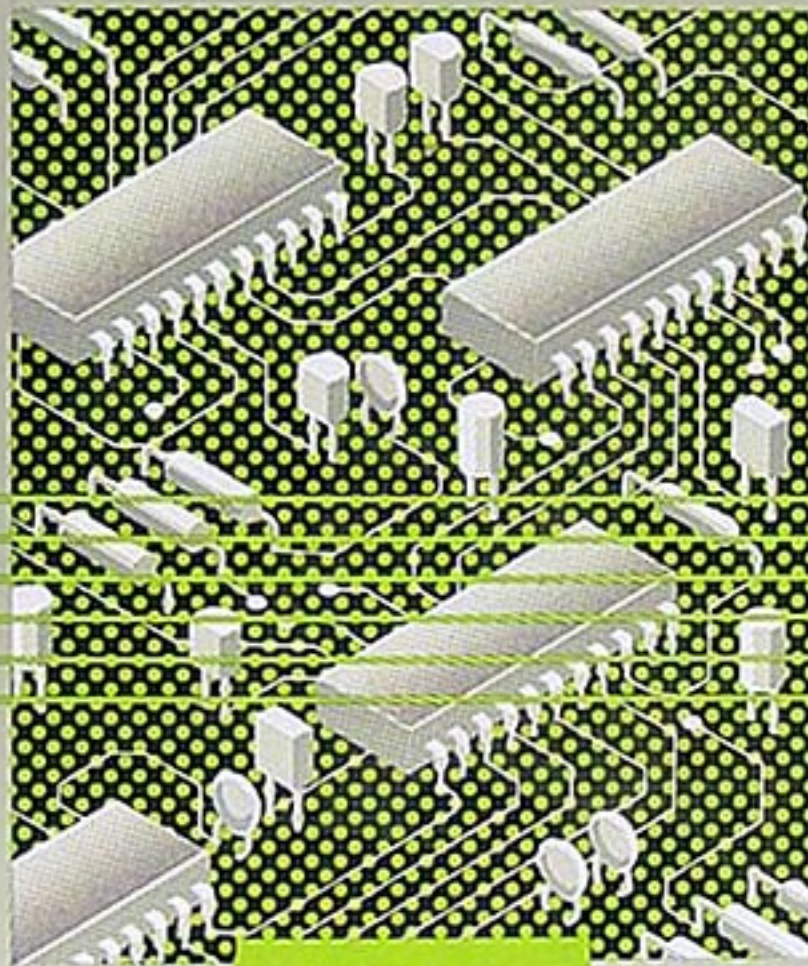


 **TOYOTA**
LAND CRUISER Station Wagon

ELECTRICAL WIRING DIAGRAM

1996 MODEL



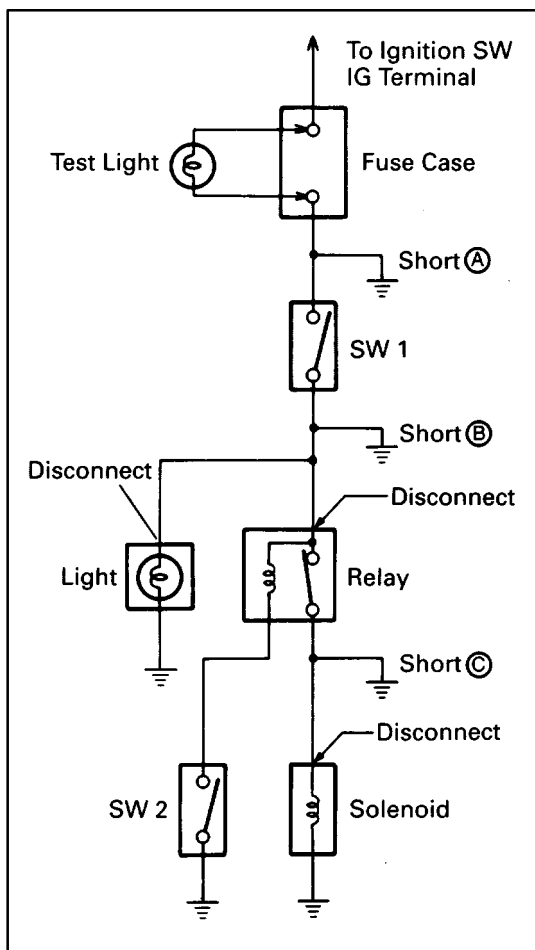
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FINDING A SHORT CIRCUIT

- (a) Remove the blown fuse and disconnect all loads of the fuse.
- (b) Connect a test light in place of the fuse.
- (c) Establish conditions in which the test light comes on.

Example:

- Ⓐ - Ignition SW on
 - Ⓑ - Ignition SW and SW 1 on
 - Ⓒ - Ignition SW, SW 1 and Relay on (Connect the Relay) and SW 2 off (or Disconnect SW 2)
- (d) Disconnect and reconnect the connectors while watching the test light. The short lies between the connector where the test light stays lit and the connector where the light goes out.
 - (e) Find the exact location of the short by lightly shaking the problem wire along the body.

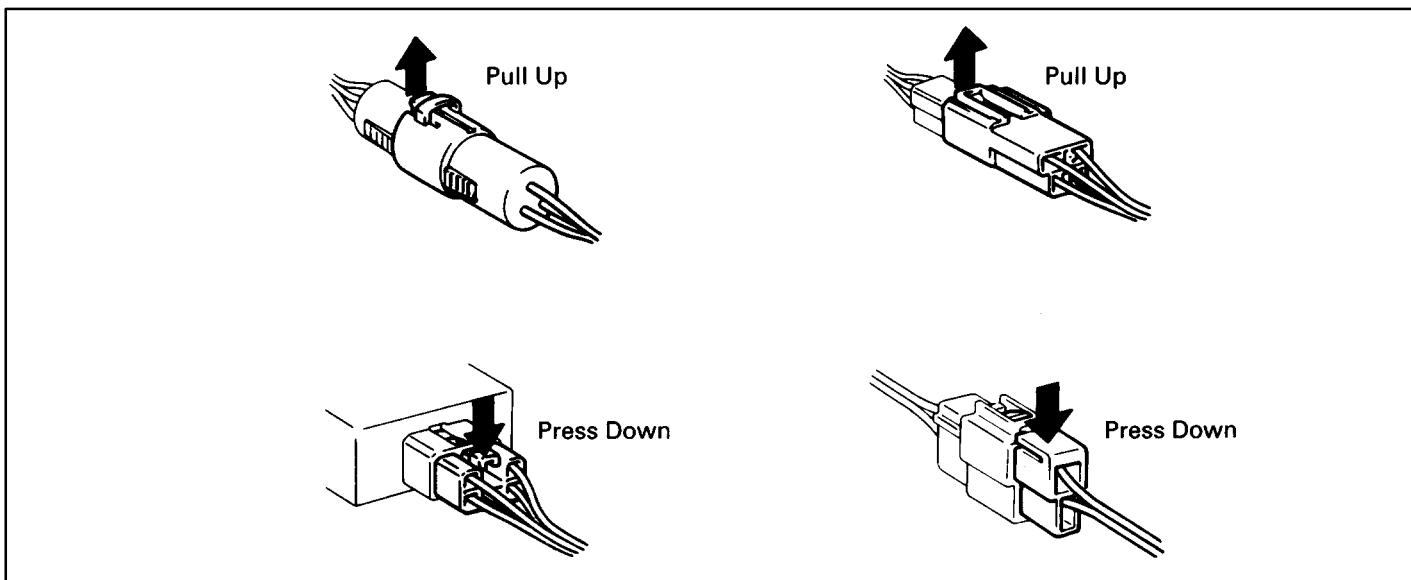
CAUTION:

- (a) Do not open the cover or the case of the ECU unless absolutely necessary. (If the IC terminals are touched, the IC may be destroyed by static electricity.)
- (b) When replacing the internal mechanism (ECU part) of the digital meter, be careful that no part of your body or clothing comes in contact with the terminals of leads from the IC, etc. of the replacement part (spare part).

