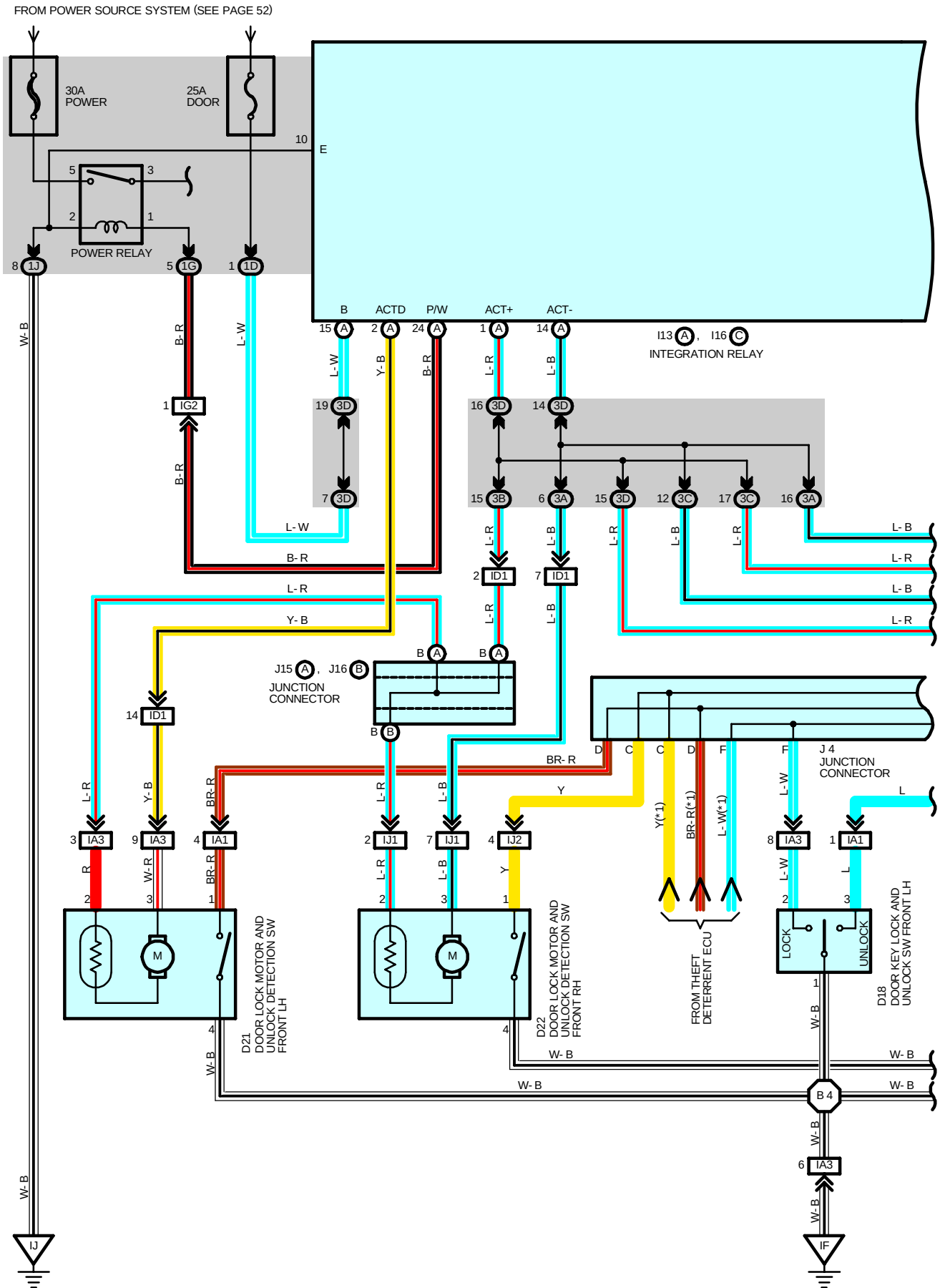
