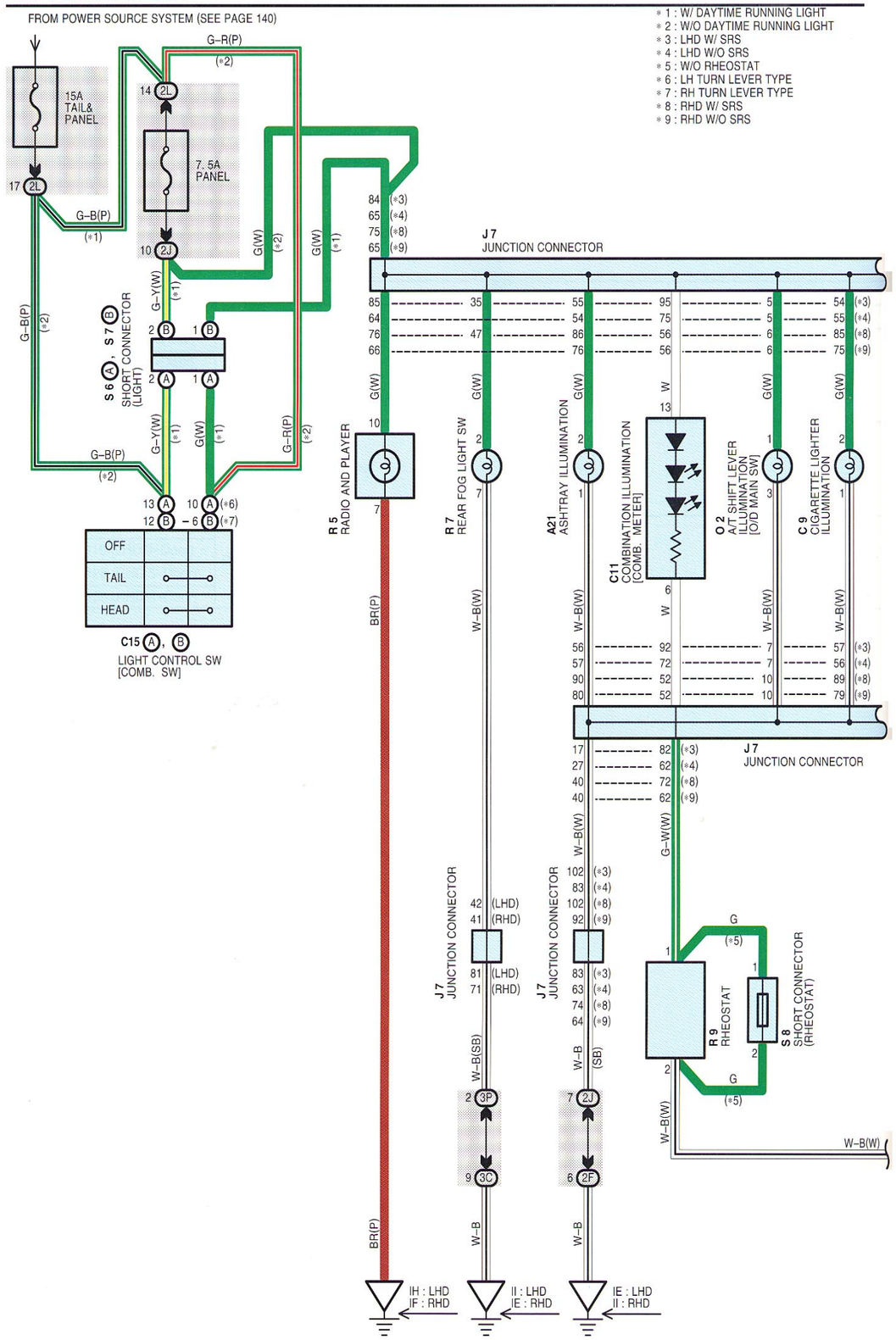
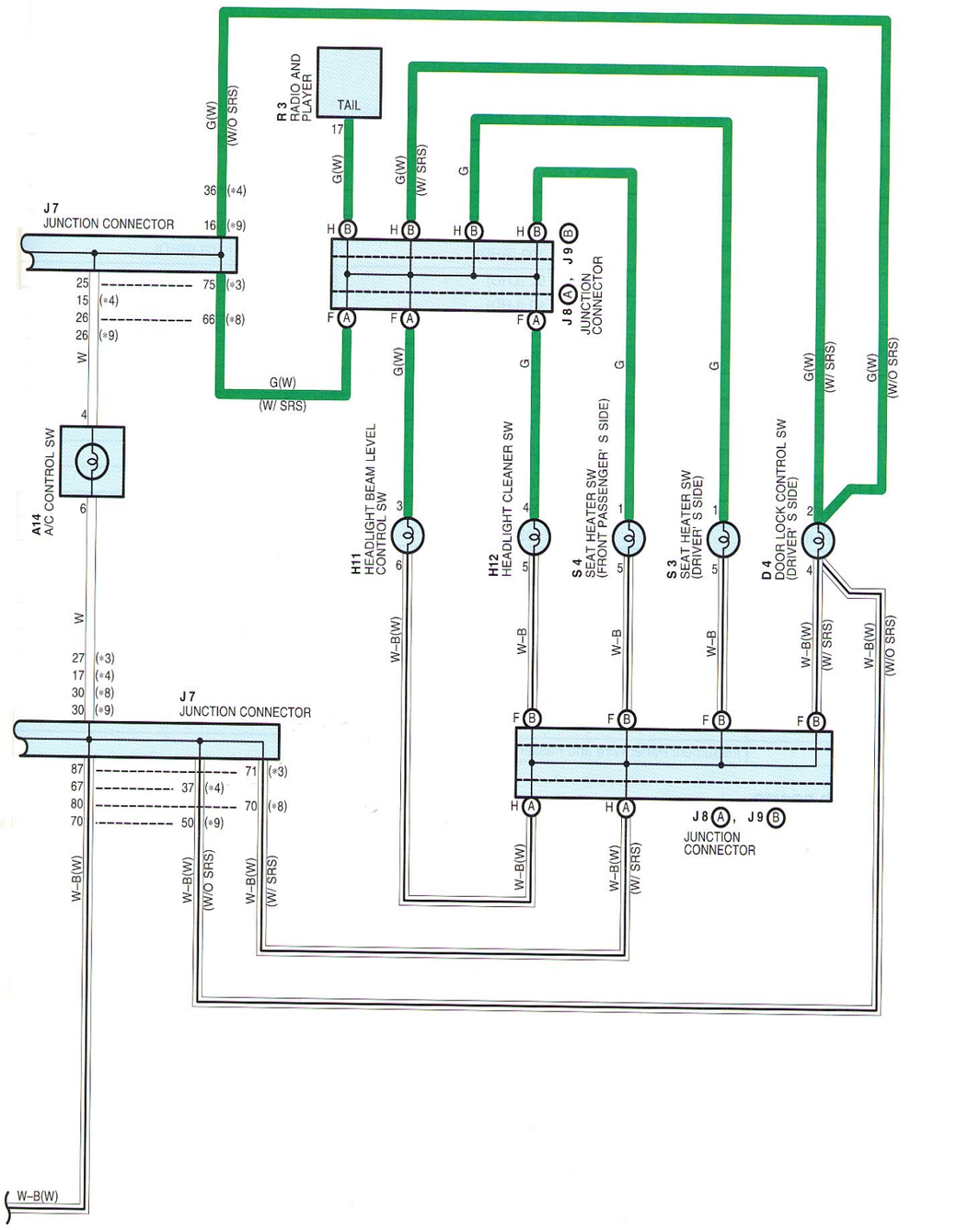
ILLUMINATION





ILLUMINATION

SERVICE HINTS

C15 (A) LIGHT CONTROL SW [COMB. SW] (LH TURN LEVER TYPE)
(A) 13–(A) 10 : Closed with the light control SW at **TAIL** or **HEAD** position

C15 (B) LIGHT CONTROL SW [COMB. SW] (RH TURN LEVER TYPE)
(B) 12–(B) 6 : Closed with the light control SW at **TAIL** or **HEAD** position

○ : PARTS LOCATION

Code	See Page
A14	92 (LHD)
	102 (RHD)
A21	92 (LHD)
	102 (RHD)
C9	92 (LHD)
	102 (RHD)
C11	92 (LHD)
	102 (RHD)
C15 A	92 (LHD)
	102 (RHD)
C15 B	102 (RHD)
D4	92 (LHD)
	102 (RHD)
H11	92 (LHD)
	102 (RHD)
H12	92 (LHD)
	93 (LHD)
J7	103 (RHD)
	93 (LHD)
J8 A	103 (RHD)
	93 (LHD)
J9 B	103 (RHD)
	93 (LHD)
O2	103 (RHD)
	93 (LHD)
R3	103 (RHD)
R5	93 (LHD)
	103 (RHD)
R7	93 (LHD)
	103 (RHD)
R9	93 (LHD)
	103 (RHD)
S3	93 (LHD)
S4	93 (LHD)
S6 A	93 (LHD)
S7 B	93 (LHD)
S8	93 (LHD)
	103 (RHD)

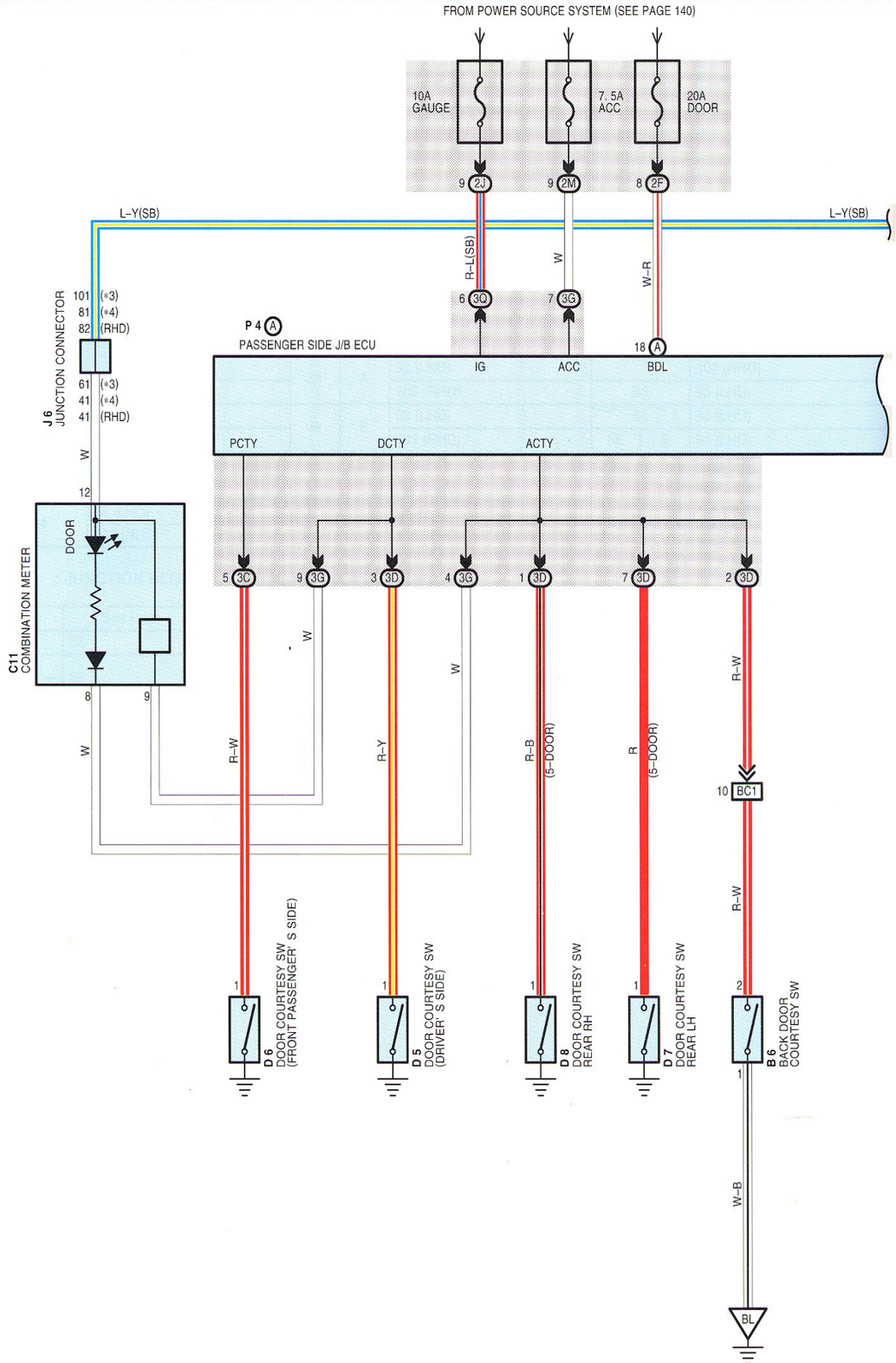
: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

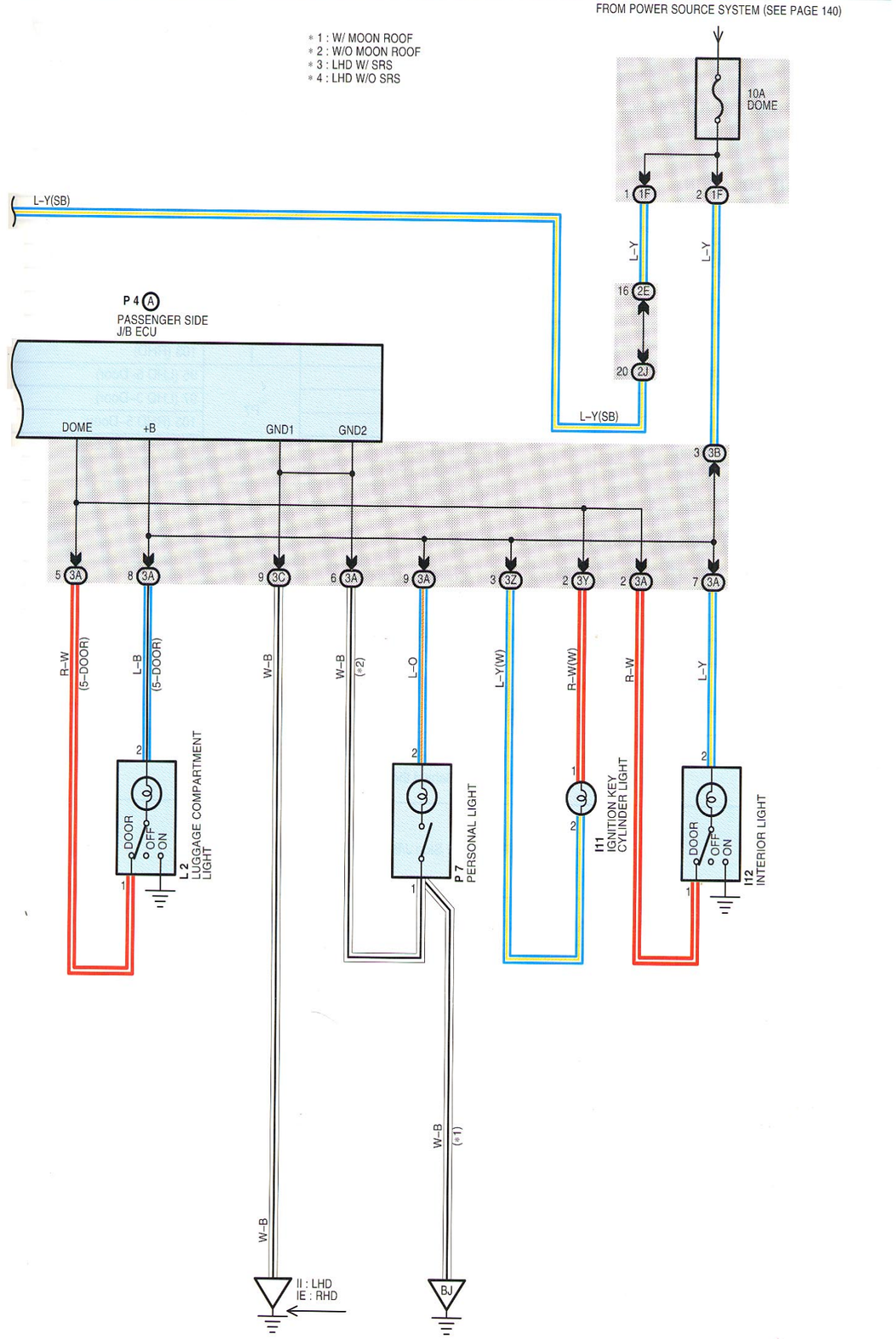
Code	See Page	Junction Block and Wire Harness (Connector Location)
2F	82	Floor Wire and Driver Side J/B (Lower Finish Panel)
2J	83	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)
2L		
3C	86	Floor Wire and Passenger Side J/B (Behind the Glove Box)
3P	86	Instrument Panel Wire and Passenger Side J/B (Behind the Glove Box)

▽ : GROUND POINTS

Code	See Page	Ground Points Location
IE	112 (LHD)	Left Kick Panel
	124 (RHD)	
IF	124 (RHD)	Left Side of Instrument Panel Brace
IH	112 (LHD)	Right Side of Instrument Panel Brace
II	112 (LHD)	Right Kick Panel
	124 (RHD)	

INTERIOR LIGHT





INTERIOR LIGHT

SERVICE HINTS

D5, D6, D7, D8 DOOR COURTESY SW (DRIVER'S SIDE), (FRONT PASSENGER'S SIDE) REAR LH, RH

1-GROUND : Closed with the door open

B6 BACK DOOR COURTESY SW

1-2 : Closed with the back door open

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code		See Page
B6	94 (LHD 5-Door)	D6	104 (RHD 5-Door)	J6		93 (LHD)
	96 (LHD 3-Door)		106 (RHD 3-Door)			103 (RHD)
	104 (RHD 5-Door)	D7	94 (LHD 5-Door)	L2		95 (LHD 5-Door)
	106 (RHD 3-Door)		104 (RHD 5-Door)			105 (RHD 5-Door)
C11	92 (LHD)	D8	94 (LHD 5-Door)	P4	A	93 (LHD)
	102 (RHD)		104 (RHD 5-Door)			103 (RHD)
D5	94 (LHD 5-Door)	I11	92 (LHD)	P7		95 (LHD 5-Door)
	96 (LHD 3-Door)		102 (RHD)			97 (LHD 3-Door)
	104 (RHD 5-Door)	I12	94 (LHD 5-Door)			105 (RHD 5-Door)
	106 (RHD 3-Door)		96 (LHD 3-Door)			107 (RHD 3-Door)
D6	94 (LHD 5-Door)		104 (RHD 5-Door)			
	96 (LHD 3-Door)		106 (RHD 3-Door)			

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1F	80	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2E	82	Engine Room Main Wire and Driver Side J/B (Lower Finish Panel)
2F	82	Floor Wire and Driver Side J/B (Lower Finish Panel)
2J	83	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)
2M		
3A	86	Roof Wire and Passenger Side J/B (Behind the Glove Box)
3B	86	Engine Room Main Wire and Passenger Side J/B (Behind the Glove Box)
3C	86	Floor Wire and Passenger Side J/B (Behind the Glove Box)
3D		
3G	86	Instrument Panel Wire and Passenger Side J/B (Behind the Glove Box)
3Q		
3Y		
3Z		

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

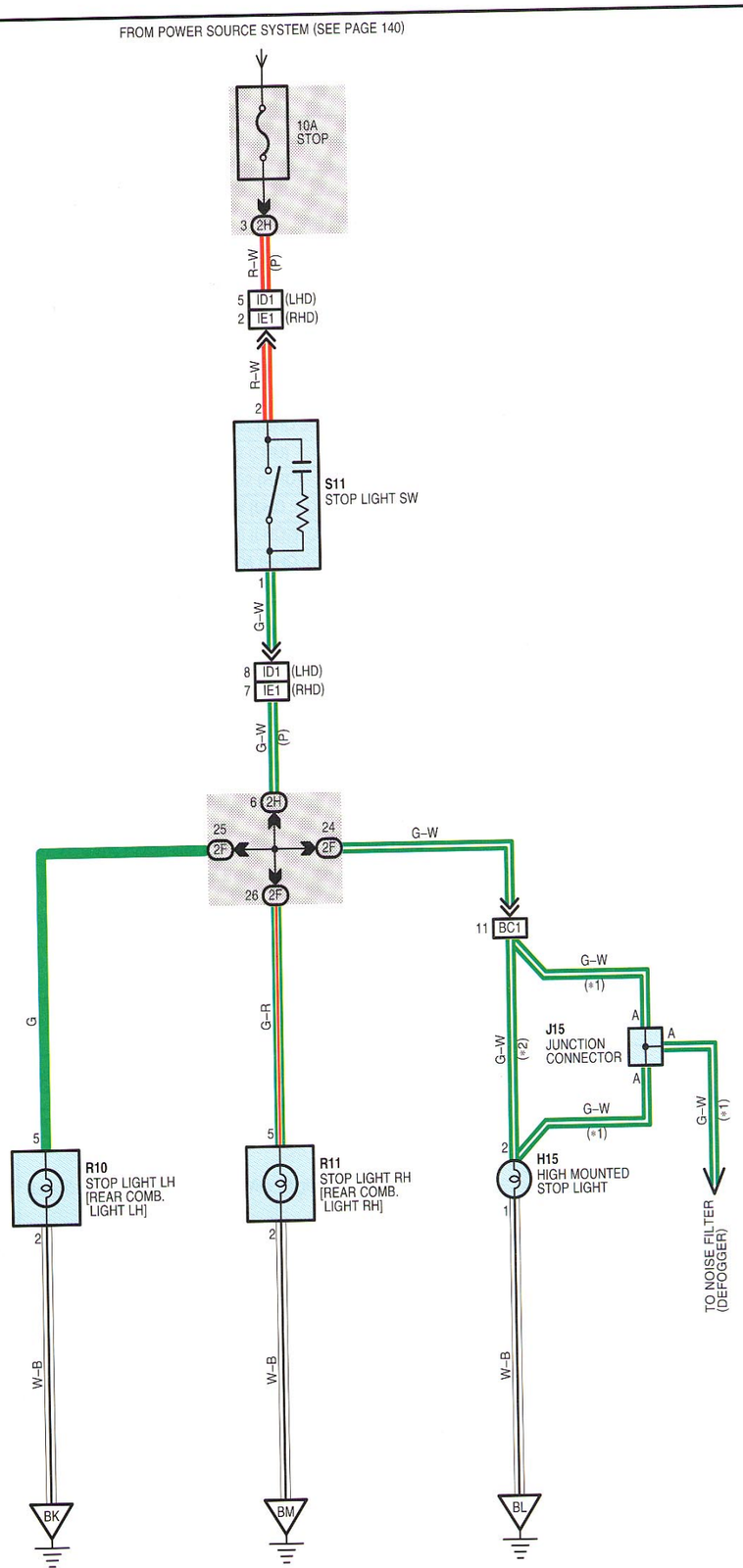
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
BC1	116 (LHD 5-Door)	Back Door No.1Wire and Floor Wire (Right Side of Back Door)
	118 (LHD 3-Door)	
	128 (RHD 5-Door)	
	130 (RHD 3-Door)	

▽ : GROUND POINTS

Code	See Page	Ground Points Location
IE	124 (RHD)	Left Kick Panel
II	112 (LHD)	Right Kick Panel
BJ	116 (LHD 5-Door)	Behind the Moon Roof Control SW
	118 (LHD 3-Door)	
	128 (RHD 5-Door)	
	130 (RHD 3-Door)	
BL	116 (LHD 5-Door)	Center Side of Back Door
	118 (LHD 3-Door)	
	128 (RHD 5-Door)	
	130 (RHD 3-Door)	

STOP LIGHT

* 1 : EUROPE
* 2 : EXCEPT EUROPE



SERVICE HINTS

S11 STOP LIGHT SW

2–1 : Closed with the brake pedal depressed

: PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
H15	94 (LHD 5–Door)	J15	104 (RHD 5–Door)	R11	95 (LHD 5–Door)
	96 (LHD 3–Door)		106 (RHD 3–Door)		97 (LHD 3–Door)
	104 (RHD 5–Door)	R10	95 (LHD 5–Door)		105 (RHD 5–Door)
	106 (RHD 3–Door)		97 (LHD 3–Door)		107 (RHD 3–Door)
J15	94 (LHD 5–Door)		105 (RHD 5–Door)	S11	93 (LHD)
	96 (LHD 3–Door)		107 (RHD 3–Door)		103 (RHD)

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
2F	82	Floor Wire and Driver Side J/B (Lower Finish Panel)
2H	83	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)

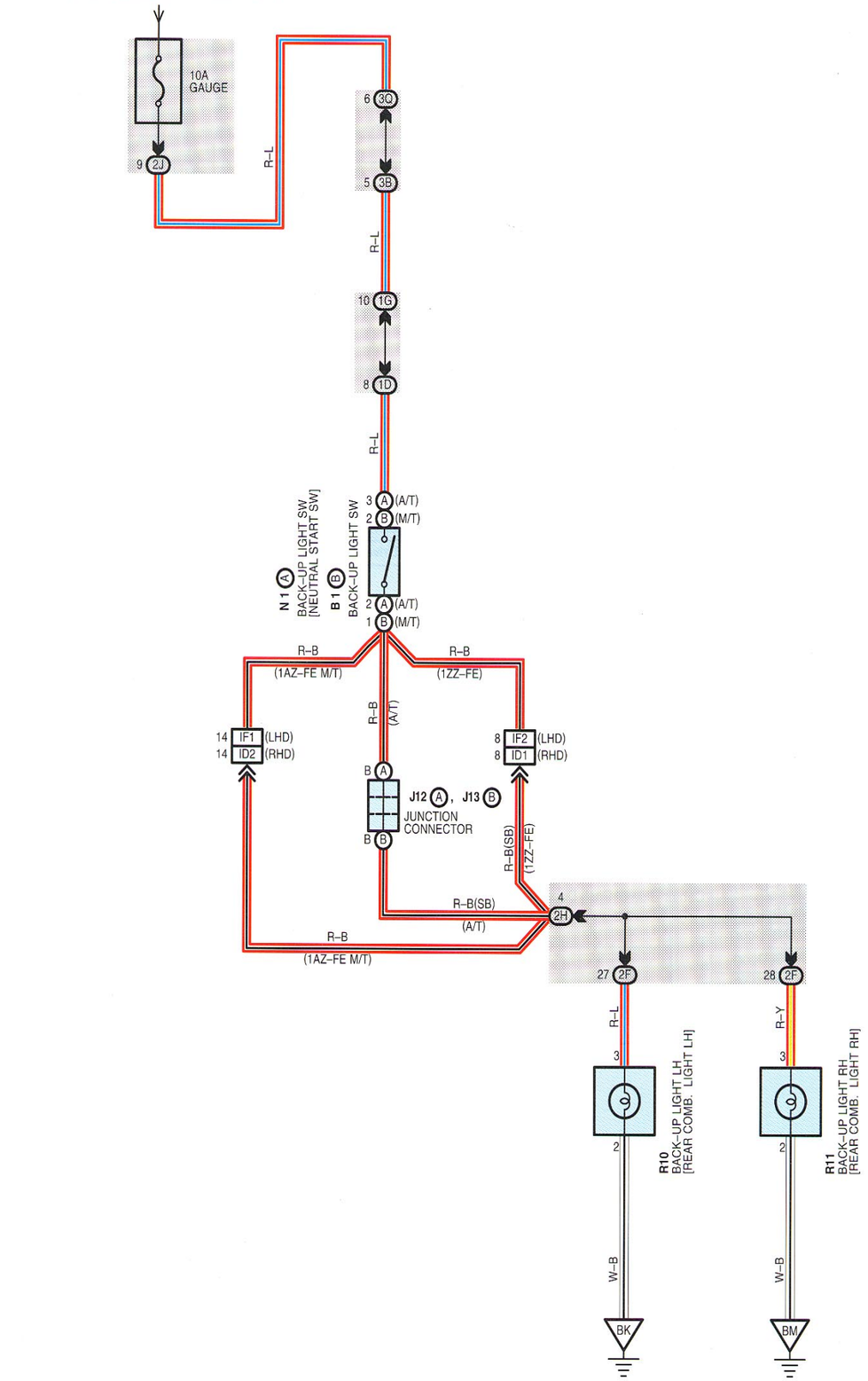
: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
ID1	112 (LHD)	Instrument Panel Wire and Switch Wire (Near the Driver Side J/B)
IE1	126 (RHD)	Instrument Panel Wire and Switch Wire (Near the Driver Side J/B)
BC1	116 (LHD 5–Door)	Back Door No.1Wire and Floor Wire (Right Side of Back Door)
	118 (LHD 3–Door)	
	128 (RHD 5–Door)	
	130 (RHD 3–Door)	

: GROUND POINTS

Code	See Page	Ground Points Location
BK	116 (LHD 5–Door)	Left Side of Quarter Panel
	118 (LHD 3–Door)	
	128 (RHD 5–Door)	
	130 (RHD 3–Door)	
BL	116 (LHD 5–Door)	Center Side of Back Door
	118 (LHD 3–Door)	
	128 (RHD 5–Door)	
	130 (RHD 3–Door)	
BM	116 (LHD 5–Door)	Right Side of Quarter Panel
	118 (LHD 3–Door)	
	128 (RHD 5–Door)	
	130 (RHD 3–Door)	

BACK-UP LIGHT



SERVICE HINTS

B1 (B) BACK-UP LIGHT SW (M/T)

(B) 2–(B) 1 : Closed with the shift lever at **R** position

N1 (A) BACK-UP LIGHT SW [NEUTRAL START SW] (A/T)

(A) 3–(A) 2 : Closed with the shift lever at **R** position

○ : PARTS LOCATION

Code		See Page	Code		See Page	Code	See Page
B1	B	88 (LHD 1AZ-FE)	J13	B	93 (LHD)	R10	105 (RHD 5-Door)
		90 (LHD 1ZZ-FE)			103 (RHD)		107 (RHD 3-Door)
		98 (RHD 1AZ-FE)	N1	A	89 (LHD 1AZ-FE)	R11	95 (LHD 5-Door)
		100 (RHD 1ZZ-FE)			99 (RHD 1AZ-FE)		97 (LHD 3-Door)
J12	A	93 (LHD)	R10		95 (LHD 5-Door)		105 (RHD 5-Door)
		103 (RHD)			97 (LHD 3-Door)		107 (RHD 3-Door)

⬭ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1D	80	Engine Wire and Engine Room J/B (Engine Compartment Left)
1G	80	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2F	82	Floor Wire and Driver Side J/B (Lower Finish Panel)
2H	83	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)
2J		
3B	86	Engine Room Main Wire and Passenger Side J/B (Behind the Glove Box)
3Q	86	Instrument Panel Wire and Passenger Side J/B (Behind the Glove Box)

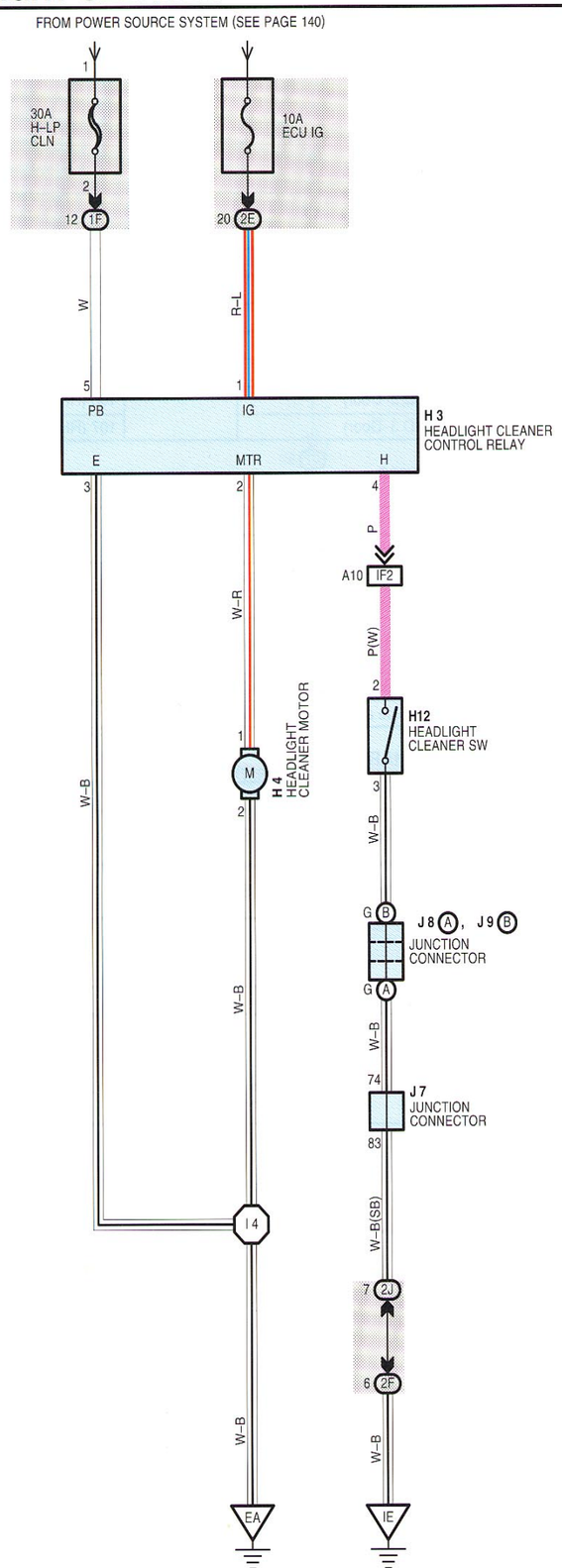
▭ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
ID1	124 (RHD)	Engine Wire and Instrument Panel Wire (Near the Passenger Side J/B)
ID2		
IF1	114 (LHD)	Engine Wire and Instrument Panel Wire (Near the Passenger Side J/B)
IF2		

▽ : GROUND POINTS

Code	See Page	Ground Points Location
BK	116 (LHD 5-Door)	Left Side of Quarter Panel
	118 (LHD 3-Door)	
	128 (RHD 5-Door)	
	130 (RHD 3-Door)	
BM	116 (LHD 5-Door)	Right Side of Quarter Panel
	118 (LHD 3-Door)	
	128 (RHD 5-Door)	
	130 (RHD 3-Door)	

HEADLIGHT CLEANER



SERVICE HINTS

H3 HEADLIGHT CLEANER CONTROL RELAY

1-GROUND : Approx. **12** volts with the ignition SW at **ON** position
3-GROUND : Always continuity
5-GROUND : Always approx. **12** volts

: PARTS LOCATION

Code	See Page	Code	See Page	Code		See Page
H3	89 (LHD 1AZ-FE)	H4	91 (LHD 1ZZ-FE)	J8	A	93 (LHD)
	91 (LHD 1ZZ-FE)	H12	92 (LHD)	J9	B	93 (LHD)
H4	89 (LHD 1AZ-FE)	J7	93 (LHD)			

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1F	80	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2E	82	Engine Room Main Wire and Driver Side J/B (Lower Finish Panel)
2F	82	Floor Wire and Driver Side J/B (Lower Finish Panel)
2J	83	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IF2	114 (LHD)	Engine Wire and Instrument Panel Wire (Near the Passenger Side J/B)

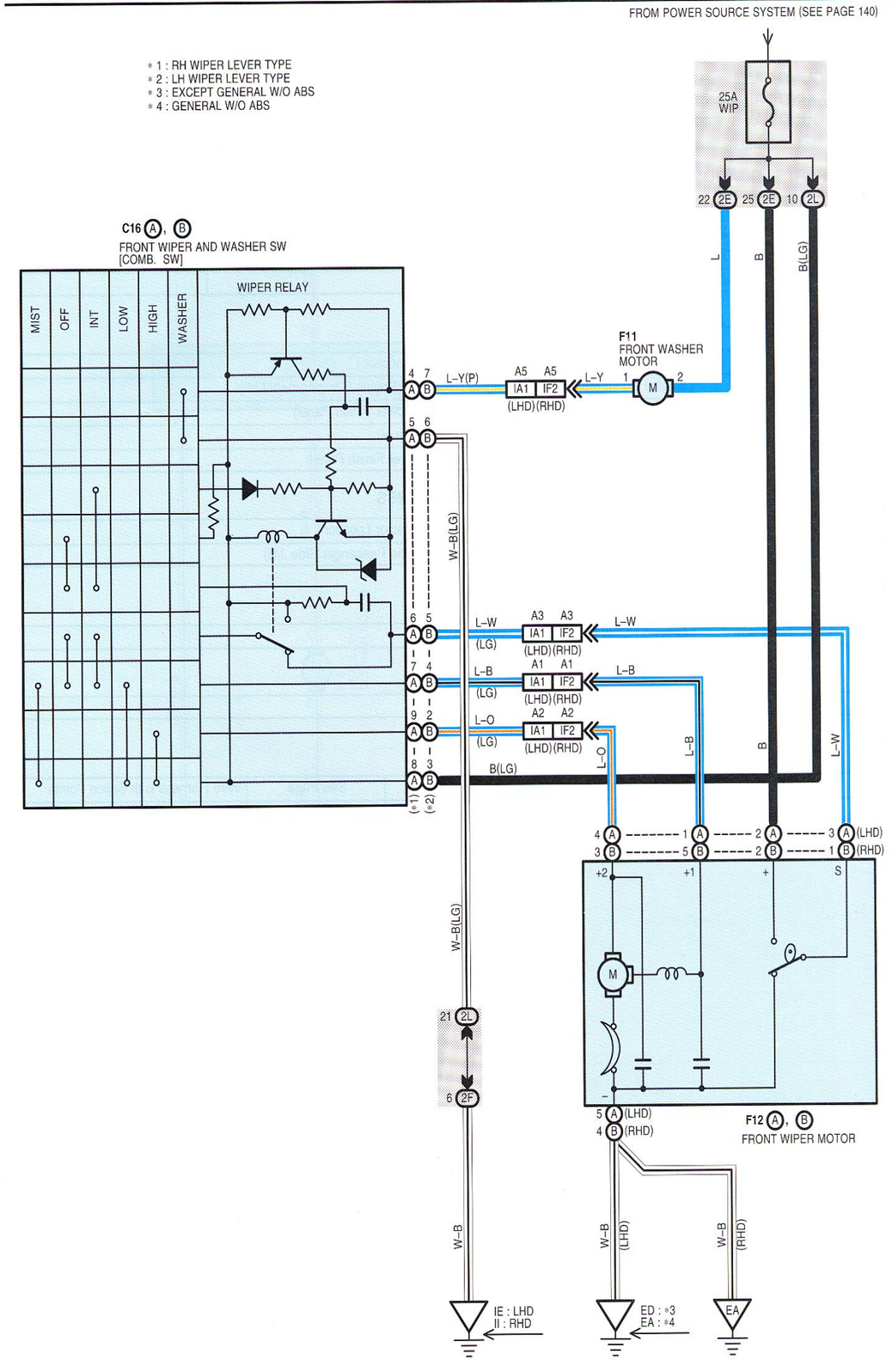
: GROUND POINTS

Code	See Page	Ground Points Location
EA	108 (LHD 1AZ-FE)	Front Right Side of Fender Apron
	110 (LHD 1ZZ-FE)	
IE	112 (LHD)	Left Kick Panel

: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I4	114 (LHD)	Engine Room Main Wire			

FRONT WIPER AND WASHER



SYSTEM OUTLINE

With the ignition SW turned on, current flows to TERMINAL 8 of the front wiper and washer SW, TERMINAL 2 of the front wiper motor, TERMINAL 2 of the front washer motor through the WIP fuse.

1. LOW SPEED POSITION

With the wiper SW turned to LOW position, current flows from TERMINAL 8 of the front wiper and washer SW to TERMINAL 7 to TERMINAL 1 of the front wiper motor to TERMINAL 5 to GROUND, causing the front wiper motor to run at low speed.

2. HIGH SPEED POSITION

With the wiper SW turned to HIGH position, current flows from TERMINAL 8 of the front wiper and washer SW to TERMINAL 9 to TERMINAL 4 of the front wiper motor to TERMINAL 5 to GROUND, causing the front wiper motor to run at high speed.

3. INT POSITION

With the wiper SW turned to INT position, the wiper relay operates and the current which is connected by relay function flows from TERMINAL 8 of the front wiper and washer SW to TERMINAL 5 to GROUND. This operates the intermittent circuit and current flows from TERMINAL 8 of the front wiper and washer SW to TERMINAL 7 to TERMINAL 1 of the front wiper motor to TERMINAL 5 to GROUND, and operating the wiper.

4. MIST POSITION

With the wiper SW turned to MIST position, current flows from TERMINAL 8 to TERMINAL 7 to TERMINAL 1 of the front wiper motor to TERMINAL 5 to GROUND, causing the front wiper motor to run at low speed.

5. WASHER CONTINUITY OPERATION

With the washer SW pulled to on, current flows from TERMINAL 2 of the front washer motor to TERMINAL 1 to TERMINAL 4 of the front wiper and washer SW to TERMINAL 5 to GROUND, causing the washer motor to run, and the window washer emits a water spray. This causes current to flow to washer continuity operation circuit in TERMINAL 8 of the front wiper and washer SW to TERMINAL 7 to TERMINAL 1 of the front wiper motor to wiper motor to TERMINAL 5 to GROUND, operating the wiper.

SERVICE HINTS

C16 (A) FRONT WIPER AND WASHER SW (RH WIPER LEVER TYPE)

(A) 5-GROUND : Always continuity
(A) 7-GROUND : Approx. **12** volts with the front wiper and washer SW at **LOW** position
Approx. **2** to **12** seconds intermittently with the front wiper and washer SW at **INT** position
(A) 9-GROUND : Approx. **12** volts with the front wiper and washer SW at **HI** position
(A) 6-GROUND : Approx. **12** volts with the ignition SW on unless the front wiper motor at **STOP** position
(A) 8-GROUND : Approx. **12** volts the ignition SW at **ON** position

C16 (B) FRONT WIPER AND WASHER SW (LH WIPER LEVER TYPE)

(B) 6-GROUND : Always continuity
(B) 4-GROUND : Approx. **12** volts with the front wiper and washer SW at **LOW** position
Approx. **2** to **12** seconds intermittently with the front wiper and washer SW at **INT** position
(B) 2-GROUND : Approx. **12** volts with the front wiper and washer SW at **HI** position
(B) 5-GROUND : Approx. **12** volts with the ignition SW on unless the front wiper motor at **STOP** position
(B) 3-GROUND : Approx. **12** volts the ignition SW at **ON** or **ST** position

○ : PARTS LOCATION

Code		See Page	Code		See Page	Code		See Page
C16	A	92 (LHD)	F11		90 (LHD 1ZZ-FE)	F12	A	90 (LHD 1ZZ-FE)
		102 (RHD)			98 (RHD 1AZ-FE)		B	98 (RHD 1AZ-FE)
	B	102 (RHD)			100 (RHD 1ZZ-FE)			100 (RHD 1ZZ-FE)
F11		88 (LHD 1AZ-FE)	F12	A	88 (LHD 1AZ-FE)			

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
2E	82	Engine Room Main Wire and Driver Side J/B (Lower Finish Panel)
2F	82	Floor Wire and Driver Side J/B (Lower Finish Panel)
2L	83	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)

FRONT WIPER AND WASHER

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

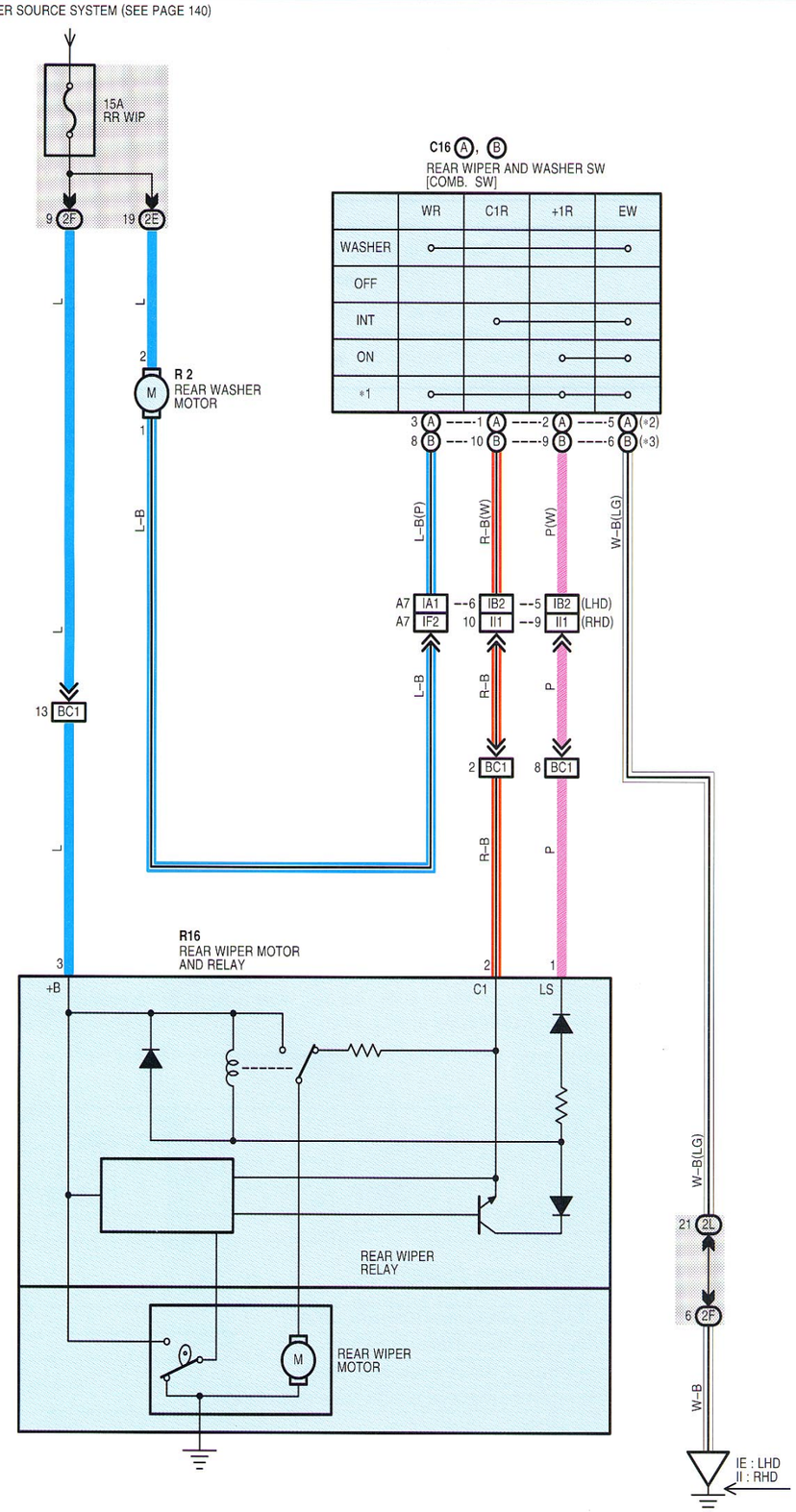
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	112 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)
IF2	126 (RHD)	Instrument Panel Wire and Engine Room Main Wire (Right Kick Panel)

: GROUND POINTS

Code	See Page	Ground Points Location
EA	108 (LHD 1AZ-FE)	Front Right Side of Fender Apron
	110 (LHD 1ZZ-FE)	
	120 (RHD 1AZ-FE)	
	122 (RHD 1ZZ-FE)	
ED	108 (LHD 1AZ-FE)	Front Left Side of Fender Apron
	110 (LHD 1ZZ-FE)	
IE	112 (LHD)	Left Kick Panel
II	124 (RHD)	Right Kick Panel

REAR WIPER AND WASHER

* 1 : ON AND WASHER
* 2 : RH WIPER LEVER TYPE
* 3 : LH WIPER LEVER TYPE



SYSTEM OUTLINE

When the ignition SW is turned on, current flows to TERMINAL 2 of the rear washer motor, TERMINAL 3 of the rear wiper motor and relay through the RR WIP fuse.

1. REAR WIPER NORMAL OPERATION

With the ignition SW turned on and rear wiper and washer SW turned on, current to TERMINAL 3 of the rear wiper motor and relay flows to TERMINAL 1 of the rear wiper motor and relay to TERMINAL 2 (RH wiper lever type), 9 (LH wiper lever type) of the rear wiper and washer SW to TERMINAL 5 (RH wiper lever type), 6 (LH wiper lever type) to GROUND. Thus, the relay coil is activated and current to the rear wiper motor to motor to GROUND, causing the motor to operate the wiper.

2. REAR WIPER INTERMITTENT OPERATION

When the ignition SW is turned on and the rear wiper and washer SW is turned to INT position, current to TERMINAL 3 of the rear wiper motor and relay flows to TERMINAL 2 of the rear wiper motor and relay to TERMINAL 1 (RH wiper lever type), 10 (LH wiper lever type) of the rear wiper and washer SW to TERMINAL 5 (RH wiper lever type), 6 (LH wiper lever type) to GROUND.
This causes the motor to operate (The point changes) and the intermittent circuit of the relay operates. Intermittent operation of the circuit is controlled by the charging and discharging of the condenser installed inside the relay.

3. WASHER OPERATION

With the ignition SW turned on and the rear wiper and washer SW turned to ON position, when the wiper SW is turned further, current to TERMINAL 2 of the rear washer motor flows to TERMINAL 1 to TERMINAL 3 (RH wiper lever type), 8 (LH wiper lever type) of the rear wiper and washer SW to TERMINAL 5 (RH wiper lever type), 6 (LH wiper lever type) to GROUND so that the washer motor rotates and the window washer emits a water, only while the switch is fully turned.
When the wiper SW is off and then turned washer on (Wiper off side), the wiper SW is on and then turned to washer on (Wiper on side), only the washer operates.

