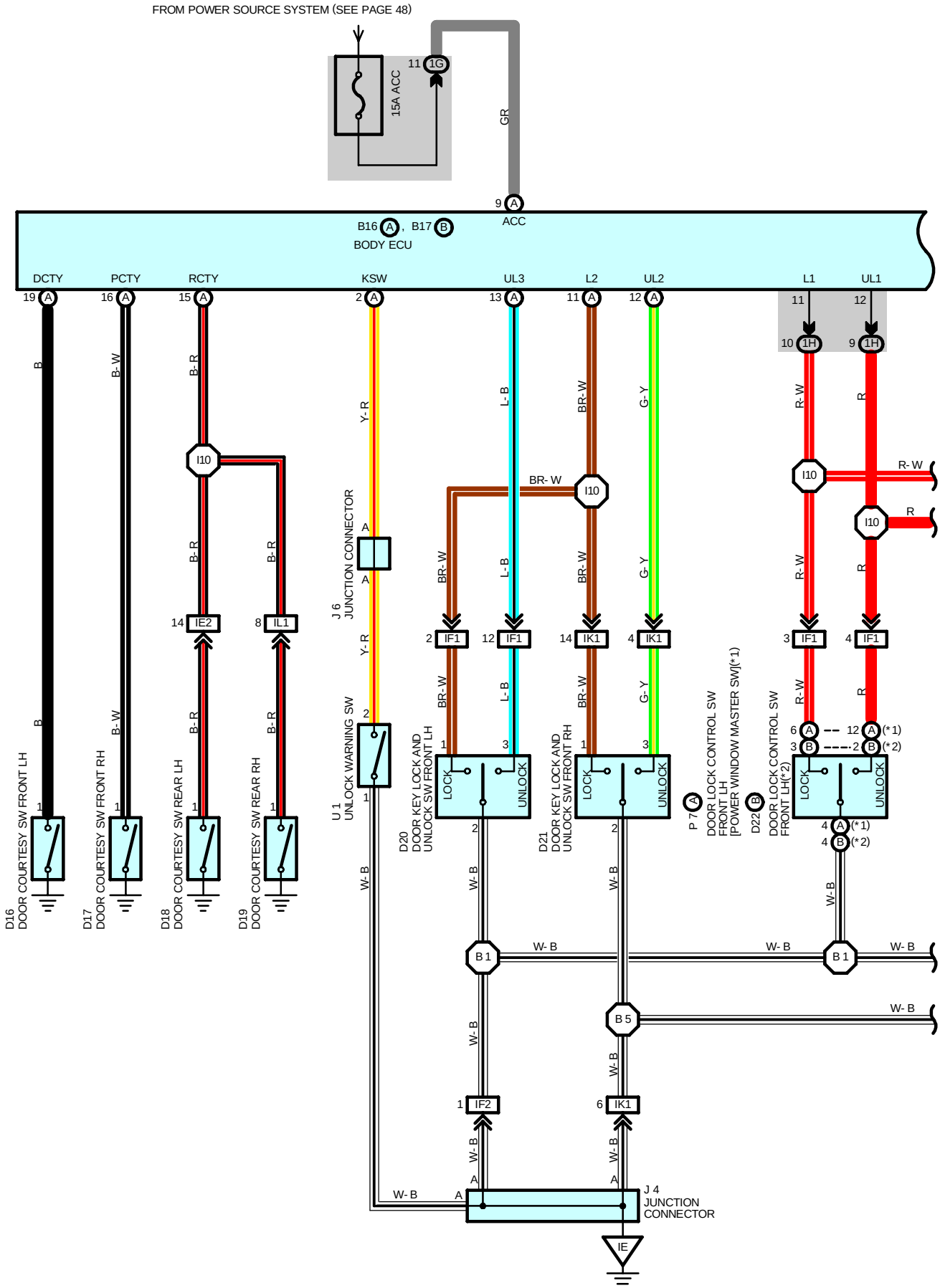
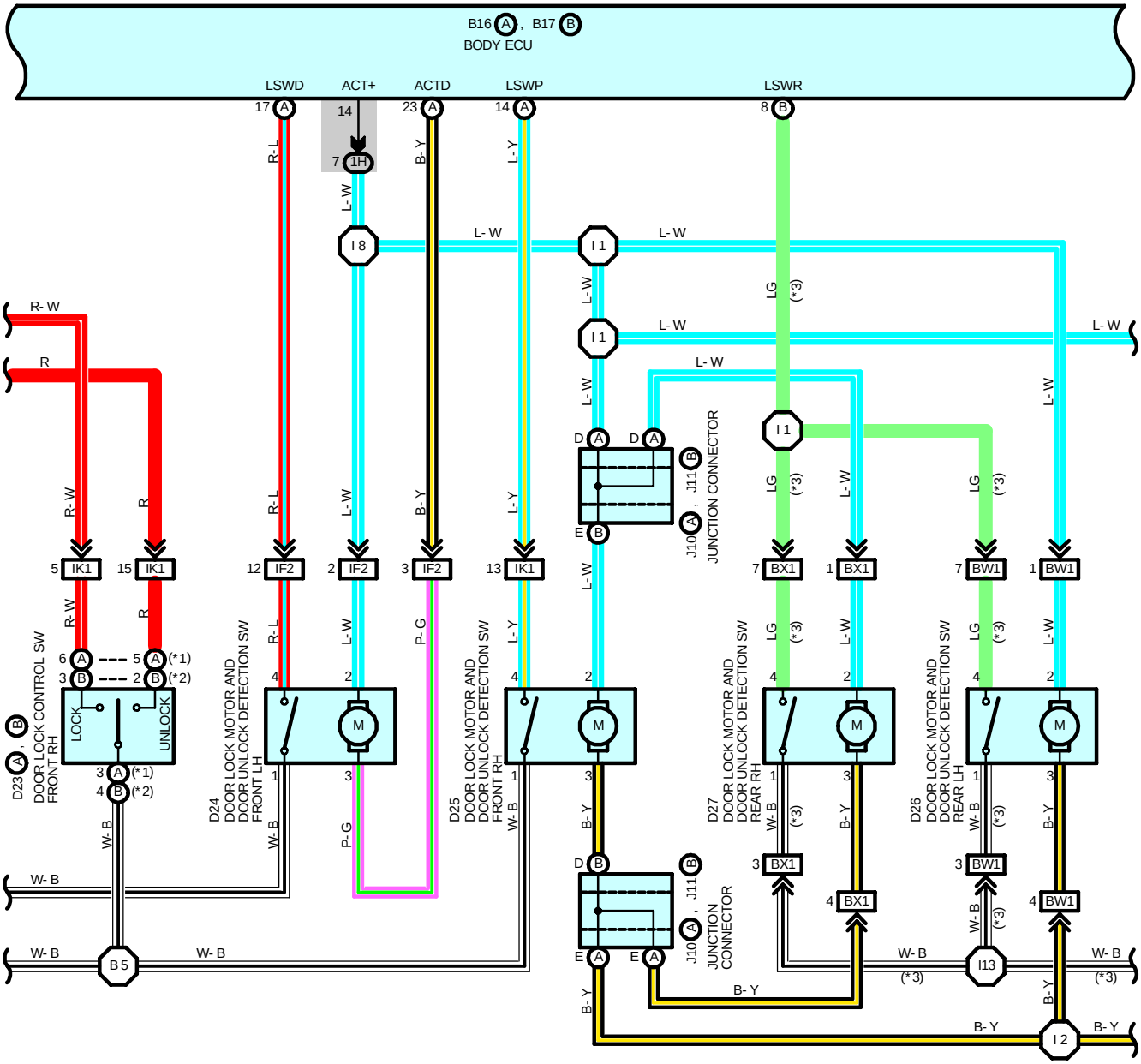
