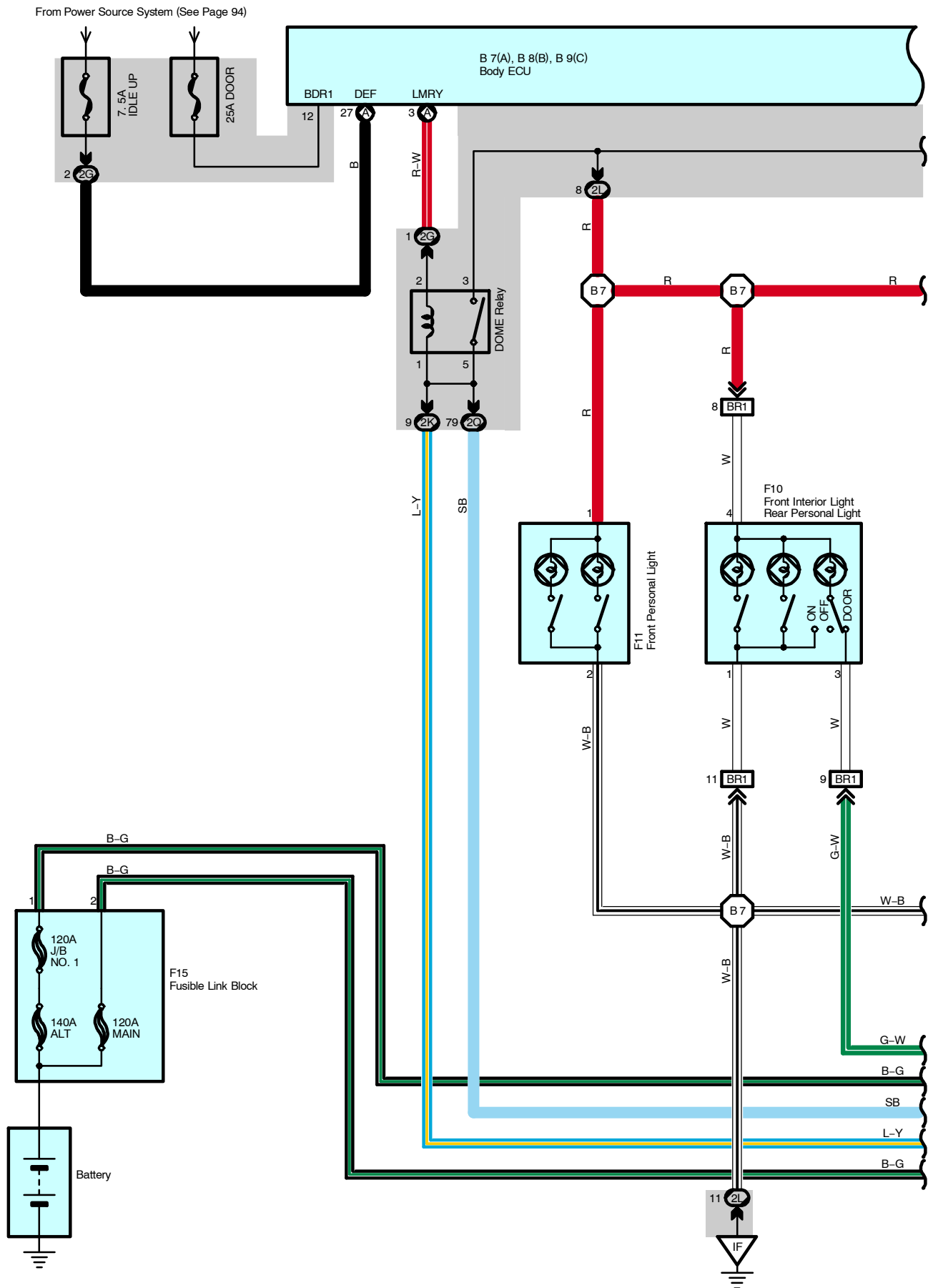
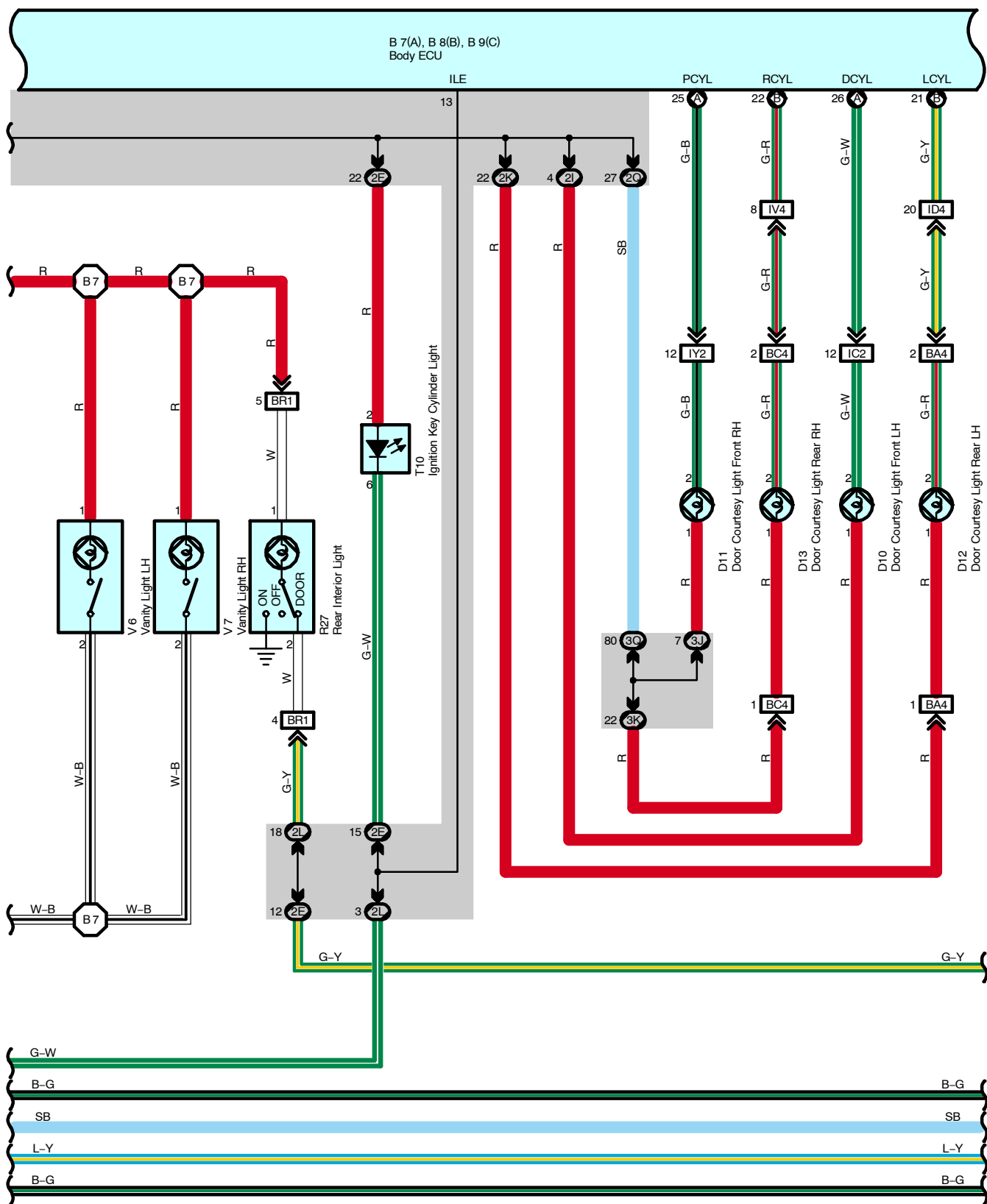
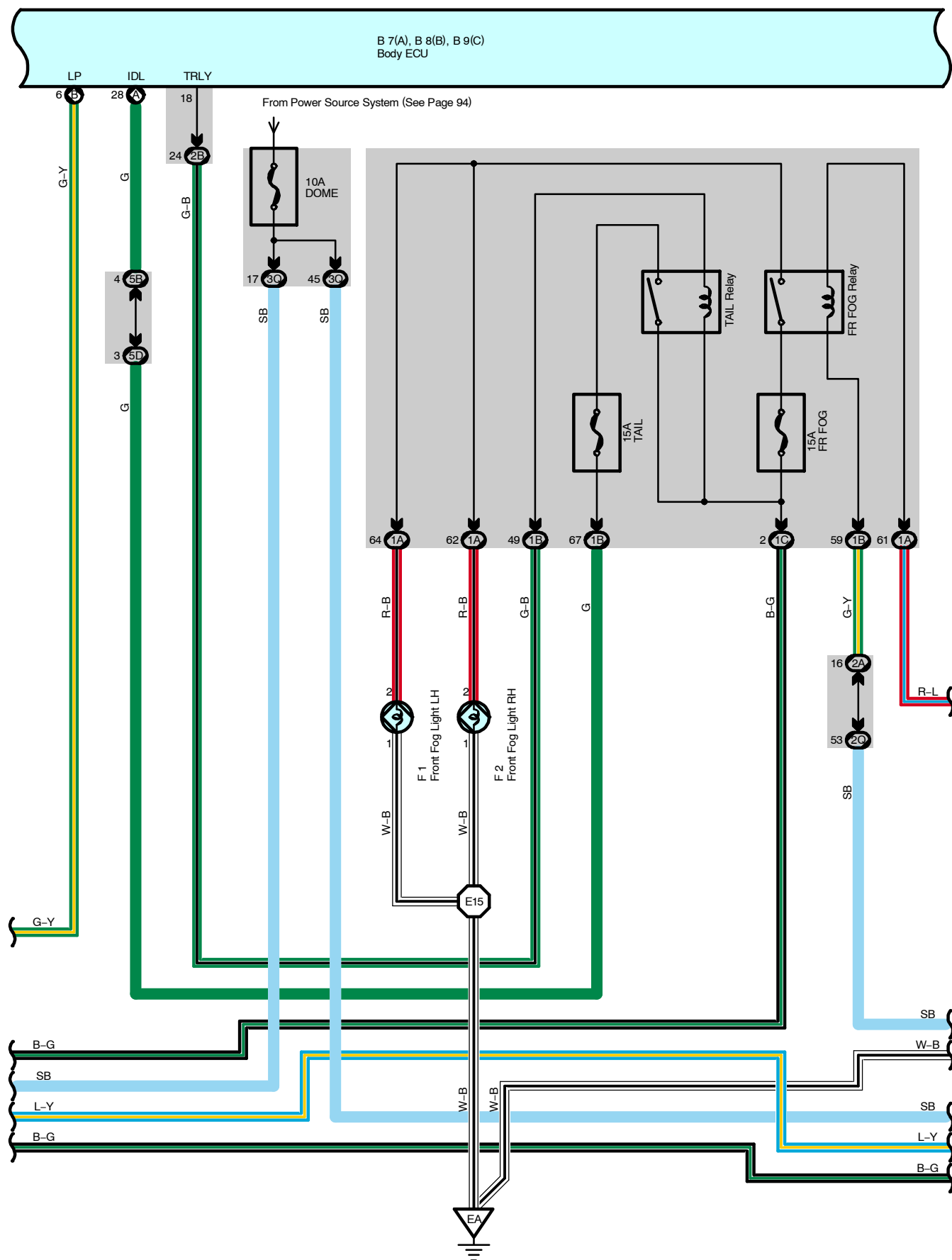


