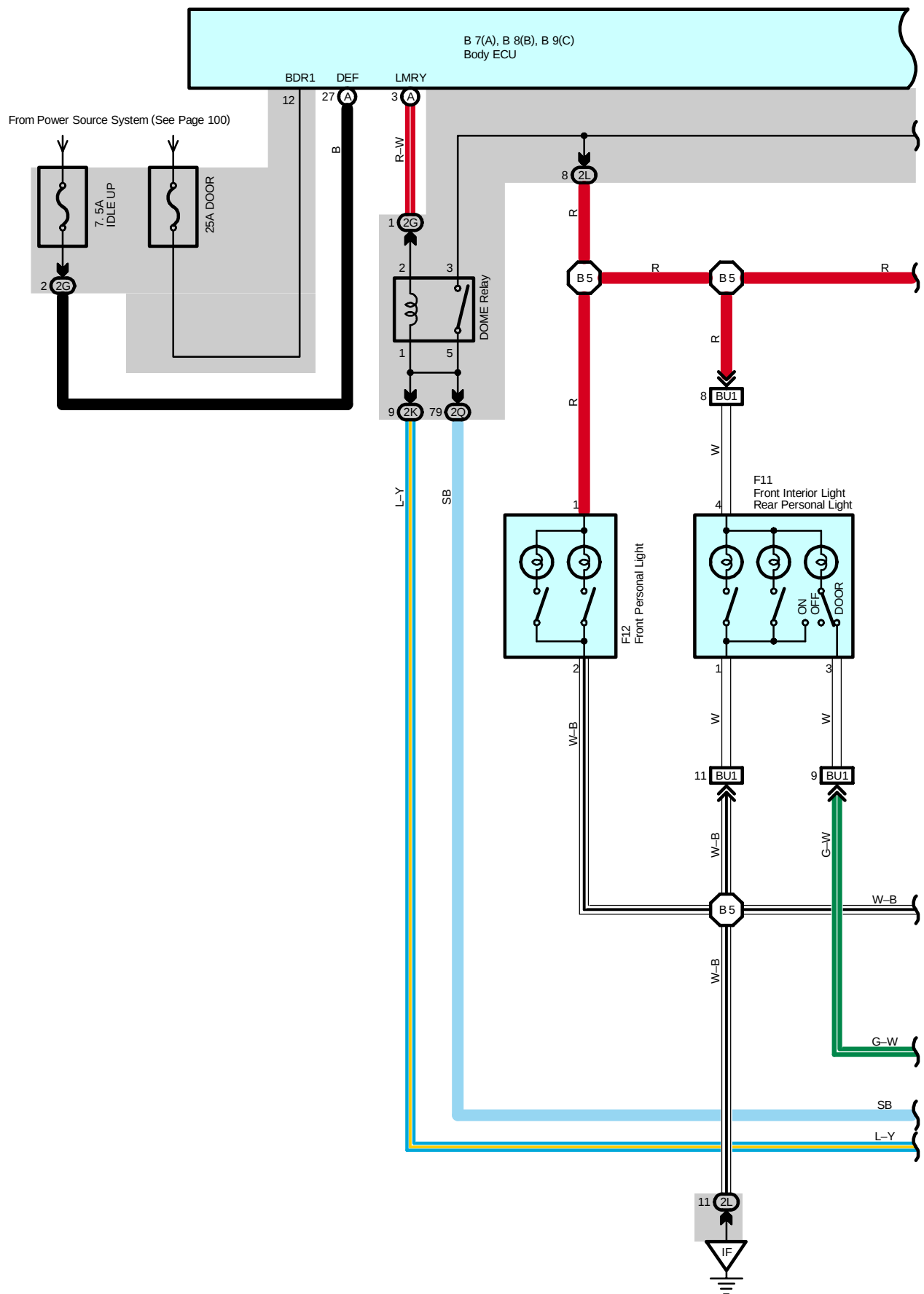
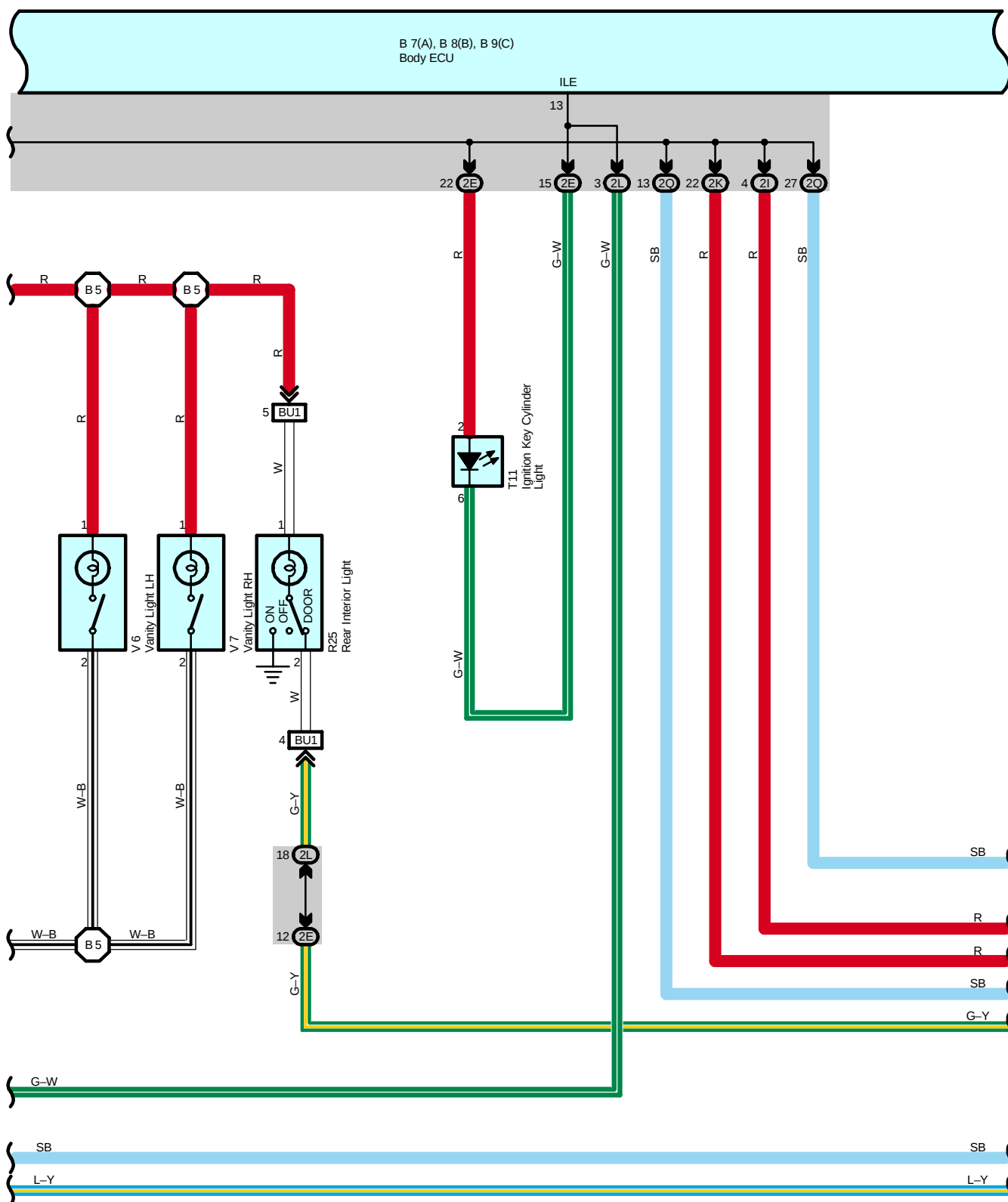
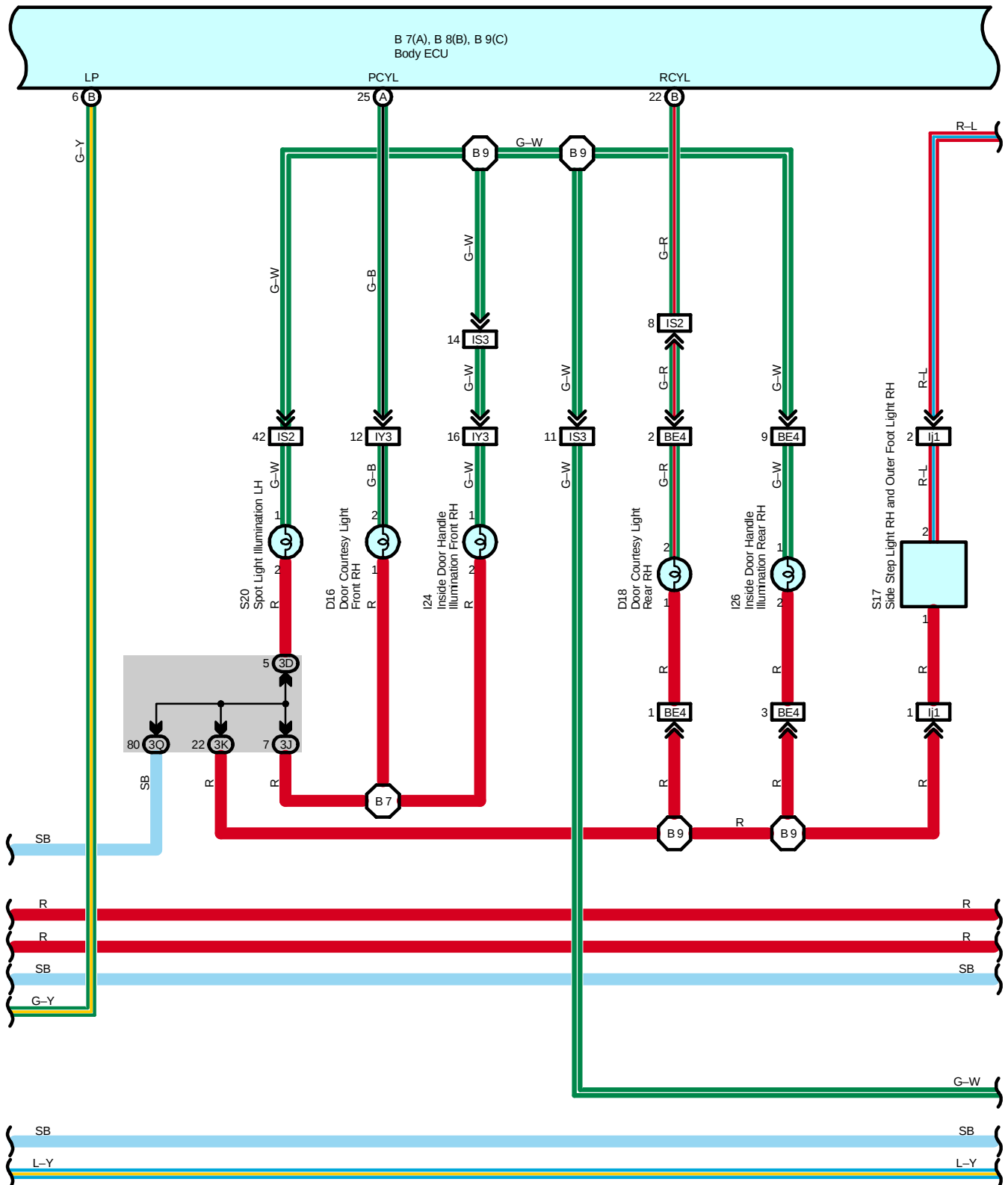