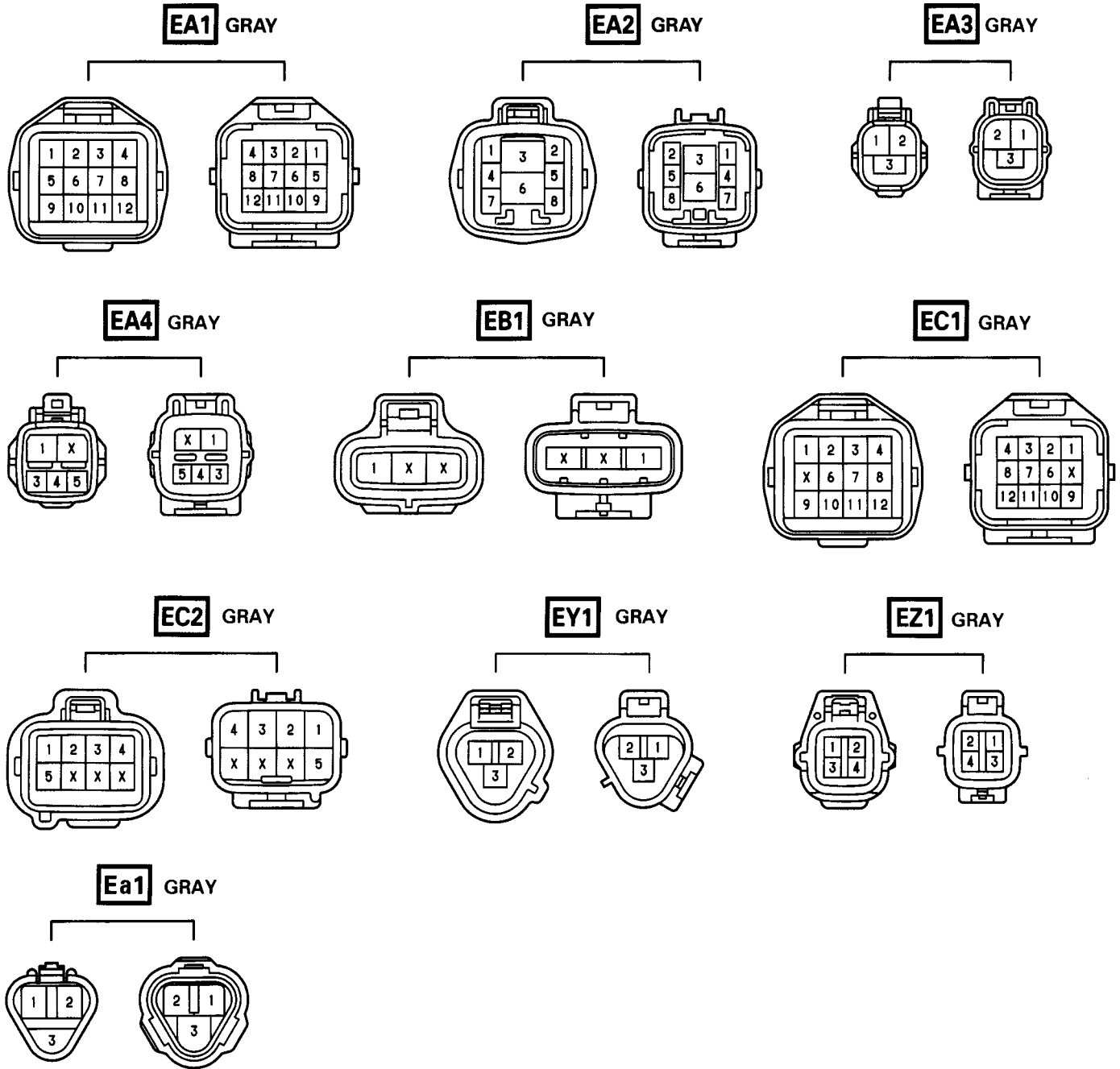
DISCONNECTION OF MALE AND FEMALE CONNECTORS

To pull apart the connectors, pull on the connector itself, not the wire harness.

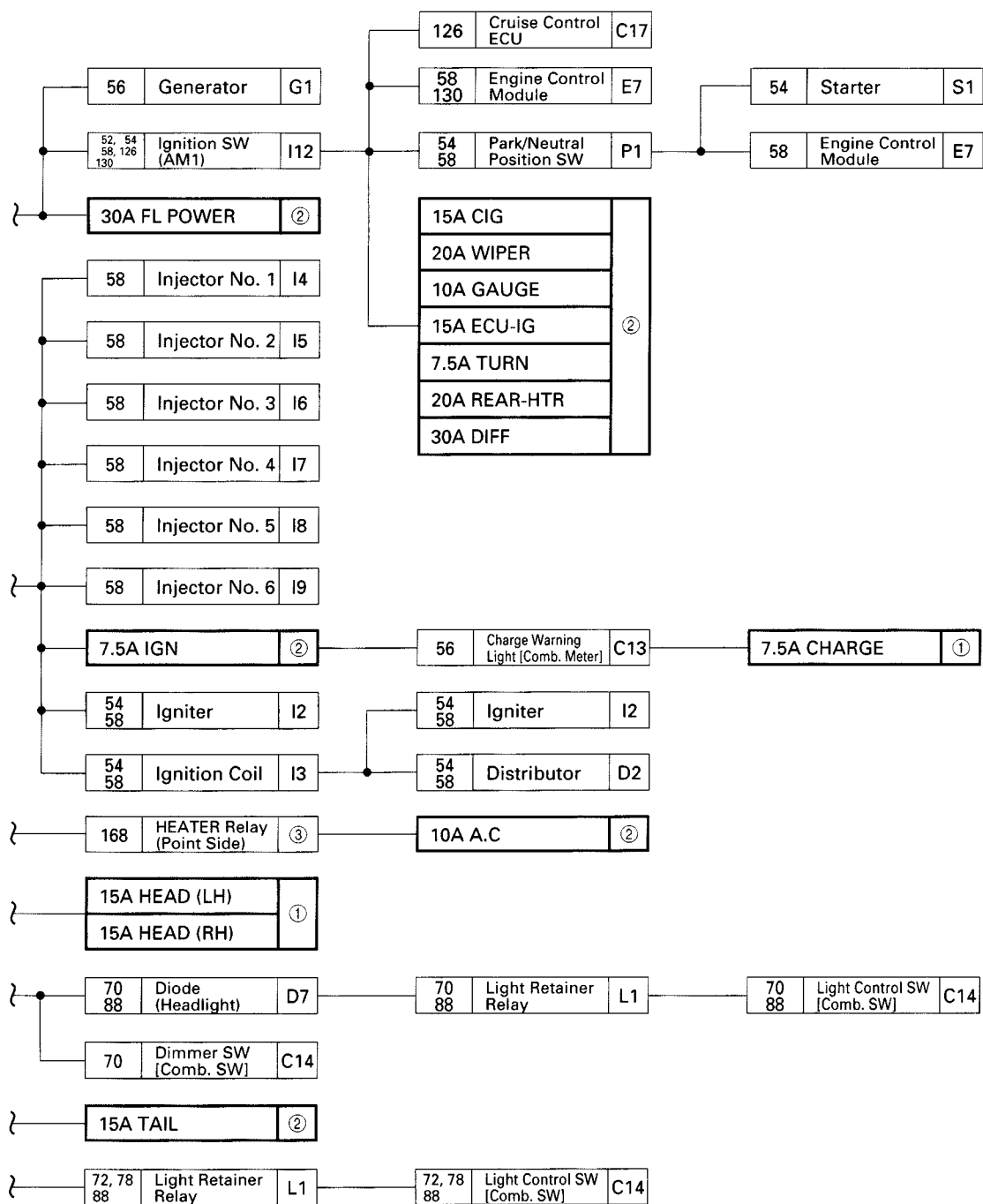
HINT: Check to see what kind of connector you are disconnecting before pulling apart.



