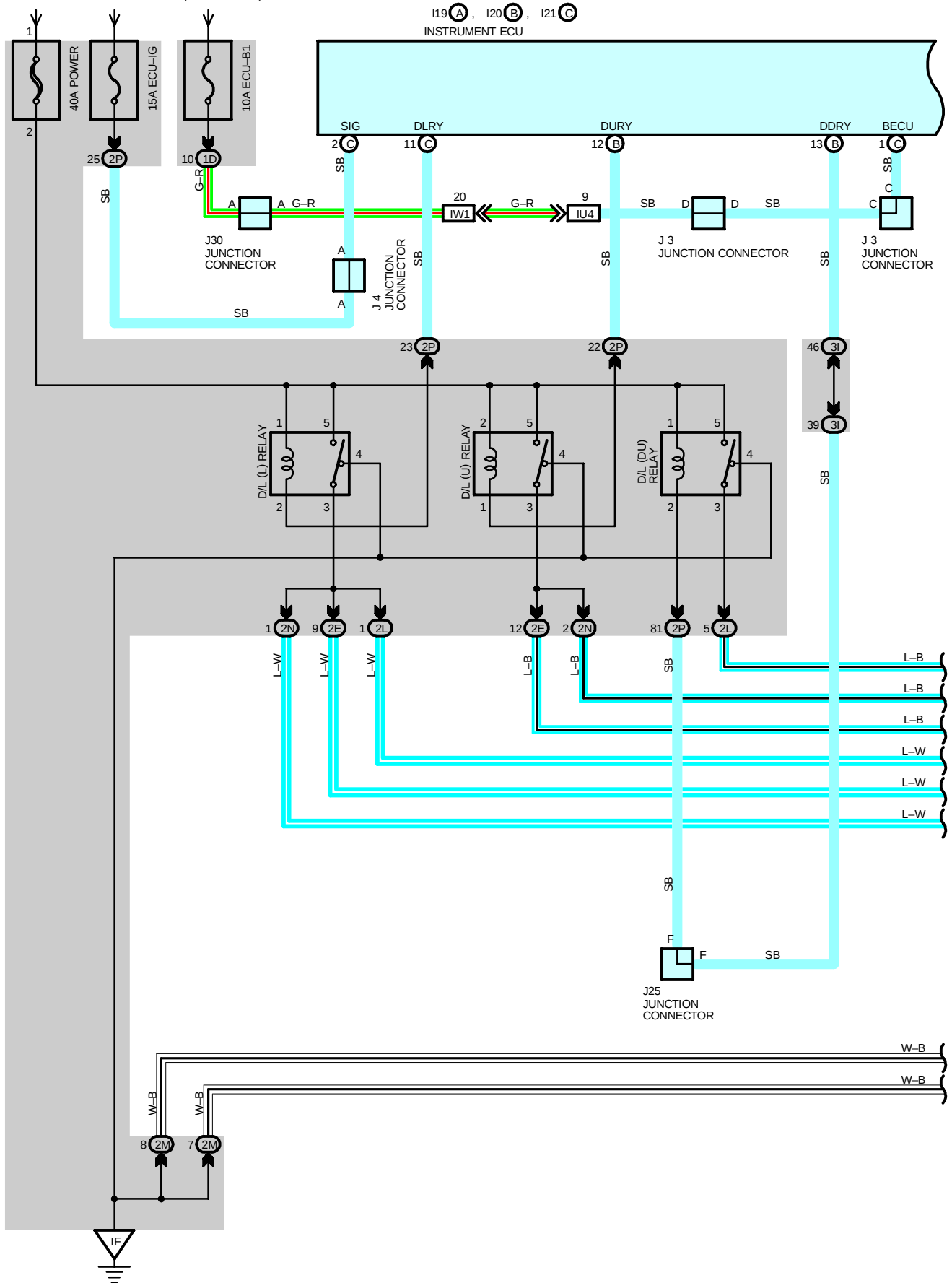