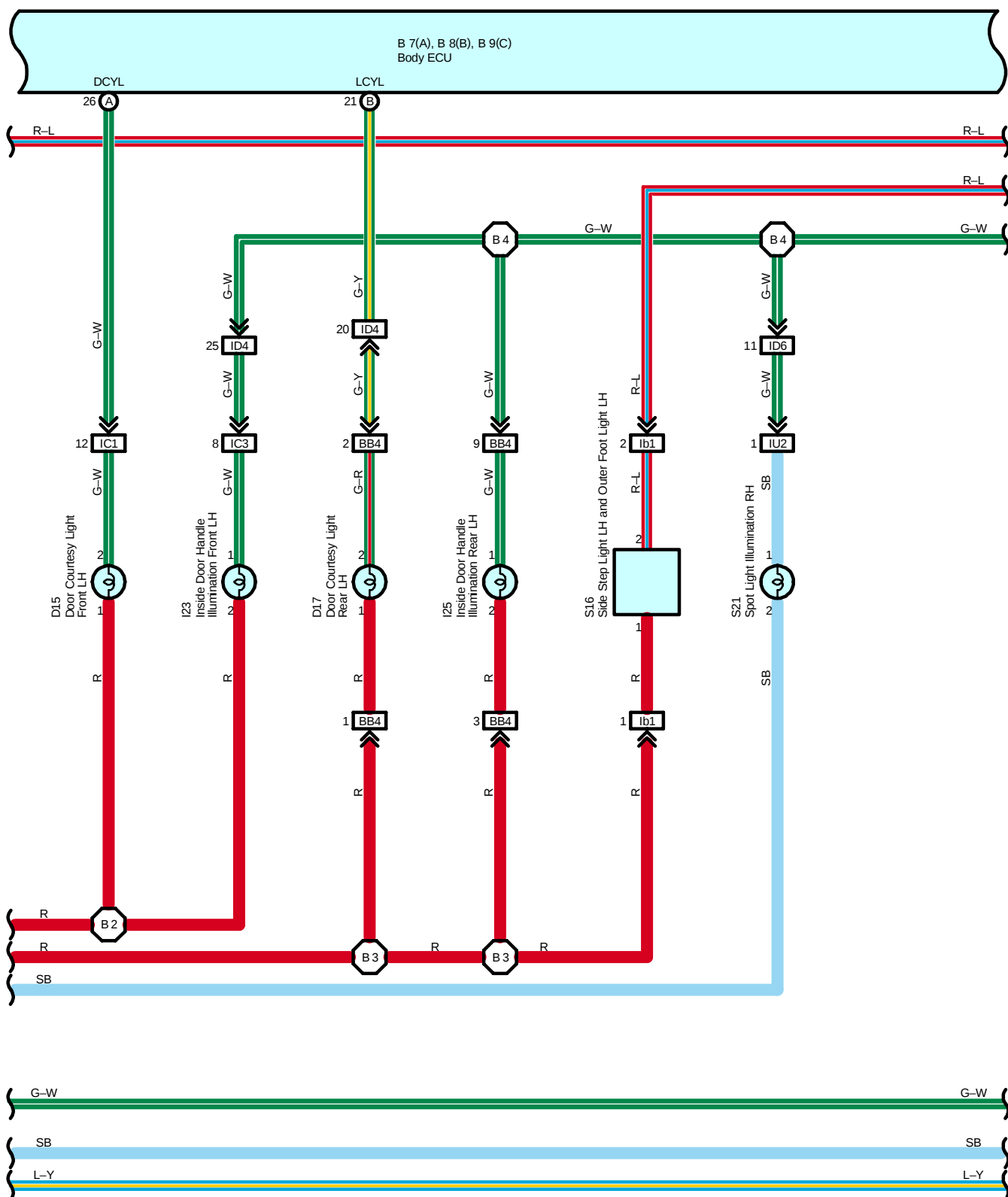
Multiplex Communication System



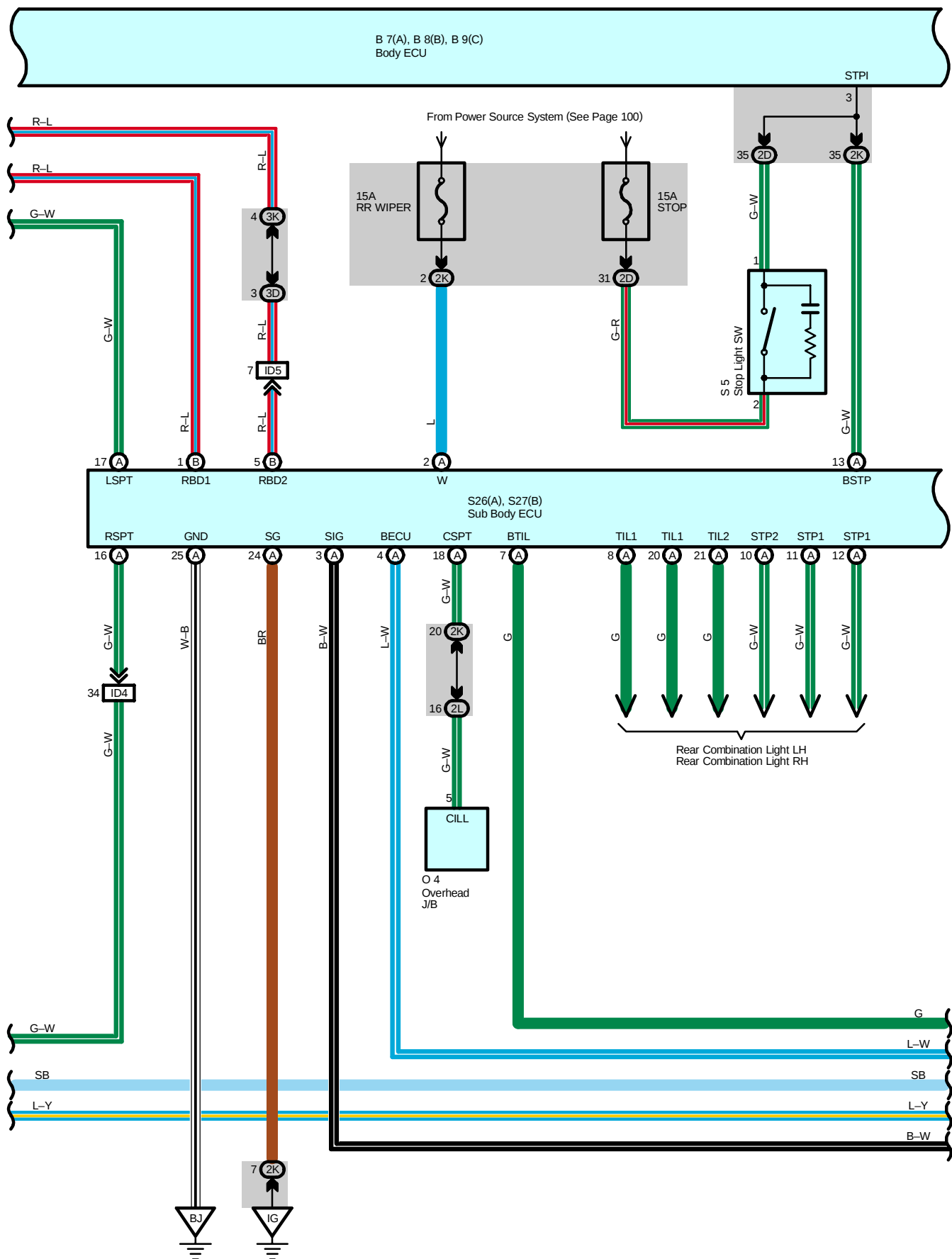