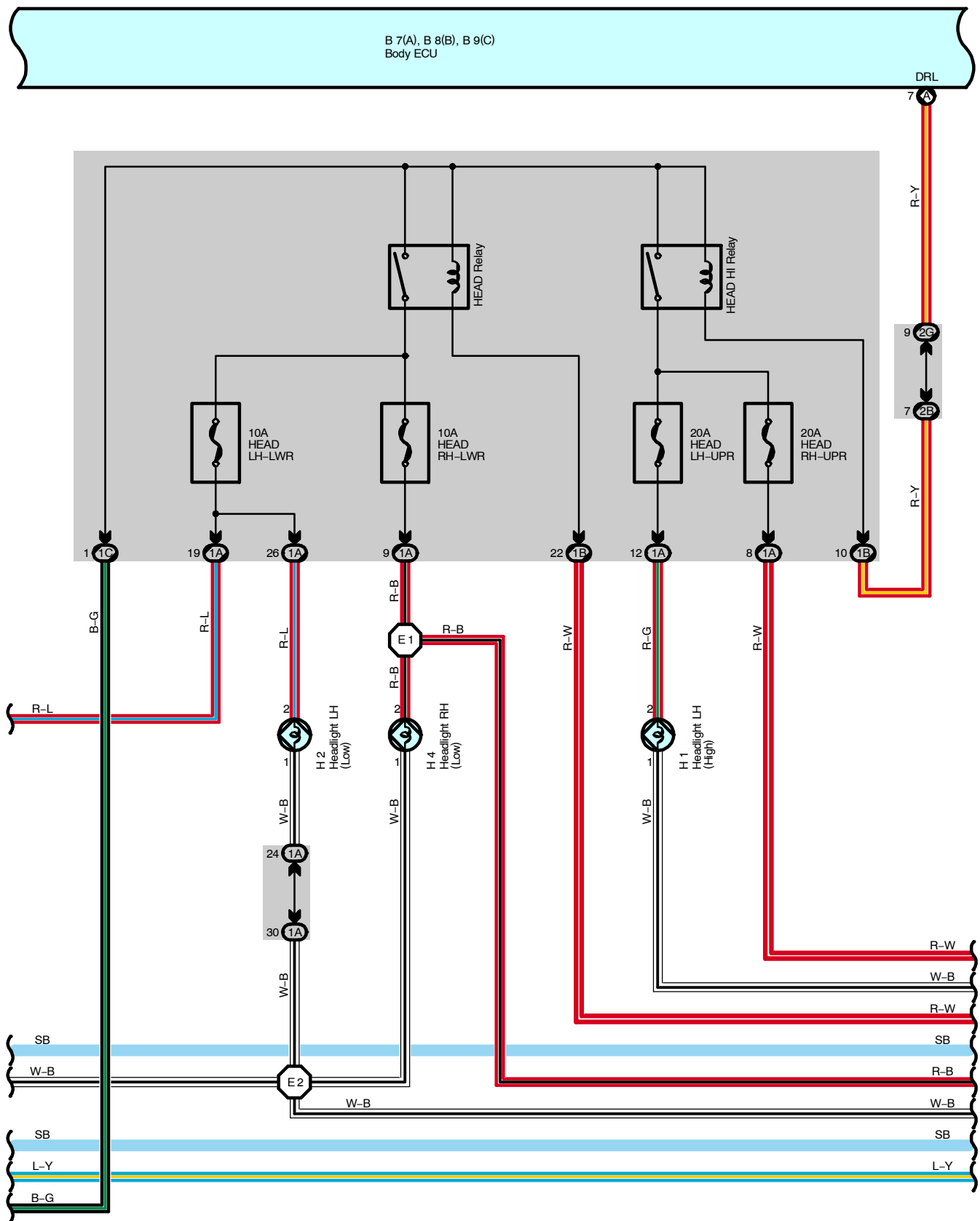
Multiplex Communication System

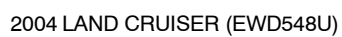




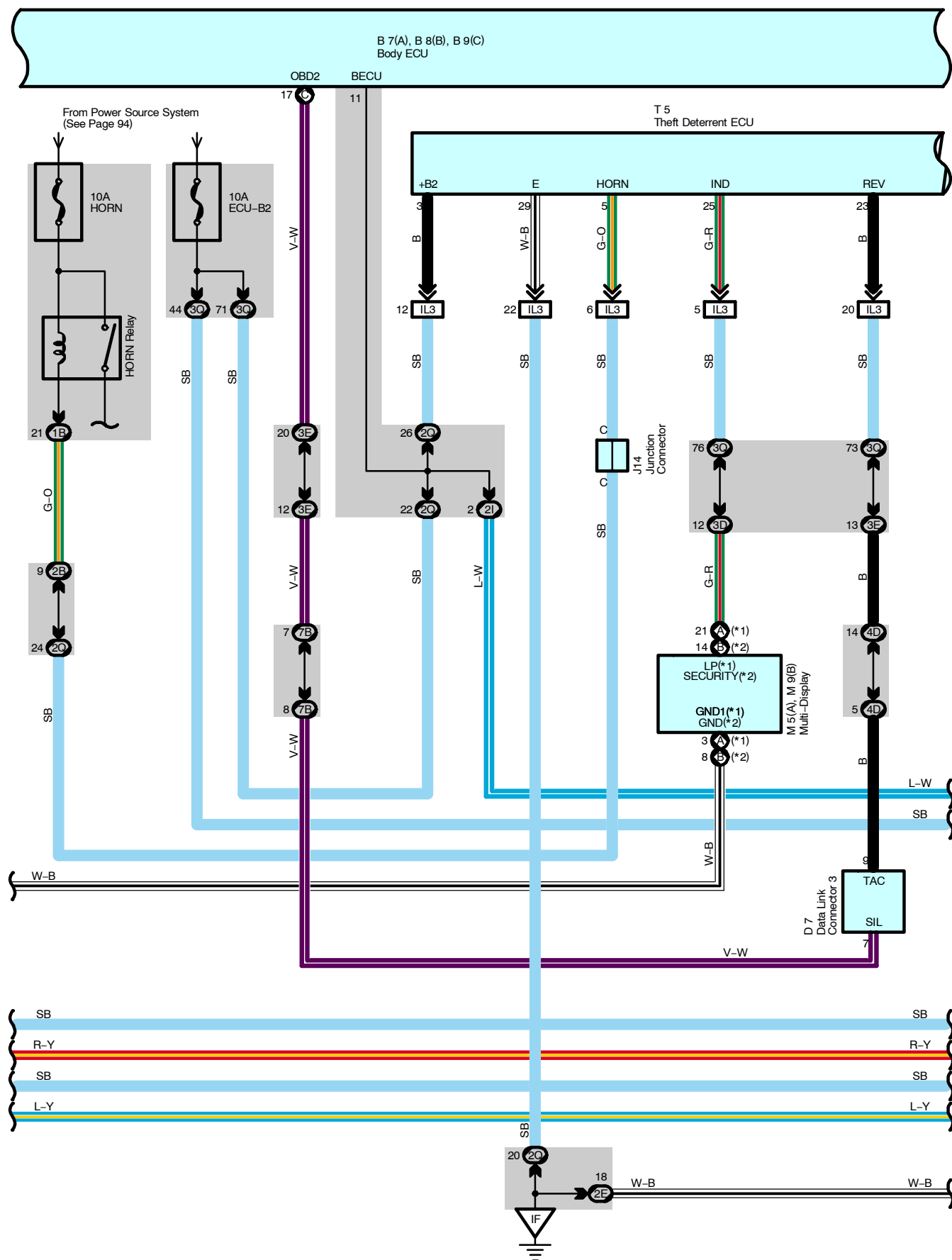
Multiplex Communication System

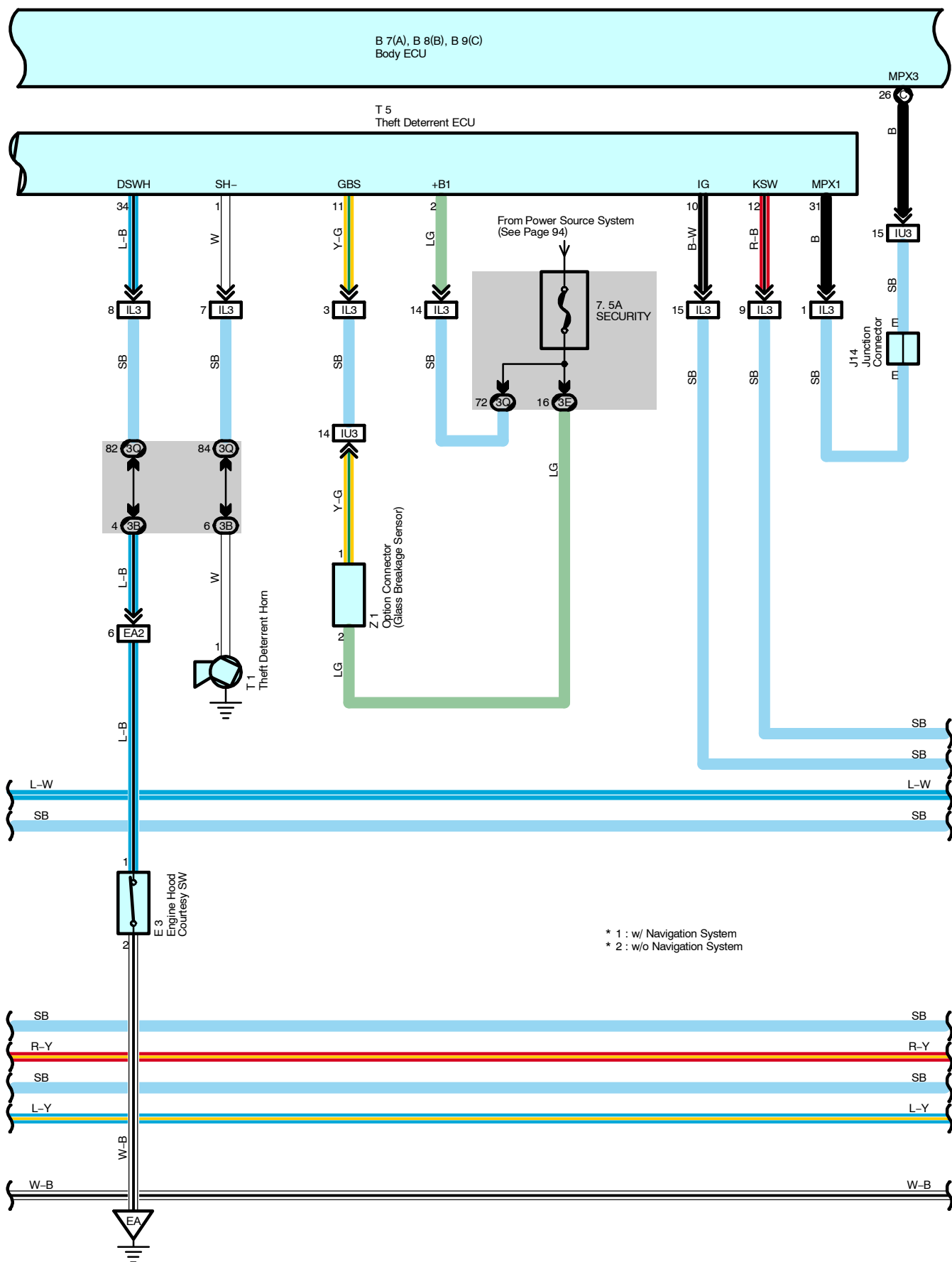