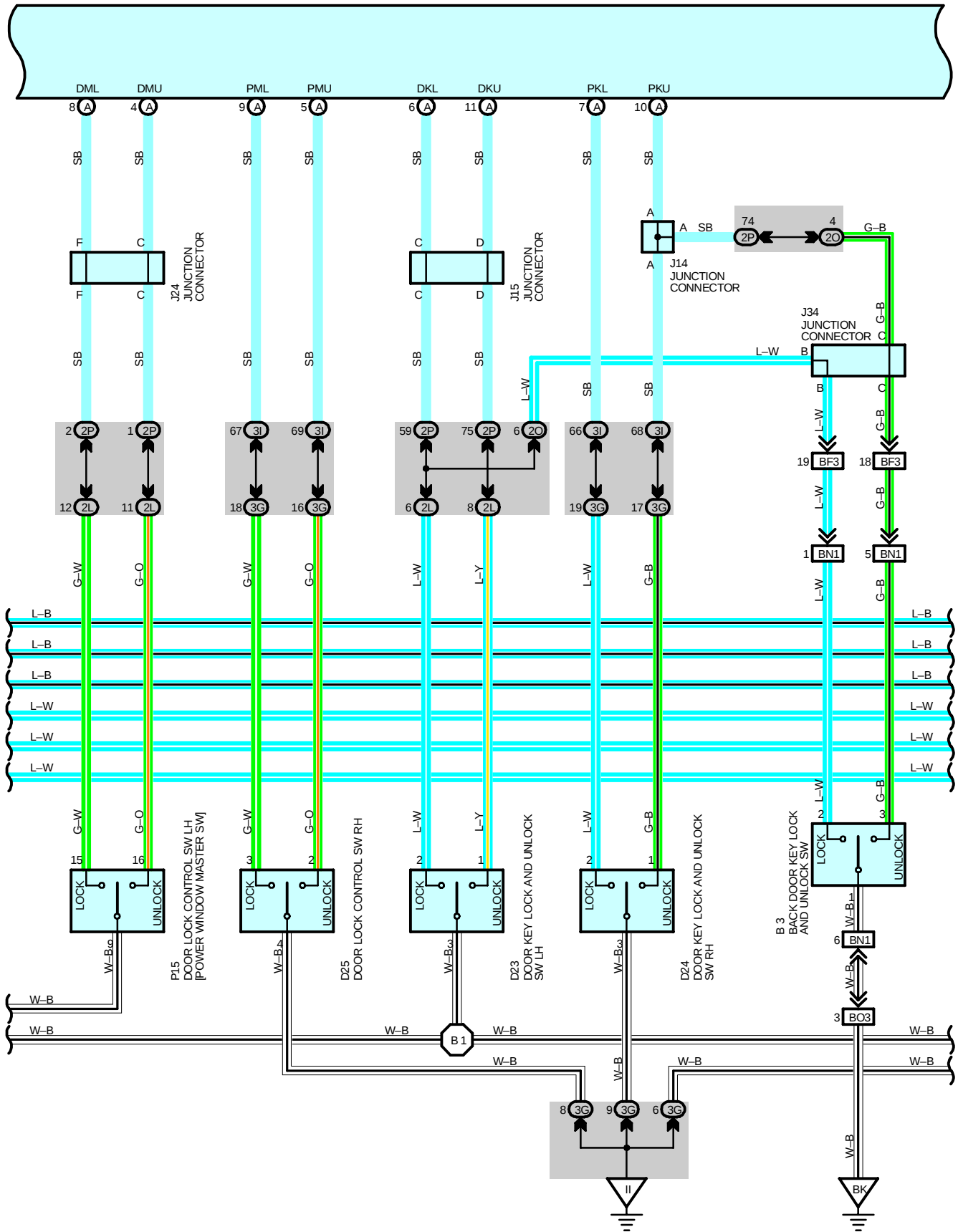


