TOYOTA

ELECTRICAL WIRING DIAGRAM

TOYOTA SUPRA

1987 MODEL

For USA & Canada Pub. No. EWD022U

FOREWORD

This wiring diagram has been prepared to provide information on the electrical system of the 1987 TOYOTA SUPRA.

Applicable models: MA70 series

For other service specifications and repair procedures of the 1987 TOYOTA SUPRA than listed in this manual, refer to the following repair manuals;

Manual Name	Pub No.
1987 Toyota Supra Repair Manual	RM043U
TCCS (7M-GE) Diagnosis Manual	DM008U
ECT (A340E) Diagnosis Manual	DM006U

All information in the manual is based on the latest product information at the time of publication. However, specifications and procedures are subject to change without notice.

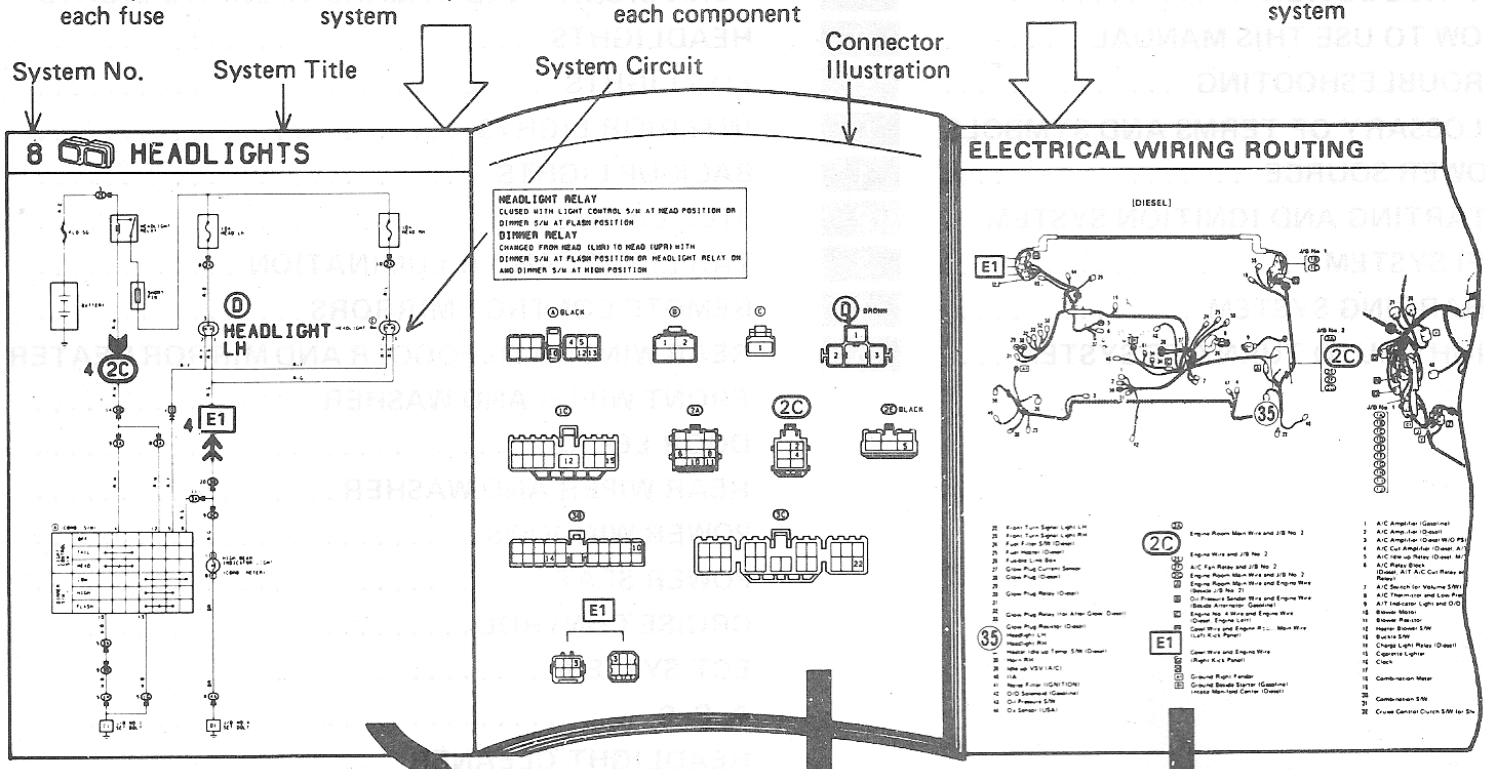
TOYOTA MOTOR CORPORATION

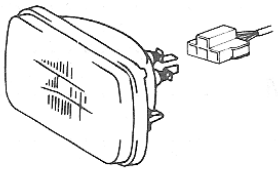
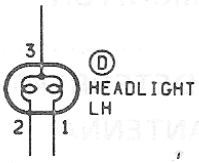
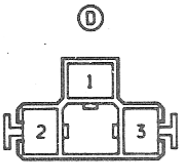
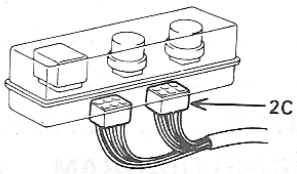
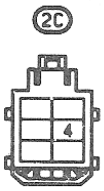
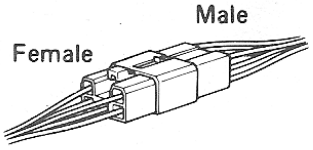
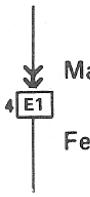
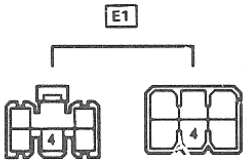
1987 TOYOTA SUPRA
ELECTRICAL WIRING DIAGRAM

A INTRODUCTION

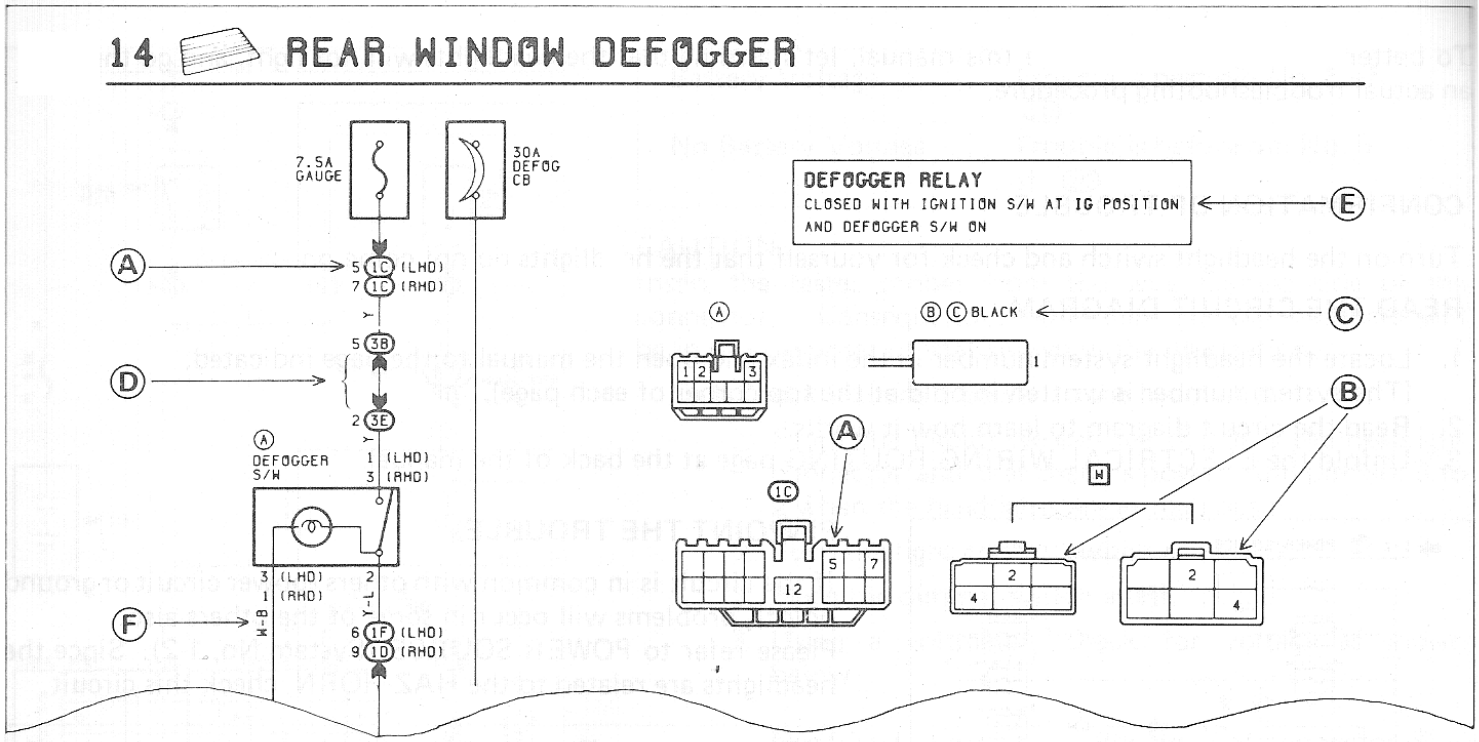
This manual is composed of the following 5 elements.

Power Source	System Circuit	Ground Points	Relay Location & Wiring Routing	Over all Wiring Diagram
Circuit from battery to each fuse	Each circuit classified by system	Relation between ground points of each component	Relay & Connector location	Shows relation between each system



Components	Circuit	Connector	Location
		 (Wire Harness Side)	35 Headlight LH (Wiring routing components listed in alphabetical order)
 Junction Block No. 2		 (Wire Harness Side)	2C Engine Room Main Wire & Junction Block No. 2
 Wire to Wire Connector			E1 Engine Room Main Wire & Cowl Wire

14 REAR WINDOW DEFOGGER



Ⓐ Pin Number

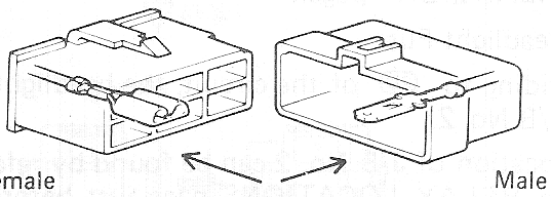
Numbered in order from upper left to lower right

Numbered in oder from upper right to lower left

Female Male

Ⓑ Male & female connectors distinguished by shape of their internal pins.

- All connectors are shown from the open end, and the lock is on top.

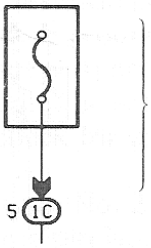


Ⓒ Connector Color

Connectors not indicated are milky white in color.

Ⓓ Indicates circuit in Junction Block No. 3.

Example:



1C indicates that it is inside Junction Block No. 1.

Ⓔ Troubleshooting Hints & Components Operation

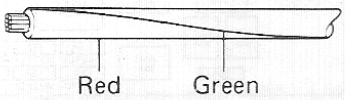
Ⓕ Wire Color

Wire colors are indicated by an alphabetical code.

B = Black	L = Light Blue	R = Red
BR = Brown	LG = Light Green	V = Violet
G = Green	O = Orange	W = White
GR = Gray	P = Pink	Y = Yellow

The first letter indicates the basic wire color and the second letter indicates the color of the stripe.

Example: R—G



ABBREVIATIONS

The following abbreviations are used in this manual.

A/C = Air Conditioner	FL = Fusible Link	RH = Right-hand
A/T = Automatic Transmission	J/B = Junction Block	S/W = Switch
CB = Circuit Breaker	LH = Left-hand	VSV = Vacuum Switching Valve
ECT = Electronic Controlled Transmission	M/T = Manual Transmission	W/ = With
EFI = Electronic Fuel Injection	O/D = Overdrive	W/O = Without

B HOW TO USE THIS MANUAL

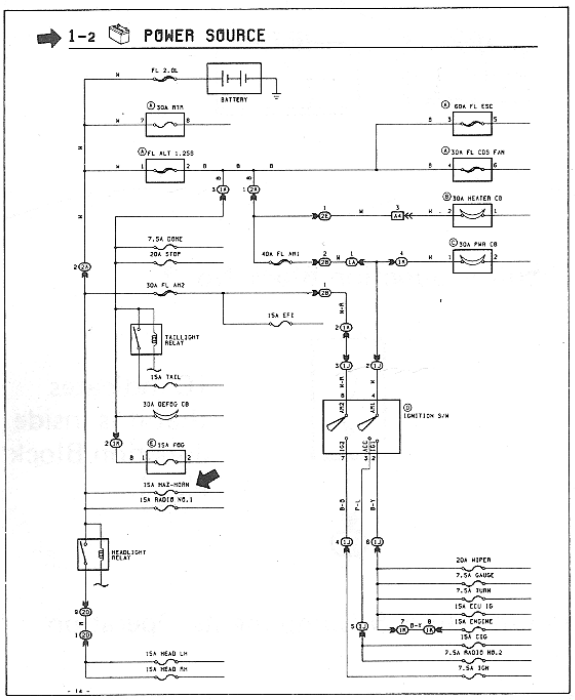
To better understand how to use this manual, let's assume that the headlights will not light, and go through an actual troubleshooting procedure.

CONFIRMATION OF TROUBLE

Turn on the headlight switch and check for yourself that the he dlights do not come on.

READ THE CIRCUIT DIAGRAM

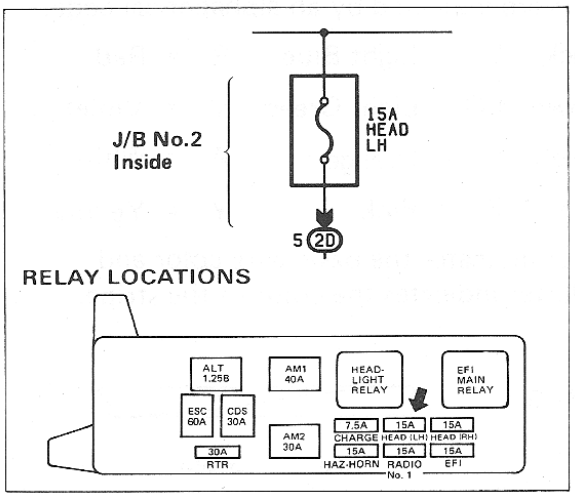
1. Locate the headlight system number in the index and open the manual to the page indicated. (The system number is written in bold at the top corner of each page).
2. Read the circuit diagram to learn how it works.
3. Unfold the ELECTRICAL WIRING ROUTING page at the back of the manual.



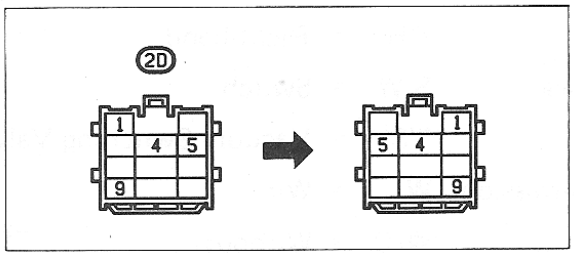
PINPOINT THE TROUBLE

If the circuit is in common with others (power circuit or ground point), problems will occur in some of the others also. Please refer to POWER SOURCE (System No, 1-2). Since the headlights are related to the HAZ-HORN, check this circuit.

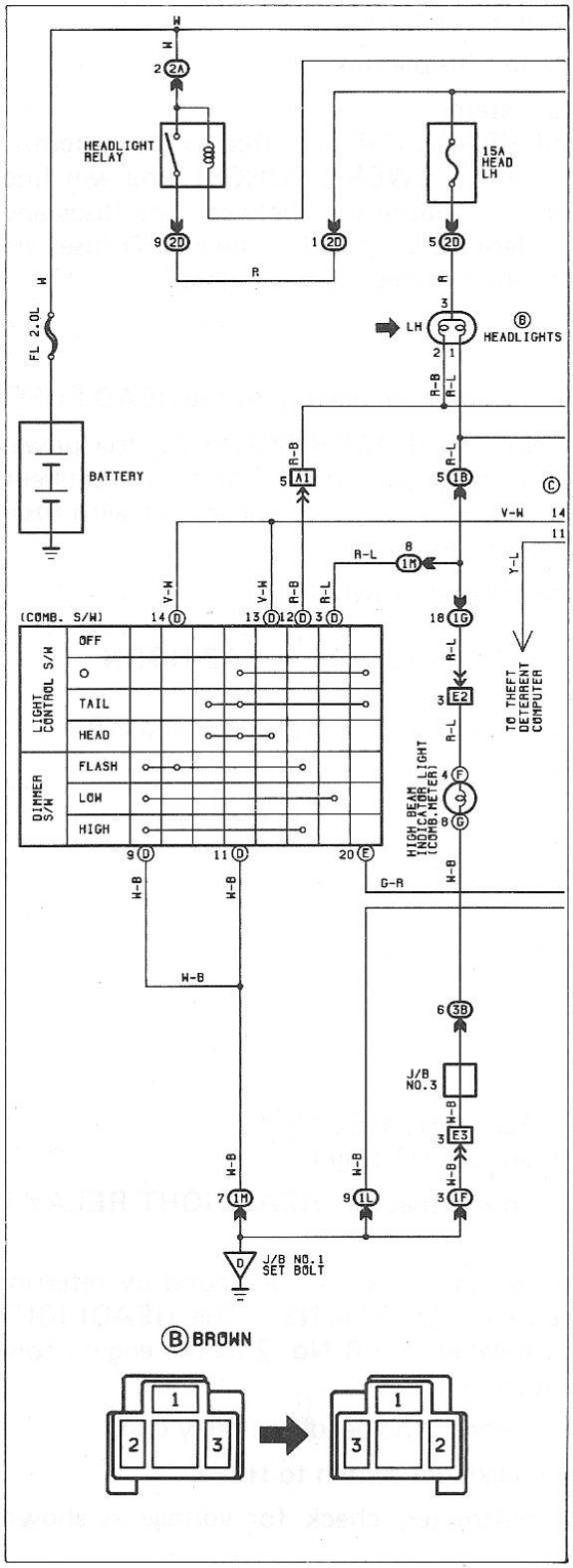
Okay	Trouble lies within the headlight circuit.
Bad	Check circuits in common.



1. Inspection of Headlight Circuit
   (Return to HEADLIGHT page.)
   (a) Check Headlight Fuse
      ① Accoriding to 2D of the circuit, the headlight fuse is in J/B No. 2.
      ② The location of J/B No. 2 can be found by referring to the RELAY LOCATIONS page just before the ELECTRICAL WIRING ROUTING page.
      ③ Check if either fuse is blown.
   (b) Check if there is power to pin No. 5 of 2D .
      ① Turn the light control switch to HEAD.
      ② Using a voltmeter, check for voltage as shown below.



Negative (−) Probe	Good ground point or negative battery terminal.
Positive (+) Probe	Pin No. 5 of 2D .