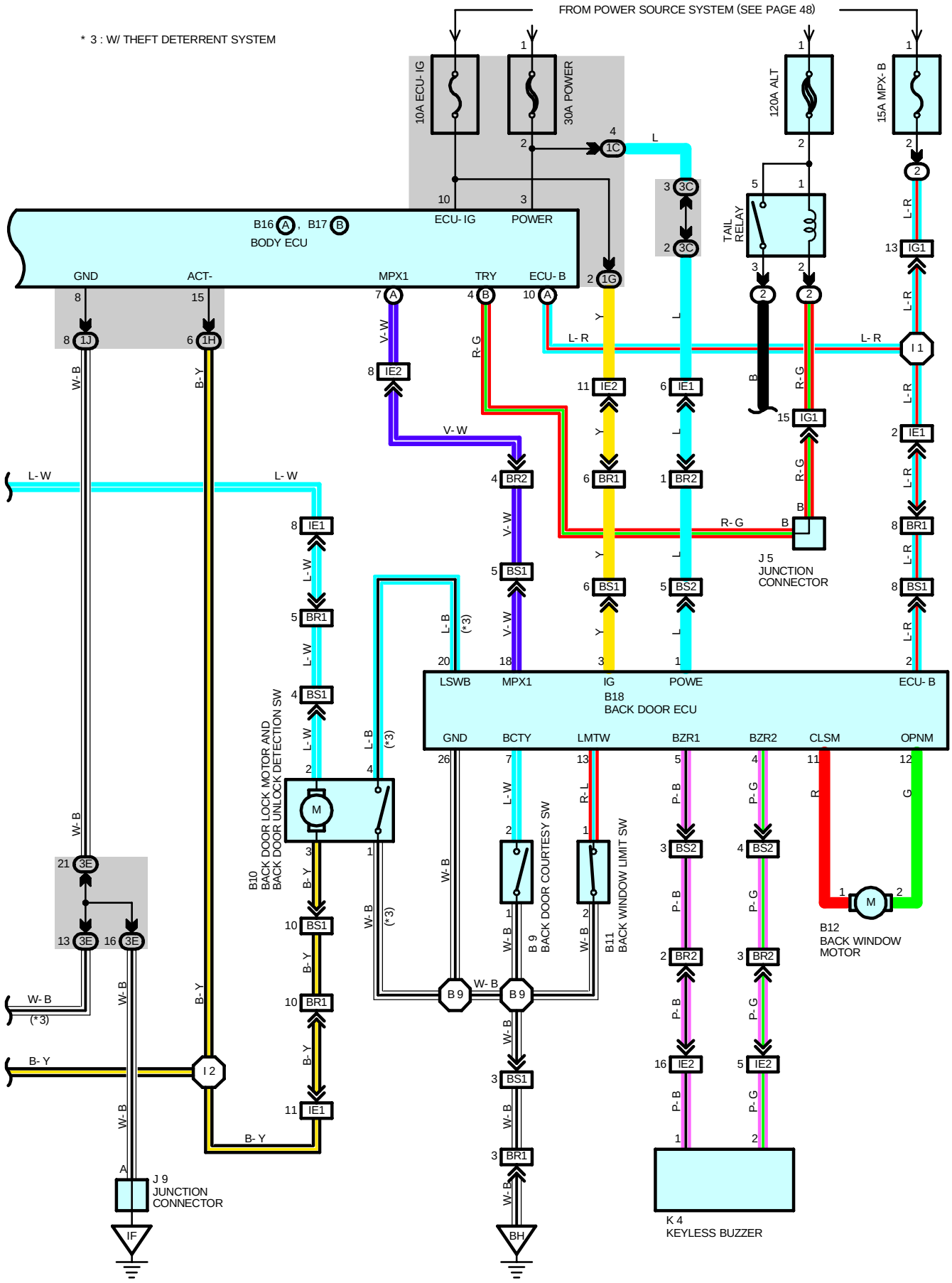
WIRELESS DOOR LOCK CONTROL