DOOR LOCK CONTROL

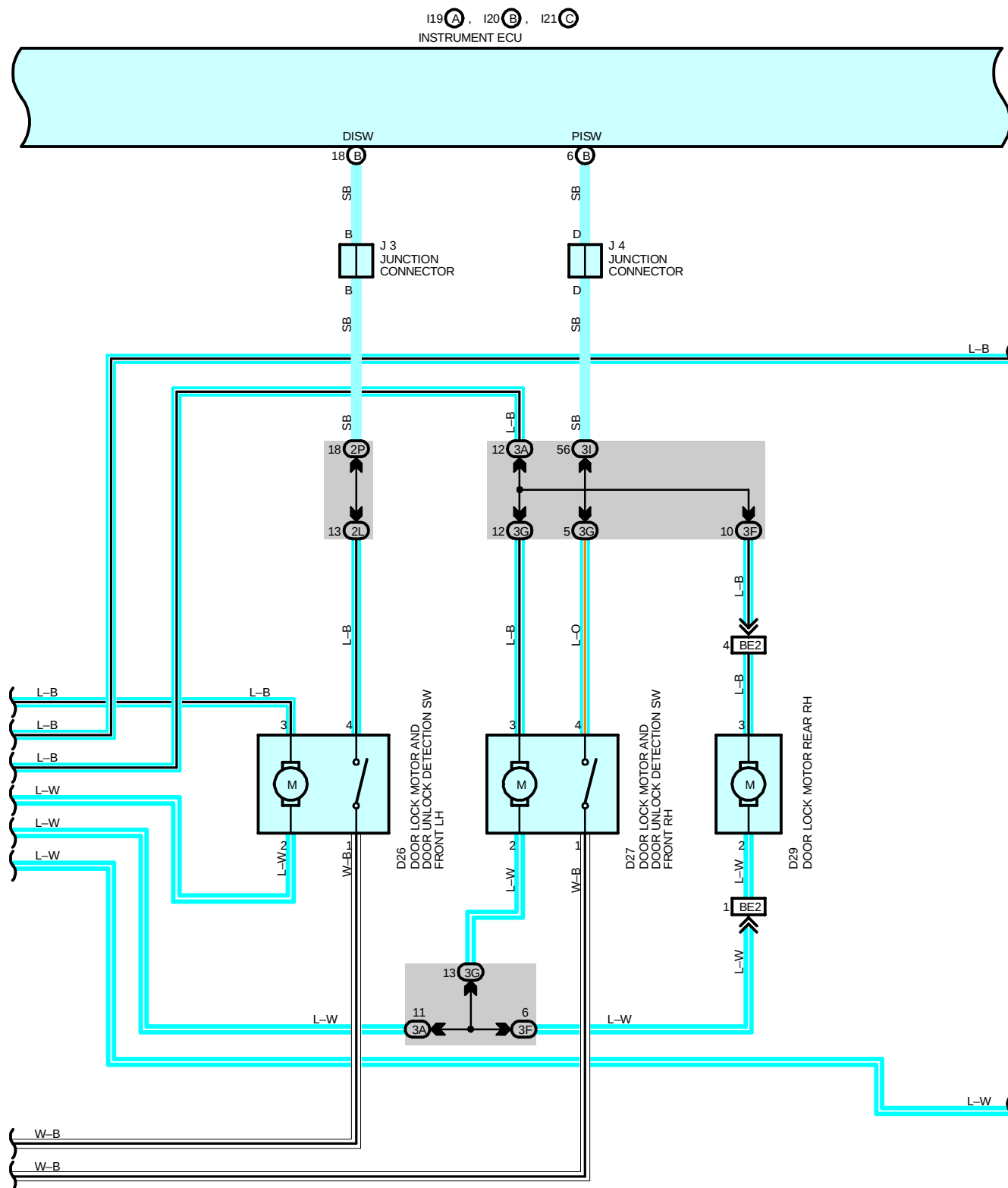
FROM POWER SOURCE SYSTEM (SEE PAGE 62)