Battery Voltage	Trouble is past pin No. 5 of (2D) .
No Battery Voltage ...	Trouble is before pin No. 5 of (2D) .

CAUTION:
Insert the tester probes from the wire harness side of the connector. Consequently, note that the pin numbers will be in reverse order of that shown in the illustration.

(c) Check if there is power to the headlights.

① From the circuit we can see that Ⓑ is the headlight connector and that there is power from pin No. 3 to 2 when the headlights are at high beam.

② Turn the light control switch to **HEAD**.

③ Place the dimmer switch at **HI**.

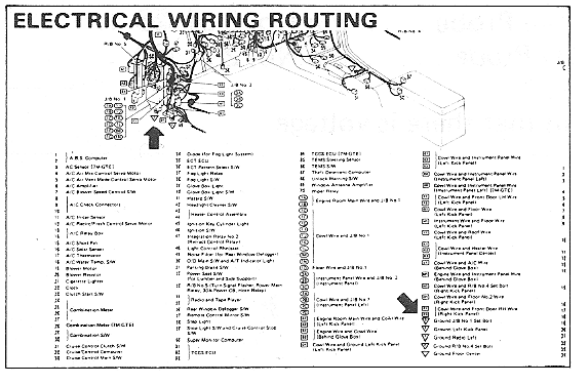
④ Using a voltmeter, check for voltage as shown below.

Negative (−) probe ... Pin No. 2 of connector Ⓑ .
Positive (+) probe .... Pin No. 3 of connector Ⓑ .

Voltage	Trouble is in the headlight.
No Voltage	Probable defective ground past pin No.2 so make contact with negative lead to a good ground point or battery negative terminal and check for voltage.
Voltage	Trouble is past pin No. 2 of Ⓑ .
No Voltage	Trouble is before pin No. 3 of Ⓑ .

CAUTION:
Do not check for continuity while voltage is applied or it may result in damage to the tester.

(d) To check the low beam, place the dimmer switch at LOW and perform the check in the same sequence.



(e) Check ground point

1 The ground point is indicated by the ▽ J/B No. 1 SET BOLT in the circuit.

2 The location of the ground point on the vehicle can be found by referring to the same symbol ▽ in ELECTRICAL WIRING ROUTING.

1–1 POWER SOURCE (Power—Load Reference)

J/B No.2 (Engine Compartment)

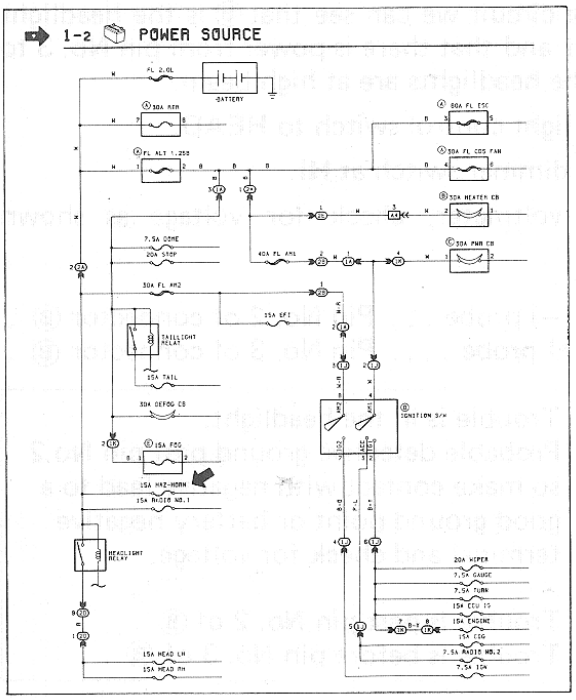
30A	RTR	Retract Control Relay (Integration Relay No. 2)
7.5A	CHARGE	Alternator
15A	HEAD LH	Headlight (LH)
15A	HEAD RH	Headlight (RH)
15A	HAZ-HORN	Turn Signal Flasher
		Horns, Horn Relay
		Theft Deterrent Horn
15A	EFI	Circuit Opening Relay, TCCS ECU, Check Connector, ISC Valve, VSV (EGR, Fuel Pressure up and Intake Air Controll, OX Sensor
15A	RADIO NO. 1	ECT ECU
		Clock
		Super Monitor Computer
		Theft Deterrent Computer
		Auto Antenna
		Radio and Tape Player

2. Inspection of Common Circuits

(a) Check battery and fusible link

(b) Check related systems
Check how the HEAD FUSE is related to the system. In system No. 1-1 (POWER SOURCE), you will find a chart listing the relationship between the fuses and components. Here we can see that the HEAD fuses are related only to their respective headlights.

1–2 POWER SOURCE

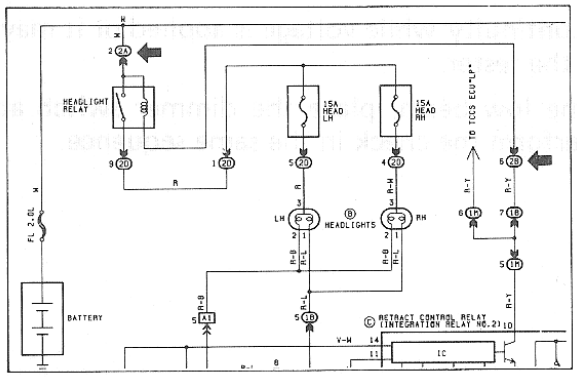


(c) Check the circuit from the battery to the HEAD FUSE.

① In system No. 1-2 (POWER SOURCE), tha power circuits for all fuses are listed. The circuit between the battery and HEAD fuse branches off with fuses HAZ-HORN 15A etc.

② Turn on the HAZARD switch

Okay	No trouble in circuit up to HAZ-HORN junction.
Bad	Trouble lies between fusible link and J/B No. 2.



(d) Check the HEADLIGHT RELAY
(Return to HEADLIGHT page)

1 The circuit shows that the HEADLIGHT RELAY is in J/B No. 2.

2 Installation of the relay can be found by referring to the RELAY LOCATIONS. The HEADLIGHT RELAY is located in J/B No. 2 in the engine compartment as shown.

3 Check for power to the headlight relay coil.

① Turn the headlight switch to HEAD.

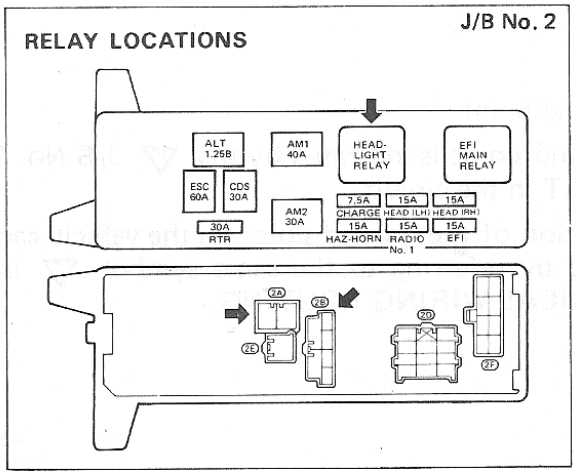
② Using a voltmeter, check for voltage as shown below.

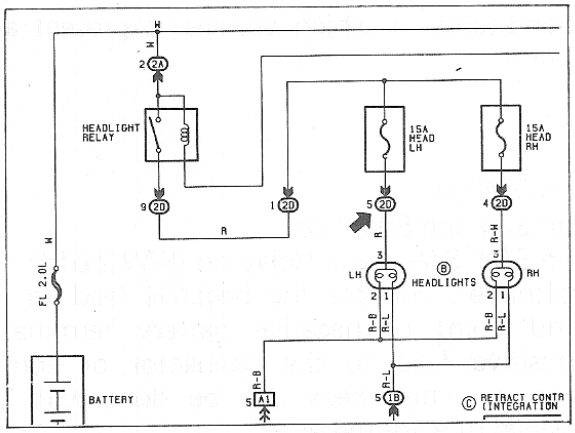
Negative (—) Probe . . . . Pin No. 6 of 2B .
Positive (+) Probe . . . . . Pin No. 2 of 2A .

Confirm that there is voltage

RELAY LOCATIONS

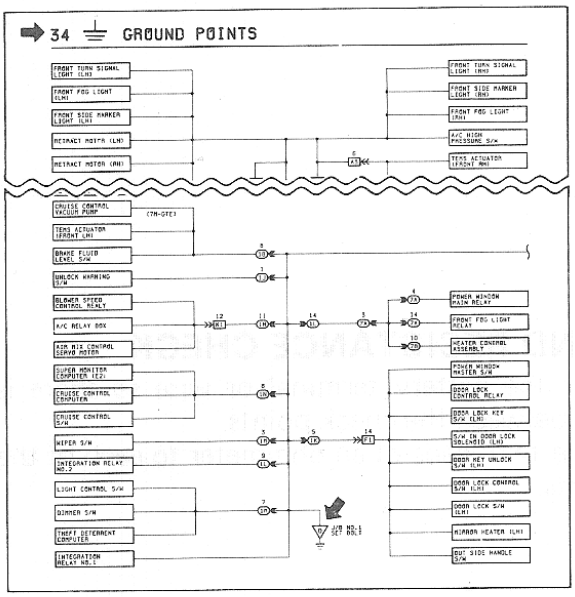
J/B No. 2





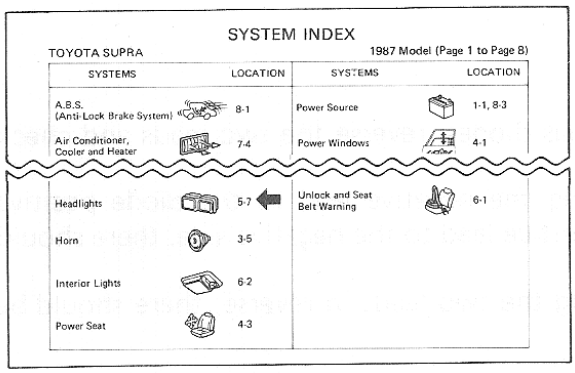
4 Next, check if the headlight relay points are closed and there is power to the pin No. 5 of (2D).
See step 1-(b)

If no voltage, trouble lies in the headlight relay.



(e) Check which systems (components) have the same ground point.

The ground points are listed in system No. 34 (GROUND POINTS). As shown, GROUND POINT ▽D is used for other components besides the HEADLIGHT SYSTEM, and it also connected to GROUND POINT ▽E .



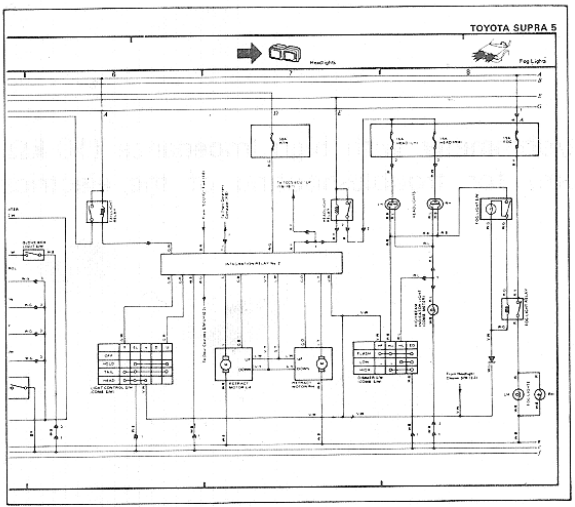
SYSTEM INDEX

TOYOTA SUPRA 1987 Model (Page 1 to Page 8)

SYSTEMS	LOCATION	SYSTEMS	LOCATION
A.B.S. (Anti-Lock Brake System)	8-1	Power Source	1-1, 8-3
Air Conditioner, Cooler and Heater	7-4	Power Windows	4-1
Headlights	5-7	Unlock and Seat Belt Warning	6-1
Horn	3-5		
Interior Lights	6-2		
Power Seat	4-3		

(f) Check how the HEADLIGHT SYSTEM is connected to the other systems.

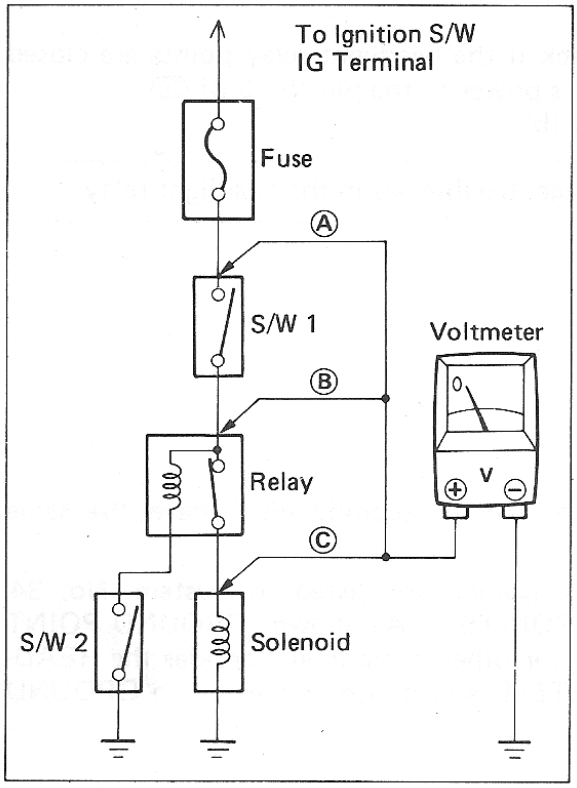
1 From the EWD SYSTEM INDEX (facing the first EWD), we can find the location of the headlight system within the ELECTRICAL WIRING DIAGRAM at the back of the book (Page 5 of 8, grid 7).



2 By referring to the ELECTRICAL WIRING DIAGRAM, we can see that the HEADLIGHT SYSTEM is related to the TAIL and ILLUMINATION SYSTEM.

NOTE:
The relationship between system circuits is not shown so always confirm with the overall wiring diagram.

(g) Re-check
After repair, check that the circuit functions normally. Always follow the steps described above to narrow down the possible range of the trouble.



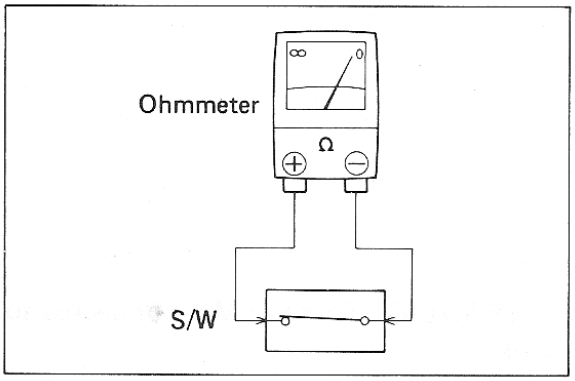
VOLTAGE CHECK

(a) Establish conditions in which voltage is present at the check point.

Example:

Ⓐ— Ignition S/W on
Ⓑ— Ignition S/W and S/W 1 on
Ⓒ— Ignition S/W, S/W 1 and Relay on (S/W 2 off)

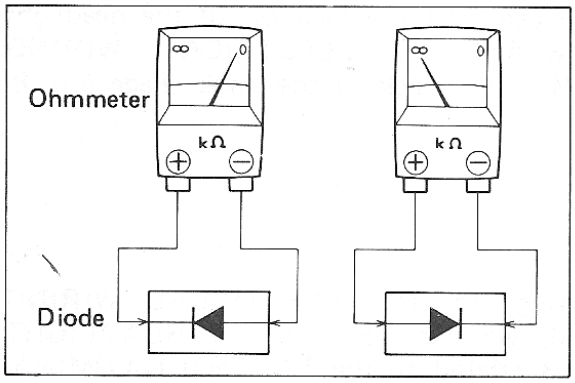
(b) Using a voltmeter, connect the negative lead to a good ground point or negative battery terminal, and the positive lead to the connector or component terminal. This check can be done with a test light instead of a voltmeter.



CONTINUITY AND RESISTANCE CHECK

(a) Disconnect the battery terminal or wire so there is no voltage between the check points.

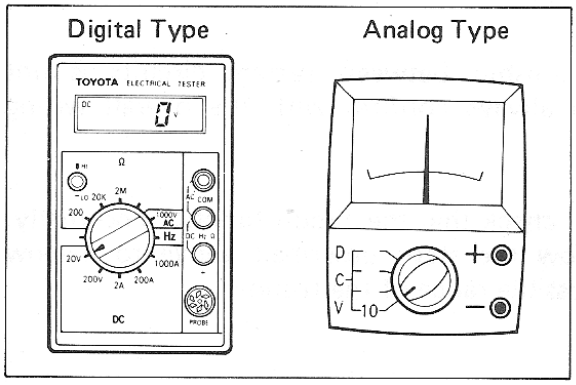
(b) Contact the two leads of an ohmmeter to each of the check points.



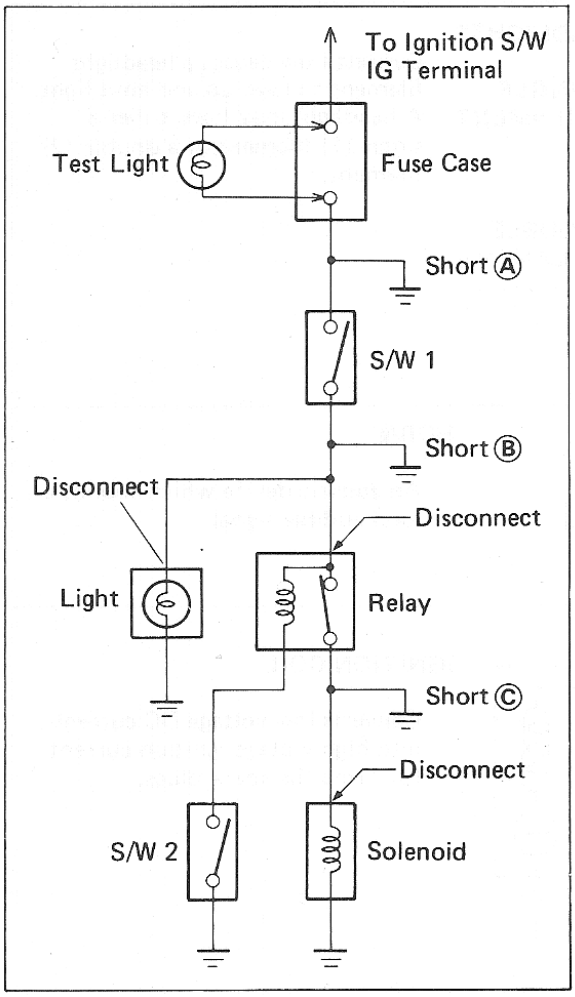
If the circuit has diodes, reverse the two leads and check again.

When contacting the negative lead to the diode positive side and the positive lead to the negative side, there should be continuity.

When contacting the two leads in reverse, there should be no continuity.