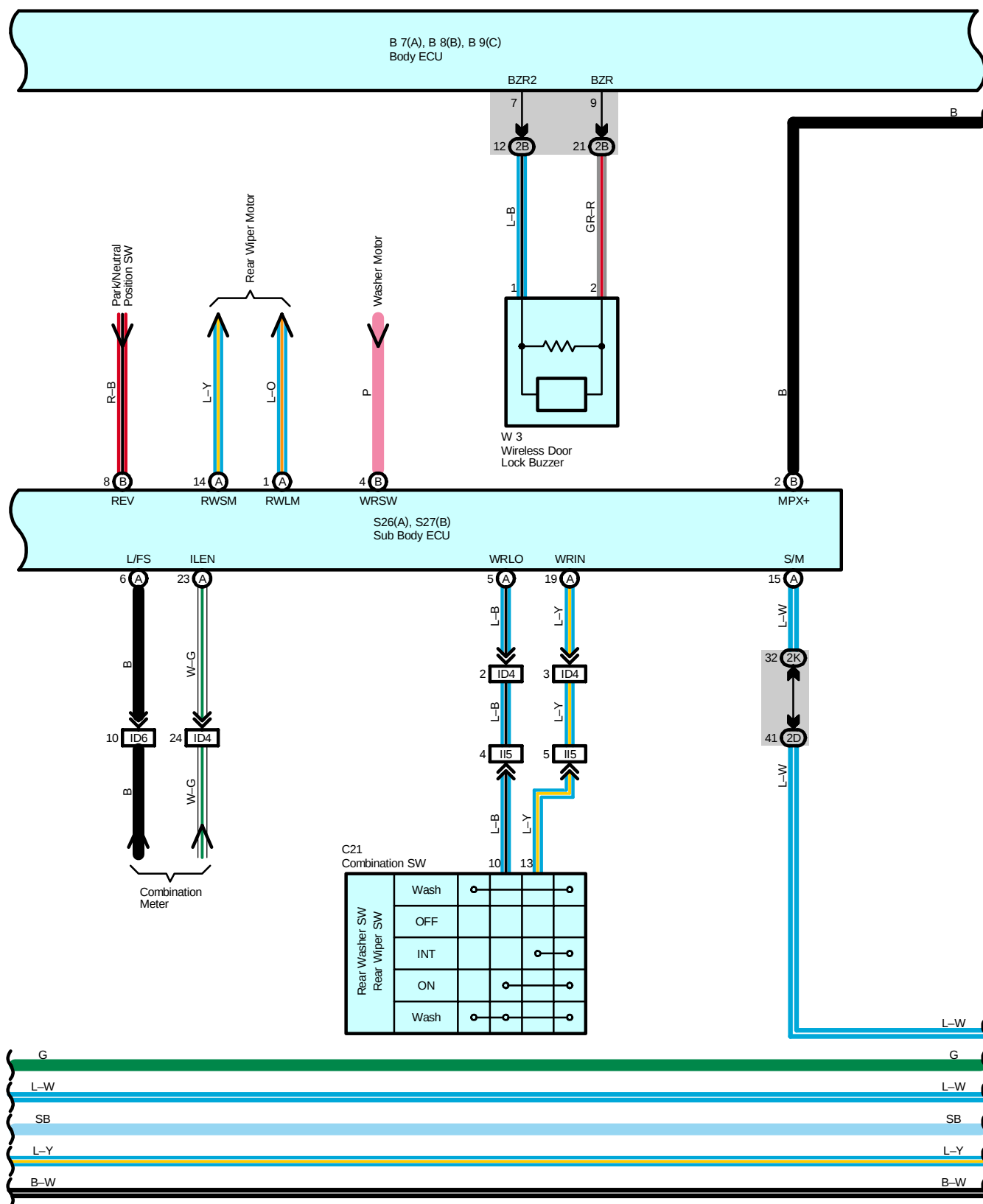
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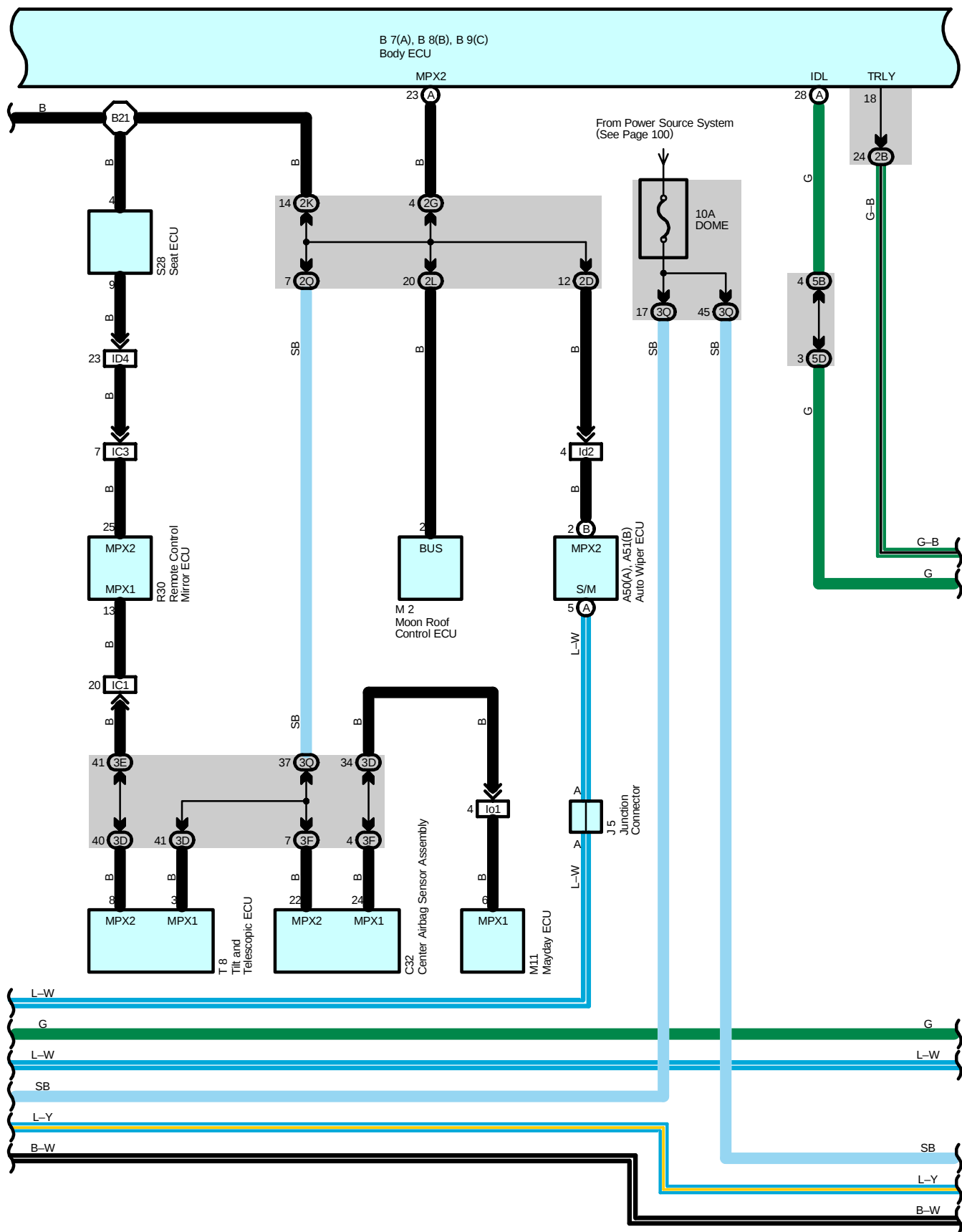


