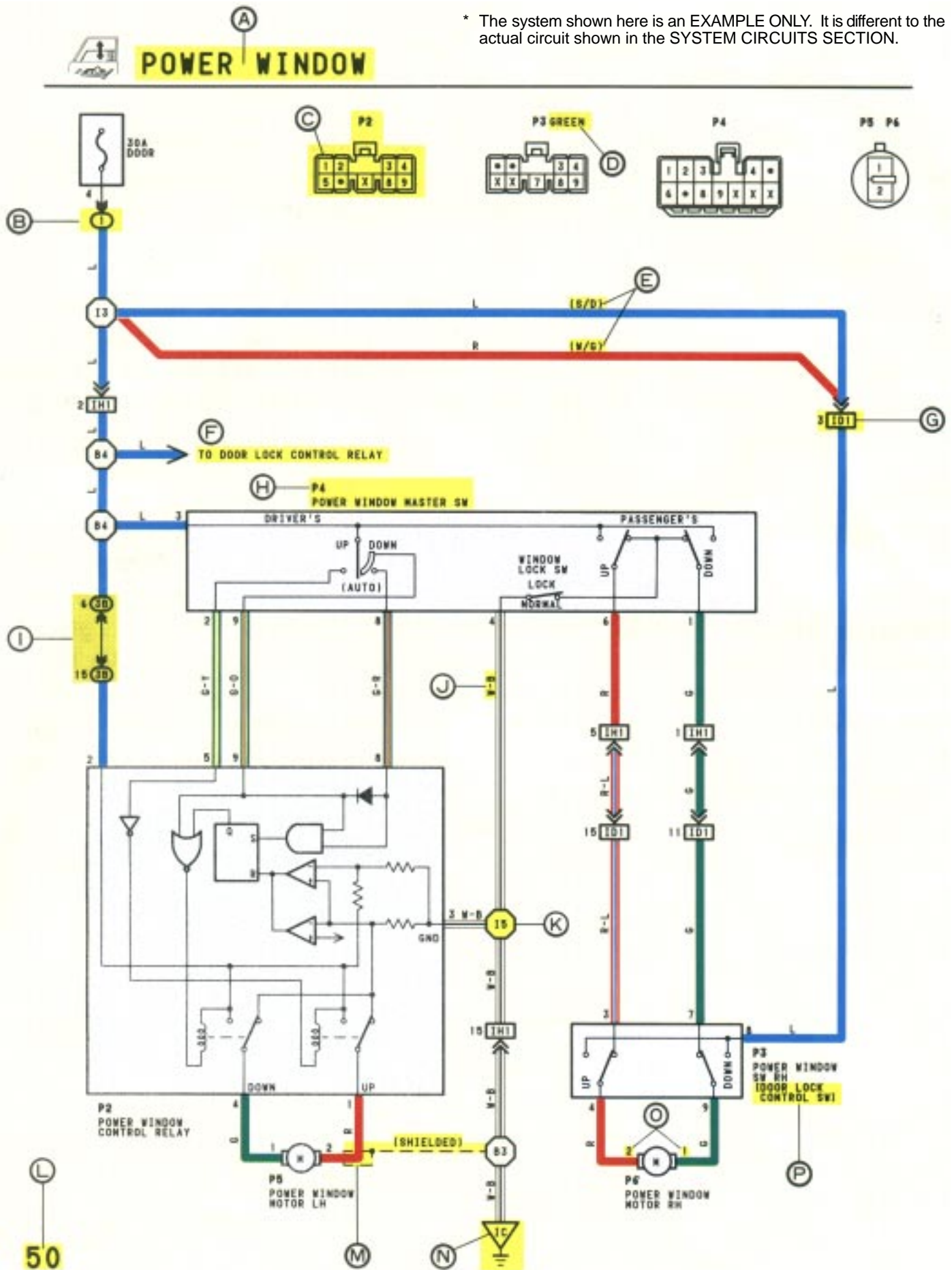
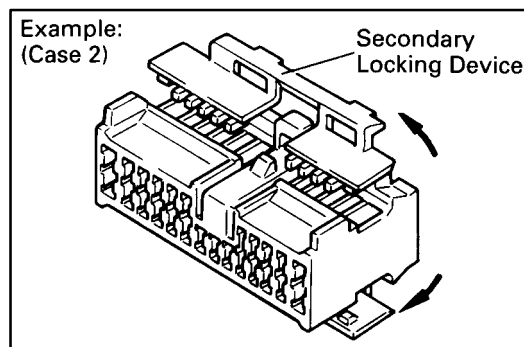
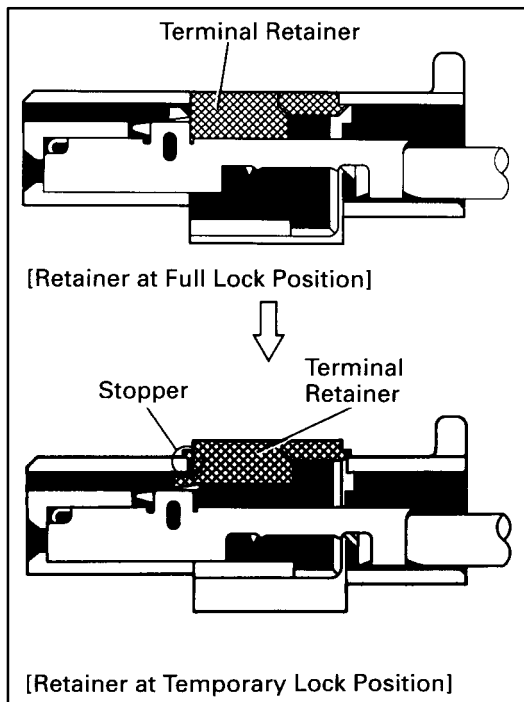
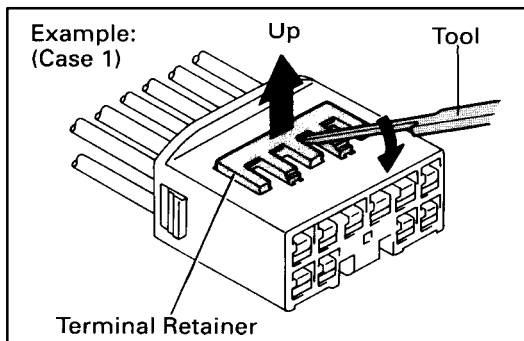
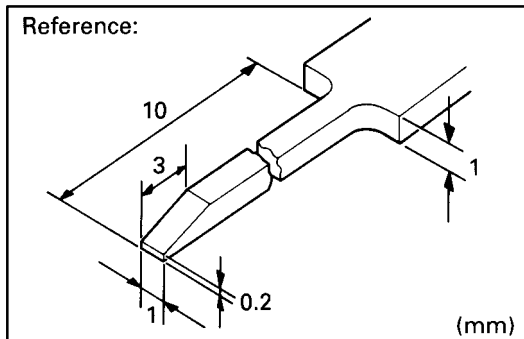


HOW TO USE THIS MANUAL

* The system shown here is an EXAMPLE ONLY. It is different to the actual circuit shown in the SYSTEM CIRCUITS SECTION.