(c) Use a volt/ohmmeter with high impedance (10 kΩ/V minimum) for troubleshooting of the electrical circuit.



FINDING A SHORT CIRCUIT

(a) Remove the blown fuse and disconnect all loads of the fuse.

(b) Connect a test light in place of the fuse.

(c) Establish conditions in which the test light comes on.

Example:

Ⓐ— Ignition S/W on

Ⓑ— Ignition S/W and S/W 1 on

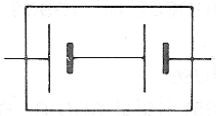
Ⓒ— Ignition S/W, S/W 1 and Relay on (Connect the Relay) and S/W 2 off (or Disconnect S/W 2)

(d) Disconnect and reconnect the connectors while watching the test light.

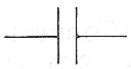
The short lies between the connector where the test light stays lit and the connector where the light goes out.

(e) Find the exact location of the short by lightly shaking the problem wire along the body.

D GLOSSARY OF TERMS AND SYMBOLS



BATTERY
Stores chemical energy and convertsit into electrical energy. Provides DC current for the auto's various electrical circuits.



CAPACITOR (Condenser)
A small holding unit for temporary storage of electrical voltage Capacitors with a ground connection are frequently called Condensers.

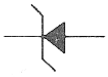
CIGARETTE LIGHTER

An electric resistance heating element.

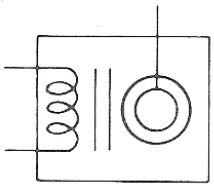
CIRCUIT BREAKER
Basically a reusable fuse, a circuit breaker will heat and open if too much current flows through it. Some units automatically reset when cool, others must be manually reset.

DIODE
A semiconductor which allows current flow in only one direction.

DIODE, ZENER



A diode which allows current flow in one direction but blocks reverse flow only up to a specific voltage. Above that potential, it passes the excess voltage. This acts as a simple voltage regulator.



DISTRIBUTOR, IIA

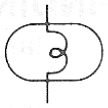
Channels high-voltage current from the ignition coil to the individual spark plugs.

FUSE
A thin metal strip which burns through when too much current flows through it, thereby stopping current flow and protecting a circuit from damage.

FUSIBLE LINK

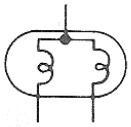
A heavy-gauge wire placed in high amperage circuits which burns through on overloads, thereby protecting the circuit.

GROUND
The point at which wiring attaches to the chassis, thereby providing a return path for an electrical circuit; without a ground, current cannot flow.



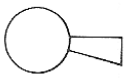
HEADLIGHTS

1. SINGLE FILAMENT



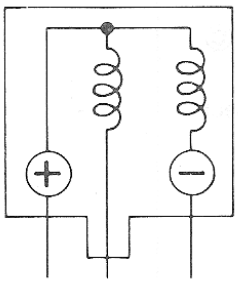
2. DOUBLE FILAMENT

Current flow causes a headlight filament to heat up and emit light. A headlight may have either a single (1) filament or a double (2) filament.



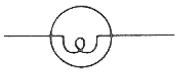
HORN

An electric device which sounds a loud audible signal.

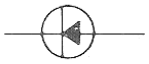


IGNITION COIL

Converts low-voltage DC current into high-voltage ignition current for firing the spark plugs.



LIGHT
Current flow through a filament causes the filament to heat up and emit light.

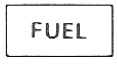


LED (LIGHT EMITTING DIODE)

Upon current flow, these diodes emit light without producing the heat of a comparable light. Used in instrument displays.

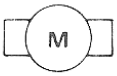
METER, ANALOG

Current flow activates a magnetic coil which causes a needle to move, thereby providing a relative display against a background calibration.

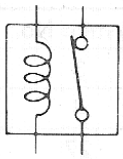


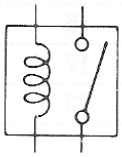
METER, DIGITAL

Current flow activates one or many LED's, LCD's, or flourescent displays, which provide a relative or digital display.



MOTOR
A power unit which converts electrical energy into mechanical energy, especially rotary motion.

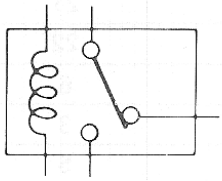




RELAY

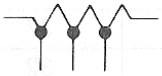
1. **NORMALLY CLOSED**
2. **NORMALLY OPEN**

Basically, an electrically operated switch which may be normally closed (1) or open (2). Current flow through a small coil creates a magnetic field which either opens or closes an attached switch.



RELAY, DOUBLE THROW

A relay which passes current through one set of contacts or the other.



RESISTOR

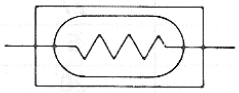
An electrical component with a fixed resistance, placed in a circuit to reduce voltage to a specific value.

RESISTOR, TAPPED

A resistor which supplies two or more different non-adjustable resistance values.

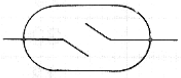
RESISTOR, VARIABLE or RHEOSTAT

A controllable resistor with a variable rate of resistance. Also called a potentiometer or rheostat.



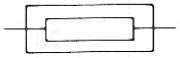
SENSOR (Thermistor)

A resistor which varies its resistance with temperature.



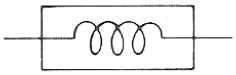
SENSOR, ANALOG SPEED

Uses magnetic impulses to open and close a switch to create a signal for activation of other components.



SHORT PIN

Used to provide an unbroken connection within a junction block.

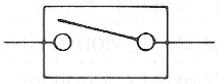


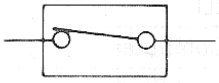
SOLENOID

An electromagnetic coil which crestes a magnetic field upon current flow, to move a plunger, etc.

SPEAKER

An electromechanical device which creates sound waves from current flow.

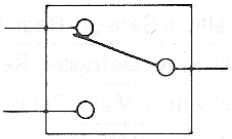




SWITCH, MANUAL

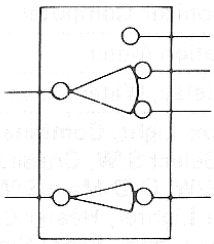
1. **NORMALLY OPEN**
2. **NORMALLY CLOSED**

Opens and closes circuits, thereby stopping (1) or allowing (2) current flow.



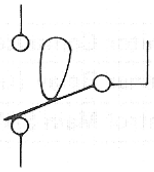
SWITCH, DOUBLE THROW

A switch which continuously passes current through one set of contacts or the other.



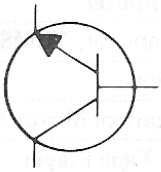
SWITCH, IGNITION

A key operated switch with several positions which allow various circuits, Particularly the primary ignition circuit, to become operational.



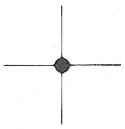
SWITCH, WIPER PARK

Automatically returns wipers to the stop position when the wiper switch is turned off.



TRANSISTOR

A solidstate device typically used as an electronic relay; stops or passes current depending on the applied voltage at "base"



WIRES

1. **NOT CONNECTED**
2. **SPLICED**

Wires are always drawn as straight lines on wiring diagrams. Crossed wires (1) without a black dot at the junction are not joined; crossed wires (2) with a black dot at the junction are spliced (joined) connections.

J/B No.1 (Left Kick Panel)

Power		Load	System No.
7.5A	IGN	TCCS ECU	3
		Charge Warning Light	4
		Super Monitor Computer	27
20A	WIPER	Washer Motor, Wiper Motor, Wiper Relay	15
		Rear Washer Motor, Rear Wiper Relay, Rear Wiper Motor	17
		Headlight Cleaner Relay	23
20A	STOP	Stop Lights, Hi Mount Stop Light, Light Failure Sensor	11
		Cruise Control Computer	20
		ECT ECU	21
		A.B.S. Computer	22
7.5A	TURN	Turn Signal Flasher	6
7.5A	GAUGE	Check Engine Warning Light	3
		Light Retainer Relay (Integration Relay No. 2)	5
		Back-up Lights	10
		Light Failure Sensor, Rear Lights Warning	11, 12
		Defogger S/W, Defogger Relay	14
		Power Window Main Relay	18
		A/T Indicator S/W, Pattern Select S/W	21
		A.B.S. Warning Light, A.B.S. Computer	22
		Seat Belt Warning Light, Integration Relay No. 1	26
		Super Monitor Computer	27
		Combination Meter	32
		Heater Relay, Water Valve VSV, Heater Control Assembly, A/C Relay Box	33
15A	TAIL	Glove Box Light, Combination Meter Light, Radio, A/T Indicator Pattern Select S/W, Cruise Control Main S/W, Hazard S/W, O/D Main S/W, Defogger S/W Cigarette Lighter, Heater Control Assembly, Fog Light S/W Clearance Lights, Front Side Marker Lights, Licence Plate Lights, Rear Side Marker Lights Light Failure Sensor, Taillight	12
		Clock	24
		Super Monitor Computer	27
15A	ECU-IG	Light Retainer Relay (Integration Relay No. 2)	5
		Cruise Control Main S/W	20
		ECT ECU	21
		A.B.S. Computer	22
		TEMS Computor, TEMS S/W	25
		Auto Antenna	30
7.5A	RADIO NO.2	Remote Control Mirror S/W, Mirror Motor	13
		Radio and Tape Player	31
7.5A	DOME	Vanity Mirror Light, Ignition Key Cylinder Light, Interior Light, Door Key Cylinder Light, Door Warning Light, Luggage Compartment Light, Integration Relay No. 1, Door Courtesy Light	9
		Integration Relay No.1	26
10A	MIR. HTR	Mirror Heater	14

J/B No.1 (Left Kick Panel)

Power		Load	System No.
15A	ENGINE	Alternator	4
15A	CIG	Cigarette Lighter, Clock	24
		Super Monitor Computer	27
		Theft Deterrent Computer	29
		Auto Antenna	30
		Magnet Clutch Relay	33
30A	DEFOG CB	Rear Window Defogger	14

J/B No.2 (Engine Compartment)

30A	RTR	Retract Control Relay (Integration Relay No. 2)	7
7.5A	CHARGE	Alternator	4
15A	HEAD LH	Headlight (LH)	7
15A	HEAD RH	Headlight (RH)	7
15A	HAZ-HORN	Turn Signal Flasher	16
		Horns, Horn Relay	28
		Theft Deterrent Horn	29
15A	EFI	Circuit Opening Relay, TCCS ECU, Check Connector, ISC Valve, VSV (EGR, Fuel Pressure up and Intake Air Control), OX Sensor	3
15A	RADIO NO. 1	ECT ECU	21
		Clock	24
		Super Monitor Computer	27
		Theft Deterrent Computer	29
		Auto Antenna	30
		Radio and Tape Player	31
30A	FL AM_2	Ignition S/W (AM_2)	1
30A	FL CDS FAN	Condenser Fan Motor	33
40A	FL AM_1	Ignition S/W (AM_1)	1
		Alternator	4
		Headlight Cleaner Motor	23
1.25B	FL ALT	Alternator	4
60A	FL ESC	A.B.S. Actuator, A.B.S. Computer	22

J/B No.4 (Right Kick Panel)

10A	A/C	A/C Amplifier Dual Pressure S/W, Condenser Fan Relay, Magnet Clutch	33
30A	HEATER CB	Blower Motor	33

Fusible Links (Near the Battery)

FL 2.0L		Headlight Relay	1, 7

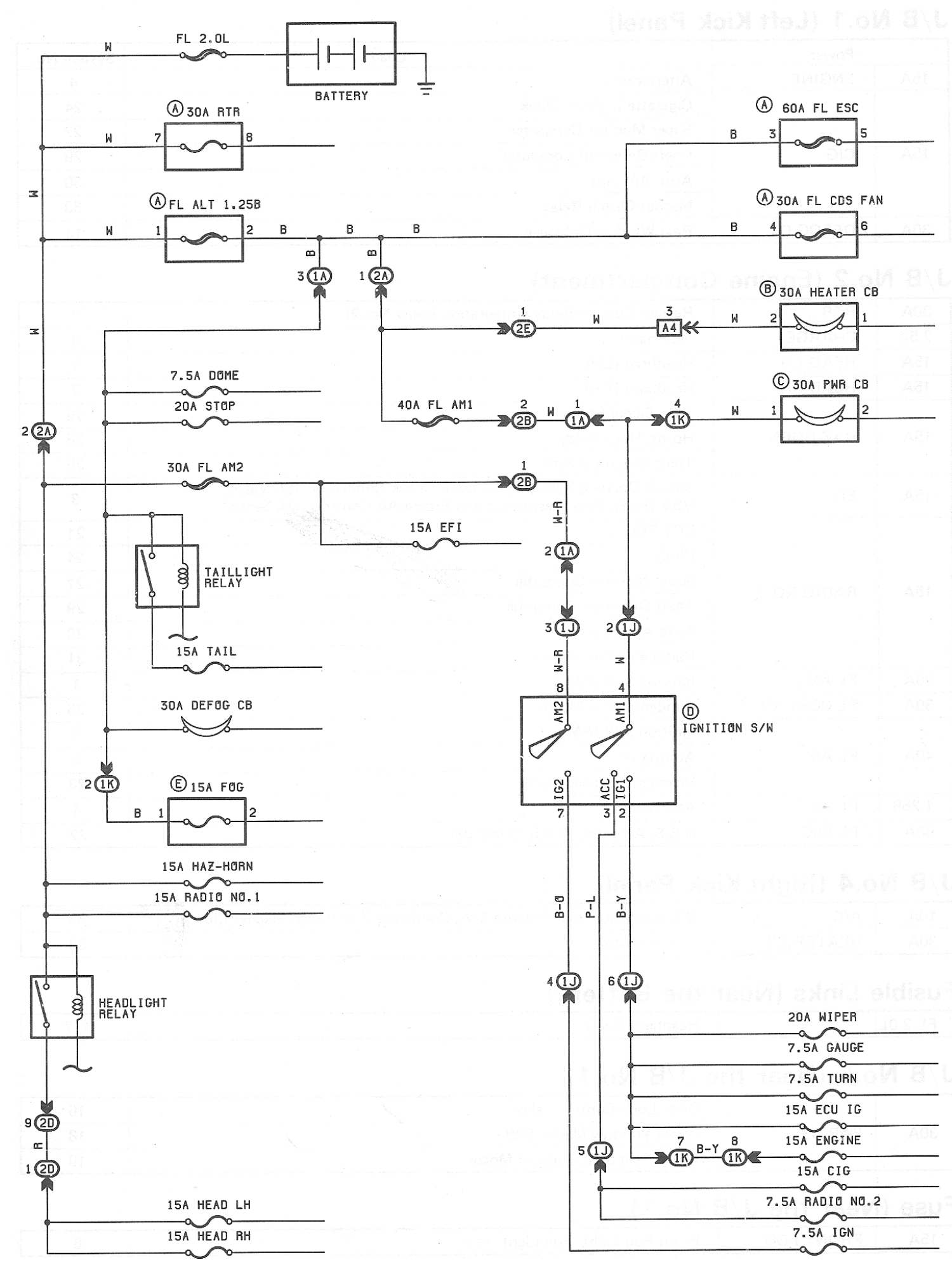
J/B No.5 (Near the J/B No.1)

30A	PWR CB	Door Lock Control Relay	16
		Power Window Master S/W	18
		Power Seat S/W, Support Motor	19

Fuse (Near the J/B No.1)

15A	FRONT FOG	Front Fog Light, Fog Light Relay	8

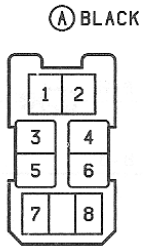
POWER SOURCE

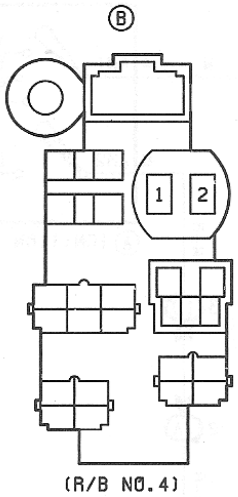


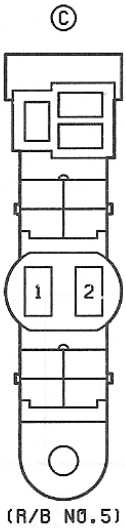
TAILLIGHT RELAY
CLOSED WITH LIGHT CONTROL S/W AT **TAIL** OR **HEAD** POSITION

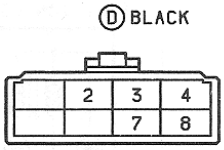
HEADLIGHT RELAY
CLOSED WITH LIGHT CONTROL S/W AT **HEAD** POSITION
OR DIMMER S/W AT **FLASH** POSITION

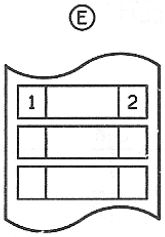
Ⓓ IGNITION S/W
4-3 : CLOSED WITH IGNITION KEY AT **ACC** OR **IG** POSITION
8-7,4-2: CLOSED WITH IGNITION KEY AT **IG** OR **ST** POSITION