Connector Joining Wire Harness and Wire Harness



CODE	JOINING WIRE HARNESS AND WIRE HARNESS (CONNECTOR LOCATION)
EA1	COWL WIRE AND ENGINE ROOM MAIN WIRE (LEFT FENDER)
EA2	
EA3	
EA4	COWL WIRE AND ENGINE ROOM MAIN WIRE (RIGHT FENDER)
EB1	ENGINE ROOM MAIN WIRE AND ENGINE WIRE (NEAR THE DISTRIBUTOR)
EC1	ENGINE WIRE AND TRANSMISSION WIRE (NEAR THE STARTER)
EC2	
EY1	OIL PRESSURE SWITCH WIRE AND ENGINE ROOM MAIN WIRE (NEAR THE AIR CLEANER)
EZ1	ENGINE WIRE AND VSV SUB WIRE (NEAR THE THROTTLE POSITION SENSOR)
Ea1	TRANSMISSION WIRE AND SPEED SENSOR WIRE (NEAR THE TRANSMISSION)



③ : R/B No. 1 (See page 20)

④ : Fusible Link (F6, F7, F8 See page 22)

I CIRCUITS INDEX

PG Circuit

- 52 Power Source
- 54 Starting and Ignition
- 56 Charging
- 58 Engine Control
- 70 Headlight
- 72 Taillight
- 74 Stop Light
- 76 Back-up Light
- 78 Illumination
- 82 Interior Light
- 86 Turn Signal and Hazard Warning Light
- 88 Light Auto Turn Off
- 91 Front Wiper and Washer
- 94 Rear Wiper and Washer
- 97 Horn
- 98 Moon Roof
- 102 Cigarette Lighter and Clock
- 104 Remote Control Mirror
- 106 Shift Lock
- 108 Power Window
- 112 Door Lock Control
- 117 Auto Antenna
- 118 Power Seat
- 121 ABS
- 126 Cruise Control
- 130 Electronically Controlled Transmission and A/T Indicator
- 138 Rear Window Defogger
- 140 Unlock and Seatbelt Warning
- 143 SRS
- 150 Center Differential Lock
- 152 Front/Rear Differential Lock
- 156 Radio and Player
- 160 Rear Heater
- 162 Combination Meter
- 168 Air Conditioning

SERVICE HINTS

HEAD RELAY

(2) 1 - (2) 2 : CLOSED WITH THE LIGHT CONTROL SW AT **HEAD** POSITION OR THE DIMMER SW AT **FLASH** POSITION
(WHEN THE LIGHT AUTO TURN OFF SYSTEM DOES NOT OPERATE)

C14 LIGHT CONTROL SW [COMB. SW]

13-11 : CLOSED WITH THE LIGHT CONTROL SW AT **HEAD** POSITION

C14 DIMMER SW [COMB. SW]

14-9 : CLOSED WITH THE DIMMER SW AT **FLASH** POSITION

12-9 : CLOSED WITH THE DIMMER SW AT **HIGH** OR **FLASH** POSITION

 : **PARTS LOCATION**

CODE	SEE PAGE	CODE	SEE PAGE	CODE	SEE PAGE
C13	24	H 1	22	J 7	25
C14	24	H 2	22	L 1	25
D 7	24	H 3	22		
F 8	22	H 4	22		

 : **RELAY BLOCKS**

CODE	SEE PAGE	RELAY BLOCKS (RELAY BLOCK LOCATION)
2	18	R/B NO. 2 (FRONT SIDE OF LEFT FENDER)

 : **CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS**

CODE	SEE PAGE	JOINING WIRE HARNESS AND WIRE HARNESS (CONNECTOR LOCATION)
EA1 EA2	30	COWL WIRE AND ENGINE ROOM MAIN WIRE (LEFT FENDER)

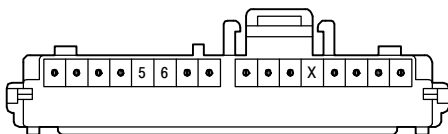
 : **GROUND POINTS**

CODE	SEE PAGE	GROUND POINTS LOCATION
EA	30	FRONT SIDE OF RIGHT FENDER
EB	30	FRONT SIDE OF LEFT FENDER
ID	32	LEFT KICK PANEL

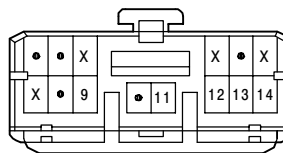
 : **SPLICE POINTS**

CODE	SEE PAGE	WIRE HARNESS WITH SPLICE POINTS	CODE	SEE PAGE	WIRE HARNESS WITH SPLICE POINTS
E 2	30	ENGINE ROOM MAIN WIRE	E 5	30	ENGINE ROOM MAIN WIRE
E 3			I 1	32	COWL WIRE
E 4			I 6		