TROUBLESHOOTING



HOW TO REPLACE TERMINAL (with terminal retainer or secondary locking device)

1. PREPARE THE SPECIAL TOOL
HINT: To remove the terminal from the connector, please construct and use the special tool or like object shown on the left.
2. DISCONNECT CONNECTOR
3. DISENGAGE THE SECONDARY LOCKING DEVICE OR TERMINAL RETAINER.
 - (a) Locking device must be disengaged before the terminal locking clip can be released and the terminal removed from the connector.
 - (b) Use a special tool or the terminal pick to unlock the secondary locking device or terminal retainer.

NOTICE:

Do not remove the terminal retainer from connector body.

- Ⓐ For Non-Waterproof Type Connector

HINT: The needle insertion position varies according to the connector's shape (number of terminals etc.), so check the position before inserting it.

"Case 1"

Raise the terminal retainer up to the temporary lock position.

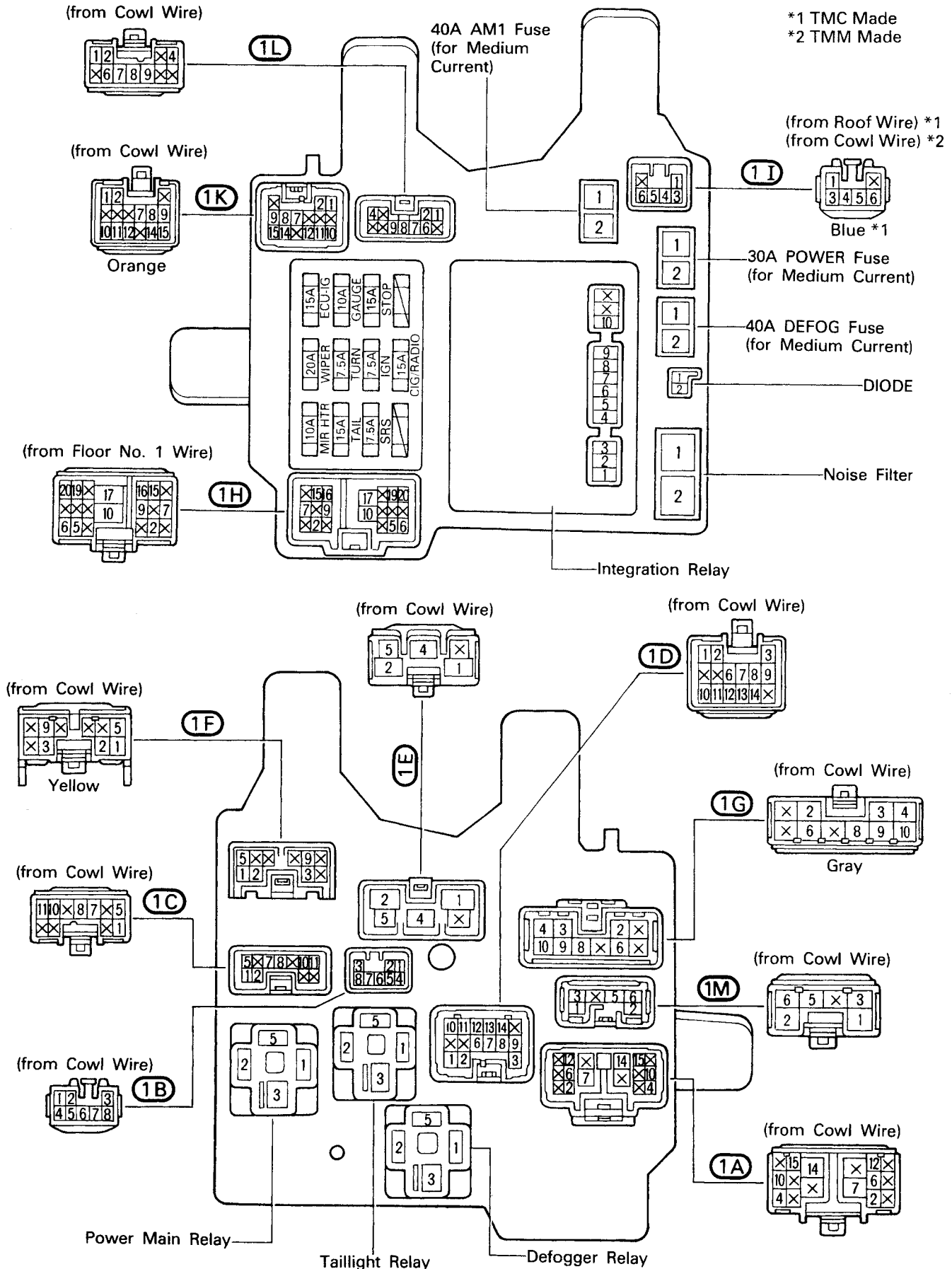
"Case 2"

Open the secondary locking device.