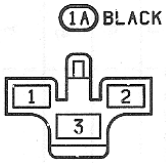


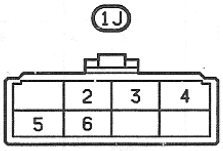


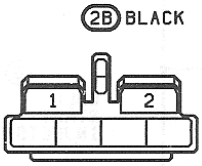


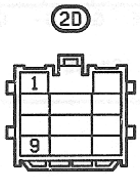


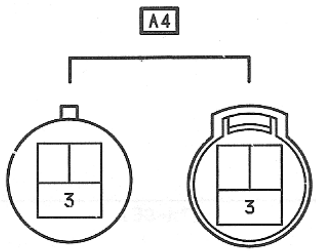


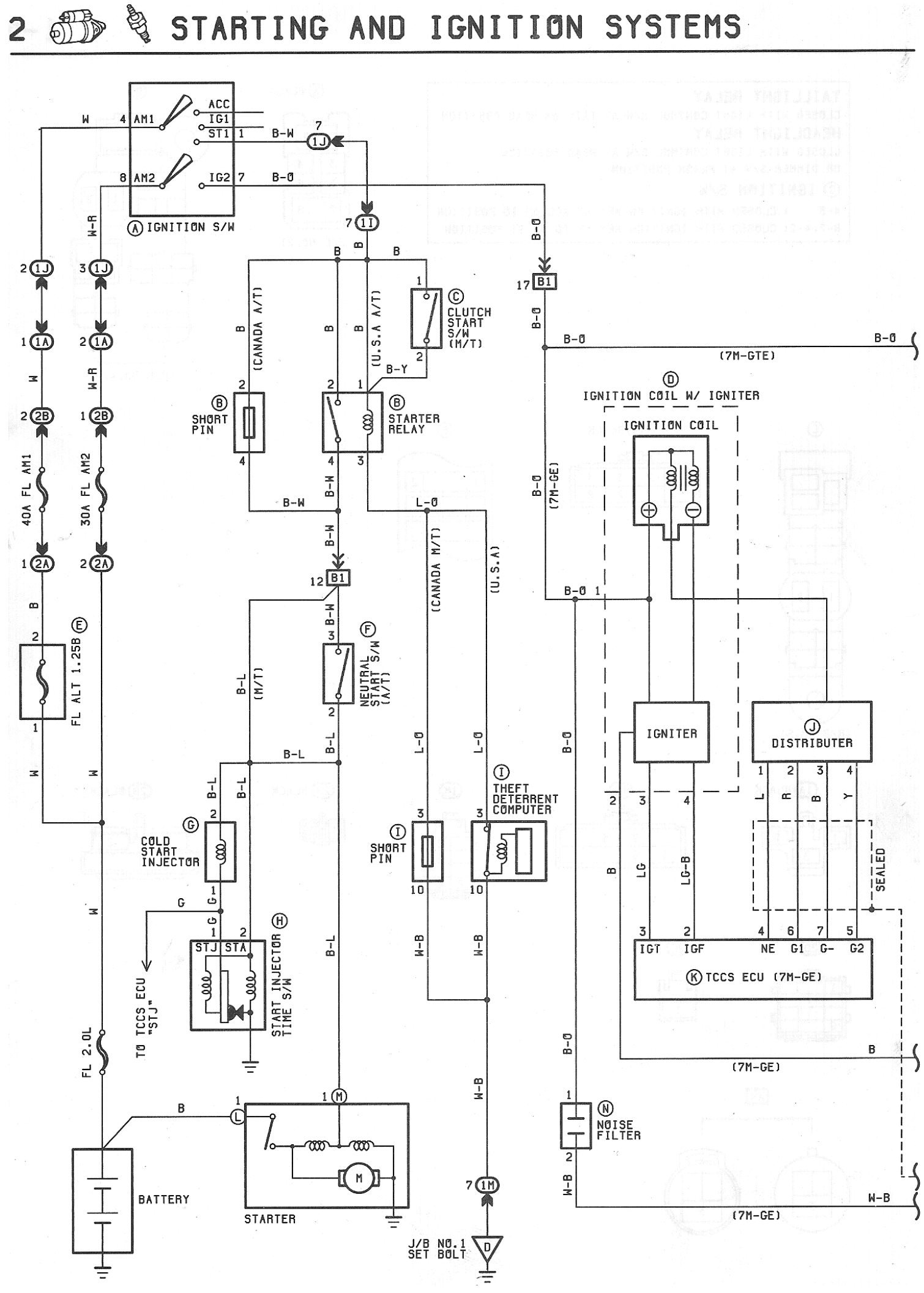


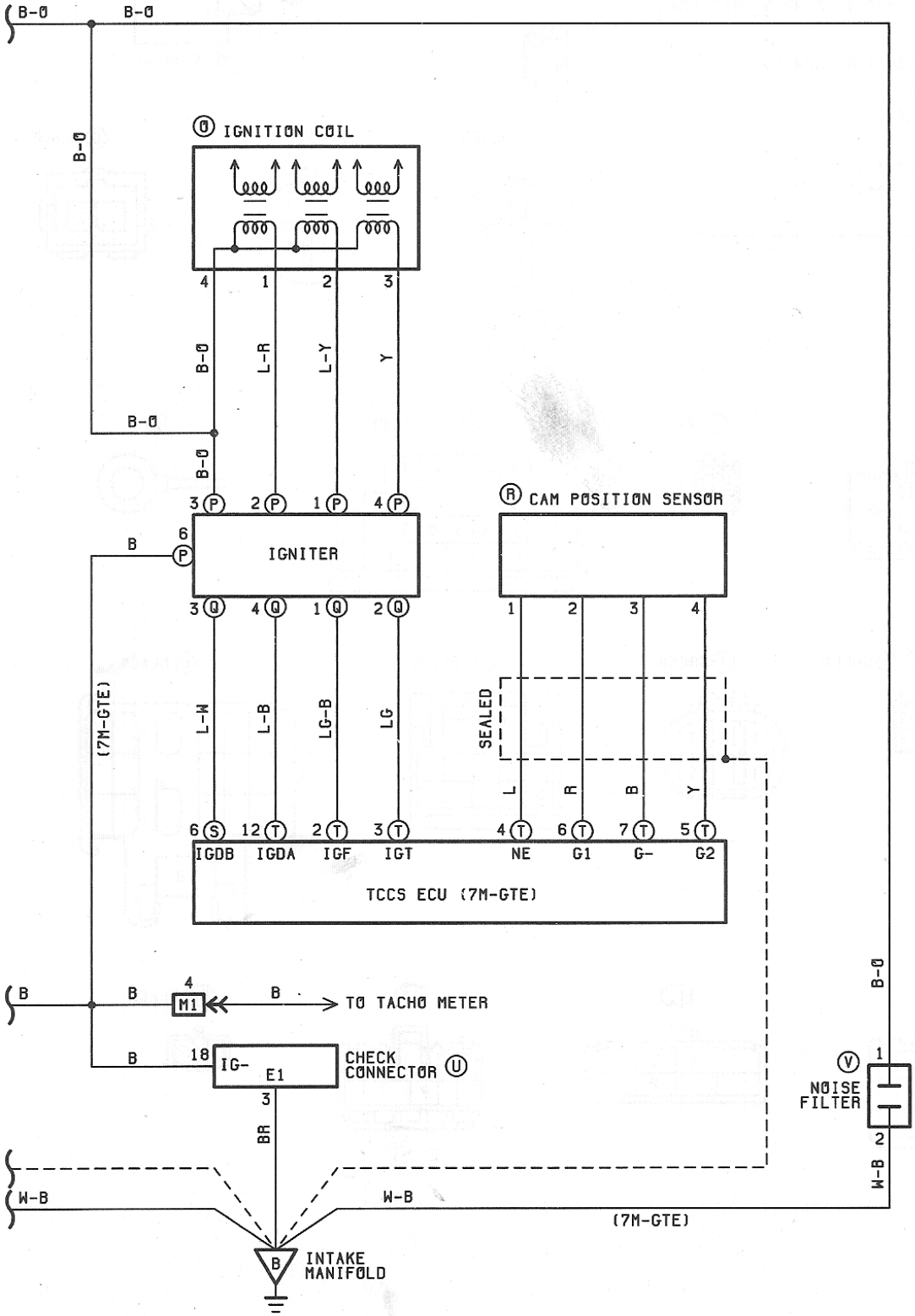









IGNITION S/W
ACC
IG1
ST1
AM1
AM2
IG2
CLUTCH START S/W (M/T)
SHORT PIN
STARTER RELAY
IGNITION COIL W/ IGNITER
IGNITION COIL
IGNITER
DISTRIBUTER
SEALED
40A FL AM1
30A FL AM2
FL ALT 1.25B
NEUTRAL START S/W (A/T)
COLD START INJECTOR
THEFT DETERRENT COMPUTER
START INJECTOR TIME S/W
TO TCCS ECU "STJ"
FL 2.0L
BATTERY
STARTER
NOISE FILTER
TCCS ECU (7M-GE)
J/B NO.1 SET BOLT
(CANADA A/T)
(U.S.A A/T)
(CANADA M/T)
(U.S.A)
(M/T)
(7M-GTE)
(7M-GE)


B-O
B-O
B-O
IGNITION COIL
4
1
2
3
B-O
L-R
L-Y
Y
B-O
B-O
3 P
2 P
1 P
4 P
B
6 P
IGNITER
3 Q
4 Q
1 Q
2 Q
CAM POSITION SENSOR
1
2
3
4
(7M-GTE)
L-W
L-B
LG-B
LG
SEALED
L
R
B
Y
6 S
12 T
2 T
3 T
4 T
6 T
7 T
5 T
IGDB
IGDA
IGF
IGT
NE
G1
G-
G2
TCCS ECU (7M-GTE)
B
B
4
M1
B
TO TACHO METER
B
18
IG-
E1
CHECK CONNECTOR U
3
BR
B-O
V
1
NOISE FILTER
2
W-B
W-B
W-B
(7M-GTE)
B
INTAKE MANIFOLD

Ⓐ IGNITION S/W

4-1: CLOSED WITH IGNITION S/W AT ST POSITION
8-7: CLOSED WITH IGNITION S/W AT IG OR ST POSITION

Ⓑ STARTER RELAY

2-4: CLOSED WITH CLUTCH START S/W ON AND IGNITION S/W AT ST POSITION

Ⓒ CLUTCH START S/W (M/T)

2-1: CLOSED WITH CLUTCH PEDAL FULLY DEPRESSED

STARTER

POINTS CLOSED WITH CLUTCH START S/W ON AND IGNITION S/W AT ST POSITION

Ⓕ NEUTRAL START S/W (A/T)

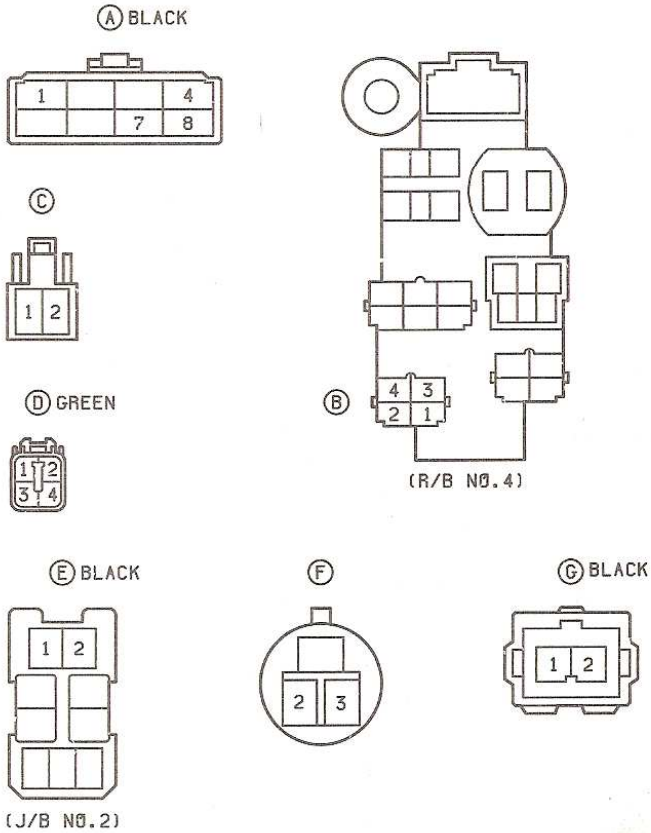
1-2,2-3: CLOSED WITH A/T SHIFT LEVER IN P OR N POSITION

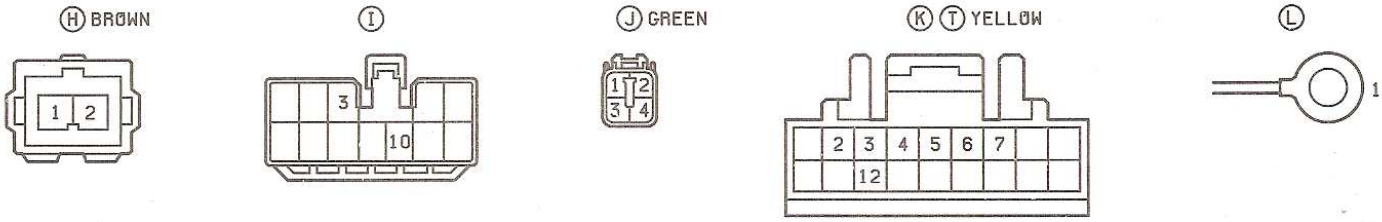
Ⓖ COLD START INJECTOR

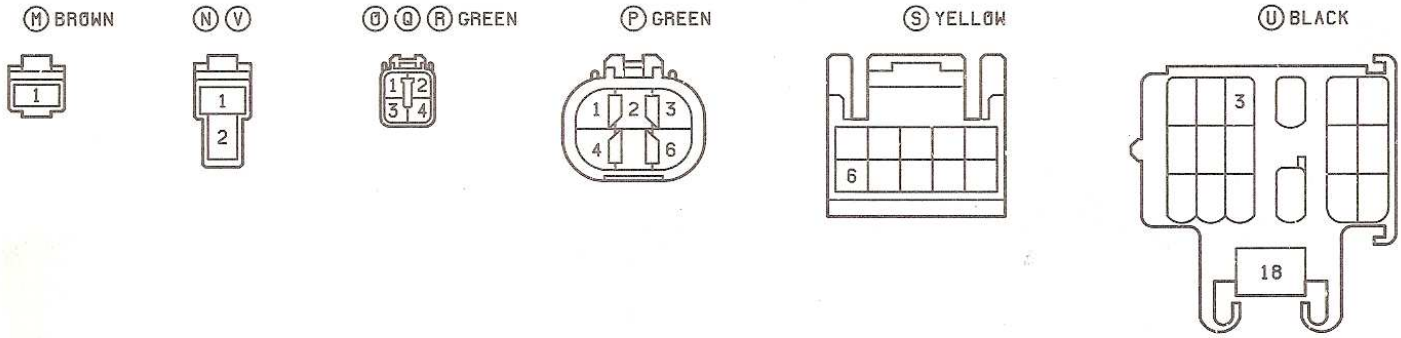
2-1: 12 VLOTS WHILE START INJECTOR TIME S/W IS CLOSED AND STARTER CRANKING

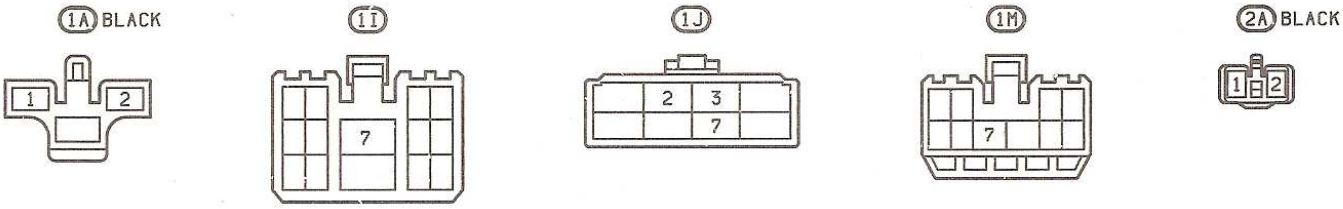
Ⓗ START INJECTOR TIME S/W

POINTS OPEN ABOVE 22°C (72°F)
2-1: APPROX. 30-50 Ω BELOW 22°C(72°F)
2-1: APPROX. 70-90 Ω ABOVE 22°C(72°F)
2-GROUND: APPROX. 30-90 Ω

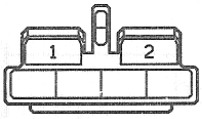








2B BLACK



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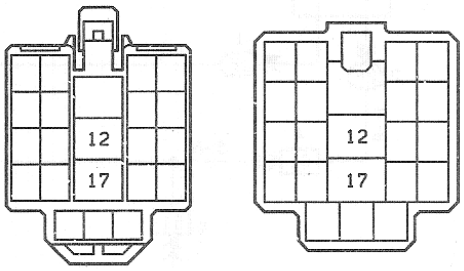