SERVICE HINTS

R2 REAR WASHER MOTOR

2-GROUND : Approx. **12** volts with the ignition SW at **ON** position
1-GROUND : Continuity with the washer SW turned on

R16 REAR WIPER MOTOR AND RELAY

3-GROUND : Approx. **12** volts with the ignition SW at **ON** position
2-GROUND : Continuity with the rear wiper and washer SW at **INT** position
1-GROUND : Continuity with the rear wiper and washer SW at **ON** position

: PARTS LOCATION

Code		See Page	Code	See Page	Code	See Page
C16	A	92 (LHD)	R2	91 (LHD 1ZZ-FE)	R16	97 (LHD 3-Door)
		102 (RHD)		99 (RHD 1AZ-FE)		105 (RHD 5-Door)
	B	102 (RHD)		101 (RHD 1ZZ-FE)		107 (RHD 3-Door)
R2		89 (LHD 1AZ-FE)	R16	95 (LHD 5-Door)		

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
2E	82	Engine Room Main Wire and Driver Side J/B (Lower Finish Panel)
2F	82	Floor Wire and Driver Side J/B (Lower Finish Panel)
2L	83	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

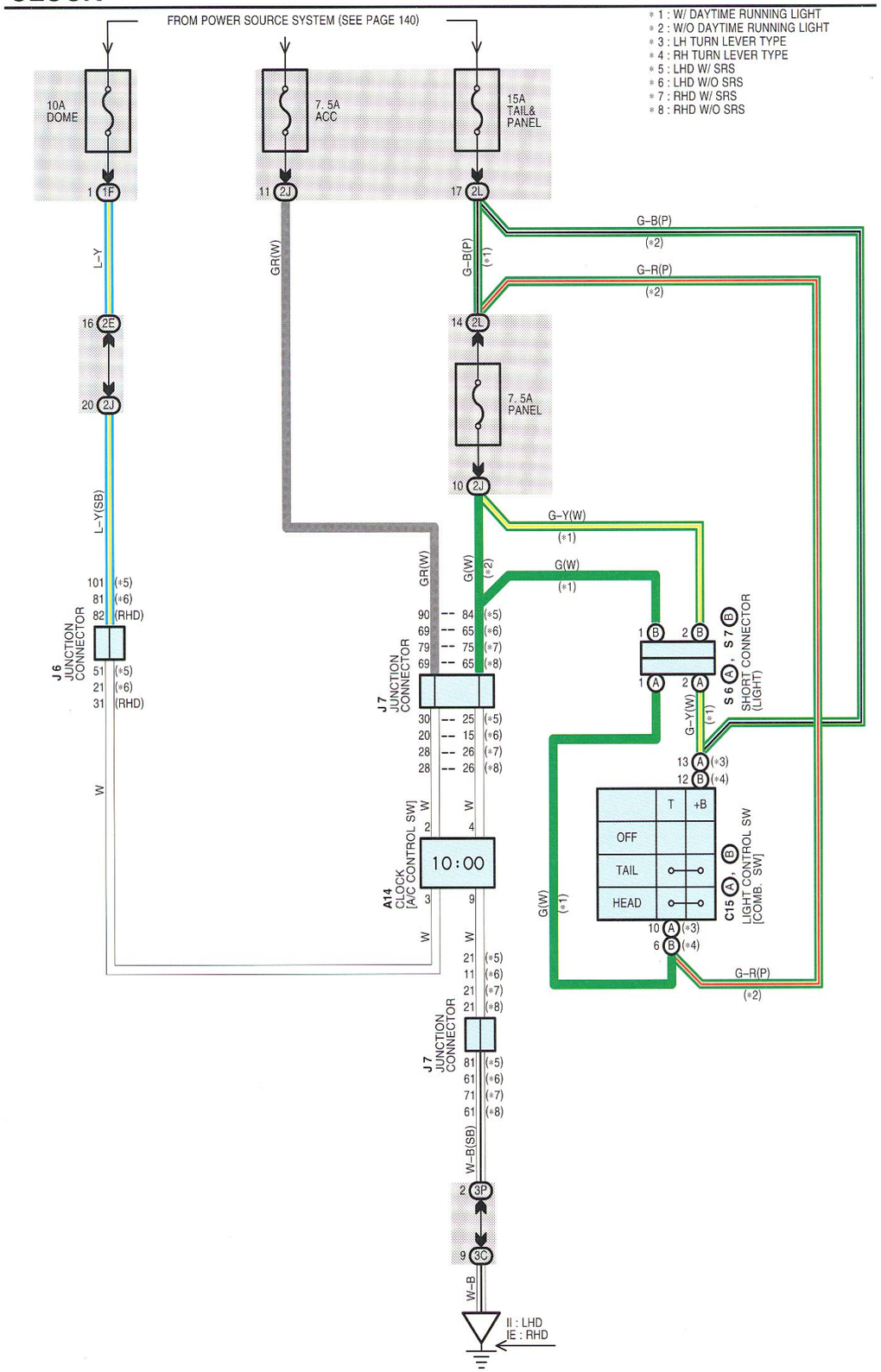
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	112 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)
IB2	112 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
IF2	126 (RHD)	Instrument Panel Wire and Engine Room Main Wire (Right Kick Panel)
II1	126 (RHD)	Instrument Panel Wire and Floor Wire (Right Kick Panel)
BC1	116 (LHD 5-Door)	Back Door No.1Wire and Floor Wire (Right Side of Back Door)
	118 (LHD 3-Door)	
	128 (RHD 5-Door)	
	130 (RHD 3-Door)	

REAR WIPER AND WASHER

▽ : **GROUND POINTS**

Code	See Page	Ground Points Location
IE	112 (LHD)	Left Kick Panel
II	124 (RHD)	Right Kick Panel

CLOCK



SERVICE HINTS

A14 CLOCK [A/C CONTROL SW]

3-GROUND : Always approx. **12** volts
4-GROUND : Approx. **12** volts with the light control SW at **TAIL** or **HEAD** position
2-GROUND : Approx. **12** volts with the ignition SW at **ACC** or **ON** position
9-GROUND : Always continuity

O : PARTS LOCATION

Code		See Page	Code		See Page	Code		See Page
A14		92 (LHD)	C15	B	102 (RHD)	J7		103 (RHD)
		102 (RHD)	J6		93 (LHD)	S6	A	93 (LHD)
C15	A	92 (LHD)			103 (RHD)	S7	B	93 (LHD)
		102 (RHD)	J7		93 (LHD)			

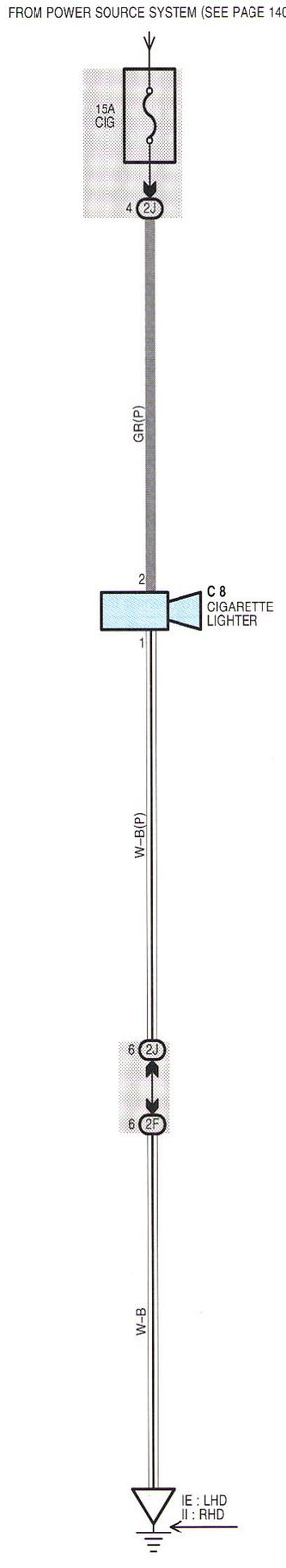
: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1F	80	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2E	82	Engine Room Main Wire and Driver Side J/B (Lower Finish Panel)
2J	83	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)
2L		
3C	86	Floor Wire and Passenger Side J/B (Behind the Glove Box)
3P	86	Instrument Panel Wire and Passenger Side J/B (Behind the Glove Box)

: GROUND POINTS

Code	See Page	Ground Points Location
IE	124 (RHD)	Left Kick Panel
II	112 (LHD)	Right Kick Panel

CIGARETTE LIGHTER



SERVICE HINTS

C8 CIGARETTE LIGHTER

2-GROUND : Approx. **12** volts with the ignition SW at **ACC** or **ON** position
1-GROUND : Always continuity

O : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
C8	92 (LHD)	C8	102 (RHD)		

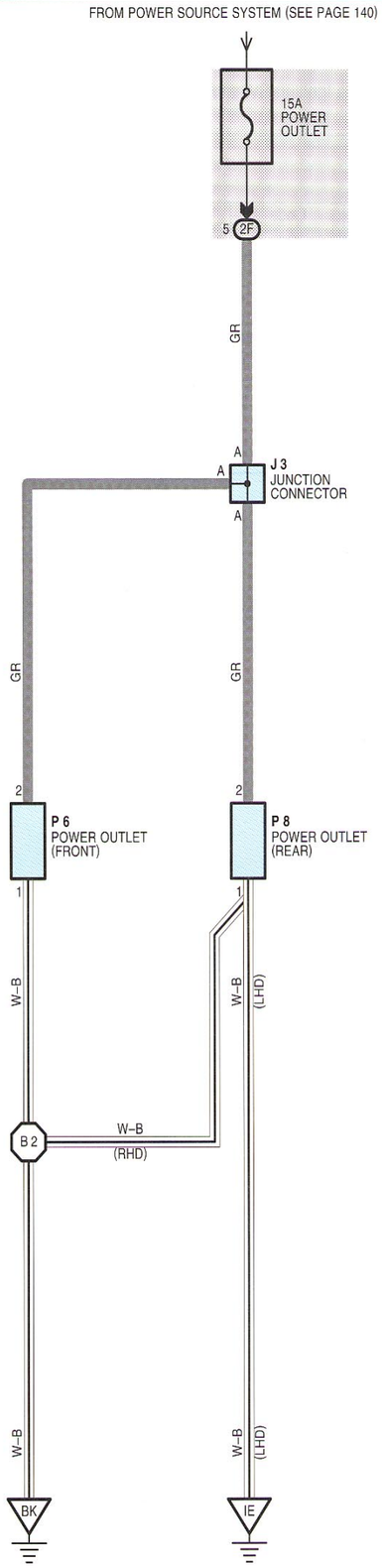
: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
2F	82	Floor Wire and Driver Side J/B (Lower Finish Panel)
2J	83	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)

: GROUND POINTS

Code	See Page	Ground Points Location
IE	112 (LHD)	Left Kick Panel
II	124 (RHD)	Right Kick Panel

POWER OUTLET



SERVICE HINTS

P6 POWER OUTLET (FRONT)

2-GROUND : Approx. **12** volts with the ignition SW at **ACC** or **ON** position
1-GROUND : Always continuity

P8 POWER OUTLET (REAR)

2-GROUND : Approx. **12** volts with the ignition SW at **ACC** or **ON** position
1-GROUND : Always continuity

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
J3	93 (LHD)	P6	103 (RHD)	P8	105 (RHD 5-Door)
	103 (RHD)	P8	95 (LHD 5-Door)		107 (RHD 3-Door)
P6	93 (LHD)		97 (LHD 3-Door)		

⬭ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
2F	82	Floor Wire and Driver Side J/B (Lower Finish Panel)

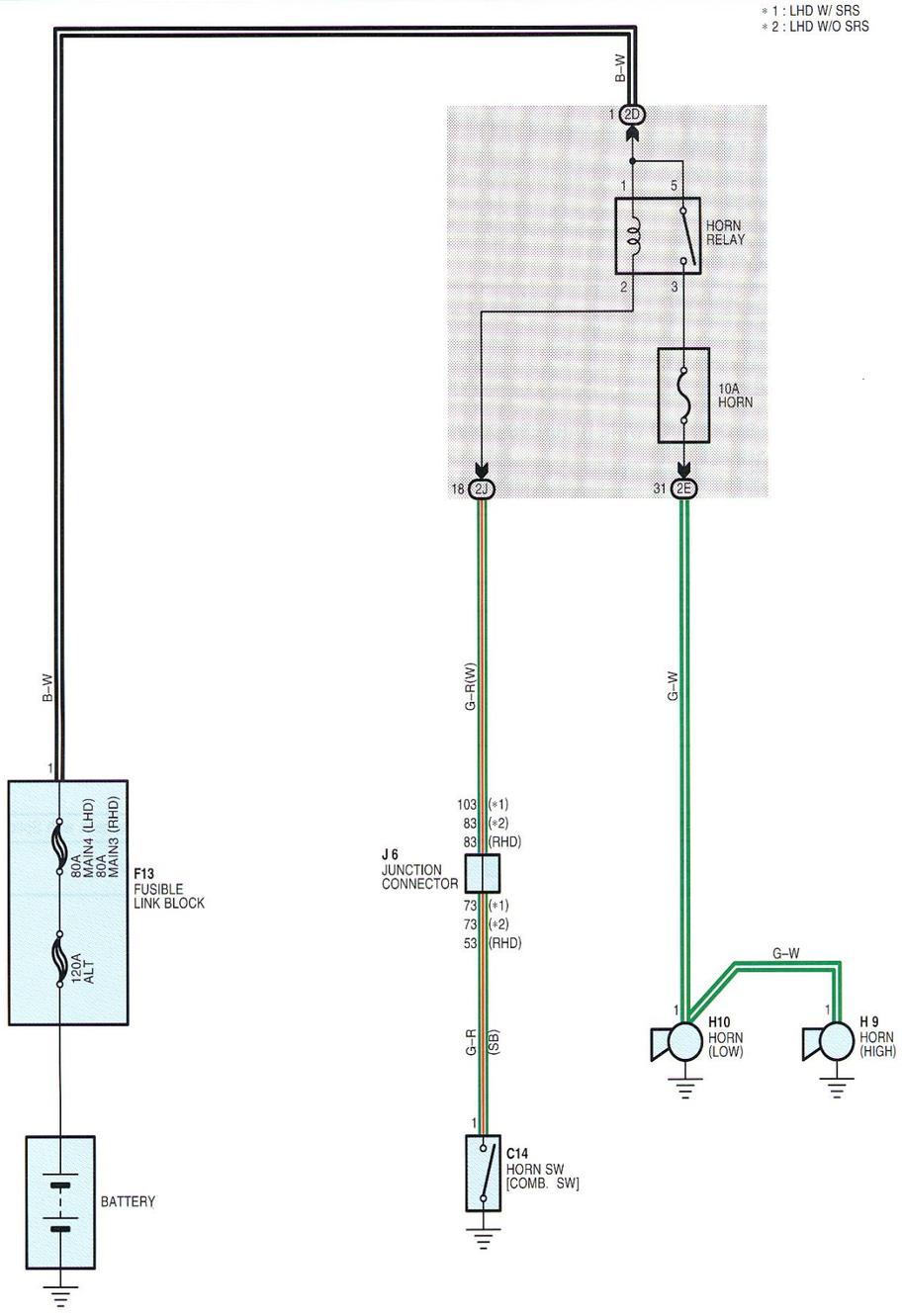
▽ : GROUND POINTS

Code	See Page	Ground Points Location
IE	112 (LHD)	Left Kick Panel
BK	116 (LHD 5-Door)	Left Side of Quarter Panel
	118 (LHD 3-Door)	
	128 (RHD 5-Door)	
	130 (RHD 3-Door)	

⯃ : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
B2	116 (LHD 5-Door)	Floor Wire	B2	128 (RHD 5-Door)	Floor Wire
	118 (LHD 3-Door)			130 (RHD 3-Door)	

HORN



SERVICE HINTS

HORN RELAY

5–3 : Closed with the horn SW on

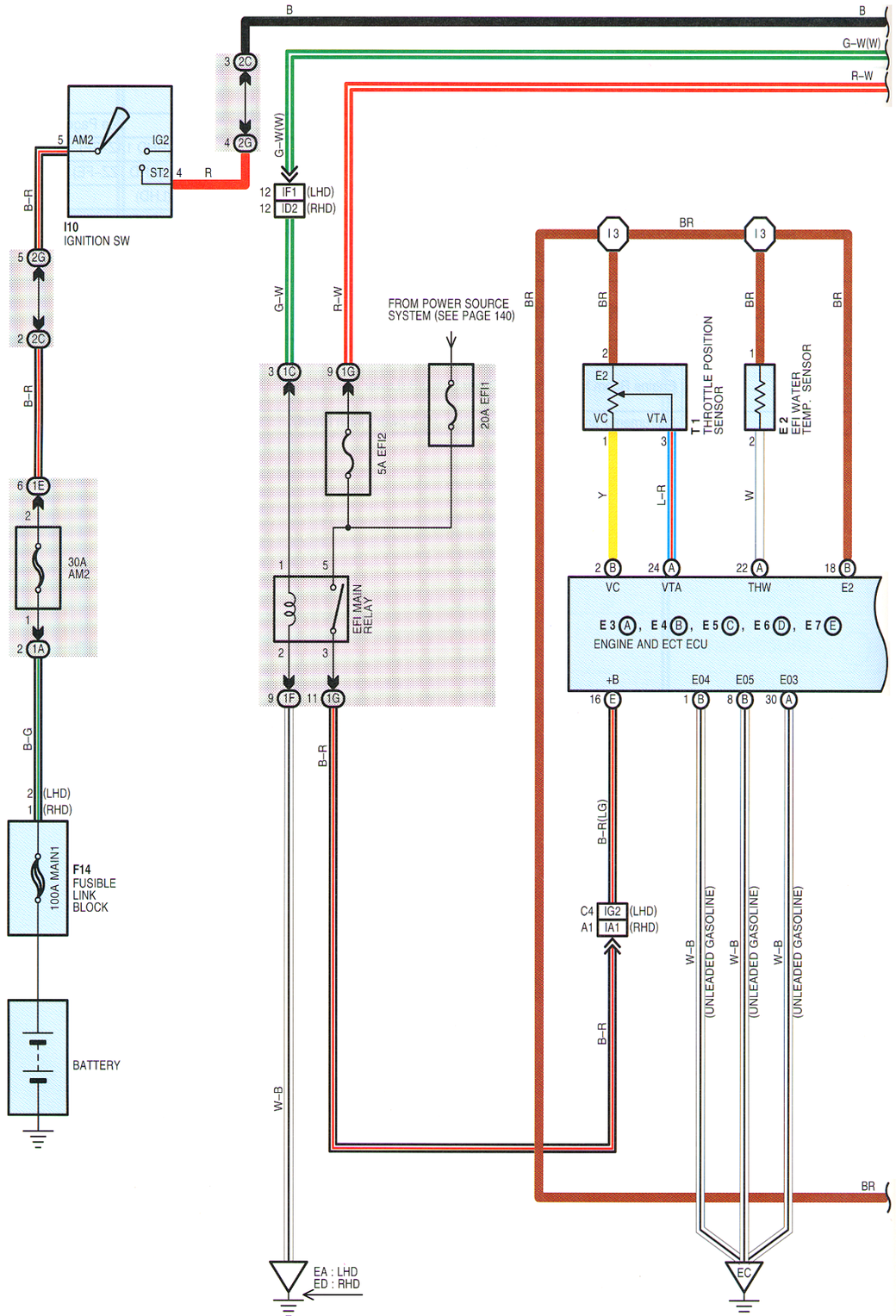
: PARTS LOCATION

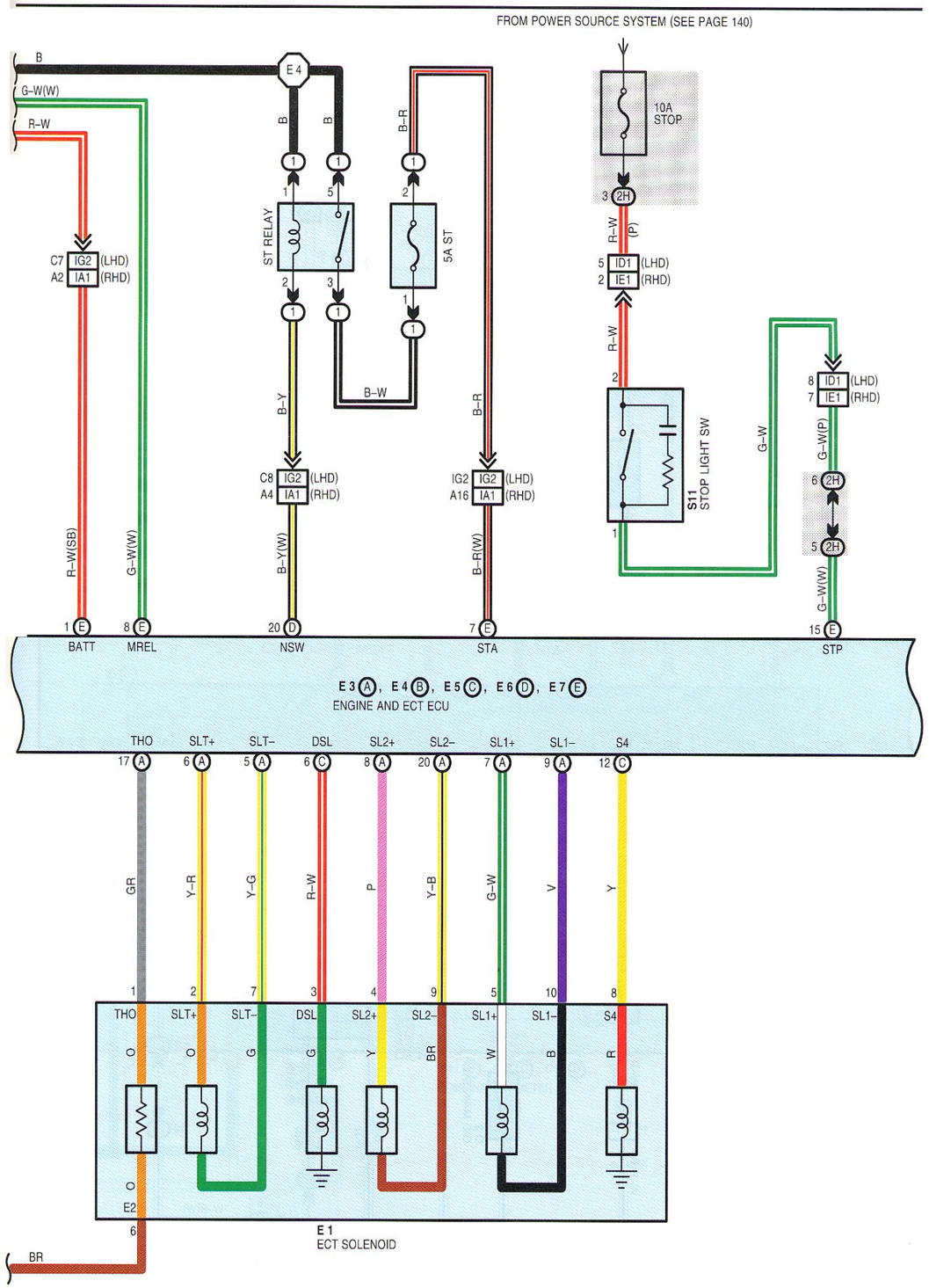
Code	See Page	Code	See Page	Code	See Page
C14	92 (LHD)	H9	89 (LHD 1AZ–FE)	H10	99 (RHD 1AZ–FE)
	102 (RHD)		91 (LHD 1ZZ–FE)		101 (RHD 1ZZ–FE)
F13	88 (LHD 1AZ–FE)		99 (RHD 1AZ–FE)	J6	93 (LHD)
	90 (LHD 1ZZ–FE)		101 (RHD 1ZZ–FE)		103 (RHD)
	98 (RHD 1AZ–FE)	H10	89 (LHD 1AZ–FE)		
	100 (RHD 1ZZ–FE)		91 (LHD 1ZZ–FE)		

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

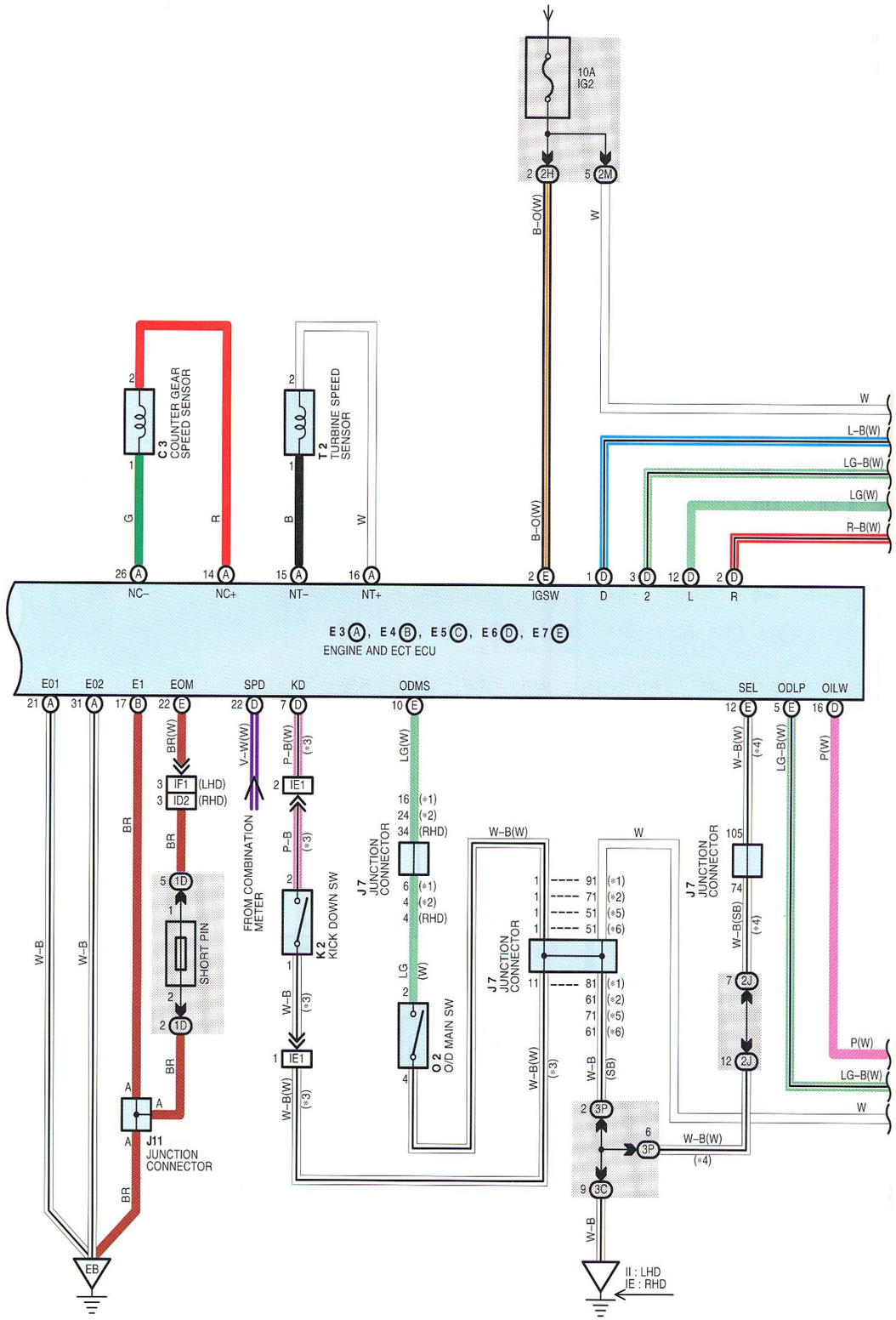
Code	See Page	Junction Block and Wire Harness (Connector Location)
2D	82	Engine Room Main Wire and Driver Side J/B (Lower Finish Panel)
2E		
2J	83	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)

ECT AND A/T INDICATOR

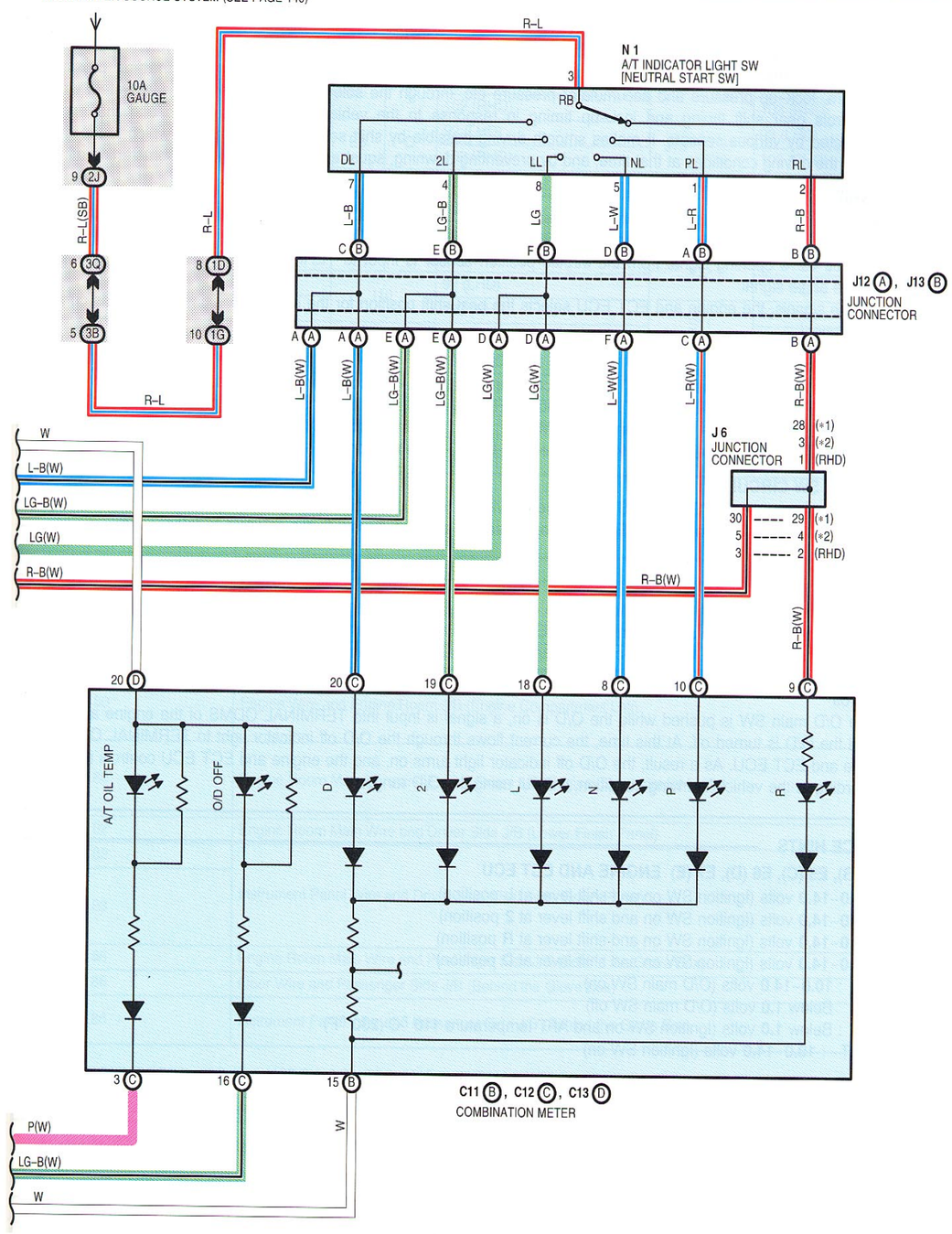




ECT AND A/T INDICATOR



* 1 : LHD W/ SRS
* 2 : LHD W/O SRS
* 3 : LHD EUROPE
* 4 : RHD EUROPE
* 5 : RHD W/ SRS
* 6 : RHD W/O SRS



ECT AND A/T INDICATOR

SYSTEM OUTLINE

Previous automatic transaxle have selected each gear shift using mechanically controlled throttle hydraulic pressure, governor hydraulic pressure and lock-up hydraulic pressure. The ECT, however, electrically controls the line pressure, throttle pressure, lock-up pressure and accumulator pressure etc. through the solenoid valve. The ECT is a system which precisely controls gear shift timing and lock-up timing in response to the vehicle's driving conditions and the engine condition detected by various sensors. It makes smooth driving possible by shift selection for each gear which is the most appropriate to the driving conditions at that time, and by preventing downing, squat and gear shift shock when starting off.

1. GEAR SHIFT OPERATION

When driving, the engine warm up condition is input as a signal to TERMINAL THW of the engine and ECT ECU from the EFI water temp. sensor and the vehicle speed signal is input to TERMINAL SPD of the engine and ECT ECU. At the same time, the throttle valve opening signal from the throttle position sensor is input to TERMINAL VTA of the engine and ECT ECU as throttle angle signal.
Based on these signals, the engine and ECT ECU selects the best shift position for the driving conditions and sends current to the ECT solenoid.

2. LOCK-UP OPERATION

When each signal makes engine and ECT ECU recognize that LOCK-UP condition is satisfied, the current flows from engine and ECT ECU TERMINAL DSL to ECT solenoid TERMINAL DSL. At the same time, the current flows engine and ECT ECU TERMINAL SL1+ to ECT solenoid TERMINAL SL1+ and from TERMINAL SL1- to engine and ECT ECU TERMINAL SL1-. This works LOCK-UP solenoid to perform LOCK-UP operation.

3. STOP LIGHT SW CIRCUIT

If the brake pedal is depressed (Stop light SW on) when driving in lock-up condition, a signal is input to TERMINAL STP of the engine and ECT ECU. The engine and ECT ECU operates and cuts the current to the solenoid to release lock-up.

4. OVERDRIVE CIRCUIT

* Overdrive on
  When the engine is turned on from ignition off, the engine and ECT ECU turns the O/D on. When the O/D main SW is pushed while the O/D is off, a signal is input into TERMINAL ODMS of the engine and ECT ECU, and the O/D is turned on by the engine and ECT ECU. In this case, the engine and ECT ECU controls the gear shift according to the vehicle's driving condition, using the O/D range. At this time, the O/D off indicator light is off.
* Overdrive off
  When the O/D main SW is pushed while the O/D is on, a signal is input into TERMINAL ODMS of the engine and ECT ECU, and the O/D is turned off. At this time, the current flows through the O/D off indicator light to TERMINAL ODMS of the engine and ECT ECU. As a result, the O/D off indicator light turns on, and the engine and ECT ECU controls the gear shift according to the vehicle's driving condition, without using the O/D range.

SERVICE HINTS

E3 (A), E4 (B), E5 (C), E6 (D), E7 (E) ENGINE AND ECT ECU

L-E1 : **10.0-14.0** volts (Ignition SW on and shift lever at **L** position)
2-E1 : **10.0-14.0** volts (Ignition SW on and shift lever at **2** position)
R-E1 : **10.0-14.0** volts (Ignition SW on and shift lever at **R** position)
D-E1 : **10.0-14.0** volts (Ignition SW on and shift lever at **D** position)
ODMS-E1 : **10.0-14.0** volts (O/D main SW on)
Below **1.0** volts (O/D main SW off)
THO-E2 : Below **1.0** volts (Ignition SW on and AFT temperature **110** °C (**230** °F)
SLT+ -SLT- : **10.0-14.0** volts (Ignition SW on)

N1 A/T INDICATOR LIGHT SW [NEUTRAL START SW]

3-1 : Closed with shift lever in **P** position
3-2 : Closed with shift lever in **R** position
3-5 : Closed with shift lever in **N** position
3-7 : Closed with shift lever in **D** position
3-8 : Closed with shift lever in **L** position
3-4 : Closed with shift lever in **2** position

O2 O/D MAIN SW

2-4 : Closed with the O/D main SW off, open with the O/D main SW on

: PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
C3	88 (LHD 1AZ-FE)	E5 C	92 (LHD)	J12 A	93 (LHD)
	98 (RHD 1AZ-FE)		102 (RHD)		103 (RHD)
C11 B	92 (LHD)	E6 D	92 (LHD)	J13 B	93 (LHD)
	102 (RHD)		102 (RHD)		103 (RHD)
C12 C	92 (LHD)	E7 E	92 (LHD)	K2	93 (LHD)
	102 (RHD)		102 (RHD)	N1	89 (LHD 1AZ-FE)
C13 D	92 (LHD)	F14	88 (LHD 1AZ-FE)		99 (RHD 1AZ-FE)
	102 (RHD)		98 (RHD 1AZ-FE)	O2	93 (LHD)
E1	88 (LHD 1AZ-FE)	I10	92 (LHD)		103 (RHD)
	98 (RHD 1AZ-FE)		102 (RHD)	S11	93 (LHD)
E2	88 (LHD 1AZ-FE)	J6	93 (LHD)		103 (RHD)
	98 (RHD 1AZ-FE)		103 (RHD)	T1	89 (LHD 1AZ-FE)
E3 A	92 (LHD)	J7	93 (LHD)		99 (RHD 1AZ-FE)
	102 (RHD)		103 (RHD)	T2	89 (LHD 1AZ-FE)
E4 B	92 (LHD)	J11	93 (LHD)		99 (RHD 1AZ-FE)
	102 (RHD)		103 (RHD)		

: RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
1	79	Engine Room R/B (Engine Compartment Left)

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	80	Engine Wire and Engine Room J/B (Engine Compartment Left)
1C		
1D		
1E	80	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
1F		
1G		
2C	82	Engine Room Main Wire and Driver Side J/B (Lower Finish Panel)
2G	82	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)
2H	83	
2J		
2M		
3B	86	Engine Room Main Wire and Passenger Side J/B (Behind the Glove Box)
3C	86	Floor Wire and Passenger Side J/B (Behind the Glove Box)
3P	86	Instrument Panel Wire and Passenger Side J/B (Behind the Glove Box)
3Q		

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	112 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)
	124 (RHD)	
ID1	112 (LHD)	Instrument Panel Wire and Switch Wire (Near the Driver Side J/B)
ID2	124 (RHD)	Engine Wire and Instrument Panel Wire (Near the Passenger Side J/B)
IE1	114 (LHD)	Instrument Panel Wire and Switch No.2 Wire (Left Side of Instrument Panel Brace)
	126 (RHD)	Instrument Panel Wire and Switch Wire (Near the Driver Side J/B)
IF1	114 (LHD)	Engine Wire and Instrument Panel Wire (Near the Passenger Side J/B)
IG2	114 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Right Kick Panel)

ECT AND A/T INDICATOR

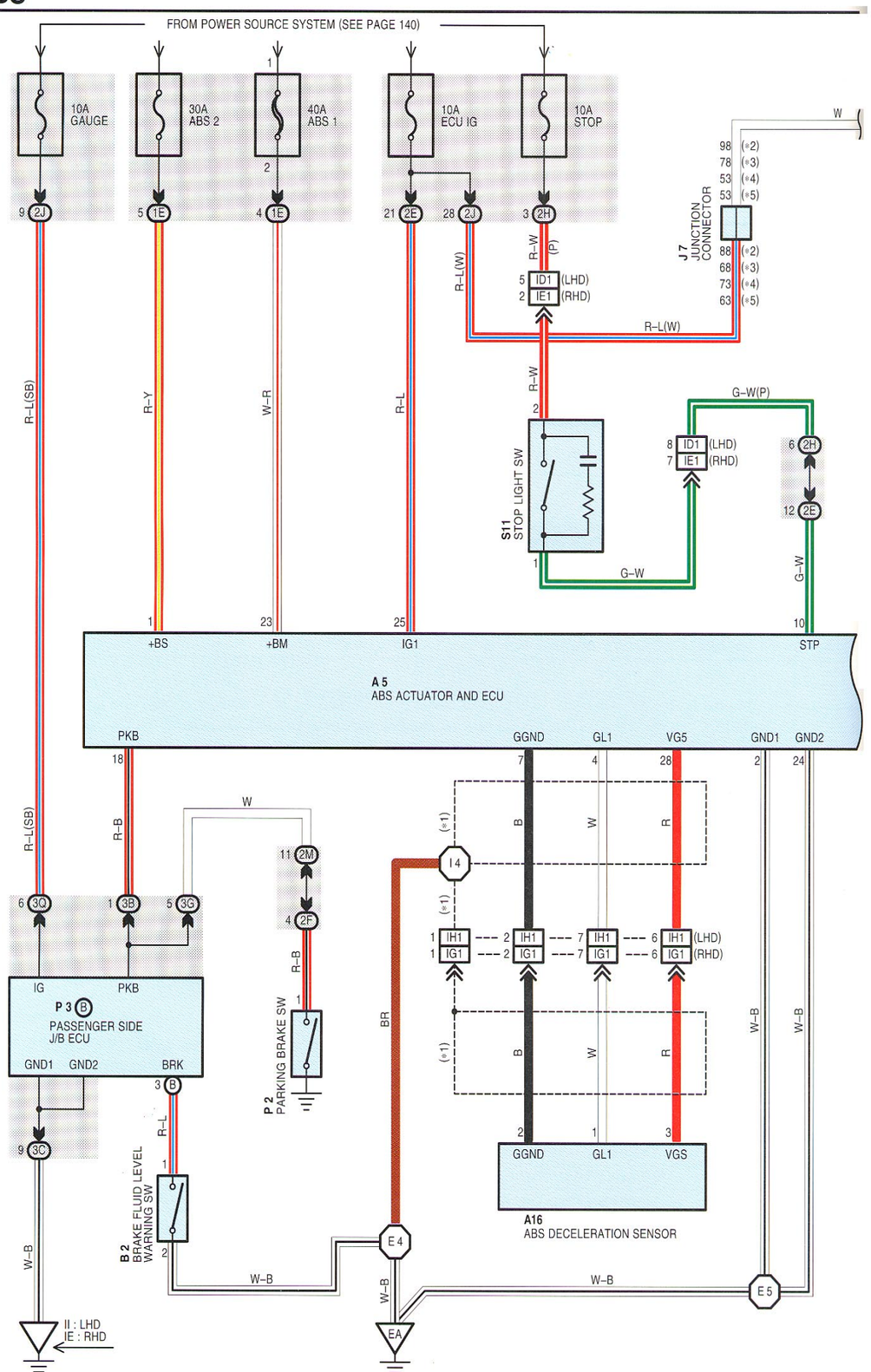
▽ : **GROUND POINTS**

Code	See Page	Ground Points Location
EA	108 (LHD 1AZ-FE)	Front Right Side of Fender Apron
EB	108 (LHD 1AZ-FE)	Intake Side of Cylinder Block
	120 (RHD 1AZ-FE)	
EC	108 (LHD 1AZ-FE)	Left Side of Cylinder Head
	120 (RHD 1AZ-FE)	
ED	120 (RHD 1AZ-FE)	Front Left Side of Fender Apron
IE	124 (RHD)	Left Kick Panel
II	112 (LHD)	Right Kick Panel

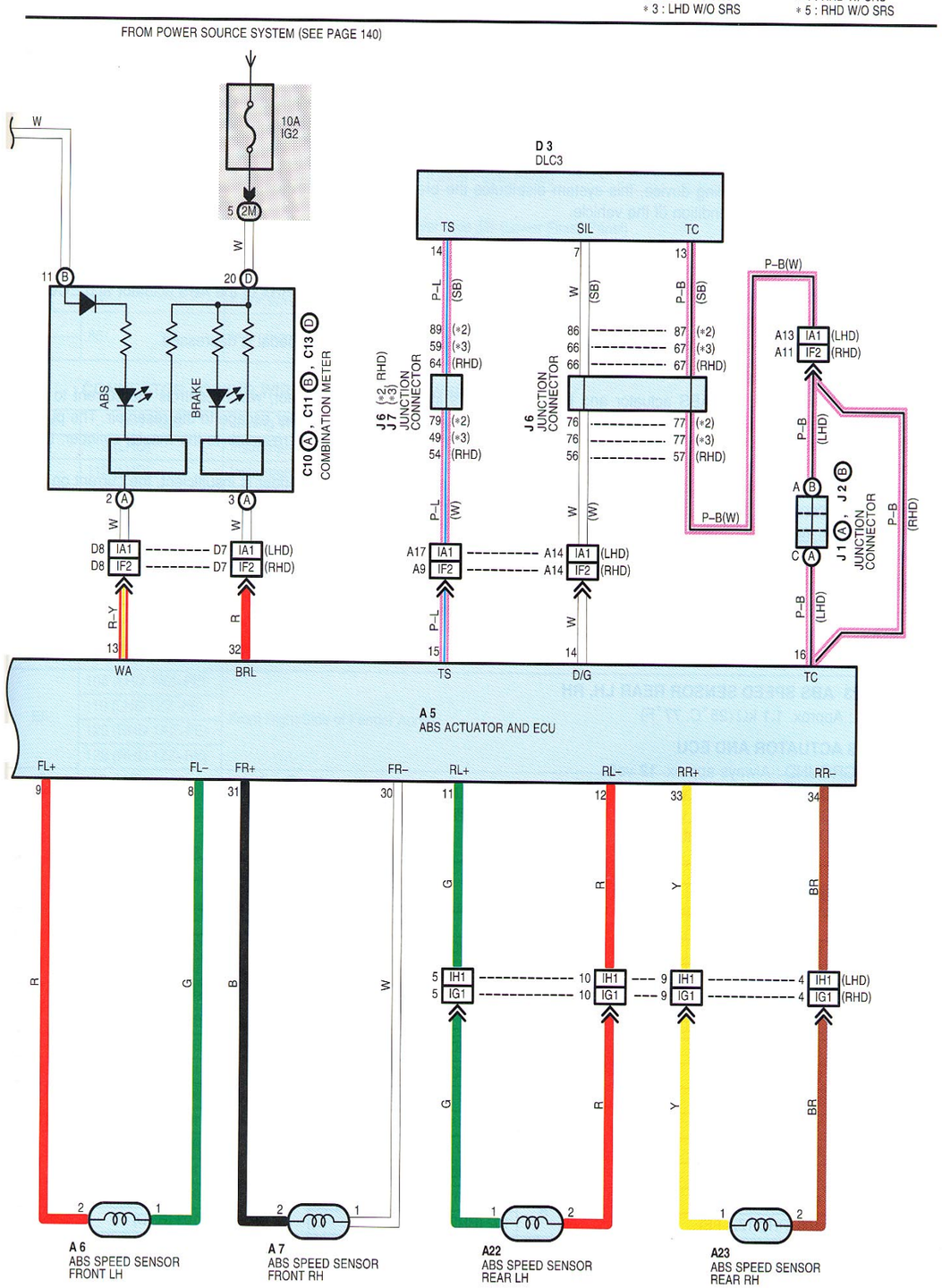
○ : **SPLICE POINTS**

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E4	108 (LHD 1AZ-FE)	Engine Room Main Wire	I3	114 (LHD)	Engine Wire
	120 (RHD 1AZ-FE)			126 (RHD)	

ABS



* 1 : SHIELDED
* 2 : LHD W/ SRS
* 3 : LHD W/O SRS
* 4 : RHD W/ SRS
* 5 : RHD W/O SRS



ABS

SYSTEM OUTLINE

* ABS system

This system controls the respective brake fluid pressures acting on the disc brake cylinders of the right front wheel, left front wheel and rear wheels when the brakes are applied in a panic stop so that the wheels do not lock. This results in improved directional stability and steerability during panic braking.

* Front and rear braking force distribution system

Using the hydraulic controlling device, this system distributes the braking force to the front and rear wheel in appropriately according to the running condition of the vehicle.

1. INPUT SIGNALS

(1) Speed sensor signal

The speed of the wheels is detected and input to TERMINALS FL+, FR+, RL+ and RR+ of the ABS actuator and ECU.

(2) Stop light SW signal

A signal is input to TERMINAL STP of the ABS actuator and ECU when the brake pedal is depressed.

2. SYSTEM OPERATION

During sudden braking the ABS actuator and ECU has signals input from each sensor, which controls the current to the solenoid inside the actuator and lets the hydraulic pressure acting on each wheel cylinder escape to the reservoir. The pump inside the actuator is also operating at this time and it returns the brake fluid from the reservoir to the master cylinder, thus preventing locking of the vehicle wheels.

If the ABS actuator and ECU judges that the hydraulic pressure acting on the wheel cylinder is insufficient, the current on the solenoid is controlled and the hydraulic pressure is increased. Holding of the hydraulic pressure is also controlled by the ABS actuator and ECU, by the same method as above. Pressure reduction, holding and increase are repeated to maintain vehicle stability and to improve steerability during sudden braking.

SERVICE HINTS

A6, A7 ABS SPEED SENSOR FRONT LH, RH

2-1 : Approx. **1.6** kΩ (**20**°C, **68**°F)

A22, A23 ABS SPEED SENSOR REAR LH, RH

1-2 : Approx. **1.1** kΩ (**25**°C, **77**°F)

A5 ABS ACTUATOR AND ECU

1, 23-GROUND : Always approx. **12** volts

25-GROUND : Approx. **12** volts with the ignition SW at **ON** position

10-GROUND : Approx. **12** volts with the brake pedal depressed

2, 24-GROUND : Always continuity

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
A5	88 (LHD 1AZ-FE)	A22	104 (RHD 5-Door)	D3	92 (LHD)
	90 (LHD 1ZZ-FE)		106 (RHD 3-Door)		102 (RHD)
	98 (RHD 1AZ-FE)	A23	94 (LHD 5-Door)	J1 A	93 (LHD)
	100 (RHD 1ZZ-FE)		96 (LHD 3-Door)	J2 B	93 (LHD)
A6	88 (LHD 1AZ-FE)		104 (RHD 5-Door)	J6	93 (LHD)
	90 (LHD 1ZZ-FE)		106 (RHD 3-Door)		103 (RHD)
	98 (RHD 1AZ-FE)	B2	88 (LHD 1AZ-FE)	J7	93 (LHD)
	100 (RHD 1ZZ-FE)		90 (LHD 1ZZ-FE)		103 (RHD)
A7	88 (LHD 1AZ-FE)		98 (RHD 1AZ-FE)	P2	93 (LHD)
	90 (LHD 1ZZ-FE)		100 (RHD 1ZZ-FE)		103 (RHD)
	98 (RHD 1AZ-FE)	C10 A	92 (LHD)	P3 B	93 (LHD)
	100 (RHD 1ZZ-FE)		102 (RHD)		103 (RHD)
A16	92 (LHD)	C11 B	92 (LHD)	S11	93 (LHD)
	102 (RHD)		102 (RHD)		103 (RHD)
A22	94 (LHD 5-Door)	C13 D	92 (LHD)		
	96 (LHD 3-Door)		102 (RHD)		

⬭ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1E	80	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2E	82	Engine Room Main Wire and Driver Side J/B (Lower Finish Panel)
2F	82	Floor Wire and Driver Side J/B (Lower Finish Panel)
2H	83	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)
2J		
2M		
3B	86	Engine Room Main Wire and Passenger Side J/B (Behind the Glove Box)
3C	86	Floor Wire and Passenger Side J/B (Behind the Glove Box)
3G	86	Instrument Panel Wire and Passenger Side J/B (Behind the Glove Box)
3Q		

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	112 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)
ID1	112 (LHD)	Instrument Panel Wire and Switch Wire (Near the Driver Side J/B)
IE1	126 (RHD)	Instrument Panel Wire and Switch Wire (Near the Driver Side J/B)
IF2	126 (RHD)	Instrument Panel Wire and Engine Room Main Wire (Right Kick Panel)
IG1	126 (RHD)	Engine Room Main Wire and Floor Wire (Right Kick Panel)
IH1	114 (LHD)	Engine Room Main Wire and Floor Wire (Right Kick Panel)

▽ : GROUND POINTS

Code	See Page	Ground Points Location
EA	108 (LHD 1AZ-FE)	Front Right Side of Fender Apron
	110 (LHD 1ZZ-FE)	
	120 (RHD 1AZ-FE)	
	122 (RHD 1ZZ-FE)	
IE	112 (LHD)	Left Kick Panel
II	112 (LHD)	Right Kick Panel

⯃ : SPLICE POINTS

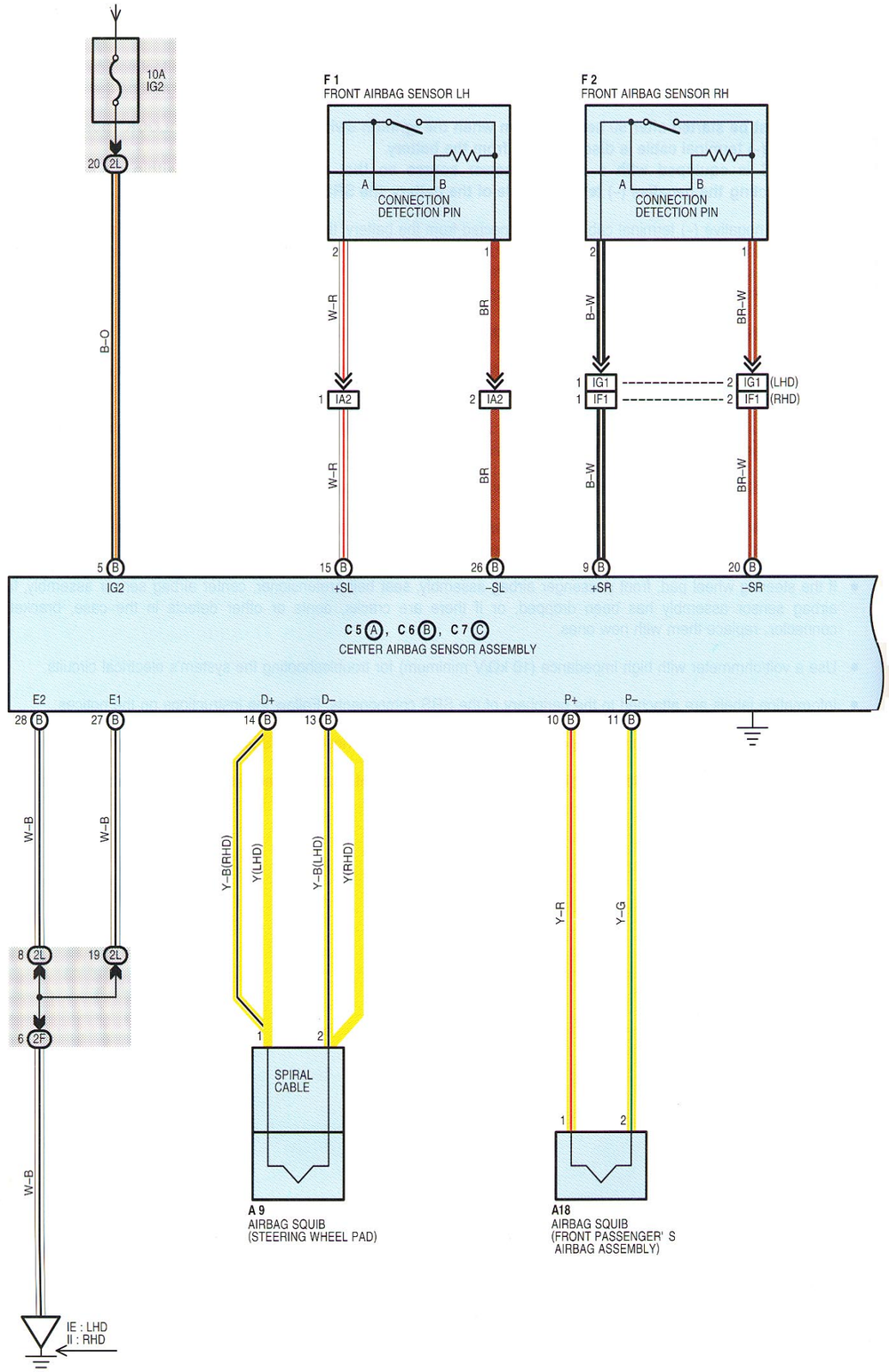
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E4	108 (LHD 1AZ-FE)	Engine Room Main Wire	E5	110 (LHD 1ZZ-FE)	Engine Room Main Wire
	110 (LHD 1ZZ-FE)			120 (RHD 1AZ-FE)	
	120 (RHD 1AZ-FE)			122 (RHD 1ZZ-FE)	
	122 (RHD 1ZZ-FE)		I4	114 (LHD)	
E5	108 (LHD 1AZ-FE)			126 (RHD)	

NOTICE: When inspecting or repairing the SRS, perform the operation in accordance with the following precautionary instructions and the procedure and precautions in the Repair Manual for the applicable model year.

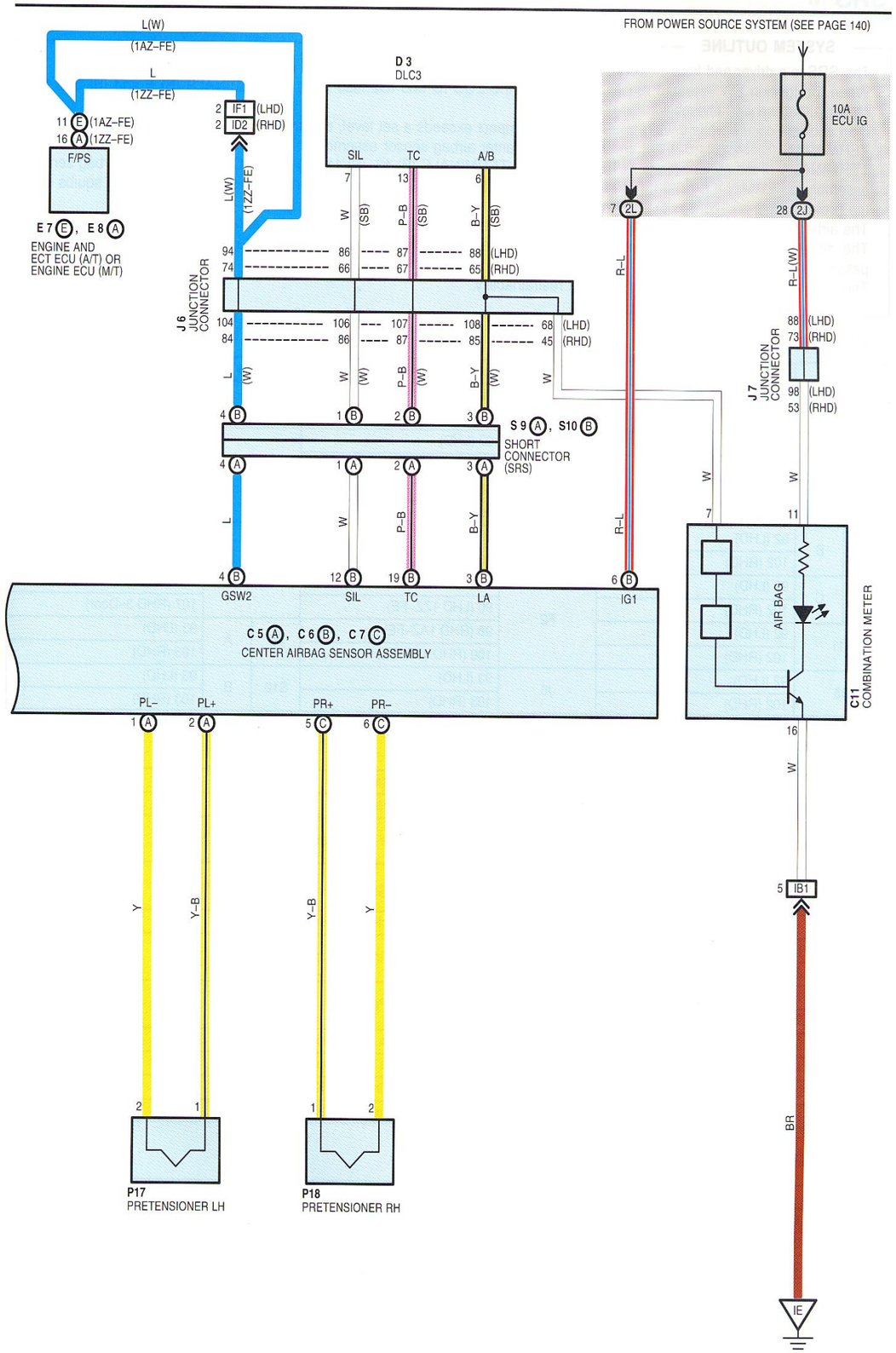
- Malfunction symptoms of the SRS are difficult to confirm, so the DTCs become the most important source of information when troubleshooting. When troubleshooting the SRS, always inspect the DTCs before disconnecting the battery.
- **Work must be started after 90 seconds from when the ignition switch is turned to the "LOCK" position and the negative (–) terminal cable is disconnected from the battery.**
  (The SRS is equipped with a back-up power source so that if work is started within 90 seconds from disconnecting the negative (–) terminal cable of the battery, the SRS may be deployed.)
- When the negative (–) terminal cable is disconnected from the battery, the memory of the clock and audio system will be canceled. So before starting work, make a record of the contents memorized in the audio memory system. When work is finished, reset the audio systems as they were before and adjust the clock. To avoid erasing the memory in each memory system, never use a back-up power supply from outside the vehicle.
- Before repairs, remove the airbag sensor if shocks are likely to be applied to the sensor during repairs.
- Do not expose the steering wheel pad, front passenger airbag assembly, seat belt pretensioner, center airbag sensor assembly, front airbag sensor assembly directly to hot air or flames.
- Even in cases of a minor collision where the SRS does not deploy, the steering wheel pad, front passenger airbag assembly, seat belt pretensioner, center airbag sensor assembly, front airbag sensor assembly should be inspected.
- Never use SRS parts from another vehicle. When replacing parts, replace them with new parts.
- Never disassemble and repair the steering wheel pad, front passenger airbag assembly, seat belt pretensioner, center airbag sensor assembly, front airbag sensor assembly in order to reuse it.
- If the steering wheel pad, front passenger airbag assembly, seat belt pretensioner, center airbag sensor assembly, front airbag sensor assembly has been dropped, or if there are cracks, dents or other defects in the case, bracket or connector, replace them with new ones.
- Use a volt/ohmmeter with high impedance (10 kΩ/V minimum) for troubleshooting the system's electrical circuits.
- Information labels are attached to the periphery of the SRS components. Follow the instructions on the notices.
- After work on the SRS is completed, perform the SRS warning light check or SRS side airbag warning light check.
- If the vehicle is equipped with a mobile communication system, refer to the precaution in the IN section of the Repair Manual.

SRS

FROM POWER SOURCE SYSTEM (SEE PAGE 140)



FROM POWER SOURCE SYSTEM (SEE PAGE 140)



SYSTEM OUTLINE

The SRS is a driver and front passenger protection device which has a supplemental role to the seat belts.
When the ignition SW is turned to ON, current from the ECU IG and IG2 fuse flows to TERMINALS (B) 6 and (B) 5 of the center airbag sensor assembly.
If an accident occurs while driving, when the frontal impact exceeds a set level, current from the ECU IG or IG2 fuse flows to TERMINALS (B) 14, (B) 10, (A) 2 and (C) 5 of the center airbag sensor assembly to TERMINAL 1 of the airbag squibs and TERMINAL 1 of the pretensioners to TERMINAL 2 to TERMINALS (B) 13, (B) 11, (A) 1 and (C) 6 of the center airbag sensor assembly to TERMINALS (B) 28, (B) 27 or BODY GROUND to GROUND, so that current flows to the front airbag squibs and the pretensioners and causes them to operate.
The airbag stored inside the steering wheel pad is instantaneously expanded to soften the shock to the driver.
The airbag stored inside the passenger's instrument panel is instantaneously expanded to soften the shock to the front passenger.
The pretensioners make sure of the seat belt restrainability.

○ : PARTS LOCATION

Code		See Page
A9		88 (LHD 1AZ-FE)
		98 (RHD 1AZ-FE)
A18		92 (LHD)
		102 (RHD)
C5	A	92 (LHD)
		102 (RHD)
C6	B	92 (LHD)
		102 (RHD)
C7	C	92 (LHD)
		102 (RHD)
C11		92 (LHD)
		102 (RHD)
D3		92 (LHD)
		102 (RHD)

Code		See Page
E7	E	92 (LHD)
		102 (RHD)
E8	A	92 (LHD)
		102 (RHD)
F1		88 (LHD 1AZ-FE)
		90 (LHD 1ZZ-FE)
		98 (RHD 1AZ-FE)
		100 (RHD 1ZZ-FE)
F2		88 (LHD 1AZ-FE)
		90 (LHD 1ZZ-FE)
		98 (RHD 1AZ-FE)
		100 (RHD 1ZZ-FE)
J6		93 (LHD)
		103 (RHD)

Code		See Page
J7		93 (LHD)
		103 (RHD)
P17		95 (LHD 5-Door)
		97 (LHD 3-Door)
		105 (RHD 5-Door)
		107 (RHD 3-Door)
P18		95 (LHD 5-Door)
		97 (LHD 3-Door)
		105 (RHD 5-Door)
		107 (RHD 3-Door)
S9	A	93 (LHD)
		103 (RHD)
S10	B	93 (LHD)
		103 (RHD)

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
2F	82	Floor Wire and Driver Side J/B (Lower Finish Panel)
2J	83	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)
2L		

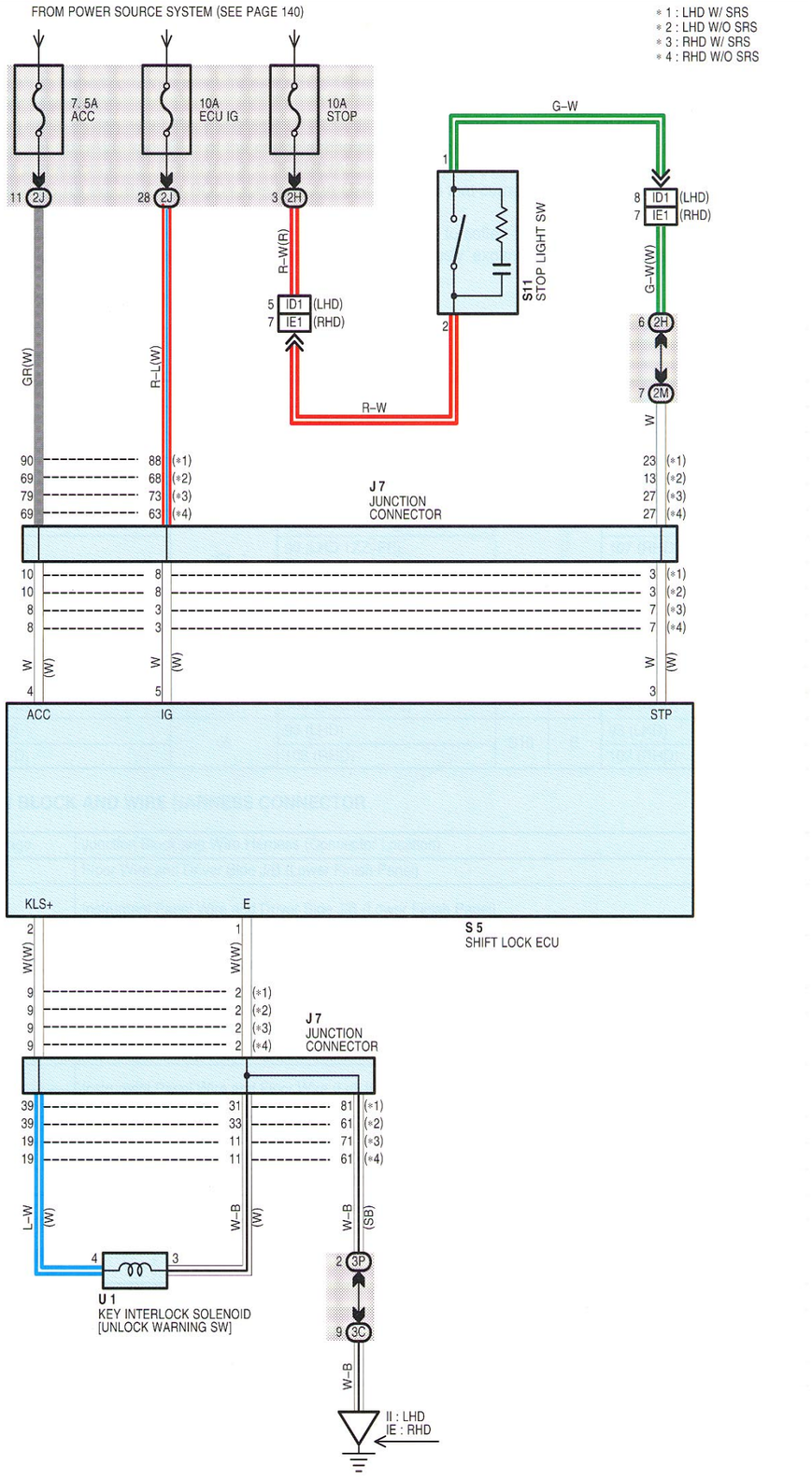
: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA2	112 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)
	124 (RHD)	
IB1	112 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	124 (RHD)	
ID2	124 (RHD)	Engine Wire and Instrument Panel Wire (Near the Passenger Side J/B)
IF1	114 (LHD)	Engine Wire and Instrument Panel Wire (Near the Passenger Side J/B)
	126 (RHD)	Instrument Panel Wire and Engine Room Main Wire (Right Kick Panel)
IG1	114 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Right Kick Panel)

▽ : GROUND POINTS

Code	See Page	Ground Points Location
IE	112 (LHD)	Left Kick Panel
	124 (RHD)	
II	124 (RHD)	Right Kick Panel

SHIFT LOCK



SYSTEM OUTLINE

When the ignition SW is at ACC position, the current flows from ACC fuse to shift lock ECU TERMINAL ACC, and at ON position, the current flows from ECU IG fuse to shift lock ECU TERMINAL 5.