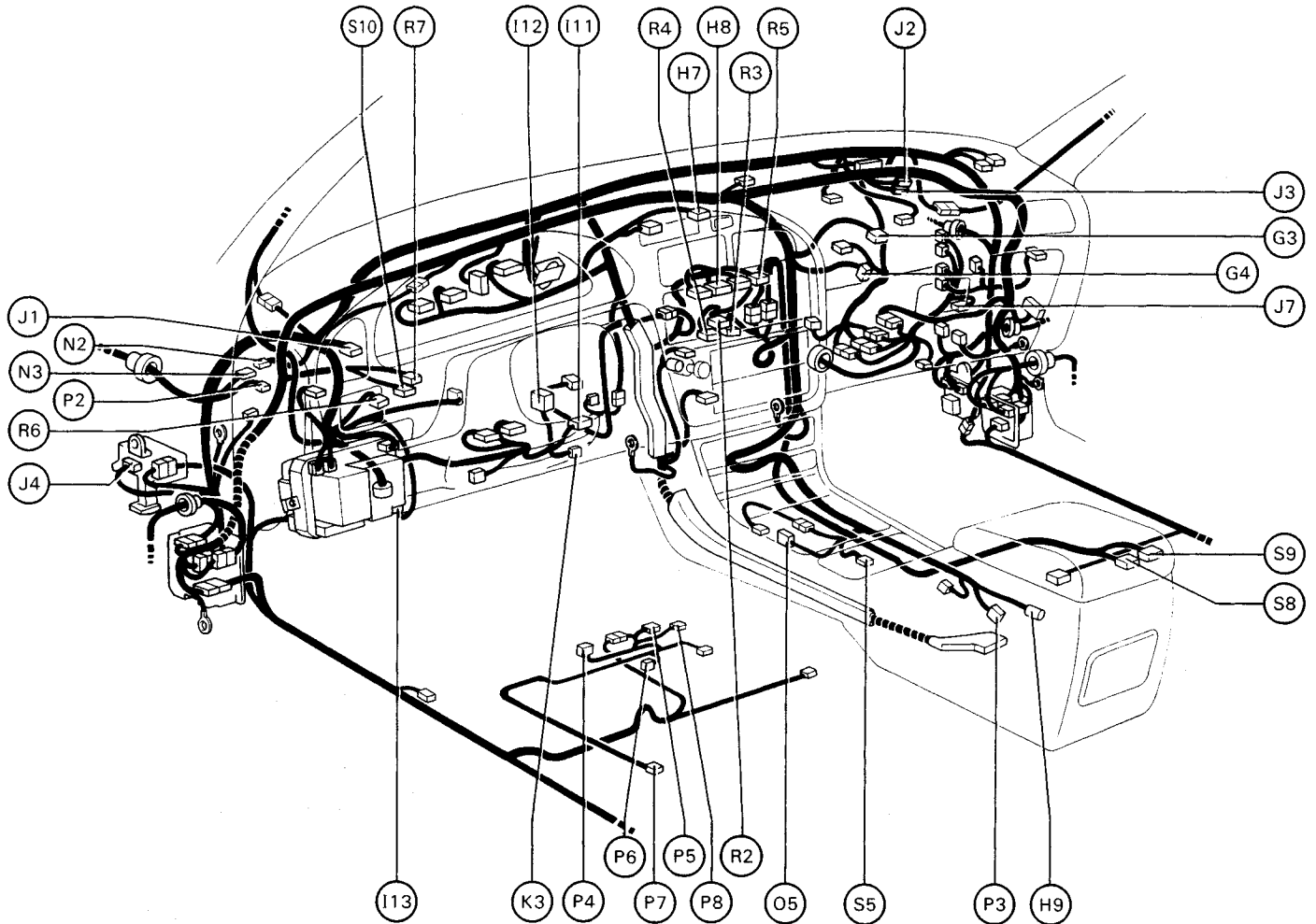
RELAY LOCATIONS

○ : J/B No. 1 Instrument Panel Left (See Page 18)