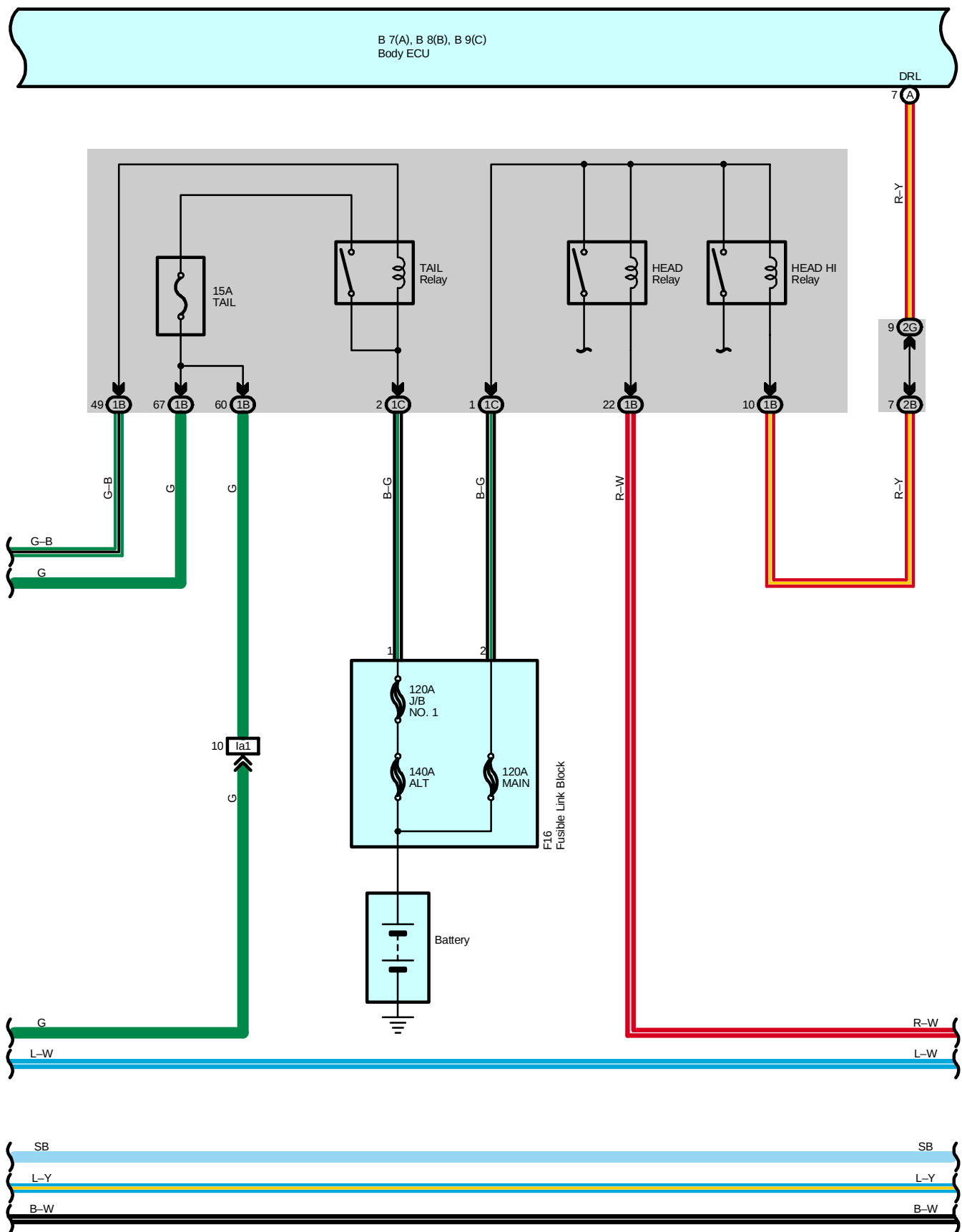
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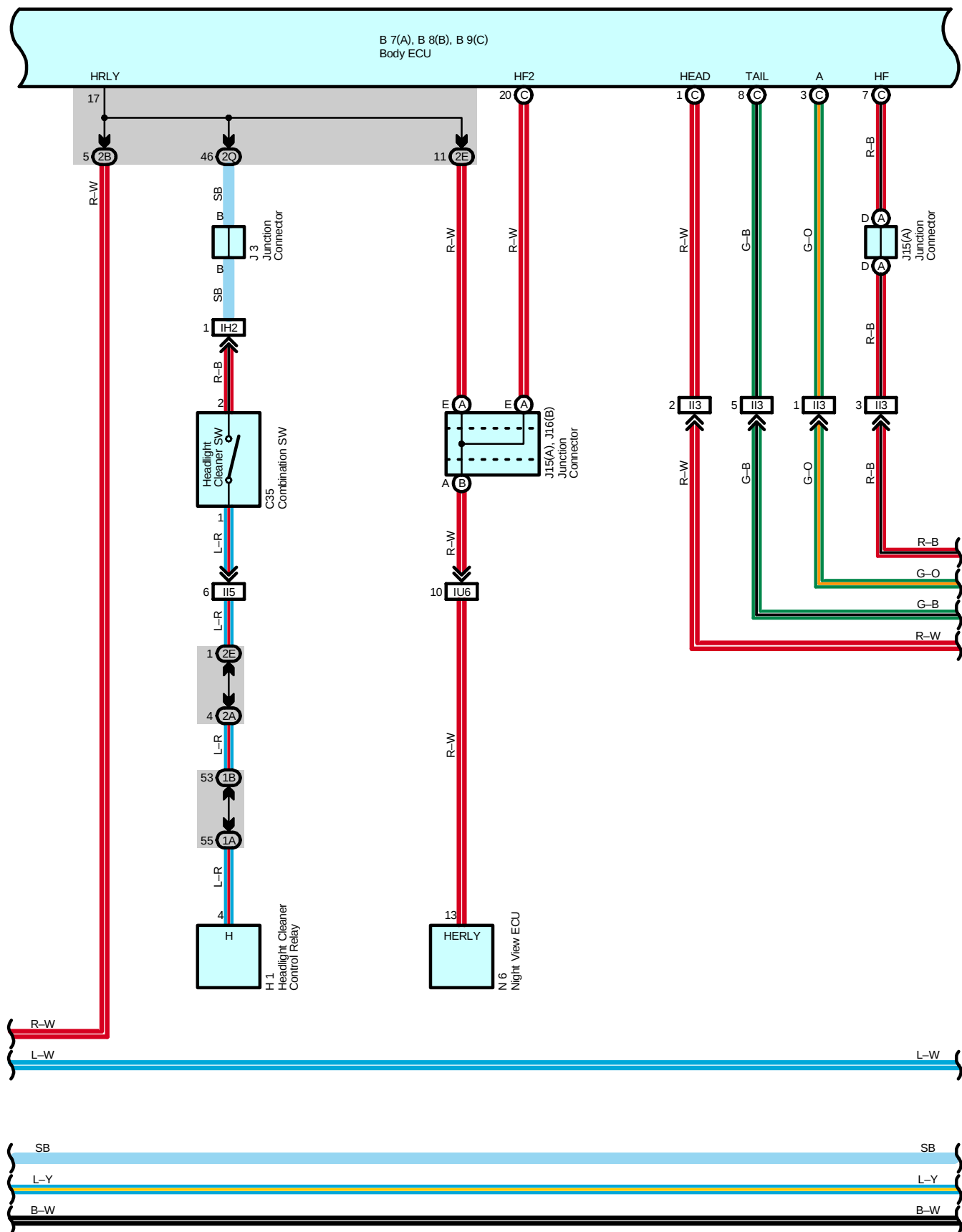


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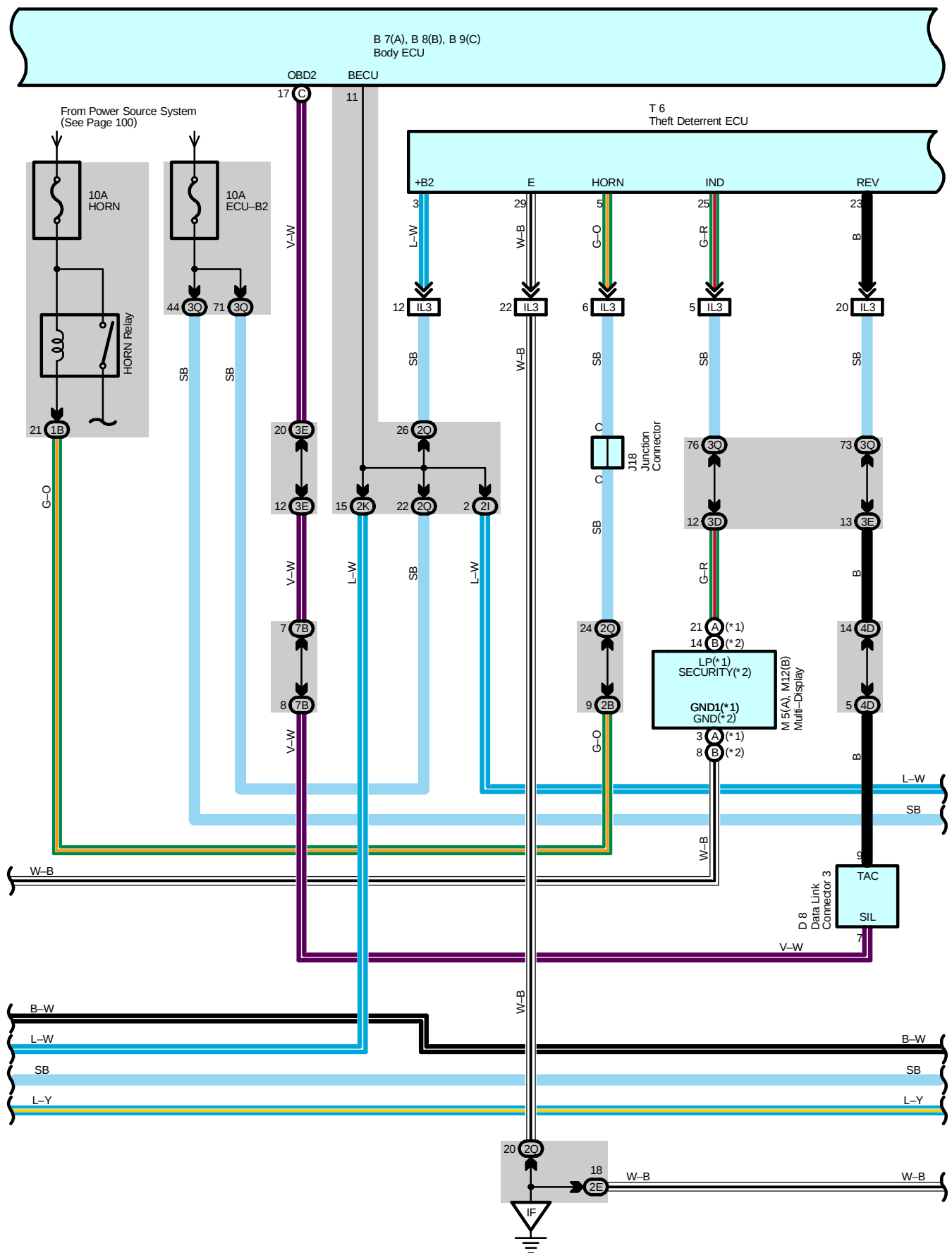