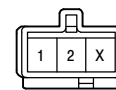
C13



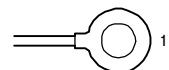
C14 BLACK



D 7 ORANGE



F 8



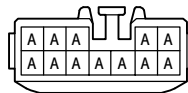
H 1, H 2 BLACK



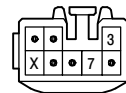
H 3, H 4 BROWN



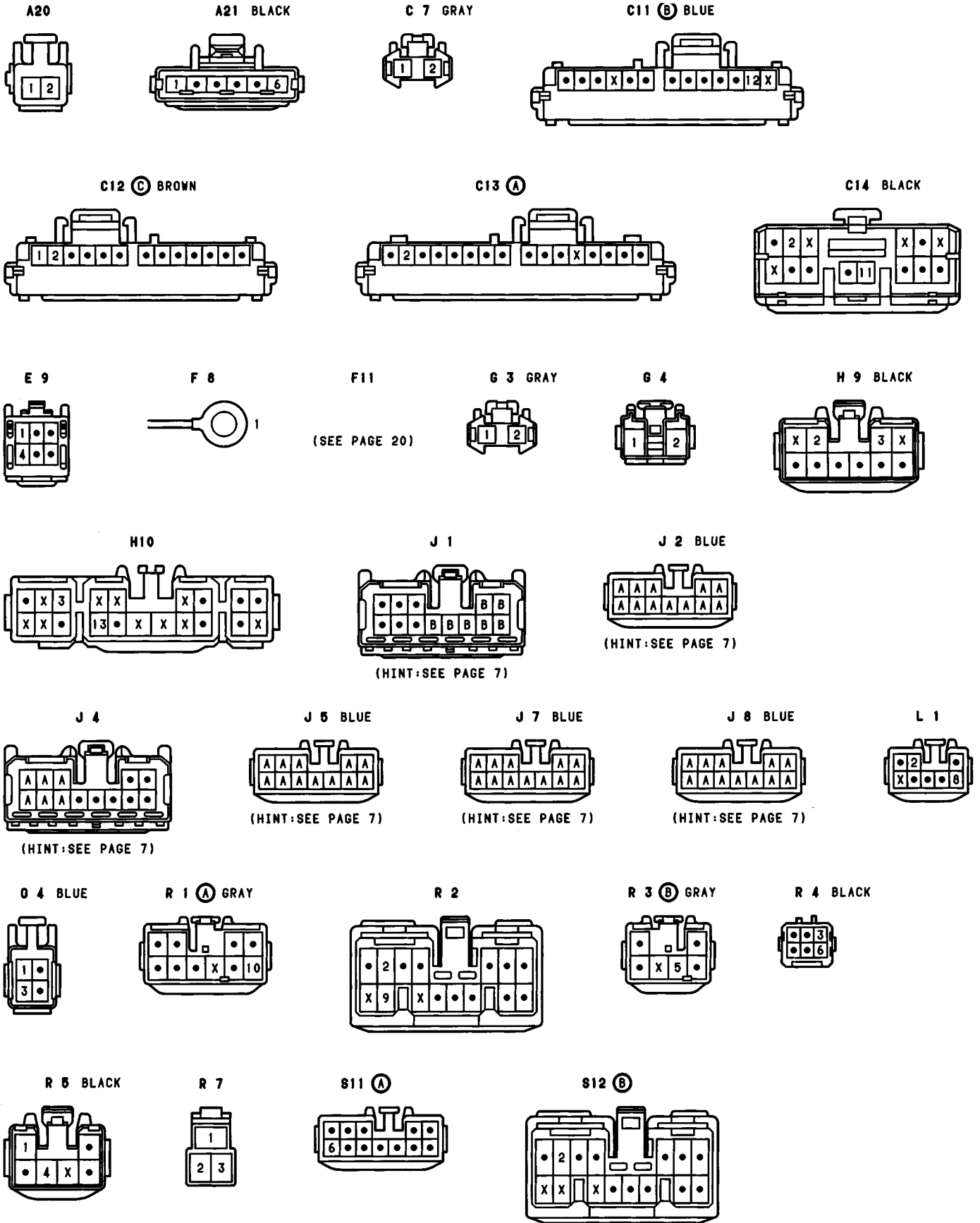
J 7 BLUE



L 1



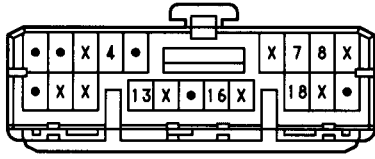
(HINT : SEE PAGE 7)



FRONT WIPER AND WASHER



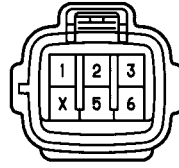
C18 BLACK



D 6 GRAY



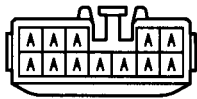
F 3 GRAY



F11

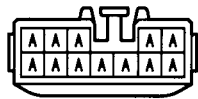
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J 7 BLUE



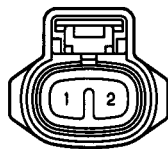
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J 8 BLUE



(HINT:SEE PAGE 7)

W 2 BLACK



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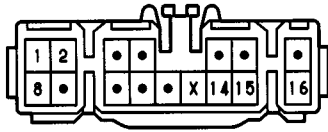
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D16, D17 BLUE



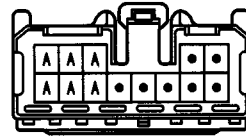
D22 GRAY



F11

(SEE PAGE 20)

J 1



(HINT:SEE PAGE 7)

J 2 BLUE



(HINT:SEE PAGE 7)

M 2



M 3



M 4



SERVICE HINTS

P 6 POWER WINDOW MASTER SW

- 7, 8-GROUND : APPROX. 12 VOLTS WITH THE IGNITION SW AT **ON** POSITION OR KEY OFF OPERATED
- 1, 2-GROUND : ALWAYS CONTINUITY
- 6-GROUND : APPROX. 12 VOLTS WITH THE IGNITION SW **ON** AND MASTER SW (DRIVER'S WINDOW) AT **UP** POSITION
- 13-GROUND : APPROX. 12 VOLTS WITH THE IGNITION SW **ON** AND MASTER SW (DRIVER'S WINDOW) AT **DOWN** OR **AUTO DOWN** POSITION

WINDOW LOCK SW

OPEN WITH THE WINDOW LOCK SW AT **LOCK** POSITION

○ : PARTS LOCATION

CODE	SEE PAGE	CODE	SEE PAGE	CODE	SEE PAGE
D16	26	J 2	25	P10	27
D17	26	P 6	27	P11	27
D22	26	P 7	27	P12	27
F11	25	P 8	27	P13	27
J 1	25	P 9	27		

○ : RELAY BLOCKS

CODE	SEE PAGE	RELAY BLOCKS (RELAY BLOCK LOCATION)
1	20	R/B NO. 1 (LEFT KICK PANEL)

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

CODE	SEE PAGE	JOINING WIRE HARNESS AND WIRE HARNESS (CONNECTOR LOCATION)
ID1	32	COWL WIRE AND FLOOR NO. 1 WIRE (LEFT KICK PANEL)
ID2		
II1	32	COWL WIRE AND FLOOR NO. 2 WIRE (RIGHT KICK PANEL)
II2		
BJ1	34	FRONT DOOR LH WIRE AND COWL WIRE (LEFT KICK PANEL)
BJ2		
BK1	34	FRONT DOOR RH WIRE AND COWL WIRE (RIGHT KICK PANEL)
BN1	34	REAR DOOR LH WIRE AND FLOOR NO. 1 WIRE (LEFT CENTER PILLAR)
BP1	34	REAR DOOR RH WIRE AND FLOOR NO. 2 WIRE (RIGHT CENTER PILLAR)

▽ : GROUND POINTS

CODE	SEE PAGE	GROUND POINTS LOCATION
ID	32	LEFT KICK PANEL
IE	32	RIGHT KICK PANEL

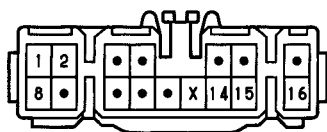
○ : SPLICE POINTS

CODE	SEE PAGE	WIRE HARNESS WITH SPLICE POINTS	CODE	SEE PAGE	WIRE HARNESS WITH SPLICE POINTS
I 2	32	COWL WIRE	B 2	36	FRONT DOOR LH WIRE
I 3			B 4		
I12					

D16, D17 BLUE



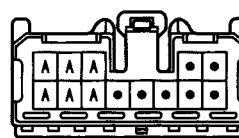
D22 GRAY



F11

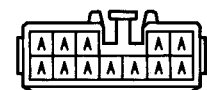
(SEE PAGE 20)

J 1



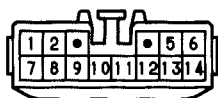
(HINT:SEE PAGE 7)

J 2 BLUE



(HINT:SEE PAGE 7)

