER WALK-IN OPERATION (PASSENGER'S SEAT)

Walk-in operation

When the walk-in pedal is depressed or the reclining handle is lifted up, the seat back reclines fully forward and reclining limit SW No. 2 operates, so a signal is input to **TERMINAL RFSW** of the power seat ECU to **TERMINAL SLD+** to **TERMINAL 2** of the power seat motor (Passenger's seat slide control) to motor to **TERMINAL 1** to **TERMINAL SLD-** of the ECU to **TERMINAL GND** to **GROUND**. This causes the seat to slide forward **100** mm in the walk-in mode.

However, when the initial slide position is **100** mm or less from the most fore position, the seat can only slide forward as far as the most fore position.

RETURN OPERATION

When the seat back is raised up from the walk-in position and returned to the upright lock position, reclining limit SW No. 1 operates and a signal is input to **TERMINAL RRSW** of the power seat ECU to **TERMINAL SLD-** to **TERMINAL 1** of the power seat motor (Passenger's seat slide control) to **TERMINAL 2** to **TERMINAL SLD+** of the ECU to **TERMINAL GND** to **GROUND**. This causes the seat to slide back to a position **120** mm from the most rear position, completing return operation.

However, if the seat is positioned within **120** mm of the most rear position, return operation does not occur, thus maintaining sufficient space for the rear seat passenger.

SERVICE HINTS

D16 DOOR OPEN DETECTION SW LH

3-6 : Closed with front LH door open

P1 A/T INDICATOR SW [PARK/NEUTRAL POSITION SW]

4-7 : Closed with shift lever at **P** position

P13 (A), P14 (B) POWER SEAT ECU (DRIVER'S SEAT)

(A) 6-GROUND : Approx. **12** volts with stop light SW on

(B) 7-GROUND : Always approx. **12** volts

(A) 7-GROUND : Approx. **12** volts with ignition SW on

(A) 15-GROUND : Approx. **12** volts with ignition SW on and shift lever at **P** position

(A) 2-GROUND : Approx. **12** volts with driver's seat at front slide operation

(A) 9-GROUND : Approx. **12** volts with driver's seat at rear slide operation

(A) 4-GROUND : Approx. **12** volts with driver's seat at front vertical up operation

(A) 11-GROUND : Approx. **12** volts with driver's seat at front vertical down operation

(A) 13-GROUND : Approx. **12** volts with driver's seat at rear vertical up operation

(A) 12-GROUND : Approx. **12** volts with driver's seat at rear vertical down operation

(B) 18-GROUND : Always continuity

(A) 5, (A) 14-GROUND : Always approx. **12** volts

(A) 1, (A) 8-GROUND : Always continuity

P11 POWER SEAT CONTROL SW (DRIVER'S SEAT)

4-14 : Closed with driver's seat at front reclining operation

3-14 : Closed with driver's seat at rear reclining operation

1-14 : Closed with driver's seat at front slide operation

2-14 : Closed with driver's seat at rear slide operation

5-14 : Closed with driver's seat at front vertical up operation

6-14 : Closed with driver's seat at front vertical down operation

9-14 : Closed with driver's seat at rear vertical up operation

8-14 : Closed with driver's seat at rear vertical down operation

P15 POWER SEAT ECU (PASSENGER'S SEAT)

1-GROUND : Always approx. **12** volts

8-GROUND : Always approx. **12** volts

7-GROUND : Approx. **12** volts with passenger's seat at front slide operation

17-GROUND : Approx. **12** volts with passenger's seat at rear slide operation

S13 STOP LIGHT SW

2-1 : Closed with stop light SW on

POWER SEAT (w/ DRIVING POSITION MEMORY)

: PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
B6	34	P15	34	P25	34
D16	32	P16	34	R18	34
D18	32	P17	34	R19	34
F18	34	P18	34	S13	31
P1	27 (1UZ-FE)	P19	34	S20	34
	29 (2JZ-GE)	P20	34	S21	34
P11	34	P21	34	S22	34
P12	34	P22	34	T10	31
P13	A 34	P23	34	T18	33
P14	B 34	P24	34		

: RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
2	19	R/B No. 2 (Engine Compartment Left)

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1B	20	Engine Room Main Wire and J/B No. 1 (Left Kick Panel)
1C	20	Floor Main Wire and J/B No. 1 (Left Kick Panel)
1D	20	Front Door LH Wire and J/B No. 1 (Left Kick Panel)
1H	20	Cowl Wire and J/B No. 1 (Left Kick Panel)
1I		
1J		
1K		

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IF1	40	Front Door LH Wire and Cowl Wire (Left Kick Panel)
IF2		
IJ1	40	Engine Wire and Cowl Wire (Right Kick Panel)
IK1	42	Engine Wire and Instrument Panel Wire (Right Kick Panel)
BT1	44	Floor Main Wire and Cowl Wire (Left Kick Panel)
BU1	44	Instrument Panel Wire and Floor Main Wire (Left Kick Panel)
BX1	44	Floor No. 3 Wire and Cowl Wire (Right Kick Panel)
Ba1	46	Floor Main Wire and Front Seat LH Wire (Under the Front LH Seat)
Bb1	46	Floor No. 3 Wire and Front Seat RH Wire (Under the Front RH Seat)

: GROUND POINTS

Code	See Page	Ground Points Location
IF	40	Left Kick Panel
IH	40	Under the Ashtray LH
BK	44	Under the Center Pillar LH
BL	44	Under the Center Pillar RH



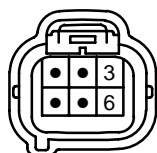
: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I1	42	Cowl Wire	B9	46	Front Seat LH Wire
I3			B10		
B4	44	Floor Main Wire	B11		
B5			B13	46	Front Seat RH Wire
B8	46	Front Seat LH Wire			

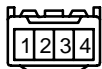
B6 ORANGE



D16 GRAY



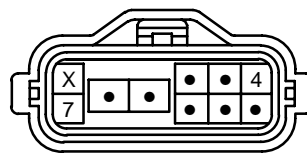
D18 BLACK



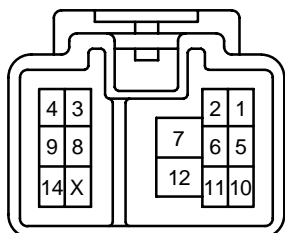
F18 BLUE



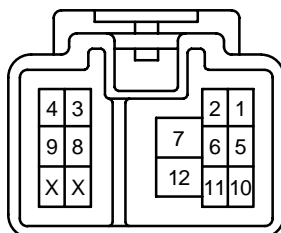
P1 GRAY



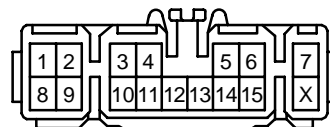
P11



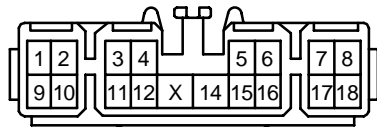
P12



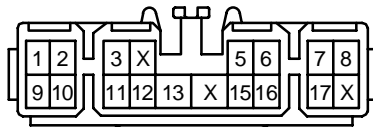
P13 (A)



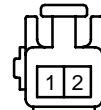
P14 (B)



P15



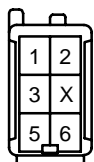
P16, P18 ORANGE



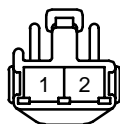
P17, P25



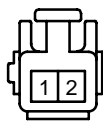
P19



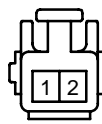
P20, P22 GREEN



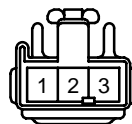
P21



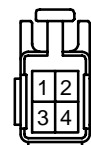
P23, P24 ORANGE



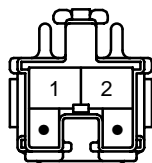
R18 GRAY



R19 BLUE



S13



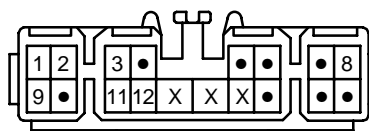
S20 BLUE



S21, S22



T10



T18