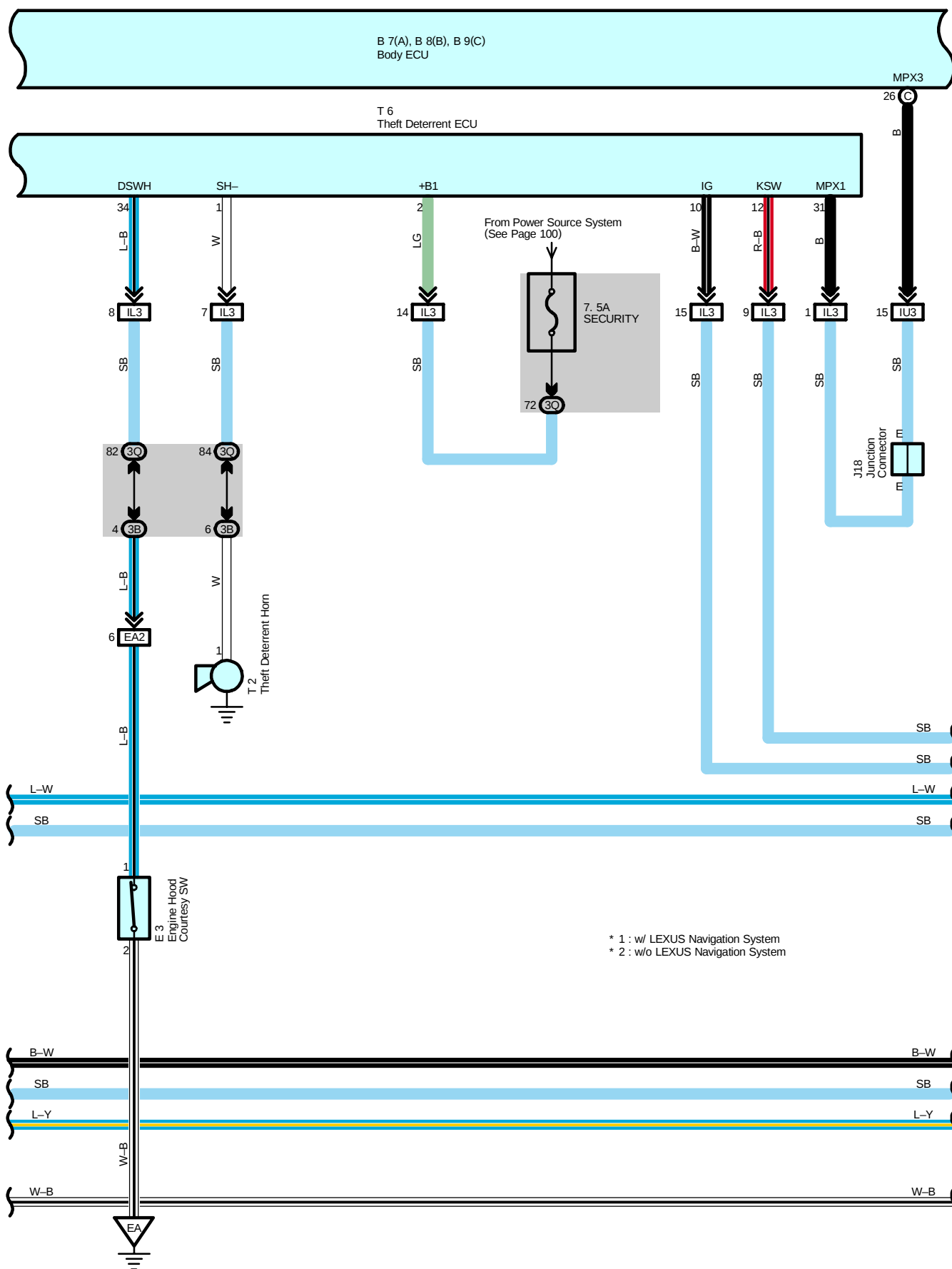


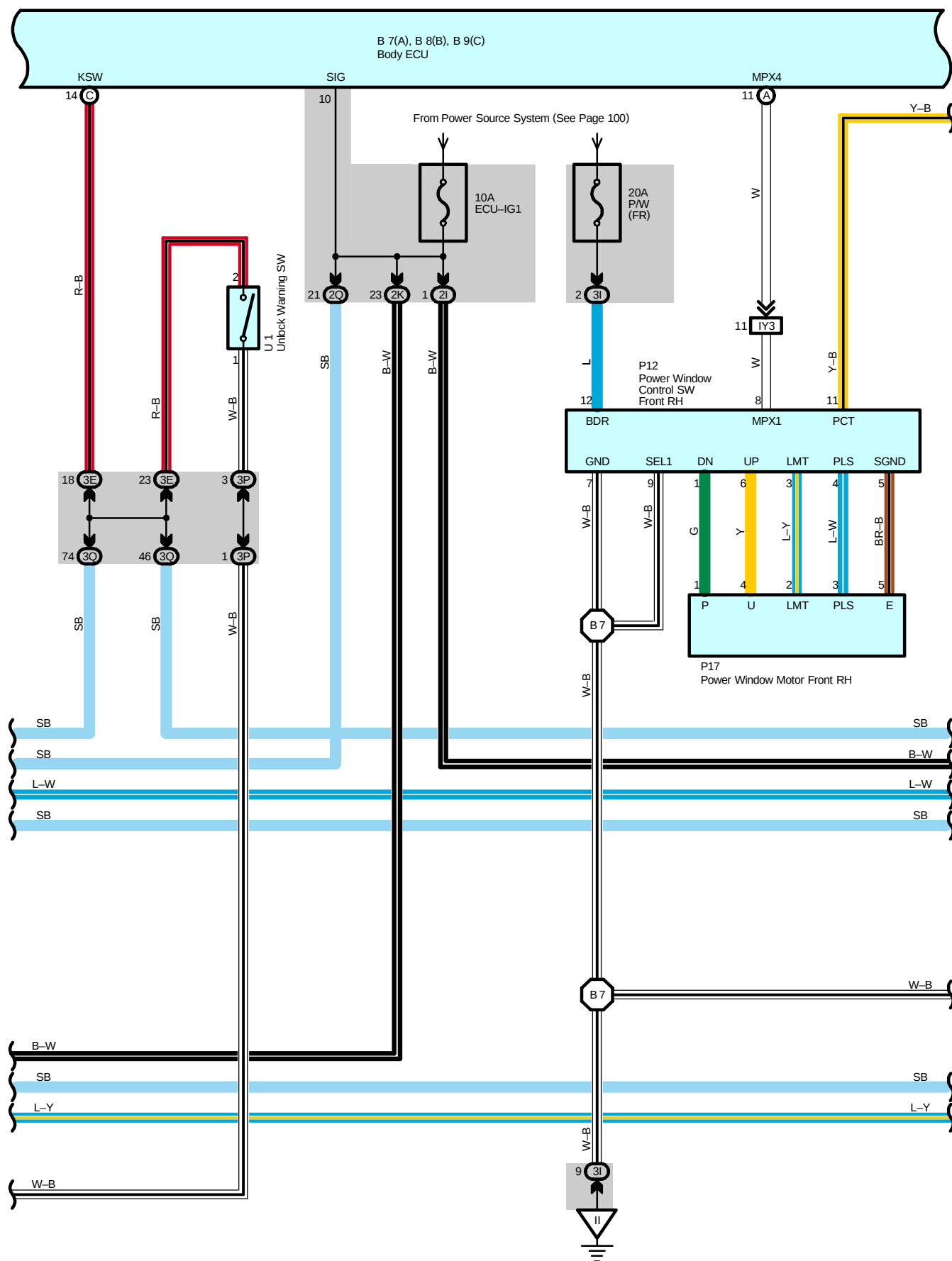
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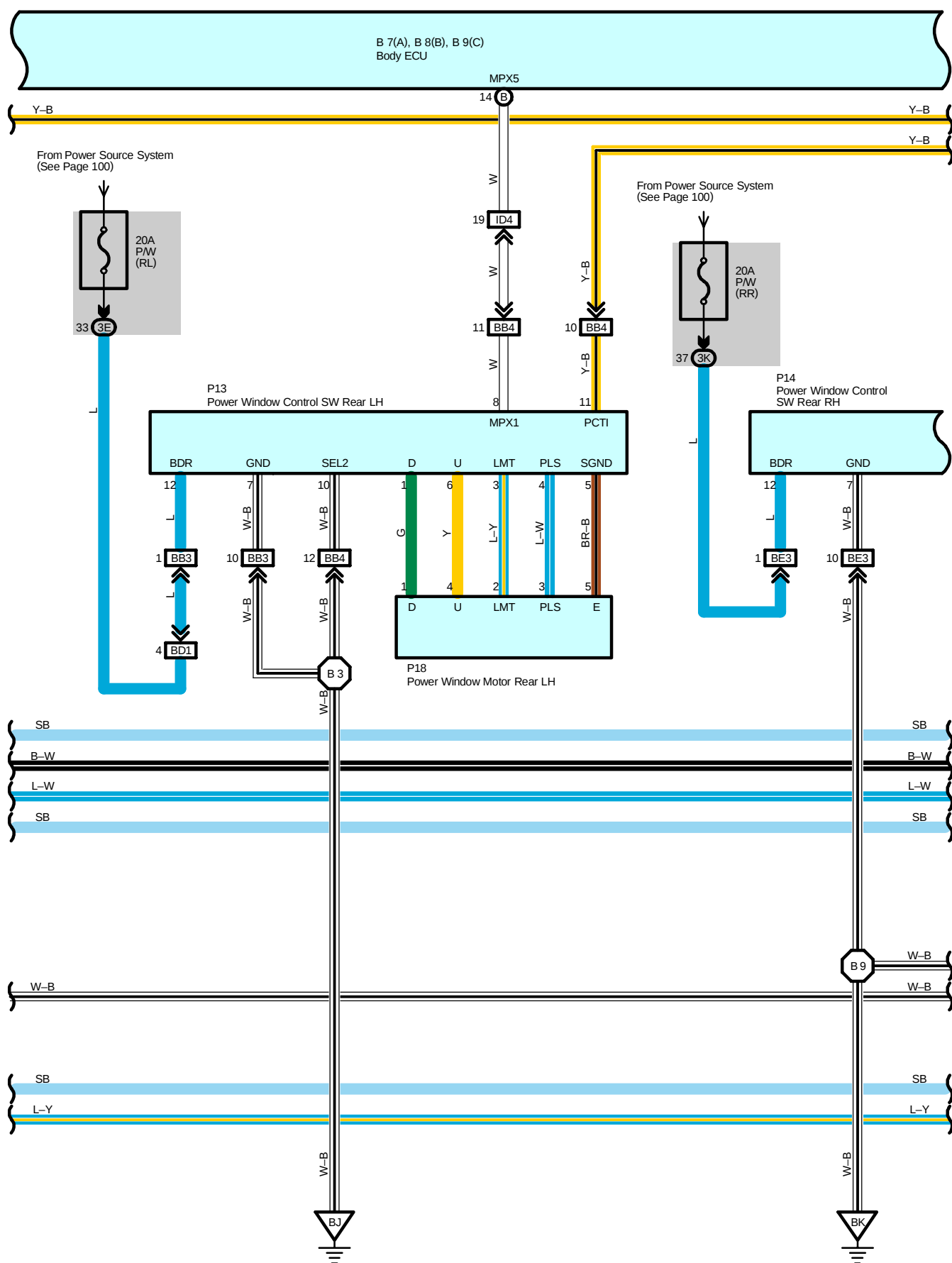