* 1 : W/ POWER WINDOW
* 2 : W/O POWER WINDOW
* 3 : W/ THEFT DETERRENT SYSTEM



WIRELESS DOOR LOCK CONTROL



SYSTEM OUTLINE

In this system, the back door ECU receivers weak radio wave transmitted from the transmitter built-into the ignition key, and outputs a signal to the body ECU. Accordingly, all the doors are can be locked and unlocked by remote control.

1. NORMAL OPERATION

* Lock operation
  When the lock SW on the transmitter is pressed, all the doors are locked.
* Unlock operation
  When the unlock SW on the transmitter is pressed once, only the driver door is unlocked. When the unlock SW is pressed again within 3 seconds, all the doors are unlocked.

2. AUTO LOCK FUNCTION

When the door is not actually opened within 30 seconds after the door has been unlocked by the unlock SW on the transmitter, all the doors are automatically locked. If any of the following conditions are detected, the wireless door lock does not function.

* Any door is opened.
* The ignition key is inserted into the ignition SW.
* When the unlock detection SW of all the doors are locked.

3. WIRELESS DOOR LOCK STOP FUNCTION

If any of the following conditions are detected, the wireless door lock does not function.
Lock operation

* When any door is open (Door courtesy SW on)
* The ignition key is inserted into the ignition SW (Unlock warning SW on)
* Ignition SW is on

Unlock operation

* Ignition SW is on

4. BUZZER SOUND FUNCTION

During lock operation, when the back door ECU receives a lock signal from the door unlock detection SW, the wireless door lock buzzer goes on once. During unlock operation, when the back door ECU receives an unlock signal from the door unlock detection SW, the keyless buzzer goes on twice.
With any door open, when the back door ECU receives a lock signal from the transmitter, the keyless buzzer goes on for approx. 10 seconds. If the door is closed, or ignition SW is on, or if the unlock signal is received from the transmitter while the buzzer is on, the buzzer stops.