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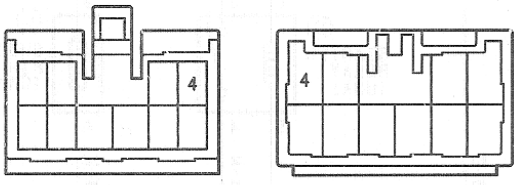
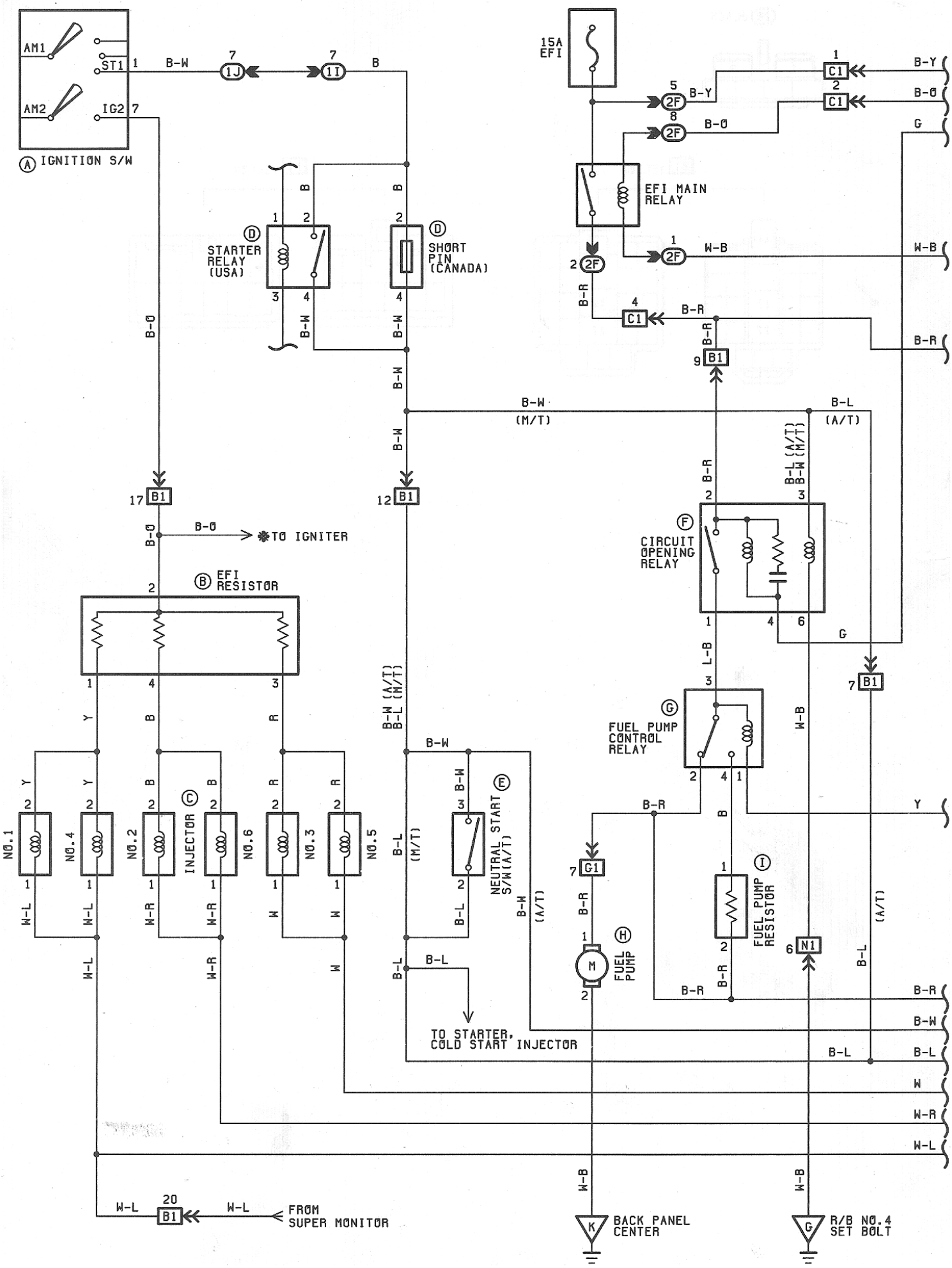
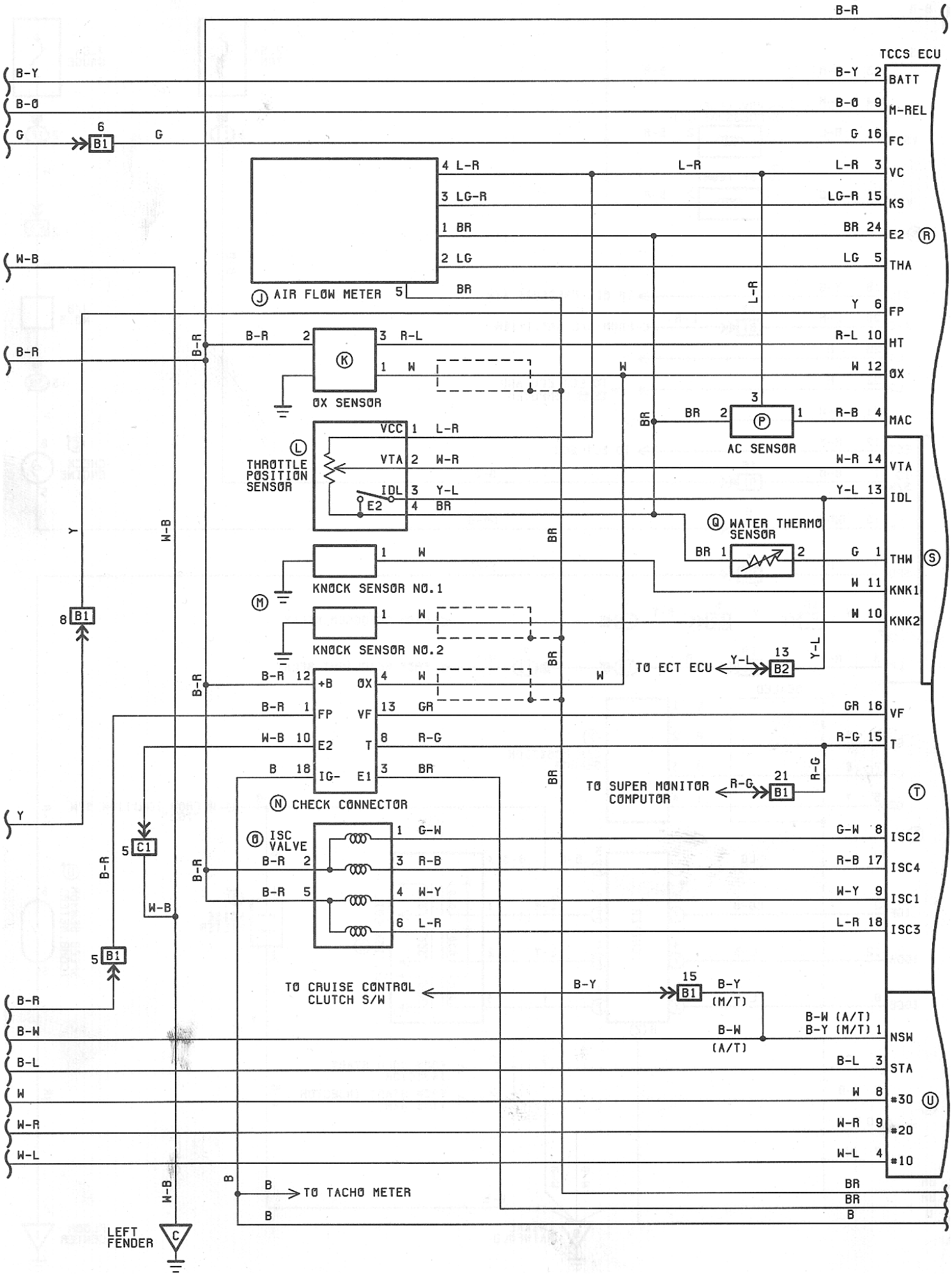
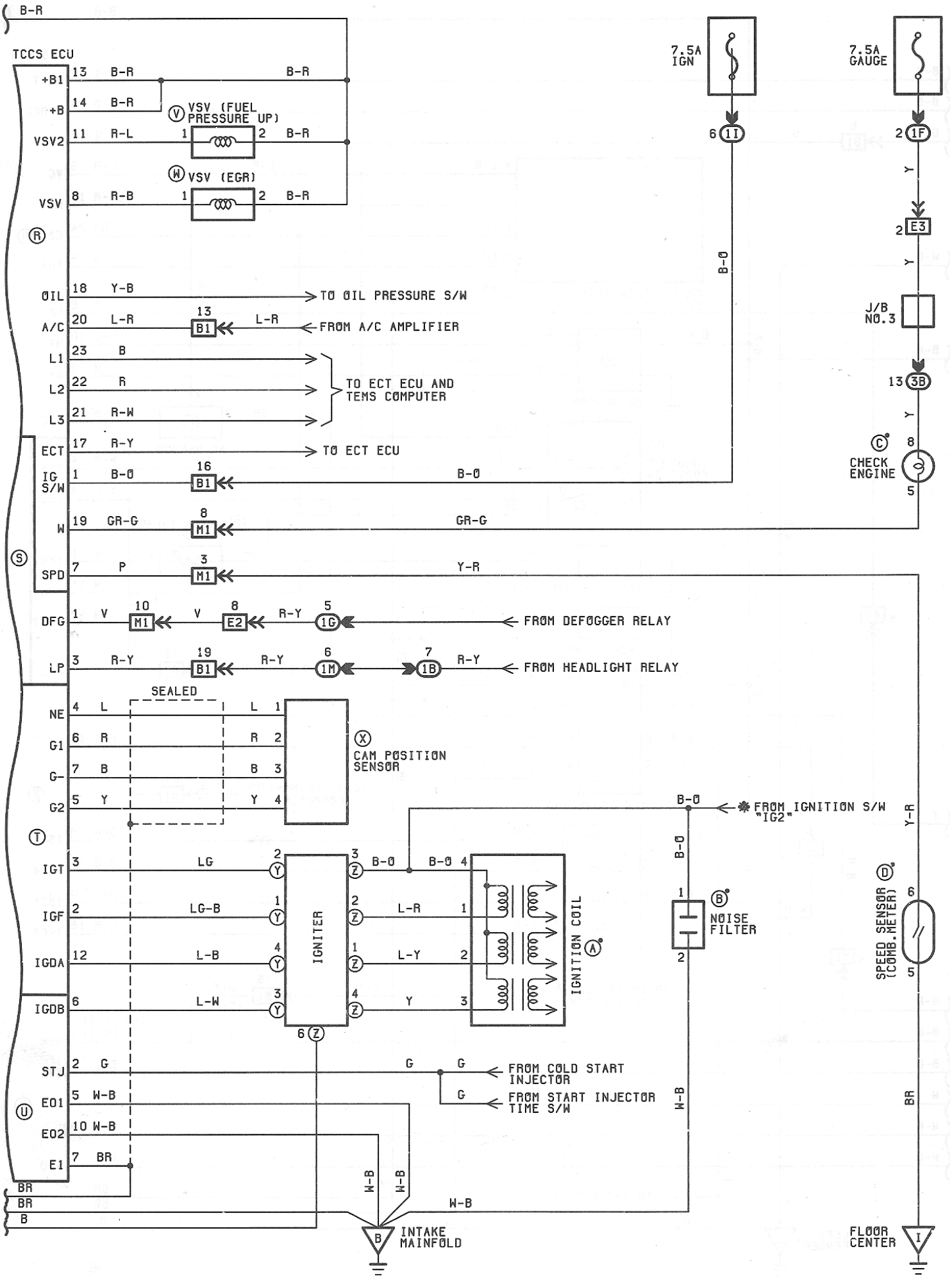


3-1 EFI SYSTEM (7M-GTE)




TCCS ECU
BATT
M-REL
FC
VC
KS
E2
THA
FP
HT
OX
MAC
VTA
IDL
THW
KNK1
KNK2
VF
T
ISC2
ISC4
ISC1
ISC3
NSW
STA
#30
#20
#10
AIR FLOW METER
OX SENSOR
AC SENSOR
THROTTLE POSITION SENSOR
WATER THERMO SENSOR
KNOCK SENSOR NO.1
KNOCK SENSOR NO.2
CHECK CONNECTOR
ISC VALVE
TO ECT ECU
TO SUPER MONITOR COMPUTOR
TO CRUISE CONTROL CLUTCH S/W
TO TACHO METER
LEFT FENDER

3-1 EFI SYSTEM(7M-GTE)



EFI MAIN RELAY
CLOSED WITH IGNITION S/W AT IG OR ST POSITION

Ⓑ EFI RESISTOR
1-2, 2-3, 2-4: EACH 2Ω

Ⓒ INJECTOR
1-2: EACH 1.5-3.0Ω

Ⓓ STARTER RELAY
2-4: CLOSED WITH CLUTCH PEDAL FULLY DEPRESSED
AND IGNITION S/W AT ST POSITION

Ⓕ CIRCUIT OPENING RELAY
1-2: CLOSED WITH STARTER RUNNING OR
MEASURING PLATE (AIR FLOW METER) OPEN

Ⓘ FUEL PUMP RESISTOR
1-2: APPROX. 0.7Ω

Ⓙ AIR FLOW METER
1-2: 10-20KΩ (-20°C, -4°F)
4-7KΩ (0°C, 32°F)
2-3KΩ (20°C, 68°F)
0.9-1.3KΩ (40°C, 104°F)
0.4-0.7KΩ (60°C, 140°F)

Ⓛ THROTTLE POSITION SENSOR
2-4: 0.3-6.3KΩ WITH CLEARANCE BETWEEN
LEVER AND STOP SCREW 0MM (0IN.)
3-4: LESS THAN 2.3KΩ WITH CLEARANCE BETWEEN
LEVER AND STOP SCREW 0.40MM (0.0157IN)
∞Ω WITH 0.75MM (0.0295IN)
2-4: 3.5-10.3KΩ WITH THROTTLE VALVE FULLY OPEN
1-4: 4.25-8.25KΩ

Ⓞ ISC VALVE
2-1, 3: EACH 10-30Ω
1-2, 4: EACH 10-30Ω

Ⓠ WATER THERMO SENSOR
1-2: APPROX. 6KΩ (0°C, 32°F)
APPROX. 1.5KΩ (40°C, 104°F)
APPROX. 0.5KΩ (80°C, 176°F)

TCCS ECU (ELECTRONIC CONTROLED UNIT)
VOLTAGE AT ECU CONNECTORS

Ⓡ 2-Ⓤ 7: 10-14 VOLTS

Ⓡ 13, Ⓡ 14-Ⓤ 7: 10-14 VOLTS (IGNITION S/W ON)

Ⓡ 1-Ⓤ 7: 10-14 VOLTS (IGNITION S/W ON)

Ⓡ 9-Ⓤ 7: 10-14 VOLTS (IGNITION S/W ON)

Ⓣ 13-Ⓡ 24: 4-6 VOLTS (IGNITION S/W ON,
THROTTLE VALVE OPEN)

Ⓣ 14-Ⓡ 24: 0.1-5 VOLTS (IGNITION S/W ON,
THROTTLE VALVE CLOSED TO OPEN)

Ⓣ 3-Ⓡ 24: 4-6 VOLTS (IGNITION S/W ON)

Ⓣ 4-Ⓡ 24: 4-5 VOLTS (IGNITION S/W ON,
MEASURING PLATE FULLY CLOSED)
0.02-0.08 VOLTS (IGNITION S/W ON,
MEASURING PLATE FULLY OPEN)
2.0-4.0 VOLTS (IDLING)
0.3-1.0 VOLTS (3000 RPM)

Ⓡ 5-Ⓡ 24: 1.0-3.0 VOLTS (IGNITION S/W ON,
INTAKE AIR TEMP. 20°C (68°F)

Ⓣ 1-Ⓡ 24: 0.1-1.0 VOLT (IGNITION S/W ON,
COOLANT TEMP. 80°C (176°F)

Ⓤ 3-Ⓤ 7: 6-14 VOLTS
(IGNITION S/W ST POSITION)

Ⓤ 4, Ⓤ 8, Ⓤ 9-Ⓤ 7: 9-14 VOLTS (IGNITION S/W ON)

Ⓣ 3-Ⓤ 7: 0.7-1.0 VOLTS (IDLING)

Ⓣ 8, Ⓣ 9, Ⓣ 17, Ⓣ 18-Ⓤ 7: 9-14 VOLTS (IGNITION S/W ON)
9-14 VOLTS
(2-3 SECONDS AFTER ENGINE OFF)

Ⓣ 1-Ⓣ 7: 0 VOLT WITH IGNITION S/W ON,
SHIFT POSITION P OR N RANGE
10-14 VOLTS WITH IGNITION S/W ON,
SHIFT POSITION EXCEPT P OR N RANGE
0 VOLT WITH IGNITION S/W ON,
CLUTCH PEDAL NOT DEPRESSED
10-14 VOLTS WITH IGNITION S/W ON,
CLUCH PEDAL DEPRESSED
9-11 VOLTS WITH CRANKING

Ⓡ 15-Ⓣ 7: 4-6 VOLTS WITH IGNITION S/W ON,
CHECK CONNECTOR T-E1 NOT SHORT
0 VOLT WITH IGNITION S/W ON,
CHECK CONNECTOR T-E1 SHORT

Ⓡ 20-Ⓤ 7: 10-14 VOLTS WITH IGNITION S/W ON
A/C S/W ON
0 VOLT WITH IGNITION S/W ON
A/C S/W OFF

Ⓣ 16-Ⓤ 7: 0↔5 VOLTS WITH ENGINE START
(THROTTLE VALVE OPEN)

Ⓡ 19-Ⓤ 7: 0 VOLT WITH IGNITION S/W ON
: 10-13 VOLTS WITH ENGINE START

Ⓡ 18-Ⓤ 7: 10-14 VOLTS WITH IGNITION S/W ON
DEFOGGER S/W OFF
0 VOLT WITH IGNITION S/W ON
DEFOGGER S/W ON

Ⓡ 16-Ⓤ 7: 10-14 VOLTS WITH HEADLIGHT S/W OFF
0 VOLT WITH HEADLIGHT S/W ON

RESISTANCE AT ECU CONNECTOR
(DISCONNECT WIRING CONNECTOR FROM ECU)

Ⓣ 13-Ⓡ 24: ∞Ω (THROTTLE VALVE FULLY OPEN)
LESS THAN 2.3KΩ (THROTTLE VALVE FULLY CLOSED)

Ⓣ 14-Ⓡ 24: 3500-10300Ω (THROTTLE VALVE FULLY OPEN)
300-6300Ω (THROTTLE VALVE FULLY CLOSED)

Ⓡ 3-Ⓡ 24: 200-400Ω

Ⓡ 4-Ⓡ 24: 20-600Ω (MEASURING PLATE FULLY CLOSED)
20-3000Ω (MEASURING PLATE FULLY OPEN)

Ⓡ 5-Ⓡ 24: 2000-3000Ω (INTAKE AIR TEMP. 20°C, 68°F)

Ⓣ 5, Ⓣ 6, Ⓣ 4-Ⓣ 7: 140-180Ω

Ⓣ 8, Ⓣ 9, Ⓣ 17, Ⓣ 18-Ⓡ 14: 10-30Ω

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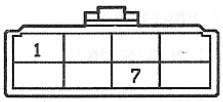

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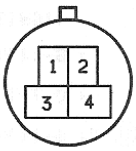

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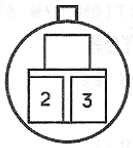

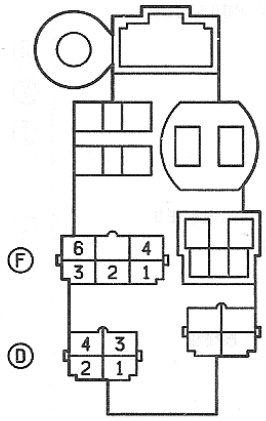

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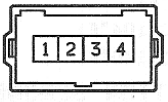
Ⓚ YELLOW

Ⓛ BLACK



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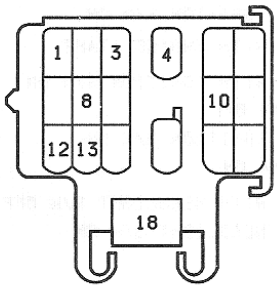

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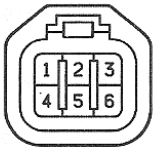

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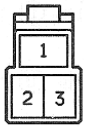

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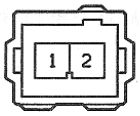

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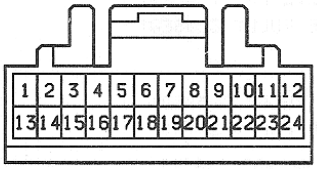

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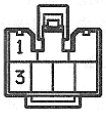

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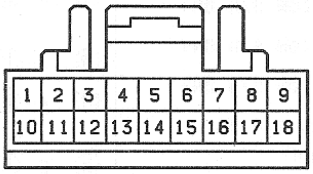

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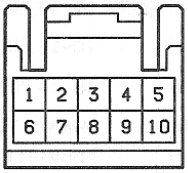
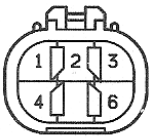


Ⓥ Ⓦ BROWN

Ⓧ Ⓨ Ⓐ GREEN

Ⓩ GREEN



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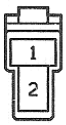

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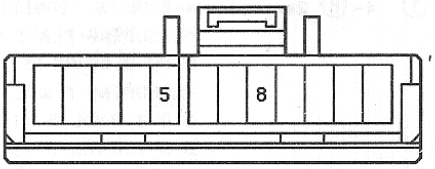

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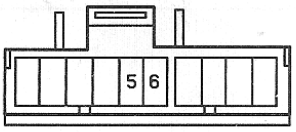

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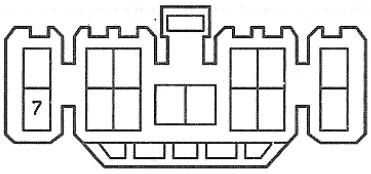

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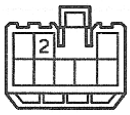