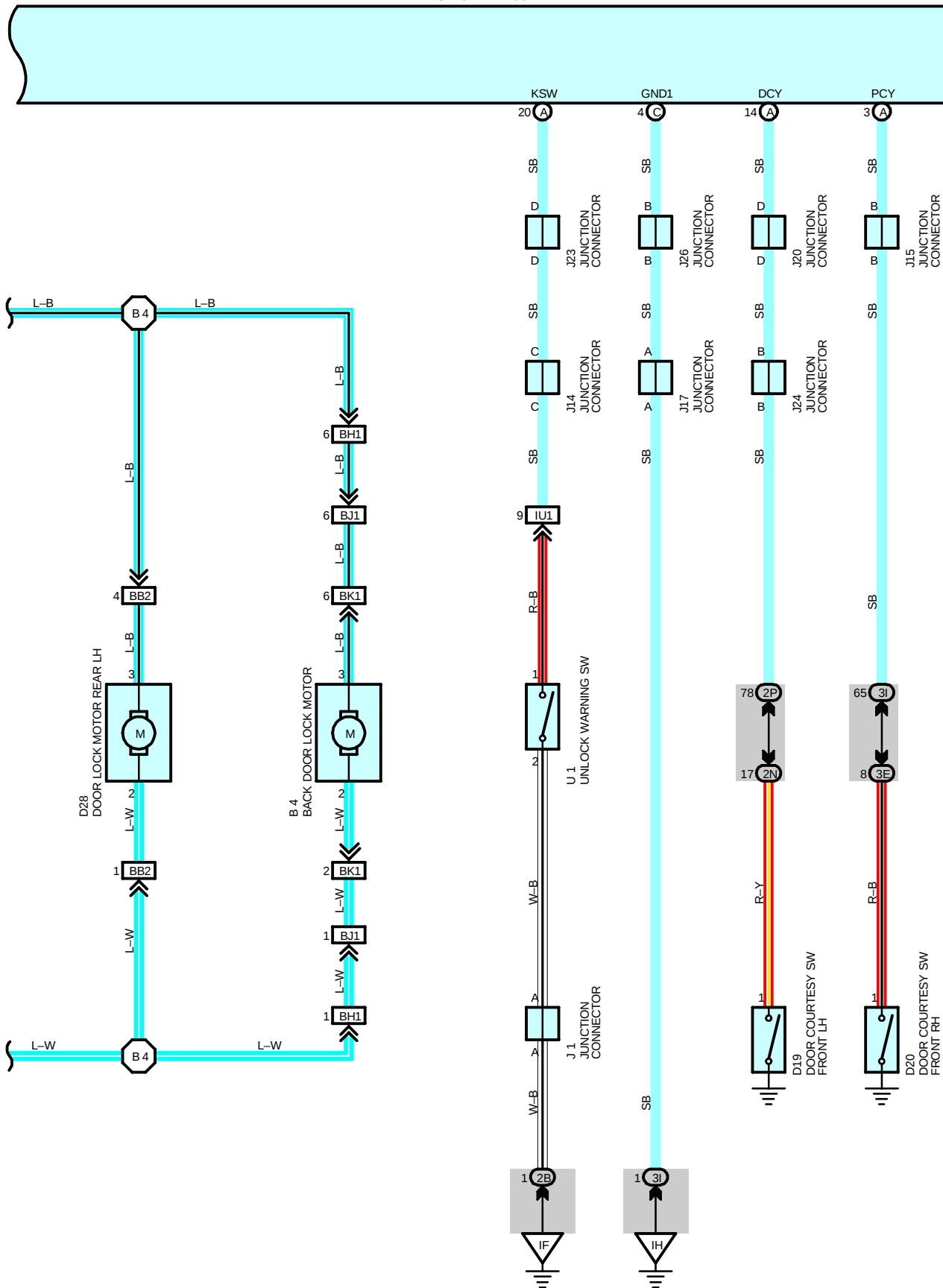
I19 (A), I20 (B), I21 (C)
INSTRUMENT ECU



DOOR LOCK CONTROL



I19 (A), I20 (B), I21 (C)
INSTRUMENT ECU



DOOR LOCK CONTROL

SYSTEM OUTLINE

1. MANUAL UNLOCK OPERATION

When the door lock control SW of the driver or front passenger door is pressed to unlock side, a signal is input to the instrument ECU TERMINAL DMU, and TERMINAL PMU respectively. Then the current flows from the POWER fuse to D/L (U) relay (Coil side) to instrument ECU TERMINAL DURY to TERMINAL GND1 to GROUND, and turns on the D/L (U) relay and D/L (DU) relay. At the same time, the current flows from the POWER fuse to D/L (U) relay, D/L (DU) relay TERMINAL 5 to TERMINAL 3 to door lock motor and back door lock motor to D/L (L) relay TERMINAL 3 to TERMINAL 4 to GROUND, and unlocks the door.

2. MANUAL LOCK OPERATION

When the door lock control SW of the driver or front passenger door is pressed to lock side, a signal is input to the instrument ECU TERMINAL DML, and TERMINAL PML respectively. Then the current flows from the POWER fuse to D/L (L) relay (Coil side) to instrument ECU TERMINAL DLRY to TERMINAL GND1 to GROUND. This turns on the D/L (L) relay and the current flows from the POWER fuse to D/L (L) relay TERMINAL 5 to TERMINAL 3 to door lock motor and back door lock motor to D/L (U) relay, D/L (DU) relay TERMINAL 3 to TERMINAL 4 to GROUND, and locks the door.