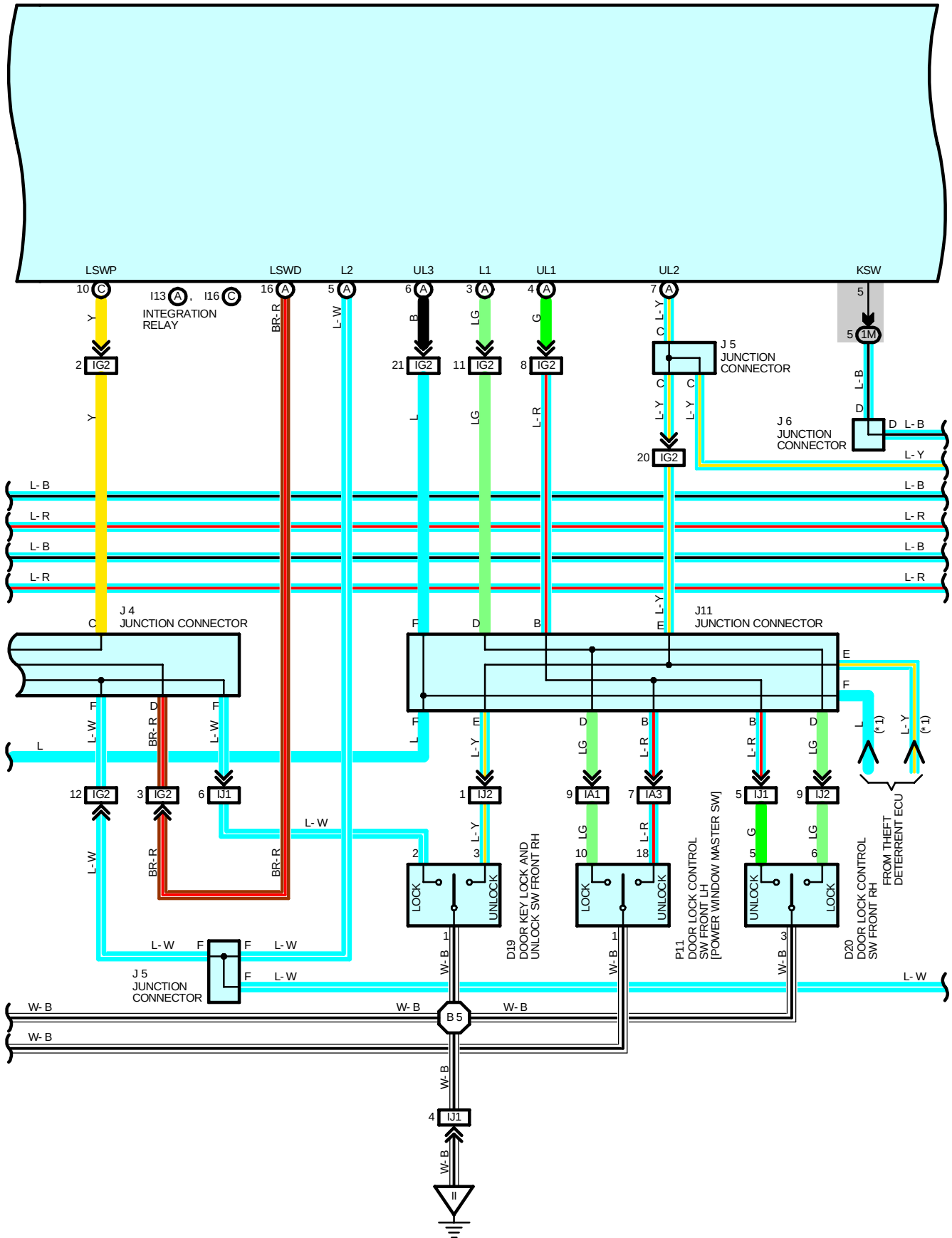