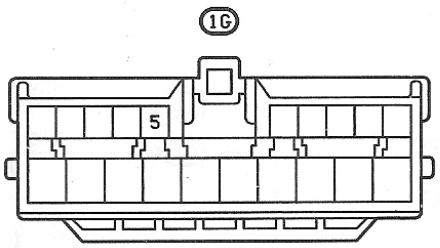
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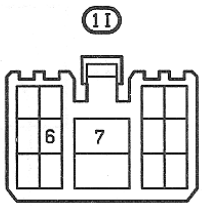
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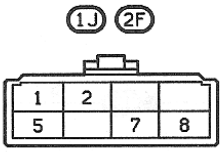
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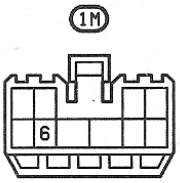
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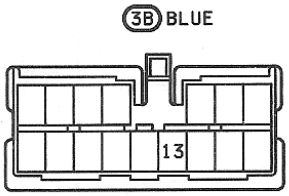
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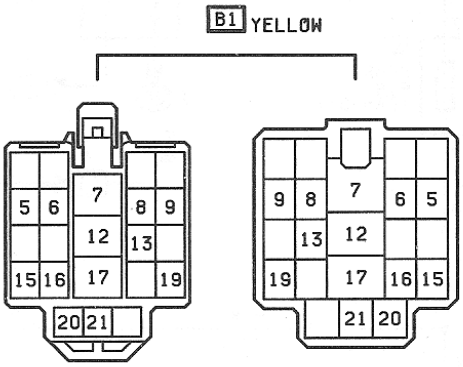
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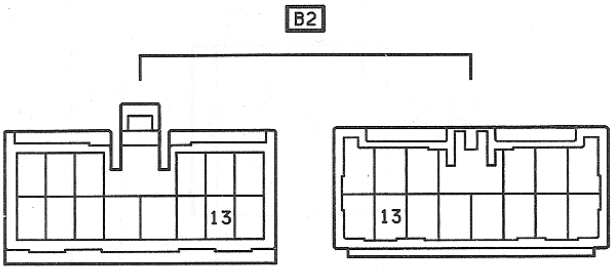
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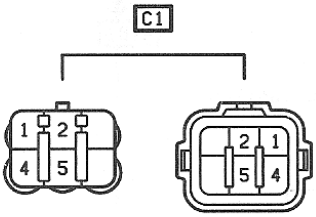
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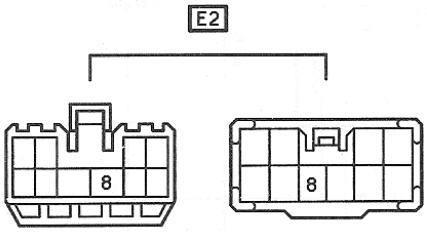
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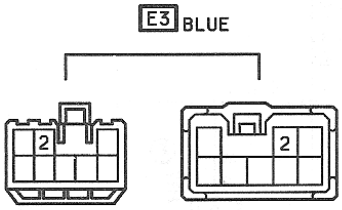
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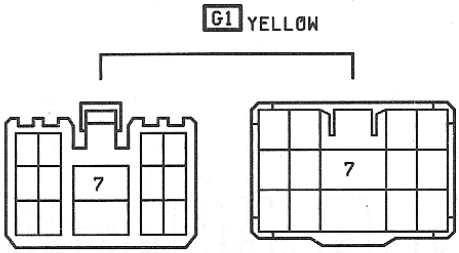
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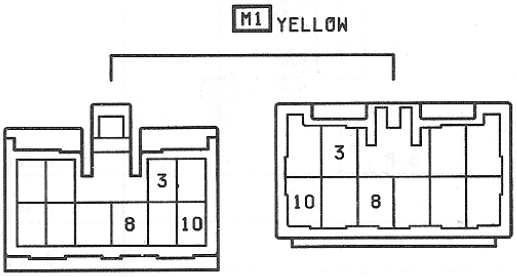
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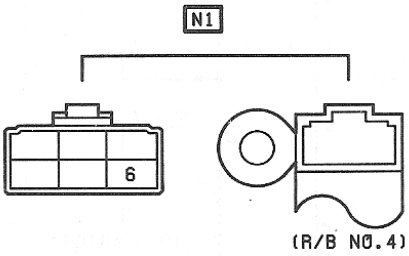
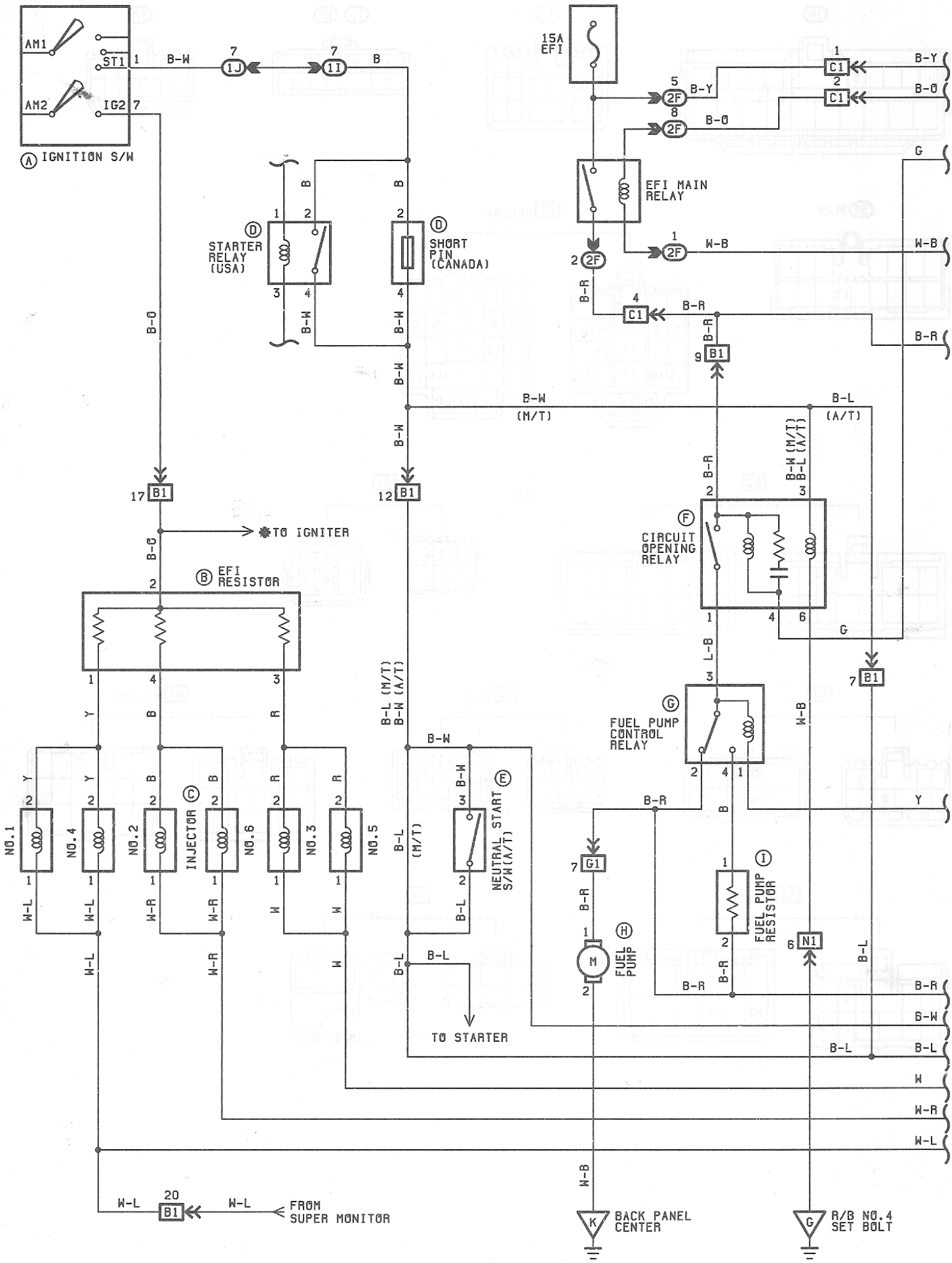
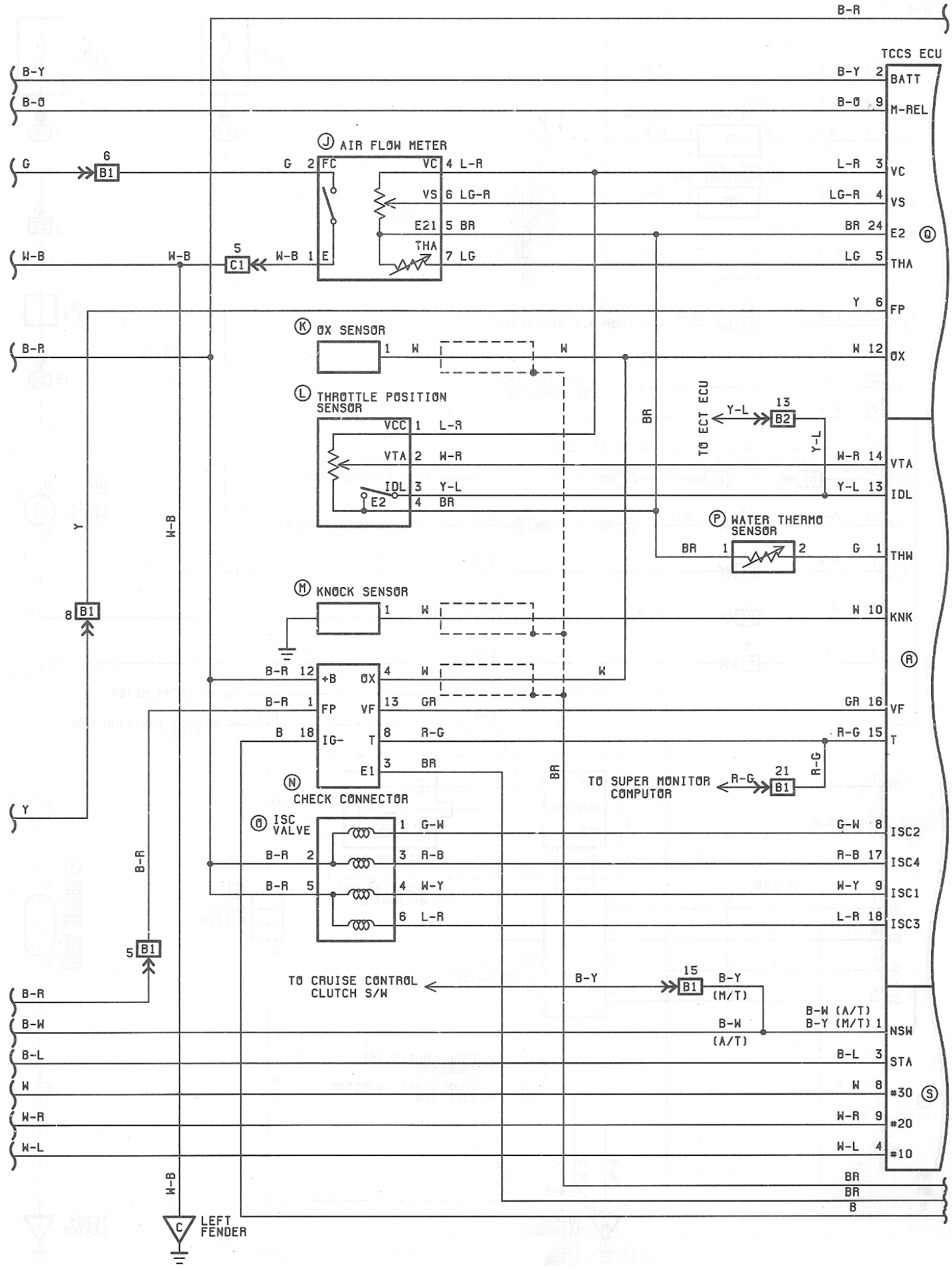

N1
6
(R/B NO.4)

EFI SYSTEM (7M-GE)




TCCS ECU
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THROTTLE POSITION SENSOR
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TO ECT ECU
WATER THERMO SENSOR
KNOCK SENSOR
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IG-
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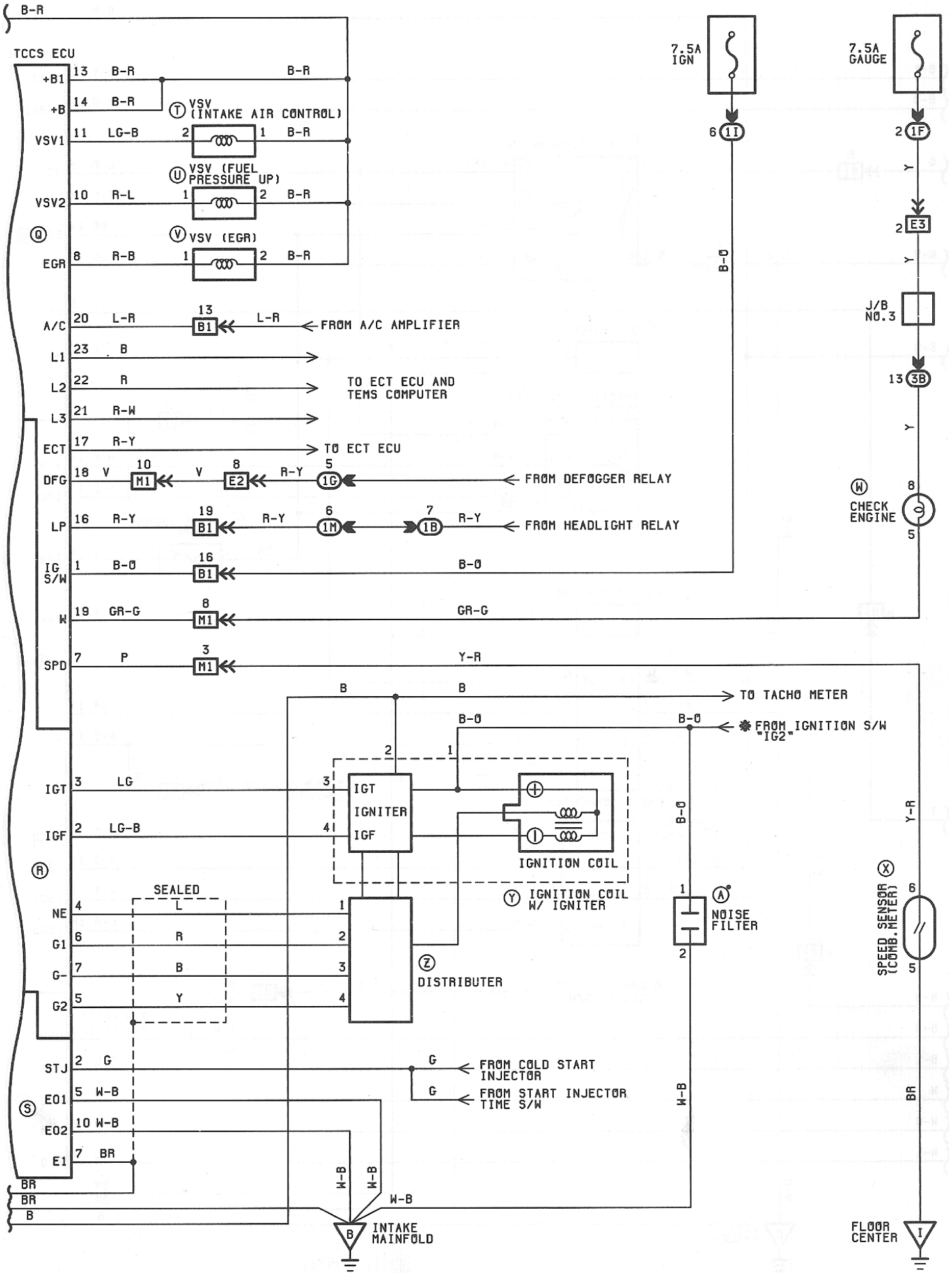
VF
T
E1
CHECK CONNECTOR
ISC VALVE
TO SUPER MONITOR COMPUTOR
TO CRUISE CONTROL CLUTCH S/W
(M/T)
(A/T)
B-W (A/T)
B-Y (M/T)
LEFT FENDER

EFI SYSTEM(7M-GE)



EFI MAIN RELAY
CLOSED WITH IGNITION S/W AT IG OR ST POSITION

Ⓑ EFI RESISTOR
1-2, 2-3, 2-4: EACH 2Ω

Ⓒ INJECTOR
1-2: EACH 1.5-3.0Ω

Ⓓ STARTER RELAY
2-4: CLOSED WITH CLUTCH PEDAL FULLY DEPRESSED
AND IGNITION S/W AT ST POSITION

Ⓕ CIRCUIT OPENING RELAY
1-2: CLOSED WITH STARTER RUNNING OR
MEASURING PLATE (AIR FLOW METER) OPEN

Ⓘ FUEL PUMP RESISTOR
1-2: APPROX. 0.7Ω

Ⓙ AIR FLOW METER
1-2: CLOSED WITH STARTER RUNNING OR
MEASURING PLATE OPEN
5-6: 20-400Ω
5-4: 200-400Ω
10-20KΩ (-20°C, -4°F)
4-7KΩ (0°C, 32°F)
2-3KΩ (20°C, 68°F)
0.9-1.3KΩ (40°C. 104°F)
0.4-0.7KΩ (60°C. 140°F)

Ⓛ THROTTLE POSITION SENSOR
2-4: 0.3-6.3KΩ WITH CLEARANCE BETWEEN
LEVER AND STOP SCREW 0MM (0IN.)
3-4: LESS THAN 2.3KΩ WITH CLEARANCE BETWEEN
LEVER AND STOP SCREW 0.40MM (0.0157IN)
∞Ω WITH 0.75MM (0.0295IN)
2-4: 3.5-10.3KΩ WITH THROTTLE VALVE FULLY OPEN
1-4: 4.25-8.25KΩ

Ⓞ ISC VALVE
2-1, 3: EACH 10-30Ω
1-2, 4: EACH 10-30Ω

Ⓟ WATER THERMO SENSOR
1-2: APPROX. 6KΩ (0°C, 32°F)
APPROX. 1.5KΩ (40°C, 104°F)
APPROX. 0.5KΩ (80°C, 176°F)

TCCS ECU (ELECTRONIC CONTROLED UNIT)
VOLTAGE AT ECU CONNECTORS

Ⓠ 2-Ⓢ 7: 10-14 VOLTS

Ⓠ 13, Ⓠ 14-Ⓢ 7: 10-14 VOLTS (IGNITION S/W ON)

Ⓠ 1-Ⓢ 7: 10-14 VOLTS (IGNITION S/W ON)

Ⓠ 9-Ⓢ 7: 10-14 VOLTS (IGNITION S/W ON)

Ⓡ 13-Ⓠ 24: 4-6 VOLTS (IGNITION S/W ON,
THROTTLE VALVE OPEN)

Ⓡ 14-Ⓠ 24: 0.1-5 VOLTS (IGNITION S/W ON,
THROTTLE VALVE CLOSED TO OPEN)