1. SHIFT LOCK MECHANISM

When the signal that the brake pedal is depressed (Stop light SW ON) and the shift lever is placed in P position is input into the shift lock ECU, the current flows from TERMINAL E to GROUND. As a result, the shift lock solenoid is turned on (Plate stopper is released) and the shift lever can be placed in a position other than P position.

2. KEY INTERLOCK MECHANISM

When the shift lever is placed to P position with the ignition SW ON or at ACC position, the current from shift lock ECU to key interlock solenoid is cut off. As a result, the key interlock solenoid is turned off (The lock lever is released from lock position) and the ignition key can be placed to LOCK position from ACC.

SERVICE HINTS

S5 SHIFT LOCK ECU

4-GROUND : Approx. **12** volts with the ignition SW at **ACC** or **ON** position
5-GROUND : Approx. **12** volts with the ignition SW at **ON** position
1-GROUND : Always continuity
3-GROUND : Approx. **12** volts with the brake pedal depressed

S11 STOP LIGHT SW

2-1 : Closed with the brake pedal depressed

: PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
J7	93 (LHD)	S5	103 (RHD)	U1	93 (LHD)
	103 (RHD)	S11	93 (LHD)		103 (RHD)
S5	93 (LHD)		103 (RHD)		

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
2H	83	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)
2J		
2M		
3C	86	Floor Wire and Passenger Side J/B (Behind the Glove Box)
3P	86	Instrument Panel Wire and Passenger Side J/B (Behind the Glove Box)

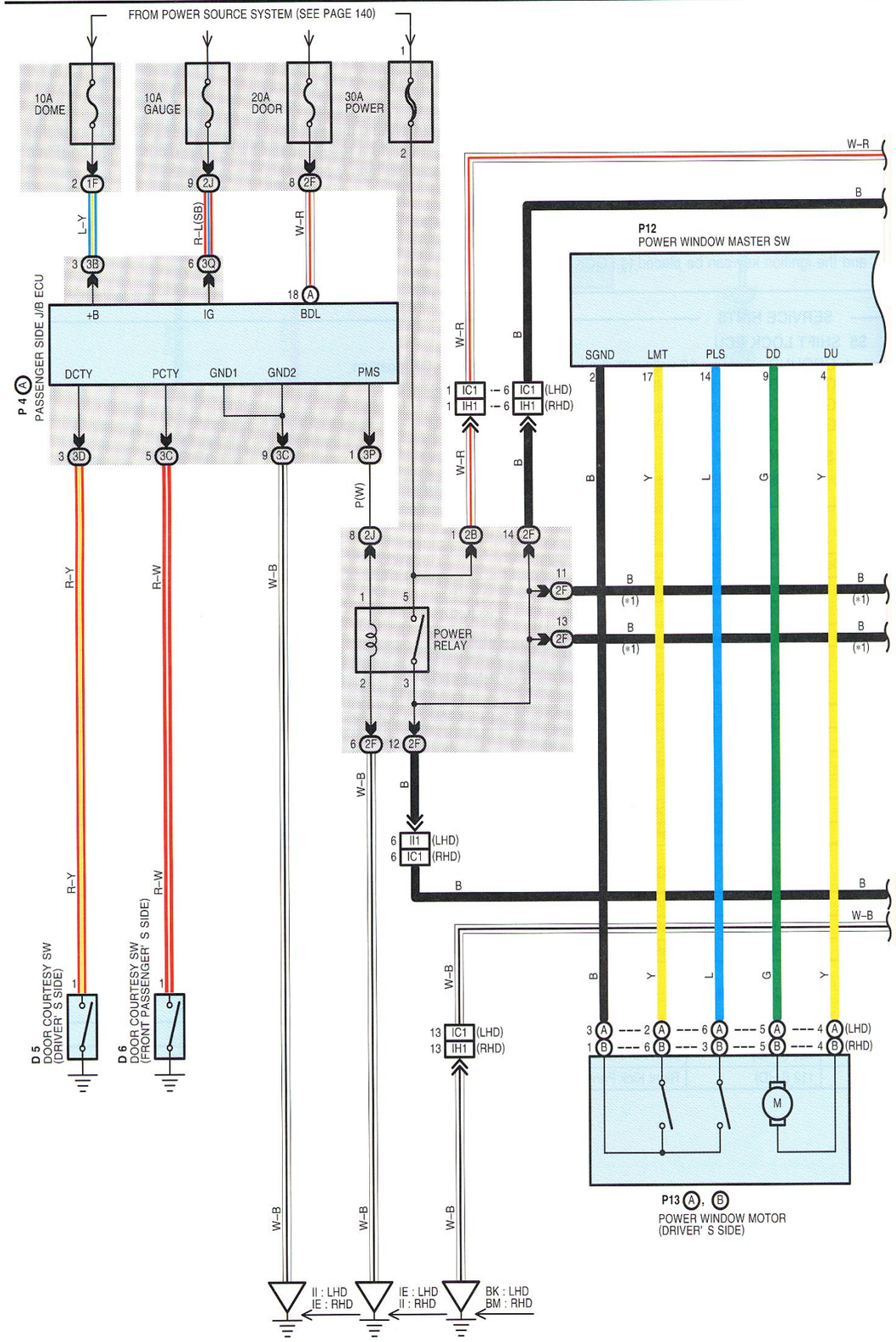
: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
ID1	112 (LHD)	Instrument Panel Wire and Switch Wire (Near the Driver Side J/B)
IE1	126 (RHD)	Instrument Panel Wire and Switch Wire (Near the Driver Side J/B)

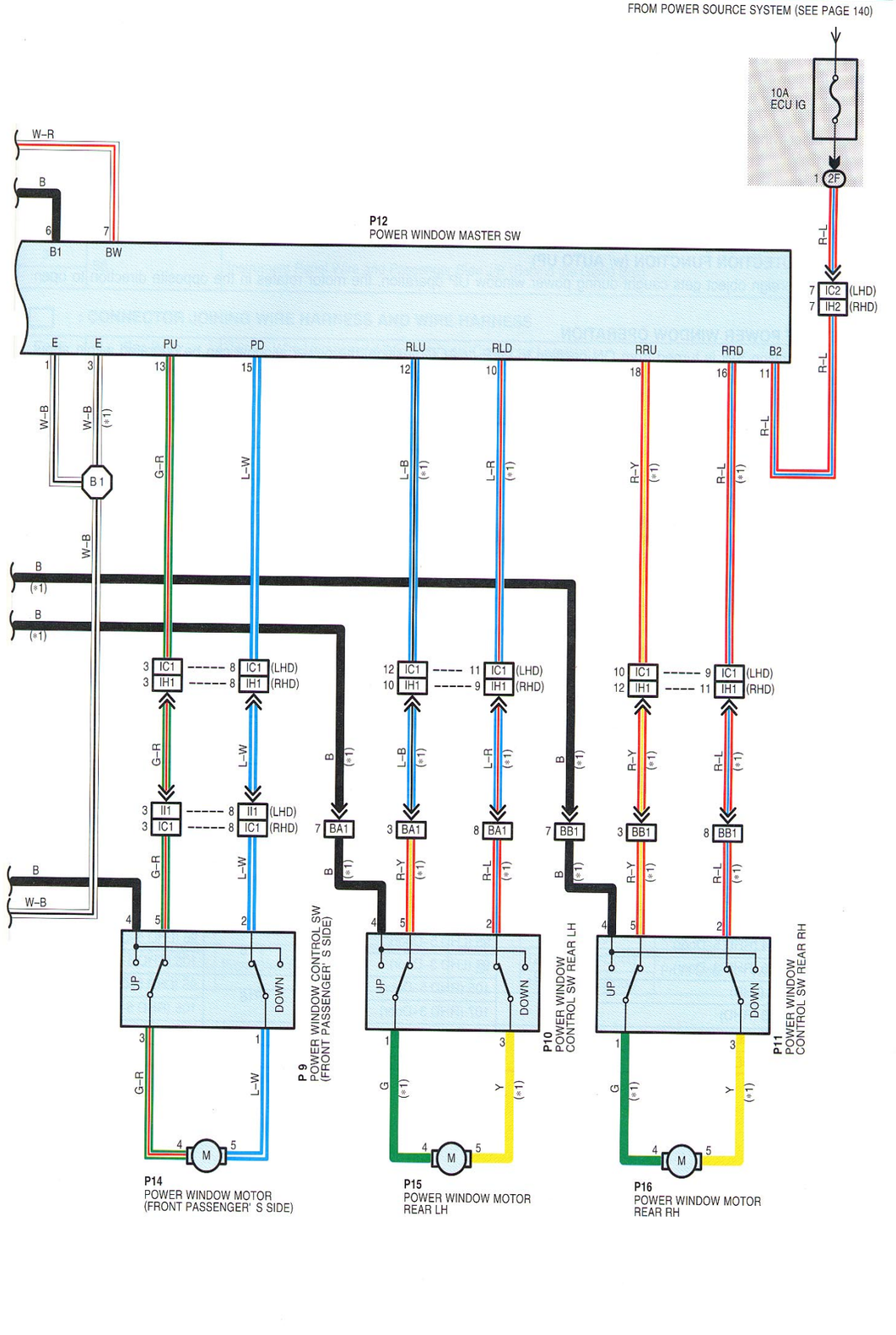
: GROUND POINTS

Code	See Page	Ground Points Location
IE	124 (RHD)	Left Kick Panel
II	112 (LHD)	Right Kick Panel

POWER WINDOW



* 1 : W/ REAR POWER WINDOW



POWER WINDOW

SYSTEM OUTLINE

1. MANUAL DOWN OR UP OPERATION

When the power window master SW (Driver's) is pushed one step, the motor rotates to open the window.
When the power window master SW (Driver's) is pulled up one step, the motor rotates in the opposite direction, to close the window.
All the other windows can be opened/closed as well, by the operation of the power window master SW or respective power window SW.

2. AUTO DOWN OR UP OPERATION

When the power window master SW (Driver's) is pushed two steps, the motor rotates to open the window automatically.
When the power window master SW (Driver's) is pulled up two steps, the motor rotates to close the window automatically.

3. JAM PROTECTION FUNCTION (w/ AUTO UP)

When any foreign object gets caught during power window UP operation, the motor rotates in the opposite direction to open the window.

4. KEY OFF POWER WINDOW OPERATION

When the ignition SW is turned from ON position to OFF or ACC position, the power window can be operated within about 40 seconds. However, even if it is within about 40 seconds, the power window can not be operated when each of the front doors opens.

SERVICE HINTS

P4 (A) PASSENGER SIDE J/B ECU

+B-GROUND : Always approx. **12** volts
BDL-GROUND : Always approx. **12** volts
IG-GROUND : Approx. **12** volts with the ignition SW at **ON** position
GND1-GROUND: Always continuity
GND2-GROUND: Always continuity

P12 POWER WINDOW MASTER SW

11-GROUND : Approx. **12** volts with ignition SW at **ON** position
7-GROUND : Always approx. **12** volts
1-GROUND : Always continuity
3-GROUND : Always continuity

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
D5	94 (LHD 5-Door)	P9	105 (RHD 5-Door)	P13 B	105 (RHD 5-Door)
	96 (LHD 3-Door)		107 (RHD 3-Door)		107 (RHD 3-Door)
	104 (RHD 5-Door)	P10	95 (LHD 5-Door)	P14	95 (LHD 5-Door)
	106 (RHD 3-Door)		105 (RHD 5-Door)		97 (LHD 3-Door)
D6	94 (LHD 5-Door)	P11	95 (LHD 5-Door)		105 (RHD 5-Door)
	96 (LHD 3-Door)		105 (RHD 5-Door)		107 (RHD 3-Door)
	104 (RHD 5-Door)	P12	95 (LHD 5-Door)	P15	95 (LHD 5-Door)
	106 (RHD 3-Door)		97 (LHD 3-Door)		105 (RHD 5-Door)
P4 A	93 (LHD)		105 (RHD 5-Door)	P16	95 (LHD 5-Door)
	103 (RHD)		107 (RHD 3-Door)		105 (RHD 5-Door)
P9	95 (LHD 5-Door)	P13 A	95 (LHD 5-Door)		
	97 (LHD 3-Door)		97 (LHD 3-Door)		

⬭ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1F	80	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2B	82	Floor Wire and Driver Side J/B (Lower Finish Panel)
2F		
2J	83	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)
3B	86	Engine Room Main Wire and Passenger Side J/B (Behind the Glove Box)
3C	86	Floor Wire and Passenger Side J/B (Behind the Glove Box)
3D		
3P	86	Instrument Panel Wire and Passenger Side J/B (Behind the Glove Box)
3Q		

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC1	112 (LHD)	Front Door LH Wire and Floor Wire (Left Kick Panel)
	124 (RHD)	
IC2	112 (LHD)	
IH1	126 (RHD)	Front Door RH Wire and Floor Wire (Right Kick Panel)
IH2		
II1	114 (LHD)	Front Door RH Wire and Floor Wire (Right Kick Panel)
BA1	116 (LHD 5-Door)	Rear Door LH Wire and Floor Wire (Left Side of Center Pillar)
	128 (RHD 5-Door)	
BB1	116 (LHD 5-Door)	Rear Door RH Wire and Floor Wire (Right Side of Center Pillar)
	128 (RHD 5-Door)	

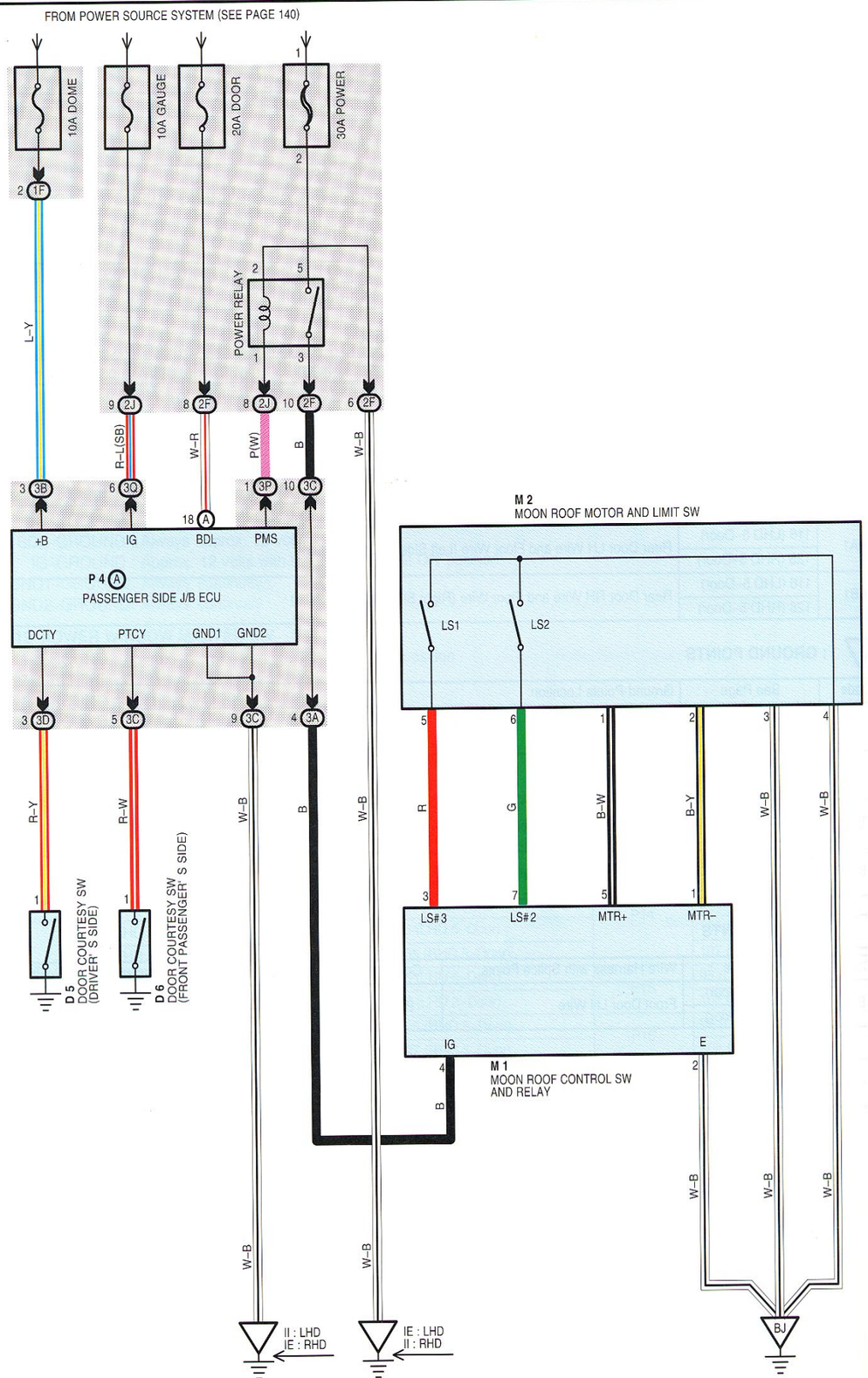
▽ : GROUND POINTS

Code	See Page	Ground Points Location
IE	112 (LHD)	Left Kick Panel
	124 (RHD)	
II	112 (LHD)	Right Kick Panel
	124 (RHD)	
BK	116 (LHD 5-Door)	Left Side of Quarter Panel
	118 (LHD 3-Door)	
BM	128 (RHD 5-Door)	Right Side of Quarter Panel
	130 (RHD 3-Door)	

⯃ : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
B1	116 (LHD 5-Door)	Front Door LH Wire	B1	128 (RHD 5-Door)	Front Door RH Wire
	118 (LHD 3-Door)			130 (RHD 3-Door)	

MOON ROOF



SYSTEM OUTLINE

The moon roof can be operated when the ignition SW is turned to ON position.

1. SLIDE OPEN OPERATION

The moon roof fully opens automatically by pressing the SLIDE OPEN button of the moon roof control SW once. If the moon roof control switch is pressed again when the moon roof is operating, the movement of the moon roof stops.
The operation of SLIDE OPEN is not worked when the moon roof at TILT UP position.

2. SLIDE CLOSE OPERATION

If you keep pressing the TILT UP button of the moon roof control SW when the moon roof is open, the moon roof closes half and stops the operation once. If you keep pressing the TILT UP once again, the moon roof fully closes.

3. TILT UP OPERATION

If you press the TILT UP button of the moon roof control SW, the moon roof is tilted up. However, the moon roof is not tilted up when it is open

4. TILT DOWN OPERATION

If you press the SLIDE OPEN button when the TILT UP of the moon roof control SW is pressed, the moon roof is tilted down.

5. KEY OFF MOON ROOF OPERATION

When the ignition SW is turned from ON position to OFF or ACC position, the moon roof can be operated within about 40 seconds. However, even if it is within about 40 seconds, the moon roof can not be operated when each of the front doors opens.

SERVICE HINTS

P4 (A) PASSENGER SIDE J/B ECU

+B–GROUND : Always approx. **12** volts
BDL–GROUND : Always approx. **12** volts
IG–GROUND : Approx. **12** volts with the ignition SW at **ON** position
GND1–GROUND : Always continuity
GND2–GROUND : Always continuity

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code		See Page
D5	94 (LHD 5–Door)	D6	104 (RHD 5–Door)	M2		95 (LHD 5–Door)
	96 (LHD 3–Door)		106 (RHD 3–Door)			97 (LHD 3–Door)
	104 (RHD 5–Door)	M1	95 (LHD 5–Door)			105 (RHD 5–Door)
	106 (RHD 3–Door)		97 (LHD 3–Door)			107 (RHD 3–Door)
D6	94 (LHD 5–Door)		105 (RHD 5–Door)	P4	A	93 (LHD)
	96 (LHD 3–Door)		107 (RHD 3–Door)			103 (RHD)

⬭ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

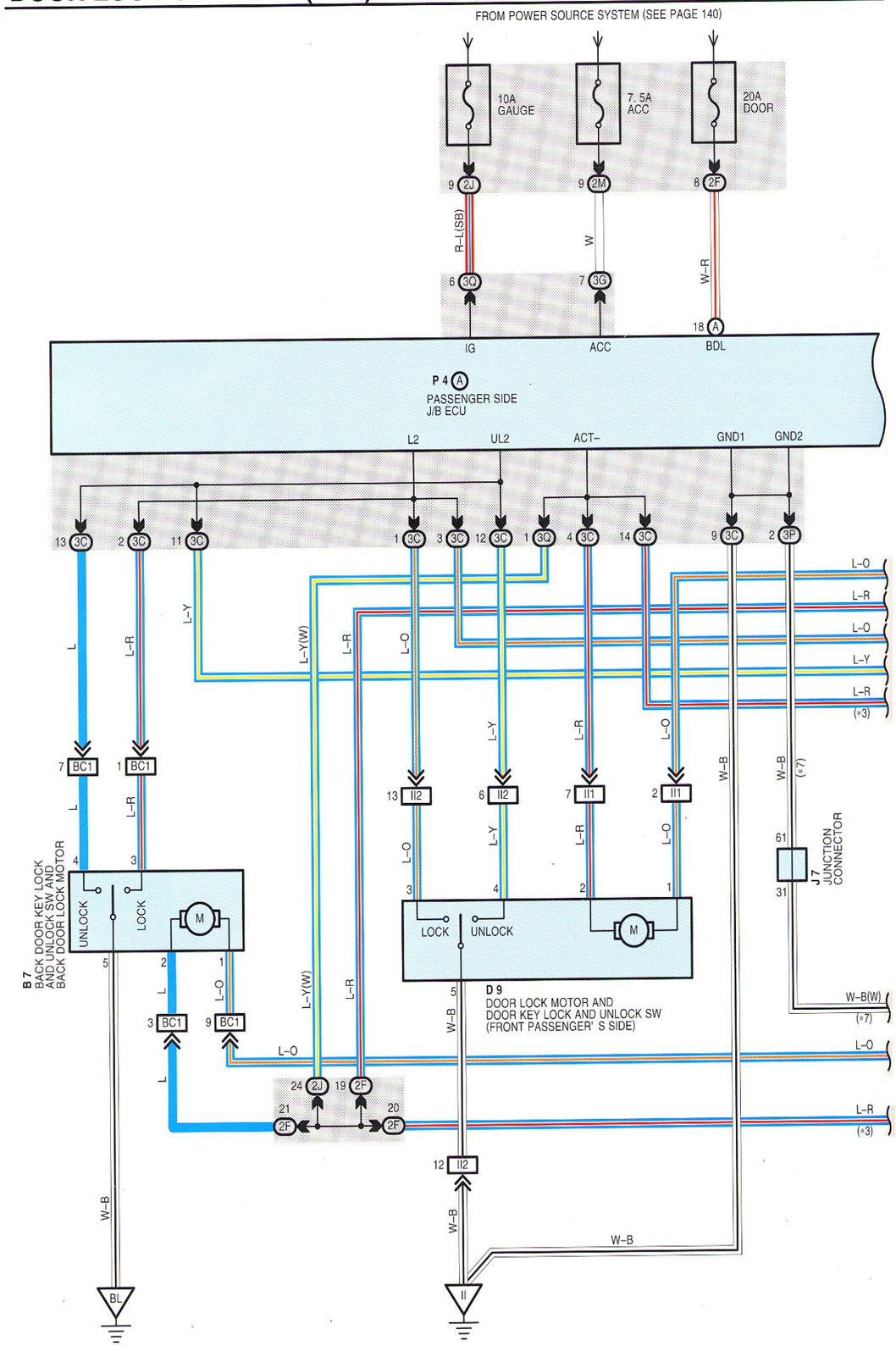
Code	See Page	Junction Block and Wire Harness (Connector Location)
1F	80	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2F	82	Floor Wire and Driver Side J/B (Lower Finish Panel)
2J	83	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)
3A	86	Roof Wire and Passenger Side J/B (Behind the Glove Box)
3B	86	Engine Room Main Wire and Passenger Side J/B (Behind the Glove Box)
3C	86	Floor Wire and Passenger Side J/B (Behind the Glove Box)
3D		
3P	86	Instrument Panel Wire and Passenger Side J/B (Behind the Glove Box)
3Q		

MOON ROOF

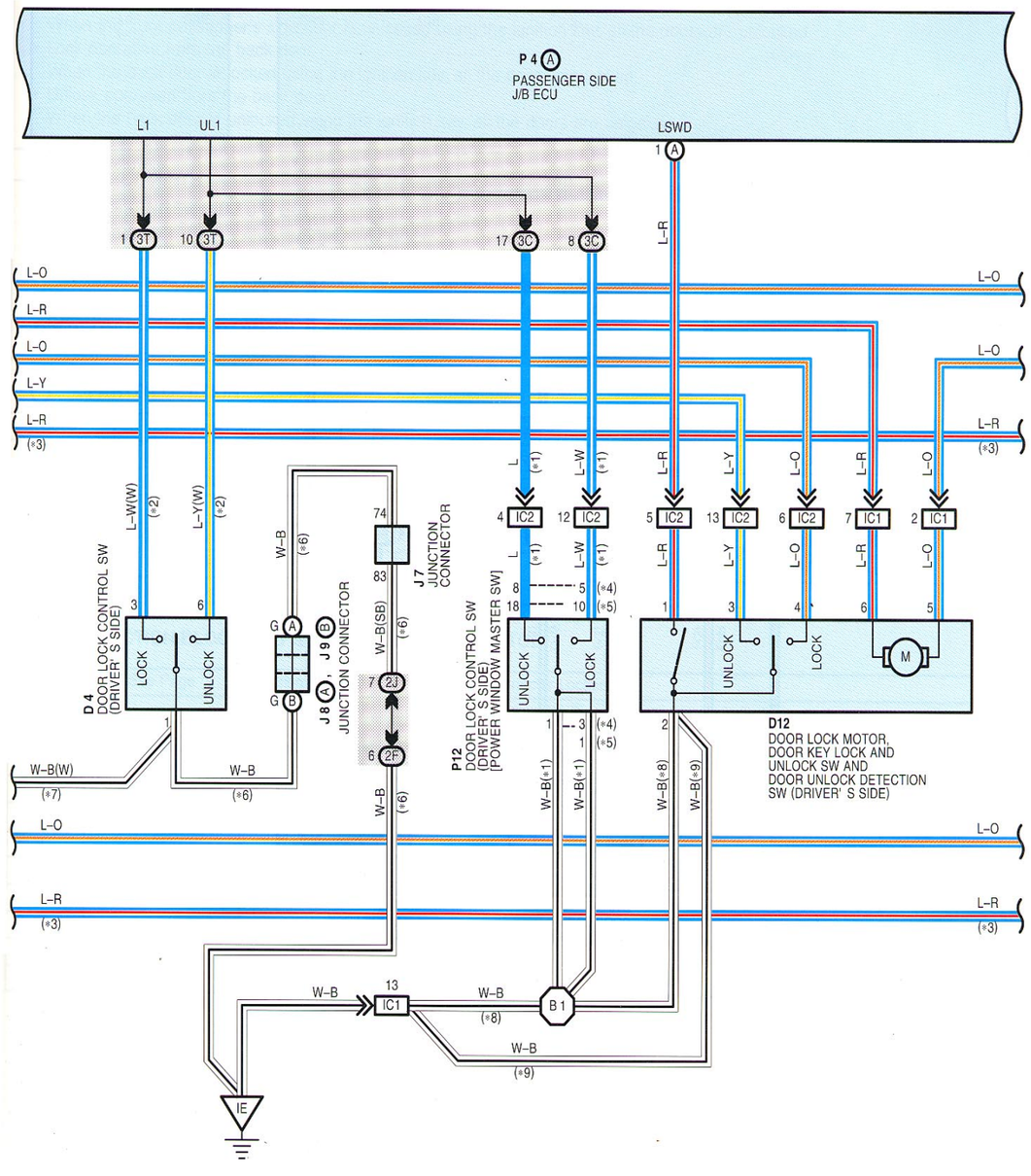
▽ : GROUND POINTS

Code	See Page	Ground Points Location
IE	112 (LHD)	Left Kick Panel
	124 (RHD)	
II	112 (LHD)	Right Kick Panel
	124 (RHD)	
BJ	116 (LHD 5-Door)	Behind the Moon Roof Control SW
	118 (LHD 3-Door)	
	128 (RHD 5-Door)	
	130 (RHD 3-Door)	

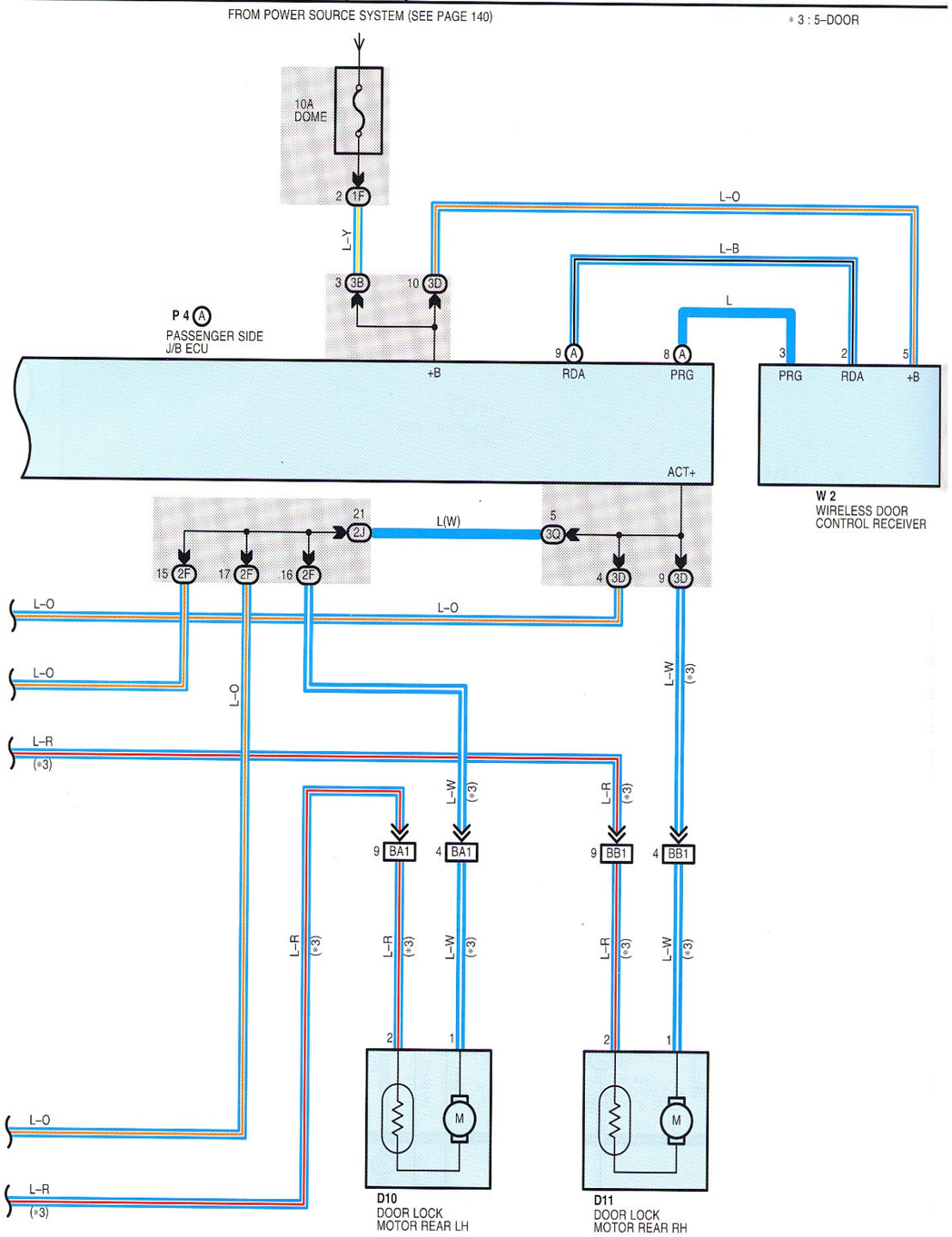
DOOR LOCK CONTROL (LHD)



* 1 : W/ POWER WINDOW
* 2 : W/O POWER WINDOW
* 3 : 5–DOOR
* 4 : W/ REAR POWER WINDOW
* 5 : W/O REAR POWER WINDOW
* 6 : W/ SRS AND W/O POWER WINDOW
* 7 : W/O SRS AND W/O POWER WINDOW
* 8 : 5–DOOR W/ POWER WINDOW OR 3–DOOR
* 9 : 5–DOOR W/O POWER WINDOW



DOOR LOCK CONTROL (LHD)



SYSTEM OUTLINE

1. MANUAL UNLOCK OPERATION

When the door lock control SW of the driver's or passenger's side door is pushed to UNLOCK, the door lock will unlock.

2. MANUAL LOCK OPERATION

When the door lock control SW of the driver's or passenger's side door is pushed to LOCK, the door lock will lock.

3. DOOR KEY LOCK AND UNLOCK OPERATION

* Lock operation from the driver's side door
  When the driver's side door is locked using the ignition key, all the doors are locked.
* Unlock operation from the driver's side door
  When the driver's side door is unlocked once using the ignition key, only the driver's side door is unlocked. If this operation is repeated within 3 seconds, all the other doors are unlocked.
* Lock operation from the front passenger's side door
  When the front passenger's side door is locked using the ignition key, all the doors are locked.
* Unlock operation from the front passenger's side door
  When the front passenger's side door is unlocked using the ignition key, all the doors are unlocked
* Lock operation from the back door
  When the back door is locked using the ignition key, all the doors are locked.
* Unlock operation from the back door
  When the back door is unlocked using the ignition key, all the doors are unlocked.

SERVICE HINTS

P4 (A) PASSENGER SIDE J/B ECU

BDL-GROUND : Always approx. **12** volts
+B-GROUND : Always approx. **12** volts
IG-GROUND : Approx. **12** volts with the ignition SW at **ON** position
ACC-GROUND : Approx. **12** volts with the ignition SW at **ACC** or **ON** position
GND1, GND2-GROUND : Always continuity

: PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
B7	94 (LHD 5-Door)	D11	94 (LHD 5-Door)	P4 A	93 (LHD)
	96 (LHD 3-Door)	D12	94 (LHD 5-Door)	P12	95 (LHD 5-Door)
D4	92 (LHD)		96 (LHD 3-Door)		97 (LHD 3-Door)
D9	94 (LHD 5-Door)	J7	93 (LHD)	W2	95 (LHD 5-Door)
	96 (LHD 3-Door)	J8 A	93 (LHD)		97 (LHD 3-Door)
D10	94 (LHD 5-Door)	J9 B	93 (LHD)		

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1F	80	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2F	82	Floor Wire and Driver Side J/B (Lower Finish Panel)
2J	83	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)
2M		
3B	86	Engine Room Main Wire and Passenger Side J/B (Behind the Glove Box)
3C	86	Floor Wire and Passenger Side J/B (Behind the Glove Box)
3D		
3G	86	Instrument Panel Wire and Passenger Side J/B (Behind the Glove Box)
3P		
3Q		
3T		

DOOR LOCK CONTROL (LHD)

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC1	112 (LHD)	Front Door LH Wire and Floor Wire (Left Kick Panel)
IC2		
II1	114 (LHD)	Front Door RH Wire and Floor Wire (Right Kick Panel)
II2		
BA1	116 (LHD 5-Door)	Rear Door LH Wire and Floor Wire (Left Side of Center Pillar)
BB1	116 (LHD 5-Door)	Rear Door RH Wire and Floor Wire (Right Side of Center Pillar)
BC1	116 (LHD 5-Door)	Back Door No.1Wire and Floor Wire (Right Side of Back Door)
	118 (LHD 3-Door)	

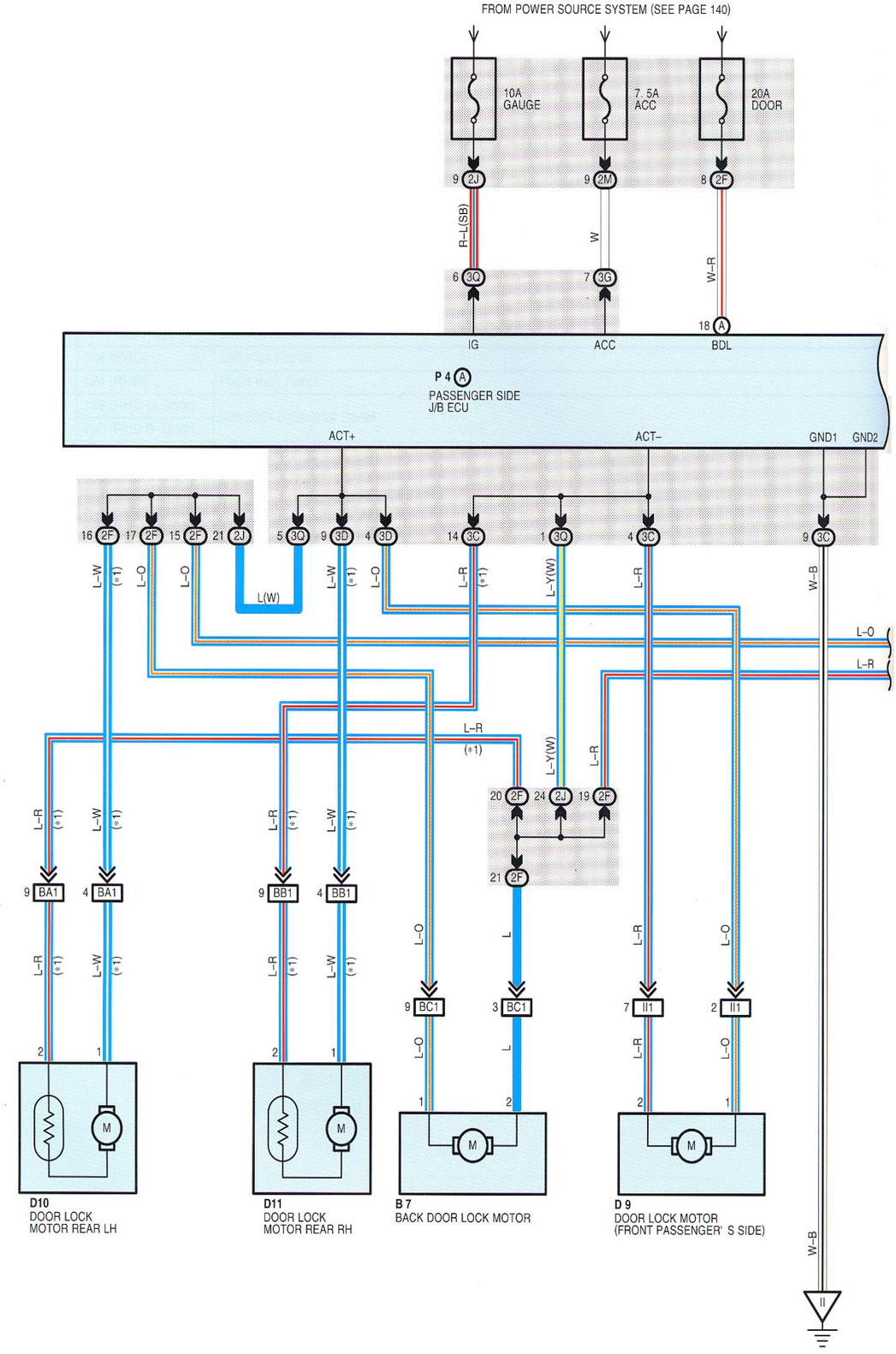
: GROUND POINTS

Code	See Page	Ground Points Location
IE	112 (LHD)	Left Kick Panel
II	112 (LHD)	Right Kick Panel
BL	116 (LHD 5-Door)	Center Side of Back Door
	118 (LHD 3-Door)	

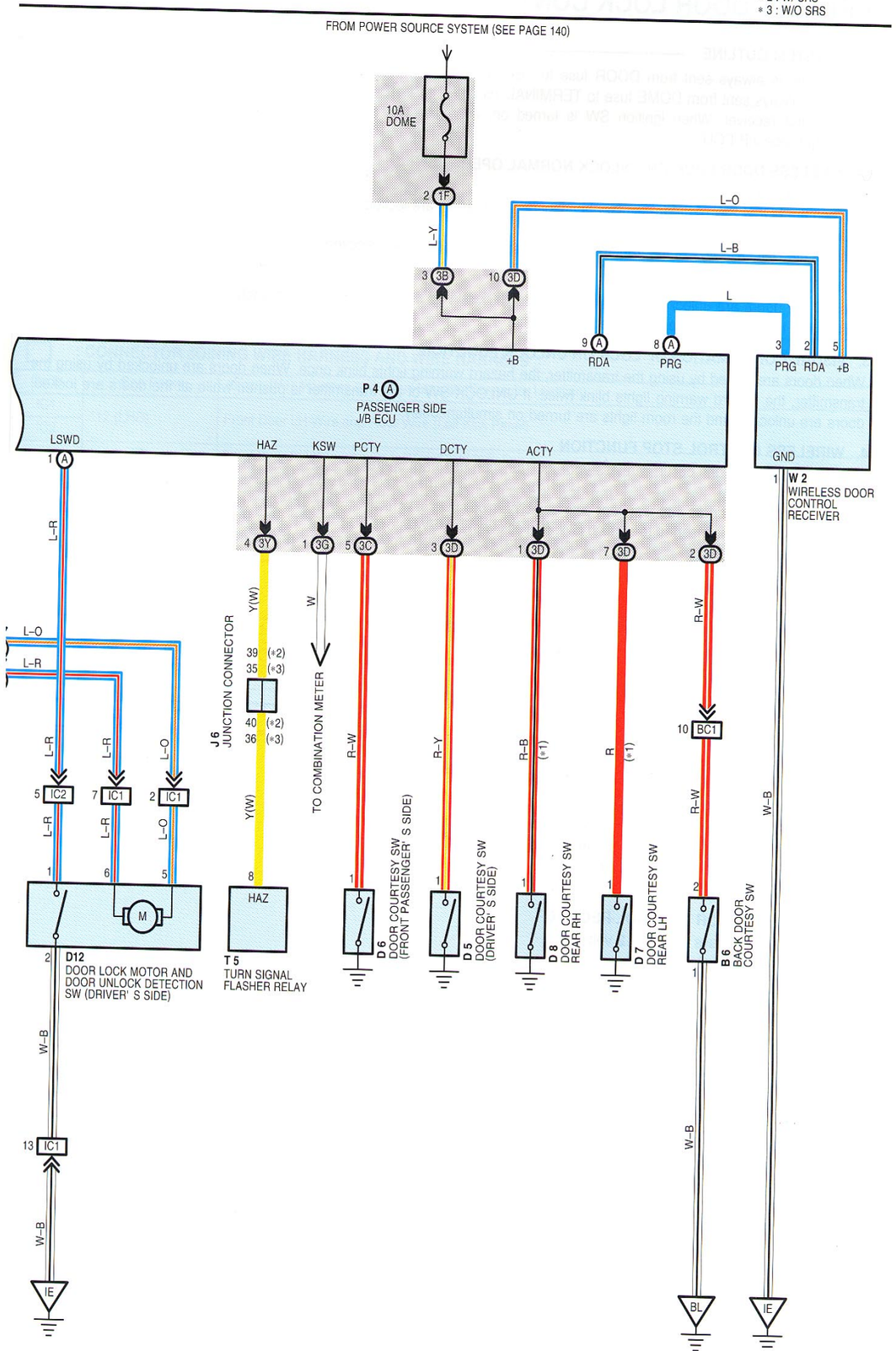
: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
B1	116 (LHD 5-Door)	Front Door LH Wire	B1	118 (LHD 3-Door)	Front Door LH Wire

WIRELESS DOOR LOCK CONTROL (LHD)



* 1 : 5–DOOR
* 2 : W/ SRS
* 3 : W/O SRS



WIRELESS DOOR LOCK CONTROL (LHD)

SYSTEM OUTLINE

The current is always sent from DOOR fuse to TERMINAL BDL of the passenger side J/B ECU. At the same time, the current is always sent from DOME fuse to TERMINAL +B of the passenger side J/B ECU and TERMINAL +B of the wireless door control receiver. When ignition SW is turned on, the current is sent from GAUGE fuse to TERMINAL IG of the passenger side J/B ECU.

1. WIRELESS DOOR LOCK OR UNLOCK NORMAL OPERATION

* Lock operation
  When the LOCK SW of the transmitter is pushed, all the doors are locked.
* Unlock operation
  When the UNLOCK SW of the transmitter is pushed, all the doors are unlocked.

2. AUTOMATIC LOCK OPERATION

After all the doors are unlocked by pushing the UNLOCK SW of the transmitter, unless each of the doors is opened or the ignition key is inserted, all the doors are locked again.

3. VISUAL CONFIRMATION OF LOCK OR UNLOCK FUNCTION

When doors are locked by using the transmitter, the hazard warning lights blink once. When doors are unlocked by using the transmitter, the hazard warning lights blink twice. If UNLOCK SW of the transmitter is pushed while all the doors are locked, doors are unlocked and the room lights are turned on simultaneously.

4. WIRELESS CONTROL STOP FUNCTION

If the following situations occur, wireless door lock function does not operate.
Lock operation
* When each of the doors opens. (Door courtesy SW is on)
* When ignition key is inserted to ignition SW. (Unlock warning SW is on)
* When ignition SW is on.

Unlock operation
* When ignition SW is on
* When ignition key is inserted to ignition SW. (Unlock warning SW is on)

5. REPEAT FUNCTION

If the doors are not locked after the lock signal is out put from transmitter by pushing LOCK SW, the lock signal is sent again to lock the doors.

SERVICE HINTS

P4 (A) PASSENGER SIDE J/B ECU

+B-GROUND : Always approx. **12** volts
BDL-GROUND : Always approx. **12** volts
ACC-GROUND : Approx. **12** volts with the ignition SW at **ACC** or **ON** position
IG-GROUND : Approx. **12** volts with the ignition SW at **ON** position
GND1-GROUND : Always continuity
GND2-GROUND : Always continuity

W2 WIRELESS DOOR CONTROL RECEIVER

5-GROUND : Always approx. **12** volts
1-GROUND : Always continuity

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
B6	94 (LHD 5-Door)	D6	96 (LHD 3-Door)	D12	94 (LHD 5-Door)
	96 (LHD 3-Door)	D7	94 (LHD 5-Door)		96 (LHD 3-Door)
B7	94 (LHD 5-Door)	D8	94 (LHD 5-Door)	J6	93 (LHD)
	96 (LHD 3-Door)	D9	94 (LHD 5-Door)	P4 | A	93 (LHD)
D5	94 (LHD 5-Door)		96 (LHD 3-Door)	T5	93 (LHD)
	96 (LHD 3-Door)	D10	94 (LHD 5-Door)	W2	95 (LHD 5-Door)
D6	94 (LHD 5-Door)	D11	94 (LHD 5-Door)		97 (LHD 3-Door)

⬭ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1F	80	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2F	82	Floor Wire and Driver Side J/B (Lower Finish Panel)
2J	83	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)
2M		
3B	86	Engine Room Main Wire and Passenger Side J/B (Behind the Glove Box)
3C	86	Floor Wire and Passenger Side J/B (Behind the Glove Box)
3D		
3G	86	Instrument Panel Wire and Passenger Side J/B (Behind the Glove Box)
3Q		
3Y		

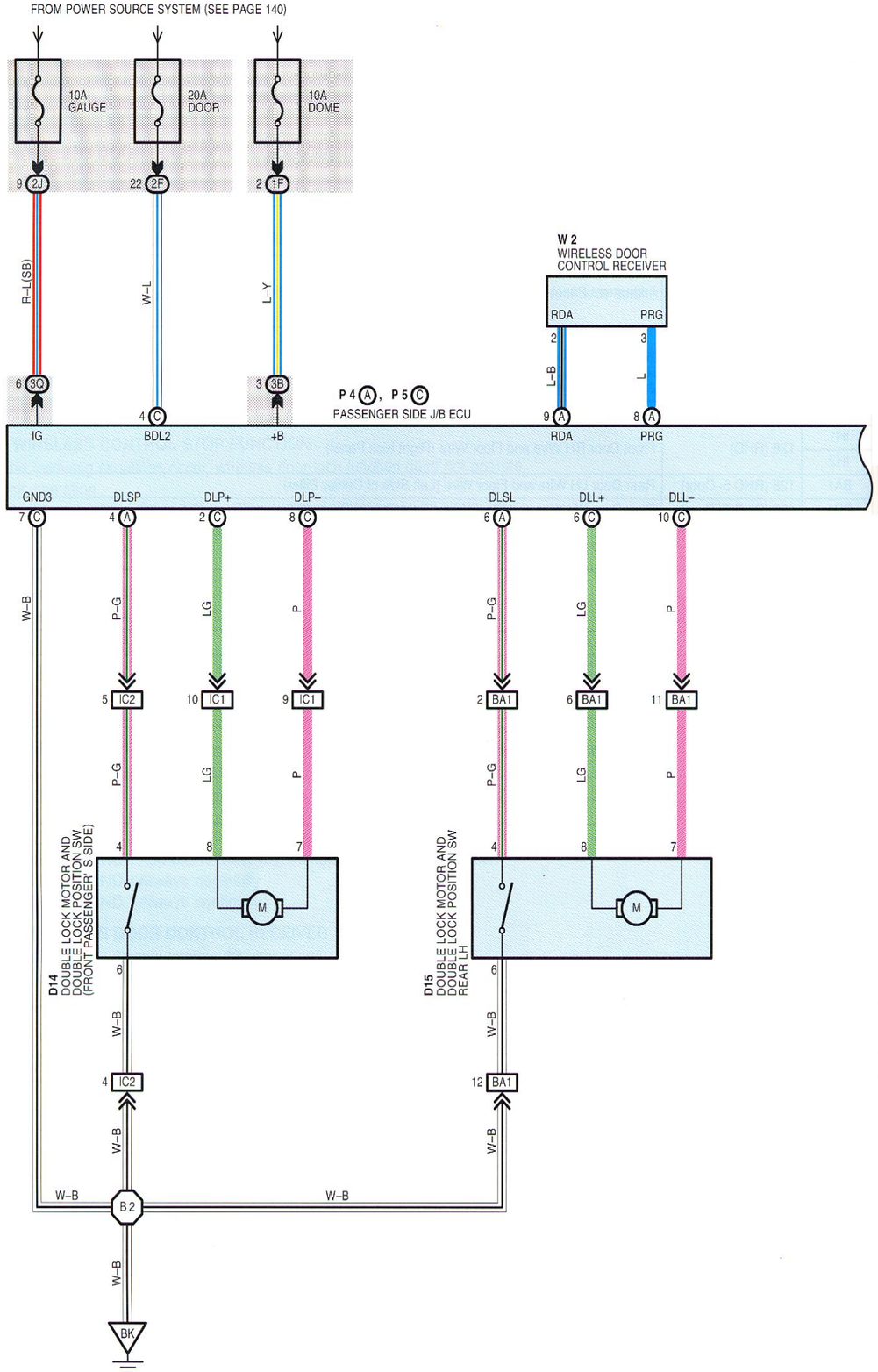
□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC1	112 (LHD)	Front Door LH Wire and Floor Wire (Left Kick Panel)
IC2		
II1	114 (LHD)	Front Door RH Wire and Floor Wire (Right Kick Panel)
BA1	116 (LHD 5-Door)	Rear Door LH Wire and Floor Wire (Left Side of Center Pillar)
BB1	116 (LHD 5-Door)	Rear Door RH Wire and Floor Wire (Right Side of Center Pillar)
BC1	116 (LHD 5-Door)	Back Door No.1Wire and Floor Wire (Right Side of Back Door)
	118 (LHD 3-Door)	

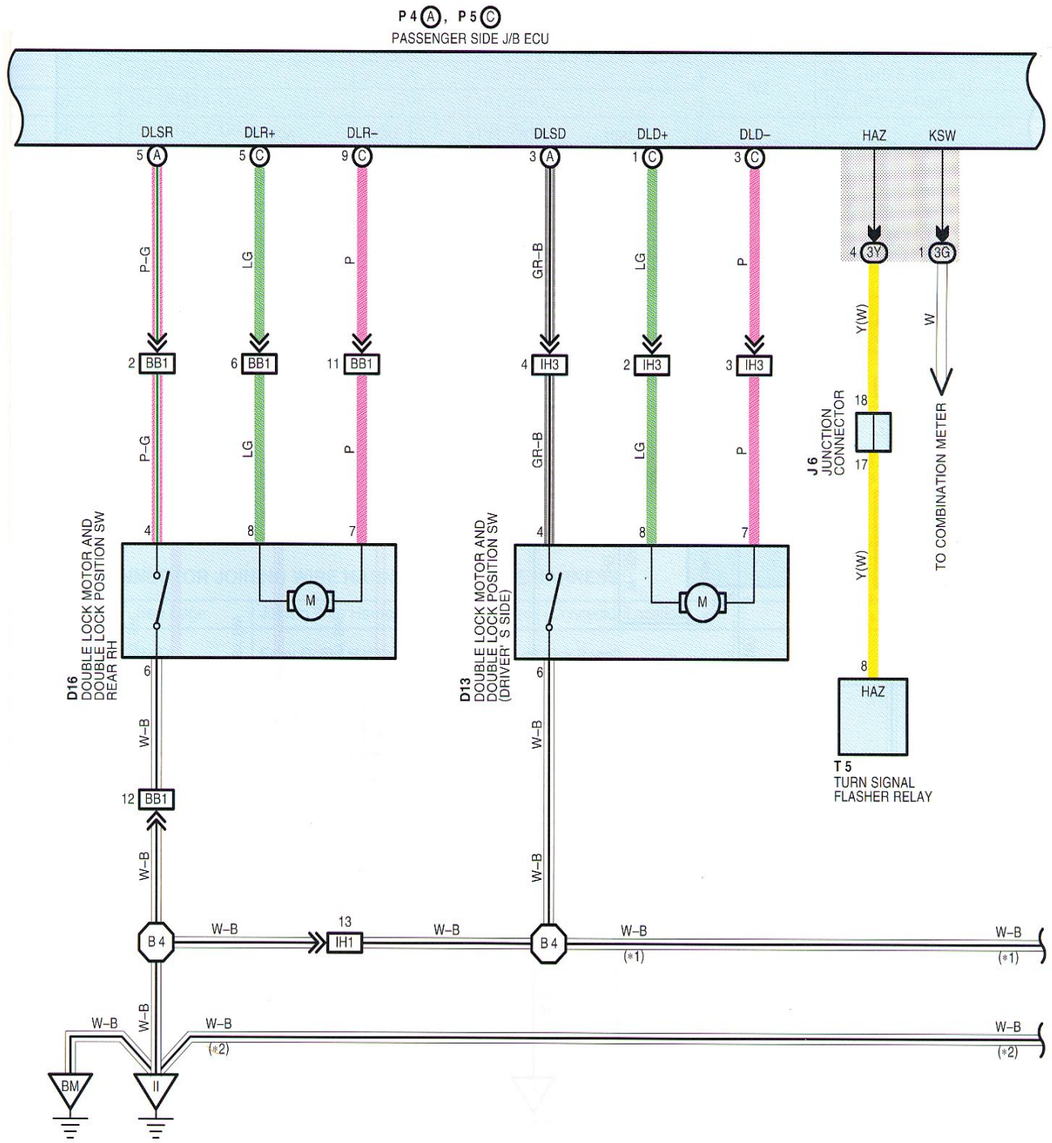
▽ : GROUND POINTS

Code	See Page	Ground Points Location
IE	112 (LHD)	Left Kick Panel
II	112 (LHD)	Right Kick Panel
BL	116 (LHD 5-Door)	Center Side of Back Door
	118 (LHD 3-Door)	