P 6



P 7, P 8



P 9, P10



P11, P12, P13





A 4 (A) BLACK



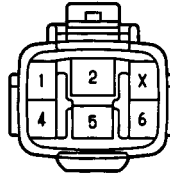
A 5 (B) GRAY



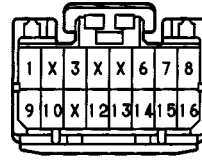
A 6 (A) GRAY



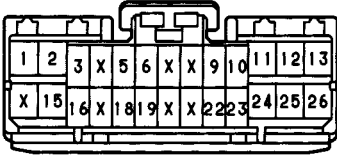
A 7 (B) GRAY



A12 (A) DARK GRAY



A13 (B) DARK GRAY



A22 GRAY



A23, A24



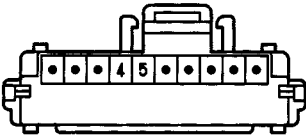
A25, A26



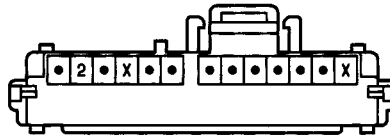
B 1 GRAY



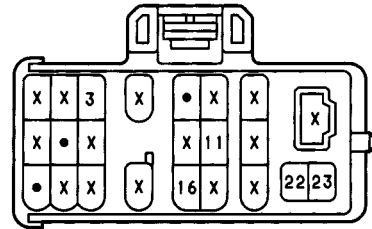
C10 (A) GRAY



C11 (B) BLUE



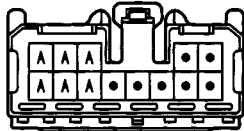
D 1 BLACK



F11

(SEE PAGE 20)

J 1



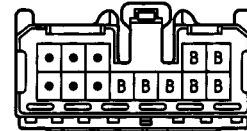
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J 2 BLUE



(HINT:SEE PAGE 7)

J 6

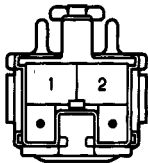


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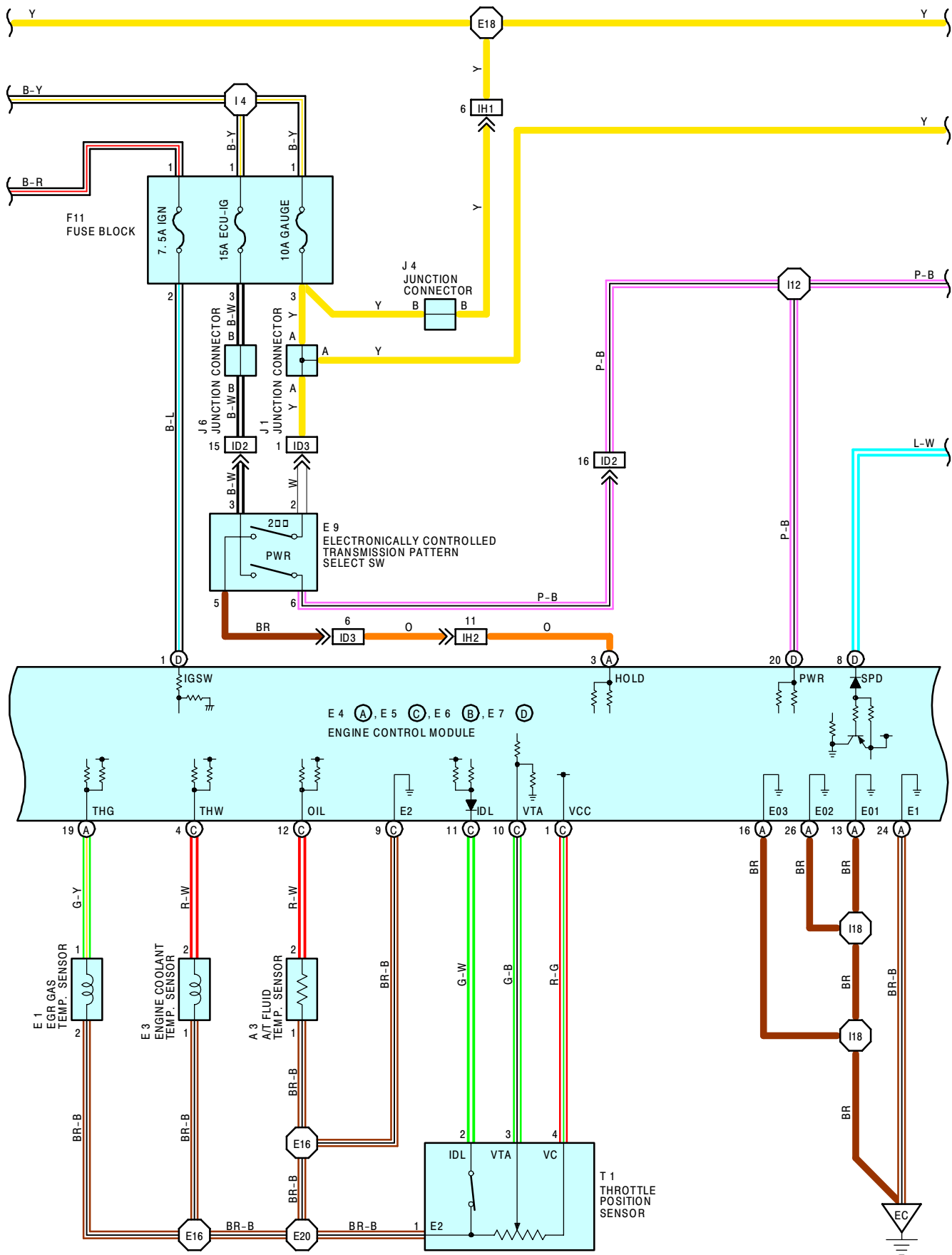
P 4



S13 BLACK



AND A/T INDICATOR



SYSTEM OUTLINE

WHEN THE IGNITION SW IS TURNED TO ON, THE CURRENT FLOWS FROM THE **GAUGE** FUSE, THROUGH **TERMINAL 5** OF THE SEAT BELT WARNING RELAY AND **TERMINAL 5** OF THE SEAT BELT WARNING LIGHT, TO **TERMINAL 1** OF THE BUCKLE SW LH. IF SEAT BELT IS NOT FASTENED AT THIS TIME (THE BUCKLE SW IS ON), THE CURRENT FLOWS FROM **TERMINAL 1** OF THE BUCKLE SW LH TO **TERMINAL 2** TO **GROUND**, LIGHTING UP THE SEAT BELT WARNING LIGHT. SIMULTANEOUSLY, A SIGNAL FROM THE BUCKLE SW LH IS INPUT TO **TERMINAL 4** OF THE SEAT BELT WARNING RELAY, AND THE CURRENT TO **TERMINAL 5** OF THE RELAY FLOWS THROUGH **TERMINAL 1** OF THE SEAT BELT WARNING RELAY TO **GROUND**, ACTIVATING THE SEAT BELT WARNING RELAY AND SOUNDING SEAT BELT WARNING BUZZER FOR 4 TO 8 SECONDS. IF THE SEAT BELT IS FASTENED (THE BUCKLE SW LH IS OFF) WHILE THE BUZZER SOUNDS, THE RELAY GROUND IS CUT, THE BUZZER STOP AND THE SEAT BELT WARNING LIGHT GOES OFF.