*1 TMC Made
*2 TMM Made



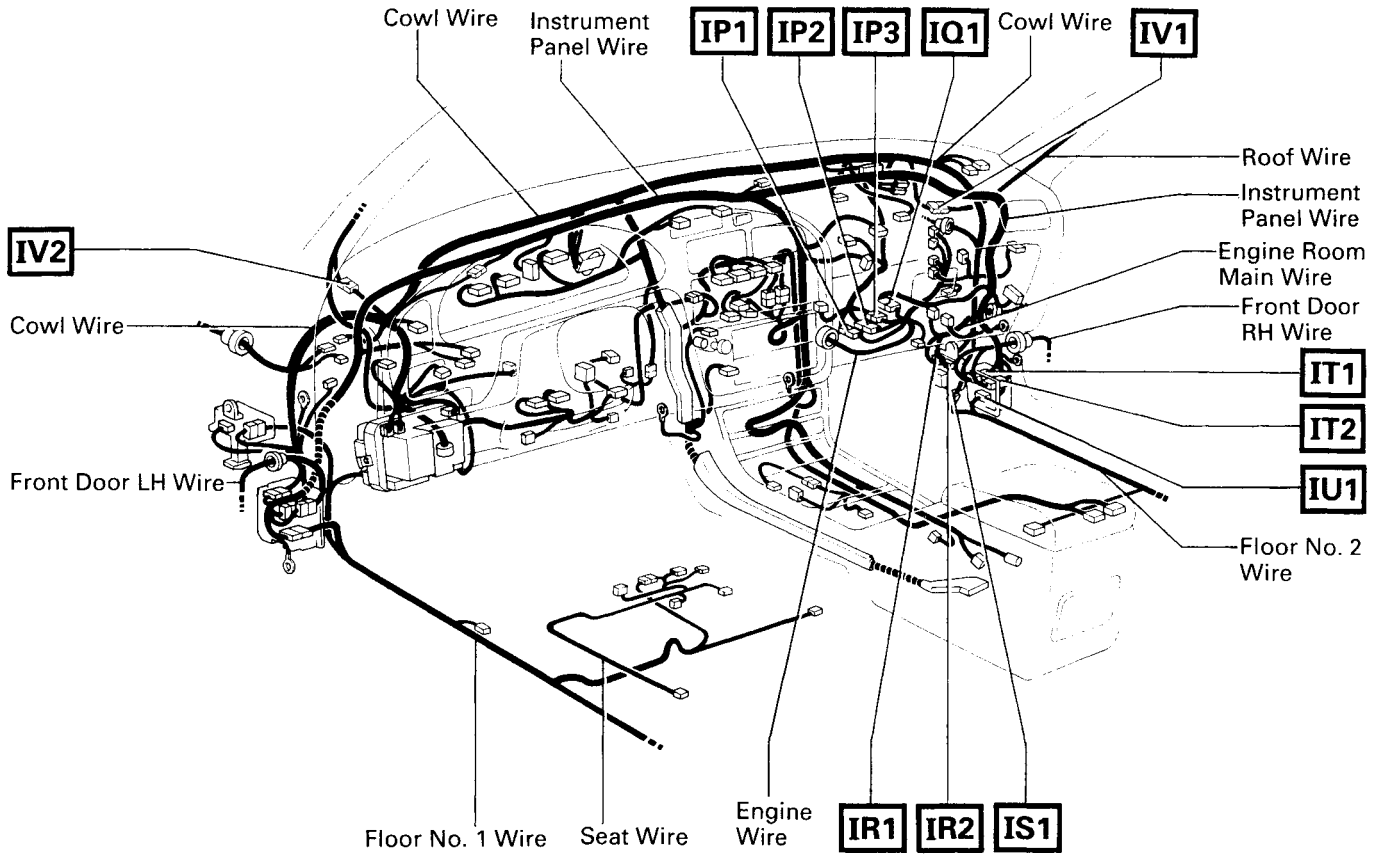
Position of Parts in Instrument Panel



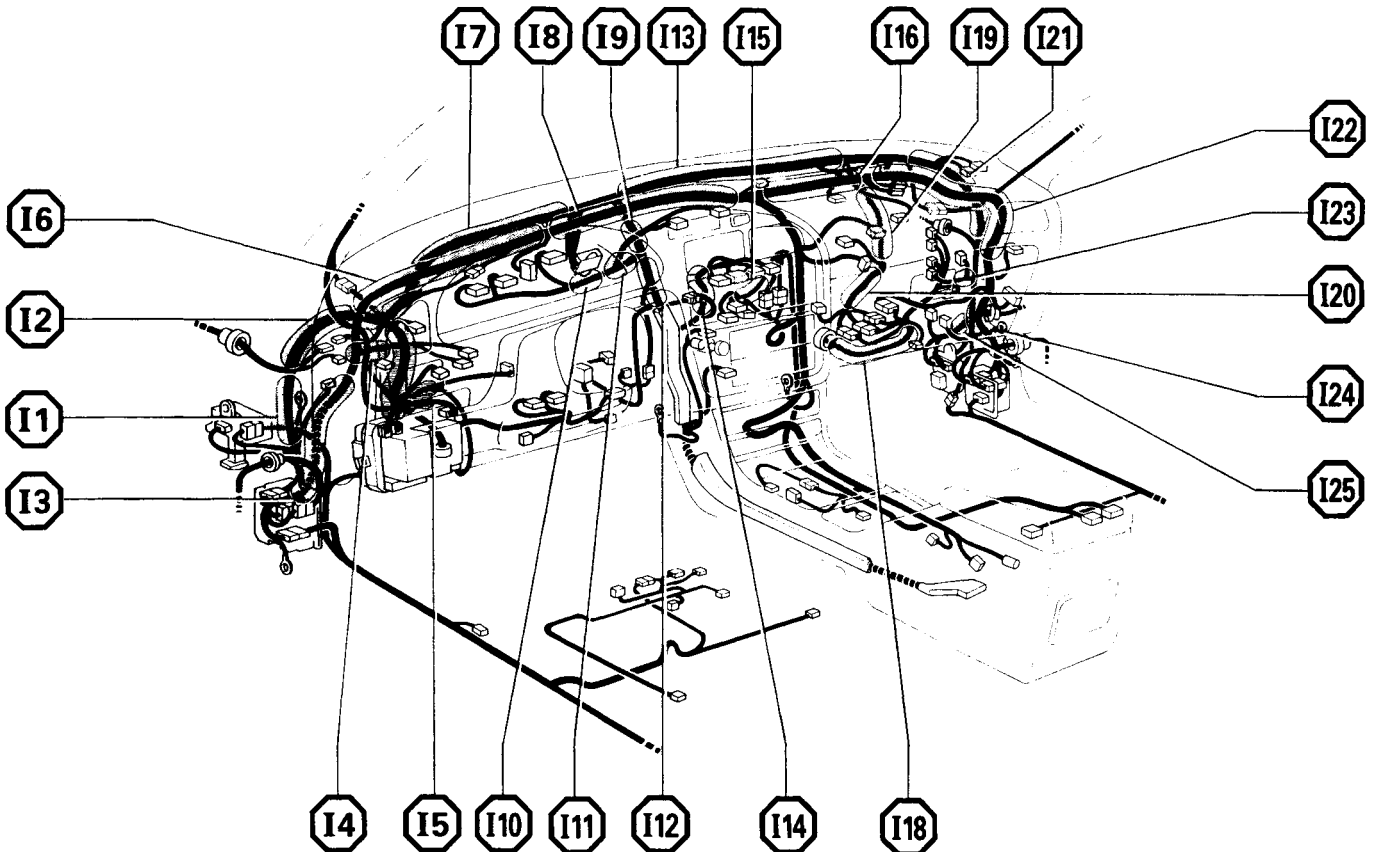
- | | | | |
|------|--|------|---|
| G 3 | Glove Box Light | O 5 | O/D Main SW and A/T Indicator Light (Shift Lever) |
| G 4 | Glove Box Light SW | P 2 | Parking Brake SW (for 1MZ-FE) |
| H 7 | Hazard SW | P 3 | Parking Brake SW (for 5S-FE) |
| H 8 | Heater Control SW (for Push Control SW Type) or Air Vent Mode Control SW (for Lever Control SW Type) | P 4 | Power Seat Control SW |
| H 9 | Heated Oxygen Sensor (Bank 1 Sensor 2) | P 5 | Power Seat Motor (for Front Vertical Control) |
| I 11 | Ignition Key Cylinder Light | P 6 | Power Seat Motor (for Rear Vertical Control) |
| I 12 | Ignition SW and Unlock Warning SW | P 7 | Power Seat Motor (for Reclining Control) |
| I 13 | Integration Relay | P 8 | Power Seat Motor (for Slide Control) |
| J 1 | Junction Connector | R 2 | Radio and Player (w/ CD Player) |
| J 2 | Junction Connector | R 3 | Radio and Player (w/o CD Player) |
| J 3 | Junction Connector | R 4 | Radio and Player (w/o CD Player) |
| J 4 | Junction Connector (for SRS System) | R 5 | Rear Window Defogger SW |
| J 7 | Junction Connector | R 6 | Remote Control Mirror SW |
| K 3 | Key Interlock Solenoid | R 7 | Rheostat |
| N 2 | Noise Filter (for Stop Light) | S 5 | Shift Lock ECU |
| N 3 | Noise Filter (for Stop Light) | S 8 | Stereo Component Amplifier |
| | | S 9 | Stereo Component Amplifier |
| | | S 10 | Stop Light SW |