3. DOOR KEY UNLOCK OPERATION

* Unlock operation from driver door

When the door is unlocked once by the ignition key from the driver side, a signal is input from door key lock and unlock SW LH to instrument ECU TERMINAL DKU. As a result, the instrument ECU operates and the current flows from POWER fuse to D/L (DU) relay (Coil side) to instrument ECU TERMINAL DURY to TERMINAL GND1 to GROUND, and turns on the D/L (DU) relay. At the same time, the current flows from the POWER fuse to D/L (DU) relay TERMINAL 5 to TERMINAL 3 to door lock motor front LH to D/L (L) relay TERMINAL 3 to TERMINAL 4 to GROUND, and unlocks the driver door only. Accordingly, if the second unlock operation is made within 3 seconds, a signal is input to instrument ECU TERMINAL DKU, and the current flows as manual unlock operation, and unlocks all the doors.

* Unlock operation from front passenger or back door

When the front passenger door or back door is unlocked using the ignition key, a signal from the door key lock and unlock SW RH and/or back door key lock and unlock SW is input to instrument ECU TERMINAL PKU. As a result, the current flows as manual unlock operation and unlocks all the doors at once.

4. IGNITION KEY REMINDER OPERATION

When the door is locked using the door lock knob with the ignition key remaining in the key cylinder and door opened, it is automatically unlocked. Additionally, if lock operation is made by the door lock control SW or door key lock SW, after the lock operation is completed, the doors are unlocked automatically.

SERVICE HINTS

I19 (A), I21 (C) INSTRUMENT ECU

- (C) 1-GROUND : Always approx. **12** volts
- (C) 2-GROUND : Approx. **12** volts with ignition SW at **ON** or **ST** position
- (C) 4-GROUND : Always continuity
- (A) 3-GROUND : Continuity with front RH door open
- (A)14-GROUND : Continuity with front LH door open
- (A)20-GROUND : Continuity with ignition key in ignition key cylinder

D26, D27 DOOR LOCK MOTOR AND DOOR UNLOCK DETECTION SW FRONT LH, RH

- 2-GROUND : Approx. **12** volts with door lock motor at lock operate
- 3-GROUND : Approx. **12** volts with door lock motor at unlock operate

D28, D29 DOOR LOCK MOTOR REAR LH, RH

- 2-GROUND : Approx. **12** volts with door lock motor at lock operate
- 3-GROUND : Approx. **12** volts with door lock motor at unlock operate

B4 BACK DOOR LOCK MOTOR

- 2-GROUND : Approx. **12** volts with door lock motor at lock operate
- 3-GROUND : Approx. **12** volts with door lock motor at unlock operate

: PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
B3	40	D29	40	J20	39
B4	40	I19	A	J23	39
D19	40	I20	B	J24	39
D20	40	I21	C	J25	39
D23	40	J1	39	J26	39
D24	40	J3	39	J30	39
D25	40	J4	39	J34	40
D26	40	J14	39	P15	41
D27	40	J15	39	U1	39
D28	40	J17	39		

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1D	21	Engine Room No.2 Wire and Engine Room J/B (Engine Compartment Left)
2B	24	Dash Wire and Cowl Side J/B LH (Left Kick Panel)
2E	24	Engine Room No.2 Wire and Cowl Side J/B LH (Left Kick Panel)
2L	24	Front Door LH Wire and Cowl Side J/B LH (Left Kick Panel)
2M		
2N	24	Floor Wire and Cowl Side J/B LH (Left Kick Panel)
2O		
2P	26	Instrument Panel Integration Wire and Cowl Side J/B LH (Left Kick Panel)
3A	30	Engine Room No.2 Wire and Cowl Side J/B RH (Right Kick Panel)
3E	30	Floor No.2 Wire and Cowl Side J/B RH (Right Kick Panel)
3F		
3G	30	Front Door RH Wire and Cowl Side J/B RH (Right Kick Panel)
3I	30	Instrument Panel Integration 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)
IU1	50	Instrument Panel Integration Wire and Dash Wire (Behind the Glove Box)
IU4	50	
IW1	52	Engine Room No.2 Wire and Dash Wire (Behind the Glove Box)
BB2	54	Rear Door LH Wire and Floor Wire (Left Side of Center Pillar)
BE2	54	Rear Door RH Wire and Floor No.2 Wire (Right Side of Center Pillar)
BF3	54	Floor No.3 Wire and Floor Wire (Left Rear Side Quarter Panel)
BH1	54	Luggage Room Wire and Floor Wire (Left Rear Side Quarter Panel)
BJ1	56	Pillar No.1 Wire and Luggage Room Wire (Left Rear Side Roof Panel)
BK1	56	Pillar No.1 Wire and Back Door Upper Wire (Left Side of Back Door)
BN1	56	Back Door Lower Wire and Floor No.3 Wire (Right Side of Rear Floor Crossmember)
BO3	56	Floor No.2 Wire and Floor No.3 Wire (Right Side of Rear Floor Crossmember)