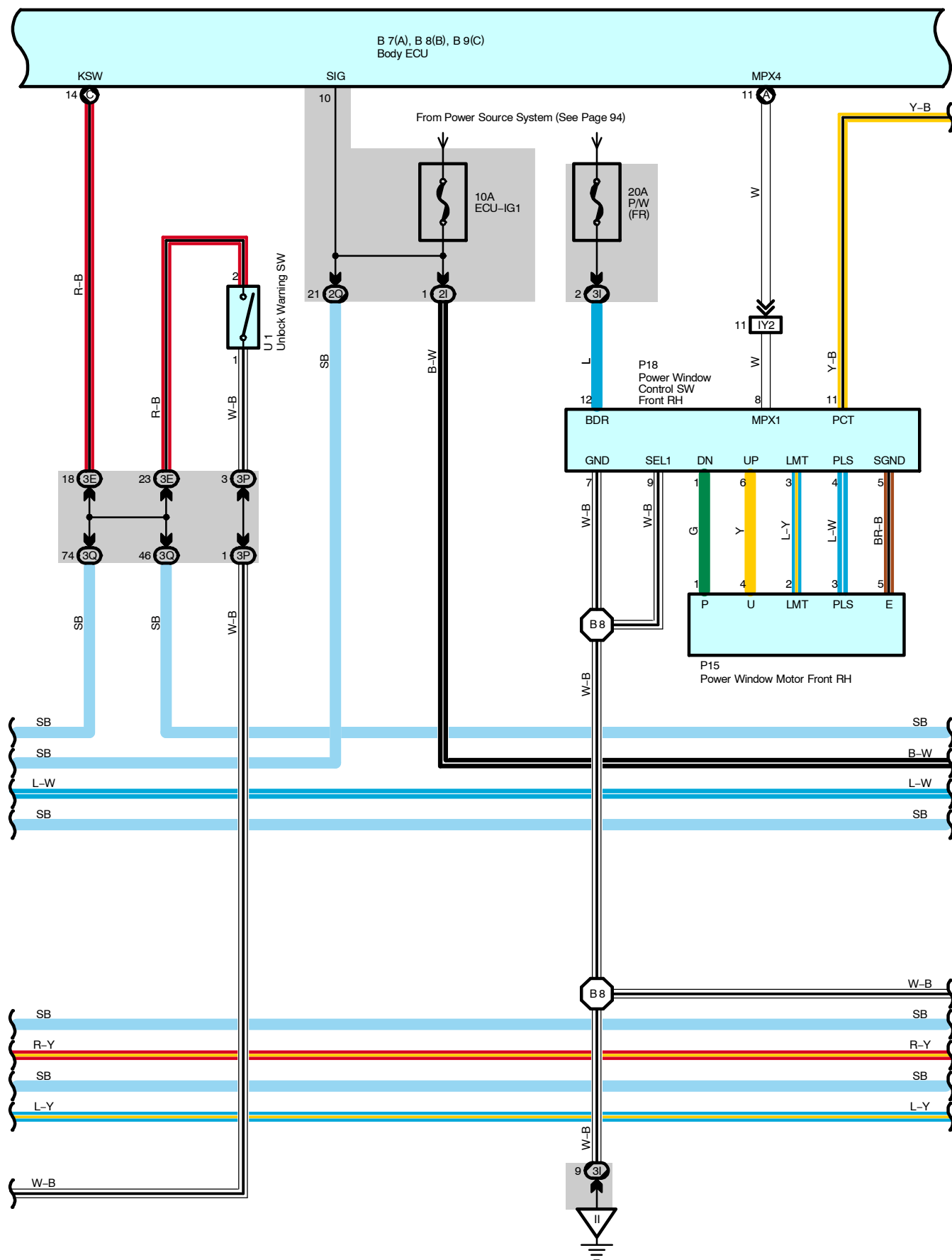


Multiplex Communication System

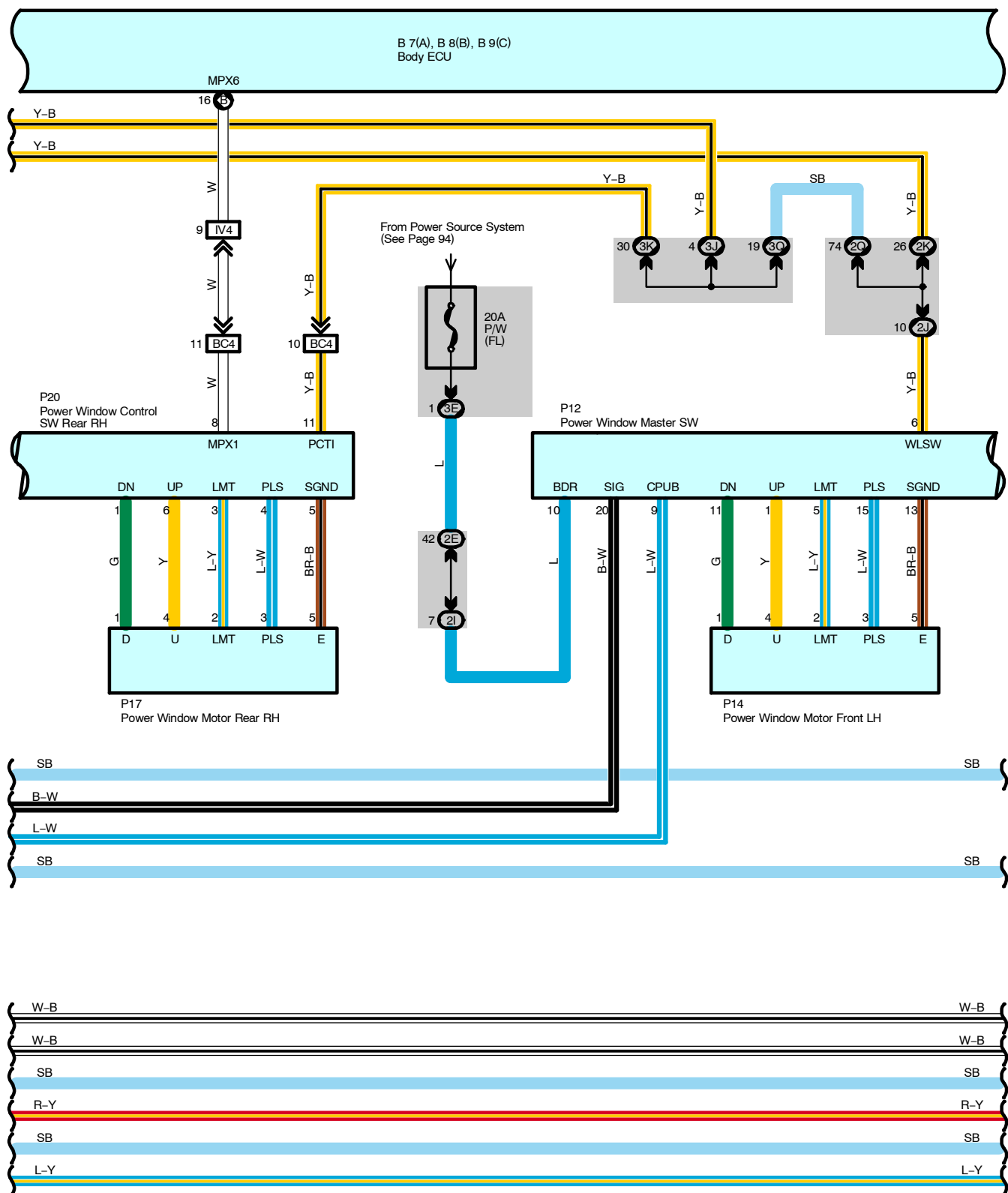




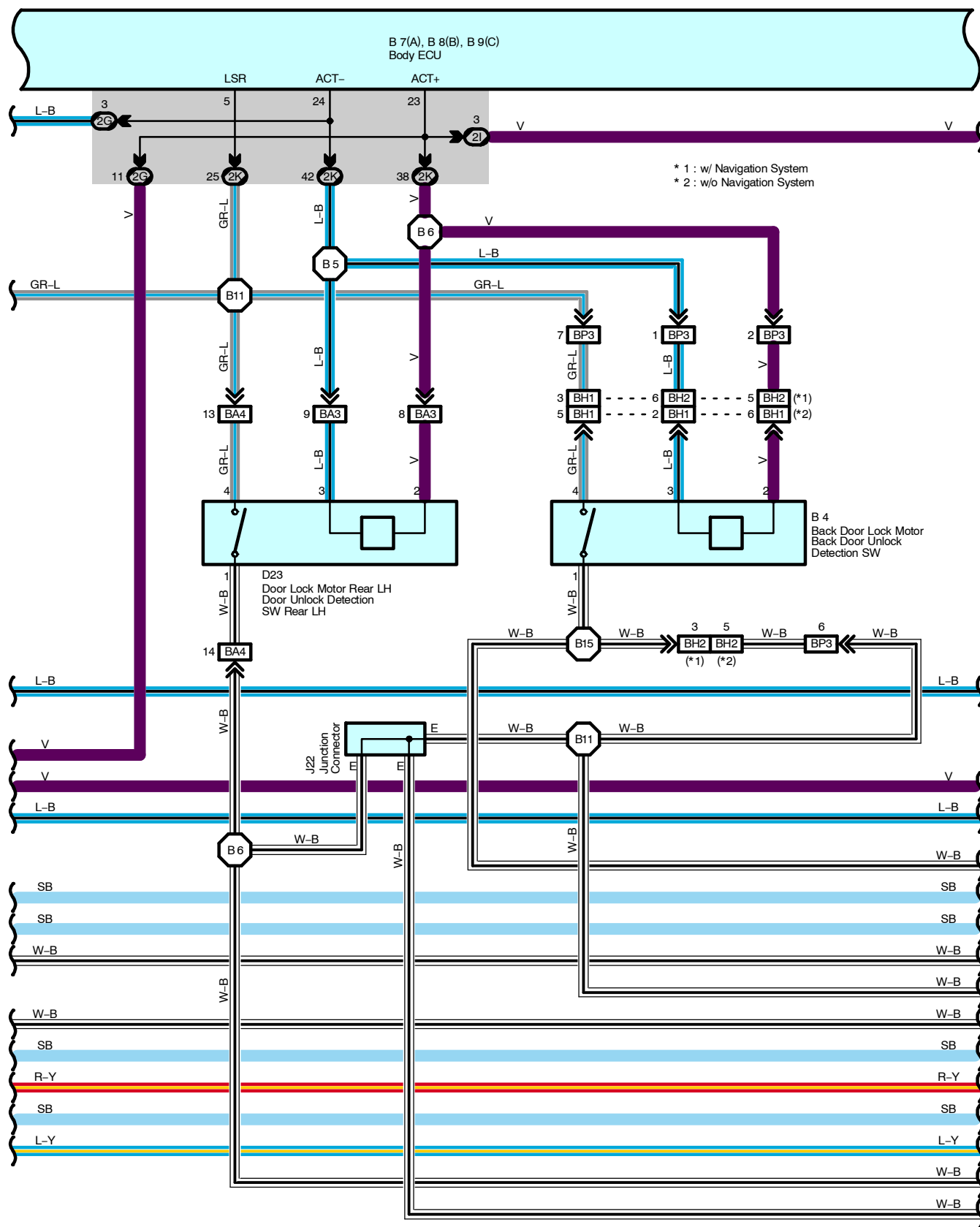
Multiplex Communication System

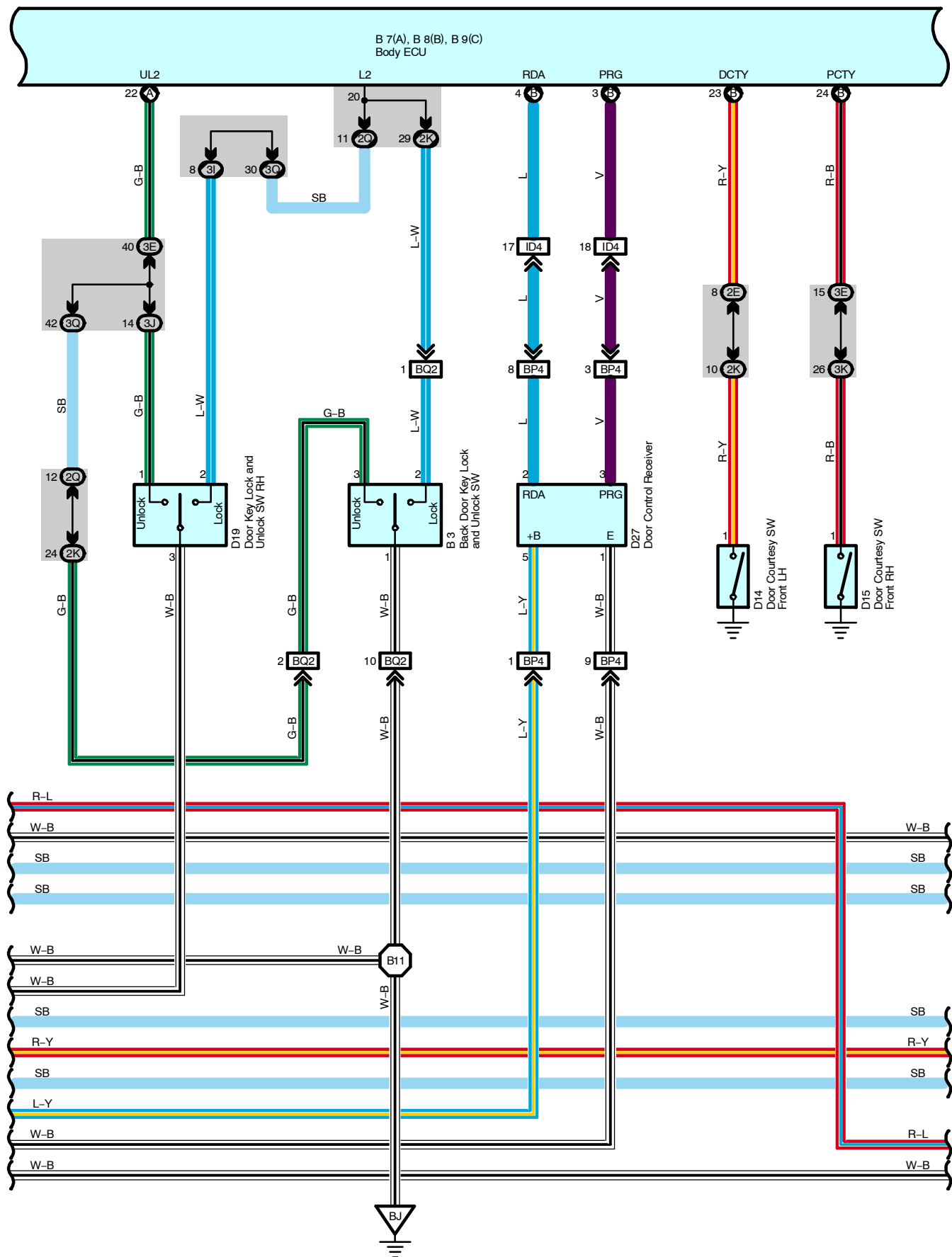