ELECTRICAL WIRING ROUTING

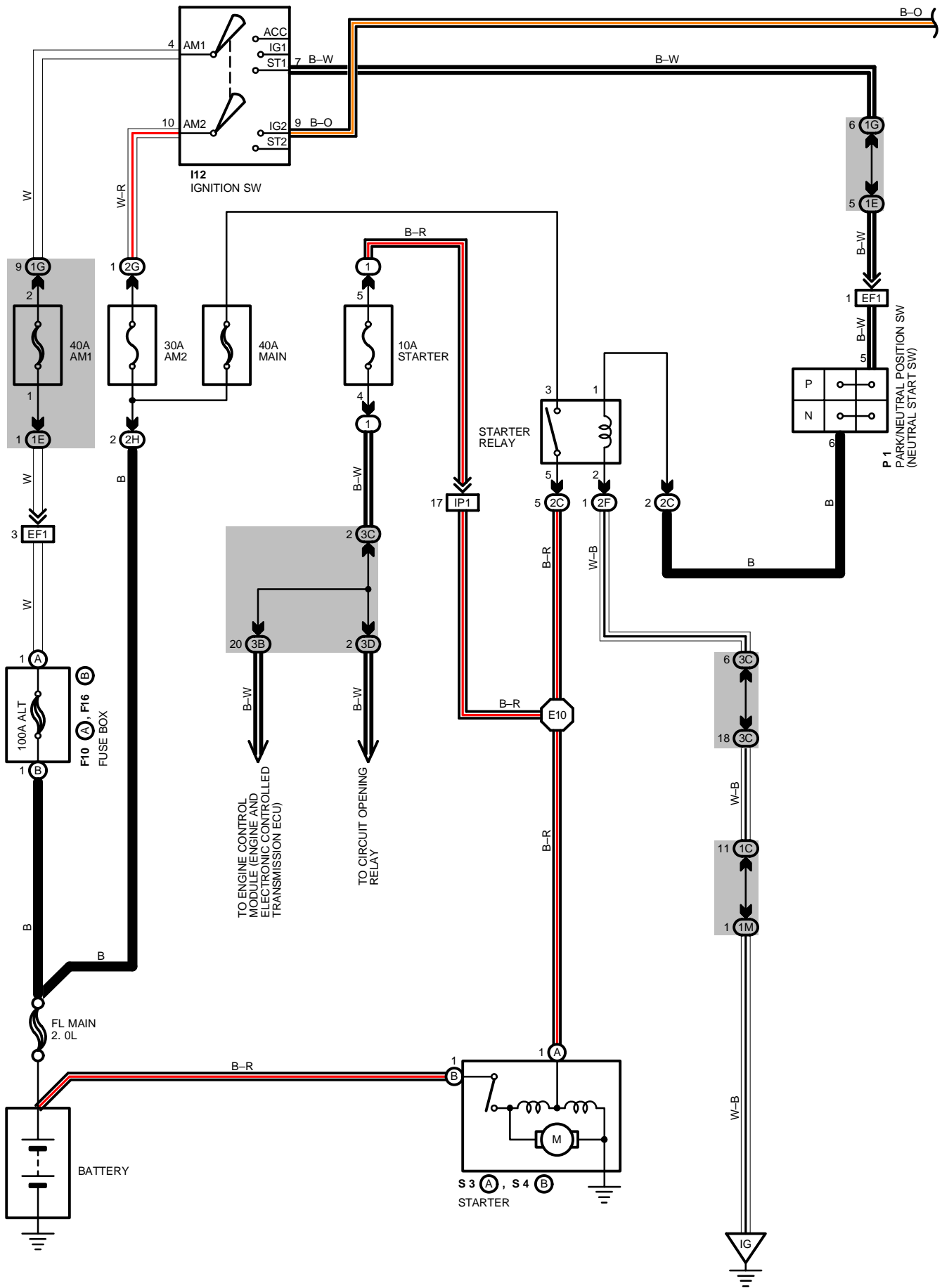
□ : Location of Connector Joining Wire Harness and Wire Harness