Multiplex Communication System

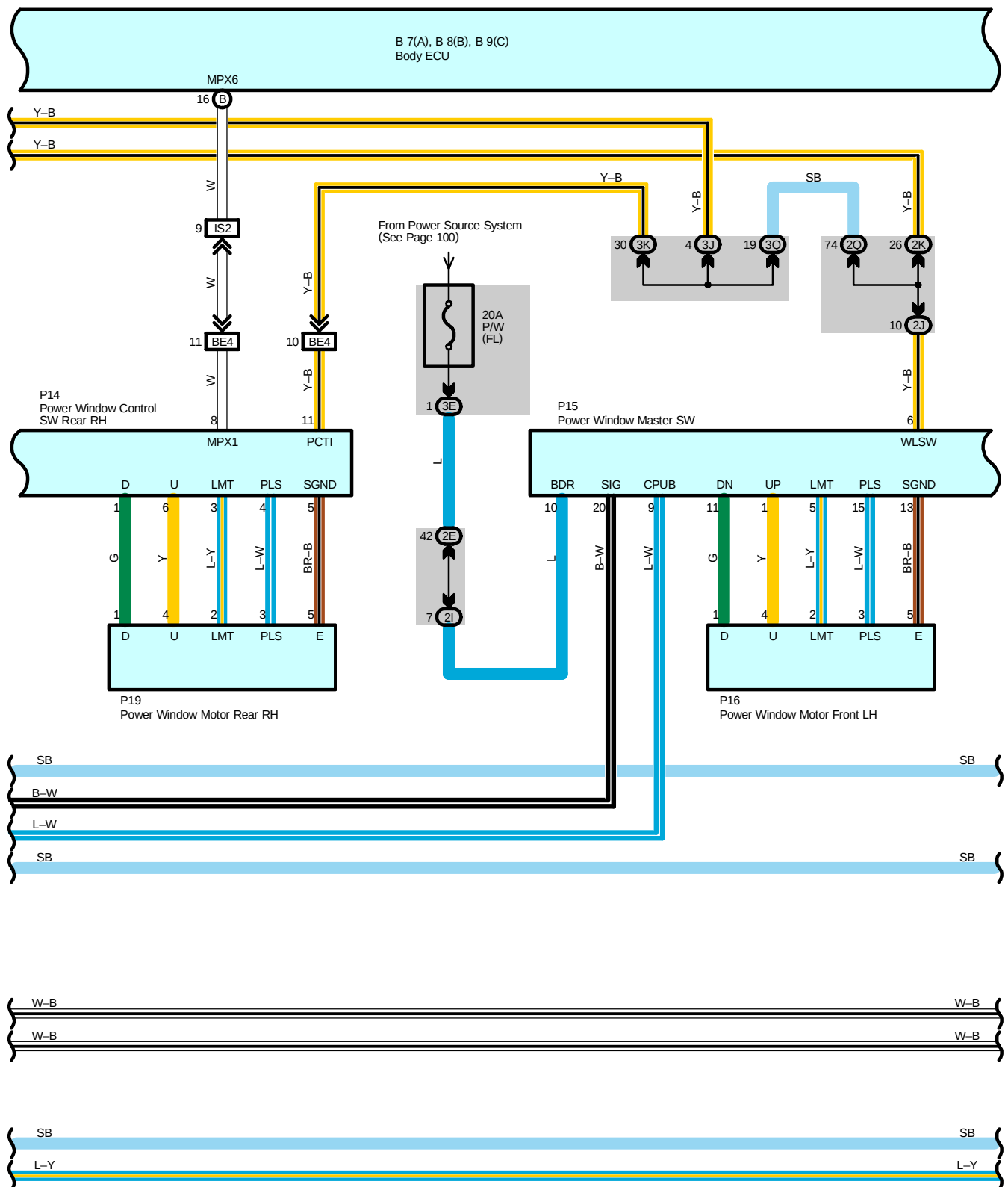


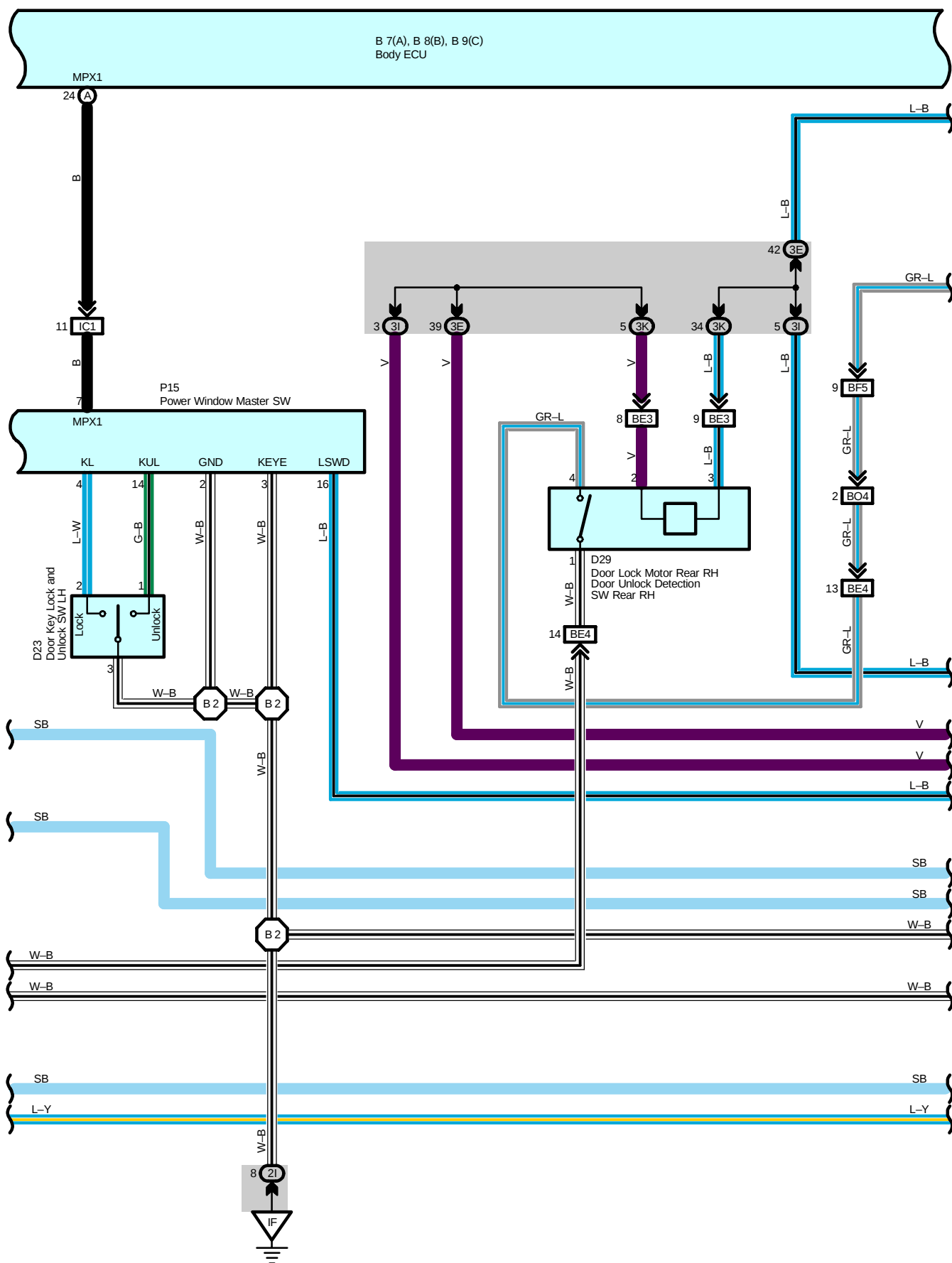


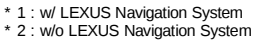




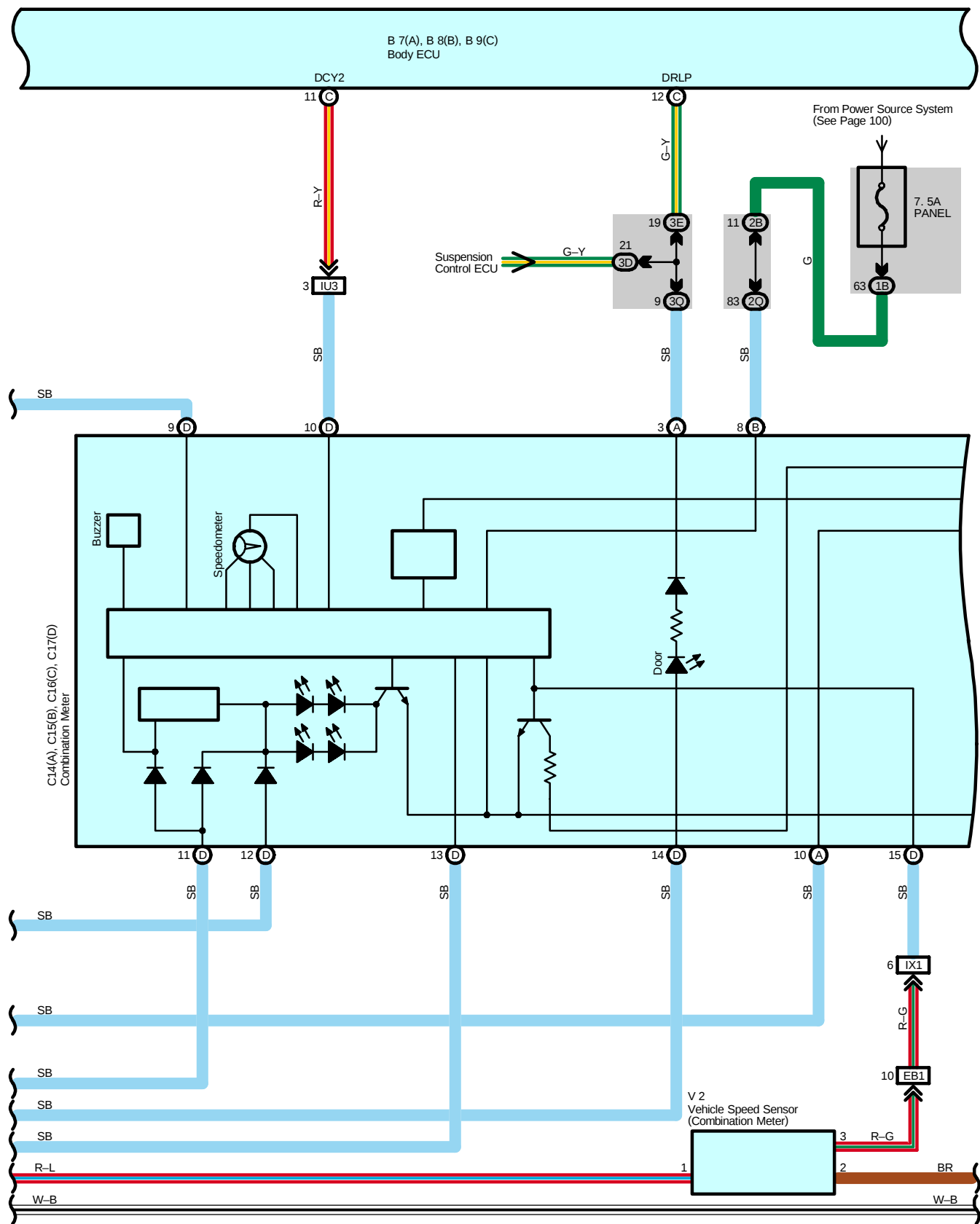
Multiplex Communication System



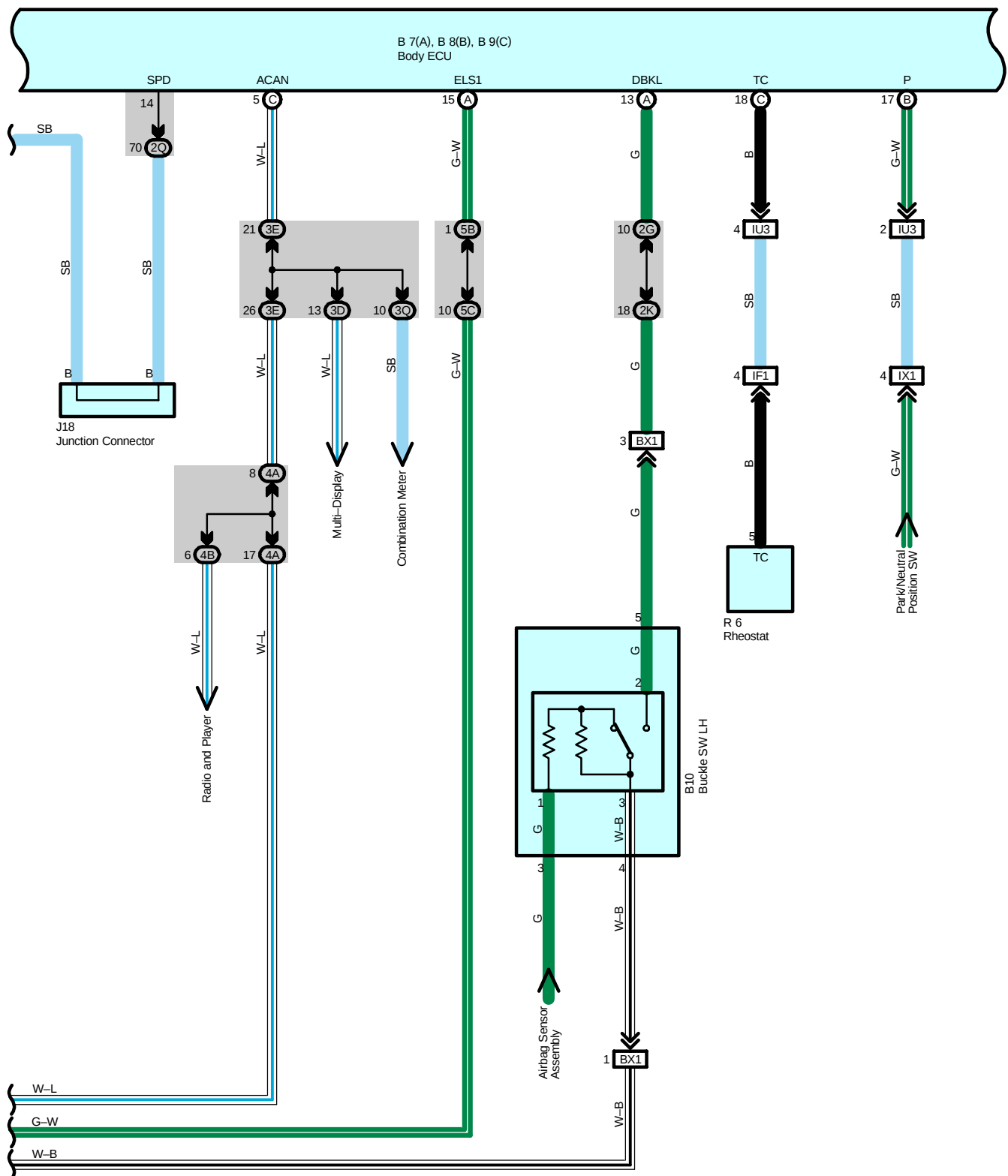


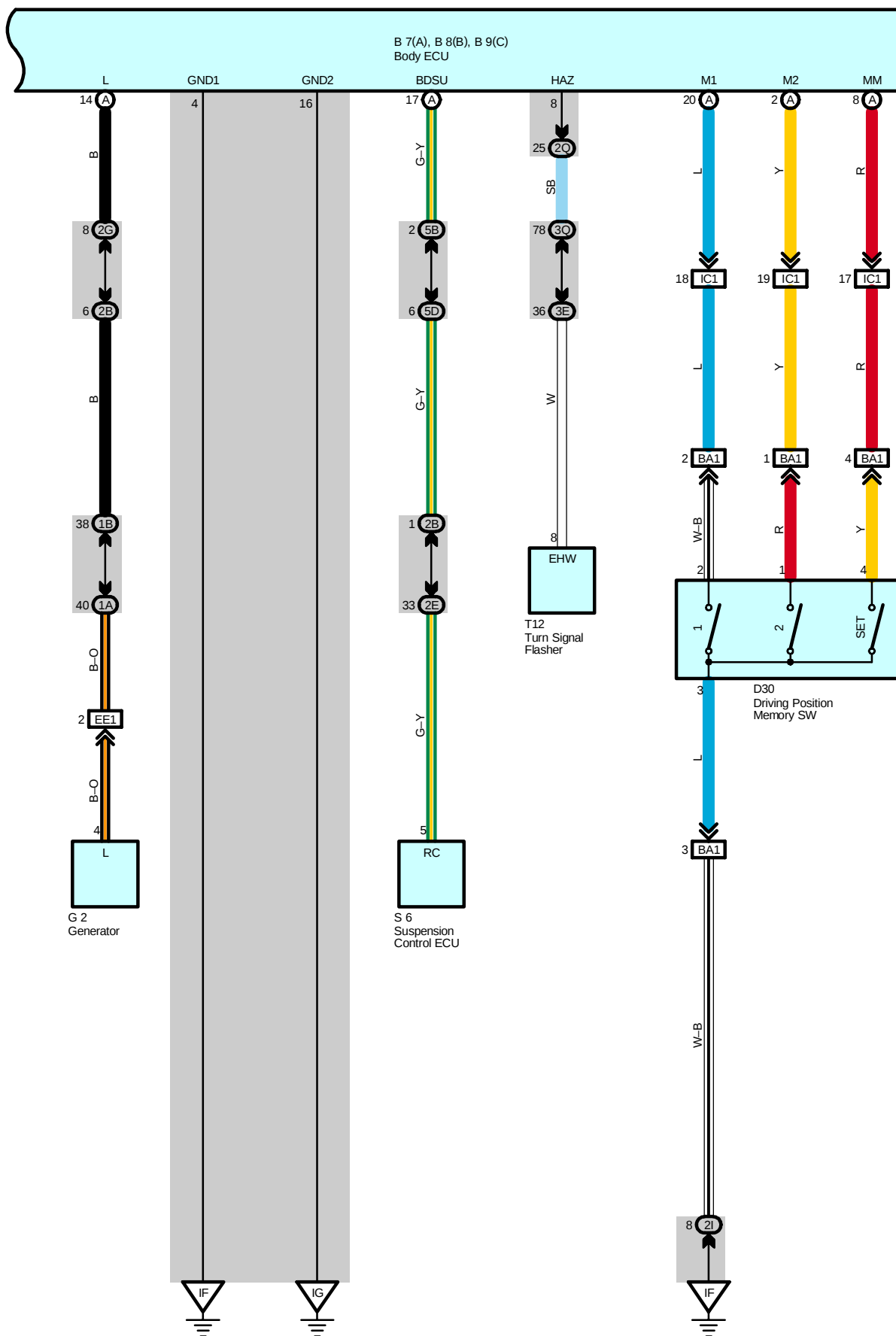


Multiplex Communication System



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, airbag sensor assembly, mayday ECU, moon roof control ECU, auto wiper ECU, power seat ECU, remote control mirror ECU, rain sensor 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

S26 Sub Body ECU

- (A) 2, (A) 3–Ground : Approx. 12 volts with ignition SW at ON or ST position
- (A) 4–Ground : Always approx. 12 volts
- (A) 24, (A) 25–Ground : Always continuity

○ : Parts Location

Code	See Page	Code	See Page	Code	See Page
A32	70	D26	74	P8	75
A47	A 70	D27	74	P12	75
A49	C 70	D28	74	P13	75
A50	A 70	D29	74	P14	75
A51	B 70	D30	74	P15	75
B2	74	D33	74	P16	75
B3	74	E3	68	P17	75
B4	74	E9	D 71	P18	75
B7	A 70	E10	E 71	P19	75
B8	B 70	F11	74	R6	73
B9	C 70	F12	74	R25	75
B10	76	F16	68	R30	75
C14	A 71	G2	68	S5	73
C15	B 71	G5	71	S6	73
C16	C 71	H1	69	S16	73
C17	D 71	I23	74	S17	73
C18	71	I24	74	S20	73
C21	71	I25	74	S21	73
C32	71	I26	74	S26	A 75
C35	71	J3	72	S27	B 75
D8	71	J5	72	S28	76
D15	74	J7	72	T2	69
D16	74	J15	A 72	T6	73
D17	74	J16	B 72	T8	73
D18	74	J18	72	T11	73
D19	74	J23	74	T12	73
D20	74	M2	74	U1	73
D21	74	M5	A 72	V2	69
D22	74	M11	72	V6	75
D23	74	M12	B 72	V7	75
D24	74	N6	72	W3	69
D25	74	O4	74		