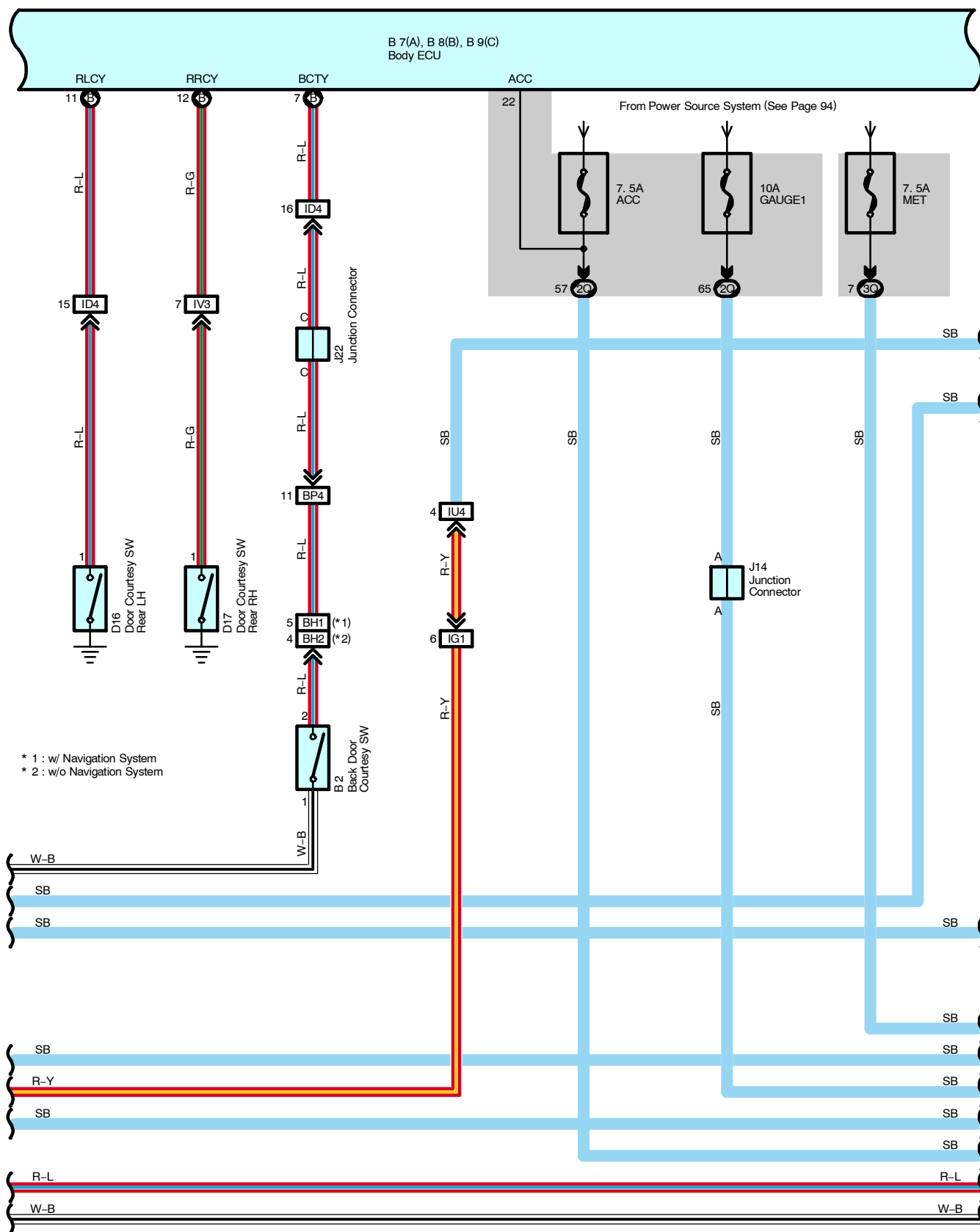
Multiplex Communication System



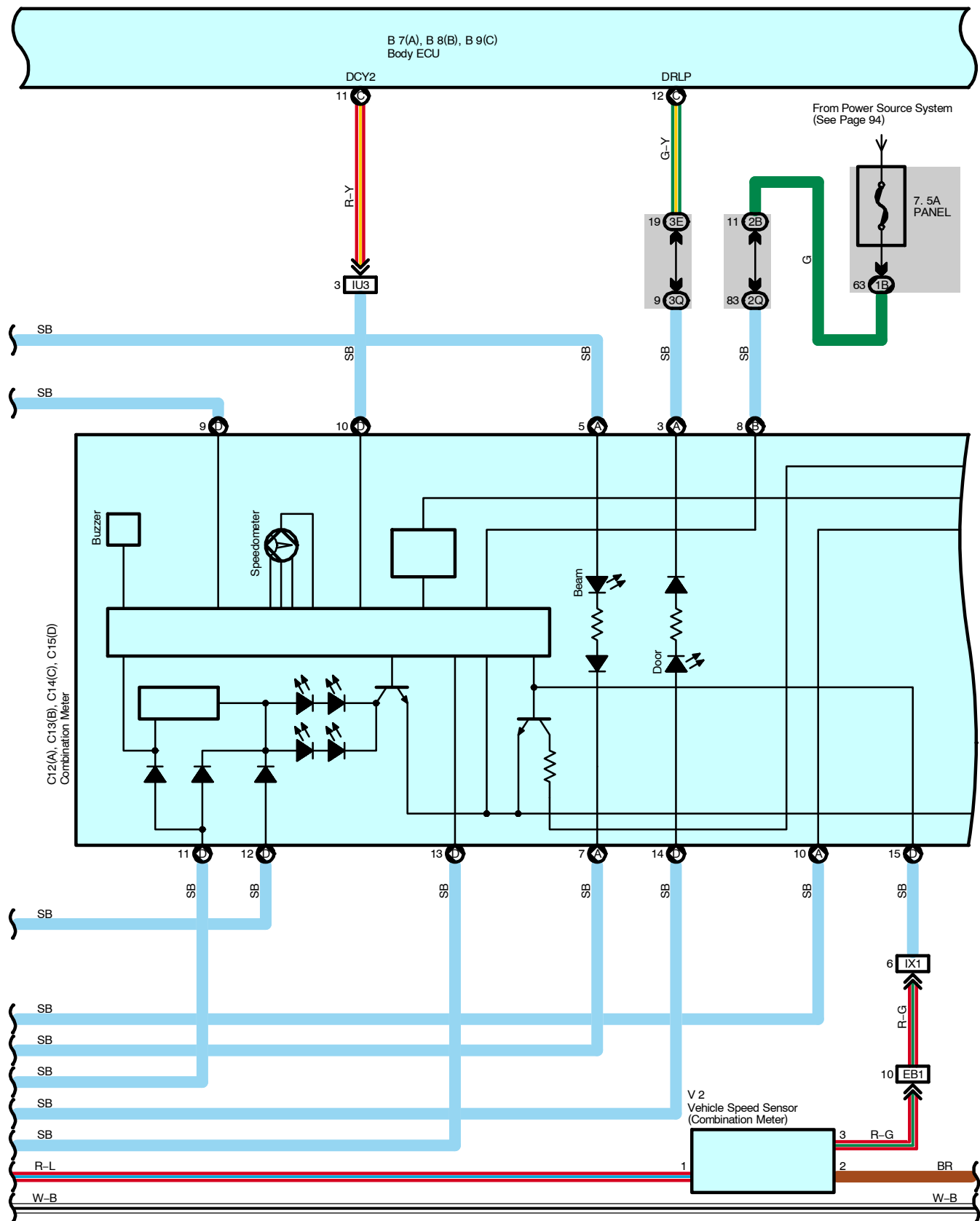
Multiplex Communication System

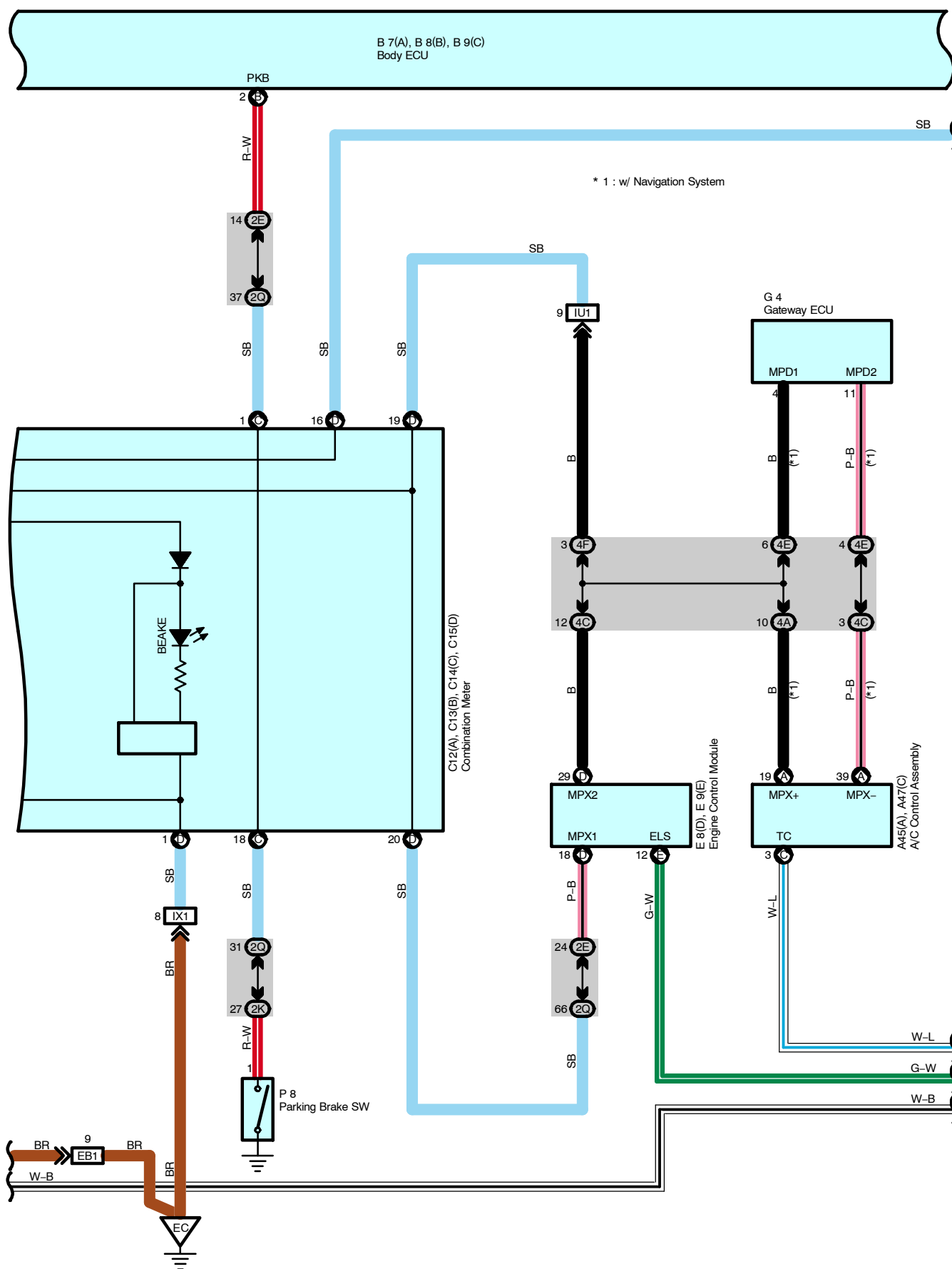




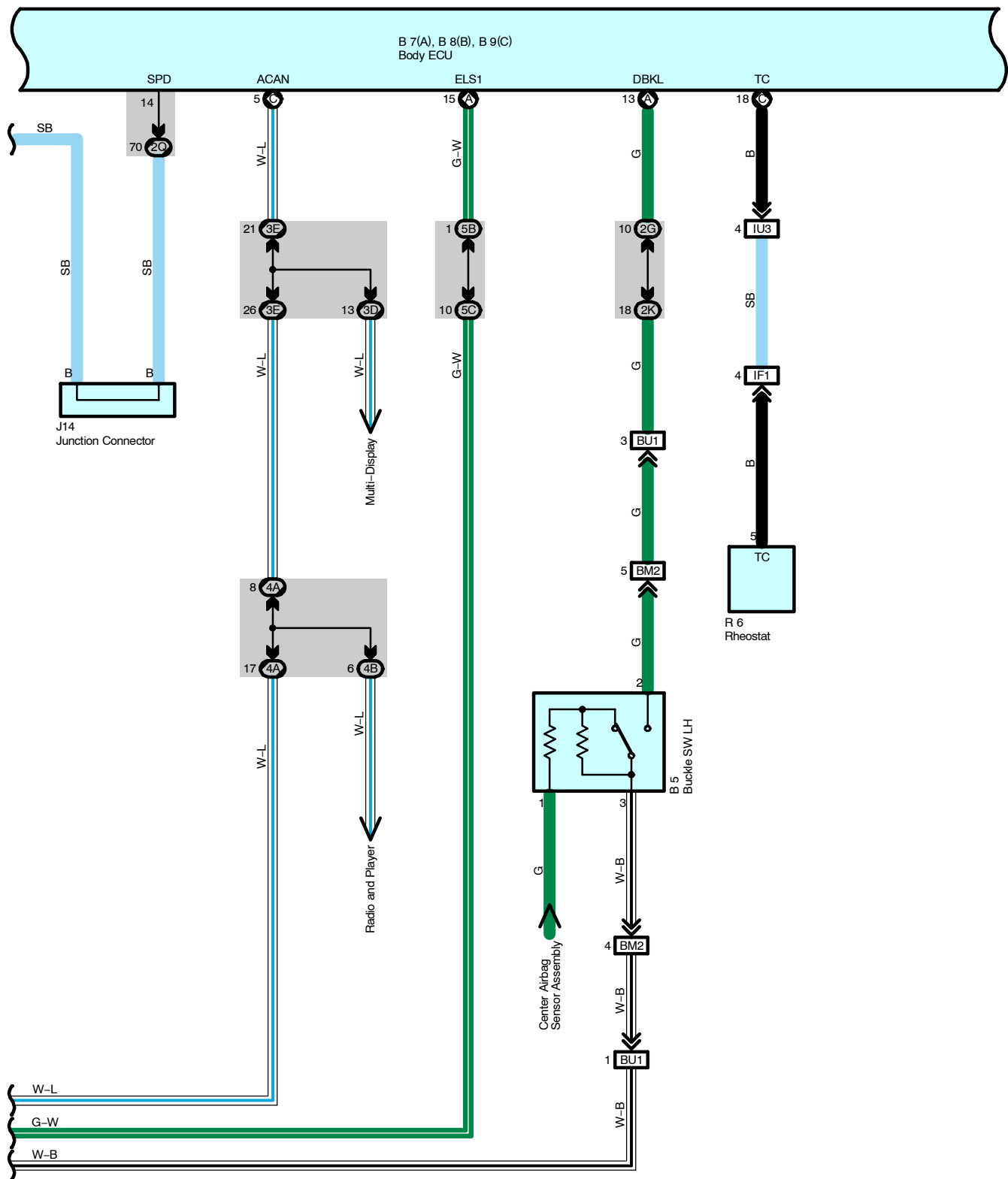