UNLOCK WARNING SYSTEM

WHEN THE IGNITION SW IS TURNED TO OFF AND THE DRIVER'S DOOR IS OPENED (THE DOOR COURTESY SW IS ON) WHILE THE KEY IS STILL INSERTED IN THE KEY CYLINDER (THE UNLOCK WARNING SW IS ON), A SIGNAL IS INPUT TO **TERMINAL 8** OF THE SEAT BELT WARNING RELAY, ACTIVATING THE SEAT BELT WARNING RELAY. THIS CAUSES CURRENT FROM THE **DOM**E FUSE TO FLOW TO **TERMINAL 9** OF THE SEAT BELT WARNING RELAY → **TERMINAL 1** → **GROUND**, SOUNDING UNLOCK WARNING BUZZER.

SERVICE HINTS**B 8 BUCKLE SW LH**

1-2 : OPEN WITH THE DRIVER'S SEAT BELT IN USE

D16 DOOR COURTESY SW FRONT LH

1-GROUND : CLOSED WITH THE DRIVER'S DOOR OPEN

S 3 SEAT BELT WARNING RELAY

1-GROUND : ALWAYS CONTINUITY

4-GROUND : CONTINUITY UNLESS DRIVER'S SEAT BELT IN USE

5-GROUND : APPROX. 12 VOLTS WITH THE IGNITION SW AT **ON** POSITION

7-GROUND : CONTINUITY WITH THE IGNITION KEY IN CYLINDER

8-GROUND : CONTINUITY WITH THE DRIVER'S DOOR OPEN

9-GROUND : ALWAYS APPROX. 12 VOLTS

I12 UNLOCK WARNING SW [IGNITION SW]

10-9 : CLOSED WITH THE IGNITION KEY IN CYLINDER

 : PARTS LOCATION

CODE	SEE PAGE	CODE	SEE PAGE	CODE	SEE PAGE
B 8	26	I12	25	J 7	25
C10	24	J 1	25	S 3	25
D16	26	J 2	25		
F11	25	J 3	25		

 : RELAY BLOCKS

CODE	SEE PAGE	RELAY BLOCKS (RELAY BLOCK LOCATION)
2	18	R/B NO. 2 (FRONT SIDE OF LEFT FENDER)

 : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

CODE	SEE PAGE	JOINING WIRE HARNESS AND WIRE HARNESS (CONNECTOR LOCATION)
EA3	30	COWL WIRE AND ENGINE ROOM MAIN WIRE (LEFT FENDER)
ID2	32	COWL WIRE AND FLOOR NO. 1 WIRE (LEFT KICK PANEL)
Bc1	38	FLOOR NO. 1 WIRE AND SEAT NO. 1 WIRE (UNDER THE DRIVER'S SEAT)
BJ1	38	FLOOR NO. 1 WIRE AND SEAT NO. 2 WIRE (UNDER THE DRIVER'S SEAT)

 : GROUND POINTS

CODE	SEE PAGE	GROUND POINTS LOCATION
ID	32	LEFT KICK PANEL
IE	32	RIGHT KICK PANEL
BF	34	UNDER THE CENTER CONSOLE BOX

 : SPLICE POINTS

CODE	SEE PAGE	WIRE HARNESS WITH SPLICE POINTS	CODE	SEE PAGE	WIRE HARNESS WITH SPLICE POINTS
I 1	32	COWL WIRE	I12	32	COWL WIRE
I 7	32	COWL WIRE			

SERVICE HINTS

C5 CENTER DIFF. LOCK CONTROL RELAY

3-GROUND : APPROX. 12 VOLTS WITH THE IGNITION SW AT **ON** POSITION

2-GROUND : ALWAYS CONTINUITY

7-GROUND : APPROX. 12 VOLTS WITH THE IGNITION SW AT **ON** POSITION AND FOUR-WHEEL DRIVE CONTROL LEVER AT L4 POSITION

○ : PARTS LOCATION

CODE	SEE PAGE	CODE	SEE PAGE	CODE	SEE PAGE
C 1	22	D28	24	P 1	23
C 2	22	E 7	24	S10	25
C 5	24	F11	25	T 2	23
C10	A 24	J 1	25	T 3	23
C11	B 24	J 2	25		
C13	C 24	J 4	25		

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

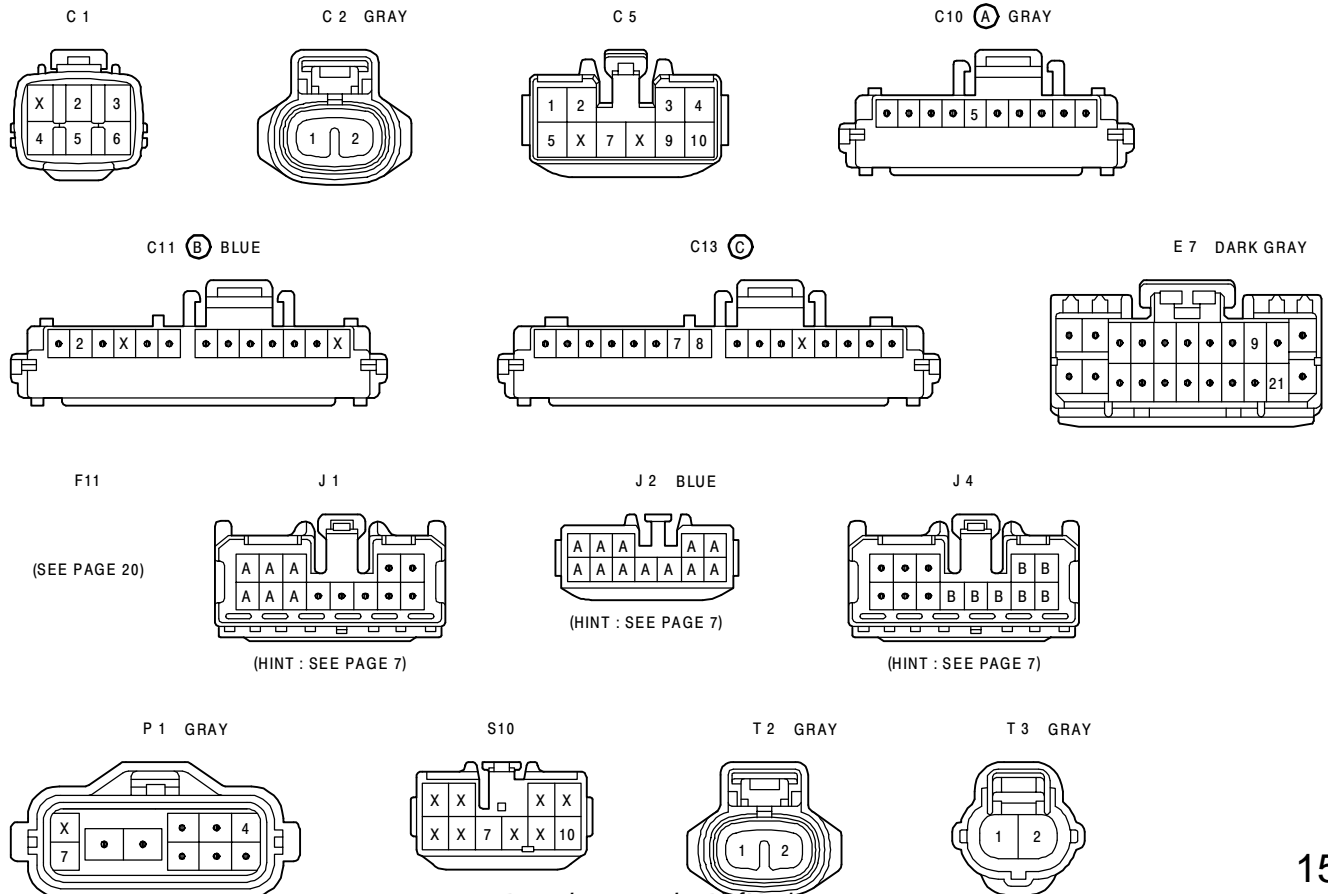
CODE	SEE PAGE	JOINING WIRE HARNESS AND WIRE HARNESS (CONNECTOR LOCATION)
EC1	30	ENGINE WIRE AND TRANSMISSION WIRE (NEAR THE STARTER)
IF1	32	COWL WIRE AND INSTRUMENT PANEL WIRE (INSTRUMENT PANEL CENTER)
IH1	32	ENGINE WIRE AND COWL WIRE (BEHIND GLOVE BOX)
IH2		