DOUBLE LOCKING

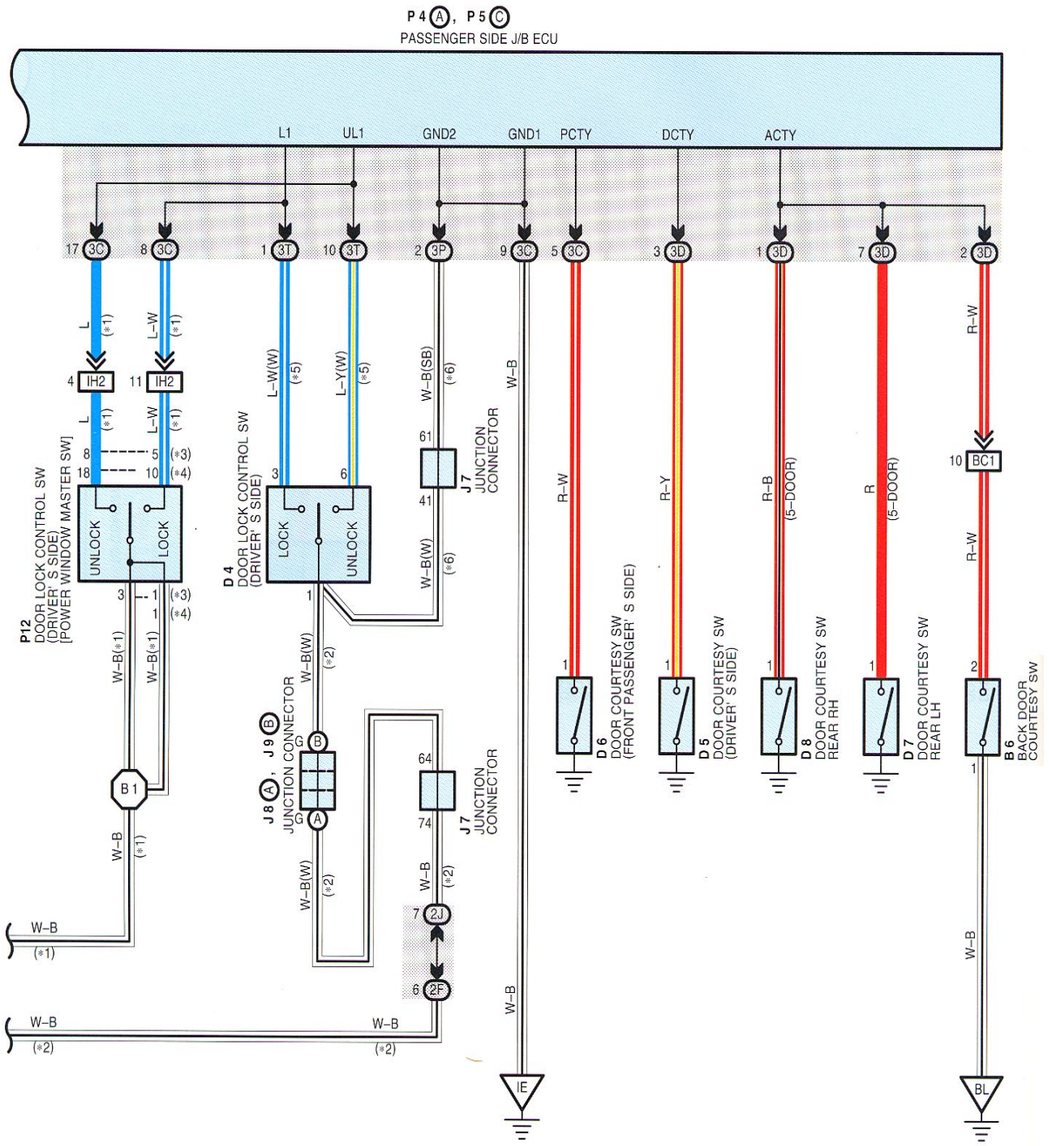


* 1 : W/ POWER WINDOW
* 2 : W/ SRS AND W/O POWER WINDOW



DOUBLE LOCKING

* 1 : W/ POWER WINDOW
* 2 : W/ SRS AND W/O POWER WINDOW
* 3 : W/ REAR POWER WINDOW
* 4 : W/O REAR POWER WINDOW
* 5 : W/O POWER WINDOW
* 6 : W/O SRS AND W/O POWER WINDOW



SERVICE HINTS

P5 (C) PASSENGER SIDE J/B ECU

+B–GROUND : Always approx. **12** volts
BDL2–GROUND : Always approx. **12** volts
IG–GROUND : Approx. **12** volts with the ignition SW at **ON** position
GND1–GROUND : Always continuity
GND2–GROUND : Always continuity
GND3–GROUND : Always continuity

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
B6	104 (RHD 5–Door)	D13	104 (RHD 5–Door)	J9 B	103 (RHD)
	106 (RHD 3–Door)		106 (RHD 3–Door)	P4 A	103 (RHD)
D4	102 (RHD)	D14	104 (RHD 5–Door)	P5 C	103 (RHD)
D5	104 (RHD 5–Door)		106 (RHD 3–Door)	P12	105 (RHD 5–Door)
	106 (RHD 3–Door)	D15	104 (RHD 5–Door)		107 (RHD 3–Door)
D6	104 (RHD 5–Door)	D16	104 (RHD 5–Door)	T5	103 (RHD)
	106 (RHD 3–Door)	J6	103 (RHD)	W2	105 (RHD 5–Door)
D7	104 (RHD 5–Door)	J7	103 (RHD)		107 (RHD 3–Door)
D8	104 (RHD 5–Door)	J8 A	103 (RHD)		

⬭ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1F	80	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2F	82	Floor Wire and Driver Side J/B (Lower Finish Panel)
2J	83	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)
3B	86	Engine Room Main Wire and Passenger Side J/B (Behind the Glove Box)
3C	86	Floor Wire and Passenger Side J/B (Behind the Glove Box)
3D		
3G	86	Instrument Panel Wire and Passenger Side J/B (Behind the Glove Box)
3P		
3Q		
3T		
3Y		

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC1	124 (RHD)	Front Door LH Wire and Floor Wire (Left Kick Panel)
IC2		
IH1	126 (RHD)	Front Door RH Wire and Floor Wire (Right Kick Panel)
IH2		
IH3		
BA1	128 (RHD 5–Door)	Rear Door LH Wire and Floor Wire (Left Side of Center Pillar)
BB1	128 (RHD 5–Door)	Rear Door RH Wire and Floor Wire (Right Side of Center Pillar)
BC1	128 (RHD 5–Door)	Back Door No.1Wire and Floor Wire (Right Side of Back Door)
	130 (RHD 3–Door)	

DOUBLE LOCKING

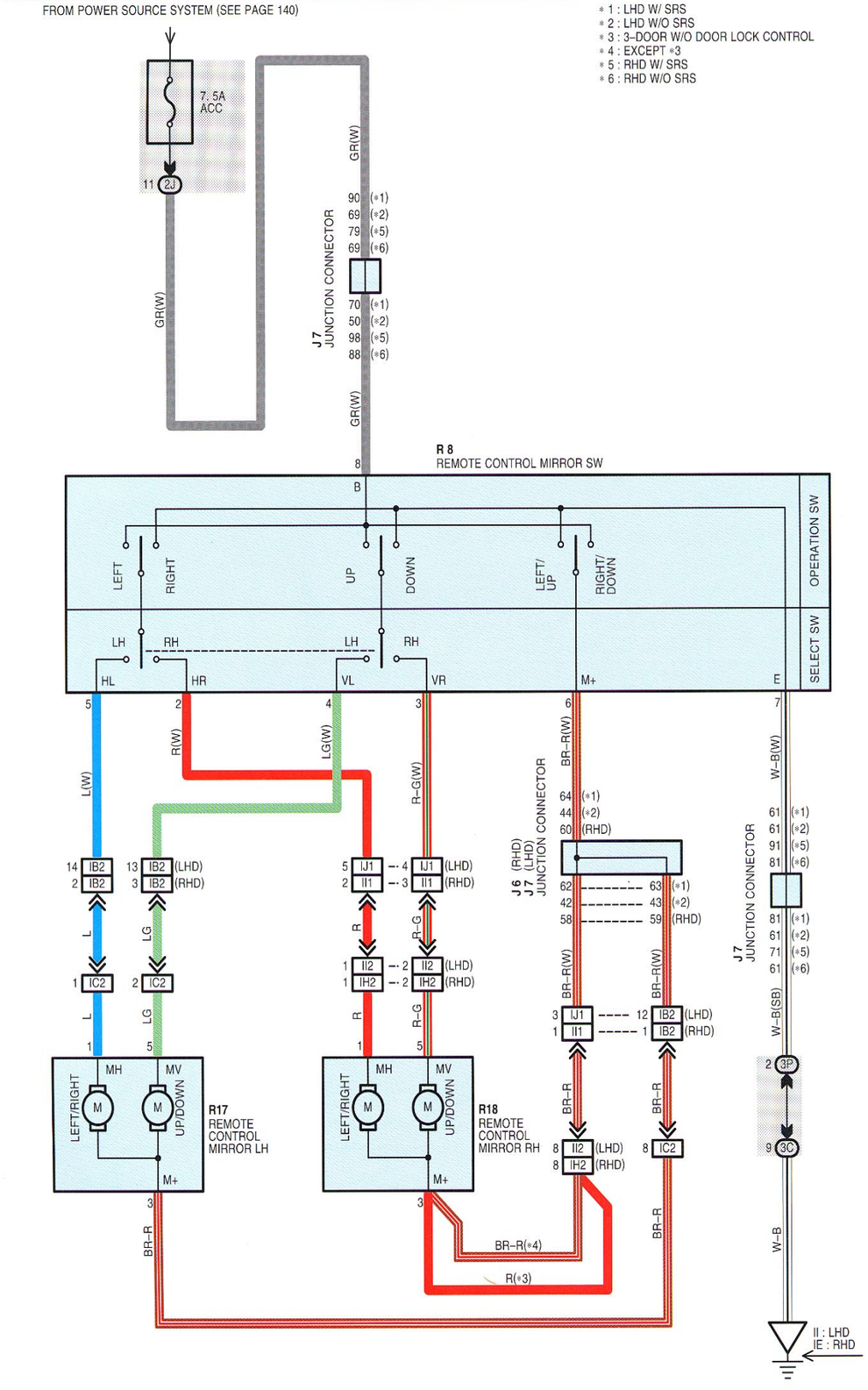
▽ : **GROUND POINTS**

Code	See Page	Ground Points Location
IE	124 (RHD)	Left Kick Panel
II	124 (RHD)	Right Kick Panel
BK	128 (RHD 5-Door)	Left Side of Quarter Panel
	130 (RHD 3-Door)	
BL	128 (RHD 5-Door)	Center Side of Back Door
	130 (RHD 3-Door)	
BM	128 (RHD 5-Door)	Right Side of Quarter Panel
	130 (RHD 3-Door)	

○ : **SPLICE POINTS**

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
B1	128 (RHD 5-Door)	Front Door RH Wire	B2	130 (RHD 3-Door)	Floor Wire
	130 (RHD 3-Door)		B4	128 (RHD 5-Door)	
B2	128 (RHD 5-Door)	Floor Wire		130 (RHD 3-Door)	

REMOTE CONTROL MIRROR



SERVICE HINTS

R8 REMOTE CONTROL MIRROR SW

6-7 : Continuity with the operation SW at **UP** or **LEFT** position
8-6 : Continuity with the operation SW at **DOWN** or **RIGHT** position
8-GROUND : Approx. **12** volts with the ignition SW at **ACC** or **ON** position
7-GROUND : Always continuity

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
J6	103 (RHD)	R17	95 (LHD 5-Door)	R18	97 (LHD 3-Door)
J7	93 (LHD)		97 (LHD 3-Door)		105 (RHD 5-Door)
	103 (RHD)		105 (RHD 5-Door)		107 (RHD 3-Door)
R8	93 (LHD)		107 (RHD 3-Door)		
	103 (RHD)	R18	95 (LHD 5-Door)		

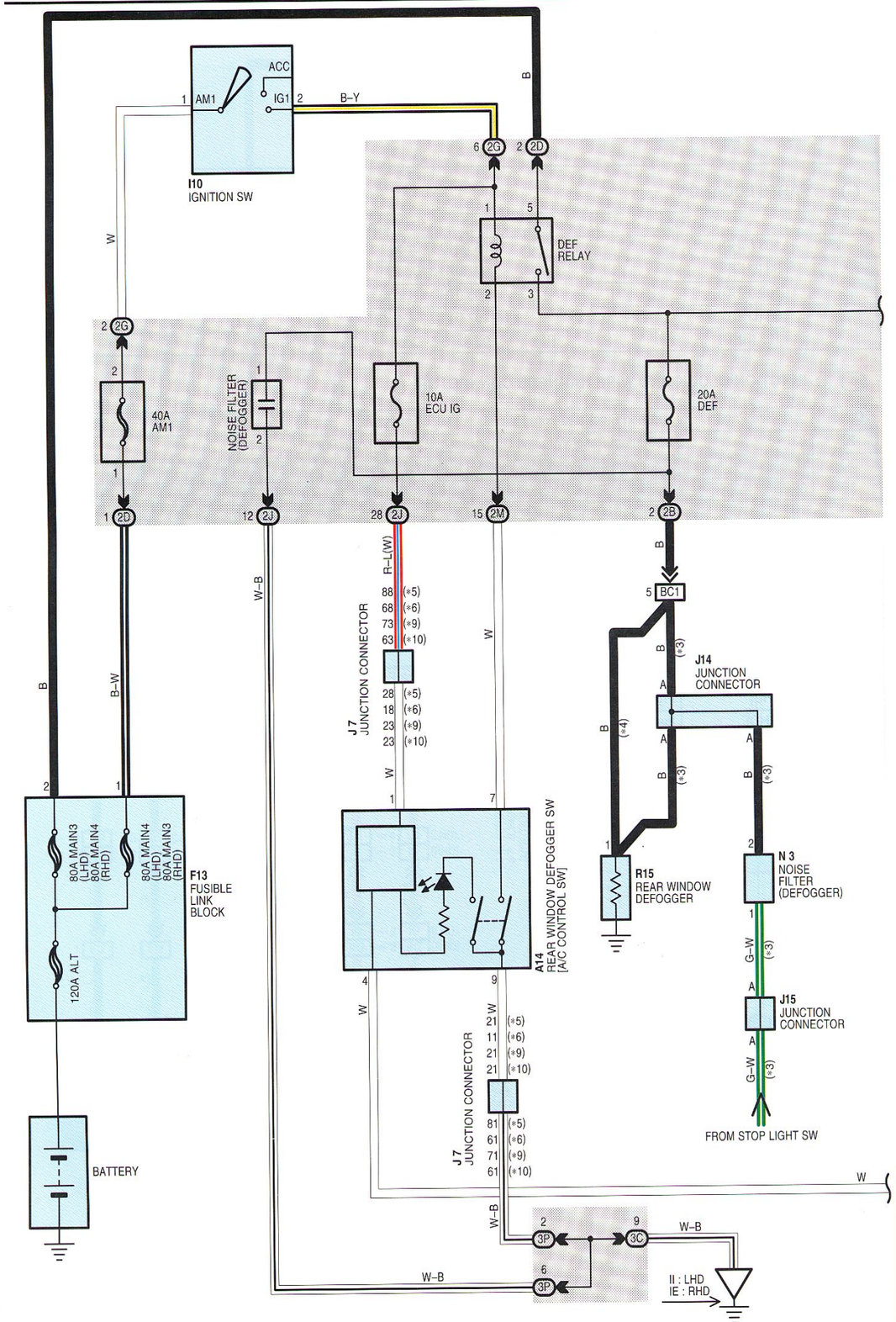
: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
2J	83	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)
3C	86	Floor Wire and Passenger Side J/B (Behind the Glove Box)
3P	86	Instrument Panel Wire and Passenger Side J/B (Behind the Glove Box)

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

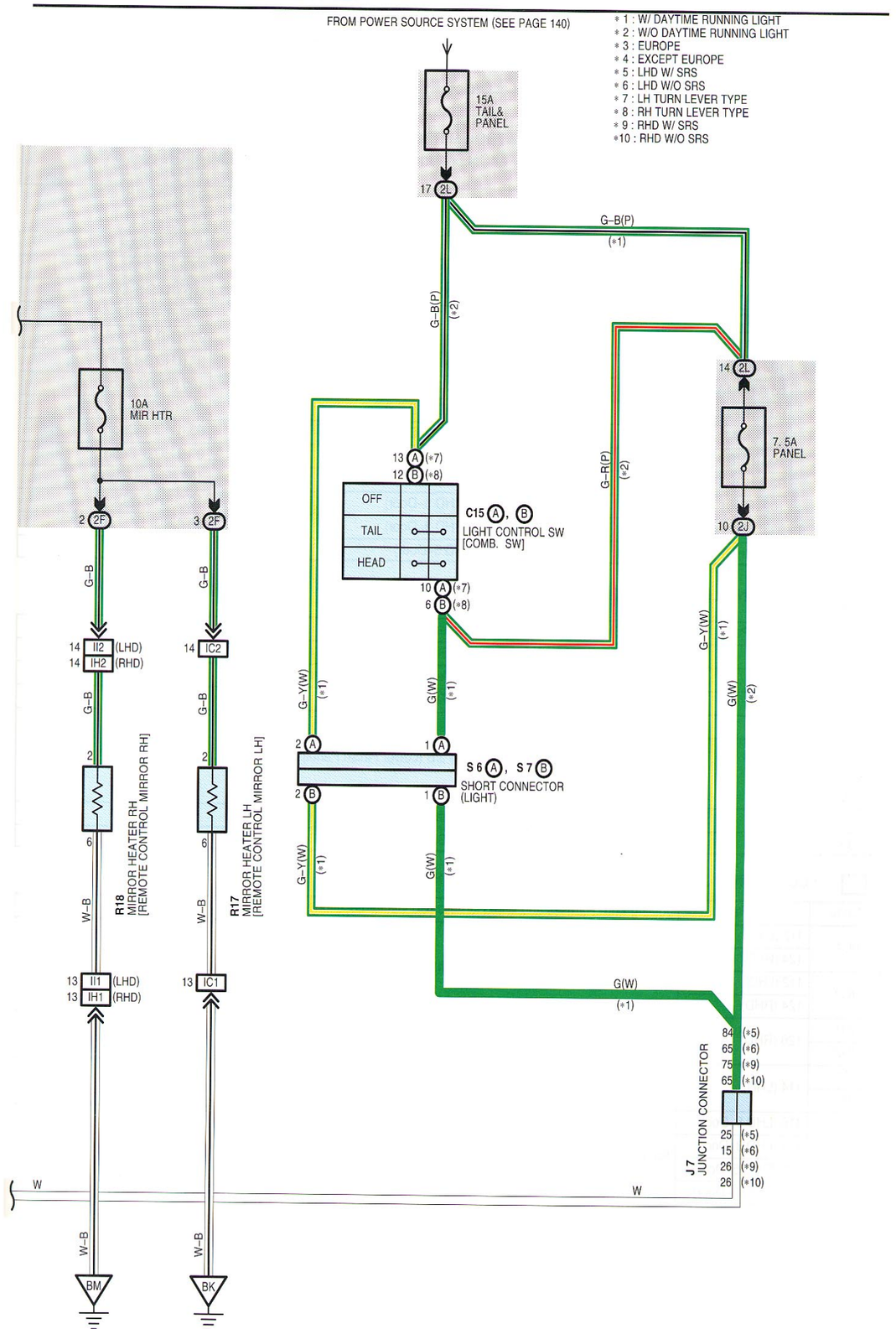
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IB2	112 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	124 (RHD)	
IC2	112 (LHD)	Front Door LH Wire and Floor Wire (Left Kick Panel)
	124 (RHD)	
IH2	126 (RHD)	Front Door RH Wire and Floor Wire (Right Kick Panel)
II1	114 (LHD)	Front Door RH Wire and Floor Wire (Right Kick Panel)
	126 (RHD)	Instrument Panel Wire and Floor Wire (Right Kick Panel)
II2	114 (LHD)	Front Door RH Wire and Floor Wire (Right Kick Panel)
IJ1	114 (LHD)	Instrument Panel Wire and Floor Wire (Right Kick Panel)

REAR WINDOW DEFOGGER AND MIRROR HEATER



FROM POWER SOURCE SYSTEM (SEE PAGE 140)

* 1 : W/ DAYTIME RUNNING LIGHT
* 2 : W/O DAYTIME RUNNING LIGHT
* 3 : EUROPE
* 4 : EXCEPT EUROPE
* 5 : LHD W/ SRS
* 6 : LHD W/O SRS
* 7 : LH TURN LEVER TYPE
* 8 : RH TURN LEVER TYPE
* 9 : RHD W/ SRS
*10 : RHD W/O SRS



REAR WINDOW DEFOGGER AND MIRROR HEATER

SERVICE HINTS

A14 REAR WINDOW DEFOGGER SW [A/C CONTROL SW]

7–GROUND : Approx. **12** volts with the ignition SW at **ON** position
9–GROUND : Always continuity

R17, R18 MIRROR HEATER LH, RH [REMOTE CONTROL MIRROR LH, RH]

2–GROUND : Approx. **12** volts with the ignition SW at ON position and rear window defogger SW at **ON** position

○ : PARTS LOCATION

Code		See Page	Code	See Page	Code		See Page
A14		92 (LHD)	J14	94 (LHD 5–Door)	R15		97 (LHD 3–Door)
		102 (RHD)		96 (LHD 3–Door)			105 (RHD 5–Door)
C15	A	92 (LHD)		104 (RHD 5–Door)			107 (RHD 3–Door)
		102 (RHD)		106 (RHD 3–Door)	R17		95 (LHD 5–Door)
	B	102 (RHD)	J15	94 (LHD 5–Door)			97 (LHD 3–Door)
F13		*88 (LHD 1AZ–FE)*		*96 (LHD 3–Door)*			*105 (RHD 5–Door)*
		90 (LHD 1ZZ–FE)		104 (RHD 5–Door)			107 (RHD 3–Door)
		98 (RHD 1AZ–FE)		106 (RHD 3–Door)	R18		95 (LHD 5–Door)
		100 (RHD 1ZZ–FE)	N3	95 (LHD 5–Door)			97 (LHD 3–Door)
I10		92 (LHD)		97 (LHD 3–Door)			105 (RHD 5–Door)
		102 (RHD)		105 (RHD 5–Door)			107 (RHD 3–Door)
J7		93 (LHD)		107 (RHD 3–Door)	S6	A	93 (LHD)
		103 (RHD)	R15	95 (LHD 5–Door)	S7	B	93 (LHD)

⬭ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
2B	82	Floor Wire and Driver Side J/B (Lower Finish Panel)
2D	82	Engine Room Main Wire and Driver Side J/B (Lower Finish Panel)
2F	82	Floor Wire and Driver Side J/B (Lower Finish Panel)
2G	82	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)
2J	83	
2L		
2M		
3C	86	Floor Wire and Passenger Side J/B (Behind the Glove Box)
3P	86	Instrument Panel Wire and Passenger Side J/B (Behind the Glove Box)

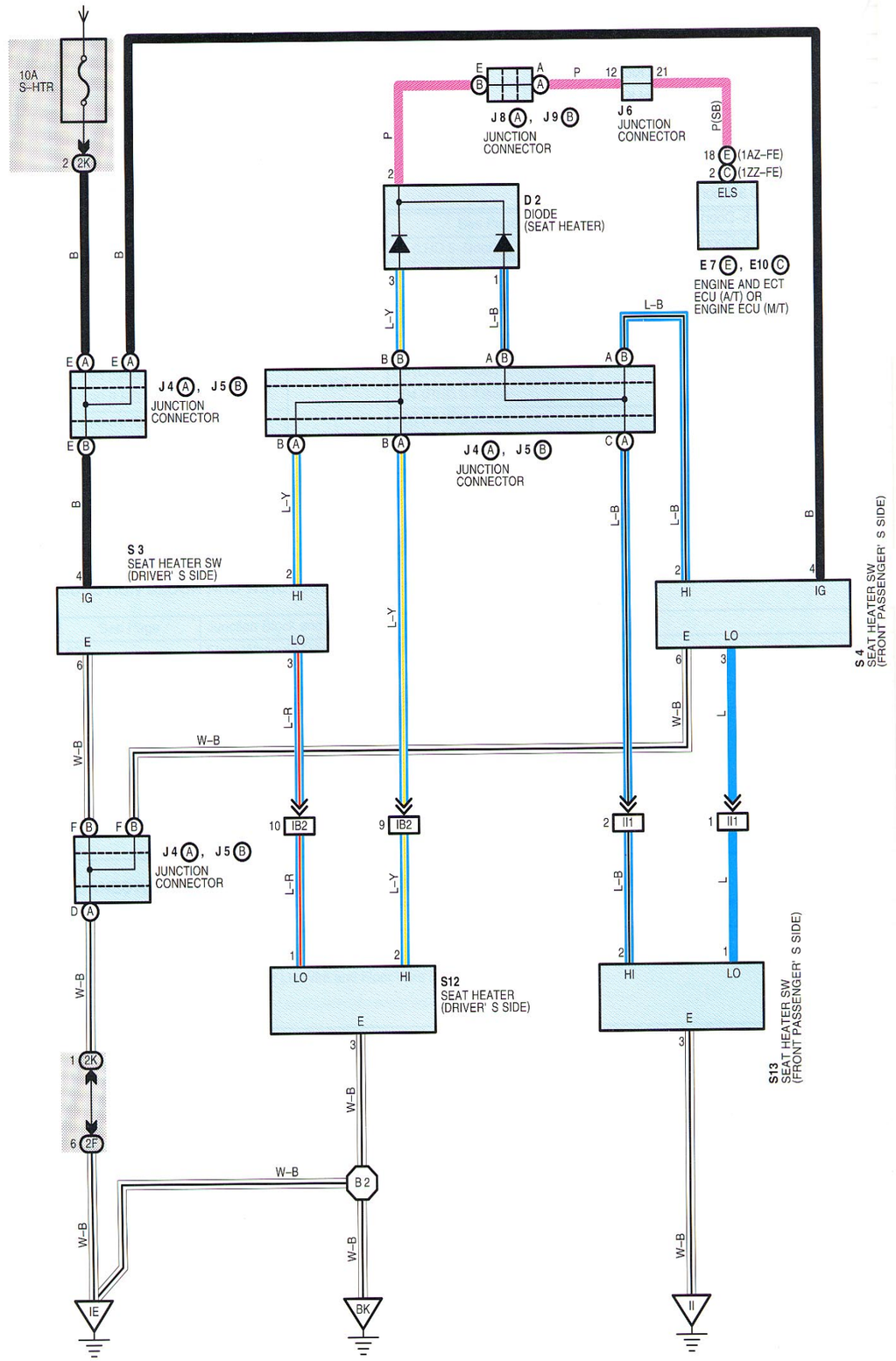
□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC1	112 (LHD)	Front Door LH Wire and Floor Wire (Left Kick Panel)
	124 (RHD)	
IC2	112 (LHD)	
	124 (RHD)	
IH1	126 (RHD)	Front Door RH Wire and Floor Wire (Right Kick Panel)
IH2		
II1	114 (LHD)	Front Door RH Wire and Floor Wire (Right Kick Panel)
II2		
BC1	116 (LHD 5–Door)	Back Door No.1Wire and Floor Wire (Right Side of Back Door)
	118 (LHD 3–Door)	
	128 (RHD 5–Door)	
	130 (RHD 3–Door)	

▽ : GROUND POINTS

Code	See Page	Ground Points Location
IE	124 (RHD)	Left Kick Panel
II	112 (LHD)	Right Kick Panel
BK	116 (LHD 5–Door)	Left Side of Quarter Panel
	118 (LHD 3–Door)	
	128 (RHD 5–Door)	
	130 (RHD 3–Door)	
BM	116 (LHD 5–Door)	Right Side of Quarter Panel
	118 (LHD 3–Door)	
	128 (RHD 5–Door)	
	130 (RHD 3–Door)	

SEAT HEATER



SERVICE HINTS

S3 SEAT HEATER SW (DRIVER'S SIDE)

4-GROUND : Approx. **12** volts with the ignition SW at **ON** position
6-GROUND : Always continuity

S4 SEAT HEATER SW (FRONT PASSENGER'S SIDE)

4-GROUND : Approx. **12** volts with the ignition SW at **ON** position
6-GROUND : Always continuity

○ : PARTS LOCATION

Code		See Page	Code		See Page	Code	See Page
D2		92 (LHD)	J6		93 (LHD)	S12	95 (LHD 5-Door)
E7	E	92 (LHD)	J8	A	93 (LHD)		97 (LHD 3-Door)
E10	C	92 (LHD)	J9	B	93 (LHD)	S13	95 (LHD 5-Door)
J4	A	93 (LHD)	S3		93 (LHD)		97 (LHD 3-Door)
J5	B	93 (LHD)	S4		93 (LHD)		

⬭ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
2F	82	Floor Wire and Driver Side J/B (Lower Finish Panel)
2K	83	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)

▭ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IB2	112 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
II1	114 (LHD)	Front Door RH Wire and Floor Wire (Right Kick Panel)

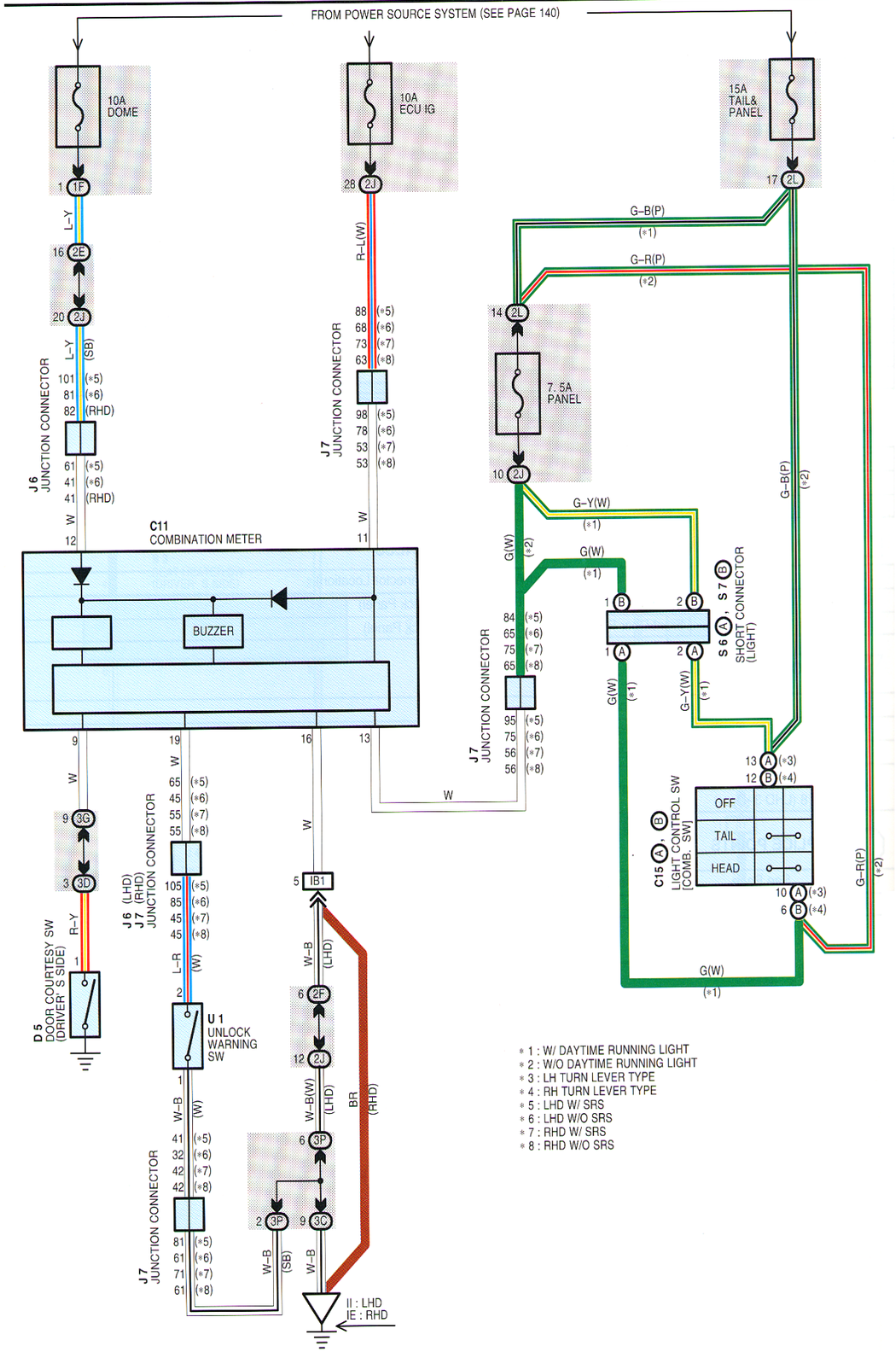
▽ : GROUND POINTS

Code	See Page	Ground Points Location
IE	112 (LHD)	Left Kick Panel
II	112 (LHD)	Right Kick Panel
BK	116 (LHD 5-Door)	Left Side of Quarter Panel
	118 (LHD 3-Door)	

⯃ : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
B2	116 (LHD 5-Door)	Floor Wire	B2	118 (LHD 3-Door)	Floor Wire

KEY REMINDER AND LIGHT REMINDER BUZZER



SYSTEM OUTLINE

Current always flows to TERMINAL 12 of the combination meter through the DOME fuse.
When the ignition SW is turned to ON position, current flows to TERMINAL 11 of the combination meter through the ECU IG fuse. When the light control SW is turned to TAIL or HEAD position, current is applied to TERMINAL 13 of the combination meter through the TAIL&PANEL fuse.

1. KEY REMINDER SYSTEM

When the ignition key is remaining in the key cylinder with the ignition SW at ACC or OFF position, and the driver's door is opened, a buzzer comes on, and reminds the driver that the ignition key is in the key cylinder.

2. LIGHT REMINDER SYSTEM

When the light control SW in TAIL or HEAD position, the ignition SW is turned to OFF from ON position, and the driver's door is opened, the current flow to TERMINAL 11 of the combination meter stops. As a result, the combination meter is activated and current flows from TERMINAL 13 of the combination meter to TERMINAL 16 to GROUND, sounding the buzzer.

SERVICE HINTS

D5 DOOR COURTESY SW (DRIVER'S SIDE)
1–GROUND : Closed with driver's door open

U1 UNLOCK WARNING SW
2–1 : Closed with ignition key in cylinder

C11 COMBINATION METER
12–GROUND : Always approx. **12** volts
11–GROUND : Approx. **12** volts with the ignition SW at **ON** position
13–GROUND : Approx. **12** volts with the light control SW at **TAIL** or **HEAD** position
9–GROUND : Continuity with driver's door open
16–GROUND : Always continuity

○ : PARTS LOCATION

Code		See Page	Code	See Page	Code		See Page
C11		92 (LHD)	D5	96 (LHD 3-Door)	J7		103 (RHD)
		102 (RHD)		104 (RHD 5-Door)	S6	A	93 (LHD)
C15	A	92 (LHD)		106 (RHD 3-Door)	S7	B	93 (LHD)
		102 (RHD)	J6	93 (LHD)	U1		93 (LHD)
	B	102 (RHD)		103 (RHD)			103 (RHD)
D5		94 (LHD 5-Door)	J7	93 (LHD)			

⬭ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1F	80	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2E	82	Engine Room Main Wire and Driver Side J/B (Lower Finish Panel)
2F	82	Floor Wire and Driver Side J/B (Lower Finish Panel)
2J	83	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)
2L		
3C	86	Floor Wire and Passenger Side J/B (Behind the Glove Box)
3D		
3G	86	Instrument Panel Wire and Passenger Side J/B (Behind the Glove Box)
3P		

▭ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IB1	112 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	124 (RHD)	

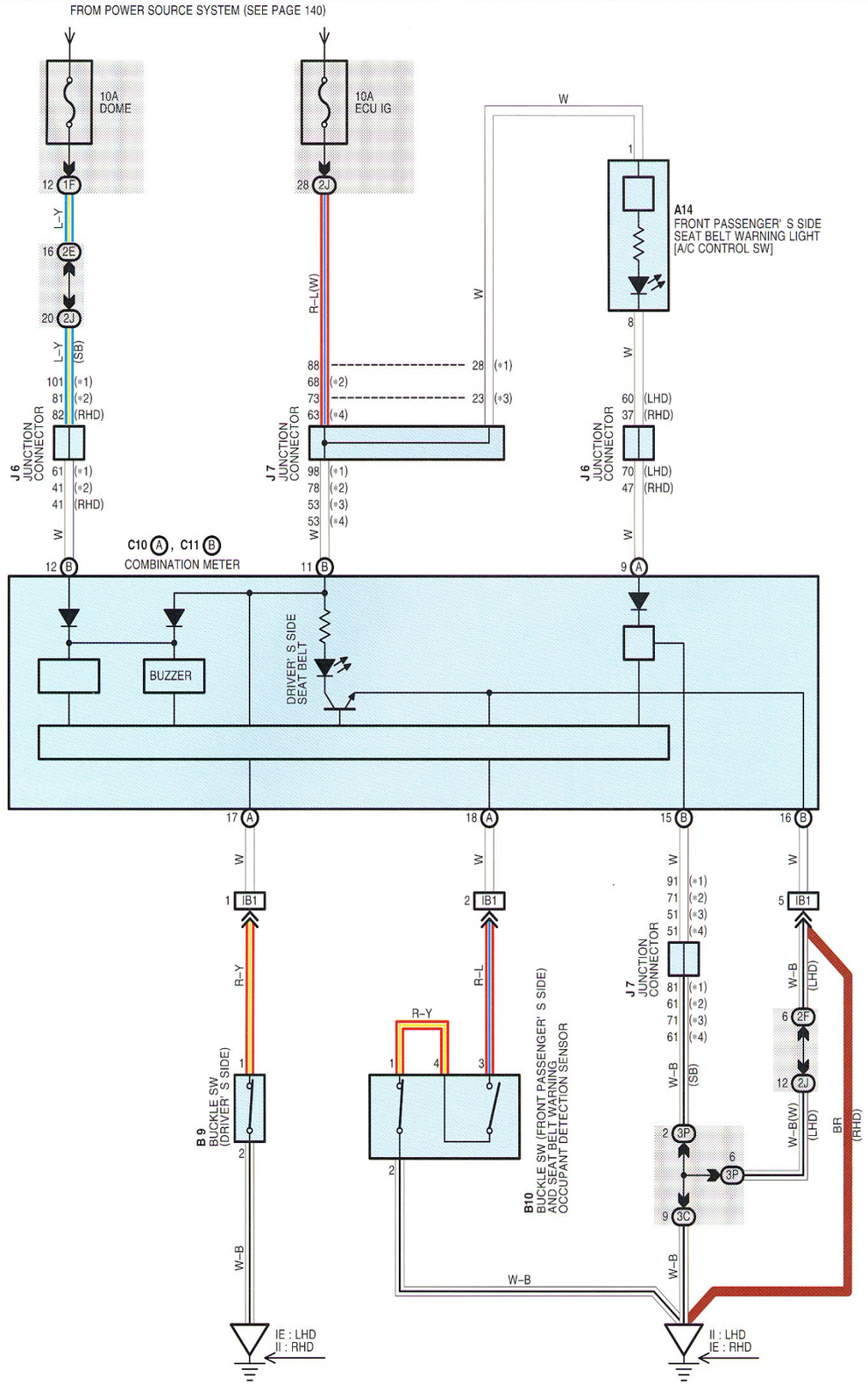
KEY REMINDER AND LIGHT REMINDER BUZZER

▽ : GROUND POINTS

Code	See Page	Ground Points Location
IE	124 (RHD)	Left kick Panel
II	112 (LHD)	Right Kick Panel

SEAT BELT WARNING

* 1 : LHD W/ SRS
* 2 : LHD W/O SRS
* 3 : RHD W/ SRS
* 4 : RHD W/O SRS



SYSTEM OUTLINE

SEAT BELT WARNING SYSTEM

When the driver has not fastened the seat belt while the ignition SW is ON, the driver seat belt warning light blinks, and a warning buzzer comes on.
Also, in the front passenger seat, a sensor recognizes a passenger, and when the passenger has not fastened the seat belt, the front passenger seat belt warning light blinks.

SERVICE HINTS

C10 (A), C11 (B) COMBINATION METER

(B)12-GROUND : Always approx. **12** volts
(B)15-GROUND : Always continuity
(A)17-GROUND : Continuity with the driver's seat belt in use

: PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
A14	92 (LHD)	B10	94 (LHD 5-Door)	C11 (B)	92 (LHD)
	102 (RHD)		96 (LHD 3-Door)		102 (RHD)
B9	94 (LHD 5-Door)		104 (RHD 5-Door)	J6	93 (LHD)
	96 (LHD 3-Door)		106 (RHD 3-Door)		103 (RHD)
	104 (RHD 5-Door)	C10 (A)	92 (LHD)	J7	93 (LHD)
	106 (RHD 3-Door)		102 (RHD)		103 (RHD)

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1F	80	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2E	82	Engine Room Main Wire and Driver Side J/B (Lower Finish Panel)
2F	82	Floor Wire and Driver Side J/B (Lower Finish Panel)
2J	83	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)
3C	86	Floor Wire and Passenger Side J/B (Behind the Glove Box)
3P	86	Instrument Panel Wire and Passenger Side J/B (Behind the Glove Box)

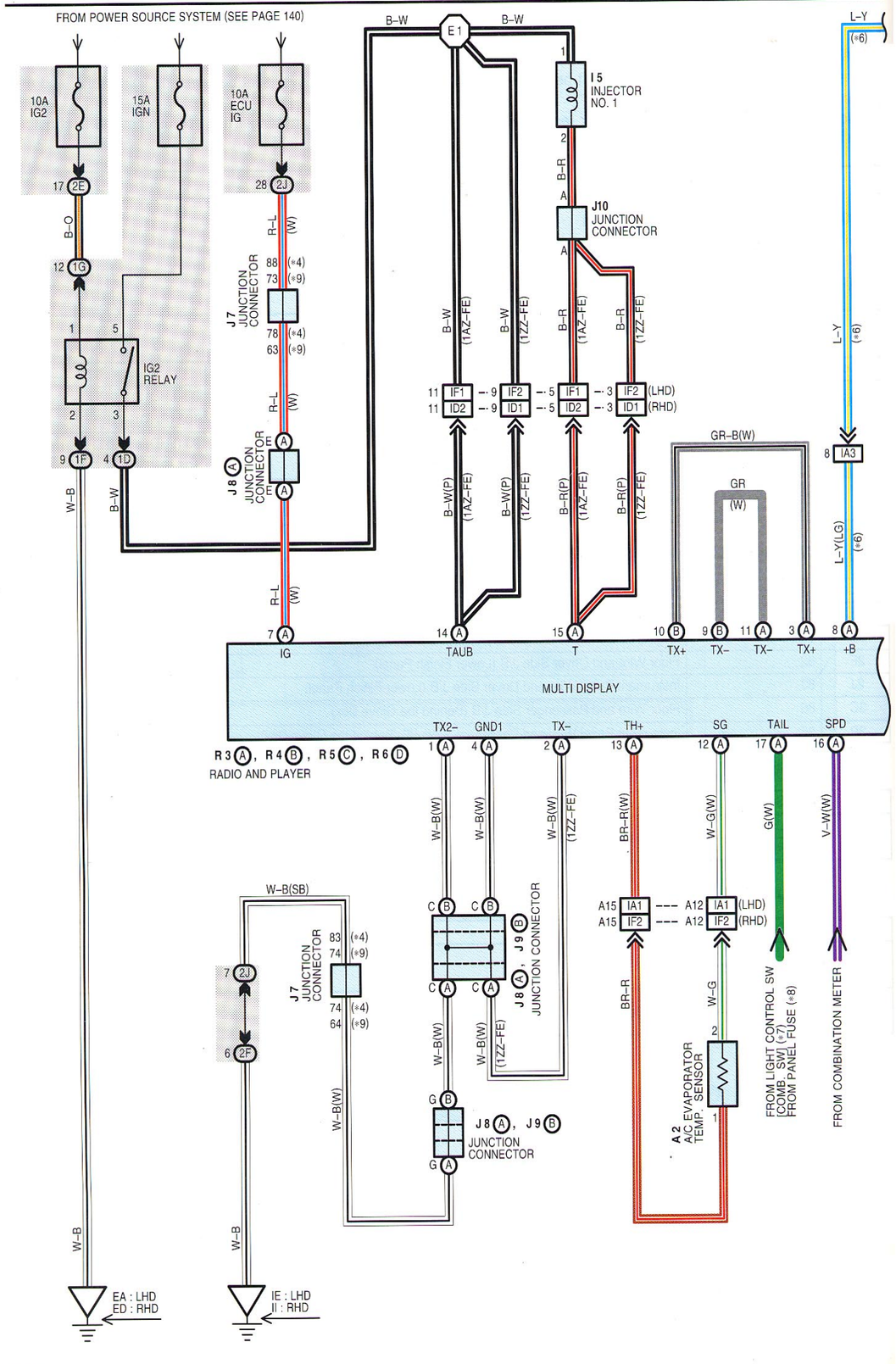
: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

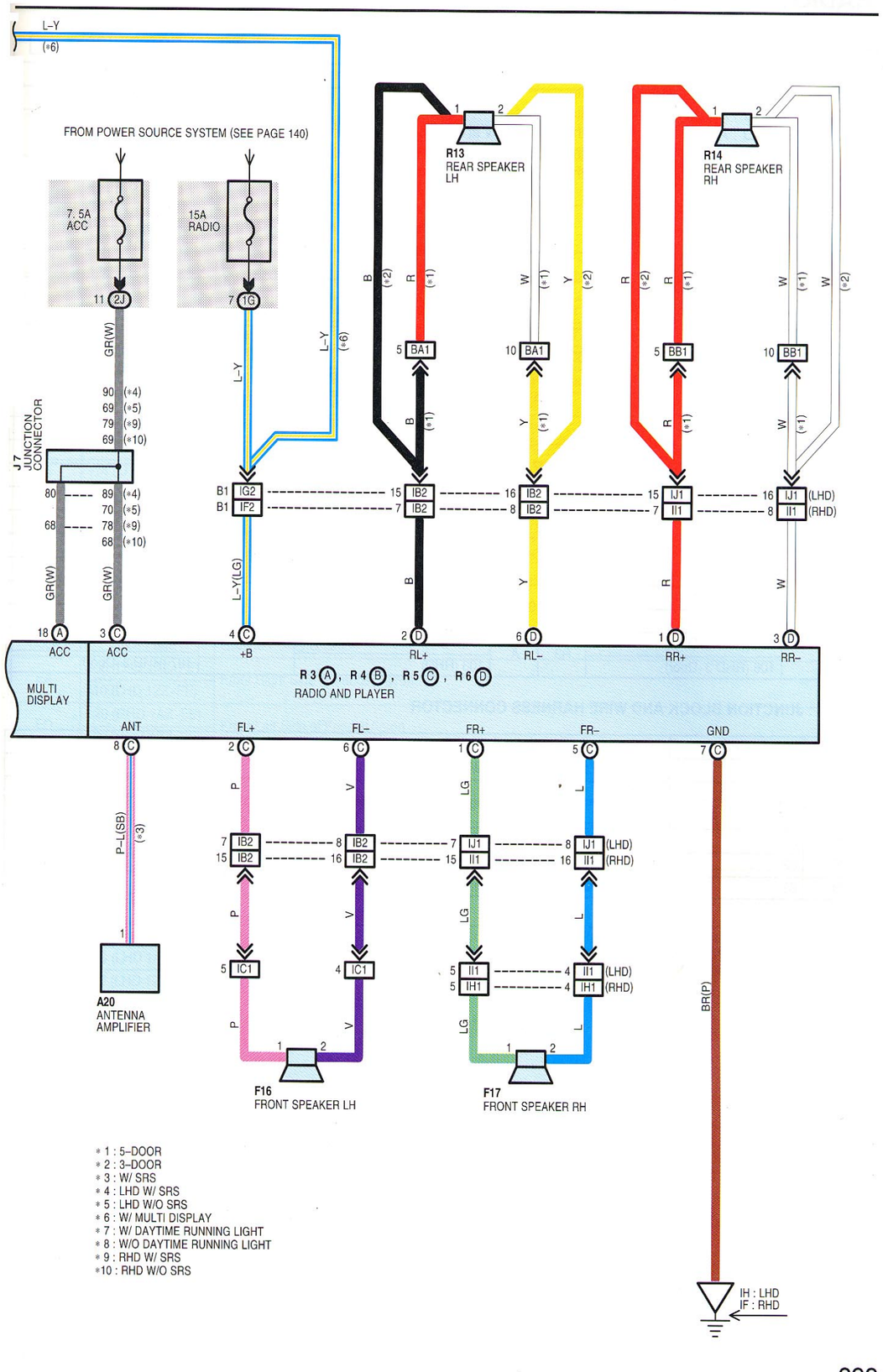
Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IB1	112 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	124 (RHD)	

: GROUND POINTS

Code	See Page	Ground Points Location
IE	112 (LHD)	Left Kick Panel
	124 (RHD)	
II	112 (LHD)	Right Kick Panel
	124 (RHD)	

RADIO AND PLAYER





* 1 : 5–DOOR
* 2 : 3–DOOR
* 3 : W/ SRS
* 4 : LHD W/ SRS
* 5 : LHD W/O SRS
* 6 : W/ MULTI DISPLAY
* 7 : W/ DAYTIME RUNNING LIGHT
* 8 : W/O DAYTIME RUNNING LIGHT
* 9 : RHD W/ SRS
*10 : RHD W/O SRS

RADIO AND PLAYER

SERVICE HINTS

R3 (A), R5 (C) RADIO AND PLAYER

(A) 8-GROUND : Always approx. **12** volts
(C) 4-GROUND : Always approx. **12** volts
(A) 18-GROUND : Approx. **12** volts with the ignition SW at **ACC** or **ON** position
(C) 3-GROUND : Approx. **12** volts with the ignition SW at **ACC** or **ON** position
(A) 7-GROUND : Approx. **12** volts with the ignition SW at **ON** position
(A) 1-GROUND : Always continuity
(A) 2-GROUND : Always continuity
(A) 4-GROUND : Always continuity
(C) 7-GROUND : Always continuity

○ : PARTS LOCATION

Code	See Page	Code		See Page	Code		See Page
A2	88 (LHD 1AZ-FE)	I5		89 (LHD 1AZ-FE)	R4	B	93 (LHD)
	90 (LHD 1ZZ-FE)			91 (LHD 1ZZ-FE)			103 (RHD)
	98 (RHD 1AZ-FE)			99 (RHD 1AZ-FE)	R5	C	93 (LHD)
	100 (RHD 1ZZ-FE)			101 (RHD 1ZZ-FE)			103 (RHD)
A20	92 (LHD)	J7		93 (LHD)	R6	D	93 (LHD)
	102 (RHD)			103 (RHD)			103 (RHD)
F16	94 (LHD 5-Door)	J8	A	93 (LHD)	R13		95 (LHD 5-Door)
	96 (LHD 3-Door)			103 (RHD)			97 (LHD 3-Door)
	104 (RHD 5-Door)	J9	B	93 (LHD)			105 (RHD 5-Door)
	106 (RHD 3-Door)			103 (RHD)			107 (RHD 3-Door)
F17	94 (LHD 5-Door)	J10		93 (LHD)	R14		95 (LHD 5-Door)
	96 (LHD 3-Door)			103 (RHD)			97 (LHD 3-Door)
	104 (RHD 5-Door)	R3	A	93 (LHD)			105 (RHD 5-Door)
	106 (RHD 3-Door)			103 (RHD)			107 (RHD 3-Door)

⬭ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1D	80	Engine Wire and Engine Room J/B (Engine Compartment Left)
1F	80	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
1G		
2E	82	Engine Room Main Wire and Driver Side J/B (Lower Finish Panel)
2F	82	Floor Wire and Driver Side J/B (Lower Finish Panel)
2J	83	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)

□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	112 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)
IA3	112 (LHD)	
	124 (RHD)	
IB2	112 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	124 (RHD)	
IC1	112 (LHD)	Front Door LH Wire and Floor Wire (Left Kick Panel)
	124 (RHD)	
ID1	124 (RHD)	Engine Wire and Instrument Panel Wire (Near the Passenger Side J/B)
ID2		
IF1	114 (LHD)	Engine Wire and Instrument Panel Wire (Near the Passenger Side J/B)
IF2	114 (LHD)	Engine Wire and Instrument Panel Wire (Near the Passenger Side J/B)
	126 (RHD)	Instrument Panel Wire and Engine Room Main Wire (Right Kick Panel)
IG2	114 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Right Kick Panel)
IH1	126 (RHD)	Front Door RH Wire and Floor Wire (Right Kick Panel)
II1	114 (LHD)	Front Door RH Wire and Floor Wire (Right Kick Panel)
	126 (RHD)	Instrument Panel Wire and Floor Wire (Right Kick Panel)
IJ1	114 (LHD)	Instrument Panel Wire and Floor Wire (Right Kick Panel)
BA1	116 (LHD 5-Door)	Rear Door LH Wire and Floor Wire (Left Side of Center Pillar)
	128 (RHD 5-Door)	
BB1	116 (LHD 5-Door)	Rear Door RH Wire and Floor Wire (Right Side of Center Pillar)
	128 (RHD 5-Door)	

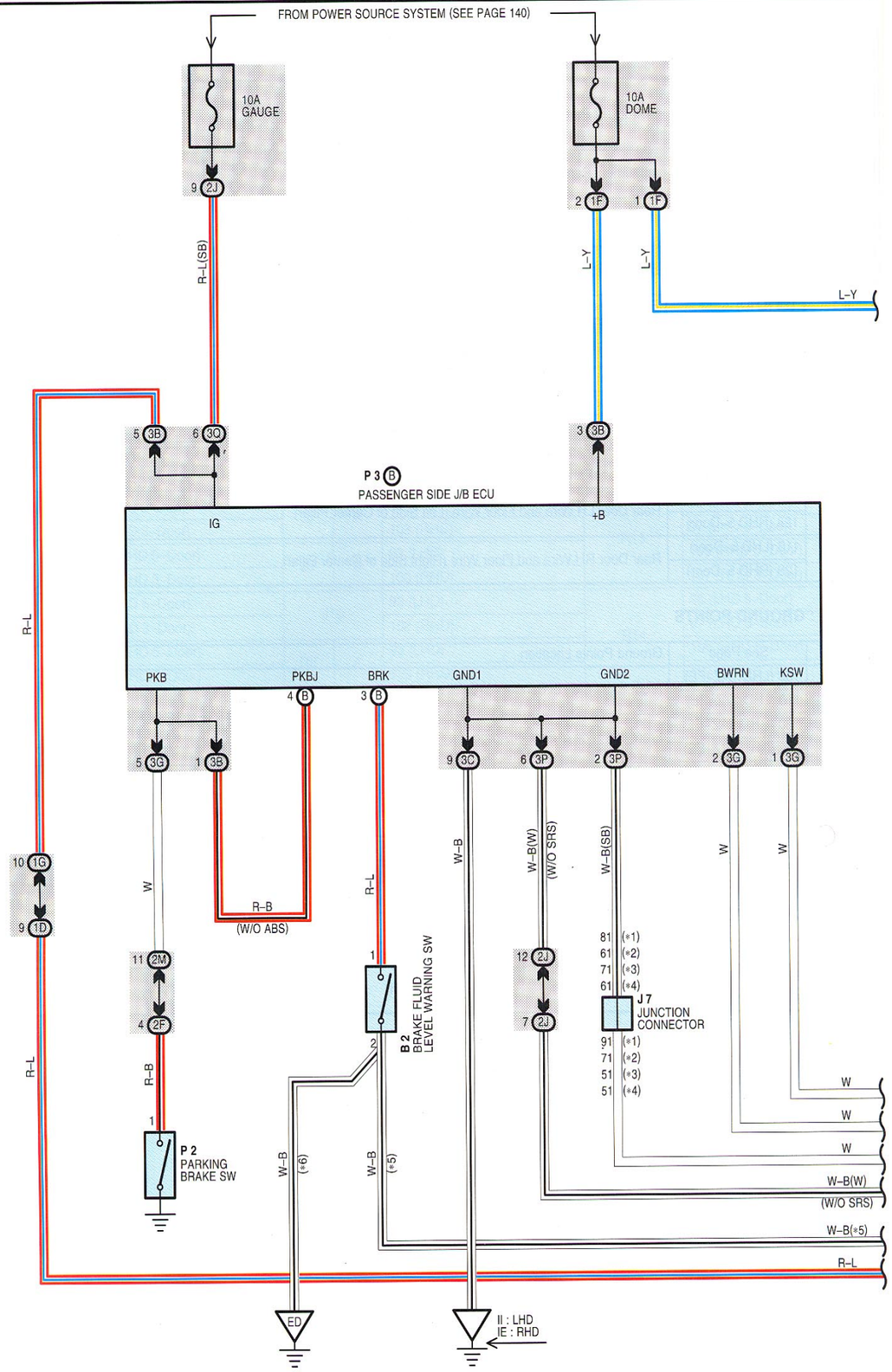
▽ : GROUND POINTS

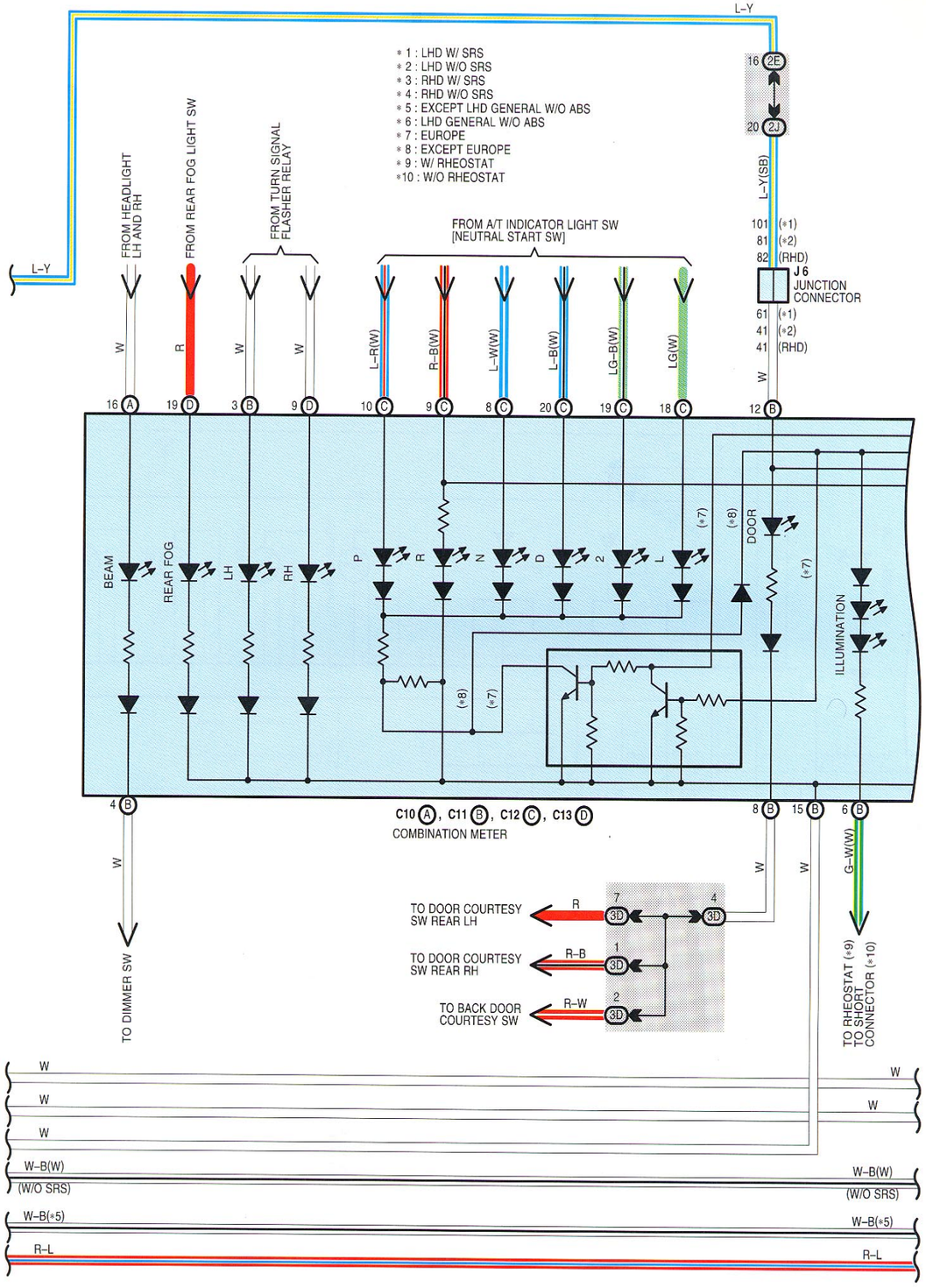
Code	See Page	Ground Points Location
EA	108 (LHD 1AZ-FE)	Front Right Side of Fender Apron
	110 (LHD 1ZZ-FE)	
ED	120 (RHD 1AZ-FE)	Front Left Side of Fender Apron
	122 (RHD 1ZZ-FE)	
IE	112 (LHD)	Left Kick Panel
	124 (RHD)	
IF	124 (RHD)	Left Side of Instrument Panel Brace
IH	112 (LHD)	Right Side of Instrument Panel Brace
II	124 (RHD)	Right Kick Panel