: GROUND POINTS

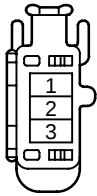
Code	See Page	Ground Points Location
IF	46	Set Bolt of Cowl Side J/B LH
IH	46	Set Bolt of Cowl Side J/B RH
II		
BK	54	Front Side Under the Front Passenger's Seat

: SPLICE POINTS

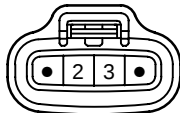
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
B1	56	Front Door LH Wire	B4	56	Floor Wire

DOOR LOCK CONTROL

B3



B4
BLACK



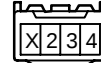
D19, D20



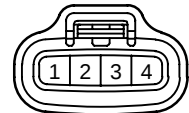
D23, D24
GRAY



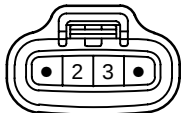
D25



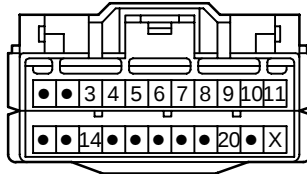
D26, D27
BLACK



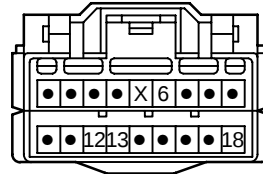
D28, D29
BLACK



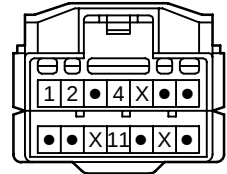
I19 (A)



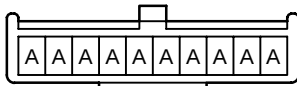
I20 (B)



I21 (C)
BLUE

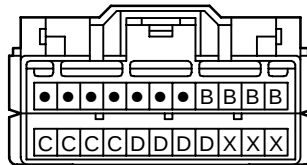


J1



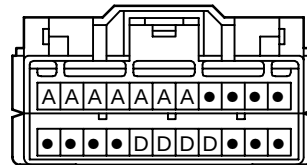
(Hint : See Page 7)

J3
GRAY



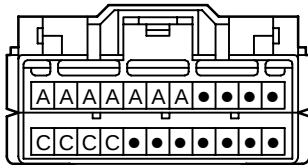
(Hint : See Page 7)

J4



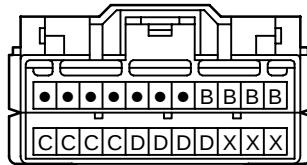
(Hint : See Page 7)

J14



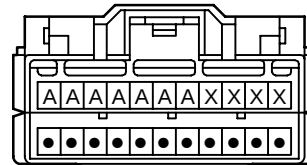
(Hint : See Page 7)

J15
GRAY



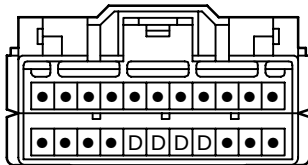
(Hint : See Page 7)

J17



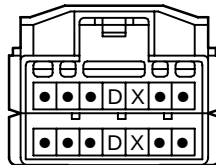
(Hint : See Page 7)

J20
GRAY



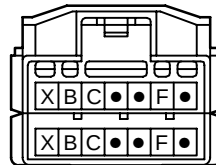
(Hint : See Page 7)

J23
BLUE



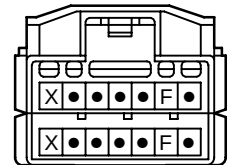
(Hint : See Page 7)

J24
GRAY



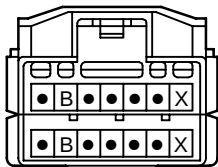
(Hint : See Page 7)

J25



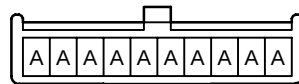
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J26



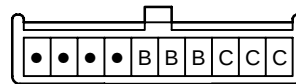
(Hint : See Page 7)

J30
BLUE



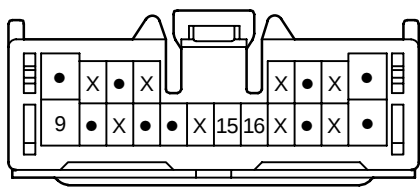
(Hint : See Page 7)

J34
BLUE



(Hint : See Page 7)

P15



U1