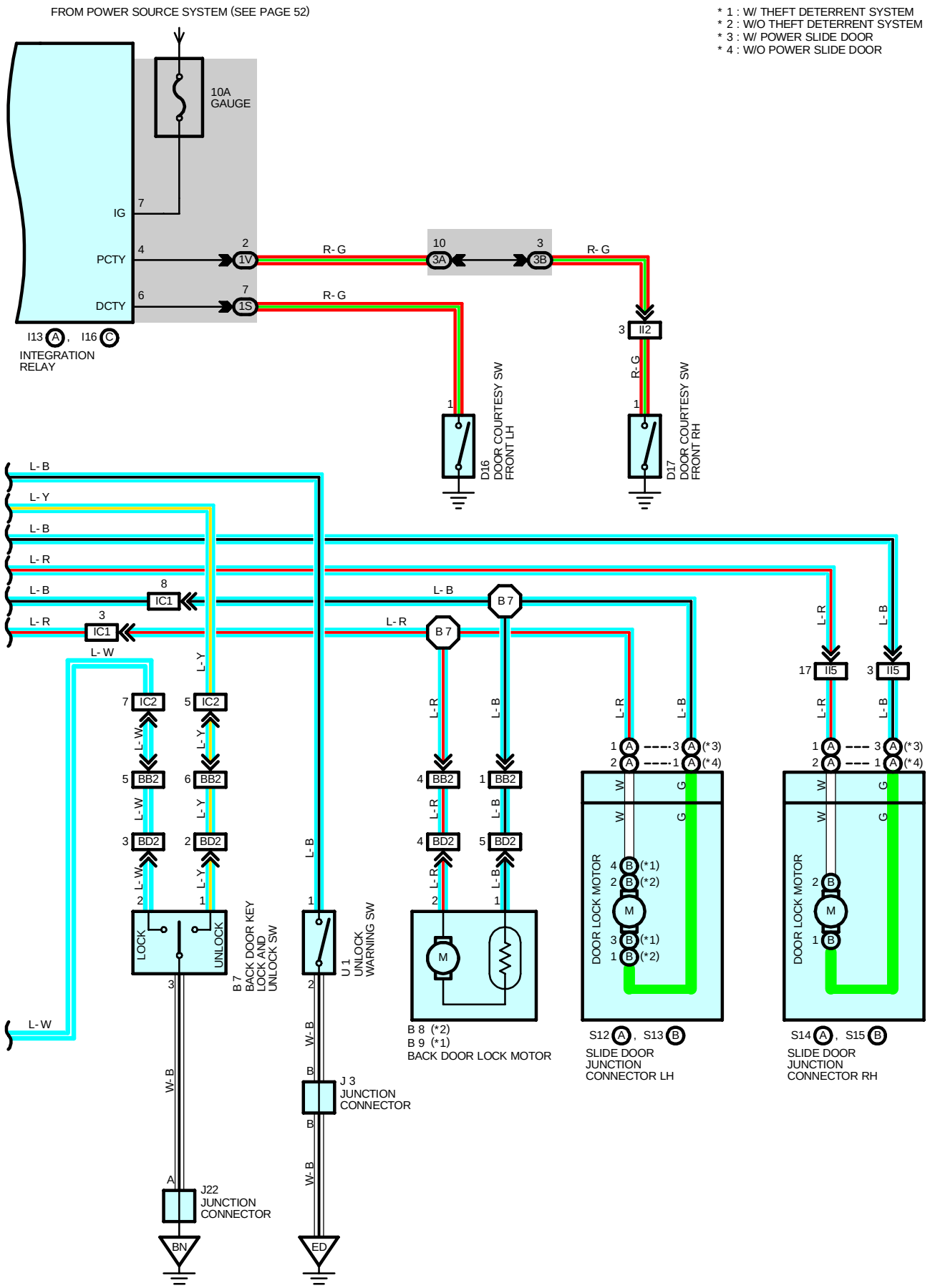