▽ : GROUND POINTS

CODE	SEE PAGE	GROUND POINTS LOCATION
EC	30	AIR INTAKE CHAMBER
ID	32	LEFT KICK PANEL
IE	32	RIGHT KICK PANEL

○ : SPLICE POINTS

CODE	SEE PAGE	WIRE HARNESS WITH SPLICE POINTS	CODE	SEE PAGE	WIRE HARNESS WITH SPLICE POINTS
E18	30	ENGINE WIRE	I11	32	COWL WIRE
E22	30	TRANSMISSION WIRE	I12		
I 6	32	COWL WIRE			



SERVICE HINTS

R 4 REAR HEATER SW

- 2-1 : CLOSED WITH THE IGNITION SW AT ON AND REAR HEATER SW AT **LO** POSITION
- 4-1 : CLOSED WITH THE IGNITION SW AT ON AND REAR HEATER SW AT **HI** POSITION

R15 REAR HEATER RELAY

- 4-1 : CLOSED WITH THE IGNITION SW AT **ON** POSITION

○ : PARTS LOCATION

CODE	SEE PAGE	CODE	SEE PAGE	CODE	SEE PAGE
F11	25	J 7	25	R14	27
J 4	25	R 4	25	R15	27

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

CODE	SEE PAGE	JOINING WIRE HARNESS AND WIRE HARNESS (CONNECTOR LOCATION)
II2	32	COWL WIRE AND FLOOR NO. 2 WIRE (RIGHT KICK PANEL)
BM1	34	FLOOR NO. 2 WIRE AND FLOOR NO. 1 WIRE (UNDER THE CENTER CONSOLE)

▽ : GROUND POINTS

CODE	SEE PAGE	GROUND POINTS LOCATION
ID	32	LEFT KICK PANEL
BF	34	UNDER THE CENTER CONSOLE BOX

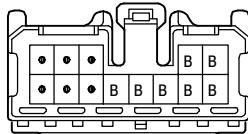
○ : SPLICE POINTS

CODE	SEE PAGE	WIRE HARNESS WITH SPLICE POINTS	CODE	SEE PAGE	WIRE HARNESS WITH SPLICE POINTS
B21	36	FLOOR NO. 2 WIRE			

F11

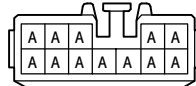
(SEE PAGE 20)

J 4



(HINT : SEE PAGE 7)

J 7 BLUE

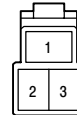


(HINT : SEE PAGE 7)

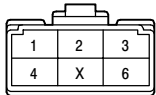
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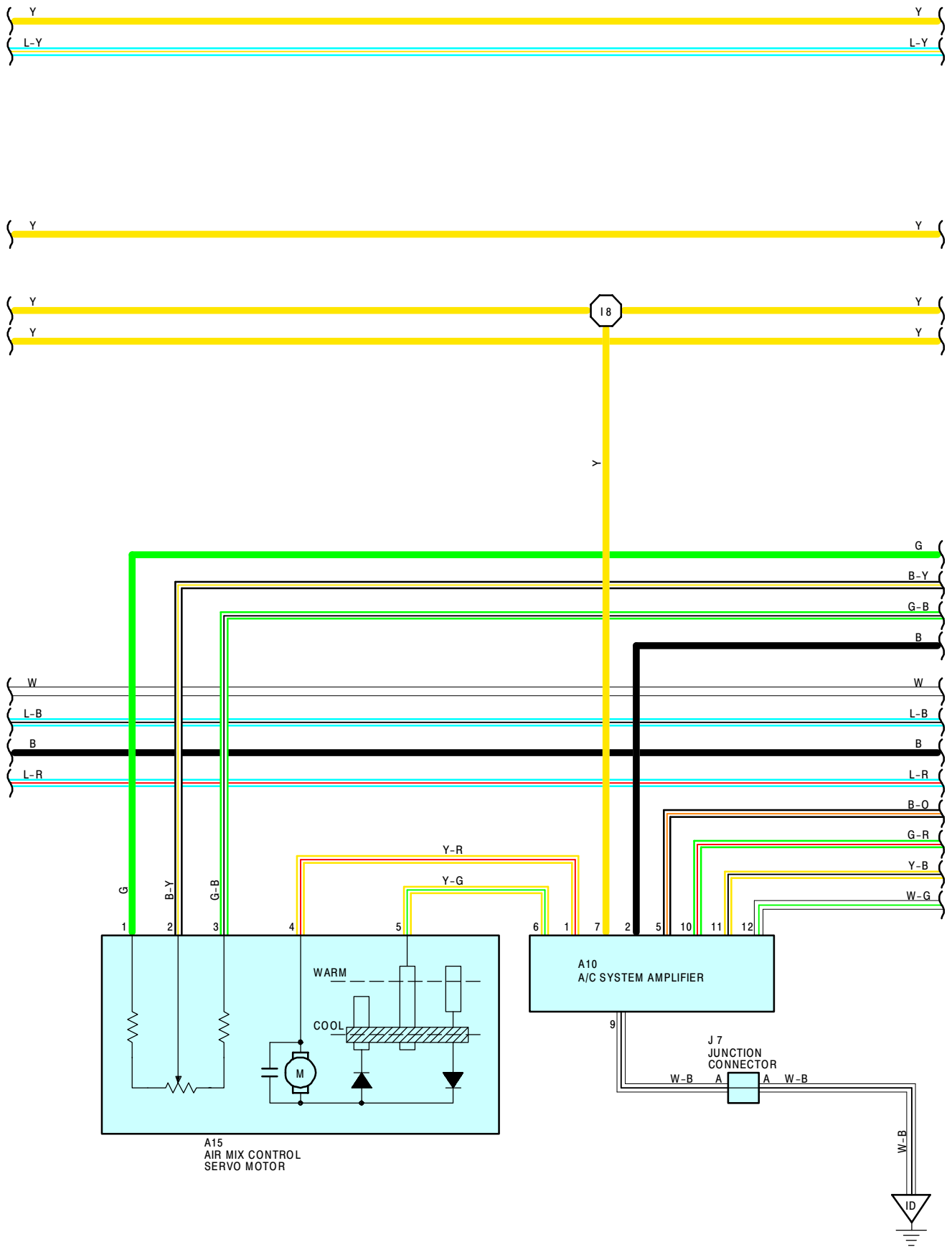