⬡ : SPLICE POINTS

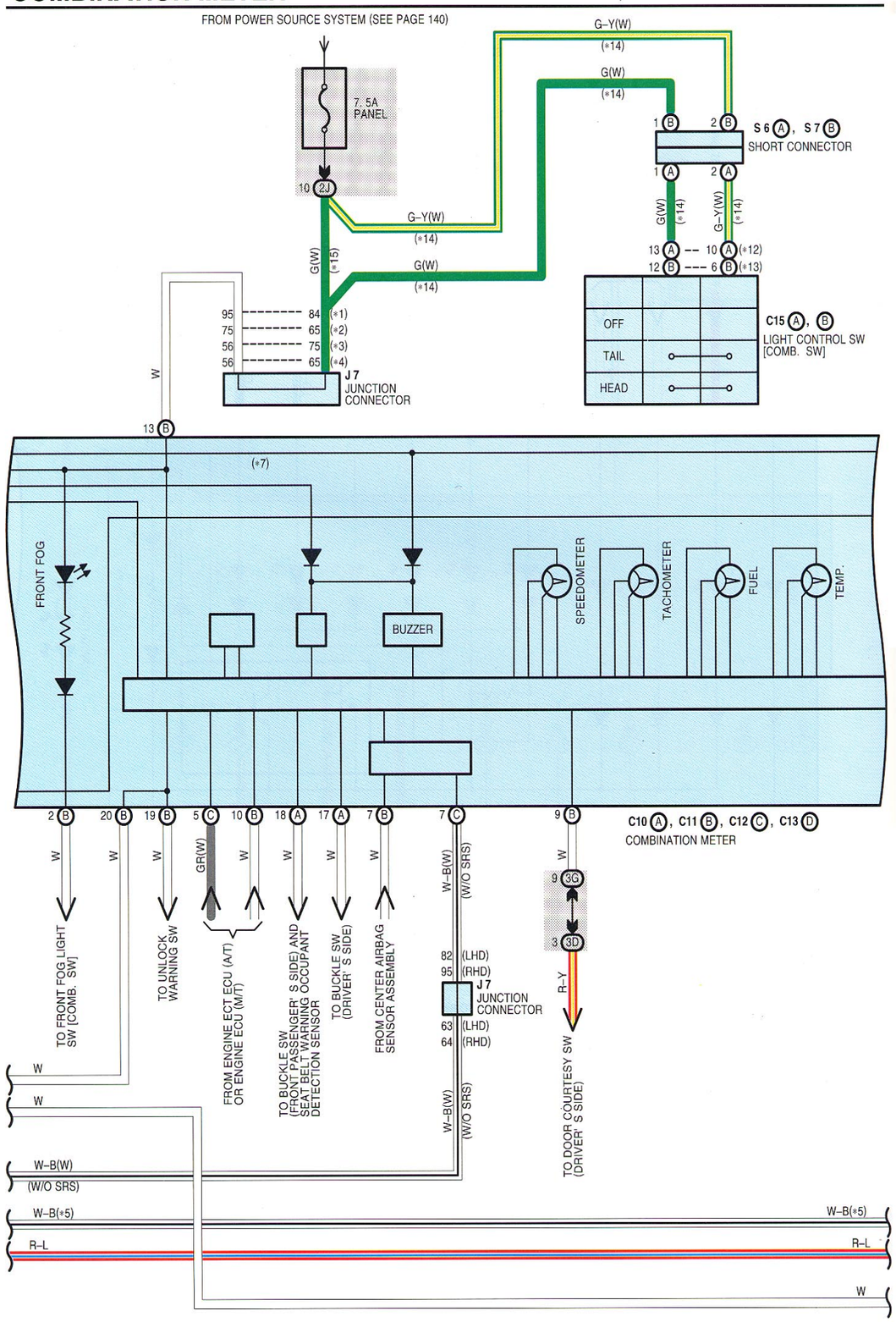
Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E1	108 (LHD 1AZ-FE)	Engine Wire	E1	120 (RHD 1AZ-FE)	Engine Wire
	110 (LHD 1ZZ-FE)			122 (RHD 1ZZ-FE)	

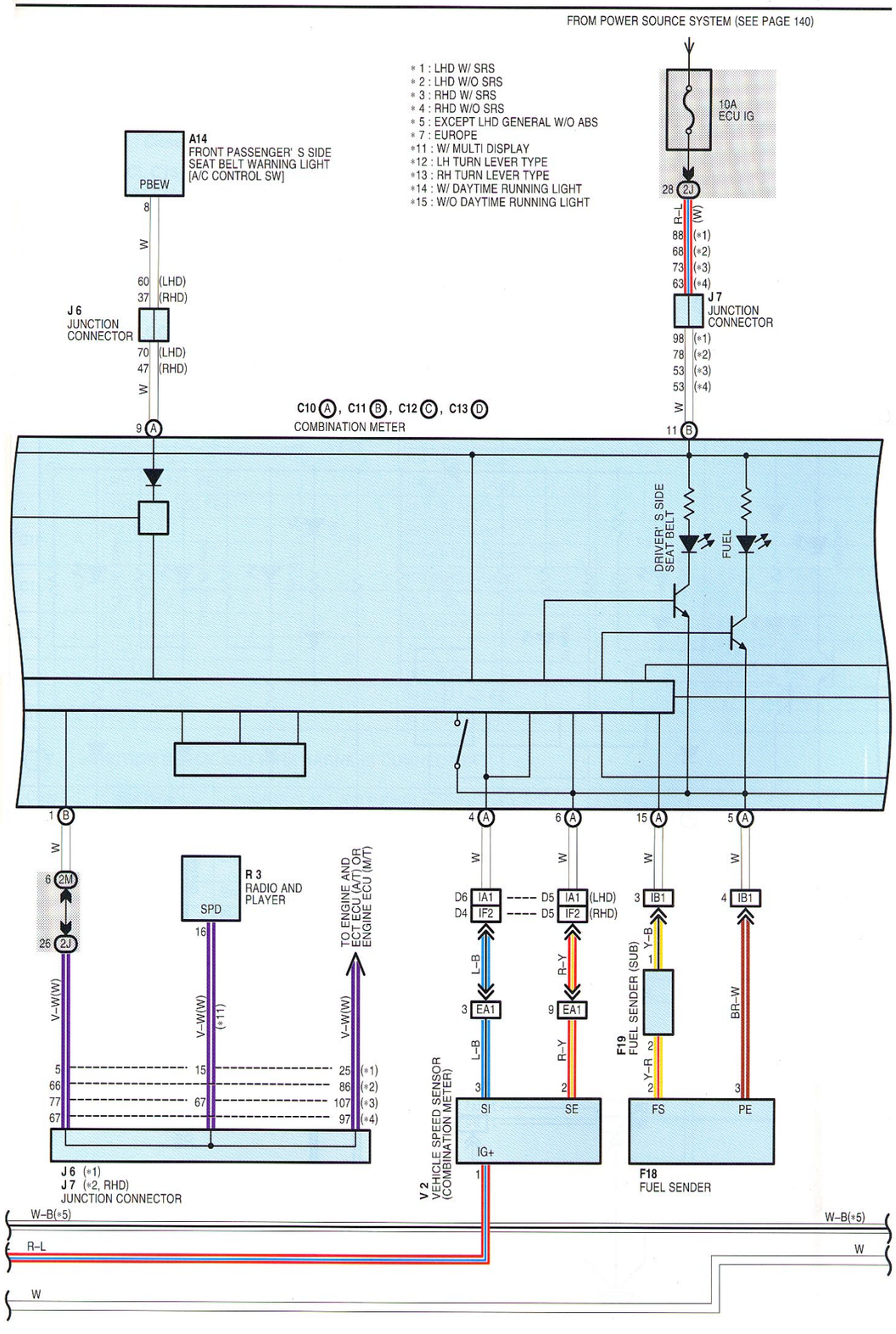
COMBINATION METER



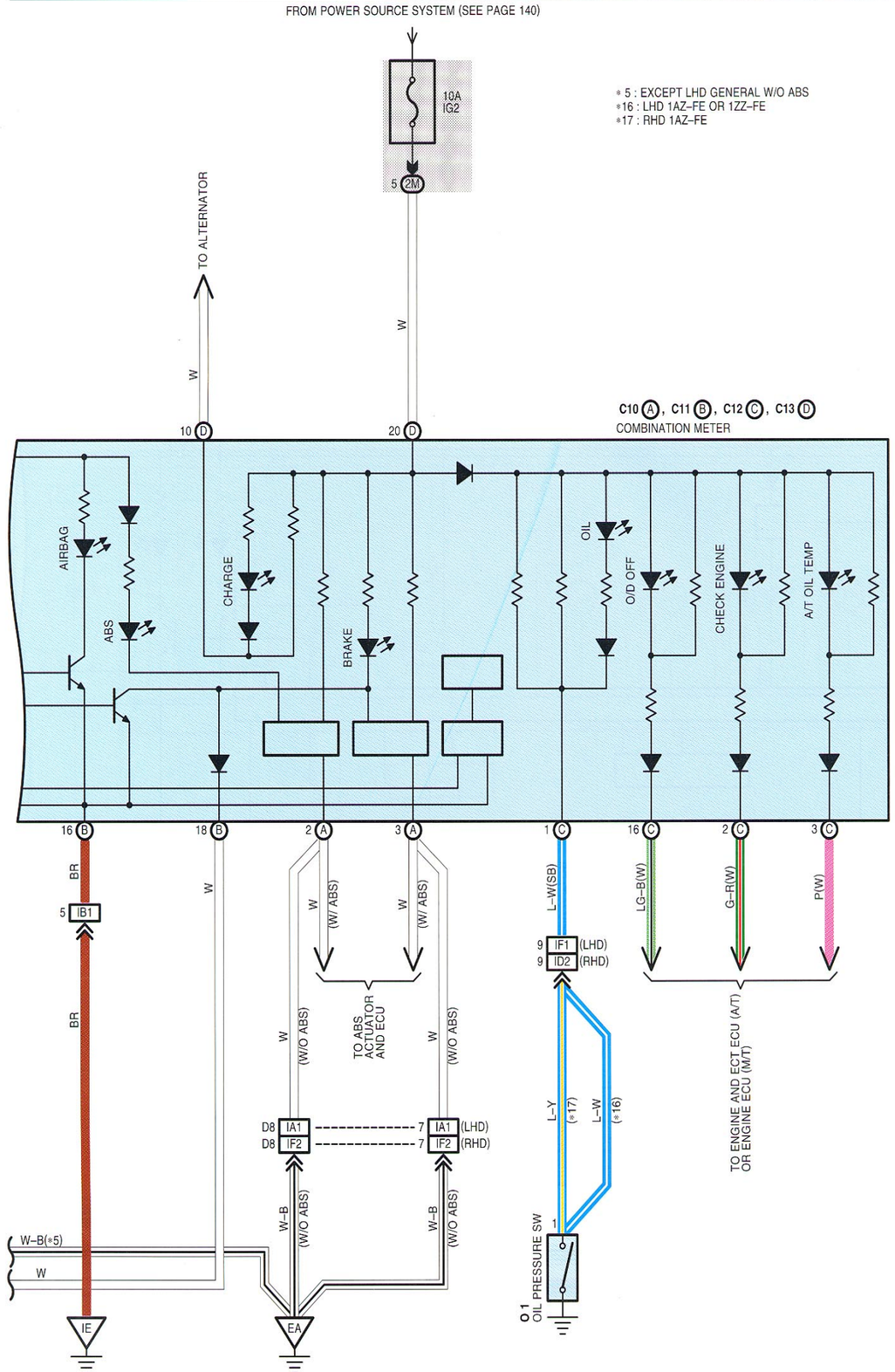


COMBINATION METER





COMBINATION METER



SERVICE HINTS

B2 BRAKE FLUID LEVEL WARNING SW

1-2 : Closed with the float down

P4 PARKING BRAKE SW

1-GROUND : Closed with the parking brake lever released

C11 (B), C12 (C), C13 (D) COMBINATION METER

(B) 12-GROUND : Always approx. **12** volts
(B) 11, (D) 20-GROUND : Approx. **12** volts with the ignition SW at **ON** position
(B) 15-GROUND : Always continuity
(B) 16-GROUND : Always continuity
(C) 7-GROUND : Always continuity

○ : PARTS LOCATION

Code		See Page
A14		92 (LHD)
		102 (RHD)
B2		88 (LHD 1AZ-FE)
		90 (LHD 1ZZ-FE)
		98 (RHD 1AZ-FE)
		100 (RHD 1ZZ-FE)
C10	A	92 (LHD)
		102 (RHD)
C11	B	92 (LHD)
		102 (RHD)
C12	C	92 (LHD)
		102 (RHD)
C13	D	92 (LHD)
		102 (RHD)
C15	A	92 (LHD)
C15	B	92 (LHD)
F18		94 (LHD 5-Door)
		96 (LHD 3-Door)
		104 (RHD 5-Door)
		106 (RHD 3-Door)
F19		94 (LHD 5-Door)
		96 (LHD 3-Door)
		104 (RHD 5-Door)
		106 (RHD 3-Door)
J6		93 (LHD)
		103 (RHD)
J7		93 (LHD)
		103 (RHD)
O1		89 (LHD 1AZ-FE)
		91 (LHD 1ZZ-FE)
O1		99 (RHD 1AZ-FE)
		101 (RHD 1ZZ-FE)
P2		93 (LHD)
		103 (RHD)
P3	B	93 (LHD)
		103 (RHD)
R3		93 (LHD)
		103 (RHD)
S6	A	93 (LHD)
S7	B	93 (LHD)
V2		89 (LHD 1AZ-FE)
		91 (LHD 1ZZ-FE)
		99 (RHD 1AZ-FE)
		101 (RHD 1ZZ-FE)

⬭ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1D	80	Engine Wire and Engine Room J/B (Engine Compartment Left)
1F	80	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
1G		
2E	82	Engine Room Main Wire and Driver Side J/B (Lower Finish Panel)
2F	82	Floor Wire and Driver Side J/B (Lower Finish Panel)
2J	83	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)
2M		
3B	86	Engine Room Main Wire and Passenger Side J/B (Behind the Glove Box)
3C	86	Floor Wire and Passenger Side J/B (Behind the Glove Box)
3D		
3G	86	Instrument Panel Wire and Passenger Side J/B (Behind the Glove Box)
3P		
3Q		

COMBINATION METER

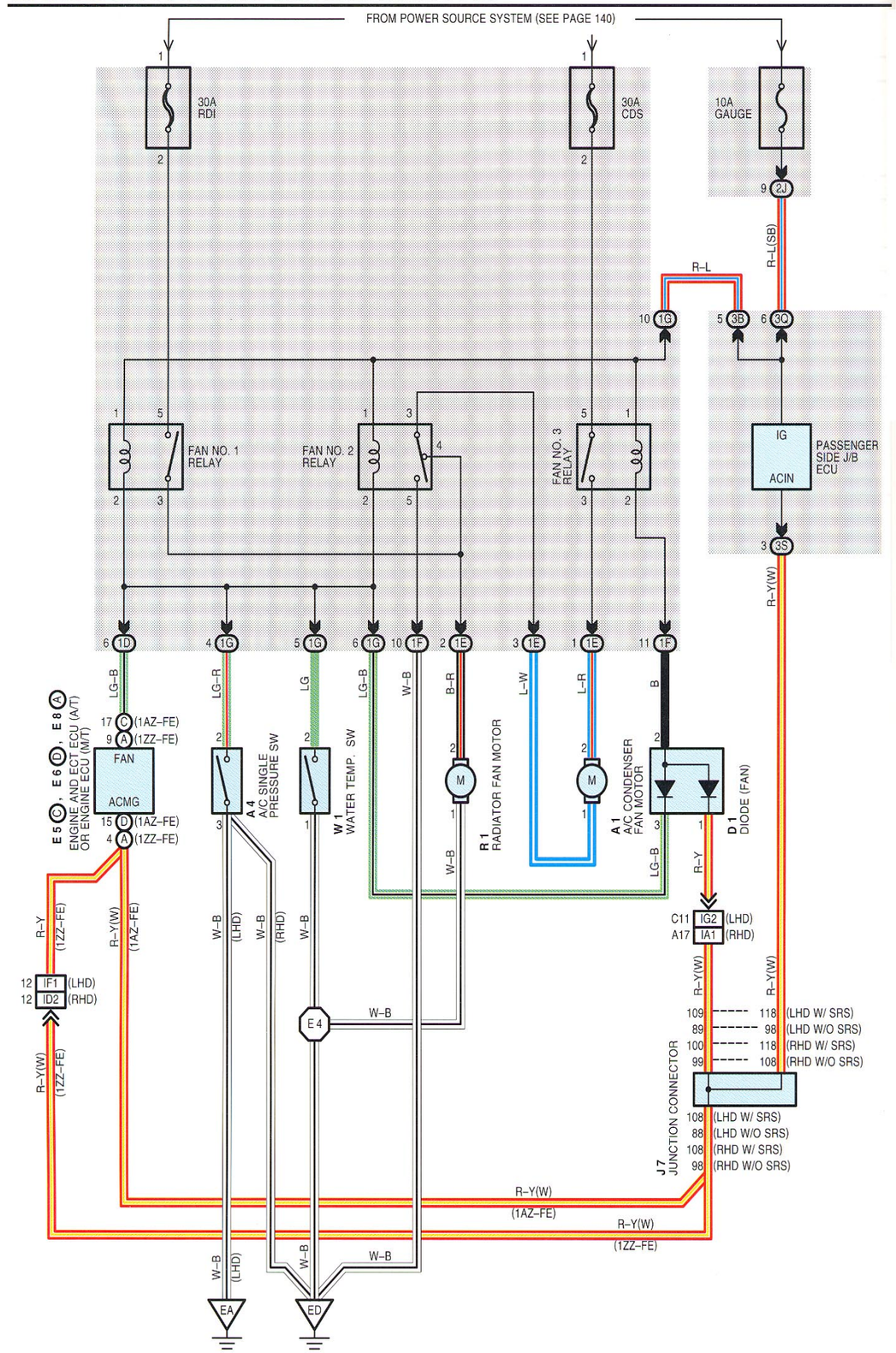
□ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EA1	108 (LHD 1AZ-FE)	Engine Wire and Engine Room Main Wire (Under the Engine Room J/B)
	110 (LHD 1ZZ-FE)	
	120 (RHD 1AZ-FE)	
	122 (RHD 1ZZ-FE)	
IA1	112 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)
IB1	112 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	124 (RHD)	
ID2	124 (RHD)	Engine Wire and Instrument Panel Wire (Near the Passenger Side J/B)
IF1	114 (LHD)	Engine Wire and Instrument Panel Wire (Near the Passenger Side J/B)
IF2	126 (RHD)	Instrument Panel Wire and Engine Room Main Wire (Right Kick Panel)

▽ : GROUND POINTS

Code	See Page	Ground Points Location
EA	108 (LHD 1AZ-FE)	Front Right Side of Fender Apron
	110 (LHD 1ZZ-FE)	
	120 (RHD 1AZ-FE)	
	122 (RHD 1ZZ-FE)	
ED	108 (LHD 1AZ-FE)	Front Left Side of Fender Apron
	110 (LHD 1ZZ-FE)	
	120 (RHD 1AZ-FE)	
	122 (RHD 1ZZ-FE)	
IE	112 (LHD)	Left Kick Panel
	124 (RHD)	
II	112 (LHD)	Right Kick Panel

RADIATOR FAN AND CONDENSER FAN



SYSTEM OUTLINE

The radiator fan motor and A/C condenser fan motor operates according to the engine coolant temp. SW, A/C single pressure SW, the engine system condition, and the A/C system condition. The FAN NO.1 relay, FAN NO.2 relay, FAN NO.3 relay are turned on/off, to operate the fan motors at low speed (In series), or high speed (In parallel).

1. LOW SPEED OPERATION

Either when the A/C system is operating, the radiator fan motor and A/C condenser fan motor operates at low speed.

2. HIGH SPEED OPERATION

When either the engine coolant temp. SW or A/C single pressure SW is, or both of them are turned on, the radiator fan motor and A/C condenser fan motor operate at high speed.

SERVICE HINTS

A4 A/C SINGLE PRESSURE SW

3-2 : Open above approx. **15.5** kgf/cm^2 (**224** psi, **1520** kpa)
Close below approx. **12.5** kgf/cm^2 (**181** psi, **1225** kpa)

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
A1	88 (LHD 1AZ-FE)	D1	102 (RHD)	R1	89 (LHD 1AZ-FE)
	90 (LHD 1ZZ-FE)	E5 C	92 (LHD)		91 (LHD 1ZZ-FE)
	98 (RHD 1AZ-FE)		102 (RHD)		99 (RHD 1AZ-FE)
	100 (RHD 1ZZ-FE)	E6 D	92 (LHD)		101 (RHD 1ZZ-FE)
A4	88 (LHD 1AZ-FE)		102 (RHD)	W1	89 (LHD 1AZ-FE)
	90 (LHD 1ZZ-FE)	E8 A	92 (LHD)		91 (LHD 1ZZ-FE)
	98 (RHD 1AZ-FE)		102 (RHD)		99 (RHD 1AZ-FE)
	100 (RHD 1ZZ-FE)	J7	93 (LHD)		101 (RHD 1ZZ-FE)
D1	92 (LHD)		103 (RHD)		

⬭ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1D	80	Engine Wire and Engine Room J/B (Engine Compartment Left)
1E	80	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
1F		
1G		
2J	83	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)
3B	86	Engine Room Main Wire and Passenger Side J/B (Behind the Glove Box)
3Q	86	Instrument Panel Wire and Passenger Side J/B (Behind the Glove Box)
3S		

▭ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	124 (RHD)	Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)
ID2	124 (RHD)	Engine Wire and Instrument Panel Wire (Near the Passenger Side J/B)
IF1	114 (LHD)	Engine Wire and Instrument Panel Wire (Near the Passenger Side J/B)
IG2	114 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Right Kick Panel)

▽ : GROUND POINTS

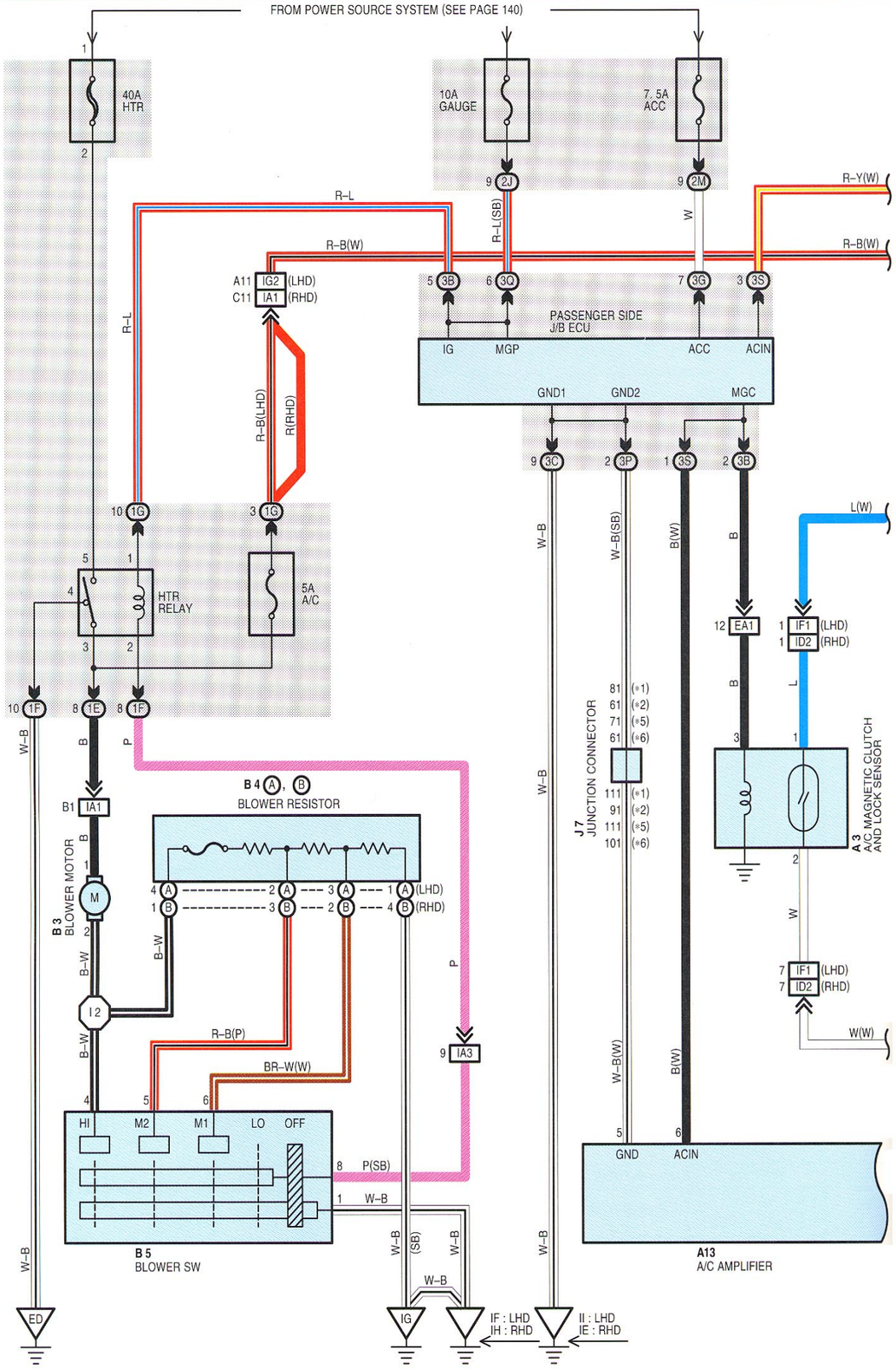
Code	See Page	Ground Points Location
EA	108 (LHD 1AZ-FE)	Front Right Side of Fender Apron
	110 (LHD 1ZZ-FE)	
ED	108 (LHD 1AZ-FE)	Front Left Side of Fender Apron
	110 (LHD 1ZZ-FE)	
	120 (RHD 1AZ-FE)	
	122 (RHD 1ZZ-FE)	

RADIATOR FAN AND CONDENSER FAN

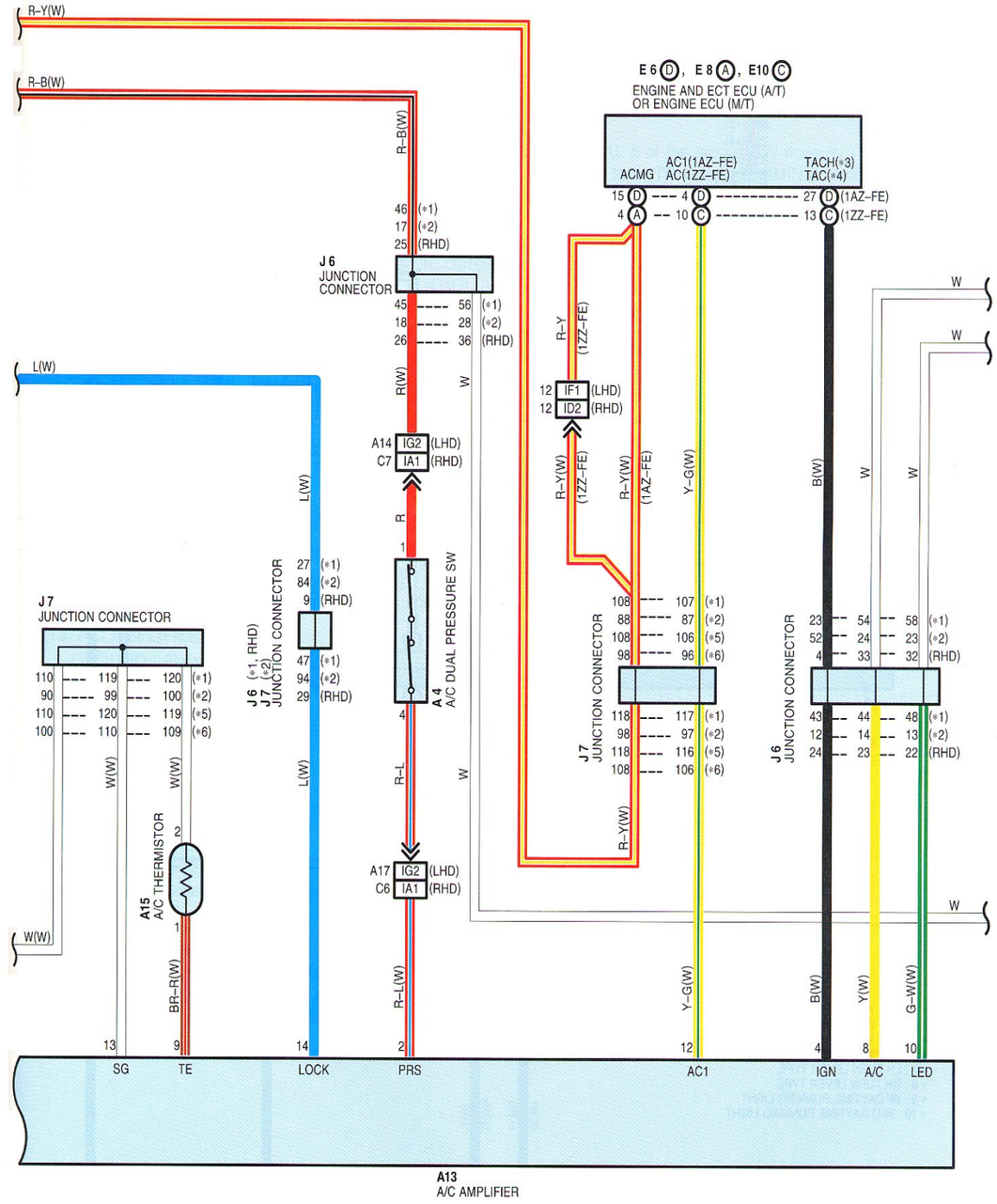
: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E4	108 (LHD 1AZ-FE)	Engine Room Main Wire	E4	120 (RHD 1AZ-FE)	Engine Room Main Wire
	110 (LHD 1ZZ-FE)			122 (RHD 1ZZ-FE)	

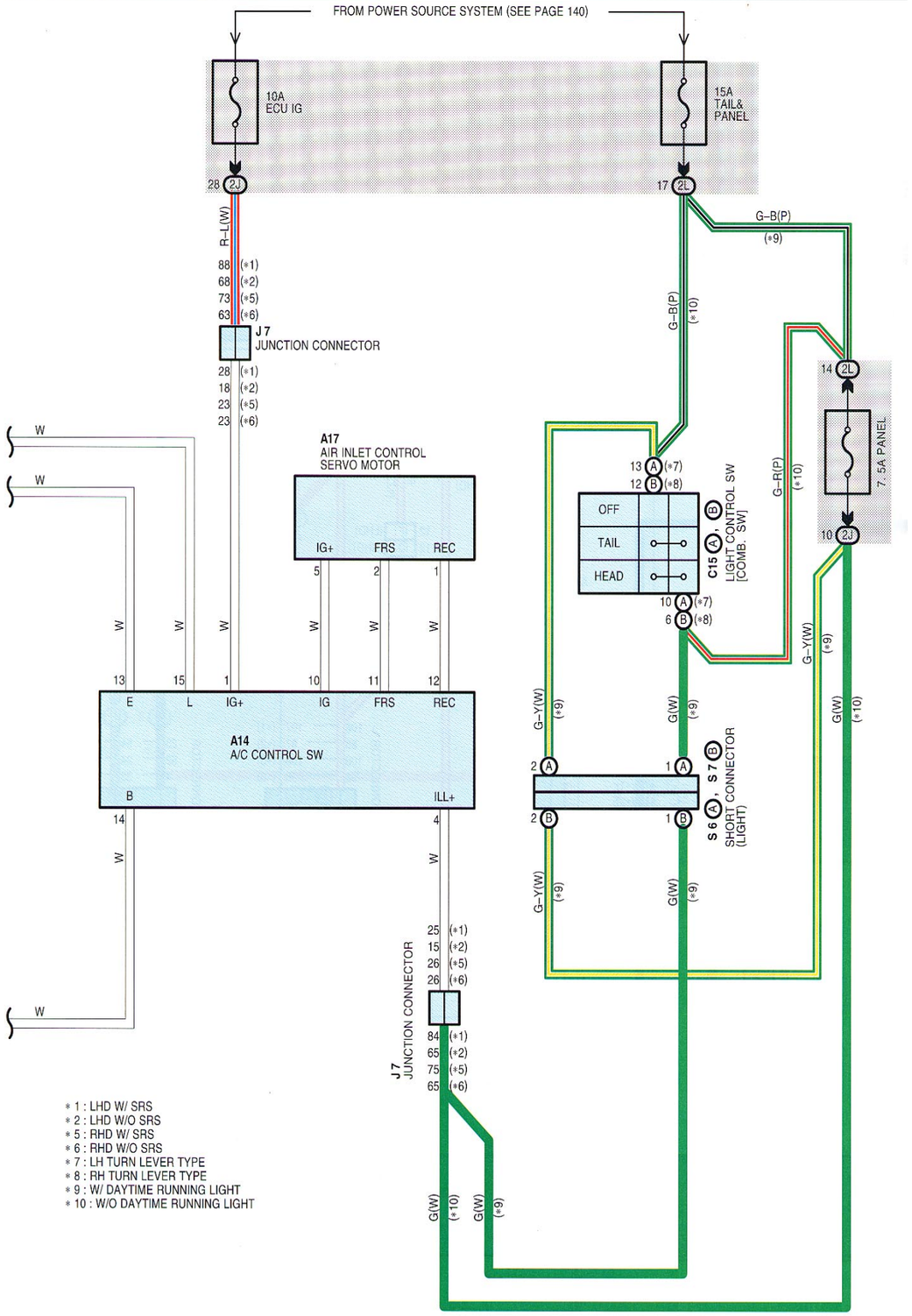
AIR CONDITIONER



* 1 : LHD W/ SRS
* 2 : LHD W/O SRS
* 3 : UNLEADED GASOLINE
* 4 : LEADED GASOLINE
* 5 : RHD W/ SRS
* 6 : RHD W/O SRS



AIR CONDITIONER



SYSTEM OUTLINE

HEATER BLOWER MOTOR OPERATION

Current is applied at all times through the HTR fuse to TERMINAL 5 of the HTR relay.
When the ignition SW is turned on, current flows through the GAUGE fuse to TERMINAL 1 of the HTR relay to TERMINAL 2 to TERMINAL 8 of the blower SW.

* Low speed operation
When the blower SW is moved to LO position, the current to TERMINAL 8 of the blower SW flows to TERMINAL 1 to GROUND, causing the heater relay is turned on. This causes the current to flow from the HTR fuse to TERMINAL 5 of the HTR relay to TERMINAL 3 to TERMINAL 1 of the blower motor to TERMINAL 2 to TERMINAL 4 (LHD), 1 (RHD) of the blower resistor to TERMINAL 1 (LHD), 4 (RHD) to GROUND, causing the blower motor to rotate at low speed.

* Medium speed operation (Operation at M1, M2)
When the blower SW is moved to M1 position, the current to TERMINAL 8 of the blower SW flows to TERMINAL 1 to GROUND, turns the HTR relay on. This causes the current to flow from the HTR fuse to TERMINAL 5 of the HTR relay to TERMINAL 3 to TERMINAL 1 of the blower motor to TERMINAL 2 to TERMINAL 4 (LHD), 1 (RHD) of the blower resistor to TERMINAL 3 (LHD), 2 (RHD) to TERMINAL 6 of the blower SW to TERMINAL 1 to GROUND. At this time, the blower resistance of the blower resistor is less than at low speed, so the blower motor rotates at medium low speed.
When the blower SW is moved to M2 position, current flowing through the motor flows from TERMINAL 4 (LHD), 1 (RHD) of the blower resistor to TERMINAL 2 (LHD), 3 (RHD) to TERMINAL 5 of the blower SW to TERMINAL 1 to GROUND. At this time, resistance of the blower resistor is less than at M1 position, so the blower motor rotates at medium high speed.

* High speed operation
When the blower SW is moved to HI position, the current flows to TERMINAL 8 of the blower SW to TERMINAL 1 to GROUND and turns the HTR relay on.
This causes the current to flow from the HTR fuse to TERMINAL 5 of the HTR relay to TERMINAL 3 to TERMINAL 1 of the blower motor to TERMINAL 2 to TERMINAL 4 of the blower SW to TERMINAL 1 to GROUND, causing the blower motor to rotate at high speed.

SERVICE HINTS

A4 A/C DUAL PRESSURE SW

1–4 : Open with the pressure less than **2.0** kgf/cm^2 (**28** psi, **196** kpa) or above **32** kgf/cm^2 (**455** psi, **3138** kpa)

A13 A/C AMPLIFIER

5–GROUND : Always continuity
2–GROUND : Approx. **12** volts with the ignition SW on, the blower SW on and the A/C dual pressure SW close

B4 (A) BLOWER RESISTOR (LHD)

(A) 4–(A) 2 : Approx. **0.4** Ω
(A) 4–(A) 3 : Approx. **1.1** Ω
(A) 4–(A) 1 : Approx. **2.9** Ω

B4 (B) BLOWER RESISTOR (RHD)

(B) 1–(B) 3 : Approx. **0.4** Ω
(B) 1–(B) 2 : Approx. **1.1** Ω
(B) 1–(B) 4 : Approx. **2.9** Ω

B5 BLOWER SW

8–1 : Continuity with the blower SW at **LO**, **M1**, **M2** or **HI** position
6–1 : Continuity with the blower SW at **M1** position
5–1 : Continuity with the blower SW at **M2** position
4–1 : Continuity with the blower SW at **HI** position

AIR CONDITIONER

○ : PARTS LOCATION

Code	See Page	Code	See Page	Code	See Page
A3	88 (LHD 1AZ-FE)	A15	102 (RHD)	E6 D	102 (RHD)
	90 (LHD 1ZZ-FE)	A17	92 (LHD)	E8 A	92 (LHD)
	98 (RHD 1AZ-FE)		102 (RHD)		102 (RHD)
	100 (RHD 1ZZ-FE)	B3	92 (LHD)	E10 C	92 (LHD)
A4	88 (LHD 1AZ-FE)		102 (RHD)		102 (RHD)
	90 (LHD 1ZZ-FE)	B4 A	92 (LHD)	J6	93 (LHD)
	98 (RHD 1AZ-FE)	B	102 (RHD)		103 (RHD)
	100 (RHD 1ZZ-FE)	B5	92 (LHD)	J7	93 (LHD)
A13	92 (LHD)		102 (RHD)		103 (RHD)
	102 (RHD)	C15 A	92 (LHD)	S6 A	93 (LHD)
A14	92 (LHD)		102 (RHD)	S7 B	93 (LHD)
	102 (RHD)	B	102 (RHD)		
A15	92 (LHD)	E6 D	92 (LHD)		

⬭ : JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1E	80	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
1F		
1G		
2J	83	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)
2L		
2M		
3B	86	Engine Room Main Wire and Passenger Side J/B (Behind the Glove Box)
3C	86	Floor Wire and Passenger Side J/B (Behind the Glove Box)
3G	86	Instrument Panel Wire and Passenger Side J/B (Behind the Glove Box)
3P		
3Q		
3S		

▭ : CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EA1	108 (LHD 1AZ-FE)	Engine Wire and Engine Room Main Wire (Under the Engine Room J/B)
	110 (LHD 1ZZ-FE)	
	120 (RHD 1AZ-FE)	
	122 (RHD 1ZZ-FE)	
IA1	112 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)
	124 (RHD)	
IA3	112 (LHD)	
	124 (RHD)	
ID2	124 (RHD)	Engine Wire and Instrument Panel Wire (Near the Passenger Side J/B)
IF1	114 (LHD)	Engine Wire and Instrument Panel Wire (Near the Passenger Side J/B)
IG2	114 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Right Kick Panel)

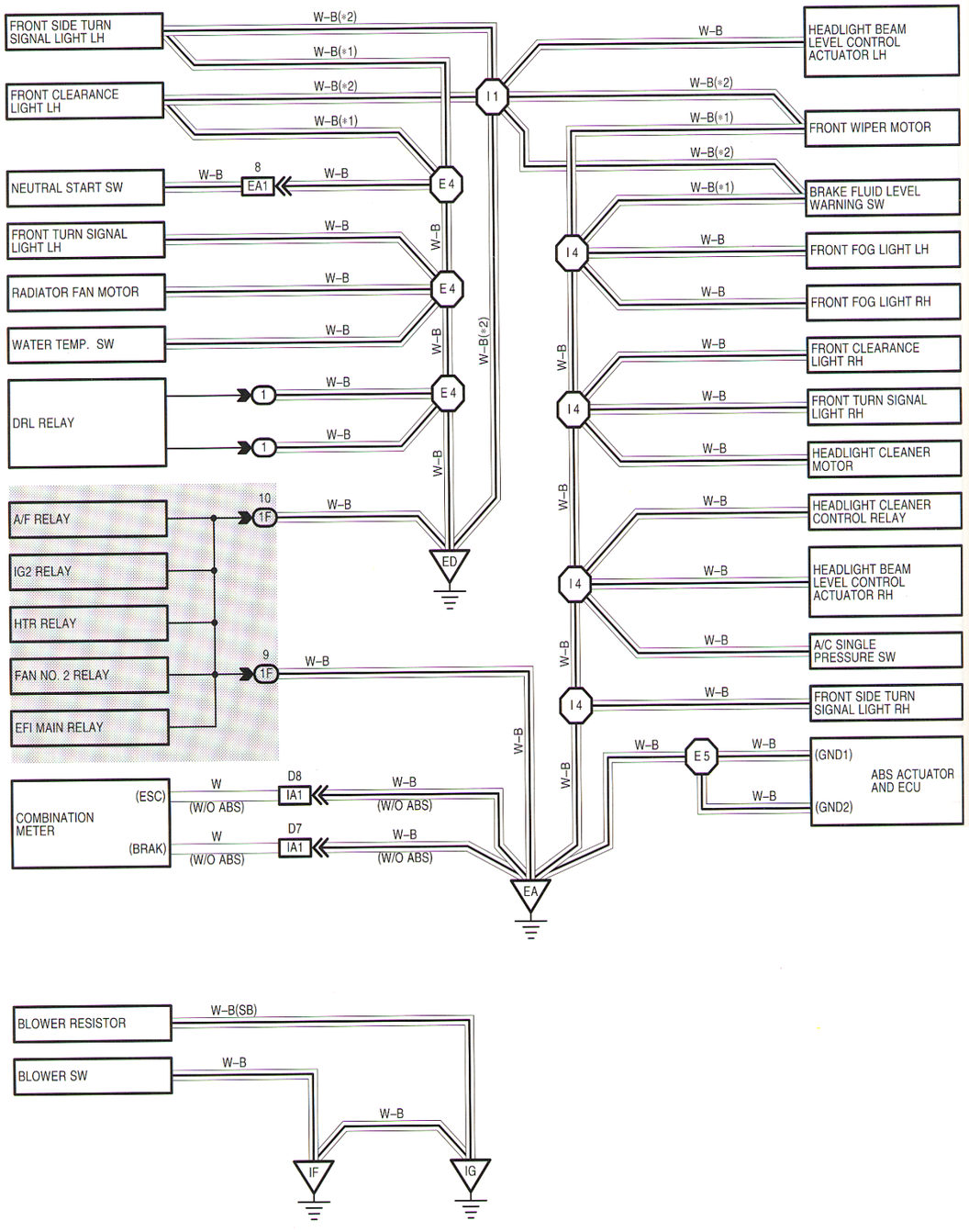
▽ : GROUND POINTS

Code	See Page	Ground Points Location
ED	108 (LHD 1AZ-FE)	Front Left Side of Fender Apron
	110 (LHD 1ZZ-FE)	
	120 (RHD 1AZ-FE)	
	122 (RHD 1ZZ-FE)	
IE	124 (RHD)	Left Kick Panel
IF	112 (LHD)	Left Side of Instrument Panel Brace
IG	112 (LHD)	Right Side of Instrument Panel Brace
	124 (RHD)	Left Side of Instrument Panel Brace
IH	124 (RHD)	Right Side of Instrument Panel Brace
II	112 (LHD)	Right Kick Panel

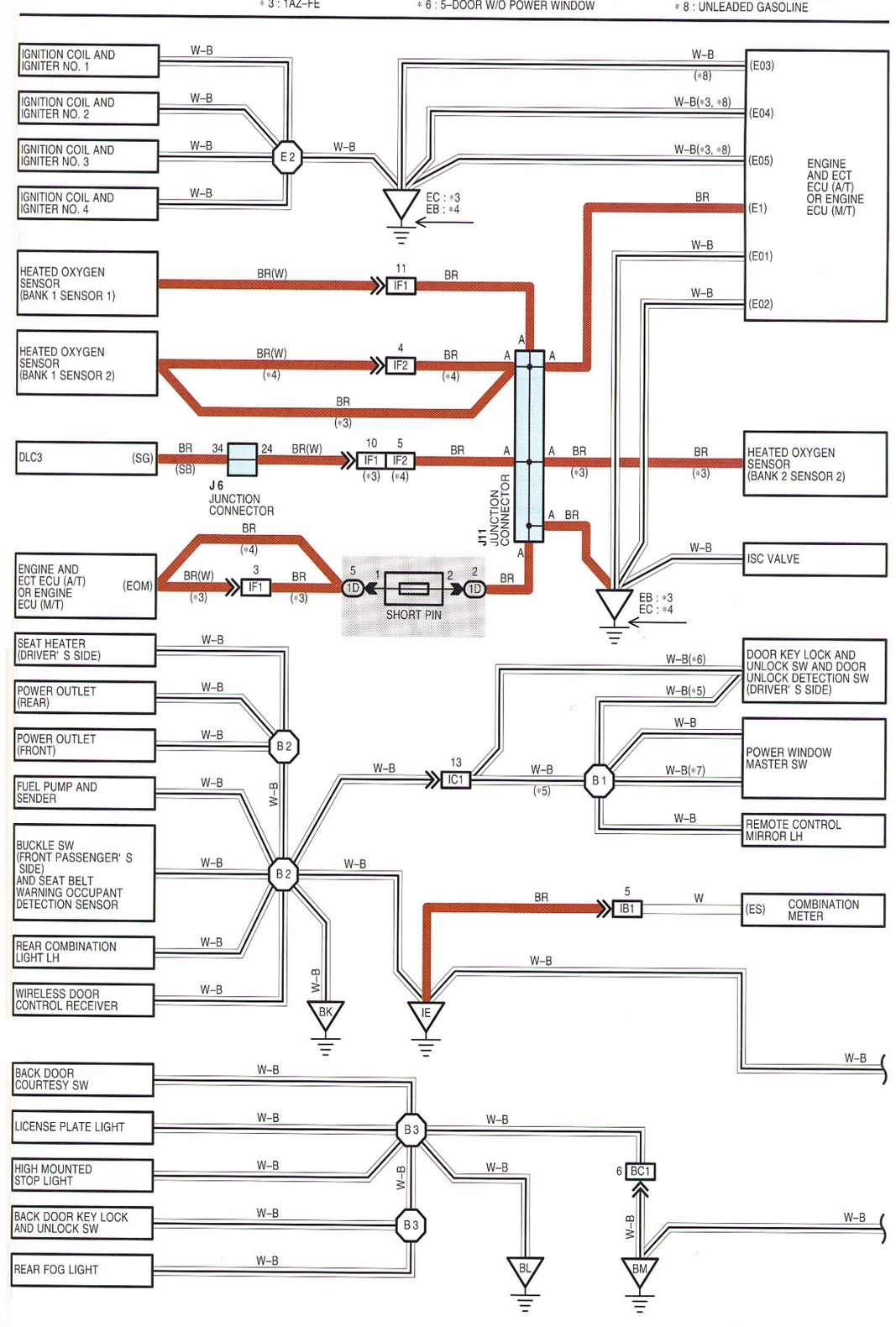
⬡ : SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I2	114 (LHD)	Instrument Panel Wire	I2	126 (RHD)	Instrument Panel Wire

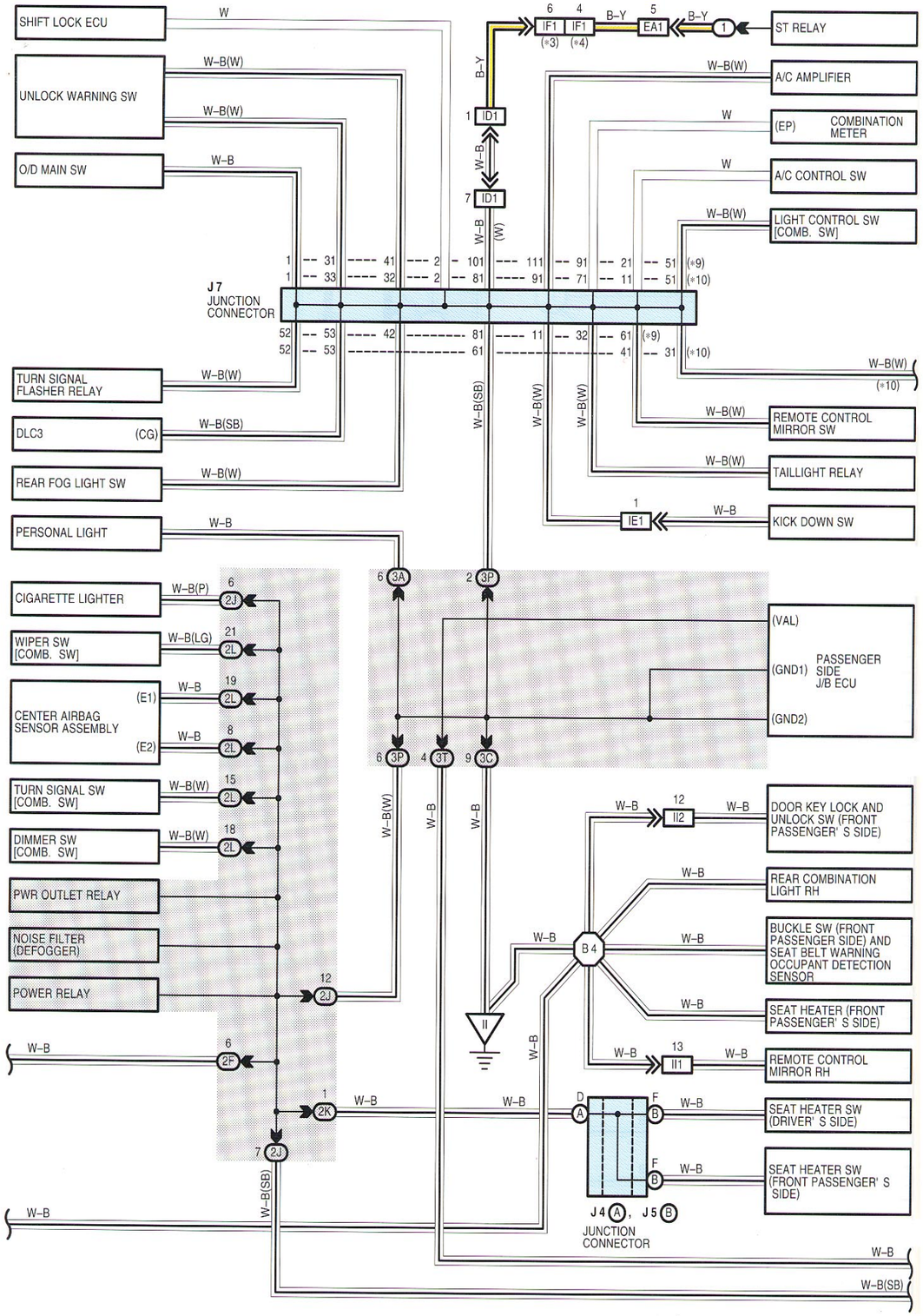
I GROUND POINT (LHD)

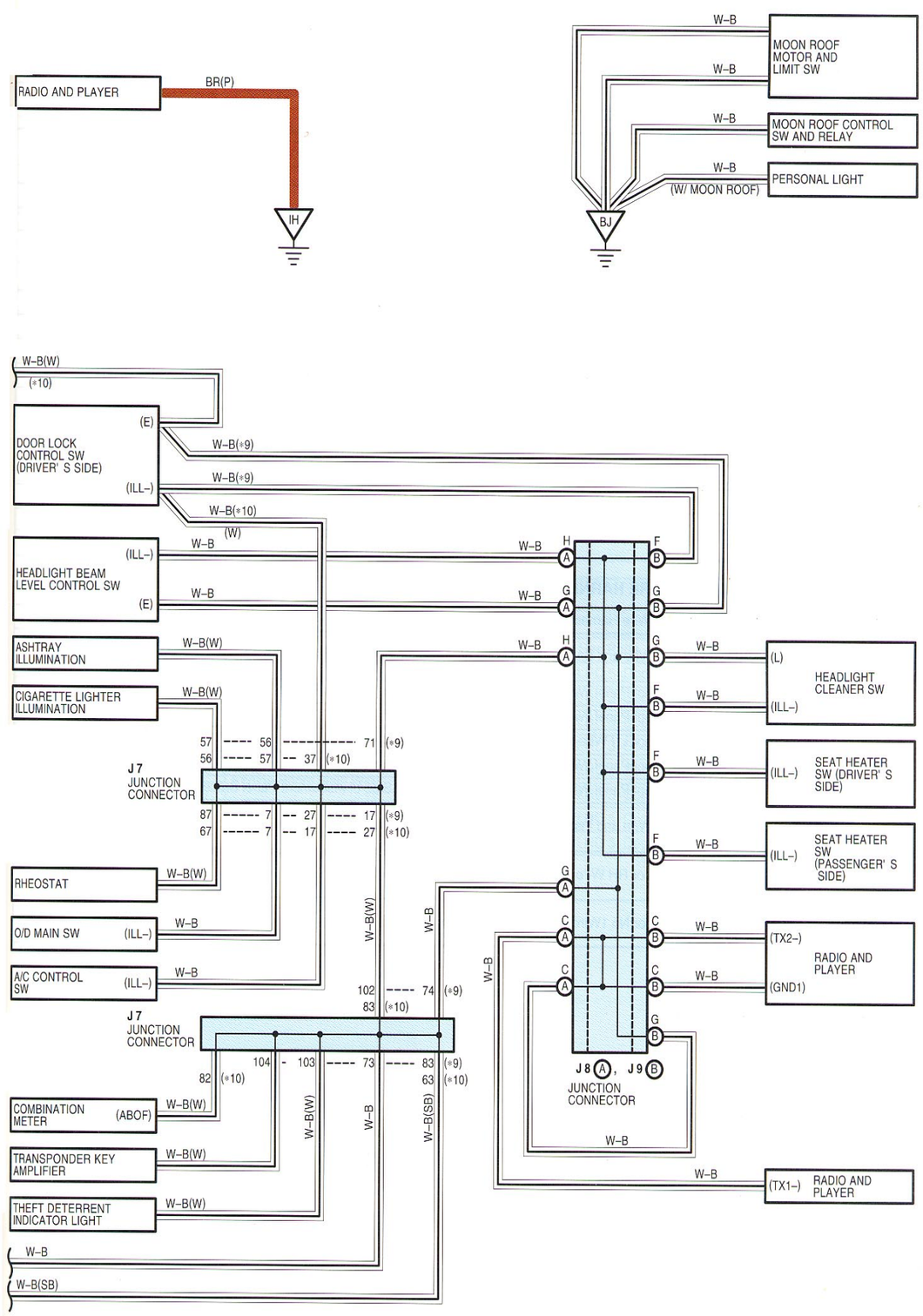


＊1 : GENERAL W/O ABS
＊2 : EXCEPT ＊1
＊3 : 1AZ–FE
＊4 : 1ZZ–FE
＊5 : 5–DOOR W/ POWER WINDOW, 3–DOOR
＊6 : 5–DOOR W/O POWER WINDOW
＊7 : W/ REAR POWER WINDOW
＊8 : UNLEADED GASOLINE