: 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		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)
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	78	Engine Room Main Wire and Engine Room No.2 Wire (Engine Compartment Right)
EB1	78	Engine Wire and Transmission Wire (On the Transmission)
EE1	78	Engine Room Main Wire and Alternator Wire (Near the Battery)
IC1	80	Front Door LH Wire and Dash Wire (Left Kick Panel)
IC3		
ID4		
ID5	80	Dash Wire and Floor No.1 Wire (Left Kick Panel)
ID6		
IF1	80	Instrument Panel Integration Wire and Instrument Panel Wire (Left Side of Instrument Panel)
IH2	82	Instrument Panel Integration Wire and Column Wire (Near the Ignition SW)
II3	82	Dash Wire and Column Wire (Near the Ignition SW)
II5		
IL3	82	Instrument Panel Integration Wire and Computer Wire (Instrument Panel Center)
IM2	82	Instrument Panel Integration Wire and Instrument Panel No.3 Wire (Right Side of Instrument Panel)
IO3	82	Engine Wire and Dash Wire (Behind the Glove Box)
IS2	84	Dash Wire and Floor No.2 Wire (Right Kick Panel)
IS3		
IU1	84	Instrument Panel Integration Wire and Dash Wire (Behind the Glove Box)
IU2		
IU3		
IU6		
IX1	86	Instrument Panel Integration Wire and Engine Wire (Behind the Glove Box)
IY3	86	Front Door RH Wire and Dash Wire (Right Kick Panel)
Ia1	86	Engine Room No.2 Wire and Floor No.1 Wire (Left Kick Panel)
Ib1	86	Lamp No.2 Wire and Floor No.1 Wire (Left Kick Panel)
Id2	86	Dash Wire and Dash Wire (Behind the Combination Meter)
Ie2		
Ij1	88	Lamp No.2 Wire and Floor No.2 Wire (Right Kick Panel)