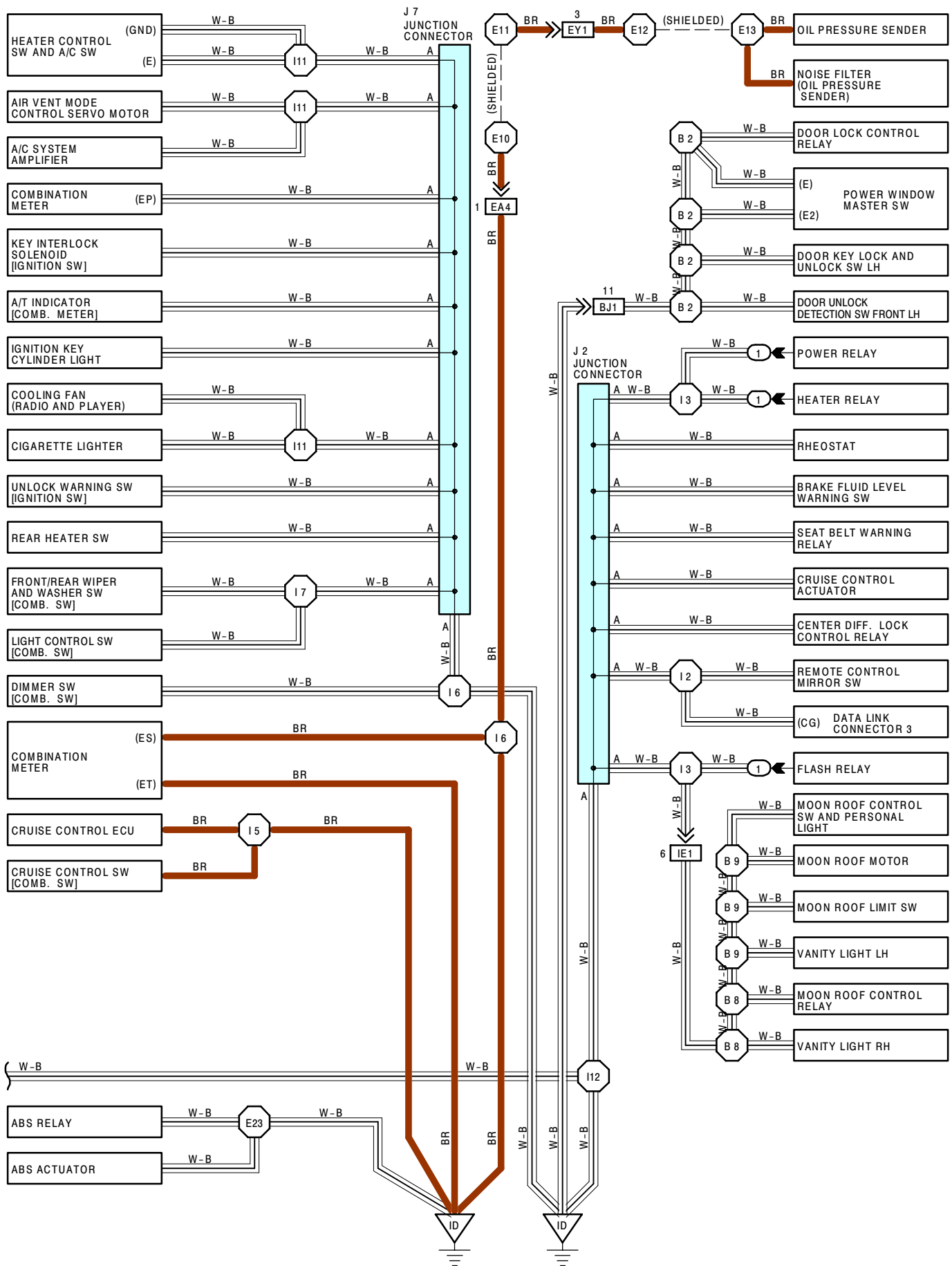
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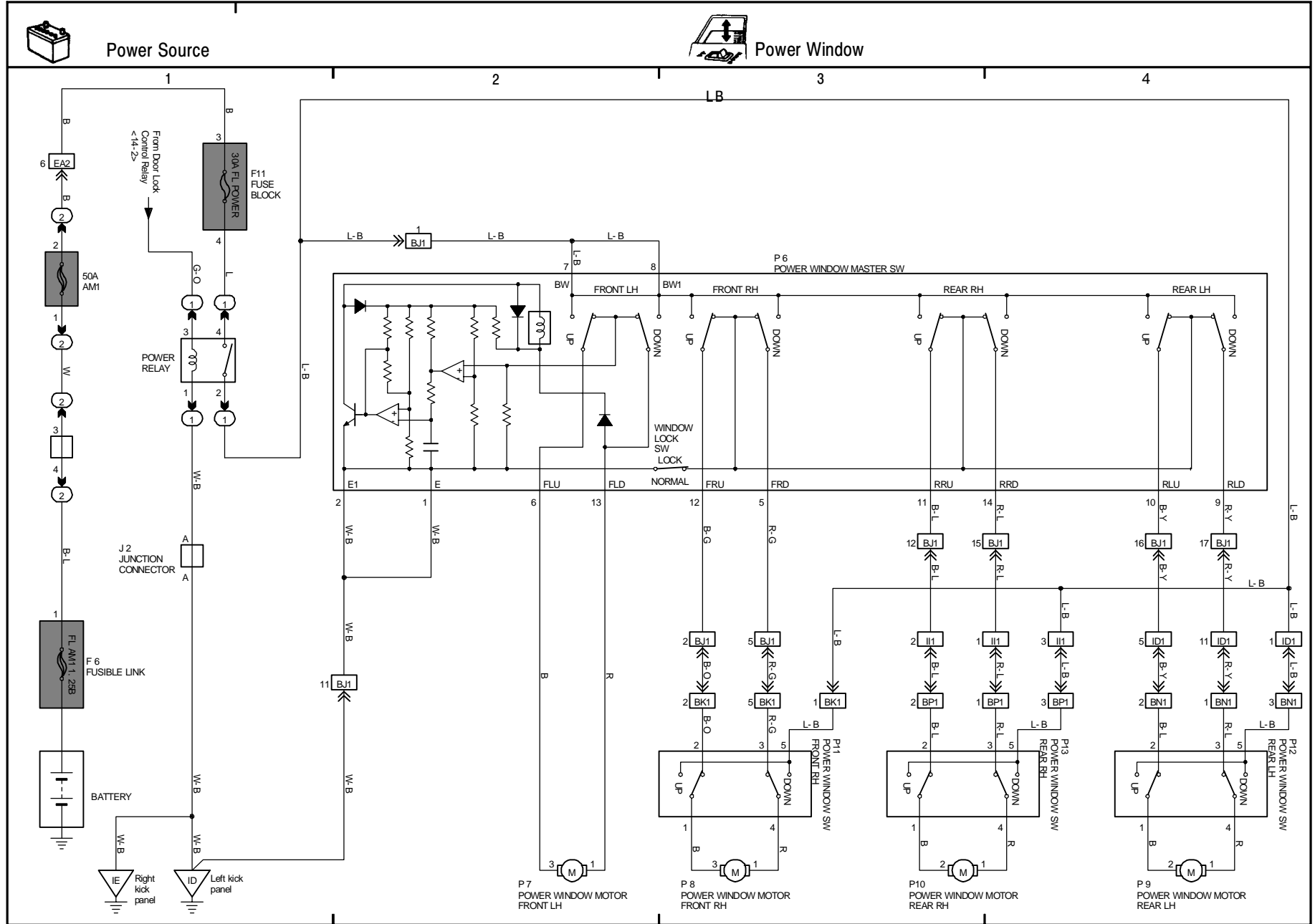
R15







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