I GROUND POINT (LHD)





I GROUND POINT (LHD)

: PARTS LOCATION

Code		See Page	Code		See Page	Code	See Page
J4	A	93 (LHD)	J7		93 (LHD)	J11	93 (LHD)
J5	B	93 (LHD)	J8	A	93 (LHD)		
J6		93 (LHD)	J9	B	93 (LHD)		

: RELAY BLOCKS

Code	See Page	Relay Blocks (Relay Block Location)
1	79	Engine Room R/B (Engine Compartment Left)

: JUNCTION BLOCK AND WIRE HARNESS CONNECTOR

Code	See Page	Junction Block and Wire Harness (Connector Location)
1D	80	Engine Wire and Engine Room J/B (Engine Compartment Left)
1F	80	Engine Room Main Wire and Engine Room J/B (Engine Compartment Left)
2F	82	Floor Wire and Driver Side J/B (Lower Finish Panel)
2J	83	Instrument Panel Wire and Driver Side J/B (Lower Finish Panel)
2K		
2L		
3A	86	Roof Wire and Passenger Side J/B (Behind the Glove Box)
3C	86	Floor Wire and Passenger Side J/B (Behind the Glove Box)
3P	86	Instrument Panel Wire and Passenger Side J/B (Behind the Glove Box)
3T		

: CONNECTOR JOINING WIRE HARNESS AND WIRE HARNESS

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EA1	108 (LHD 1AZ-FE)	Engine Wire and Engine Room Main Wire (Under the Engine Room J/B)
	110 (LHD 1ZZ-FE)	
IA1	112 (LHD)	Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)
IB1	112 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
IC1	112 (LHD)	Front Door LH Wire and Floor Wire (Left Kick Panel)
ID1	112 (LHD)	Instrument Panel Wire and Switch Wire (Near the Driver Side J/B)
IE1	114 (LHD)	Instrument Panel Wire and Switch No.2 Wire (Left Side of Instrument Panel Brace)
IF1	114 (LHD)	Engine Wire and Instrument Panel Wire (Near the Passenger Side J/B)
IF2		
II1	114 (LHD)	Front Door RH Wire and Floor Wire (Right Kick Panel)
II2		
BC1	116 (LHD 5-Door)	Back Door No.1Wire and Floor Wire (Right Side of Back Door)
	118 (LHD 3-Door)	

: GROUND POINTS

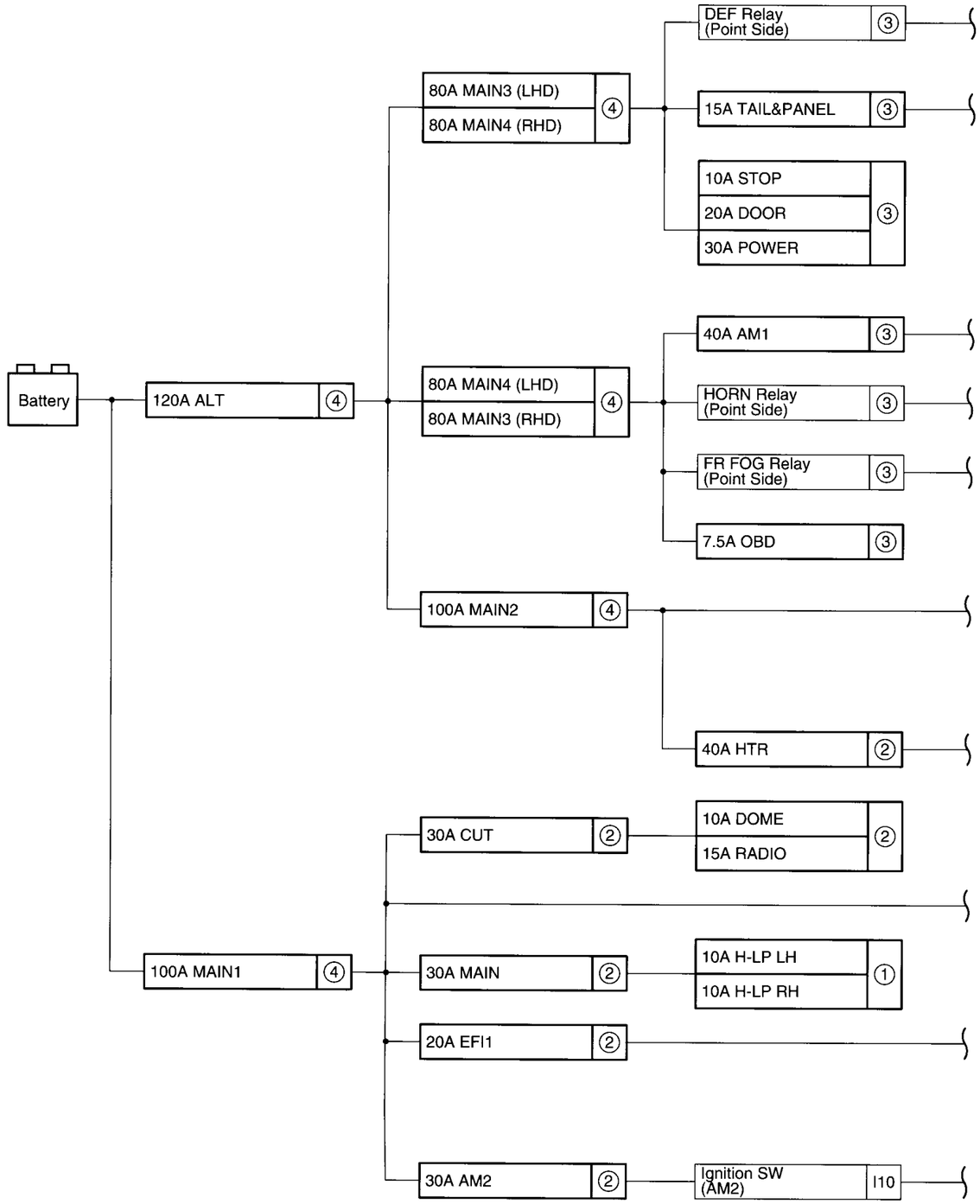
Code	See Page	Ground Points Location
EA	108 (LHD 1AZ-FE)	Front Right Side of Fender Apron
	110 (LHD 1ZZ-FE)	
EB	108 (LHD 1AZ-FE)	Intake Side of Cylinder Block
	110 (LHD 1ZZ-FE)	Left Side of Cylinder Head
EC	108 (LHD 1AZ-FE)	Left Side of Cylinder Head
	110 (LHD 1ZZ-FE)	
ED	108 (LHD 1AZ-FE)	Front Left Side of Fender Apron
	110 (LHD 1ZZ-FE)	
IE	112 (LHD)	Left Kick Panel
IF	112 (LHD)	Left Side of Instrument Panel Brace
IG	112 (LHD)	Right Side of Instrument Panel Brace
IH		
II	112 (LHD)	Right Kick Panel
BJ	116 (LHD 5-Door)	Behind the Moon Roof Control SW
	118 (LHD 3-Door)	
BK	116 (LHD 5-Door)	Left Side of Quarter Panel
	118 (LHD 3-Door)	
BL	116 (LHD 5-Door)	Center Side of Back Door
	118 (LHD 3-Door)	
BM	116 (LHD 5-Door)	Right Side of Quarter Panel
	118 (LHD 3-Door)	

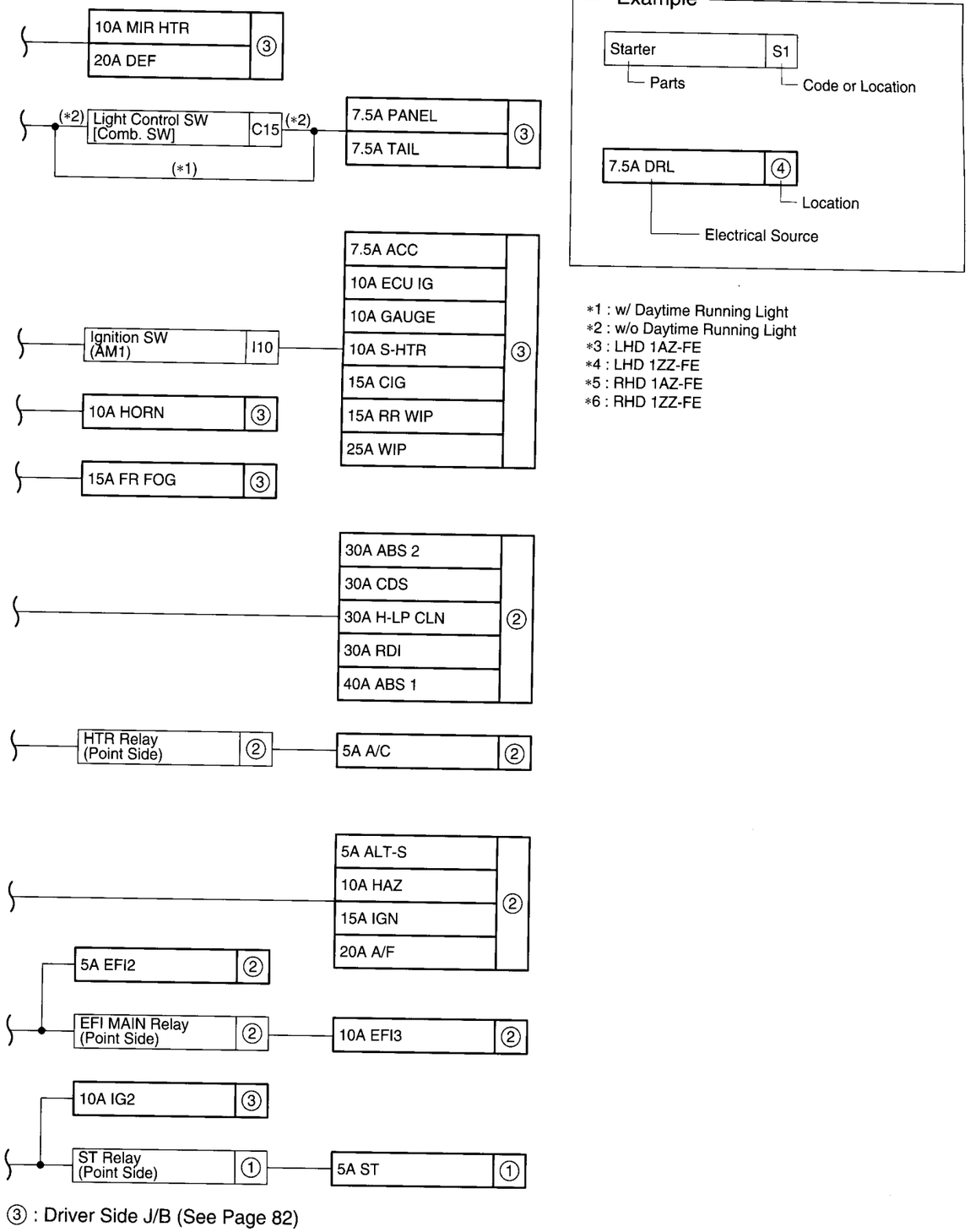
: SPLICE POINTS

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E2	108 (LHD 1AZ-FE)	Engine Wire	B1	116 (LHD 5-Door)	Front Door LH Wire
	110 (LHD 1ZZ-FE)			118 (LHD 3-Door)	
E4	108 (LHD 1AZ-FE)	Engine Room Main Wire	B2	116 (LHD 5-Door)	Floor Wire
	110 (LHD 1ZZ-FE)			118 (LHD 3-Door)	
E5	108 (LHD 1AZ-FE)		B3	116 (LHD 5-Door)	Back Door No.1 Wire
	110 (LHD 1ZZ-FE)			118 (LHD 3-Door)	
I1	114 (LHD)		B4	116 (LHD 5-Door)	Floor Wire
I4				118 (LHD 3-Door)	

J POWER SOURCE (Current Flow Chart)

The chart below shows the route by which current flows from the battery to each electrical source (Fusible Link, Circuit Breaker, Fuse, etc.) and other Parts.





Example

*1 : w/ Daytime Running Light
*2 : w/o Daytime Running Light
*3 : LHD 1AZ-FE
*4 : LHD 1ZZ-FE
*5 : RHD 1AZ-FE
*6 : RHD 1ZZ-FE

[LOCATION] ① : Engine Room R/B (See Page 79) ② : Engine Room J/B (See Page 80)
③ : Driver Side J/B (See Page 82)
④ : Fusible Link Block (F13,F14,F15 on See Page 88(*3),90(*4),98(*5) or 100(*6))

Engine Room R/B (See Page 79)

Fuse		System	Page
5A	ST	ECT and A/T Indicator	230
		Engine Control (1AZ-FE)	150
		Engine Control (1ZZ-FE)	162
		Starting and Ignition	144
10A	H-LP LH	Headlight (LHD)	174
		Headlight (RHD)	178
10A	H-LP RH	Headlight (LHD)	174
		Headlight (RHD)	178

Engine Room J/B (See Page 80)

Fuse		System	Page
5A	A/C	Air Conditioner	314
5A	ALT-S	Charging	148
5A	EFI2	ECT and A/T Indicator	230
		Engine Control (1AZ-FE)	150
		Engine Control (1ZZ-FE)	162
10A	DOME	Clock	222
		Combination Meter	302
		Door Lock Control (LHD)	258
		Door Lock Control (RHD)	264
		Double Locking	278
		Headlight (LHD)	174
		Headlight Beam Level Control	180
		Interior Light	204
		Key Reminder and Light Reminder Buzzer	292
		Moon Roof	254
		Power Window	250
		Rear Fog Light	188
		Seat Belt Warning	296
		Taillight	196
		Wireless Door Lock Control (LHD)	270
		Wireless Door Lock Control (RHD)	274
10A	EFI3	Engine Control (1AZ-FE)	150
		Engine Control (1ZZ-FE)	162
		Engine Immobiliser System	172
10A	HAZ	Turn Signal and Hazard Warning Light	192
15A	IGN	Engine Control (1AZ-FE)	150
		Engine Control (1ZZ-FE)	162
		Radio and Player	298
		Starting and Ignition	144
15A	RADIO	Radio and Player	298
20A	A/F	Engine Control (1AZ-FE)	150
20A	EFI1	ECT and A/T Indicator	230
		Engine Control (1AZ-FE)	150
		Engine Control (1ZZ-FE)	162
30A	ABS 2	ABS	238
30A	AM2	ECT and A/T Indicator	230
		Engine Control (1AZ-FE)	150
		Starting and Ignition	144
30A	CDS	Radiator Fan and Condenser Fan	310
30A	H-LP CLN	Headlight Cleaner	212
30A	RDI	Radiator Fan and Condenser Fan	310
40A	ABS 1	ABS	238
40A	HTR	Air Conditioner	314

Driver Side J/B (See Page 82)

Fuse		System	Page
7.5A	ACC	Air Conditioner	314
		Clock	222
		Door Lock Control (LHD)	258
		Door Lock Control (RHD)	264
		Interior Light	204
		Radio and Player	298
		Remote Control Mirror	284
		Shift Lock	248
		Wireless Door Lock Control (LHD)	270
		Wireless Door Lock Control (RHD)	274
7.5A	OBD	Engine Control (1AZ-FE)	150
		Engine Control (1ZZ-FE)	162
7.5A	PANEL	Air Conditioner	314
		Clock	222
		Combination Meter	302
		Front Fog Light	184
		Headlight Beam Level Control	180
		Illumination	200
		Key Reminder and Light Reminder Buzzer	292
		Rear Fog Light	188
		Rear Window Defogger and Mirror Heater	286
		Taillight	196
7.5A	TAIL	Engine Control (1AZ-FE)	150
		Engine Control (1ZZ-FE)	162
		Headlight Beam Level Control	180
		Taillight	196
10A	ECU IG	ABS	238
		Air Conditioner	314

* These are the page numbers of the first page on which the related system is shown.

* These are the page numbers of the first page on which the related system is shown.

J POWER SOURCE (Current Flow Chart)

Fuse		System	Page
10A	ECU IG	Combination Meter	302
		Engine Control (1AZ-FE)	150
		Engine Control (1ZZ-FE)	162
		Headlight Cleaner	212
		Key Reminder and Light Reminder Buzzer	292
		Power Window	250
		Radio and Player	298
		Rear Window Defogger and Mirror Heater	286
		Seat Belt Warning	296
		Shift Lock	248
		SRS	243
		Turn Signal and Hazard Warning Light	192
10A	GAUGE	ABS	238
		Air Conditioner	314
		Back-Up Light	210
		Charging	148
		Combination Meter	302
		Door Lock Control (LHD)	258
		Door Lock Control (RHD)	264
		Double Locking	278
		ECT and A/T Indicator	230
		Engine Control (1AZ-FE)	150
		Engine Control (1ZZ-FE)	162
		Headlight (LHD)	174
		Headlight Beam Level Control	180
		Interior Light	204
		Moon Roof	254
		Power Window	250
		Radiator Fan and Condenser Fan	310
		Taillight	196
		Wireless Door Lock Control (LHD)	270
		Wireless Door Lock Control (RHD)	274
10A	HORN	Horn	228
10A	IG2	ABS	238
		Charging	148
		Combination Meter	302
		ECT and A/T Indicator	230
		Engine Control (1AZ-FE)	150
		Engine Control (1ZZ-FE)	162
		Radio and Player	298
		SRS	243
		Starting and Ignition	144
10A	MIR HTR	Rear Window Defogger and Mirror Heater	286
10A	S-HTR	Seat Heater	290

* These are the page numbers of the first page on which the related system is shown.

Fuse		System	Page
10A	STOP	ABS	238
		ECT and A/T Indicator	230
		Engine Control (1AZ-FE)	150
		Engine Control (1ZZ-FE)	162
		Shift Lock	248
		Stop Light	208
15A	CIG	Cigarette Lighter	224
15A	FR FOG	Front Fog Light	184
15A	POWER OUTLET	Power Outlet	226
15A	RR WIP	Rear Wiper and Washer	218
15A	TAIL&PANEL	Air Conditioner	314
		Clock	222
		Front Fog Light	184
		Headlight Beam Level Control	180
		Illumination	200
		Key Reminder and Light Reminder Buzzer	292
		Rear Fog Light	188
		Rear Window Defogger and Mirror Heater	286
		Taillight	196
20A	DEF	Engine Control (1AZ-FE)	150
		Engine Control (1ZZ-FE)	162
		Rear Window Defogger and Mirror Heater	286
20A	DOOR	Door Lock Control (LHD)	258
		Door Lock Control (RHD)	264
		Double Locking	278
		Interior Light	204
		Moon Roof	254
		Power Window	250
		Wireless Door Lock Control (LHD)	270
		Wireless Door Lock Control (RHD)	274
25A	WIP	Front Wiper and Washer	214
30A	POWER	Moon Roof	254
		Power Window	250
40A	AM1	Rear Window Defogger and Mirror Heater	286

Fusible Link Block (F13, F14, F15 on See Page 88 (LHD 1AZ-FE), 90 (LHD 1ZZ-FE), 98 (RHD 1AZ-FE) or 100 (RHD 1ZZ-FE))

Fuse		System	Page
80A	MAIN3	Front Fog Light	184
		Horn	228
		Rear Window Defogger and Mirror Heater	286
80A	MAIN4	Front Fog Light	184
		Horn	228
		Rear Window Defogger and Mirror Heater	286

* These are the page numbers of the first page on which the related system is shown.

J POWER SOURCE (Current Flow Chart)

Fuse		System	Page
100A	MAIN1	ECT and A/T Indicator	230
		Engine Control (1AZ-FE)	150
		Starting and Ignition	144
120A	ALT	Charging	148
		Front Fog Light	184
		Horn	228
		Rear Window Defogger and Mirror Heater	286

* These are the page numbers of the first page on which the related system is shown.

K CONNECTOR LIST

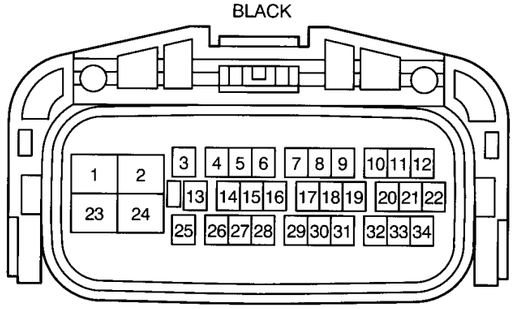
A1
BLACK

A2
BLACK

A3
GRAY

A4
GRAY

A5
BLACK



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GRAY

A7
GRAY

A8
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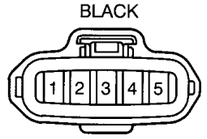
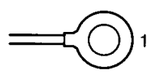


A9
GRAY

A10
GRAY

A11



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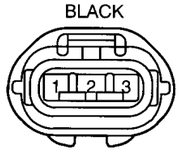

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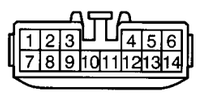

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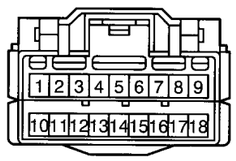

A15

A16
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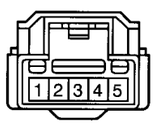
A17



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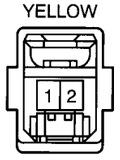

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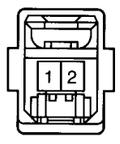


A20

A21

A22

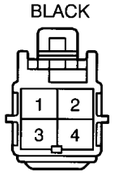
A23

B1
GRAY

B2
GRAY

B3
BLACK

B4
BLACK



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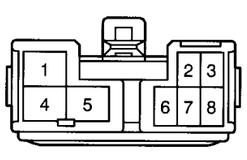

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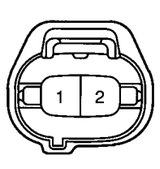

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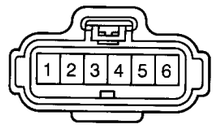

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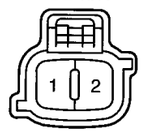

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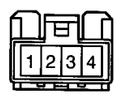
B10



C1
(1AZ-FE) BLACK

C1
(1ZZ-FE) BROWN

C2
(1AZ-FE) BLACK

C2
(1ZZ-FE) BROWN

C3
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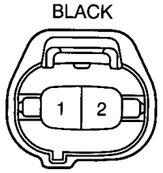
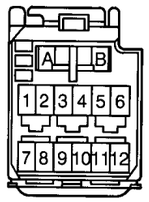


C4
GRAY

C5
YELLOW



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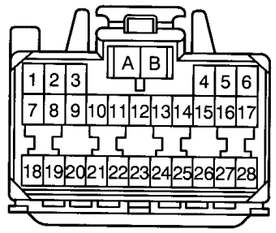

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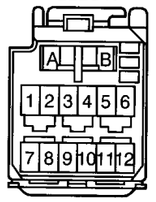
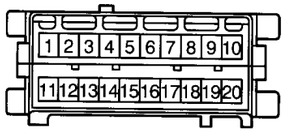


C8

C9

C10



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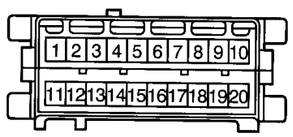

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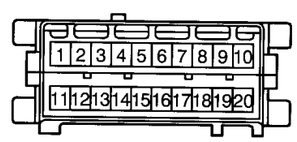

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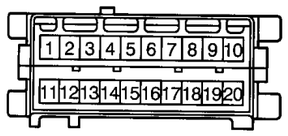

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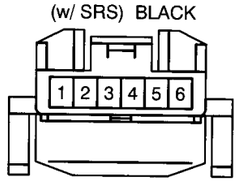
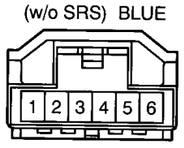


C14
(w/o SRS) BLUE



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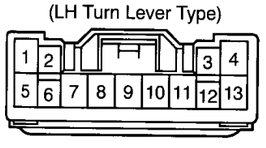
(LH Turn Lever Type)



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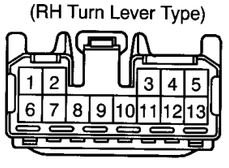

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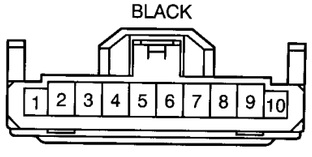
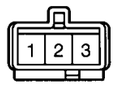


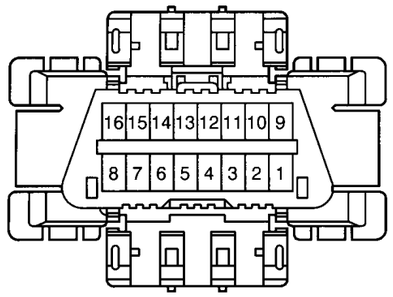
D1

K CONNECTOR LIST

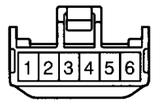
D2
ORANGE



D3



D4



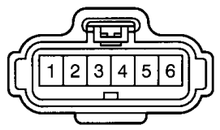
D5

D6

D7

D8

D9
BLACK



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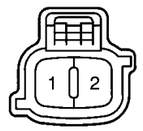

D11
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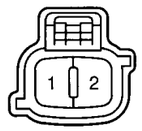

D12
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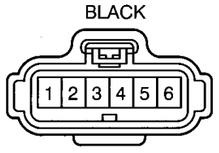


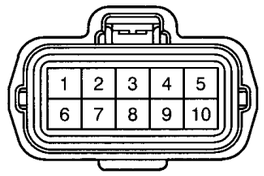
D13
GRAY

D14
GRAY

D15
GRAY

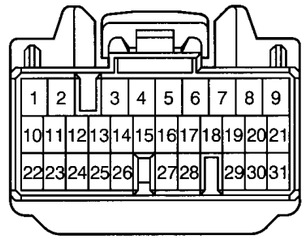
D16
GRAY

E1
GRAY



E2
GREEN

E3



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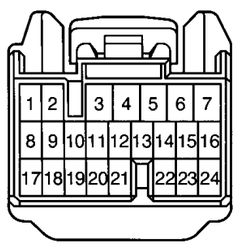

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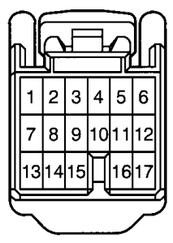

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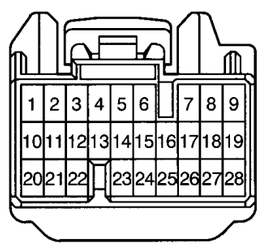

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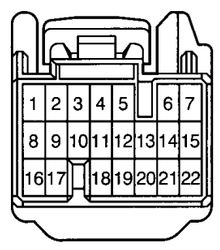

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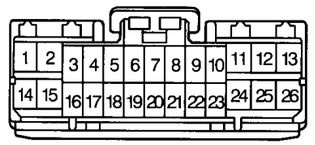

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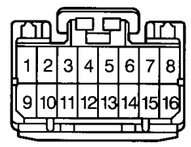

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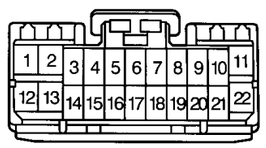

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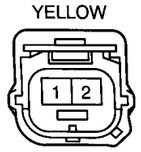
YELLOW



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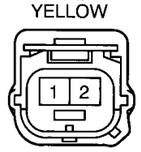
YELLOW



F3
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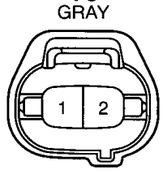
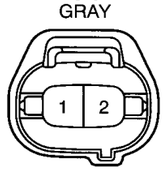


F4
GRAY



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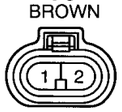

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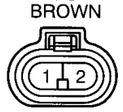
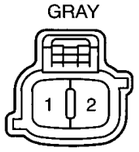
BROWN



F7
GRAY

F8
GRAY

F9
GRAY



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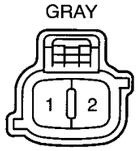

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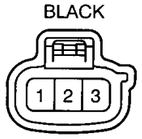

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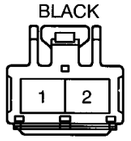
F13
BLACK



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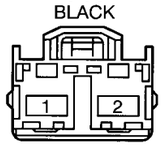

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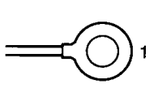

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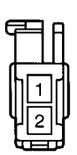

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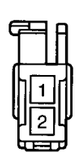


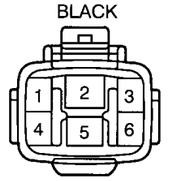
F18

F19

H1
GRAY

H2
GRAY

H3
BLACK



H4
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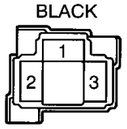
H5
BLACK



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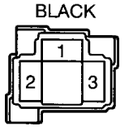

H7
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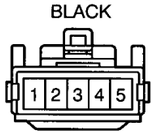
H9
BLACK

H10
BLACK

H11

H12
BLACK



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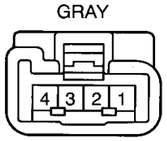

H14
GRAY

H15
GRAY

K CONNECTOR LIST

I1
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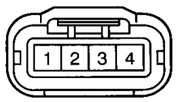

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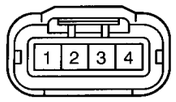

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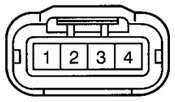

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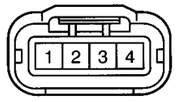

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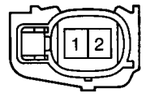

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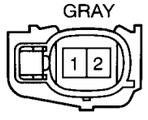

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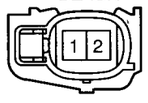

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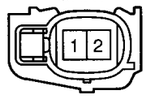

I9
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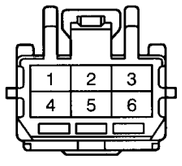
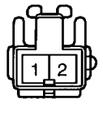
I10



I11



I12

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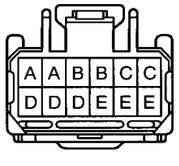

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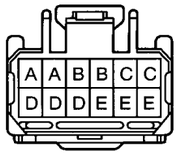

J3
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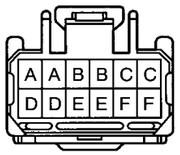
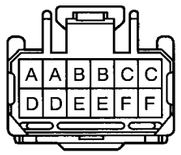
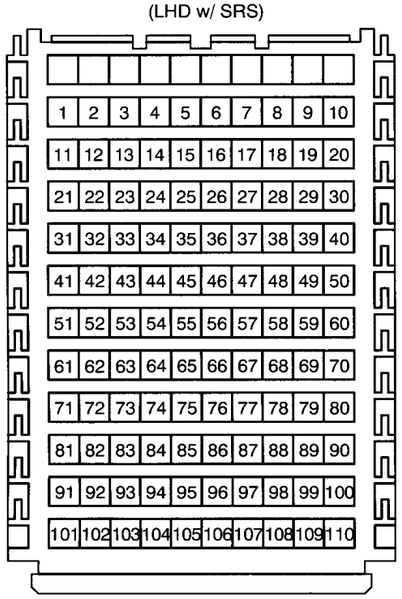
J4



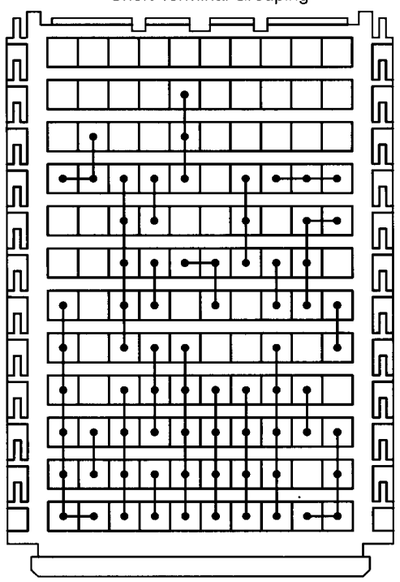
J5



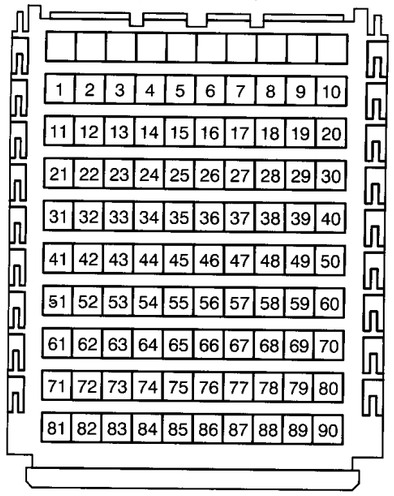
J6
(LHD w/ SRS)



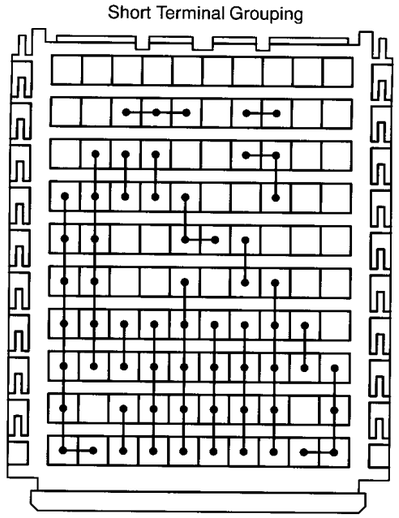
Short Terminal Grouping



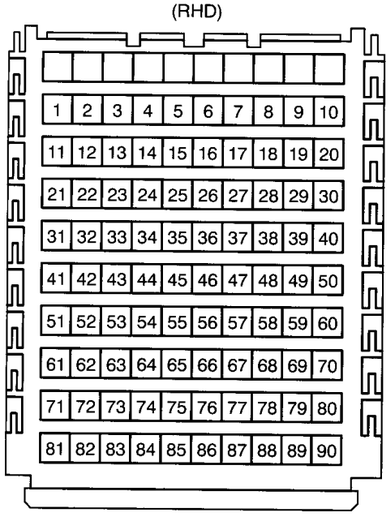
J6
(LHD w/o SRS)



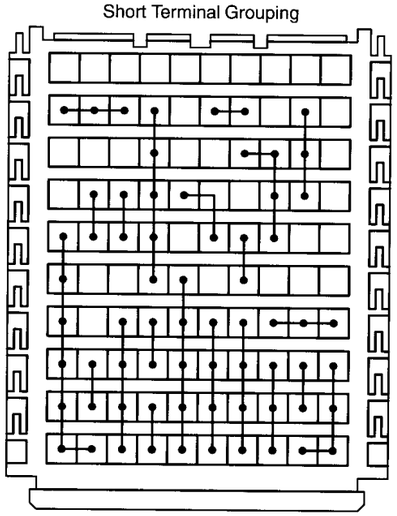
Short Terminal Grouping



J6
(RHD)

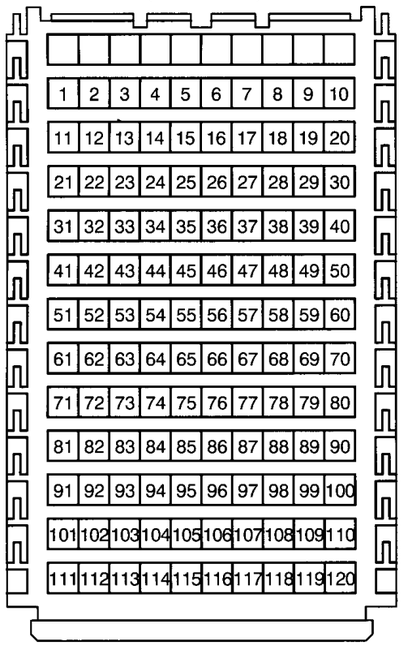


Short Terminal Grouping

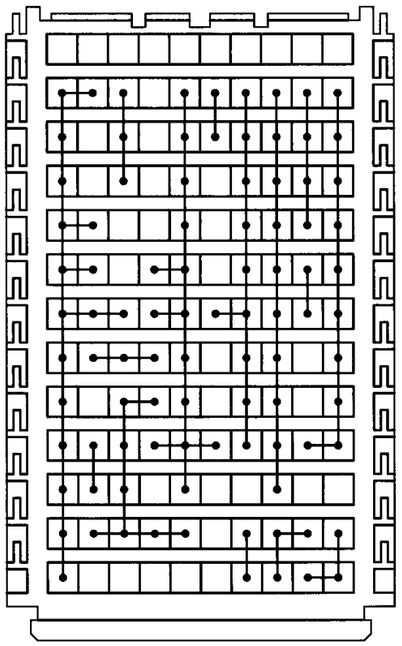


K CONNECTOR LIST

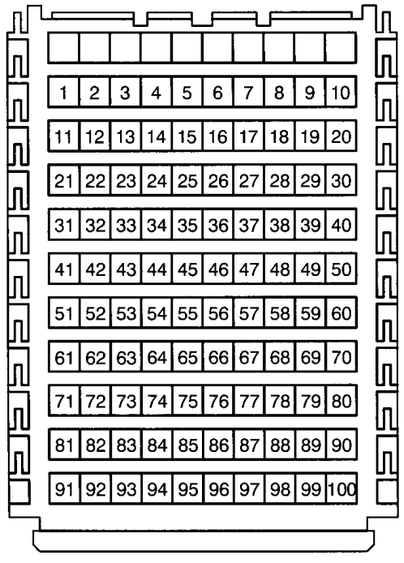
J7
(LHD w/ SRS)



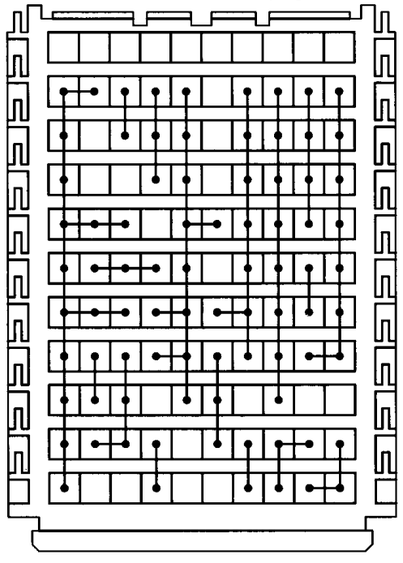
Short Terminal Grouping



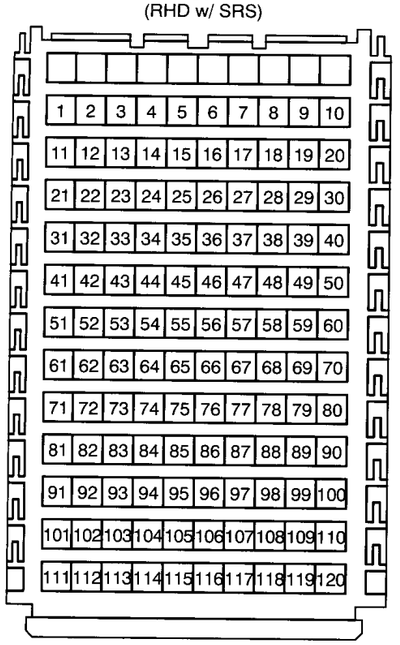
J7
(LHD w/o SRS)



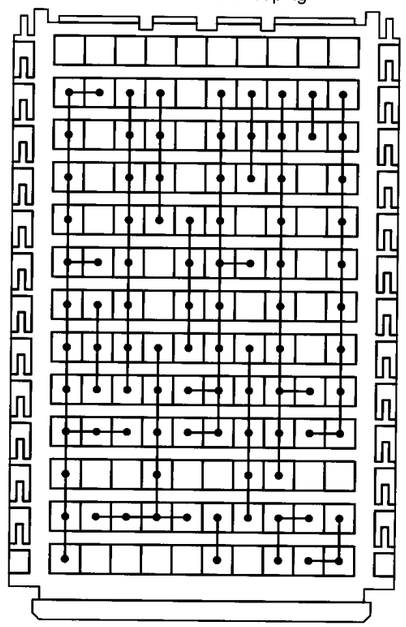
Short Terminal Grouping



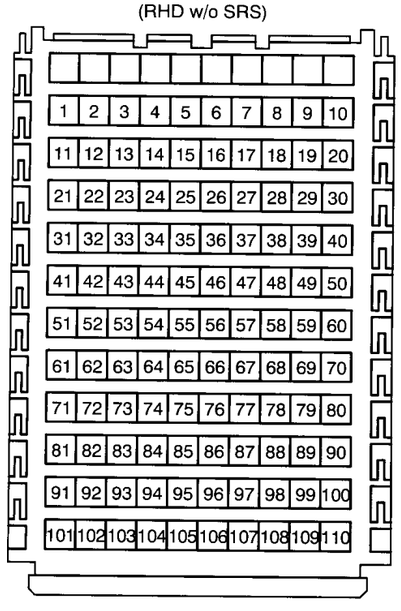
J7
(RHD w/ SRS)



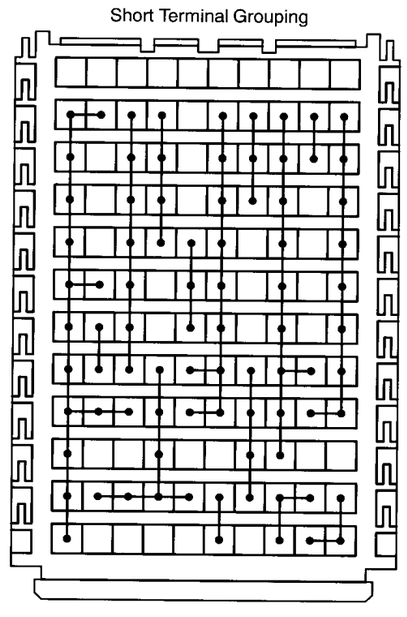
Short Terminal Grouping



J7
(RHD w/o SRS)

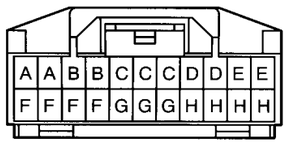


Short Terminal Grouping

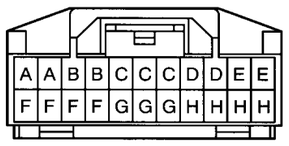


K CONNECTOR LIST

J8

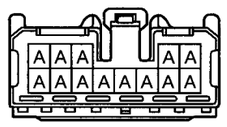


J9

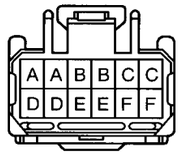


J10
BLACK

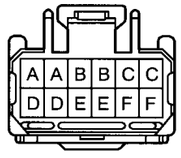
J11
BLACK



J12



J13



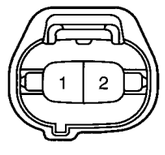
J14
BLACK

J15
BLACK

K1
(1AZ-FE) GRAY

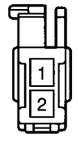
K1
(1ZZ-FE) DARK GRAY

K2
BLACK



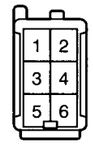
L1

L2
BLACK

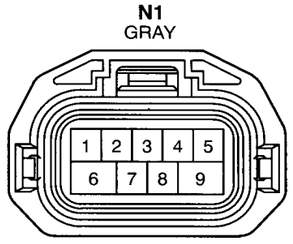


M1

M2

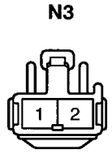


N1
GRAY



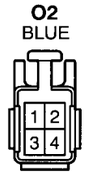
N2
GRAY

N3



O1
GRAY

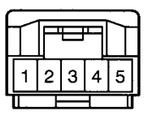
O2
BLUE



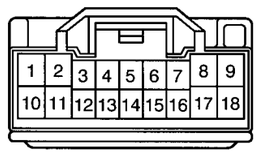
P1
BLACK

P2
BLACK

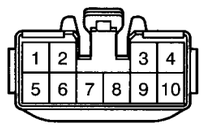
P3



P4

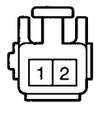


P5
BLUE



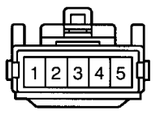
P6

P7

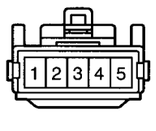


P8

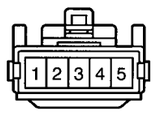
P9



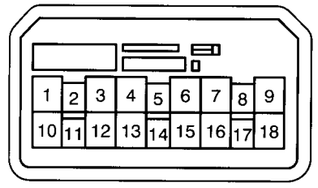
P10



P11



P12



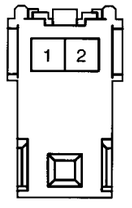
P13
BLACK

P14
BLACK

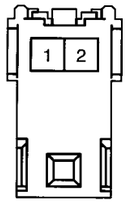
P15
BLACK

P16
BLACK

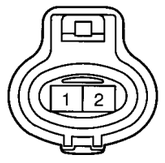
P17
YELLOW



P18
YELLOW

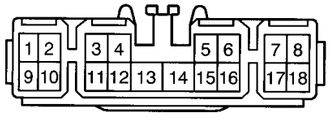


R1
GRAY

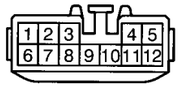


R2
BLACK

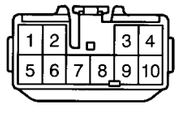
R3



R4



R5



R6

R7
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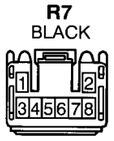
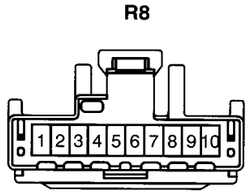


R8



R9
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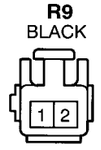
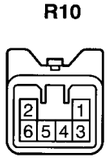
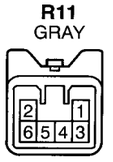


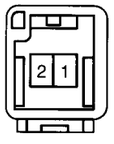
R10



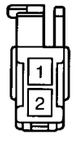
R11
GRAY



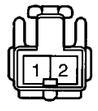
R12



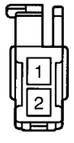
R13
(5-Door)



R13
(3-Door)



R14
(5-Door)

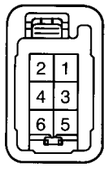


R14
(3-Door)

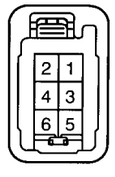
R15
BLACK

R16
BLACK

R17

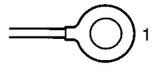


R18



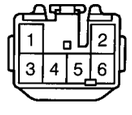
S1
BLACK

S2



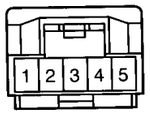
S3
BLUE

S4



K CONNECTOR LIST

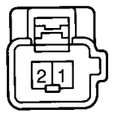
S5



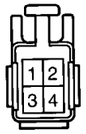
S6

S7

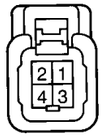
S8
BLACK



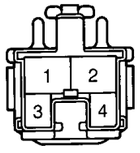
S9



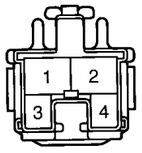
S10



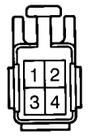
S11
(LHD) BROWN



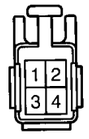
S11
(RHD) BLUE



S12
BLUE

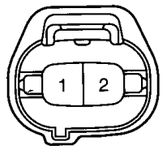


S13
BLUE

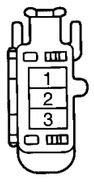


T1
BLACK

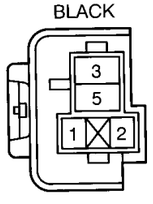
T2
BLACK



T3

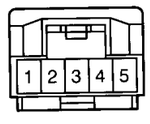


T4
BLACK

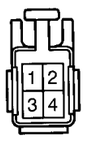


T5

T6



U1



V1
BLACK

V2
BLACK

V3
BLACK

W1

W2

M PART NUMBER OF CONNECTORS

Code	Part Name	Part Number
A 1	A/C Condenser Fan Motor	90980-11237
A 2	A/C Evaporator Temp. Sensor	90980-11070
A 3	A/C Magnetic Clutch and Lock Sensor	90980-11016
A 4	A/C Triple Pressure SW (A/C Dual and Single Pressure SW)	90980-10943
A 5	ABS Actuator and ECU	90980-12020
A 6	ABS Speed Sensor Front LH	90980-11075
A 7	ABS Speed Sensor Front RH	
A 8	Air Flow Meter	90980-11317
A 9	Air Fuel Ratio Sensor (Bank 1 Sensor 1)	90980-11178
A10	Air Fuel Ratio Sensor (Bank 2 Sensor 1)	90980-10869
A11	Alternator	90980-09212
A12	Alternator	90980-11349
A13	A/C Amplifier	90980-10807
A14	A/C Control SW	90980-11914
A15	A/C Thermistor	90980-11918
A16	ABS Deceleration Sensor	90980-10845
A17	Air Inlet Control Servo Motor	90980-11921
A18	Airbag Squib (Front Passenger's Airbag Assembly)	90980-11884
A19	Airbag Squib (Steering Wheel Pad)	
A20	Antenna Amplifier	90980-10871
A21	Ashtray Illumination	90980-10825
A22	ABS Speed Sensor Rear LH	90980-11060
A23	ABS Speed Sensor Rear RH	
B 1	Back-Up Light SW	90980-11250
B 2	Brake Fluid Level Warning SW	90980-11207
B 3	Blower Motor	90980-10214
B 4	Blower Resistor	90980-11136
B 5	Blower SW	90980-10877
B 6	Back Door Courtesy SW	90980-11156
B 7	Back Door Key Lock and Unlock SW and Back Door Lock Motor	90980-11858
B 8	Back Door Lock Motor	90980-11019
B 9	Buckle SW (Driver's Side)	90980-11918
B10	Buckle SW (Front Passenger's Side) and Seat Belt Warning Occupant Detection Sensor	90980-11950
C 1	Camshaft Position Sensor	90980-10947
C 2	Camshaft Timing Oil Control Valve	90980-11162
C 3	Counter Gear Speed Sensor	90980-11156
C 4	Crankshaft Position Sensor	90980-10947
C 5	Center Airbag Sensor Assembly	90980-11869
C 6	Center Airbag Sensor Assembly	90980-11872
C 7	Center Airbag Sensor Assembly	90980-11867
C 8	Cigarette Lighter	90980-10760
C 9	Cigarette Lighter Illumination	90980-11148
C10	Combination Meter	82824-60060
C11	Combination Meter	82824-60050
C12	Combination Meter	82824-60060
C13	Combination Meter	82824-60050
C14	Combination SW (w/ SRS)	90980-12067
	Combination SW (w/o SRS)	90980-11986
C15	Combination SW (LH Turn Lever Type)	90980-12007
	Combination SW (RH Turn Lever Type)	90980-11604
C16	Combination SW	90980-12008
D 1	Diode (Fan)	90980-11251
D 2	Diode (Seat Heater)	90980-11071
D 3	DLC3	90980-11978
D 4	Door Lock Control SW (Driver's Side)	90980-10957
D 5	Door Courtesy SW (Driver's Side)	90980-10871
D 6	Door Courtesy SW (Front Passenger's Side)	
D 7	Door Courtesy SW Rear LH	
D 8	Door Courtesy SW Rear RH	
D 9	Door Lock Motor and Door Key Lock and Unlock SW (Front Passenger's Side)	90980-11858
D10	Door Lock Motor Rear LH	90980-11019
D11	Door Lock Motor Rear RH	
D12	Door Lock Motor, Door Key Lock and Unlock SW and Door Unlock Detection SW (Driver's Side)	90980-11858
D13	Door Lock Motor, Door Unlock Detection SW, Double Lock Motor and Double Lock Position SW (Driver's Side)	90980-10891
D14	Door Lock Motor, Double Lock Motor and Double Lock Position SW (Front Passenger's Side)	
D15	Door Lock Motor, Double Lock Motor and Double Lock Position SW Rear LH	
D16	Door Lock Motor, Double Lock Motor and Double Lock Position SW Rear RH	
E 1	ECT Solenoid	90980-11658
E 2	EFI Water Temp. Sensor	90980-10737
E 3	Engine and ECT ECU (A/T) or Engine ECU (M/T)	90980-11421
E 4	Engine and ECT ECU (A/T) or Engine ECU (M/T)	90980-11476
E 5	Engine and ECT ECU (A/T) or Engine ECU (M/T)	90980-11586
E 6	Engine and ECT ECU (A/T) or Engine ECU (M/T)	90980-11637
E 7	Engine and ECT ECU (A/T) or Engine ECU (M/T)	90980-11638
E 8	Engine ECU	90980-11390
E 9	Engine ECU	90980-11391
E10	Engine ECU	90980-11392
F 1	Front Airbag Sensor LH	90980-11856
F 2	Front Airbag Sensor RH	
F 3	Front Clearance Light LH	90980-11149
F 4	Front Clearance Light RH	
F 5	Front Fog Light LH	90980-11096
F 6	Front Fog Light RH	
F 7	Front Side Turn Signal Light LH	90980-11162
F 8	Front Side Turn Signal Light RH	
F 9	Front Turn Signal Light LH	90980-11019
F10	Front Turn Signal Light RH	
F11	Front Washer Motor	90980-10981
F12	Front Wiper Motor	90980-11599
F13	Fusible Link Block	90980-11579
F14	Fusible Link Block	90980-11996
F15	Fusible Link Block	90980-09448
F16	Front Speaker LH	90980-10935
F17	Front Speaker RH	
F18	Fuel Pump and Sender	90980-11077
F19	Fuel Sender (Sub)	90980-11140
H 1	Headlight Beam Level Control Actuator LH	90980-11016
H 2	Headlight Beam Level Control Actuator RH	
H 3	Headlight Cleaner Control Relay	90980-10939
H 4	Headlight Cleaner Motor	90980-11410
H 5	Headlight LH	90980-11314
H 6	Headlight RH	
H 7	Heated Oxygen Sensor (Bank 1 Sensor 2)	90980-11028
H 8	Heated Oxygen Sensor (Bank 2 Sensor 2)	
H 9	Horn (High)	90980-10619
H10	Horn (Low)	
H11	Headlight Beam Level Control SW	90980-10797
H12	Headlight Cleaner SW	90980-10789
H13	Heated Oxygen Sensor (Bank 1 Sensor 1)	90980-11012
H14	Heated Oxygen Sensor (Bank 1 Sensor 2)	90980-11399
H15	High Mounted Stop Light	90980-10825
I 1	Ignition Coil and Igniter No.1	90980-11885
I 2	Ignition Coil and Igniter No.2	
I 3	Ignition Coil and Igniter No.3	
I 4	Ignition Coil and Igniter No.4	
I 5	Injector No.1	90980-11875
I 6	Injector No.2	
I 7	Injector No.3	
I 8	Injector No.4	
I 9	ISC Valve	90980-11145
I10	Ignition SW	90980-11778
I11	Ignition Key Cylinder Light	90980-10906
I12	Interior Light	90980-10935
J 1	Junction Connector	90980-11661
J 2	Junction Connector	
J 3	Junction Connector	90980-11398
J 4	Junction Connector	90980-11661
J 5	Junction Connector	
J 6	Junction Connector	90980-12085
J 7	Junction Connector	
J 8	Junction Connector	90980-11915
J 9	Junction Connector	
J10	Junction Connector	90980-11398
J11	Junction Connector	90980-11542
J12	Junction Connector	90980-11661
J13	Junction Connector	
J14	Junction Connector	90980-11398
J15	Junction Connector	
K 1	Knock Sensor	90980-11166
K 2	Kick Down SW	90980-11156
L 1	License Plate Light	90980-11159
L 2	Luggage Compartment Light	90980-10935
M 1	Moon Roof Control SW and Relay	90980-10799
M 2	Moon Roof Motor and Limit SW	90980-11011
N 1	Neutral Start SW, A/T Indicator Light SW and Back-Up Light SW	90980-11784
N 2	Noise Filter (Ignition)	90980-10843
N 3	Noise Filter (Defogger)	90980-10916
O 1	Oil Pressure SW	90980-11363
O 2	O/D Main SW	90980-10795
P 1	Power Steering Oil Pressure SW	90980-11428
P 2	Parking Brake SW	90980-10871
P 3	Passenger Side J/B ECU	90980-11909
P 4	Passenger Side J/B ECU	90980-11973
P 5	Passenger Side J/B ECU	90980-10801
P 6	Power Outlet (Front)	90980-10760
P 7	Personal Light	90980-10825
P 8	Power Outlet (Rear)	90980-10760
P 9	Power Window Control SW (Front Passenger's Side)	90980-10789
P10	Power Window Control SW Rear LH	
P11	Power Window Control SW Rear RH	
P12	Power Window Master SW	90980-12122

Note: Not all of the above part numbers of the connector are established for the supply.

Nota: Toutes les références du connecteur ne sont pas définies pour la fourniture.

Nota : No todos los números de las partes del conector indicados arriba están dispuestos para el suministro.

Anmerkung: Nicht alle der obenerwähnten Teile-Nummern der Stecker werden für die Lieferung etabliert.

M PART NUMBER OF CONNECTORS

Code	Part Name	Part Number
P13	Power Window Motor (Driver's Side)	90980-10797
P14	Power Window Motor (Front Passenger's Side)	
P15	Power Window Motor Rear LH	90980-10797
P16	Power Window Motor Rear RH	
P17	Pretensioner LH	90980-12138
P18	Pretensioner RH	
R 1	Radiator Fan Motor	90980-10928
R 2	Rear Washer Motor	90980-11250
R 3	Radio and Player	90980-10819
R 4	Radio and Player	90980-10803
R 5	Radio and Player	90980-10997
R 6	Radio and Player	90980-10996
R 7	Rear Fog Light SW	90980-11533
R 8	Remote Control Mirror SW	90980-11657
R 9	Rheostat	90980-10825
R10	Rear Combination Light LH	90980-10796
R11	Rear Combination Light RH	
R12	Rear Fog Light	90980-11917
R13	Rear Speaker LH (5-Door)	90980-10935
	Rear Speaker LH (3-Door)	90980-10860
R14	Rear Speaker RH (5-Door)	90980-10935
	Rear Speaker RH (3-Door)	90980-10860
R15	Rear Window Defogger	90980-11097
R16	Rear Wiper Motor and Relay	90980-11296
R17	Remote Control Mirror LH	90980-11587
R18	Remote Control Mirror RH	
S 1	Starter	90980-11400
S 2	Starter (1AZ-FE)	82676-42010
	Starter (1ZZ-FE)	90980-09463
S 3	Seat Heater SW (Driver's Side)	90980-10797
S 4	Seat Heater SW (Front Passenger's Side)	90980-10996
S 5	Shift Lock ECU	90980-11909
S 6	Short Connector (Light)	90980-11159
S 7	Short Connector (Light)	90980-11148
S 8	Short Connector (Rheostat)	90980-10824
S 9	Short Connector (SRS)	90980-10795
S10	Short Connector (SRS)	90980-10794
S11	Stop Light SW	90980-11118
S12	Seat Heater (Driver's Side)	90980-10795
S13	Seat Heater (Front Passenger's Side)	
T 1	Throttle Position Sensor	90980-11261
T 2	Turbine Speed Sensor	90980-11156
T 3	Theft Deterrent Indicator Light	90980-11490
T 4	Taillight Relay	82660-20340
T 5	Turn Signal Flasher Relay	90980-10799
T 6	Transponder Key Amplifier	90980-11909
U 1	Unlock Warning SW	90980-10795
V 1	Variable Resistor	90980-10902
V 2	Vehicle Speed Sensor (Combination Meter)	90980-11143
V 3	VSV (EVAP)	90980-11156
W 1	Water Temp. SW	90980-11235
W 2	Wireless Door Control Reciever	90980-11909

Note: Not all of the above part numbers of the connector are established for the supply.