Io1	88	Dash Wire and Dash Wire (Center Side of Front Console)
BA1	90	Front Door LH Wire and Front Door Sub Wire (Front Door LH)
BB3	90	Rear Door LH Wire and Floor No.1 Wire (Left Side of Center Pillar)
BB4		
BD1	90	Frame No.2 Wire and Frame Wire (Near the Left Rear Suspension Support)
BE3	90	Rear Door RH Wire and Floor No.2 Wire (Right Side of Center Pillar)
BE4		
BF5	90	Floor No.3 Wire and Floor No.1 Wire (Left Rear Side Quarter Panel)
BK1	92	Pillar No.1 Wire and Back Door Upper Wire (Left Side of Back Door)
BK2		
BO4	94	Floor No.2 Wire and Floor No.3 Wire (Right Side of Rear Floor Crossmember)
BS3	94	Pillar No.1 Wire and Floor No.1 Wire (Left Rear Side Quarter Panel)
BS4		
BT2	94	Back Door Lower Wire and Floor No.1 Wire (Left Rear Side Quarter Panel)
BU1	94	Roof No.3 Wire and Roof No.1 Wire (Front Side of Roof)
BV1	94	Door Lock LH Sub Wire and Front Door LH Wire (Front Door LH)
BW1	94	Door Lock RH Sub Wire and Front Door RH Wire (Front Door RH)
BX1	94	Floor No.1 Wire and Floor No.1 Wire (Near the Left Rear Suspension Support)

**: Ground Points**

Code	See Page	Ground Points Location
EA	78	Front Right Side of Fender Apron
EC	78	Rear Bank of Right Cylinder Head
IF	80	Set Bolt of Cowl Side J/B LH
IG		
II	80	Set Bolt of Cowl Side J/B RH
BJ	90	Under the Driver's Seat
BK	90	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
E4	78	Engine Wire	B7	92	Front Door RH Wire
B2	92	Front Door LH Wire	B9	92	Floor No.2 Wire
B3	92	Floor No.1 Wire	B10	92	Floor No.1 Wire
B4			B14	92	Back Door Upper Wire
B5	92	Roof No.1 Wire	B21	92	Floor No.1 Wire