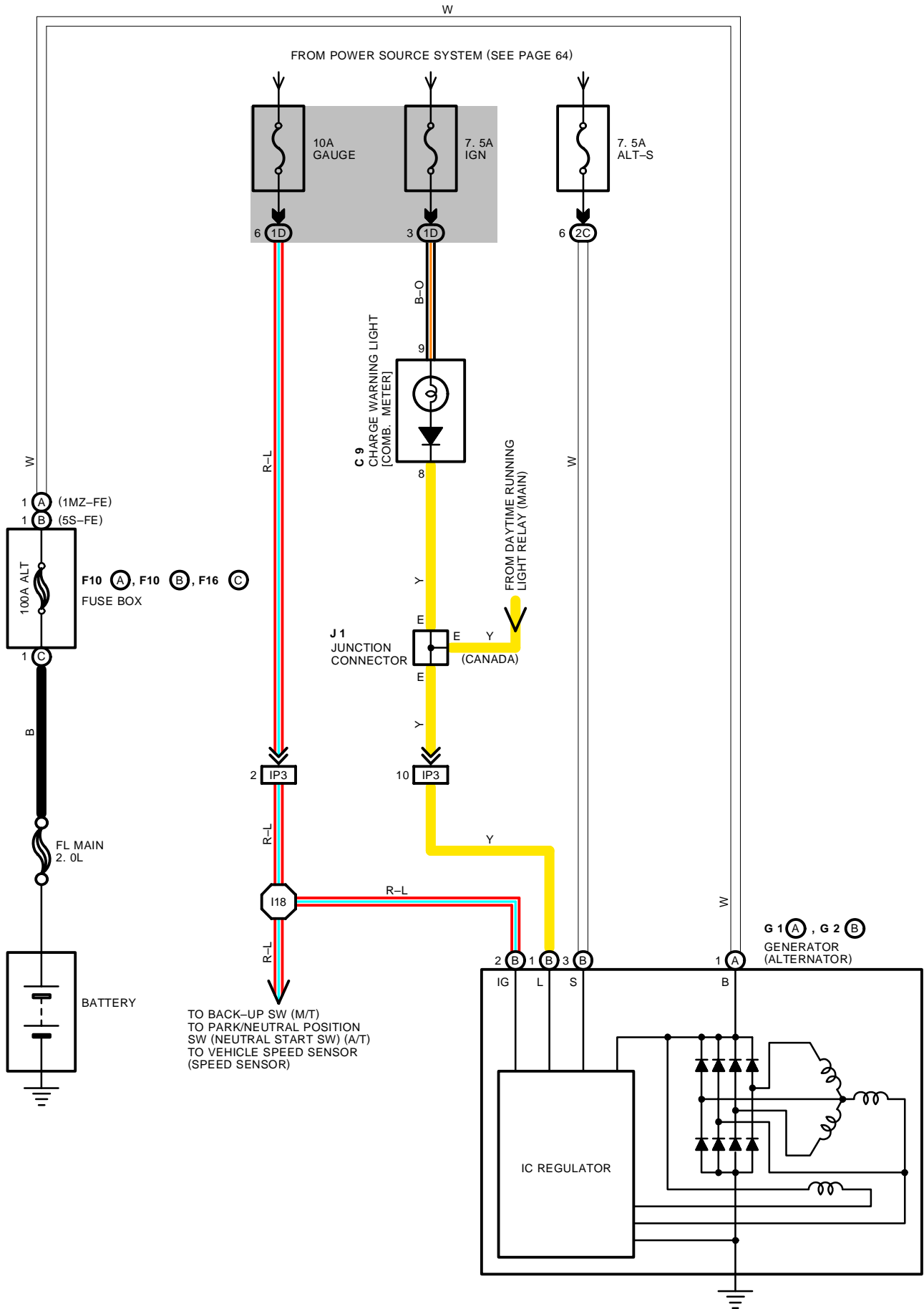
○ : Location of Splice Points



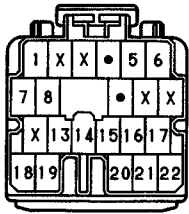
STARTING AND IGNITION (1MZ-FE)



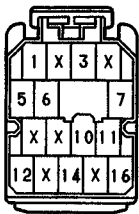
CHARGING



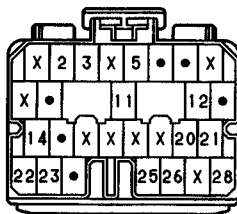
E 8 (B) DARK GRAY



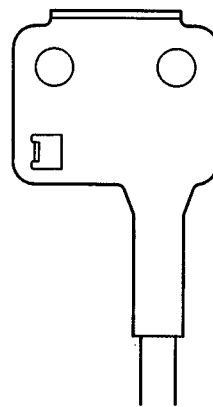
E 9 (C) DARK GRAY



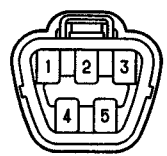
E10 (D) DARK GRAY



F10 (A)



F15 DARK GRAY



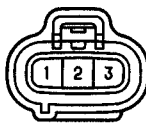
F16 (B)



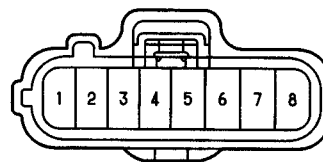
H 9, H11, H12



I 1 GRAY



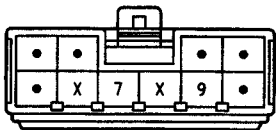
I 2 (A) BLACK



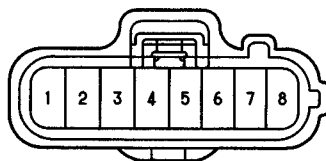
I 4, I 5, I 8, I 9 GRAY



I12



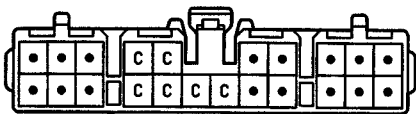
I15 (B) DARK GRAY



I16, I17, I18, I19, I20, I21 BLACK

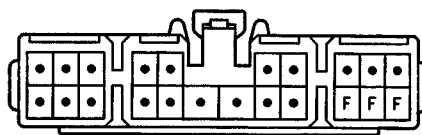


J 1 DARK GRAY



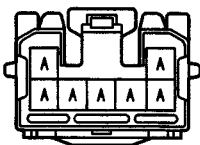
(HINT:SEE PAGE 7)

J 2



(HINT:SEE PAGE 7)

J 6



(HINT:SEE PAGE 7)

J 7 BLUE

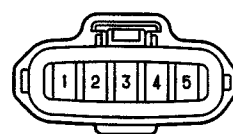


(HINT:SEE PAGE 7)