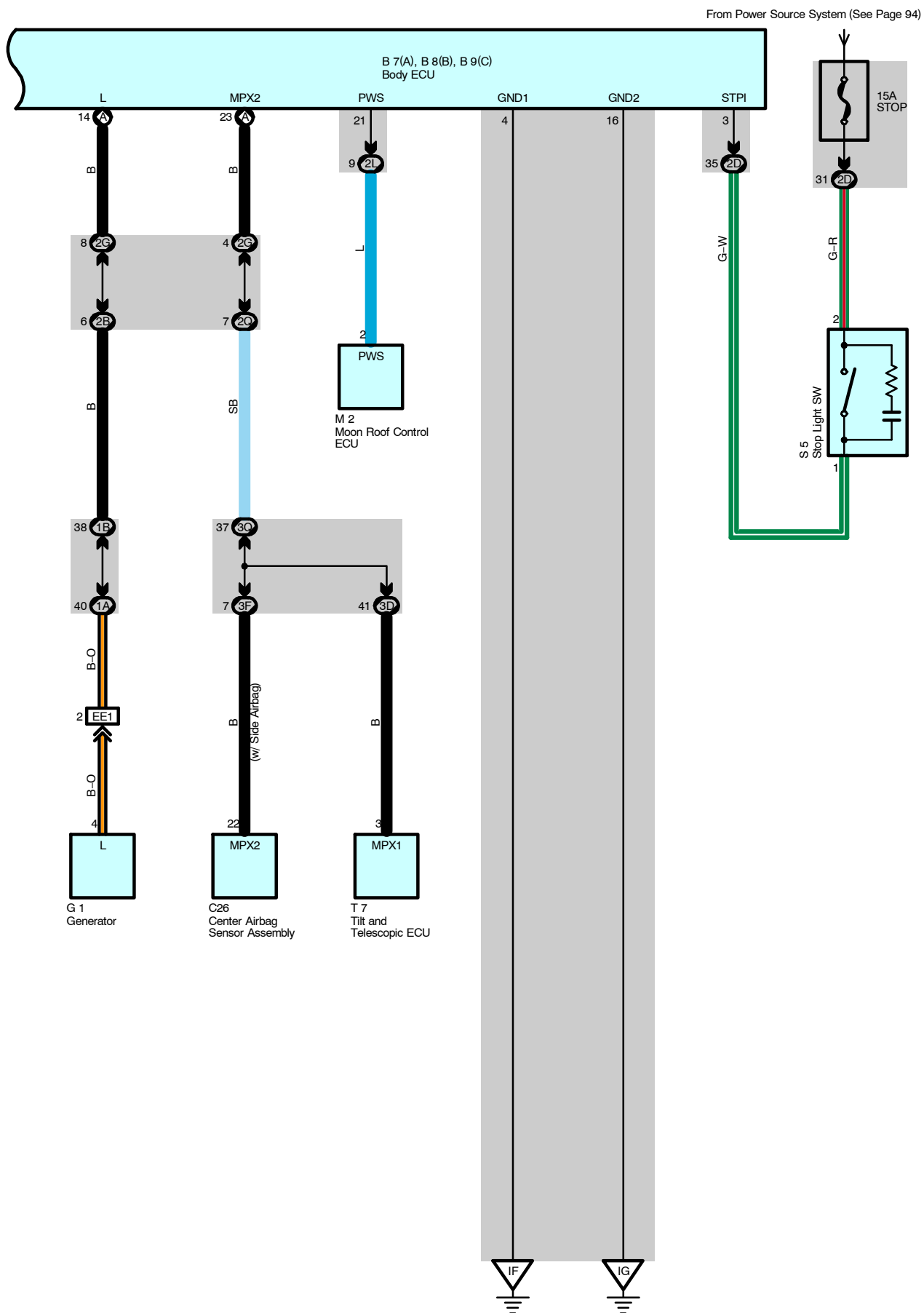
Multiplex Communication System





Multiplex Communication System





Multiplex Communication System

System Outline

The multiplex communication system communicates among the body ECU, theft deterrent ECU, power window master SW, power window control SW front RH, power window control SW rear LH, power window control SW rear RH, center airbag sensor assembly and tilt and telescopic ECU, among the combination meter, engine control module, A/C control assembly and gateway ECU and controls the following systems according to the signals from respective sensors or switches. For details, please refer to the new car features and/or the repair manual.