Nota: Toutes les références du connecteur ne sont pas définies pour la fourniture.

SYSTEM INDEX

SYSTEMS	LOCATION
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Air Conditioner	28–2
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Charging	2–2
Cigarette Lighter	2–4
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Engine Immobiliser System (1AZ–FE)	3–10
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SYSTEMS	LOCATION
Key Reminder and Light Reminder Buzzer	24–2
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Radio and Player	25–2
Rear Fog Light	7–2
Rear Window Defogger and Mirror Heater	21–2
Rear Wiper and Washer	16–3
Remote Control Mirror	21–3
Seat Belt Warning	24–3
Seat Heater	13–3
Shift Lock	14–2
SRS	22–2
Starting and Ignition	1–2
Stop Light	14–3
Taillight	8–2
Turn Signal and Hazard Warning Light	10–2
Wireless Door Lock Control (LHD)	17–7
Wireless Door Lock Control (RHD)	18–7

N OVERALL ELECTRICAL WIRING DIAGRAM

Power Source

Starting and Ignition

* 1 : LHD w/ SRS
* 2 : LHD w/o SRS
* 3 : RHD w/ SRS
* 4 : RHD w/o SRS

1 2 3 4

I10 IGNITION SW

10A IG2

ST RELAY

IG2 RELAY

30A AM2

15A IGN

100A MAIN1

F14 FUSIBLE LINK BLOCK

BATTERY

STARTER

5A ST

N 1 NEUTRAL START SW

J 7 JUNCTION CONNECTOR

I 1 IGNITION COIL AND IGNITER NO. 1

I 2 IGNITION COIL AND IGNITER NO. 2

I 3 IGNITION COIL AND IGNITER NO. 3

I 4 IGNITION COIL AND IGNITER NO. 4

N 2 NOISE FILTER (Ignition)

To Engine and ECT ECU <3-7><5-3>

To Engine and ECT ECU(A/T) or Engine ECU(M/T) <3-7><4-7><5-3>

To Engine and ECT ECU(A/T) or Engine ECU(M/T)<3-9><4-9>

EA : Front right side of fender apron(LHD)
ED : Front left side of fender apron(RHD)

Front left side of fender apron

II : Right kick panel(LHD)
IE : Left kick panel(RHD)

EC : Left side of cylinder head(1AZ–FE)
EB : Left side of cylinder head(1ZZ–FE)

Power Source | Charging | Clock | Cigarette Lighter

1 | 2 | 3 | 4

* 1 : LHD w/ SRS
* 2 : LHD w/o SRS
* 3 : RHD w/ SRS
* 4 : RHD w/o SRS

W
L–Y
L–R
B–Y
B
B–R
B–W
B–G
B–L
W–B
R–L
Y
GR(W)
GR(P)
L–Y(SB)
W–B(SB)
R–L(SB)

ACC 3 L–R
IG1 2 B–Y
AM1 1 W
AM2 5 B–R
IG2 6 B
ST2
I10 IGNITION SW

10A DOME
40A AM1
30A CUT
30A AM2
5A ALT–S
80A MAIN4(LHD) 80A MAIN3(RHD)
100A MAIN1
120A ALT
F13 (A), F14 (B), F15 (C) FUSIBLE LINK BLOCK
BATTERY

10A IG2
10A GAUGE
7. 5A ACC
15A CIG

C13 CHARGE WARNING LIGHT [COMB. METER]

A11 (A), A12 (B) ALTERNATOR
S L IG

J7 JUNCTION CONNECTOR
J6 JUNCTION CONNECTOR

A14 CLOCK [A/C CONTROL SW]
10 : 00

See Illumination System <8-3>

C 8 CIGARETTE LIGHTER

II : Right kick panel(LHD)
IE : Left kick panel(RHD)

IE : Left kick panel (LHD)
II : Right kick panel (RHD)

(Cont. next page)

Power Source

Engine Control (1AZ–FE)

* 1 : Shielded
* 2 : w/ Engine Immobiliser System
* 3 : Unleaded Gasoline

1 2 3 4

I10 IGNITION SW

5 AM2 IG2 6 B
ST2

B(SB) A
B–R(*2) B
B C
B–O D
B–W E

B–R 5 2G 2 2C B–R 6 1E 2 1A B–G
B(SB) 13 2L 1 2D B–W

3 1C G–W
9 1G R–W
11 1G B–O
12 1G B–R
4 1D B–W

5A EFI2
IG2 RELAY
7.5A OBD
30A AM2
20A A/F
20A EFI1
EFI MAIN RELAY
C/OPN RELAY
15A IGN
10A EFI3
A/F RELAY

9 1F W–B
3 1F L–B
1 1C G–R
1 1D B–R
12 1D B–R (*3)
2 1G B–R (*2)
6 1C B–R (*3)

1 A
2 B (LHD)
1 B (RHD)
80A MAIN4(LHD)
80A MAIN3(RHD)
100A MAIN1
120A ALT
FUSIBLE LINK BLOCK
F13 A , F14 B
BATTERY

A9 IA1 (LHD)
A10 IF2 (RHD)
(LG) L–B
2 IB2 (LHD)
14 IB2 (RHD)
L–B
4 M F18 FUEL PUMP
5 W–B
BK Left side of quarter panel

EA : Front right side of fender apron(LHD)
ED : Front left side of fender apron(RHD)

B–R (*3)
C4 IG2 (LHD)
A1 IA1 (RHD)
B–R(LG)
16 E +B

A9 AIR FUEL RATIO SENSOR (BANK 1 SENSOR 1)
B–R (*3) 2 1 3 4
G (*3) (*1) R (*3) (*1) W–L (*3)
14 B AF1A+
23 B AF1A–
5 B HAFIA

A10 AIR FUEL RATIO SENSOR (BANK 2 SENSOR 1)
B–R (*3) 2 1 3 4
W (*3) (*1) B (*3) (*1) W–R (*3)
13 B AF2A+
22 B AF2A–
4 B HAF2A

C7 IG2 (LHD)
A2 IA1 (RHD)
R–W
R–W(SB)
1 E BATT

12 IF1 (LHD)
12 ID2 (RHD)
G–W
G–W(W)
8 E MREL

E 3 A , E 4 B , E 5 C , E 6 D , E 7 E
ENGINE AND ECT ECU(A/T) OR ENGINE ECU(M/T)

FC 3 E
G–R(W)
8 IF1 (LHD)
8 ID2 (RHD)
G–R

EVP1 6 B
P (*3)
V 3 VSV(EVAP)
B–R (*3)

E01 21 A
E02 31 A
E1 17 B
W–B
W–B
BR
BR

OX1B 11 B (*3)
HT1B 3 B
B (*3) (*1)
R–B (*3)
H 7 HEATED OXYGEN SENSOR (BANK 1 SENSOR 2)
B–R (*3)
B–R

OX2B 15 C
HT2B 14 C
W (*3) (*1)
R–Y (*3)
H 8 HEATED OXYGEN SENSOR (BANK 2 SENSOR 2)
B–R (*3)
B–R

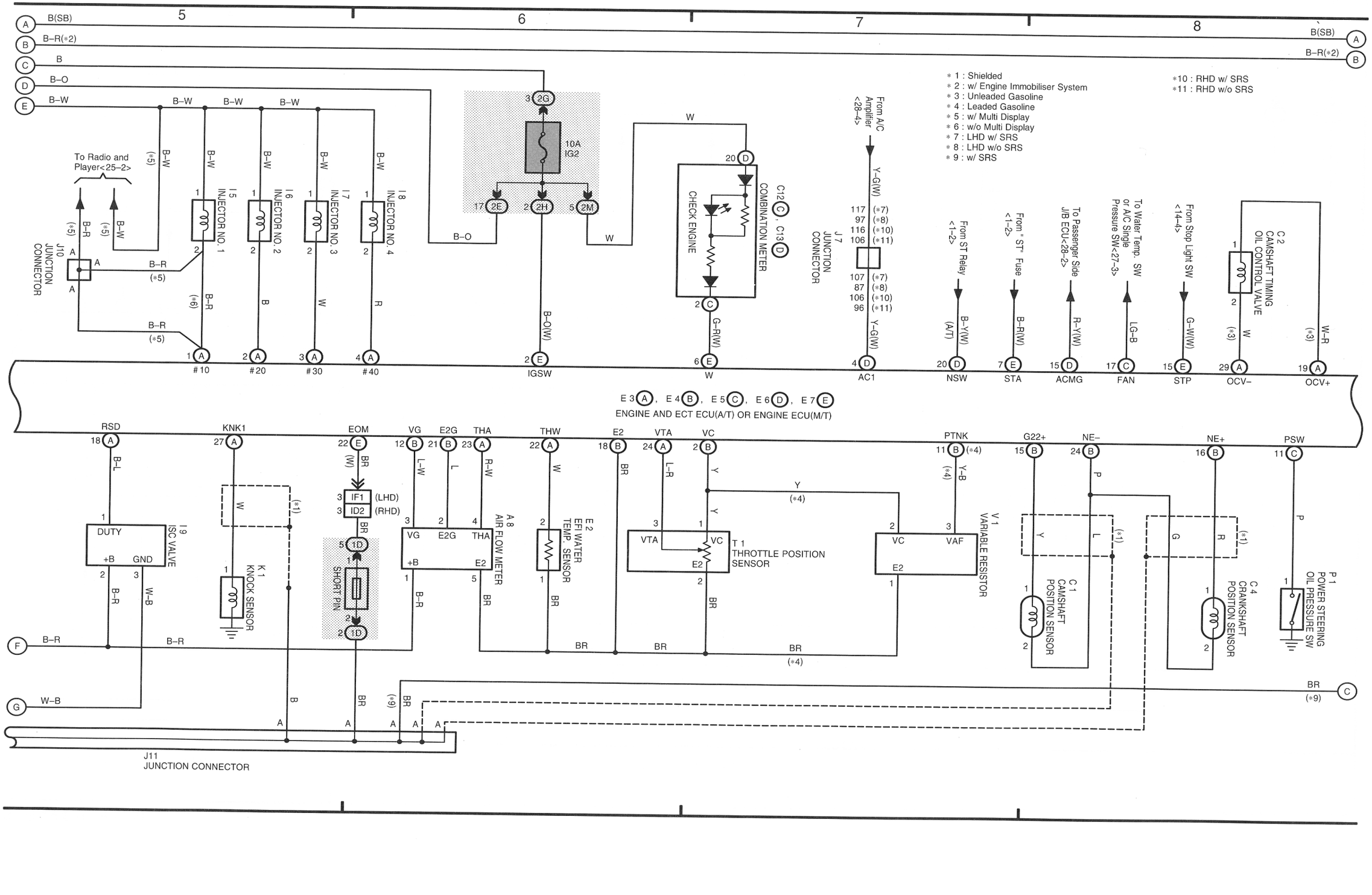
B–R F
W–B
W–B
W–B G
BR
A A A A A A A A A A

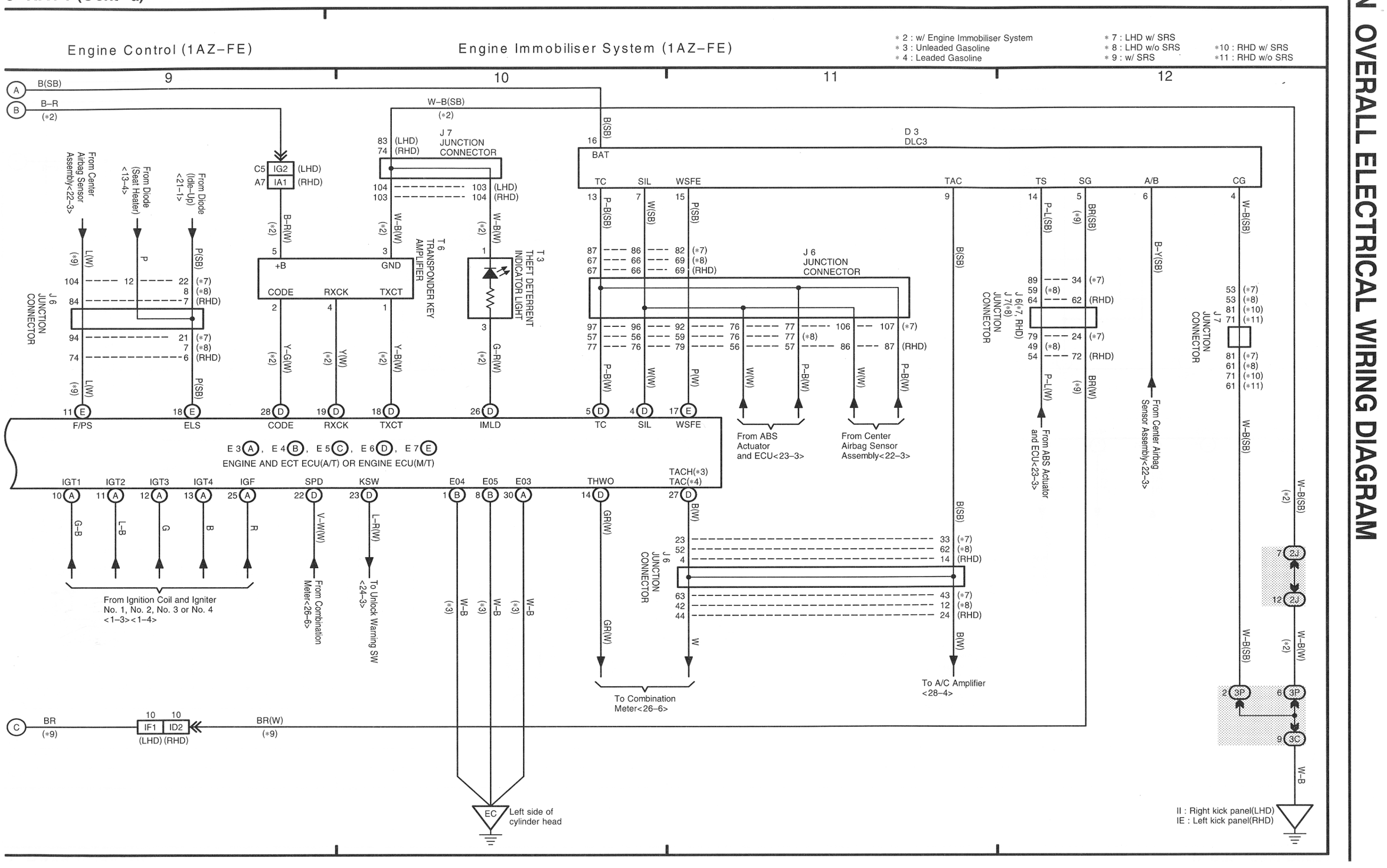
EB Intake side of cylinder block

J11 JUNCTION CONNECTOR

(Cont. next page)

Engine Control (1AZ–FE)




Engine Control (1AZ–FE)
Engine Immobiliser System (1AZ–FE)
* 2 : w/ Engine Immobiliser System
* 3 : Unleaded Gasoline
* 4 : Leaded Gasoline
* 7 : LHD w/ SRS
* 8 : LHD w/o SRS
* 9 : w/ SRS
*10 : RHD w/ SRS
*11 : RHD w/o SRS
9
10
11
12
B(SB)
B–R (*2)
W–B(SB) (*2)
From Center Airbag Sensor Assembly<22–3>
From Diode (Seat Heater) <13–4>
From Diode (Idle–Up) <21–1>
C5 IG2 (LHD)
A7 IA1 (RHD)
J 7 JUNCTION CONNECTOR
83 (LHD)
74 (RHD)
104 103 (LHD)
103 104 (RHD)
D 3 DLC3
BAT
TC SIL WSFE TAC TS SG A/B CG
J 6 JUNCTION CONNECTOR
T 6 TRANSPONDER KEY AMPLIFIER
+B GND CODE RXCK TXCT
T 3 THEFT DETERRENT INDICATOR LIGHT
J 6 JUNCTION CONNECTOR
J 7 JUNCTION CONNECTOR
J 6(*7, RHD) J 7(*8) JUNCTION CONNECTOR
F/PS ELS CODE RXCK TXCT IMLD TC SIL WSFE
From ABS Actuator and ECU<23–3>
From Center Airbag Sensor Assembly<22–3>
From ABS Actuator and ECU<23–3>
E 3 (A), E 4 (B), E 5 (C), E 6 (D), E 7 (E)
ENGINE AND ECT ECU(A/T) OR ENGINE ECU(M/T)
IGT1 IGT2 IGT3 IGT4 IGF SPD KSW E04 E05 E03 THWO TACH(*3) TAC(*4)
From Ignition Coil and Igniter No. 1, No. 2, No. 3 or No. 4 <1–3><1–4>
From Combination Meter<26–6>
To Unlock Warning SW <24–3>
J 6 JUNCTION CONNECTOR
To A/C Amplifier <28–4>
To Combination Meter<26–6>
EC
Left side of cylinder head
BR (*9)
10 10
IF1 ID2
(LHD) (RHD)
BR(W) (*9)
II : Right kick panel(LHD)
IE : Left kick panel(RHD)

(Cont. next page)

N OVERALL ELECTRICAL WIRING DIAGRAM

Power Source

Engine Control (1ZZ–FE)

＊1 : Shielded
＊2 : w/ Engine Immobiliser System

1 2 3 4

B(SB) A
B–R(＊2) B
B C
B–O D
B–W E

I10
IGNITION SW
5 AM2
IG2 6
ST2
B

B–R
5 2G
2 2C
B–R
6 1E
B(SB)
13 2L
7.5A OBD
1 2D
B–W
1 A
2 B (LHD)
1 B (RHD)
B–G

80A MAIN4(LHD)
80A MAIN3(RHD)
100A MAIN1
120A ALT
FUSIBLE LINK BLOCK
F13 A , F14 B

BATTERY

B
R–W
B–R
B–O
B–W
3 1C
9 1G
11 1G
12 1G
4 1D

5A EFI2
IG2 RELAY
1 3 2 5

30A AM2
20A EFI1
EFI MAIN RELAY
C/OPN RELAY
15A IGN
10A EFI3
1 5 3 1 2 3 5 2
2 1

9 1F
3 1F
1 1C
1 1D
12 1D
1 1G
W–B
L–B
G–R
B–R
B–R
B–R
(＊2)

A9 IA1 (LHD)
A10 IF2 (RHD)
L–B(LG)
2 IB2 (LHD)
14 IB2 (RHD)
L–B
4
M F18
FUEL PUMP
5 W–B

EA : Front right side of fender apron(LHD)
ED : Front left side of fender apron(RHD)

BK Left side of quarter panel

B–R
G–R
8 IF1 (LHD)
8 ID2 (RHD)
G–R(W)
1
V 3
VSV(EVAP)
2 P
C4 IG2 – C7 IG2 (LHD)
A1 IA1 – A2 IA1 (RHD)
B–R(LG)
R–W(SB)
10 IF2 (LHD)
10 ID1 (RHD)
B(W)
14 C FC
7 A EVP1
12 C +B
1 C BATT
16 C MREL

E 8 A , E 9 B , E10 C
ENGINE ECU

E01 13 A
E02 26 A
E1 14 A
OX1A 6 B
HT1A 7 B
OX1B 14 B
HT1B 15 B

W–B
W–B
BR
W
R
B
R–L
(＊1)

13 IF1
13 ID2
5 IF1
5 ID2
14 IF1 (LHD)
14 ID2 (RHD)
H13 HEATED OXYGEN SENSOR (BANK 1 SENSOR 1) R(W)
3 2 1 4
B–R(W)
BR(W)
6 IF1
6 ID2
11 IF1 (LHD)
11 ID2 (RHD)
B–R
BR

13 IF2
13 ID1
1 IF2
1 ID1
11 IF2 (LHD)
11 ID1 (RHD)
H14 HEATED OXYGEN SENSOR (BANK 1 SENSOR 2) R–L(W)
4 2 1 3
B–R(W)
BR(W)
6 IF2
6 ID1
4 IF2 (LHD)
4 ID1 (RHD)
B–R
BR

B–R F
W–B G
A A A A A A
BR A

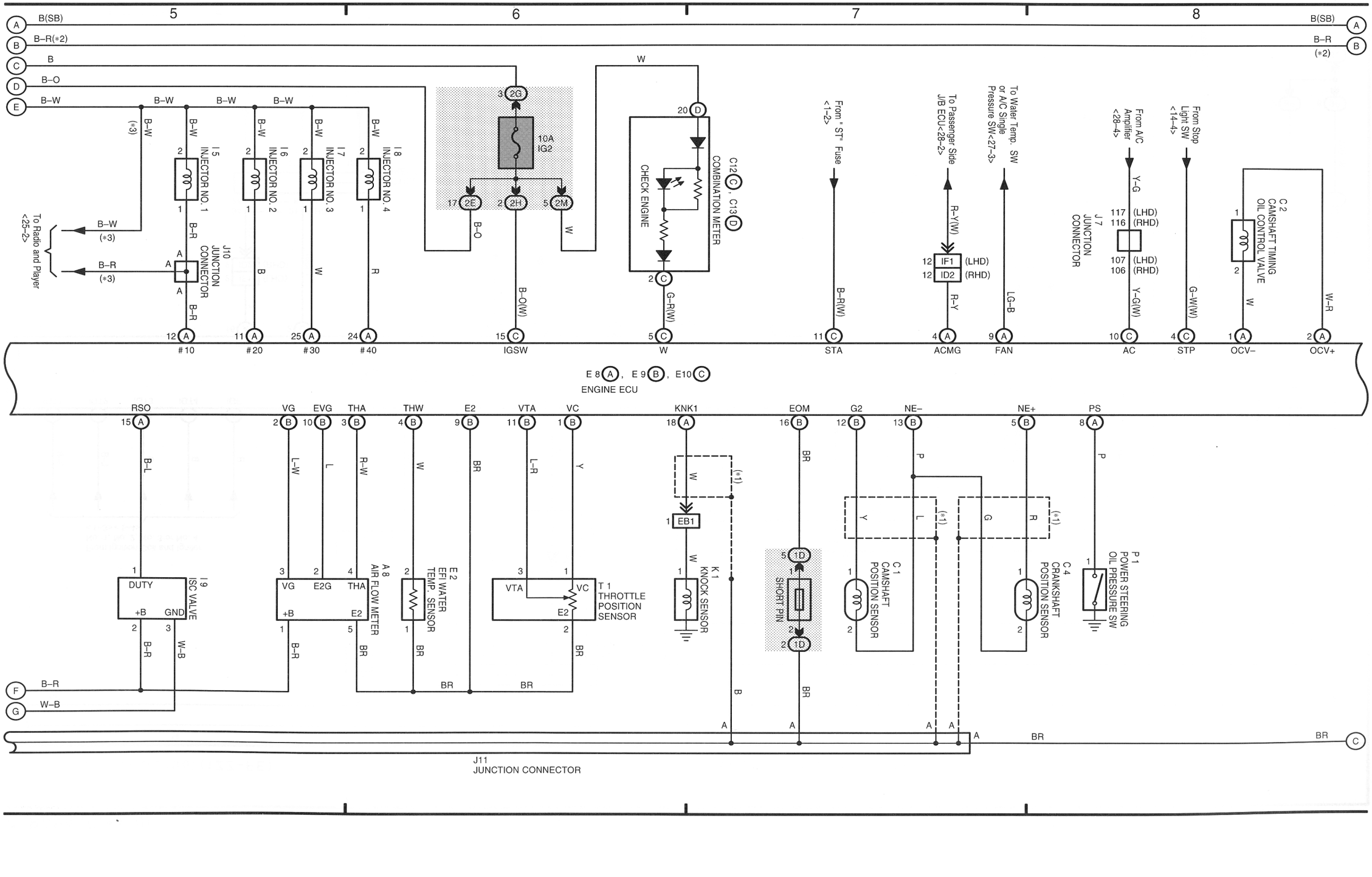
J11
JUNCTION CONNECTOR

Left side of cylinder head
EC

(Cont. next page)

Engine Control (1ZZ–FE)

＊1 : Shielded
＊2 : w/ Engine Immobiliser System
＊3 : w/ Multi Display



Engine Control (1ZZ–FE)

Engine Immobiliser System (1ZZ–FE)

* 2 : w/ Engine Immobiliser System

9 10 11 12

A B(SB)
B B–R
(*2)

J 7 JUNCTION CONNECTOR

C5 IG2 (LHD)
A7 IA2 (RHD)

104 – 103 – 83 (LHD)
103 – 104 – 74 (RHD)

B–R(W) (*2)

W–B(W)

W–B(SB)

T 6 TRANSPONDER KEY AMPLIFIER

5 +B
3 GND
2 CODE
4 RXCK
1 TXCT

T 3 THEFT DETERRENT INDICATOR LIGHT

1
3

G–R(W)

B(SB)
16 BAT

D 3 DLC3

TC SIL TAC A/B SG TS CG
13 7 9 6 5 14 4

(SB) P–B (SB) W

87 – 86 (LHD)
67 – 66 (RHD)

J 6 JUNCTION CONNECTOR

57 – 96 – 107 – 106 – 76 – 77 (LHD)
77 – 76 – 87 – 86 – 56 – 57 (RHD)

P–B(W) W(W)

From Ignition Coil and Igniter
No. 1, No. 2, No. 3 or No. 4
<1–3><1–4>

G–B L–B G B R

20 A IGT1
21 A IGT2
22 A IGT3
23 A IGT4
3 A IGF

19 C CODE
20 C RXCK
18 C TXCT
7 C IMLD
6 C TC
17 C SIL

Y–G(W) Y(W) Y–B(W)

E 8 A, E 9 B, E10 C
ENGINE ECU

P–B(W) W(W)

From Center Airbag Sensor Assembly<22–3>

W(W)

(LHD) P–B(W)
A13 IA1

J 1 A, J 2 B
JUNCTION CONNECTOR

(LHD) P–B
C A

From ABS Actuator and ECU<23–3>

(RHD) P–B

B–Y(SB)

From Center Airbag Sensor Assembly<22–3>

B(SB)

BR(SB)

P–L(SB)

J 7 JUNCTION CONNECTOR

53 (LHD)
81 (RHD)
81 (LHD)
71 (RHD)

W–B(SB)

W–B(SB)

W–B(SB)

7 2J
12 2J

W–B(W)

2 3P 6 3P
9 3C

W–B

F/PS ELS SPD KSW E03 THWO TACH
16 A 2 C 9 C 8 C 8 B 22 C 13 C

L

2 IF1 (LHD)
2 ID2 (RHD)

P(SB)

V–W(W)

From Combination Meter<26–6>

L–R(W)

To Unlock Warning SW <24–3>

W–B

GR(W)

B(W)

23 (LHD)
4 (RHD)

L(W)

94 – 21 (LHD)
74 – 6 (RHD)

J 6 JUNCTION CONNECTOR

104 – 22 – 12 (LHD)
84 – 7 (RHD)

L(W) P(SB) P

From Center Airbag Sensor Assembly <22–3>

From Diode (Idle–Up) <21–1>

From Diode (Seat Heater) <13–4>

GR(W)

W

63 (LHD)
44 (RHD)

To Combination Meter<26–6>

33 – 34 – 89 (LHD)
14 – 62 – 64 (RHD)

J 6 JUNCTION CONNECTOR

43 – 24 – 79 (LHD)
24 – 72 – 54 (RHD)

B(W)

To A/C Amplifier <28–4>

BR(W)

P–L(W)

From ABS Actuator and ECU<23–3>

C BR
5 IF2 (LHD)
5 ID1 (RHD)
BR(W)

EB Left side of cylinder head

II : Right kick panel(LHD)
IE : Left kick panel(RHD)

(Cont. next page)

N OVERALL ELECTRICAL WIRING DIAGRAM

Power Source

ECT and A/T Indicator

1 2 3 4

I10 IGNITION SW

ACC IG1 IG2 ST2 AM1 AM2

W B–Y B B–R W B–W

40A AM1 30A AM2 20A EFI1 5A EFI2 EFI MAIN RELAY

100A MAIN1 80A MAIN4(LHD) 80A MAIN4(RHD) 120A ALT FUSIBLE LINK BLOCK

BATTERY

G–W R–W R–W(SB) B–R(LG) B–R W–B

C7 IG2 (LHD) A2 IA1 (RHD)

C4 IG2 (LHD) A1 IA1 (RHD)

12 IF1 (LHD) 12 ID2 (RHD) G–W(W)

See Engine Control System<3–6><3–7>

From ST Relay <1–2> B–Y(W) (A/T)

From "ST" Fuse <1–2> B–R(W)

From Combination Meter<26–6> V–W(W)

From Stop Light SW <14–4> G–W(W)

C3 COUNTER GEAR SPEED SENSOR

T2 TURBINE SPEED SENSOR

BATT MREL VC VTA THW NSW STA SPD STP NC– NC+ NT– NT+

E3 (A), E4 (B), E5 (C), E6 (D), E7 (E)

ENGINE AND ECT ECU

+B E04 E05 E03 E2 THO SLT+ SLT– DSL SL2+ SL2– SL1+ SL1– S4 E01 E02 E1 EOM

(Unleaded Gasoline) W–B BR GR Y–R Y–G R–W P Y–B G–W V Y BR(W)

THO SLT+ SLT– DSL SL2+ SL2– SL1+ SL1– S4 E2

O O G G Y BR W B R

E1 ECT SOLENOID

IF1 (LHD) ID2 (RHD) BR SHORT PIN

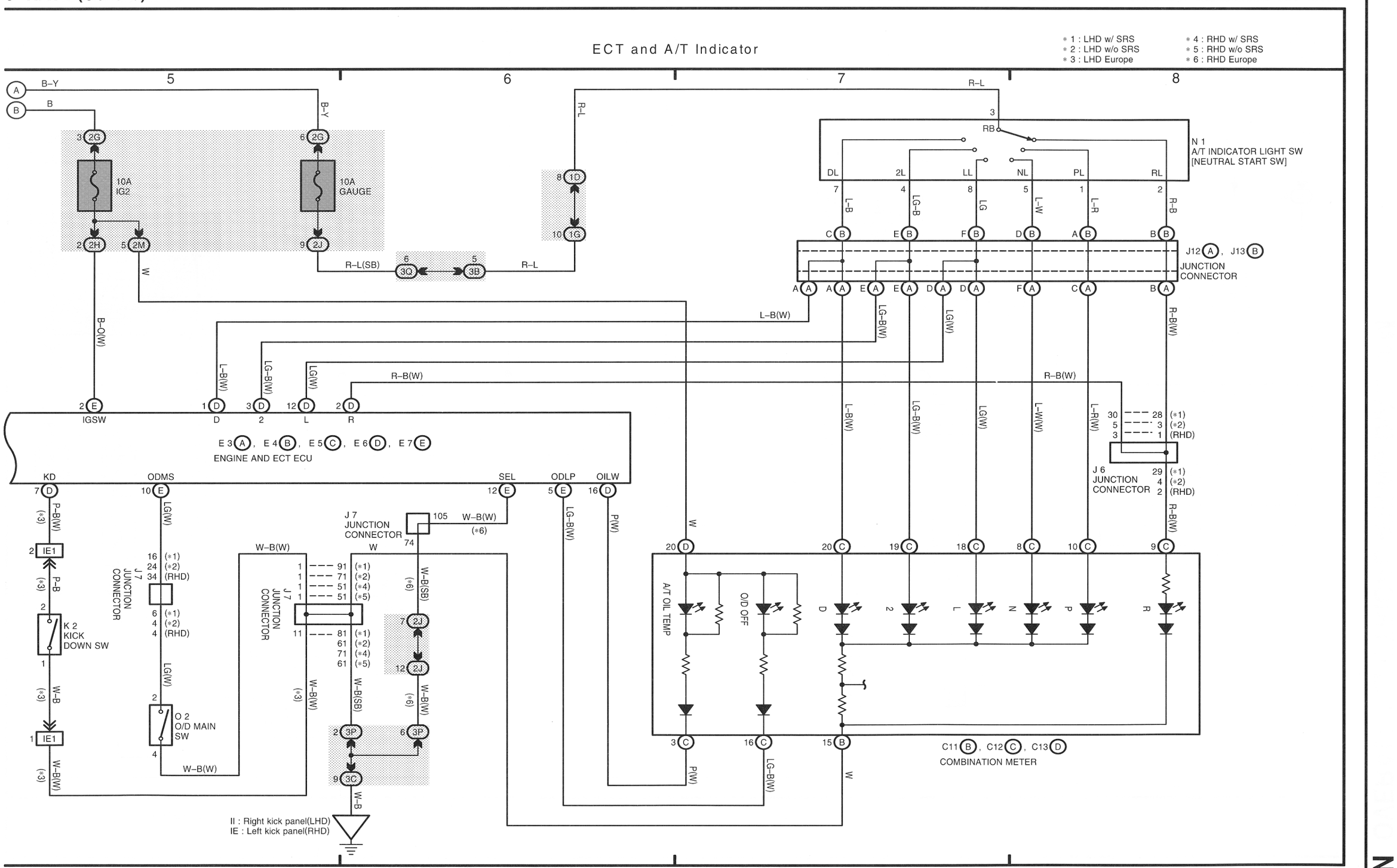
J11 JUNCTION CONNECTOR

EA : Front right side of fender apron(LHD)
ED : Front left side of fender apron(RHD)

EC Left side of cylinder head

EB Intake side of cylinder block

5 RAV4 (Cont' d)


ECT and A/T Indicator
* 1 : LHD w/ SRS
* 2 : LHD w/o SRS
* 3 : LHD Europe
* 4 : RHD w/ SRS
* 5 : RHD w/o SRS
* 6 : RHD Europe
5
6
7
8
10A IG2
10A GAUGE
N 1 A/T INDICATOR LIGHT SW [NEUTRAL START SW]
J12 A , J13 B JUNCTION CONNECTOR
J 6 JUNCTION CONNECTOR
J 7 JUNCTION CONNECTOR
K 2 KICK DOWN SW
O 2 O/D MAIN SW
E 3 A , E 4 B , E 5 C , E 6 D , E 7 E ENGINE AND ECT ECU
C11 B , C12 C , C13 D COMBINATION METER
A/T OIL TEMP
O/D OFF
II : Right kick panel(LHD)
IE : Left kick panel(RHD)

Power Source

Headlight (LHD)

* 1 : w/ Daytime Running Light

1 2 B 3 4

B

ACC
1 AM1 IG1 2 B-Y (*1)
I10 IGNITION SW

10A GAUGE
6 2G
9 2J
R-L(SB) (*1)
6 3Q IG
3 3B +B

L-Y (*1)

B (*1)
7 1E
2 1F
10A DOME
30A MAIN
30A CUT
2 1A
B-G
2 B

W (*1)
2 2G
2
40A AM1
1
1 2D
B-W (*1)
1 A

100A MAIN1
80A MAIN4
120A ALT
F13 A , F14 B
FUSIBLE LINK BLOCK
BATTERY

P 3 B
PASSENGER SIDE J/B ECU
VAL GND2 GND1 HI
4 3T 6 3P 9 3C 1 B

W-B (*1)
73
J 7 JUNCTION CONNECTOR
83
W-B(SB) (*1)
7 2J
12 2J
W-B(W) (*1)

O (*1)
2 B HLP
R-Y (*1)

1 1 1 3
DRL RELAY
2 5
1 1
W-B (*1)

1
10A H-LP LH
2
1
R
3
H 5 HEADLIGHT LH
1 2

1
10A H-LP RH
2
1
R-G
3
H 6 HEADLIGHT RH
1 2

R-B (*1)
E A E A E A D A D A
R-B R-B R-Y R-Y
E B D B E B E B D B
R-Y (*1)
R-B W-B R-Y R-B
D1 IA1 D3 IA1 C2 IA1 C3 IA1
W W
16 A
C10 A , C11 B
HIGH BEAM INDICATOR LIGHT[COMB METER]
4 B

R-B(W)
R-Y(W)

J1 A , J2 B
JUNCTION CONNECTOR

C15
COMBINATION SW

		1	2	3	4	5	6	7
LIGHT CONTROL SW	OFF							
	TAIL							
DIMMER SW	HEAD			○	○			
	LOW	○		○				
	HIGH		○					
	FLASH		○		○			

8 9 12 11
59 J 7 JUNCTION CONNECTOR 49
R-W(W)
From Rear Fog Light SW <7-3>

W-B(W)
18 2L
6 2F
W-B

II Right kick panel
ED Front left side of fender apron
Left kick panel IE

Power Source

Rear Fog Light

Headlight (RHD)

* 1 : LH Turn Lever Type
* 2 : RH Turn Lever Type

1 2 3 4

B

L-Y(SB)

20 2J

16 2E

L-Y

7 1E

1 1F

B

10A DOME

30A MAIN

30A CUT

2 1A

B-G

2 (LHD)
1 (RHD)

F14
FUSIBLE LINK
BLOCK
100A
MAIN1

BATTERY

R(SB)

19 2J

2 2M

7 2F

R

19 D

12 BC1

REAR FOG

C11 B , C13 D

COMBINATION METER

15 B

W

R12
REAR FOG LIGHT

1

2

W-B

BL

Center side of
back door

II : Right kick panel(LHD)
IE : Left kick panel(RHD)

91 42 (LHD)
51 41 (RHD)

J7
JUNCTION
CONNECTOR

81
71

W-B(SB)

2 3P

9 3C

W-B

J6
JUNCTION
CONNECTOR

101 (LHD)
82 (RHD)

102 (LHD)
81 (RHD)

L-Y(SB)

R(SB)

1 L

3 B

E 7

ILL+ 2

See Illumination System
<9-2>

To Front Fog Light SW
[COMB. SW]<11-4>

R-B(W)

6 FS

R7
REAR FOG
LIGHT SW

5 LH

R-W(W)
(LHD)

R-W(W)
(RHD)

To Combination SW
<6-4>

W-B(W)

1

10A
H-LP LH

10A
H-LP RH

2

R

R-G

3

H5
HEADLIGHT
LH

H6
HEADLIGHT
RH

R-B

R-Y

R-W

D1 IF2 D3 IF2 C2 IF2 C3 IF2

W

16 A

C10 A , C11 B

HIGH BEAM INDICATOR
LIGHT[COMB. METER]

4 B

R-W(W)

R-Y(W)

C15 A , B
COMBINATION SW

LIGHT CONTROL SW	OFF						
	TAIL						
	HEAD			○	○	○	○
DIMMER SW	LOW	○		○			
	HIGH		○	○			
	FLASH		○	○	○	○	○

8 A 9 A 12 A 11 A (*1)
9 B 11 B 7 B 10 B (*2)

R-W(W)
(RHD)

J6
JUNCTION
CONNECTOR

68
88

R-W(W)
(RHD)

18 2L

6 2F

W-B(W)

W-B

Right kick panel

II

N

Power Source

Taillight

1 2 3 4

* 1 : w/ Daytime Running Light
* 2 : w/o Daytime Running Light
* 3 : LH Turn Lever Type
* 4 : RH Turn Lever Type

B

B–G (*1)

B–Y (*1)

W (*1)

ACC

AM1

IG1

I10 IGNITION SW

2 1A 30A CUT

2 1F 10A DOME

6 2G 10A GAUGE

9 2J

R–L(SB) (*1)

L–Y (*1)

2 2G

2

40A AM1

1

1 2D

B

B–G (*1)

B–W (*1)

2 A 2 B 1 A

80A MAIN3(LHD) 80A MAIN4(RHD)

100A MAIN1

80A MAIN4

120A ALT

F13 A , F14 B FUSIBLE LINK BLOCK

BATTERY

6 3Q IG

3 3B +B

5 3P T

4 3Z TAIL

G(W) (*1)

G–R (*1)

PASSENGER SIDE J/B ECU

GND2 GND1

9 3C 2 3P

W–B (*1)

W–B(SB) (*1)

81 J 7 JUNCTION CONNECTOR 32

W–B(W) (*1)

II Right kick panel

2 2D 17 2L 15A TAIL&PANEL

G–B(P) (*1)

G–B(P) (*2)

1 3 T 4 TAILLIGHT RELAY 2 5

W–B(W) (*1)

G(W) (*1)

G(SB) 2 2J 3 2J

G(W) (*2)

5 3T

16 3C G

15 3C G–Y

6 3B G

7 3B G–Y

6 3C G–Y

4 BC1

R11 TAILLIGHT RH [REAR COMB. LIGHT RH] 1 2

L1 LICENSE PLATE LIGHT 1 2

F3 FRONT CLEARANCE LIGHT LH 2 1

F4 FRONT CLEARANCE LIGHT RH 2 1

R10 TAILLIGHT LH [REAR COMB. LIGHT LH] 1 2

W–B

Right side of quarter panel BM

BL Center side of back door

ED Front left side of fender apron

EA Front right side of fender apron

BK Left side of quarter panel

G–R(P) (*2)

14 2L 10 2J

7.5A TAIL

7.5A PANEL

5 2J

G(W) (*1)

86 84 J 7 JUNCTION CONNECTOR

G–Y(W) (*1)

G(W) (*1)

S6 A , S7 B SHORT CONNECTOR (Light)

2 B 1 B

2 A 1 A

G–B(P) (*2)

G–Y(W) (*1)

G(W) (*1)

G–R(P) (*2)

13 A 10 A (*3)

12 B 6 B (*4)

OFF		
TAIL	○	○
HEAD	○	○

C15 A , B LIGHT CONTROL SW [COMB. SW]

Power Source

Illumination

1 2 3 4

B

G-R(P) (*2)

2 2D 14 2L

15A TAIL&PANEL

7.5A PANEL

17 2L 10 2J

G-B(P) (*1)

G(W) (*1)

G(W) (*2)

G-B(P) (*2)

S 6 A, S 7 B SHORT CONNECTOR (Light)

G-Y(W) (*1)

G(W) (*1)

G-R(P) (*2)

G-B(P) (*2)

13 A 10 A (*6)

12 B 6 B (*7)

OFF

TAIL

HEAD

C15 A, B LIGHT CONTROL SW [COMB. SW]

B

2

F13 FUSIBLE LINK BLOCK

80A MAIN3(LHD)

80A MAIN4(RHD)

120A ALT

BATTERY

BR(P)

IH : Right side of instrument panel brace(LHD)
IF : Left side of instrument panel brace(RHD)

* 1 : w/ Daytime Running Light
* 2 : w/o Daytime Running Light
* 3 : LHD w/ SRS
* 4 : LHD w/o SRS
* 5 : w/o Rheostat
* 6 : LH Turn Lever Type
* 7 : RH Turn Lever Type
* 8 : RHD w/ SRS
* 9 : RHD w/o SRS

84 (*3) 65 (*4) 75 (*8) 65 (*9)

J 7 JUNCTION CONNECTOR

85 64 76 66 — 35 47

G(W)

R 5 RADIO AND PLAYER

10 7

BR(P)

J 7 JUNCTION CONNECTOR

55 54 86 76

R 7 REAR FOG LIGHT SW

2 7

W-B(W)

42 (LHD) 41 (RHD)

81 (LHD) 71 (RHD)

W-B(SB)

J 7 JUNCTION CONNECTOR

2 3P 9 3C

W-B

II : Right kick panel (LHD)
IE : Left kick panel (RHD)

45 56 56 56

A21 ASHTRAY ILLUMINATION

W-B(W)

13 W

C11 COMBINATION ILLUMINATION [COMB. METER]

6 W

5 6 6

O 2 A/T SHIFT LEVER ILLUMINATION [O/D MAIN SW]

54 55 85 75

C 9 CIGARETTE LIGHTER ILLUMINATION

25 15 26 26

A14 A/C CONTROL SW

4 6

W

92 72 52 52 — 7 7 10 10

57 56 89 79 — 27 17 30 30 (*3) (*4) (*8) (*9)

J 7 JUNCTION CONNECTOR

17 27 40 40 — 82 62 72 62

87 67 80 70 — 71 37 70 50 (*3) (*4) (*8) (*9)

102 (*3) 83 (*4) 102 (*8) 92 (*9)

83 (*3) 63 (*4) 74 (*8) 64 (*9)

W-B(SB)

7 2J 6 2F

W-B

IE : Left kick panel(LHD)
II : Right kick panel(RHD)

G-W(W)

G (*5)

1 R 9 RHEOSTAT 2

S 8 SHORT CONNECTOR (Rheostat)

G (*5)

W-B(W)

75 (*3) 15 (*4) 66 (*8) 26 (*9)

G(W) (w/o SRS)

36 (*4) 16 (*9)

G(W) (w/ SRS)

To Radio and Player<25-3>

H B H B H B H B

F A F A F A

J 8 A, J 9 B JUNCTION CONNECTOR

H11 HEADLIGHT BEAM LEVEL CONTROL SW

3 6

H12 HEADLIGHT CLEANER SW

4 5

S 4 SEAT HEATER SW (Front Passenger's Side)

1 5

S 3 SEAT HEATER SW (Driver's Side)

1 5

D 4 DOOR LOCK CONTROL SW (Driver's Side)

2 4

G(W) (w/ SRS)

G(W) (w/o SRS)

W-B(W) (w/ SRS)

W-B(W) (w/o SRS)

F B F B F B F B

H A H A

J 8 A, J 9 B JUNCTION CONNECTOR

W-B(W) (w/ SRS)

W-B(W)

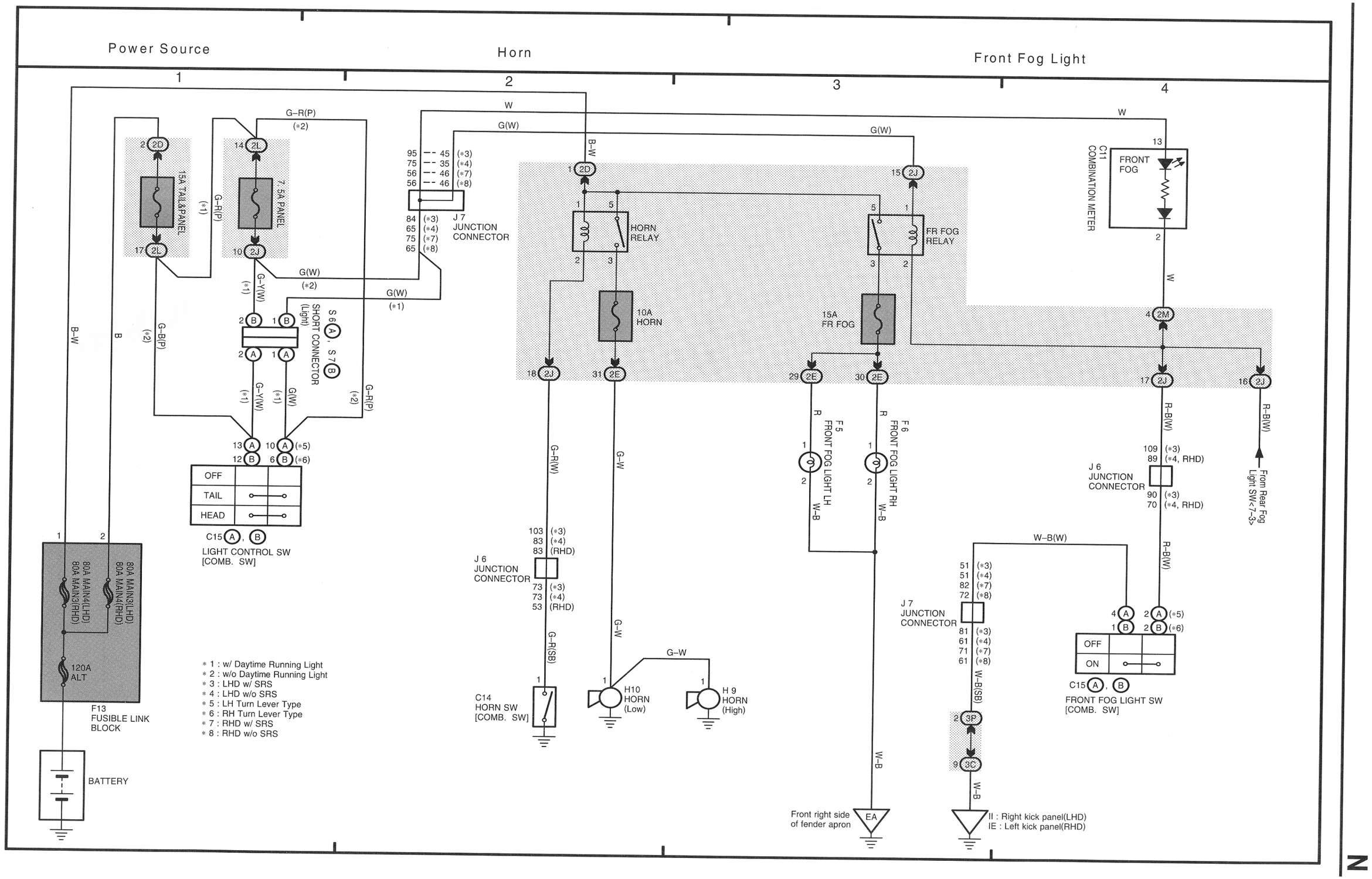
N

Power Source | Turn Signal and Hazard Warning Light | Back–Up Light

1 | 2 | 3 | 4

* 1 : LH Turn Lever Type
* 2 : RH Turn Lever Type
* 3 : LHD w/ SRS
* 4 : LHD w/o SRS
* 5 : LHD General w/o ABS
* 6 : Except *5
* 7 : 1AZ–FE M/T
* 8 : RHD w/ SRS
* 9 : RHD w/o SRS

I10 IGNITION SW
ACC
AM1
IG1
B–Y
W
B–G
B–W
2G
40A AM1
2D
10A HAZ
1A
1G
W
2E
2L
10A ECU IG
10A GAUGE
6 2G
4 2L
9 2J
R–L
6 3Q
5 3B
10 1G
8 1D
R–L
R–L(W)
W(P)
C15 A , B
TURN SIGNAL SW [COMB. SW]
RH
LH
6 A
4 B
5 A
3 B
7 A (*1)
5 B (*2)
T 5
TURN SIGNAL FLASHER RELAY
4 B
1 IG
8 HAZ
TR TL LL LR E
6 5 3 2 7
R–B(W)
R(W)
G–B(P)
G–Y(P)
W–B(W)
Y(W)
To Passenger Side J/B ECU<17–7><18–7><19–4>
J 6 JUNCTION CONNECTOR
39 (*3)
35 (*4)
18 (RHD)
40 59 (*3)
36 25 (*4)
17 38 (RHD)
A14 HAZARD SW [A/C CONTROL SW]
5
9
W
52 21 (*3)
52 11 (*4)
83 21 (*8)
73 21 (*9)
J 7 JUNCTION CONNECTOR
91 81 (*3)
71 61 (*4)
51 71 (*8)
51 61 (*9)
W–B
2 3P
9 3C
W–B
F13 A , F14 B
FUSIBLE LINK BLOCK
80A MAIN4(LHD)
80A MAIN3(RHD)
100A MAIN1
120A ALT
1 A
2 B (LHD)
1 B (RHD)
BATTERY
15 2L
6 2F
3 2L
2 2L
18 2F
23 2F
5 2E
4 2E
8 2E
7 2E
3 2M
1 2M
R10 REAR TURN SIGNAL LIGHT LH [REAR COMB. LIGHT LH]
R11 REAR TURN SIGNAL LIGHT RH [REAR COMB. LIGHT RH]
F9 FRONT TURN SIGNAL LIGHT LH
F7 FRONT SIDE TURN SIGNAL LIGHT LH
F10 FRONT TURN SIGNAL LIGHT RH
F8 FRONT SIDE TURN SIGNAL LIGHT RH
C11 B , C13 D
TURN SIGNAL INDICATOR LIGHT [COMB. METER]
3 B LH
9 D RH
15 B
W–B
G–B
G–Y
W
(*5)
(*6)
IE : Left kick panel(LHD)
II : Right kick panel(RHD)
BK Left side of quarter panel
BM Right side of quarter panel
ED Front left side of fender apron
EA Front right side of fender apron
II : Right kick panel(LHD)
IE : Left kick panel(RHD)
R–L
B 1 B BACK–UP LIGHT SW
N 1 A BACK–UP LIGHT SW [NEUTRAL START SW]
3 A (A/T)
2 B (M/T)
2 A (A/T)
1 B (M/T)
(1ZZ–FE)
R–B
(A/T)
(*7)
8 IF2 (LHD)
8 ID1 (RHD)
14 IF1 (LHD)
14 ID2 (RHD)
R–B(SB)
(1ZZ–FE)
(A/T)
(*7)
JUNCTION CONNECTOR
J12 A , J13 B
B B
B A
4 2H
27 2F
28 2F
R10 BACK–UP LIGHT LH [REAR COMB. LIGHT LH]
R11 BACK–UP LIGHT RH [REAR COMB. LIGHT RH]
R–L
R–Y
3
2
W–B
Left side of quarter panel
BK
BM Right side of quarter panel


Power Source
Horn
Front Fog Light
1
2
3
4
B–W
B
W
G(W)
G–R(P)
(*2)
(*1)
G–B(P)
G–Y(W)
G–R(W)
G–W
R–B(W)
W–B(W)
W–B(SB)
G–R(SB)
W–B
2 2D
14 2L
17 2L
10 2J
15A TAIL&PANEL
7.5A PANEL
95 45 (*3)
75 35 (*4)
56 46 (*7)
56 46 (*8)
84 (*3)
65 (*4)
75 (*7)
65 (*8)
J 7
JUNCTION
CONNECTOR
1 2D
15 2J
HORN
RELAY
FR FOG
RELAY
10A
HORN
15A
FR FOG
18 2J
31 2E
29 2E
30 2E
C11
COMBINATION METER
FRONT
FOG
13
2
4 2M
17 2J
16 2J
F5
FRONT FOG LIGHT LH
F6
FRONT FOG LIGHT RH
109 (*3)
89 (*4, RHD)
J 6
JUNCTION
CONNECTOR
90 (*3)
70 (*4, RHD)
From Rear Fog
Light SW<7–3>
S6 A , S7 B
SHORT CONNECTOR
(Light)
13 A 10 A (*5)
12 B 6 B (*6)
OFF
TAIL
HEAD
C15 A , B
LIGHT CONTROL SW
[COMB. SW]
103 (*3)
83 (*4)
83 (RHD)
73 (*3)
73 (*4)
53 (RHD)
C14
HORN SW
[COMB. SW]
H10
HORN
(Low)
H 9
HORN
(High)
51 (*3)
51 (*4)
82 (*7)
72 (*8)
81 (*3)
61 (*4)
71 (*7)
61 (*8)
J 7
JUNCTION
CONNECTOR
4 A 2 A (*5)
1 B 2 B (*6)
OFF
ON
C15 A , B
FRONT FOG LIGHT SW
[COMB. SW]
2 3P
9 3C
80A MAIN3(LHD)
80A MAIN4(RHD)
80A MAIN4(LHD)
80A MAIN3(RHD)
120A
ALT
F13
FUSIBLE LINK
BLOCK
BATTERY
Front right side
of fender apron
EA
II : Right kick panel(LHD)
IE : Left kick panel(RHD)
* 1 : w/ Daytime Running Light
* 2 : w/o Daytime Running Light
* 3 : LHD w/ SRS
* 4 : LHD w/o SRS
* 5 : LH Turn Lever Type
* 6 : RH Turn Lever Type
* 7 : RHD w/ SRS
* 8 : RHD w/o SRS

Power Source

Headlight Beam Level Control

1 2 3 4

＊1 : w/ Daytime Running Light
＊2 : w/o Daytime Running Light
＊3 : LH Turn Lever Type
＊4 : RH Turn Lever Type

G-B(P) (＊1)
G-B(P) (＊2)
W-R (＊1)
B-G (＊1)
W (＊1)
B-Y (＊1)
B (＊1)
B-W (＊1)
ACC
AM1
IG1
I10 IGNITION SW
17 2L
8 2F
2 2G
2 1A
15A TAIL&PANEL
20A DOOR
40A AM1
30A CUT
10A GAUGE
10A DOME
2 2D
1 2D
9 2J
2 1F
2 A
2 B
1 A
80A MAIN3(LHD)
80A MAIN4(RHD)
100A MAIN1
80A MAIN4
120A ALT
F13 A , F14 B
FUSIBLE LINK BLOCK
BATTERY
R-L(SB) (＊1)
L-Y (＊1)
W-R (＊1)
G(W) (＊1)
G-R (＊1)
W-B(W) (＊1)
6 3Q
3 3B
18 A
5 3P
4 3Z
IG
+B
BDL
T
TAIL
GND2
GND1
P 4 A
PASSENGER SIDE J/B ECU
9 3C
2 3P
W-B (＊1)
W-B(SB) (＊1)
81
J 7 JUNCTION CONNECTOR
32
W-B(W) (＊1)
II
Right kick panel
G-B(P) (＊1)
G-R(P) (＊2)
14 2L
7.5A TAIL
7.5A PANEL
5 2J
10 2J
G-R (＊1)
G-B (＊1)
T 4 TAILLIGHT RELAY
1
3
2
5
G(W) (＊2)
G-B(P) (＊2)
G (＊1)
3 2J
2 2J
(SB)
G
5 3T
8 3B
(LHD)
G
G(RHD)
G(LHD)
G(W) (＊1)
86
J 7 JUNCTION CONNECTOR
84
G-Y(W) (＊1)
G(W) (＊1)
2 B
1 B
S 6 A , S 7 B
SHORT CONNECTOR (Light)
2 A
1 A
G-Y(W) (＊1)
G(W) (＊1)
G-R(P) (＊2)
13 A
12 B
10 A (＊3)
6 B (＊4)
OFF
TAIL
HEAD
C15 A , B
LIGHT CONTROL SW [COMB. SW]
A A
C B
C B
J 1 A , J 2 B
JUNCTION CONNECTOR
(RHD)
G
(LHD)
G
H 1
HEADLIGHT BEAM LEVEL CONTROL ACTUATOR LH
2
1
3
R-L
W-B
H 2
HEADLIGHT BEAM LEVEL CONTROL ACTUATOR RH
3
2
1
R
W-B
H11
HEADLIGHT BEAM LEVEL CONTROL SW
B
LH+
RH+
E
1
4
5
2
G(W)
R-L(W)
R(W)
W-B(W)
A6 IA1 -- A4 IA1 -- A8 IA1 (LHD)
A6 IF2 -- A4 IF2 -- A8 IF2 (RHD)
J 8 JUNCTION CONNECTOR
G
G
W-B(W)
74 (LHD)
64 (RHD)
J 7 JUNCTION CONNECTOR
83 (LHD)
74 (RHD)
W-B(SB)
7 2J
6 2F
W-B
Front right side of fender apron
EA
Front left side of fender apron
ED
IE : Left kick panel(LHD)
II : Right kick panel(RHD)