DOOR LOCK CONTROL







SYSTEM OUTLINE

Current always flows to TERMINAL (A) 15 of the integration relay through the DOOR fuse.

When the ignition SW is turned on, the current flowing through the GAUGE fuse flows to TERMINAL 7 of the integration relay to TERMINAL (A) 24 to the power relay (Coil side) to GROUND.

1. MANUAL LOCK OPERATION

When the door lock control SW or door key lock and unlock SW is operated to LOCK position, a lock signal is input to TERMINAL (A) 3 or (A) 5 of the integration relay and activates the relay. Current flows from TERMINAL (A) 15 of the integration relay to TERMINAL (A) 1 to TERMINAL 2 of the door lock motors (Front LH, RH and back door) and (A) 2 or (A) 1 of the slide door junction connectors (LH and RH) to TERMINAL 3 (Front LH and RH), 1 (Back door) and (A) 1 or (A) 3 (Slide door LH and RH) to TERMINAL (A) 2 or (A) 14 of the integration relay to TERMINAL 10 to GROUND and the door lock motors lock all doors.

2. MANUAL UNLOCK OPERATION

When the door lock control SW or door key lock and unlock SW is operated to UNLOCK position, an unlock signal is input to TERMINAL (A) 4, (A) 6 or (A) 7 of the integration relay and activates the relay. Current flows from TERMINAL (A) 15 of the integration relay to TERMINAL (A) 2 or (A) 14 to TERMINAL 3 of the front door motors (LH and RH), 1 of the back door motor and (A) 1 or (A) 3 of the slide door junction connectors (LH and RH) to TERMINAL 2 of the door motors (Front LH, RH and back door) and (A) 2 or (A) 1 (Slide door LH and RH) to TERMINAL (A) 1 of the integration relay to TERMINAL 10 to GROUND and door lock motors unlock all doors.

3. DOUBLE OPERATION UNLOCK OPERATION

When the door key lock and unlock SW front LH is turned to the unlock side, only the driver's door is mechanically unlocked. By turning the door key lock and unlock SW front LH to the unlock side, a signal is input to TERMINAL (A) 6 of the integration relay. If the signal is input to TERMINAL (A) 6 again within 3 seconds by turning the SW to the unlock side again, current flows from TERMINAL (A) 2 or (A) 14 to TERMINAL 3 of the front door motors (LH and RH), 1 of the back door motor and (A) 1 or (A) 3 of the slide door junction connectors (LH and RH) to TERMINAL 2 of the door motors (Front LH, RH and back door) and (A) 2 or (A) 1 (Slide door LH and RH) to TERMINAL (A) 1 of the integration relay to TERMINAL 10 to GROUND, operating the door lock motors to unlock all doors.

4. IGNITION KEY REMINDER OPERATION

- * Operating door lock knob (Operation of door lock motors)

In the case that the door is opened and locked using the door lock knob (door lock motor), with the ignition key remaining in the cylinder, this relay unlocks the doors within a few seconds. Accordingly, the current flows from TERMINAL (A) 15 of the integration relay to TERMINAL (A) 2 or (A) 14 to TERMINAL 3 of the front door motors (LH and RH), 1 of the back door motor and (A) 1 or (A) 3 of the slide door junction connectors (LH and RH) to TERMINAL 2 of the door motors (Front LH, RH and back door) and (A) 2 or (A) 1 (Slide door LH and RH) to TERMINAL (A) 1 of the integration relay to TERMINAL 10 to GROUND and unlocks all the doors.

- * Operating door lock control SW or door key SW

In the case that the door is opened and locked using door lock control SW or key SW, with the ignition key remaining in the cylinder, the SW in the motors unlock the doors within a few seconds, and a signal is input to TERMINAL (A) 10 or (C) 10 of the integration relay. According to this input signal, the current flows from TERMINAL (A) 15 of the integration relay to TERMINAL (A) 2 or (A) 14 to TERMINAL 3 of the front door motors (LH and RH), 1 of the back door motor and (A) 1 or (A) 3 the slide door junction connectors (LH and RH) to TERMINAL 2 of the door motors (Front LH, RH and back door) and (A) 2 or (A) 1 (Slide door LH and RH) to TERMINAL (A) 1 of the integration relay to TERMINAL 10 to GROUND and unlocks all the doors.

- * In case of key less lock

When the unlock function is disturbed more than 0.2 seconds, with ignition key in cylinder (Unlock warning SW on), for example pushing the door lock knob etc., the door holds on lock condition. Closing the door after, door courtesy SW inputs the signal into TERMINAL 4 or 6 of the integration relay. By this input signal, the integration relay works and the current flows from TERMINAL (A) 15 of the integration relay to TERMINAL (A) 2 or (A) 14 to TERMINAL 3 of the front door motors (LH and RH), 1 of the back door motor and (A) 1 or (A) 3 of the slide door junction connectors (LH and RH) to TERMINAL 2 of the door motors (Front LH, RH and back door) and (A) 2 or (A) 1 (Slide door LH and RH) to TERMINAL (A) 1 of the integration relay to TERMINAL 10 to GROUND and unlocks all the doors.

5. SIDE DOOR AUTOMATIC LOCK OPERATION

This is the function to lock the sliding door automatically if you lock the driver side door is locked with a key or manual SW and close the sliding door when the sliding door is open.