Ⓡ 3-Ⓠ 24: 4-6 VOLTS (IGNITION S/W ON)

Ⓡ 4-Ⓠ 24: 4-5 VOLTS (IGNITION S/W ON,
MEASURING PLATE FULLY CLOSED)
0.02-0.08 VOLTS (IGNITION S/W ON,
MEASURING PLATE FULLY OPEN)
2.0-4.0 VOLTS (IDLING)
0.3-1.0 VOLTS (3000 RPM)

Ⓠ 5-Ⓠ 24: 1.0-3.0 VOLTS (IGNITION S/W ON,
INTAKE AIR TEMP. 20°C (68°F)

Ⓡ 1-Ⓠ 24: 0.1-1.0 VOLT (IGNITION S/W ON,
COOLANT TEMP. 80°C (176°F)

Ⓢ 3-Ⓢ 7: 6-14 VOLTS
(IGNITION S/W ST POSITION)

Ⓢ 4, Ⓢ 8, Ⓢ 9-Ⓢ 7: 9-14 VOLTS (IGNITION S/W ON)

Ⓡ 3-Ⓢ 7: 0.7-1.0 VOLTS (IDLING)

Ⓡ 8, Ⓡ 9, Ⓡ 17, Ⓡ 18-Ⓢ 7: 9-14 VOLTS (IGNITION S/W ON)
9-14 VOLTS
(2-3 SECONDS AFTER ENGINE OFF)

Ⓡ 1-Ⓡ 7: 0 VOLT WITH IGNITION S/W ON,
SHIFT POSITION P OR N RANGE
10-14 VOLTS WITH IGNITION S/W ON,
SHIFT POSITION EXCEPT P OR N RANGE
0 VOLT WITH IGNITION S/W ON,
CLUTCH PEDAL NOT DEPRESSED
10-14 VOLTS WITH IGNITION S/W ON,
CLUCH PEDAL DEPRESSED
9-11 VOLTS WITH CRANKING

Ⓠ 15-Ⓡ 7: 4-6 VOLTS WITH IGNITION S/W ON,
CHECK CONNECTOR T-E1 NOT SHORT
0 VOLT WITH IGNITION S/W ON,
CHECK CONNECTOR T-E1 SHORT

Ⓠ 20-Ⓢ 7: 10-14 VOLTS WITH IGNITION S/W ON
A/C S/W ON
0 VOLT WITH IGNITION S/W ON
A/C S/W ON

Ⓡ 16-Ⓢ 7: 0↔5 VOLTS WITH ENGINE START
(THROTTLE VALVE OPEN)

Ⓠ 19-Ⓢ 7: 0 VOLT WITH IGNITION S/W ON
: 10-13 VOLTS WITH ENGINE START

Ⓠ 18-Ⓢ 7: 10-14 VOLTS WITH IGNITION S/W ON
DEFOGGER S/W OFF
0 VOLT WITH IGNITION S/W ON
DEFOGGER S/W ON

Ⓠ 16-Ⓢ 7: 10-14 VOLTS WITH HEADLIGHT S/W OFF
0 VOLT WITH HEADLIGHT S/W ON

RESISTANCE AT ECU CONNECTOR
(DISCONNECT WIRING CONNECTOR FROM ECU)

Ⓡ 13-Ⓠ 24: ∞Ω (THROTTLE VALVE FULLY OPEN)
LESS THAN 2.3KΩ (THROTTLE VALVE FULLY CLOSED)

Ⓡ 14-Ⓠ 24: 3500-10300Ω (THROTTLE VALVE FULLY OPEN)
300-6300Ω (THROTTLE VALVE FULLY CLOSED)

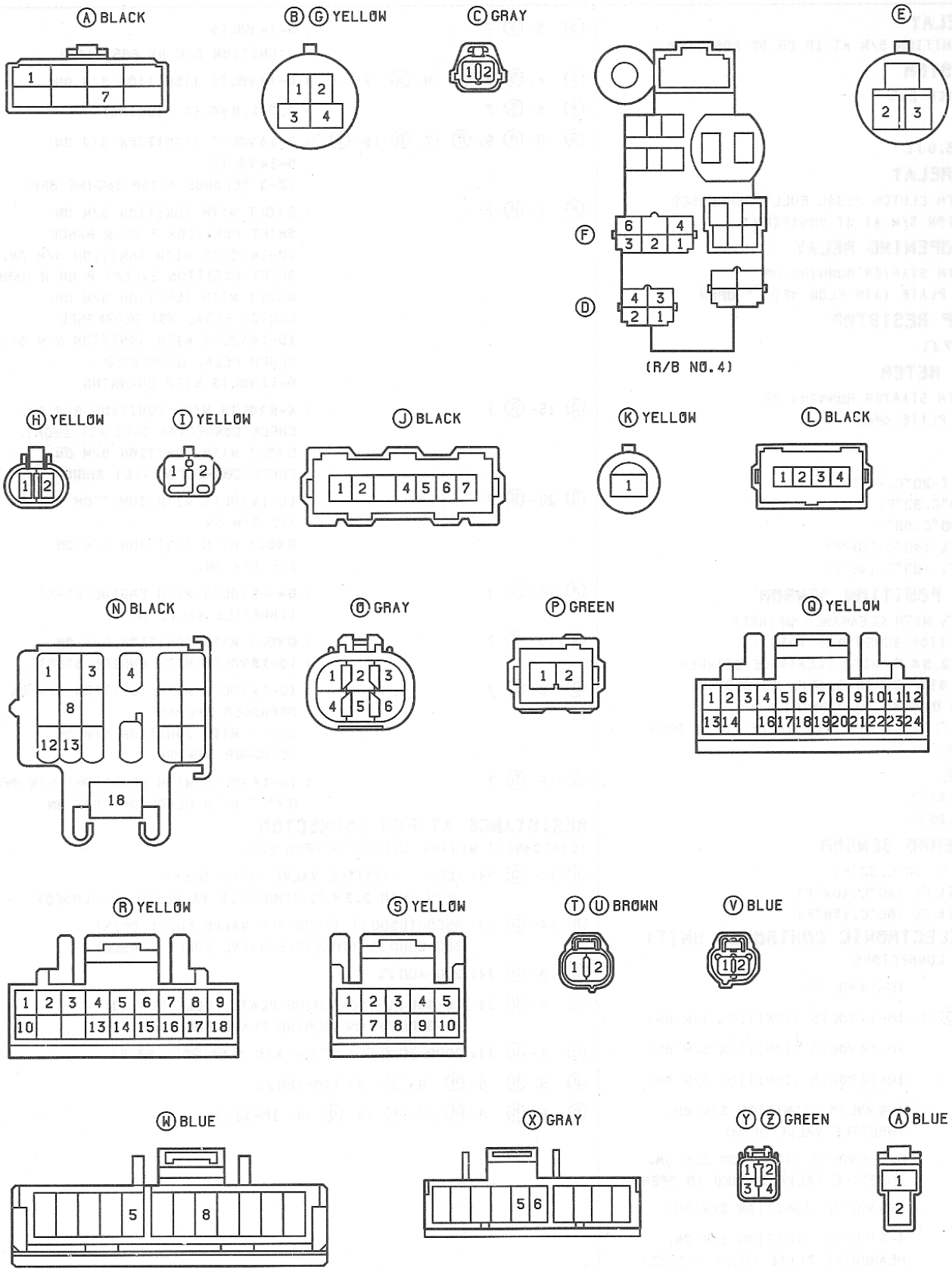
Ⓠ 3-Ⓠ 24: 200-400Ω

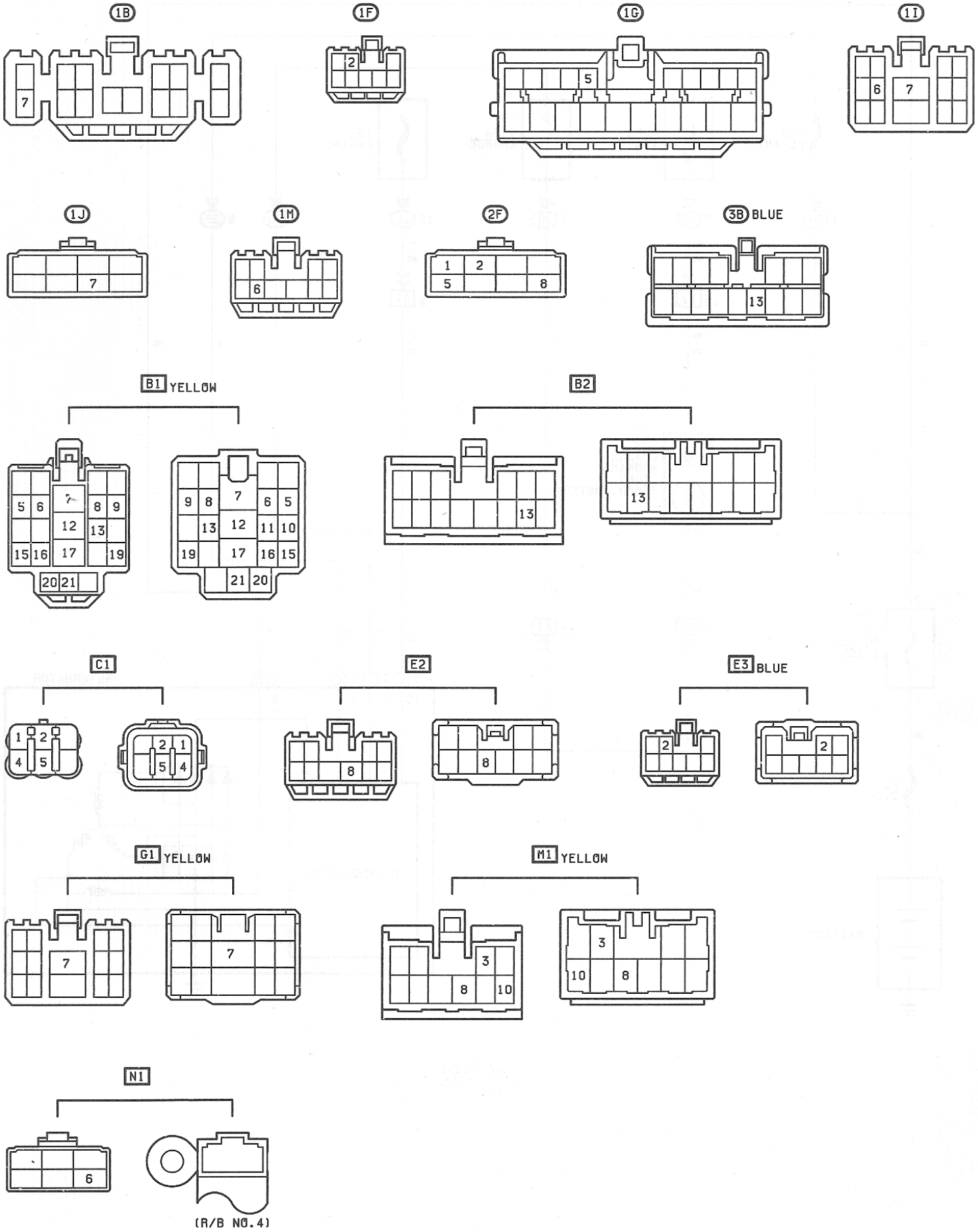
Ⓠ 4-Ⓠ 24: 20-600Ω (MEASURING PLATE FULLY CLOSED)
20-3000Ω (MEASURING PLATE FULLY OPEN)

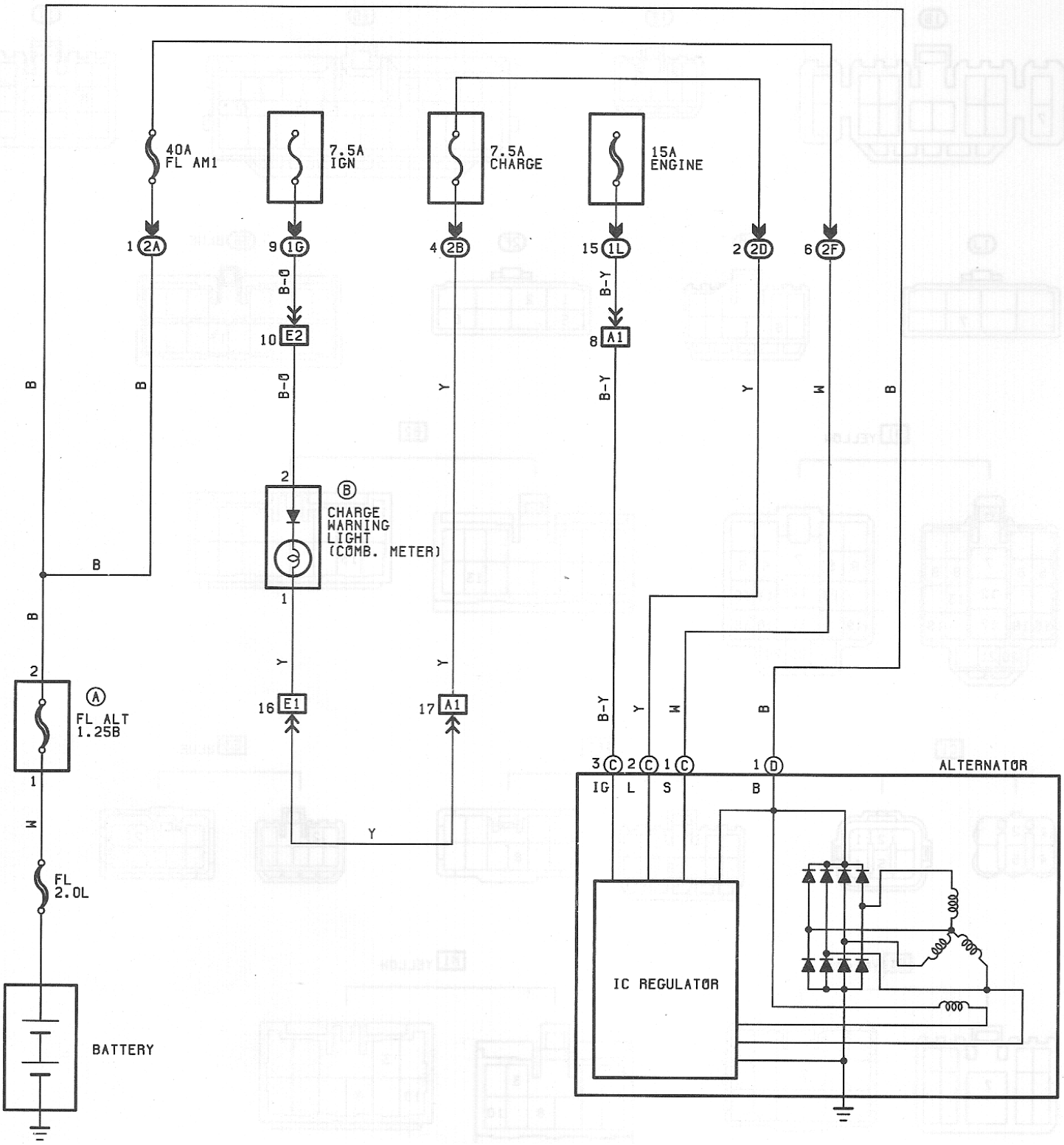
Ⓠ 5-Ⓠ 24: 2000-3000Ω (INTAKE AIR TEMP. 20°C, 68°F)

Ⓡ 5, Ⓡ 6, Ⓡ 4-Ⓡ 7: 140-180Ω

Ⓡ 8, Ⓡ 9, Ⓡ 17, Ⓡ 18-Ⓠ 14: 10-30Ω


Ⓐ BLACK
Ⓑ Ⓖ YELLOW
Ⓒ GRAY
Ⓔ
Ⓕ
Ⓓ
(R/B NO.4)
Ⓗ YELLOW
Ⓘ YELLOW
Ⓙ BLACK
Ⓚ YELLOW
Ⓛ BLACK
Ⓜ GREEN
Ⓝ BLACK
Ⓞ GRAY
Ⓟ GREEN
Ⓠ YELLOW
Ⓡ YELLOW
Ⓢ YELLOW
Ⓣ Ⓤ BROWN
Ⓥ BLUE
Ⓦ BLUE
Ⓧ GRAY
Ⓨ Ⓩ GREEN
Ⓐ BLUE

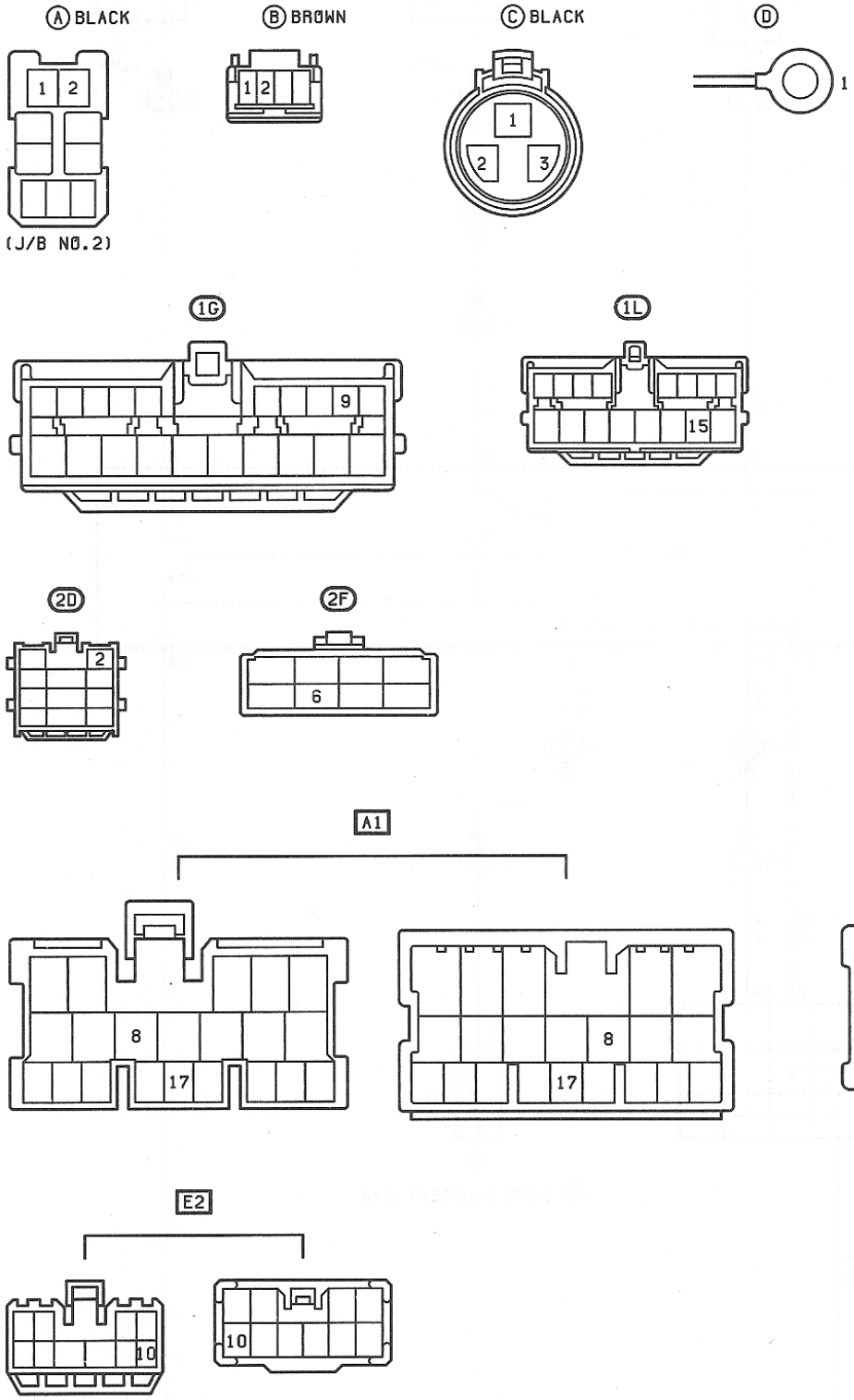

1B
7
1F
2
1G
5
1I
6
7
1J
7
1M
6
2F
1
2
5
8
3B BLUE
13
B1 YELLOW
5 6 7 8 9
12 13
15 16 17 19
20 21
9 8 7 6 5
13 12 11 10
19 17 16 15
21 20
B2
13
13
C1
1 2
4 5
2 1
5 4
E2
8
8
E3 BLUE
2
2
G1 YELLOW
7
7
M1 YELLOW
3
8 10
3
10 8
N1
6
(R/B NO.4)