Power Source | Headlight Cleaner | Seat Heater

1 | 2 | 3 | 4

B–G
B–Y
ACC
1 AM1
IG1 2
I10
IGNITION SW
W
2 2G
2
40A
AM1
1
1 2D
B–G
B–W
1 B
1 A
100A MAIN2
80A MAIN4
120A ALT
F13 A , F14 B
FUSIBLE LINK BLOCK
BATTERY
1 1A
1
30A
H–LP
CLN
2
12 1F
6 2G
10A
ECU IG
20 2E
10A
S–HTR
2 2K
W
R–L
5
PB
1
IG
E
MTR
H
3
2
4
H 3
HEADLIGHT CLEANER
CONTROL RELAY
P
A10 IF2
P(W)
2
H12
HEADLIGHT
CLEANER SW
3
W–B
G B
J 8 A , J 9 B
JUNCTION
CONNECTOR
G A
W–B
74
J 7
JUNCTION
CONNECTOR
83
W–B(SB)
1
M
2
H 4
HEADLIGHT
CLEANER MOTOR
W–R
W–B
W–B
Front right side of
fender apron
EA
B
E A
E A
J 4 A , J 5 B
JUNCTION
CONNECTOR
E B
B
4
IG
E
6
W–B
F B
F B
J 4 A , J 5 B
JUNCTION
CONNECTOR
D A
W–B
1 2K
7 2J
6 2F
W–B
Left kick panel
IE
S 3
SEAT HEATER SW
(Driver' s Side)
2
HI
LO
3
L–Y
L–R
10 IB2
9 IB2
L–R
L–Y
1
LO
HI
2
S12
SEAT HEATER
(Driver' s Side)
E
3
W–B
W–B
Left side of
quarter panel
BK
E
A
P
To Engine and
ECT ECU(A/T)
or Engine ECU(M/T)
<3–9><4–9>
J 8 A , J 9 B
JUNCTION
CONNECTOR
P
2
D 2
DIODE
(Seat Heater)
3
1
L–Y
L–B
B B
A B
A B
B A
B A
C A
J 4 A , J 5 B
JUNCTION
CONNECTOR
L–Y
L–B
L–B
B
2 II1
1 II1
L–B
L
2
HI
LO
1
S13
SEAT HEATER
(Front Passenger' s Side)
E
3
W–B
Right kick panel
II
2
HI
IG
4
E
LO
6
3
W–B
L
S 4
SEAT HEATER SW
(Front Passenger' s Side)
W–B
N

N OVERALL ELECTRICAL WIRING DIAGRAM

Power Source | Shift Lock | Stop Light

1 | 2 | 3 | 4

* 1 : LHD w/ SRS
* 2 : LHD w/o SRS
* 3 : Europe
* 4 : Except Europe
* 5 : RHD w/ SRS
* 6 : RHD w/o SRS

I10 IGNITION SW
ACC 3, IG1 2, AM1 1
L–R
B–Y

10A ECU-IG
7.5A ACC
6 2G, 1 2G
28 2J, 11 2J

R–W(P)
W
R–L(W)
GR(W)

3 2H, 2 2G
10A STOP
40A AM1
2 2D, 1 2D
B
B–W

F13 FUSIBLE LINK BLOCK
2 1
80A MAIN4(LHD) 80A MAIN3(RHD)
80A MAIN3(LHD) 80A MAIN4(RHD)
120A ALT

BATTERY

J 7 JUNCTION CONNECTOR
88 90 23 (*1)
68 69 13 (*2)
73 79 27 (*5)
63 69 27 (*6)
8 10 3 (*1)
8 10 3 (*2)
3 8 7 (*5)
3 8 7 (*6)
W(W)
5 IG, 4 ACC, 3 STP

KLS+ 2, E 1
S 5 SHIFT LOCK ECU
W(W)
9 (LHD) 9 (RHD)
39 (LHD) 19 (RHD)
J 7 JUNCTION CONNECTOR
2 (*1) 2 (*2) 2 (*5) 2 (*6)
J 7 JUNCTION CONNECTOR
31 81 (*1)
33 61 (*2)
11 71 (*5)
11 61 (*6)
L–W(W)
4 3 W–B(W)
W–B(SB)
2 3P, 9 3C
U 1 KEY INTERLOCK SOLENOID [UNLOCK WARNING SW]
W–B
II : Right kick panel(LHD)
IE : Left kick panel(RHD)

R–W(P)
5 ID1 (LHD)
2 IE1 (RHD)
R–W
2
S11 STOP LIGHT SW
1
G–W
8 ID1 (LHD)
7 IE1 (RHD)
G–W(P)
G–W
G–W(W)
To ABS Actuator and ECU<23–2>
To Engine and ECT ECU(A/T) or Engine ECU(M/T) <3–8> <4–8> <5–3>
W
7 2M, 6 2H, 12 2E, 5 2H
25 2F, 26 2F, 24 2F
G
G–R
G–W
11 BC1
G–W (*3)
G–W (*4)
G–W (*3)
A A A
J15 JUNCTION CONNECTOR
(*3) G–W
To Noise Filter (Defogger)<21–2>
2 H15 HIGH MOUNTED STOP LIGHT 1
5 R10 STOP LIGHT LH [REAR COMB. LIGHT LH] 2
5 R11 STOP LIGHT RH [REAR COMB. LIGHT RH] 2
W–B
BK Left side of quarter panel
BM Right side of quarter panel
BL Center side of back door

Power Source

Interior Light

＊1 : w/ Moon Roof
＊2 : w/o Moon Roof
＊3 : LHD w/ SRS
＊4 : LHD w/o SRS

1 2 3 4

W 1 AM1 ACC 3 L–R IG1 2 B–Y

I10 IGNITION SW

16 2E 20 2J

2 1F 1 1F

L–Y L–Y W–R W L–Y(SB)

10A DOME 30A CUT 20A DOOR 40A AM1

8 2F 2 2G 2 2D 1 2D 2 1A

B B–W B–G

2 B (LHD) 1 B (RHD)

2 A 1 A

80A MAIN3(LHD) 80A MAIN4(RHD) 80A MAIN4(LHD) 80A MAIN3(RHD) 100A MAIN1 120A ALT

F13 A F14 B FUSIBLE LINK BLOCK

BATTERY

J6 JUNCTION CONNECTOR

101 (＊3) 81 (＊4) 82 (RHD)

61 (＊3) 41 (＊4) 41 (RHD)

W 12 8 W

C11 OPEN DOOR WARNING LIGHT [COMB. METER]

6 2G 1 2G 10A GAUGE 7. 5A ACC 9 2J 9 2M

P–L(SB) W

6 3Q 7 3G

IG ACC

18 A BDL

P 4 A PASSENGER SIDE J/B ECU

ACTY PCTY DCTY DOME +B GND1 GND2

3 3B L–Y

4 3G 1 3D 7 3D 2 3D 5 3C 9 3G 3 3D 5 3A 8 3A 9 3C 6 3A 9 3A 3 3Z 2 3Y 2 3A 7 3A

W W R–W R–B R R–W W R–Y R–W L–B W–B W–B L–O L–Y(W) R–W(W) R–W L–Y

(5–Door) (5–Door) (5–Door) (5–Door) (*2) (*1)

10 BC1 R–W W–B

From Combination Meter<24–4>

D 8 DOOR COURTESY SW REAR RH

D 7 DOOR COURTESY SW REAR LH

B 6 BACK DOOR COURTESY SW

D 6 DOOR COURTESY SW (Front Passenger' s Side)

D 5 DOOR COURTESY SW (Driver' s Side)

L 2 LUGGAGE COMPARTMENT LIGHT

P 7 PERSONAL LIGHT

I11 IGNITION KEY CYLINDER LIGHT

I12 INTERIOR LIGHT

ON OFF DOOR

BL Center side of back door

II : Right kick panel(LHD)
IE : Left kick panel(RHD)

BJ Behind the moon roof control SW

N

Power Source | Front Wiper and Washer | Rear Wiper and Washer

1 2 3 4

＊1 : ON and washer
＊2 : RH Wiper Lever Type
＊3 : LH Wiper Lever Type
＊4 : Except General w/o ABS
＊5 : General w/o ABS

I10
IGNITION SW

ACC
AM1
IG1
W
B–Y

C16 (A), (B)
FRONT WIPER AND WASHER SW
[COMB. SW]

MIST
OFF
INT
LOW
HIGH
WASHER

WIPER RELAY

25A WIP
15A RR WIP
40A AM1

F13
FUSIBLE LINK BLOCK
80A MAIN4(LHD)
80A MAIN3(RHD)
120A ALT

BATTERY

B(LG)
L–Y(P)
L–Y
W–B(LG)
L–W(LG)
L–B(LG)
L–O(LG)
L–W
L–O
L–B
B
L
W–B
R–B
P
R–B(W)
P(W)
W–B(LG)

F11
FRONT WASHER MOTOR
(LHD) (RHD)

F12 (A), (B)
FRONT WIPER MOTOR

R 2
REAR WASHER MOTOR

C16 (A), (B)
REAR WIPER AND WASHER SW
[COMB. SW]

	WR	C1R	+1R	EW
WASHER	○			○
OFF				
INT		○		○
ON			○	○
＊1	○		○	○

R16
REAR WIPER MOTOR AND RELAY
+B
CI
LS

REAR WIPER RELAY

REAR WIPER MOTOR

IE : Left kick panel(LHD)
II : Right kick panel(RHD)

Front right side of fender apron

ED : Front left side of fender apron(＊4)
EA : Front right side of fender apron(＊5)

(Cont. next page)

Power Source

Door Lock Control (LHD)

1 2 3 4

* 1 : w/ Power Window
* 2 : w/o Power Window
* 3 : 5–Door
* 4 : w/ Rear Power Window
* 5 : w/o Rear Power Window
* 6 : w/ SRS and w/o Power Window
* 7 : w/o SRS and w/o Power Window

I10 IGNITION SW

10A GAUGE

7. 5A ACC

10A DOME

30A CUT

20A DOOR

40A AM1

10A MAIN1

80A MAIN3

120A ALT

80A MAIN4

F13 (A), F14 (B) FUSIBLE LINK BLOCK

BATTERY

P 4 (A) PASSENGER SIDE J/B ECU

IG ACC BDL

L2 UL2 ACT– GND1 GND2 L1 UL1

L–Y A

L–O B

L–R C

L–R(*3) D

L–O E

L–Y F

L–O G

L–R(*3) H

W–B I

B 7 BACK DOOR KEY LOCK AND UNLOCK SW AND BACK DOOR LOCK MOTOR

D 9 DOOR LOCK MOTOR AND DOOR KEY LOCK AND UNLOCK SW (Front Passenger' s Side)

D 4 DOOR LOCK CONTROL SW (Driver' s Side)

J 7 JUNCTION CONNECTOR

J 8 (A), J 9 (B) JUNCTION CONNECTOR

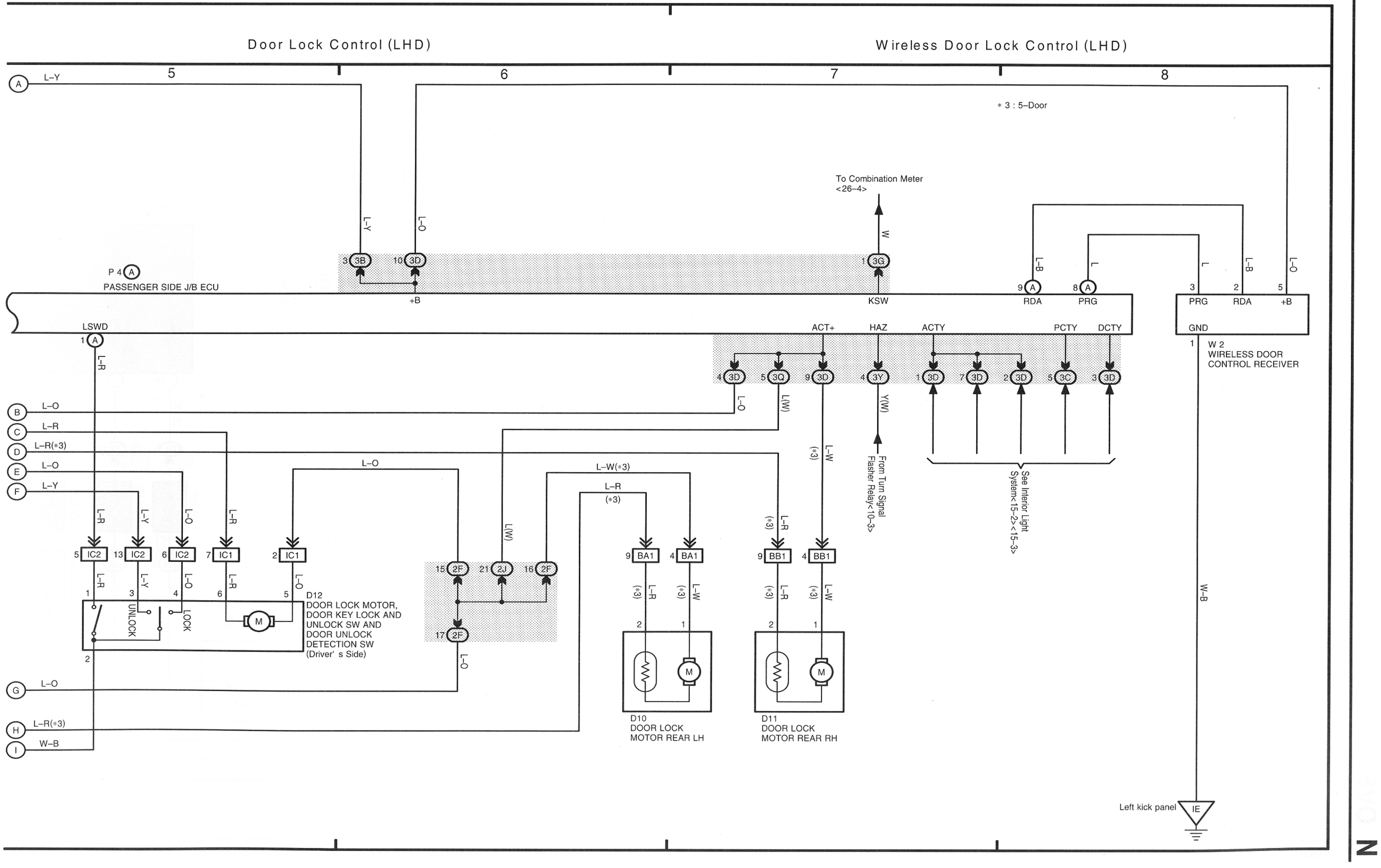
P 12 DOOR LOCK CONTROL SW (Driver s Side) [POWER WINDOW MASTER SW]

BL Center side of back door

II Right kick panel

IE Left kick panel

17 RAV4 (Cont' d)



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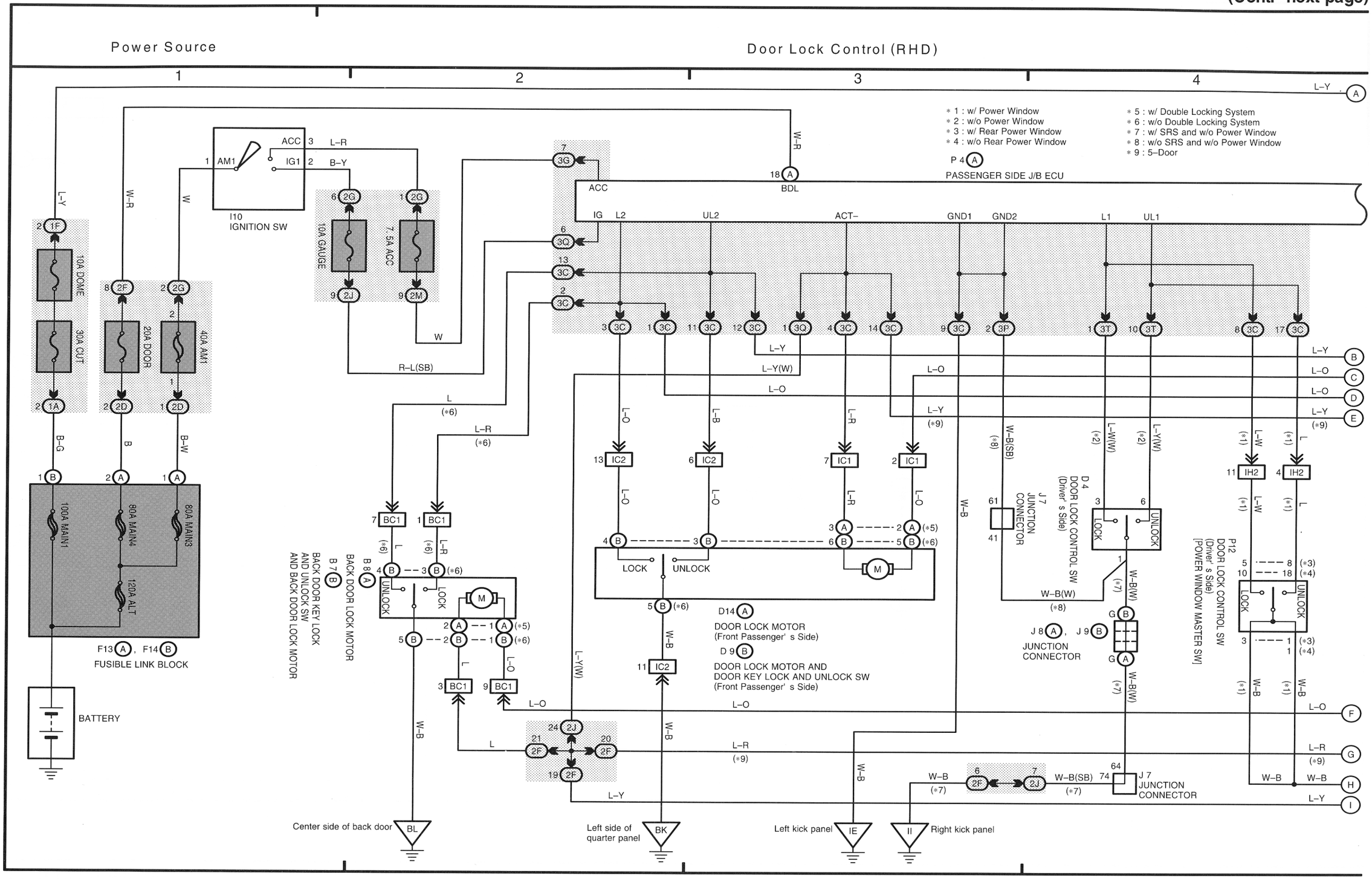
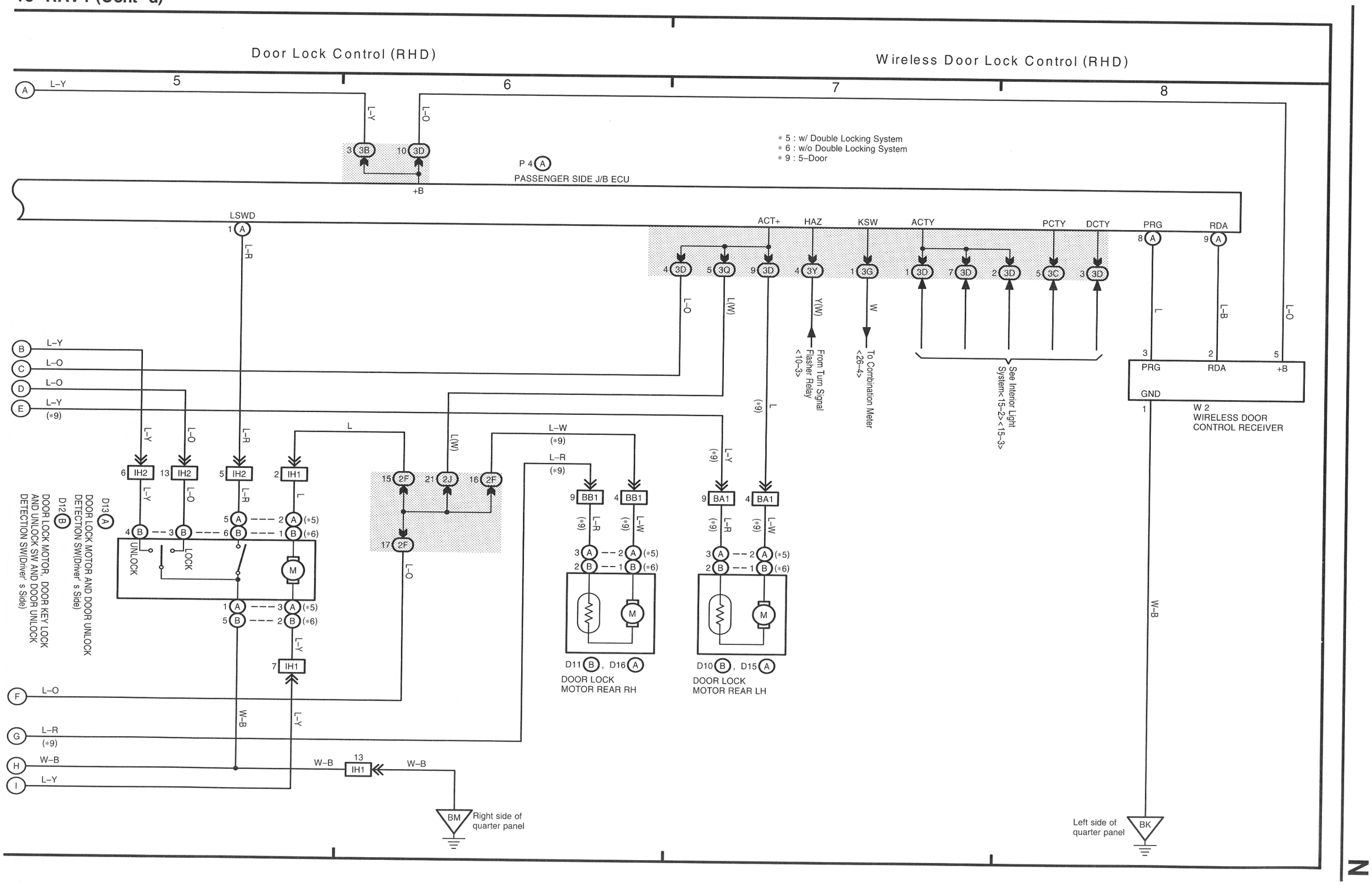


18 RAV4 (Cont' d)



Power Source

Double Locking

1 2 3 4

L–Y
B
B–Y
W
B–G
B–W
B
L–Y
R–L(SB)
W–L
P–G
LG
P
GR–B
W–B

2 1F 10A DOME
2 1A 30A CUT
2 2G 2 40A AM1 1 2D
1 AM1 ACC IG1 2 ST1 I10 IGNITION SW
6 2G 10A GAUGE
9 2J
2 2D 20A DOOR
22 2F
3 3B
6 3Q
4 C BDL2
IG
+B
P 4 A , P 5 C PASSENGER SIDE J/B ECU
9 A RDA
8 A PRG
See Wireless Door Lock Control System< 18–8>
See Interior Light System <15–2><15–3>
To Combination Meter<26–4>
From Turn Signal Flasher Relay<10–3>
See Door Lock Control System <18–3><18–4>
1 3D ACTY
7 3D
2 3D
5 3C PCTY
3 3D DCTY
1 3G KSW
4 3Y HAZ
1 3T L1
8 3C
10 3T UL1
17 3C

1 B
2 A
1 A
80A MAIN4
80A MAIN3
100A MAIN1
120A ALT
F13 A , F14 B FUSIBLE LINK BLOCK
BATTERY

GND3 7 C
DLSP 4 A
DLP+ 2 C
DLP– 8 C
DLSL 6 A
DLL+ 6 C
DLL– 10 C
DLSD 3 A
DLD+ 1 C
DLD– 3 C
DLSR 5 A
DLR+ 5 C
DLR– 9 C

5 IC2
10 IC1
9 IC1
2 BA1
6 BA1
11 BA1
4 IH3
2 IH3
3 IH3
2 BB1
6 BB1
11 BB1

D14 DOUBLE LOCK MOTOR AND DOUBLE LOCK POSITION SW (Front Passenger's Side)
D15 DOUBLE LOCK MOTOR AND DOUBLE LOCK POSITION SW REAR LH
D13 DOUBLE LOCK MOTOR AND DOUBLE LOCK POSITION SW (Driver's Side)
D16 DOUBLE LOCK MOTOR AND DOUBLE LOCK POSITION SW REAR RH

4 8 7 6 M

4 IC2
12 BA1
13 IH1
12 BB1

BK Left side of quarter panel
BM Right side of quarter panel
II Right kick panel

(Cont. next page)

Power Source

Power Window

＊1 : w/ Rear Power Window

1 2 3 4

ACC
AM1
IG1
I10
IGNITION SW
B–Y
L–Y
W
B
R–L
R–L(SB)
P(W)
W–R
W–B
B–G
B–W
10A DOME
30A CUT
40A AM1
10A GAUGE
10A ECU IG
20A DOOR
30A POWER
POWER RELAY
PASSENGER SIDE J/B ECU
+B
IG
BDL
PMS
DCTY
PCTY
GND1
GND2
P 4 A
See Interior Light System<15–2>, <15–3>
IC2 (LHD)
IH2 (RHD)
P12
POWER WINDOW MASTER SW
BW
B1
E
SGND
LMT
PLS
DD
DU
IC1 (LHD)
IH1 (RHD)
II1 (LHD)
IC1 (RHD)
(＊1)
80A MAIN3(LHD)
80A MAIN4(RHD)
80A MAIN4(LHD)
80A MAIN3(RHD)
100A MAIN1
120A ALT
F13 A , F14 B
FUSIBLE LINK BLOCK
BATTERY
P13 A , B
POWER WINDOW MOTOR
(Driver' s Side)
II : Right kick panel(LHD)
IE : Left kick panel(RHD)
IE : Left kick panel(LHD)
II : Right kick panel(RHD)
BK : Left side of quarter panel(LHD)
BM : Right side of quarter panel(RHD)

20 RAV4 (Cont' d)

Power Window

Moon Roof

5 6 7 8

＊1 : w/ Rear Power Window

P12
POWER WINDOW MASTER SW

PU 13 | PD 15 | RLU 12 | RLD 10 | RRU 18 | RRD 16

G–R | L–W | L–B (*1) | L–R (*1) | R–Y (*1) | R–L (*1)

A B
B B (*1)
C B (*1)
D B

P14
POWER WINDOW MOTOR
(Front Passenger' s Side)

P 9
POWER WINDOW CONTROL SW
(Front Passenger' s Side)

P15
POWER WINDOW MOTOR
REAR LH

P10
POWER WINDOW
CONTROL SW REAR LH

P16
POWER WINDOW MOTOR
REAR RH

P11
POWER WINDOW
CONTROL SW REAR RH

M 2
MOON ROOF MOTOR AND LIMIT SW

10 3C — 4 3A

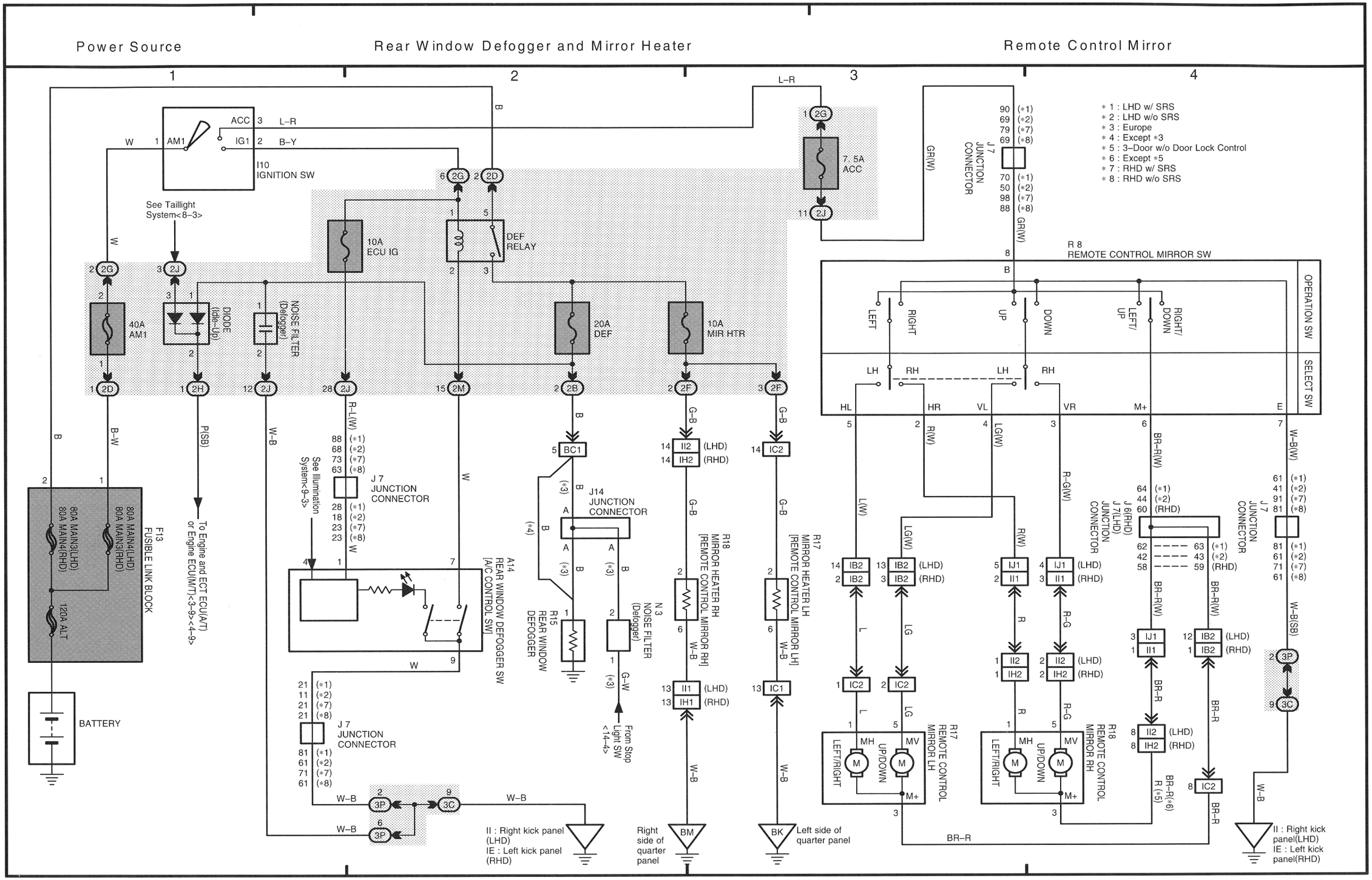
IG | LS#3 | LS#2 | MTR+ | MTR–

M 1
MOON ROOF CONTROL SW
AND RELAY

Behind the moon roof
control SW

BJ

N


Power Source
Rear Window Defogger and Mirror Heater
Remote Control Mirror
1
2
3
4
ACC
IG1
AM1
I10
IGNITION SW
L–R
B–Y
W
B
See Taillight System<8–3>
10A ECU IG
DEF RELAY
7.5A ACC
40A AM1
DIODE (Idle–Up)
NOISE FILTER (Defogger)
20A DEF
10A MIR HTR
R–L(W) (*1)
(*2)
(*7)
(*8)
J 7 JUNCTION CONNECTOR
See Illumination System<9–3>
A14 REAR WINDOW DEFOGGER SW [A/C CONTROL SW]
J14 JUNCTION CONNECTOR
R15 REAR WINDOW DEFOGGER
N 3 NOISE FILTER (Defogger)
From Stop Light SW <14–4>
R18 MIRROR HEATER RH [REMOTE CONTROL MIRROR RH]
R17 MIRROR HEATER LH [REMOTE CONTROL MIRROR LH]
F13 FUSIBLE LINK BLOCK
80A MAIN4(LHD)
80A MAIN3(RHD)
80A MAIN3(LHD)
80A MAIN4(RHD)
120A ALT
BATTERY
To Engine and ECT ECU(A/T) or Engine ECU(M/T)<3–9><4–9>
* 1 : LHD w/ SRS
* 2 : LHD w/o SRS
* 3 : Europe
* 4 : Except *3
* 5 : 3–Door w/o Door Lock Control
* 6 : Except *5
* 7 : RHD w/ SRS
* 8 : RHD w/o SRS
R 8 REMOTE CONTROL MIRROR SW
OPERATION SW
SELECT SW
LEFT
RIGHT
UP
DOWN
LEFT/UP
RIGHT/DOWN
HL
HR
VL
VR
M+
E
J 7 JUNCTION CONNECTOR
J 6(RHD) J 7(LHD) JUNCTION CONNECTOR
R17 REMOTE CONTROL MIRROR LH
R18 REMOTE CONTROL MIRROR RH
LEFT/RIGHT
UP/DOWN
MH
MV
M
BR–R(W)
BR–R
BR–R(*6) R(*5)
W–B(W)
W–B(SB)
L(W)
LG(W)
R(W)
R–G(W)
L
LG
R
R–G
W–B
BR–R
Right side of quarter panel
Left side of quarter panel
II : Right kick panel (LHD)
IE : Left kick panel (RHD)
II : Right kick panel(LHD)
IE : Left kick panel(RHD)

Power Source

ABS

* 1 : Shielded
* 2 : LHD w/ SRS
* 3 : LHD w/o SRS
* 4 : RHD w/ SRS
* 5 : RHD w/o SRS

I10 IGNITION SW

ACC, IG1, IG2, ST2, AM1, AM2

40A AM1

30A AM2

80A MAIN4(LHD)
80A MAIN3(RHD)

100A MAIN1

100A MAIN2

120A ALT

F13 (A), F14 (B)
FUSIBLE LINK BLOCK

BATTERY

30A ABS 2

40A ABS 1

10A IG2

J 7 JUNCTION CONNECTOR

C10 (A), C11 (B), C13 (D)
COMBINATION METER
BRAKE
ABS

From Stop Light SW<14-4>

To DLC3
<3-11><3-12><4-11><4-12>

10A ECU IG

10A GAUGE

See Combination Meter System <26-1><26-2>

J 1 (A), J 2 (B), J 3 (C)
JUNCTION CONNECTOR

A 5
ABS ACTUATOR AND ECU
+BS, +BM, STP, BRL, WA, D/G, TS, TC, IG1, PKB, GGND, GL1, VGS, GND1, GND2, FL+, FL−, FR+, FR−, RL+, RL−, RR+, RR−

A16
ABS DECELERATION SENSOR

A 6
ABS SPEED SENSOR FRONT LH

A 7
ABS SPEED SENSOR FRONT RH

A22
ABS SPEED SENSOR REAR LH

A23
ABS SPEED SENSOR REAR RH

P 3 (B)
PASSENGER SIDE J/B ECU

PKB, BRK, IG, GND1, GND2

EA
Front right side of fender apron

II : Right kick panel (LHD)
IE : Left kick panel (RHD)

Power Source | Key Reminder and Light Reminder Buzzer | Seat Belt Warning

1 | 2 | 3 | 4

* 1 : LHD w/ SRS
* 2 : LHD w/o SRS
* 3 : RHD w/ SRS
* 4 : RHD w/o SRS
* 5 : w/ Engine Immobiliser System

L-Y
W
B-Y
R-L(W)
L-Y(SB)
B-G
B-W
W-B
BR
R-Y
R-L
W-B(SB)
W-B(W)
L-R(W)

ACC
AM1
IG1
I10 IGNITION SW

10A ECU IG
10A DOME
30A CUT
40A AM1
100A MAIN1
80A MAIN4(LHD)
80A MAIN3(RHD)
120A ALT
F13 (A), F14 (B) FUSIBLE LINK BLOCK
BATTERY

J7 JUNCTION CONNECTOR
J6 JUNCTION CONNECTOR
J6(LHD) J7(RHD) JUNCTION CONNECTOR
A14 FRONT PASSENGER' S SIDE SEAT BELT WARNING LIGHT [A/C CONTROL SW]
See Illumination System<9-2>
To Door Courtesy SW (Driver' s Side)<15-3>
C10 (A), C11 (B) COMBINATION METER
DRIVER' S SIDE SEAT BELT
BUZZER
From Engine and ECT ECU(A/T) or Engine ECU(M/T) <3-10><4-10>
U 1 UNLOCK WARNING SW
B 9 BUCKLE SW (Driver' s Side)
B10 BUCKLE SW (Front Passenger' s Side) AND SEAT BELT WARNING OCCUPANT DETECTION SENSOR

II : Right kick panel(LHD)
IE : Left kick panel(RHD)
IE : Left kick panel(LHD)
II : Right kick panel(RHD)

Power Source

Radio and Player

1 2 3 4

＊1 : 5–Door
＊2 : 3–Door
＊3 : w/ SRS
＊4 : LHD w/ SRS
＊5 : LHD w/o SRS
＊6 : w/ Multi Display
＊7 : w/ Daytime Running Light
＊8 : w/o Daytime Running Light
＊9 : RHD w/ SRS
＊10 : RHD w/o SRS

I10 IGNITION SW
ACC 3 L–R
IG1 2 B–Y
1 AM1
L–Y
W
7 1G 15A RADIO
30A CUT 2 1A
2 2G 40A AM1 1 2D
6 2G 10A ECU IG 28 2J
2 B (LHD) 1 B (RHD)
B–G
B–W
100A MAIN1
80A MAIN4(LHD) 80A MAIN3(RHD)
120A ALT
F13 A , F14 B FUSIBLE LINK BLOCK
BATTERY
W–B
IE : Left kick panel(LHD)
II : Right kick panel(RHD)
W–B(SB)
J7 JUNCTION CONNECTOR
83 (*4) 74 (*9)
74 (*4) 64 (*9)
7 2J
6 2F
W–B(W)
From IG2 Relay <3–5><4–5>
From Injector No. 1 <3–5><4–5>
R–L (W)
88 (*4) 73 (*9)
78 (*4) 63 (*9)
J 8 JUNCTION CONNECTOR
E (W) R–L
7 A IG
B–W (1AZ–FE)
B–W (1ZZ–FE)
11 IF1 11 ID2
9 IF2 9 ID1
B–W(P)
14 A TAUB
B–R (1AZ–FE)
B–R (1ZZ–FE)
5 IF1 5 ID2
3 IF2 (LHD) 3 ID1 (RHD)
B–R(P)
15 A T
GR–B(W)
GR (W)
10 B TX+
9 B TX–
11 A TX–
3 A TX+
8 A +B
L–Y (*6)
L–Y(LG) (*6)
8 IA3
J7 JUNCTION CONNECTOR
1 2G 7.5A ACC 11 2J
GR(W)
90 (*4) 69 (*5) 79 (*9) 69 (*10)
80 89 (*4) 70 (*5) 68 78 (*9) 68 (*10)
GR(W) 18 A ACC
GR(W) 3 C ACC
L–Y(LG) 4 C +B
B 2 D RL+
Y 6 D RL–
R 1 D RR+
W 3 D RR–
R13 REAR SPEAKER LH
R14 REAR SPEAKER RH
B (*2) R (*1) W (*1) Y (*2)
R (*2) R (*1) W (*1) W (*2)
5 BA1 10 BA1
5 BB1 10 BB1
B1 IG2 B1 IF2
15 IB2 7 IB2
16 IB2 8 IB2
15 IJ1 7 II1
16 IJ1 (LHD) 8 II1 (RHD)
MULTI DISPLAY
TX2– GND1 TX1– TH+ SG TAIL SPD
1 A 4 A 2 A 13 A 12 A 17 A 16 A
W–B(W) (1ZZ–FE)
BR–R(W)
W–G(W)
G(W)
V–W(W)
C B C B J 8 A , J 9 B JUNCTION CONNECTOR
C A C A
G B G A J 8 A , J 9 B JUNCTION CONNECTOR
A15 IA1 A12 IA1 (LHD)
A15 IF2 A12 IF2 (RHD)
BR–R
W–G
2 A 2 A/C EVAPORATOR TEMP. SENSOR 1
From Light Control SW [Comb. SW]<*7><9–3> From PANEL Fuse(*8) <9–3>
From Combination Meter <26–6>
R 3 A , R 4 B , R 5 C , R 6 D RADIO AND PLAYER
ANT 8 C
P–L(SB) (*3)
1 A20 ANTENNA AMPLIFIER
FL+ FL– FR+ FR– GND
2 C 6 C 1 C 5 C 7 C
P V LG L
7 IB2 15 IB2 8 IB2 16 IB2 7 IJ1 15 II1 8 IJ1 (LHD) 16 II1 (RHD)
P V LG L
5 IC1 4 IC1 5 II1 5 IH1 4 II1 (LHD) 4 IH1 (RHD)
P V LG L
1 2 F16 FRONT SPEAKER LH
1 2 F17 FRONT SPEAKER RH
BR(P)
IH : Right side of instrument panel brace(LHD)
IF : Left side of instrument panel brace(RHD)

(Cont. next page)

Power Source

Combination Meter

* 1 : LHD w/ SRS
* 2 : LHD w/o SRS
* 3 : Europe
* 4 : Except Europe
* 5 : Except LHD General w/o ABS
* 6 : LHD General w/o ABS
* 7 : RHD w/ SRS
* 8 : RHD w/o SRS

1 2 3 4

I10 IGNITION SW

ACC, IG1, IG2, AM1, AM2

10A DOME, 30A CUT, 10A GAUGE, 10A ECU IG, 40A AM1, 30A AM2

80A MAIN(LHD), 80A MAIN(RHD), 100A MAIN, 120A ALT

FUSIBLE LINK BLOCK F13 (A), F14 (B)

BATTERY

P 3 (B) PASSENGER SIDE J/B ECU

+B, BWRN, IG

P 2 PARKING BRAKE SW

PKB, PKBJ (w/o ABS), GND1, GND2, BRK

B 2 BRAKE FLUID LEVEL WARNING SW

W-B(W) (w/o SRS), W-B(SB), W-B (*5), W-B (*6)

II : Right kick panel(LHD)
IE : Left kick panel(RHD)

ED Front left side of fender apron

See Headlight System<6-3><7-3>

See Rear Fog Light System<7-1>

See Turn Signal and Hazard Warning Light <10-2>

See ECT and A/T Indicator System <5-7><5-8>

See Seat Belt Warning System <24-3>

From Illumination System<9-2>

BEAM, REAR FOG, LH, RH, P, R, N, D, 2, L

ILLUMINATION

(*1) (*2) (*3) (*4) (*7) (*8)

C10 (A), C11 (B), C12 (C), C13 (D) COMBINATION METER

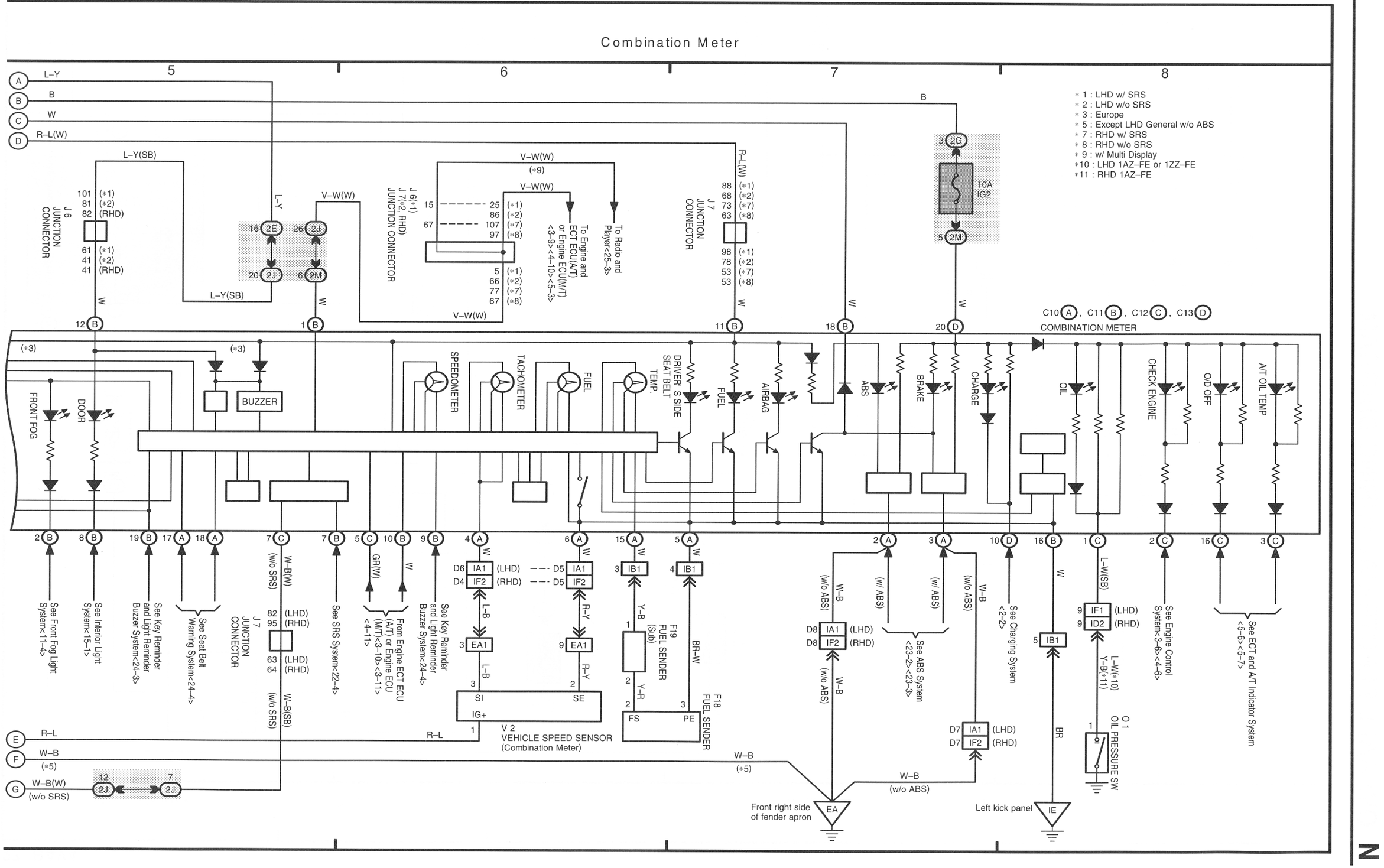
J7 JUNCTION CONNECTOR

From Passenger Side J/B ECU <17-7><18-7> <19-4>

See Illumination System<9-2>

See Headlight System<6-3><7-3>

L-Y (A)
B (B)
W (C)
R-L(W) (D)
R-L (E)
W-B (*5) (F)
W-B(W) (w/o SRS) (G)


Combination Meter
5
6
7
8
A L-Y
B B
C W
D R-L(W)
L-Y(SB)
101 (*1)
81 (*2)
82 (RHD)
J 6 JUNCTION CONNECTOR
61 (*1)
41 (*2)
41 (RHD)
16 2E
20 2J
L-Y
L-Y(SB)
26 2J
6 2M
V-W(W)
J 6(*1) J 7(*2, RHD) JUNCTION CONNECTOR
V-W(W) (*9)
V-W(W)
15 25 (*1) 86 (*2) 107 (*7) 97 (*8)
67
5 (*1) 66 (*2) 77 (*7) 67 (*8)
To Engine and ECT ECU(A/T) or Engine ECU(M/T) <3-9><4-10><5-3>
To Radio and Player<25-3>
V-W(W)
R-L(W)
88 (*1) 68 (*2) 73 (*7) 63 (*8)
J 7 JUNCTION CONNECTOR
98 (*1) 78 (*2) 53 (*7) 53 (*8)
3 2G
10A IG2
5 2M
* 1 : LHD w/ SRS
* 2 : LHD w/o SRS
* 3 : Europe
* 5 : Except LHD General w/o ABS
* 7 : RHD w/ SRS
* 8 : RHD w/o SRS
* 9 : w/ Multi Display
*10 : LHD 1AZ-FE or 1ZZ-FE
*11 : RHD 1AZ-FE
12 B
1 B
11 B
18 B
20 D
C10 A, C11 B, C12 C, C13 D
COMBINATION METER
(*3)
(*3)
BUZZER
FRONT FOG
DOOR
SPEEDOMETER
TACHOMETER
FUEL
TEMP.
DRIVER'S SIDE SEAT BELT
FUEL
AIRBAG
ABS
BRAKE
CHARGE
OIL
CHECK ENGINE
O/D OFF
A/T OIL TEMP
2 B
8 B
19 B
17 A
18 A
7 C
7 B
5 C
10 B
9 B
4 A
6 A
15 A
5 A
2 A
3 A
10 D
16 B
1 C
2 C
16 C
3 C
See Front Fog Light System<11-4>
See Interior Light System<15-1>
See Key Reminder and Light Reminder Buzzer System<24-3>
See Seat Belt Warning System<24-4>
W-B(W)
(w/o SRS)
82 (LHD)
95 (RHD)
J 7 JUNCTION CONNECTOR
63 (LHD)
64 (RHD)
W-B(SB)
(w/o SRS)
See SRS System<22-4>
GR(W)
W
From Engine ECT ECU (A/T) or Engine ECU (M/T)<3-10><3-11><4-11>
See Key Reminder and Light Reminder Buzzer System<24-4>
D6 IA1 (LHD)
D4 IF2 (RHD)
D5 IA1
D5 IF2
L-B
3 EA1
R-Y
9 EA1
3 SI
IG+
1
2 SE
V 2
VEHICLE SPEED SENSOR
(Combination Meter)
3 IB1
Y-B
1
2
Y-R
F19 FUEL SENDER (Sub)
2 FS
3 PE
BR-W
4 IB1
F18 FUEL SENDER
W-B
(w/o ABS)
D8 IA1 (LHD)
D8 IF2 (RHD)
(w/ ABS)
See ABS System <23-2><23-3>
(w/ ABS)
(w/o ABS)
W-B
D7 IA1 (LHD)
D7 IF2 (RHD)
See Charging System <2-2>
W
5 IB1
BR
L-W(SB)
9 IF1 (LHD)
9 ID2 (RHD)
L-W(*10)
Y-B(*11)
1
O 1
OIL PRESSURE SW
See Engine Control System<3-6><4-6>
See ECT and A/T Indicator System <5-6><5-7>
E R-L
F W-B
(*5)
G W-B(W)
(w/o SRS)
12 2J
7 2J
R-L
W-B
(*5)
W-B
(w/o ABS)
Front right side of fender apron
EA
Left kick panel
IE

Power Source | Power Outlet | Radiator Fan and Condenser Fan

1 | 2 | 3 | 4

B–G
B–Y
ACC 3 L–R
1 AM1 IG1 2 B–Y
I10 IGNITION SW
W
B
L–R
R–L
6 2G
10A GAUGE
9 2J
R–L(SB)
6 3Q
5 3B
R–L
2 2D 1 2G
PWR OUTLET RELAY
15A POWER OUTLET
5 2F 6 2F
GR
J 3 JUNCTION CONNECTOR
A A A
GR
GR
P 8 POWER OUTLET (REAR)
P 6 POWER OUTLET (FRONT)
W–B
W–B (RHD)
W–B (LHD)
W–B
BK Left side of quarter panel
IE : Left kick panel(LHD)
II : Right kick panel(RHD)
2 2G 2 40A AM1 1 2D
B–G
B–W
B
1 B (LHD)
2 B (RHD) 1 A 2 A
100A MAIN2
80A MAIN4(LHD) 80A MAIN3(RHD)
80A MAIN3(LHD) 80A MAIN4(RHD)
120A ALT
F13 A , F14 B
FUSIBLE LINK BLOCK
BATTERY
1 1A
30A RDI
2
10 1G
1 5 FAN NO. 1 RELAY
2 3
1 3 4 FAN NO. 2 RELAY
2 5
1 30A CDS 2
5 1 FAN NO. 3 RELAY
3 2
6 1D 4 1G 5 1G 6 1G 10 1F 2 1E 3 1E 1 1E 11 1F
LG–B
LG–R
LG
LG–B
W–B
B–R
L–W
L–R
B
From Engine and ECT ECU(A/T) or Engine ECU(M/T)<3–8><4–7>
A 4 A/C SINGLE PRESSURE SW
W 1 WATER TEMP. SW
R 1 RADIATOR FAN MOTOR
A 1 A/C CONDENSER FAN MOTOR
D 1 DIODE(Fan)
2 3 1
LG–B
R–Y
C11 IG2 (LHD)
A17 IA1 (RHD)
R–Y(W)
To Passenger Side J/B ECU<28–2>
2 3 (LHD)
W–B (RHD)
EA Front right side of fender apron
ED Front left side of fender apron

Power Source

Air Conditioner

＊1 : LHD w/ SRS
＊2 : LHD w/o SRS
＊3 : RHD w/ SRS
＊4 : RHD w/o SRS

1 2 3 4

I10 IGNITION SW

ACC 3 L–R
1 AM1
IG1 2 B–Y

W
B–G
R–L
R–B(LHD) R (RHD)
L–R
B–Y
R–L(W)
R–L(SB)
W
B–W
W–B
P
R–B(P)
BR–W(W)
W–B(SB)
B(W)
B
L
L(W)
W(W)
R–L(W)
R(W)
R
W–B(W)
B(W)
L(W)
Y–G(W)
G–W(W)
Y(W)
R–Y(W)
W–B(SB)

2G 2J 2M 2D 1A 1G 3B 3Q 3G 3S 3C 3P 1S 2S 1F 1E 2A 1A 1B 2B 3A 3B 4A 4B 1A 2A 3A 4A 1B 2B 3B 4B

10A GAUGE
7. 5A ACC
10A ECU IG
40A AM1
40A HTR
5A A/C
HTR RELAY
PASSENGER SIDE J/B ECU
IG
MGP
ACC
ACIN
GND1
GND2
MGC

12 EA1
A 3 A/C MAGNETIC CLUTCH AND LOCK SENSOR

A11 IG2 (LHD)
C11 IA1 (RHD)
A14 IG2 (LHD)
C7 IA1 (RHD)
A17 IG2 (LHD)
C6 IA1 (RHD)

J 6 JUNCTION CONNECTOR
46 (＊1)
17 (＊2)
25 (RHD)
45 ---- 56 (＊1)
18 ---- 28 (＊2)
26 ---- 36 (RHD)

J 7 JUNCTION CONNECTOR
88 (＊1)
68 (＊2)
73 (＊3)
63 (＊4)
28 (＊1)
18 (＊2)
23 (＊3)
23 (＊4)

A17 AIR INLET CONTROL SERVO MOTOR
IG+ FRS REC

See Illumination System<9–3>

A 4 A/C DUAL PRESSURE SW

A14 A/C CONTROL SW
B ILL+ IG FRS REC IG+

7 IF1 ---- 1 IF1 (LHD)
7 ID2 ---- 1 ID2 (RHD)

118 (＊1)
98 (＊2)
118 (＊3)
108 (＊4)
109 --- 108 (＊1)
89 --- 88 (＊2)
109 --- 108 (＊3)
99 --- 98 (＊4)
From Diode(Fan) <27–4>
From Engine and ECT ECU(A/T) or Engine ECU(M/T) <3–8><4–7>

81 (＊1)
61 (＊2)
71 (＊3)
61 (＊4)
111 (＊1)
91 (＊2)
111 (＊3)
101 (＊4)

110 (＊1)
90 (＊2)
110 (＊3)
100 (＊4)
120 --- 119 (＊1)
100 --- 99 (＊2)
119 --- 120 (＊3)
109 --- 110 (＊4)

27 (＊1)
84 (＊2)
9 (RHD)
47 (＊1)
94 (＊2)
29 (RHD)

J 6(＊1, RHD) J 7(＊2) JUNCTION CONNECTOR

A15 A/C THERMISTOR

From Engine and ECT ECU(A/T) or Engine ECU(M/T) <3–11><4–12>
To Engine and ECT ECU(A/T) or Engine ECU(M/T) <3–7><4–8>

15 W 54 --- 58 (＊1)
24 --- 23 (＊2)
33 --- 32 (RHD)
44 --- 48 (＊1)
14 --- 13 (＊2)
23 --- 22 (RHD)

J 6 JUNCTION CONNECTOR

A13 A/C AMPLIFIER
GND ACIN TE SG LOCK PRS AC1 IGN A/C LED
5 6 9 13 14 2 12 4 8 10

B 4 (A), (B) BLOWER RESISTOR
4A ---- 2A --- 3A --- 1A (LHD)
1B ---- 3B --- 2B --- 4B (RHD)

B 3 BLOWER MOTOR
B1 IA1
M

B 5 BLOWER SW
HI M2 M1 LO OFF
4 5 6 8 1

J 7 JUNCTION CONNECTOR
9 IA3

1 A 2 B (LHD)
1 B 2 B (RHD)
100A MAIN2
80A MAIN4(LHD)
80A MAIN3(RHD)
120A ALT
FUSIBLE LINK BLOCK
F13 (A), F14 (B)

BATTERY

10 1F 8 1E 8 1F

Front left side of fender apron
ED

IF : Left side of instrument panel brace(LHD)
IH : Right side of instrument panel brace(RHD)

Right side of instrument panel brace(LHD)
Left side of instrument panel brace(RHD)
IG

II : Right kick panel(LHD)
IE : Left kick panel(RHD)

TOYOTA
QUALITY SERVICE

OVERSEAS SERVICE DIVISION
TOYOTA MOTOR CORPORATION

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