DOOR LOCK CONTROL

SERVICE HINTS

I13 (A), I16 (C) INTEGRATION RELAY

- 10-GROUND : Always continuity
- 6-GROUND : Continuity with driver's door open
- 4-GROUND : Continuity with front passenger's door open
- 7-GROUND : Approx. **12** volts with the ignition SW at **ON** position
- (A)15-GROUND : Always approx. **12** volts
- (A) 1-GROUND : Approx. **12** volts **0.2** seconds with following operation
 - *Door lock control SW locked
 - *Locking driver's, front passenger's door cylinder with key
- (A) 3-GROUND : Continuity with door lock control SW locked
- (A)16-GROUND : Continuity with driver's door lock knob unlocked
- (C)10-GROUND : Continuity with front passenger's door lock knob unlocked
- (A) 4-GROUND : Continuity with door lock control SW unlocked
- (A) 7-GROUND : Continuity with front passenger's door lock cylinder unlocked with key
- (A) 6-GROUND : Continuity with driver's door lock cylinder unlocked with key
- (A) 5-GROUND : Continuity with driver's, front passenger's door lock cylinder locked with key
- (A)14-GROUND : Approx. **12** volts **0.2** seconds with following operation
 - *Door lock control SW unlocked
 - *Door lock control SW locked with ignition key in cylinder and driver's door open (Ignition key reminder function)
 - *Door lock knob locked with ignition key in cylinder and driver's door open (Ignition key reminder function)
 - *Unlocking driver's, front passenger's door cylinder with key

D16, D17 DOOR COURTESY SW FRONT LH,RH

- 1-GROUND : Closed with each door open

D18, D19 DOOR KEY LOCK AND UNLOCK SW FRONT LH,RH

- 1-2 : Closed with door lock cylinder locked with key
- 1-3 : Closed with door lock cylinder unlocked with key

B7 BACK DOOR KEY LOCK AND UNLOCK SW

- 2-3 : Closed with door lock cylinder locked with key
- 1-3 : Closed with door lock cylinder unlocked with key

D21, D22 DOOR LOCK MOTOR AND UNLOCK DETECTION SW FRONT LH,RH

- 1-4 : Closed with **UNLOCK** position

U1 UNLOCK WARNING SW

- 1-2 : Closed with ignition key in cylinder

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
B7	36	D22	36	J16 B	35
B8	36	I13 A	35	J22	36
B9	36	I16 C	35	P11	37
D16	36	J3	35	S12 A	37
D17	36	J4	35	S13 B	37
D18	36	J5	35	S14 A	37
D19	36	J6	35	S15 B	37
D20	36	J11	35	U1	35
D21	36	J15 A	35		

 : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1D	22	Cowl Wire and Driver Side J/B No.1 (Lower Finish Panel)
1G	22	Instrument Panel Wire and Driver Side J/B No.1 (Lower Finish Panel)
1J	22	Cowl Wire and Driver Side J/B No.1 (Lower Finish Panel)
1M		
1S	22	Floor Wire and Driver Side J/B No.1 (Lower Finish Panel)
1V	22	Cowl Wire and Driver Side J/B No.1 (Lower Finish Panel)
3A	26	Cowl Wire and J/B No.3 (Behind the Combination Meter)
3B		
3C		
3D		

 : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	42	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
IA3		
IC1	42	Cowl Wire and Floor Wire (Left Cowl Side Panel)
IC2		
ID1	42	Instrument Panel Wire and Cowl Wire (The Back Side of the Lower Finish Panel)
IG2	42	Instrument Panel Wire and Cowl Wire (Behind the Combination Meter)
II2	44	Floor No.2 Wire and Cowl Wire (Right Kick Panel)
II5		
IJ1	44	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
IJ2		
BB2	46	Back Door No.1 Wire and Floor Wire (Left Rear Quarter Panel)
BD2	46	Back Door No.1 Wire and Back Door No.2 Wire (Left Side of the Back Door)

 : GROUND POINTS

Code	See Page	Ground Points Location
ED	40	Near the Left Front Suspension Support
IF	42	Left Kick Panel
II	42	Right Kick Panel
IJ	42	Right Cowl Side Panel
BN	46	Right Side of the Back Door

 : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
B4	46	Front Door LH Wire	B7	46	Floor Wire
B5	46	Front Door RH Wire			