K, 1 K, 2 DARK GRAY



M 6 BLACK



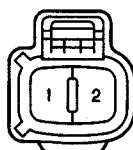
N 1 GRAY



T 1 BLACK



V 1 BLACK



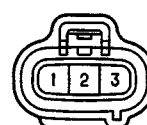
V 2, V 4 BROWN



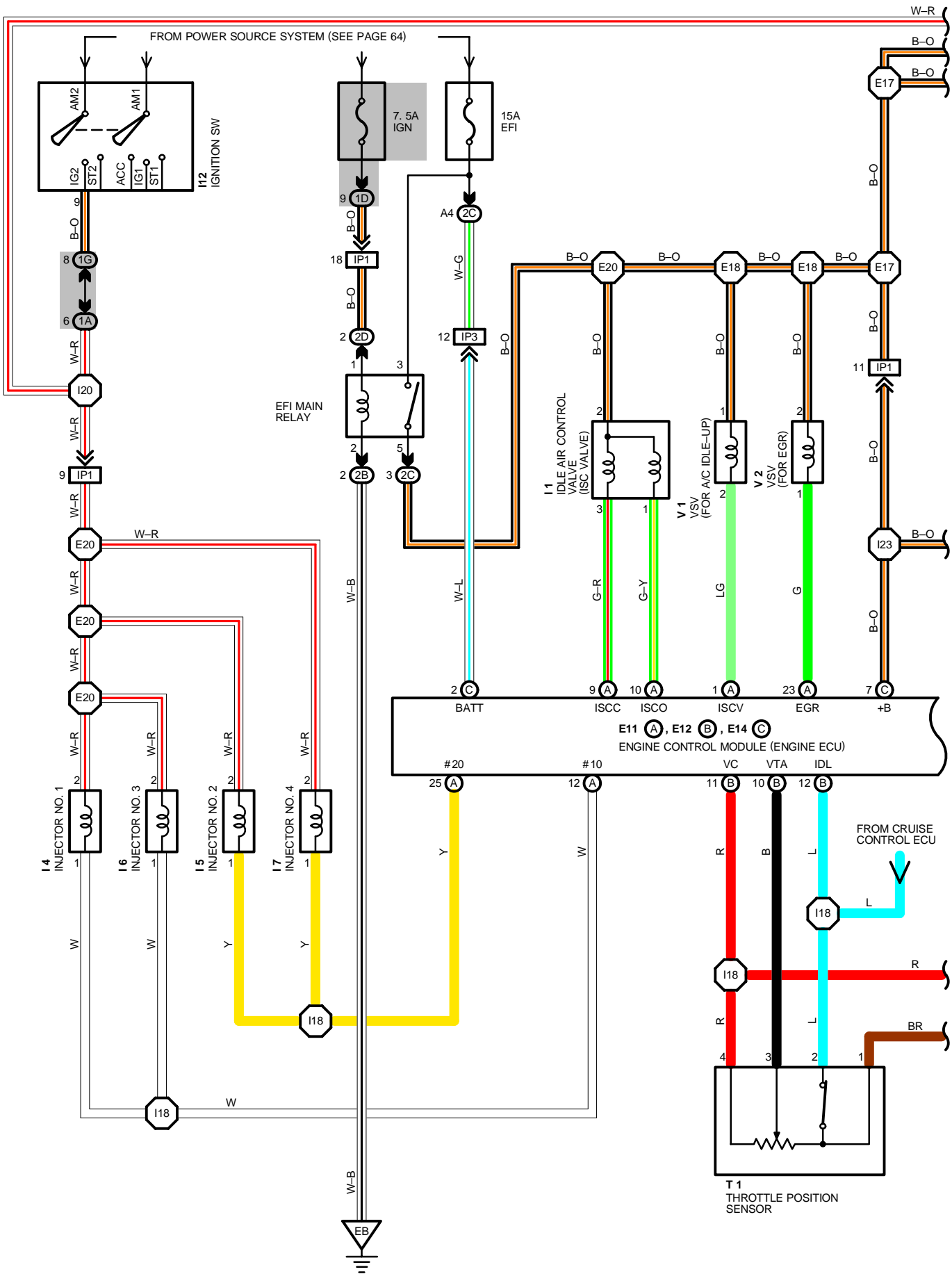
V 3 BLUE



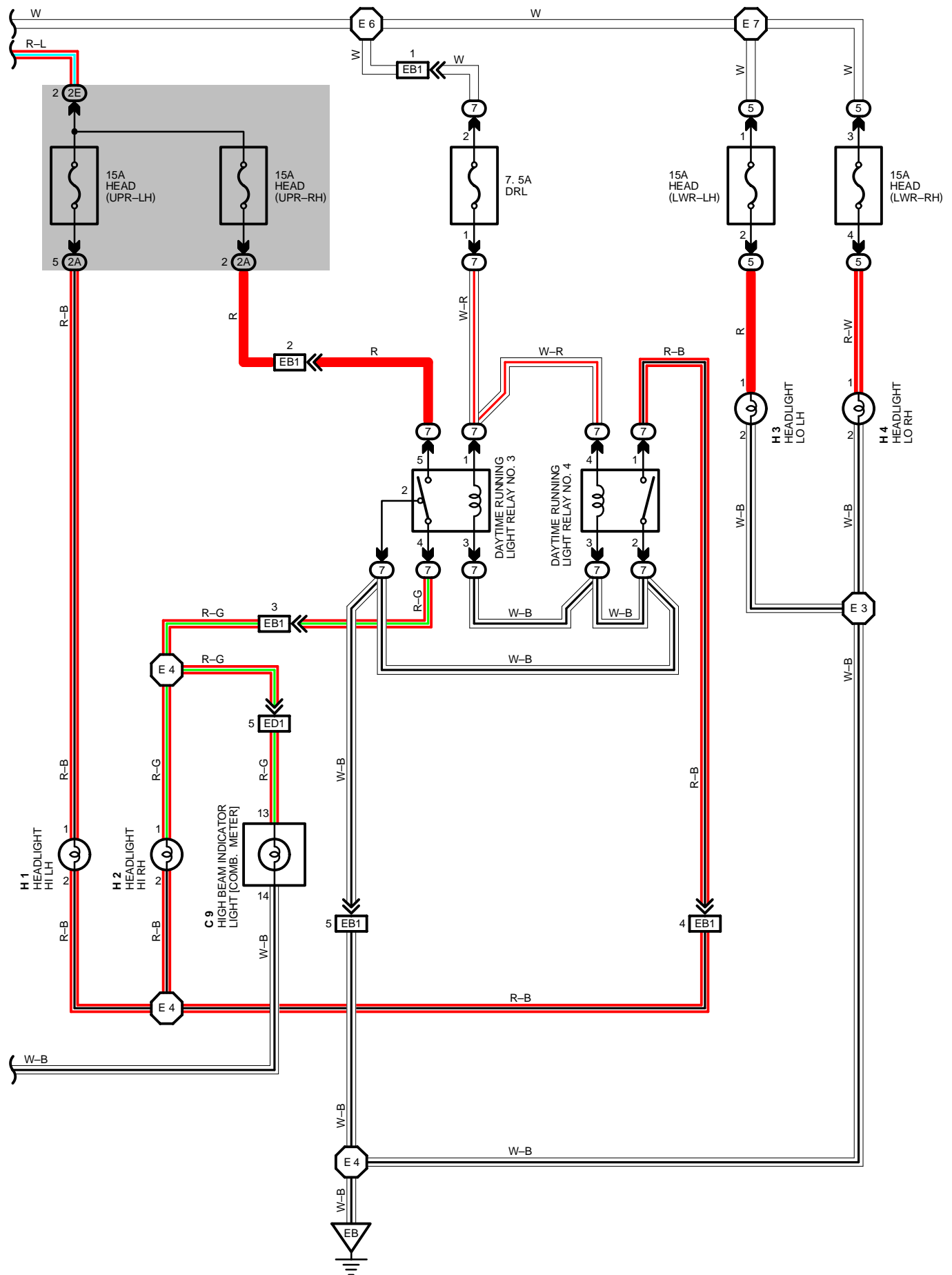
V 5 GRAY



ENGINE CONTROL (5S-FE M/T EX. CALIFORNIA)



HEADLIGHT (FOR CANADA)



SYSTEM OUTLINE

CURRENT IS APPLIED AT ALL TIMES THROUGH A **STOP FUSE** TO **TERMINAL 2** OF THE STOP LIGHT SW.

WHEN THE IGNITION SW IS TURNED ON, CURRENT FLOWS FROM THE **GAUGE FUSE** TO **TERMINAL 8** OF THE LIGHT FAILURE SENSOR, AND ALSO FLOWS THROUGH THE REAR LIGHT WARNING LIGHT TO **TERMINAL 4** OF THE LIGHT FAILURE SENSOR.

STOP LIGHT DISCONNECTION WARNING

WHEN THE IGNITION SW IS TURNED ON AND THE BRAKE PEDAL IS PRESSED (STOP LIGHT SW ON), IF THE STOP LIGHT CIRCUIT IS OPEN, THE CURRENT FLOWING FROM **TERMINALS 7** OF THE LIGHT FAILURE SENSOR TO **TERMINALS 1, 2** CHANGES, SO THE LIGHT FAILURE SENSOR DETECTS THE DISCONNECTION AND THE WARNING CIRCUIT OF THE LIGHT FAILURE SENSOR IS ACTIVATED.