5. VISUAL CONFIRMATION OF LOCK OR UNLOCK

During lock operation, when the back door ECU receives a lock signal from the door unlock detection SW, the taillight and front parking light is flashed once. During unlock operation, when the back door ECU receives an unlock signal from the door unlock detection SW, the taillight and front parking light is flashed twice.

6. PANIC MODE FUNCTION

When the panic SW on the transmitter is pressed, the back door ECU receives a signal and enters the panic mode. The signal input into the body ECU from the back door ECU turns on (during 60 seconds) the theft deterrent horn, the horn LH and RH, and flashes the front parking light, taillight and headlight. When the panic SW or the unlock SW of the transmitter is pressed during the panic mode, the panic mode is canceled, and the theft deterrent horn, the horn LH and RH stop, and the front parking light, taillight and headlight are turned off.

7. REPEAT FUNCTION

If the lock detection signal in response to the output signal is not received after the back door ECU has output the lock signal, the lock signal is output again.

8. BUZZER VOLUME CONTROL

The volume of the keyless buzzer can be set among 5 steps by operating the transmitter, when the ignition SW is off, any door open, and the ignition key is not in the ignition key cylinder.

9. BACK WINDOW CONTROL

When the ignition SW is off, the ignition key is not inserted into the ignition key cylinder, the back window can be opened by pressing the back window open SW of the transmitter for approximately 0.8 seconds. At that time, the keyless buzzer beeps once.

WIRELESS DOOR LOCK CONTROL

SERVICE HINTS

B16 (A) BODY ECU

8-GROUND : Always continuity
3, (A)10-GROUND : Always approx. **12** volts
10-GROUND : Approx. **12** volts with ignition SW at **ON** or **ST** position

D24, D25, D26, D27 DOOR LOCK MOTOR AND DOOR UNLOCK DETECTION SW FRONT LH, RH, REAR LH, RH

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

B10 BACK DOOR LOCK MOTOR AND BACK DOOR UNLOCK DETECTION SW

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

B18 BACK DOOR ECU

2-GROUND : Always approx. **12** volts
3-GROUND : Approx. **12** volts with ignition SW at **ON** or **ST** position
26-GROUND : Always continuity

: PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
B9	32	D19	32	J4	31
B10	32	D20	32	J5	31
B11	32	D21	32	J6	31
B12	32	D22 B	32	J9	31
B16 A	30	D23 A	32	J10 A	31
B17 B	30	D23 B	32	J11 B	31
B18	32	D24	32	K4	29
D16	32	D25	32	P7 A	33
D17	32	D26	32	U1	31
D18	32	D27	32		

: RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
2	22	Engine Room R/B (Engine Compartment Left)

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1C	24	Cowl Wire and Driver Side J/B (Lower Finish Panel)
1G		
1H		
1J		
3C	26	Cowl Wire and Center J/B (Near the Steering Column Tube)
3E		

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IE1	38	Cowl Wire and Floor No.2 Wire (Left Kick Panel)
IE2		
IF1	38	Front Door LH Wire and Cowl Wire (Left Kick Panel)
IF2		
IG1	38	Engine Room Main Wire and Cowl Wire (Left Kick Panel)
IK1	40	Front Door RH Wire and Cowl Wire (Right Kick Panel)
IL1	40	Cowl Wire and Floor Wire (Right Kick Panel)
BR1	42	Back Door No.1 Wire and Floor No.2 Wire (Left Rear Side of Roof)
BR2		
BS1	42	Back Door No.1 Wire and Back Door No.2 Wire (Back Door Left)
BS2		
BW1	42	Rear Door LH Wire and Cowl Wire (Left Center Pillar)
BX1	42	Rear Door RH Wire and Cowl Wire (Right Center Pillar)

: GROUND POINTS

Code	See Page	Ground Points Location
IE	38	Cowl Side Panel LH
IF	38	Cowl Side Panel RH
BH	42	Left Quarter Panel Inner

: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I1	40	Cowl Wire	I13	40	Cowl Wire
I2			B1	42	Front Door LH Wire
I8			B5	42	Front Door RH Wire
I10			B9	42	Back Door No.2 Wire