Service Hints

Body ECU

- 11, 12-Ground : Always approx. 12 volts
- 22-Ground : Approx. 12 volts with ignition SW at ACC or ON position
- 10-Ground : Approx. 12 volts with ignition SW at ON or ST position
- 4, 16-Ground : Always continuity

○ : Parts Location

Code	See Page	Code	See Page	Code	See Page
A31	70	D18	72	J14	71
A45 A	70	D19	72	J22	72
A47 C	70	D20	72	M2	72
B2	72	D21	72	M5 A	71
B3	72	D22	72	M9 B	71
B4	72	D23	72	P1	69
B5	74	D24	72	P8	73
B7 A	70	D27	72	P12	73
B8 B	70	E3	68	P14	73
B9 C	70	E8 D	70	P15	73
C12 A	70	E9 E	70	P16	73
C13 B	70	F1	68	P17	73
C14 C	70	F2	68	P18	73
C15 D	70	F10	72	P19	73
C16	70	F11	72	P20	73
C26	70	F15	68	R6	71
D2 A	68	G1	68	R27	73
D3 B	68	G4	70	S5	71
D7	70	H1	69	T1	69
D10	72	H2	69	T5	71
D11	72	H3	69	T7	71
D12	72	H4	69	T10	71
D13	72	J3	71	U1	71
D14	72	J6	71	V2	69
D15	72	J9	71	V6	73
D16	72	J10	71	V7	73
D17	72	J13	71	Z1	71

**: Junction Block and Wire Harness Connector**

Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	24	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
1B	24	Engine Room No.2 Wire and Engine Room J/B (Engine Compartment Left)
1C		
2A	28	Engine Room No.2 Wire and Cowl Side J/B LH (Left Kick Panel)
2B		
2D	28	Dash Wire and Cowl Side J/B LH (Left Kick Panel)
2E		
2G		
2I	28	Front Door LH Wire and Cowl Side J/B LH (Left Kick Panel)
2J		
2K	28	Floor No.1 Wire and Cowl Side J/B LH (Left Kick Panel)
2L	28	Roof No.1 Wire and Cowl Side J/B LH (Left Kick Panel)
2Q	30	Instrument Panel Integration Wire and Cowl Side J/B LH (Left Kick Panel)
3B	40	Engine Room No.2 Wire and Cowl Side J/B RH (Right Kick Panel)
3D	40	Dash Wire and Cowl Side J/B RH (Right Kick Panel)
3E		
3F		
3I	40	Front Door RH Wire and Cowl Side J/B RH (Right Kick Panel)
3J		
3K	40	Floor No.2 Wire and Cowl Side J/B RH (Right Kick Panel)
3P	43	Dash Wire and Cowl Side J/B RH (Right Kick Panel)
3Q	42	Instrument Panel Integration Wire and Cowl Side J/B RH (Right Kick Panel)
4A	52	Dash Wire and J/B No.4 (Instrument Panel Center)
4B		
4C		
4D		
4E		
4F		
5B	56	Dash Wire and J/B No.5 (Behind the Combination Meter)
5C		
5D	56	Engine Room No.2 Wire and J/B No.5 (Behind the Combination Meter)
6D	60	Engine Wire and J/B No.6 (Behind the Grove Box)
7B	64	Dash Wire and J/B No.7 (Behind the Grove Box)

Multiplex Communication System

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EA2	76	Engine Room Main Wire and Engine Room No.2 Wire (Engine Compartment Right)
EB1	76	Engine Wire and Transmission Wire (On the Transmission)
EE1	76	Engine Room Main Wire and Alternator Wire (Near the Battery)
IC2	78	Front Door LH Wire and Dash Wire (Left Kick Panel)
ID4	78	Dash Wire and Floor No.1 Wire (Left Kick Panel)
IF1	78	Instrument Panel Integration Wire and Instrument Panel Wire (Left Side of Instrument Panel)
IG1	78	Engine Room No.2 Wire and Dash Wire (Behind the Combination Meter)
IH2	80	Instrument Panel Integration Wire and Column Wire (Near the Ignition SW)
II3	80	Dash Wire and Column Wire (Near the Ignition SW)
II5		
IL3	80	Instrument Panel Integration Wire and Computer Wire (Instrument Panel Center)
IM2	80	Instrument Panel Integration Wire and Instrument Panel No.3 Wire (Right Side of Instrument Panel)
IN2	80	Engine Wire and Dash Wire (Behind the Glove Box)
IU1	82	Instrument Panel Integration Wire and Dash Wire (Behind the Glove Box)
IU3		
IU4		
IV3	82	Dash Wire and Floor No.2 Wire (Right Kick Panel)
IV4		
IX1	82	Instrument Panel Integration Wire and Engine Wire (Behind the Glove Box)
IY2	82	Front Door RH Wire and Dash Wire (Right Kick Panel)
Ib2	84	Dash Wire and Dash Wire (Behind the Combination Meter)
BA3	86	Rear Door LH Wire and Floor No.1 Wire (Left Side of Center Pillar)
BA4		
BC3	86	Rear Door RH Wire and Floor No.2 Wire (Right Side of Center Pillar)
BC4		
BD4	86	Floor No.3 Wire and Floor No.1 Wire (Left Rear Side Quarter Panel)
BH1	86	Pillar No.1 Wire and Back Door Upper Wire (Left Side of Back Door)
BH2		
BL5	88	Floor No.2 Wire and Floor No.3 Wire (Right Side of Rear Floor Crossmember)
BM2	90	Floor No.1 Wire and Front Seat LH Wire (Front Side Under the Driver's Seat)
BP3	88	Pillar No.1 Wire and Floor No.1 Wire (Left Rear Side Quarter Panel)
BP4		
BQ2	88	Back Door Lower Wire and Floor No.1 Wire (Left Rear Side Quarter Panel)
BR1	88	Roof No.3 Wire and Roof No.1 Wire (Front Side of Roof)
BS1	88	Door Lock LH Sub Wire and Front Door LH Wire (Front Door LH)
BT1	88	Door Lock RH Sub Wire and Front Door RH Wire (Front Door RH)
BU1	88	Floor No.1 Wire and Floor No.1 Wire (Near the Left Rear Suspension Support)

: Ground Points

Code	See Page	Ground Points Location
EA	76	Front Right Side of Fender Apron
EC	76	Rear Bank of Right Cylinder Head
IF	78	Set Bolt of Cowl Side J/B LH
IG		
II	78	Set Bolt of Cowl Side J/B RH
BJ	86	Under the Driver's Seat
BK	86	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
E1	76	Engine Room Main Wire	B6	88	Floor No.1 Wire
E2			B7	88	Roof No.1 Wire
E10	76	Engine Wire	B8	88	Front Door RH Wire
E15	76	Engine Room Main Wire	B9	88	Floor No.2 Wire
B2	88	Front Door LH Wire	B11	88	Floor No.1 Wire
B4	88	Floor No.1 Wire	B15	88	Back Door Upper Wire
B5					