AS A RESULT, THE CURRENT FLOWS FROM **TERMINAL 4** OF THE LIGHT FAILURE SENSOR → **TERMINAL 11** → **GROUND** AND TURNS THE REAR LIGHT WARNING LIGHT ON. BY PRESSING THE BRAKE PEDAL, THE CURRENT FLOWING TO **TERMINAL 8** OF THE LIGHT FAILURE SENSOR KEEPS THE WARNING CIRCUIT ON HOLD AND THE WARNING LIGHT ON UNTIL THE IGNITION SW IS TURNED OFF.

SERVICE HINTS

S10 STOP LIGHT SW

2-1 : CLOSED WITH BRAKE PEDAL DEPRESSED

L 2 LIGHT FAILURE SENSOR

1, 2, 7-GROUND : APPROX. 12 VOLTS WITH STOP LIGHT SW ON

4, 8-GROUND : APPROX. 12 VOLTS WITH IGNITION SW AT **ON** POSITION

11-GROUND : ALWAYS CONTINUITY

○ : PARTS LOCATION

CODE	SEE PAGE	CODE	SEE PAGE	CODE	SEE PAGE
C 9	32	L 2	36 (W/G)	R 9	36 (W/G)
H10	36 (W/G)	N 2	A 33	R10	36 (W/G)
J 1	33	N 3	B 33	R11	36 (W/G)
J 5	36 (W/G)	R 8	36 (W/G)	S10	33

○ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

CODE	SEE PAGE	JUNCTION BLOCK AND WIRE HARNESS (CONNECTOR LOCATION)
1B	20	COWL WIRE AND J/B NO. 1 (INSTRUMENT PANEL LEFT)
1H	20	FLOOR NO. 1 WIRE J/B NO. 1 (INSTRUMENT PANEL LEFT)
1M	20	COWL WIRE AND J/B NO. 1 (INSTRUMENT PANEL LEFT)

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

CODE	SEE PAGE	JOINING WIRE HARNESS AND WIRE HARNESS (CONNECTOR LOCATION)
IJ1	42	FLOOR NO. 1 WIRE AND COWL WIRE
Bb1	50 (W/G)	LUGGAGE ROOM NO. 1 WIRE AND FLOOR NO. 1 WIRE
Bc2	50 (W/G)	BACK DOOR NO. 1 WIRE AND FLOOR NO. 1 WIRE
Bd2	50 (W/G)	BACK DOOR NO. 1 WIRE AND BACK DOOR NO. 2 WIRE

▽ : GROUND POINTS

CODE	SEE PAGE	GROUND POINTS LOCATION
BL	46 (S/D)	UNDER THE LEFT QUARTER PILLAR
	48 (C/P)	
	50 (W/G)	
BQ	50 (W/G)	LOWER BACK PANEL CENTER
BR	50 (W/G)	BACK DOOR CENTER

○ : SPLICE POINTS

CODE	SEE PAGE	WIRE HARNESS WITH SPLICE POINTS	CODE	SEE PAGE	WIRE HARNESS WITH SPLICE POINTS
B36	50 (W/G)	FLOOR NO. 1 WIRE	B38	50 (W/G)	BACK DOOR NO. 2 WIRE

CRUISE CONTROL

○ : PARTS LOCATION

CODE	SEE PAGE	CODE	SEE PAGE	CODE	SEE PAGE
C 2	28 (1MZ-FE), 30 (5S-FE)	D 5	32	N 3	B 33
C 8	B 32	E 7	A 32	P 1	29 (1MZ-FE), 31 (5S-FE)
C 9	A 32	E 8	C 32	P 2	33
C13	32	E10	B 32	P 3	33
C15	32	E14	C 32	S10	33
C16	32	I12	33	V 5	29 (1MZ-FE), 31 (5S-FE)
D 1	28 (1MZ-FE), 30 (5S-FE)	J 1	33		
D 3	32	N 2	A 33		

○ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

CODE	SEE PAGE	JUNCTION BLOCK AND WIRE HARNESS (CONNECTOR LOCATION)
1A	20	COWL WIRE AND J/B NO. 1 (INSTRUMENT PANEL LEFT)
1B		
1C		
1D		
1E		
1G		
1M		
2B	22	ENGINE ROOM MAIN WIRE AND J/B NO. 2 (ENGINE COMPARTMENT LEFT)
2E	24	COWL WIRE AND J/B NO. 3 (BEHIND COMBINATION METER)
3B		
3C		
3D		

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

CODE	SEE PAGE	JOINING WIRE HARNESS AND WIRE HARNESS (CONNECTOR LOCATION)
EF1	38 (1MZ-FE) 40 (5S-FE)	ENGINE WIRE AND COWL WIRE
II1	42	COWL WIRE AND INSTRUMENT PANEL WIRE
IP1	44	ENGINE WIRE AND COWL WIRE
IP3	44	ENGINE WIRE AND COWL WIRE
IR1	44	ENGINE ROOM MAIN WIRE AND COWL WIRE

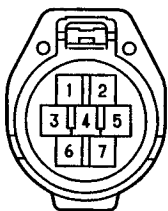
▽ : GROUND POINTS

CODE	SEE PAGE	GROUND POINTS LOCATION
EB	38 (1MZ-FE) 40 (5S-FE)	FRONT LEFT FENDER
IG	42	INSTRUMENT PANEL BRACE LH

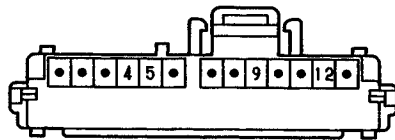
○ : SPLICE POINTS

CODE	SEE PAGE	WIRE HARNESS WITH SPLICE POINTS	CODE	SEE PAGE	WIRE HARNESS WITH SPLICE POINTS
I13	44	COWL WIRE	I23	44	COWL WIRE
I18	44	ENGINE WIRE			

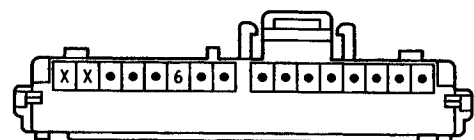
C 2 GRAY



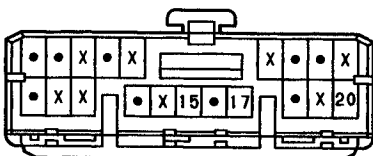
C 8 (B) BLUE



C 9 (A)



C13 BLACK



C15



C16 GRAY