40A
FL AM1
7.5A
IGN
7.5A
CHARGE
15A
ENGINE
1 2A
9 1G
4 2B
15 1L
2 2D
6 2F
B-O
B-Y
10 E2
8 A1
B
B
B-O
Y
B-Y
Y
W
B
2
B
CHARGE
WARNING
LIGHT
(COMB. METER)
1
B
B
2
FL ALT
1.25B
1
Y
Y
16 E1
17 A1
B-Y
Y
W
B
3 C 2 C 1 C
1 D
ALTERNATOR
IG
L
S
B
W
Y
FL
2.0L
IC REGULATOR
BATTERY

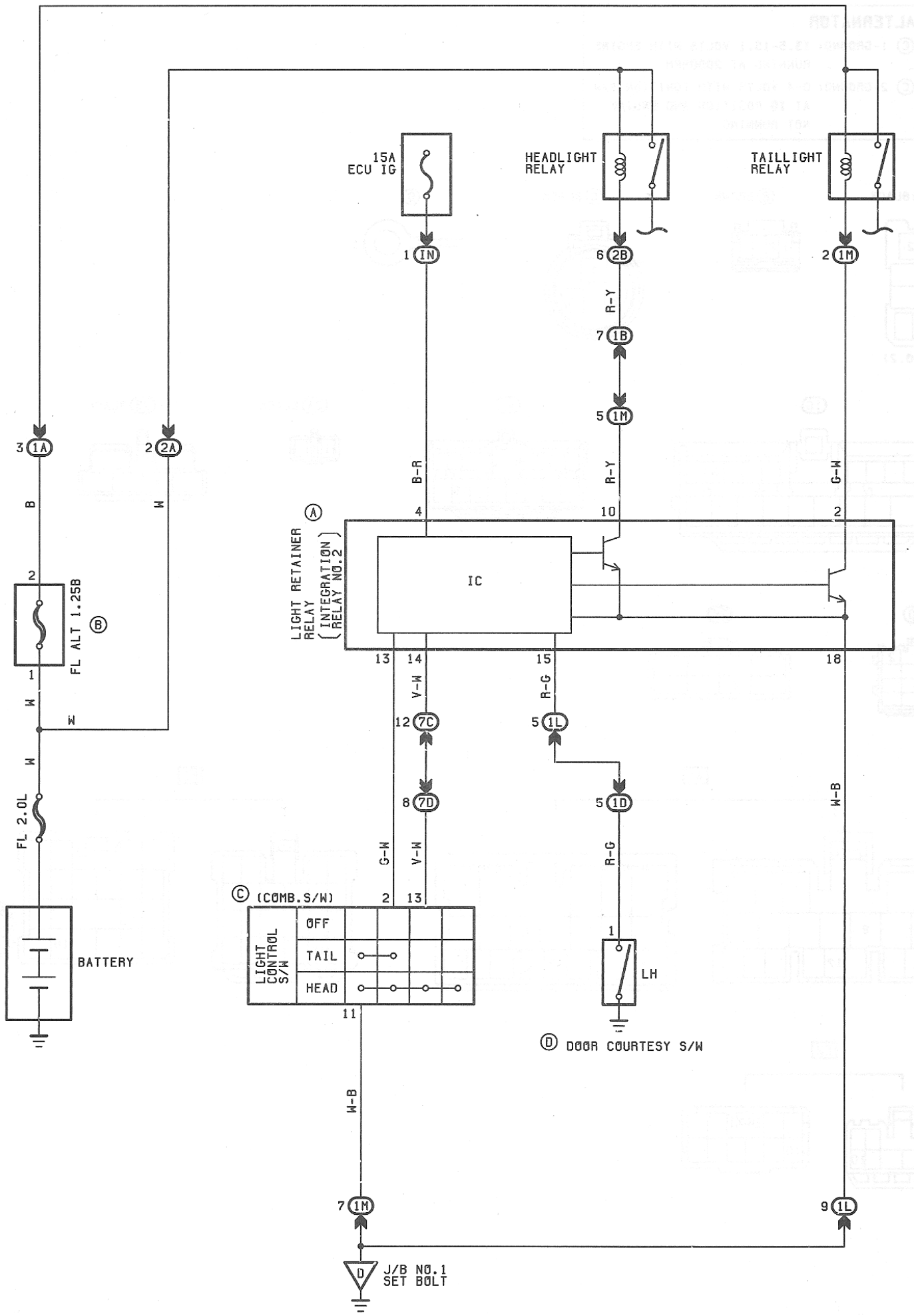
ALTERNATOR

Ⓒ 1-GROUND: 13.5-15.1 VOLTS WITH ENGINE RUNNING AT 2000RPM

Ⓒ 2-GROUND: 0-4 VOLTS WITH IGNITION S/W AT IG POSITION AND ENGINE NOT RUNNING



5 LIGHT AUTO TURN OFF SYSTEM



Ⓐ INTEGRATION RELAY NO.2

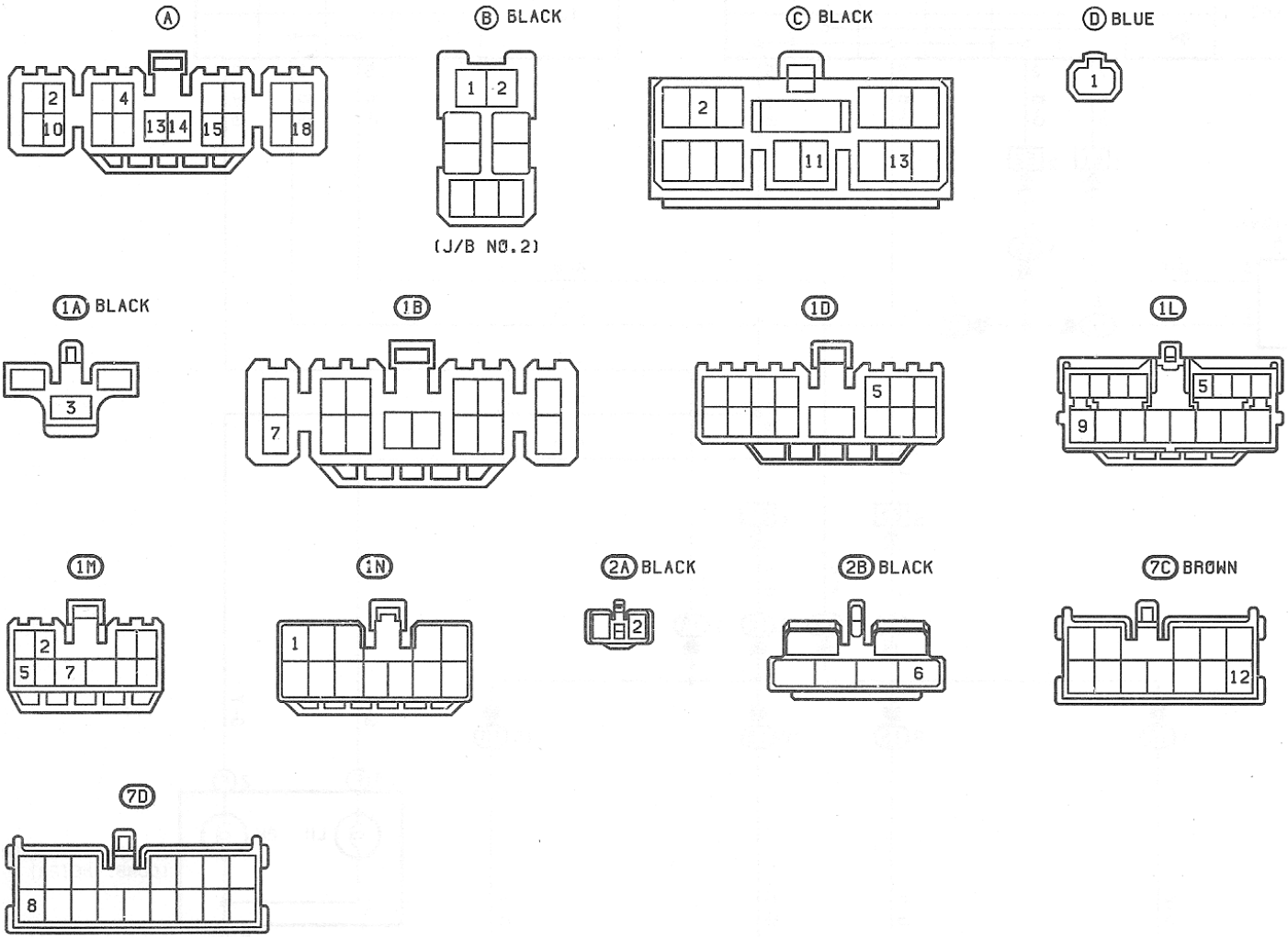
2-GROUND,10-GROUND: APPROX. 12 VOLTS WITH LIGHT CONTROL S/W OFF (HEADLIGHT,TAILLIGHT OFF)

10-GROUND : 0 VOLT WITH LIGHT CONTROL S/W A/T **HEAD** POSITION(TAILLIGHTS ON) (HEADLIGHTS ON)

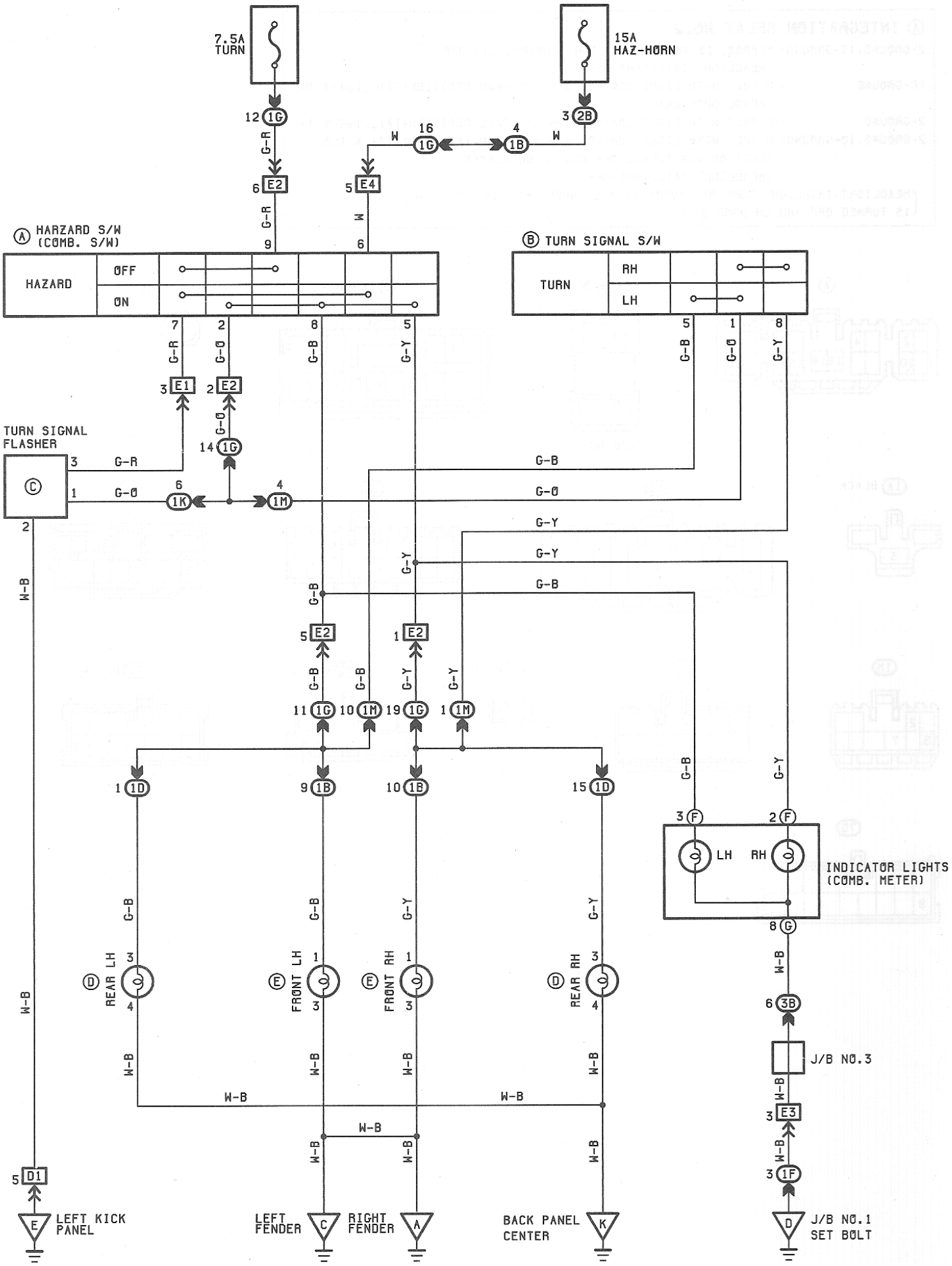
2-GROUND : 0 VOLT WITH LIGHT CONTROL S/W A/T **TAIL** POSITION(TAILLIGHTS ON)

2-GROUND,10-GROUND: 0 VOLT WITH LIGHT CONTROL S/W A/T **HEAD,TAIL** POSITION AFTER IGNITION S/W TURNED OFF AND LH DOOR OPEN (HEADLIGHT,TAILLIGHT OFF)

(HEADLIGHT,TAILLIGHT TURN OFF AUTOMATICALLY WHEN THE IGNITION S/W IS TURNED OFF AND LH DOOR OPEN)

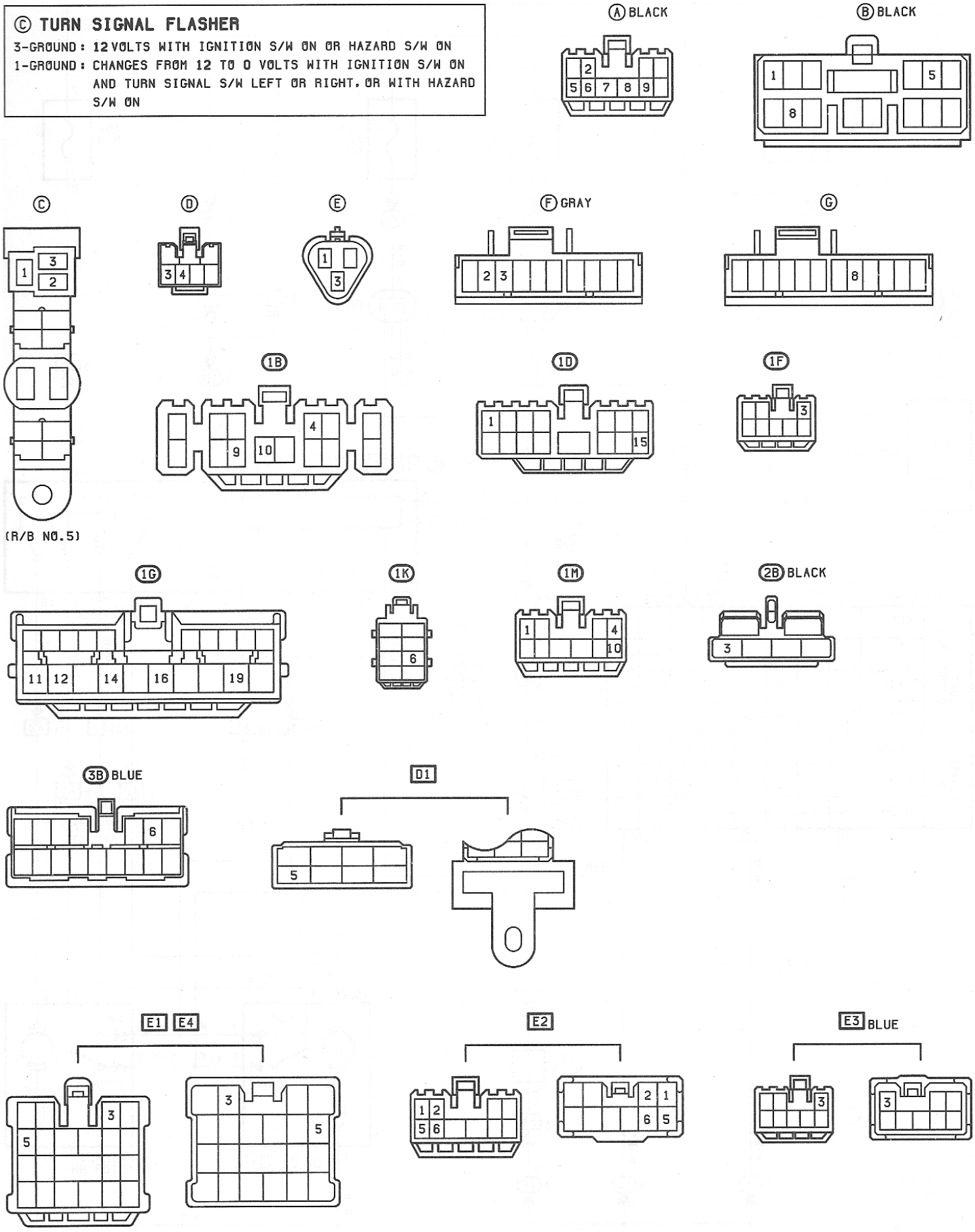


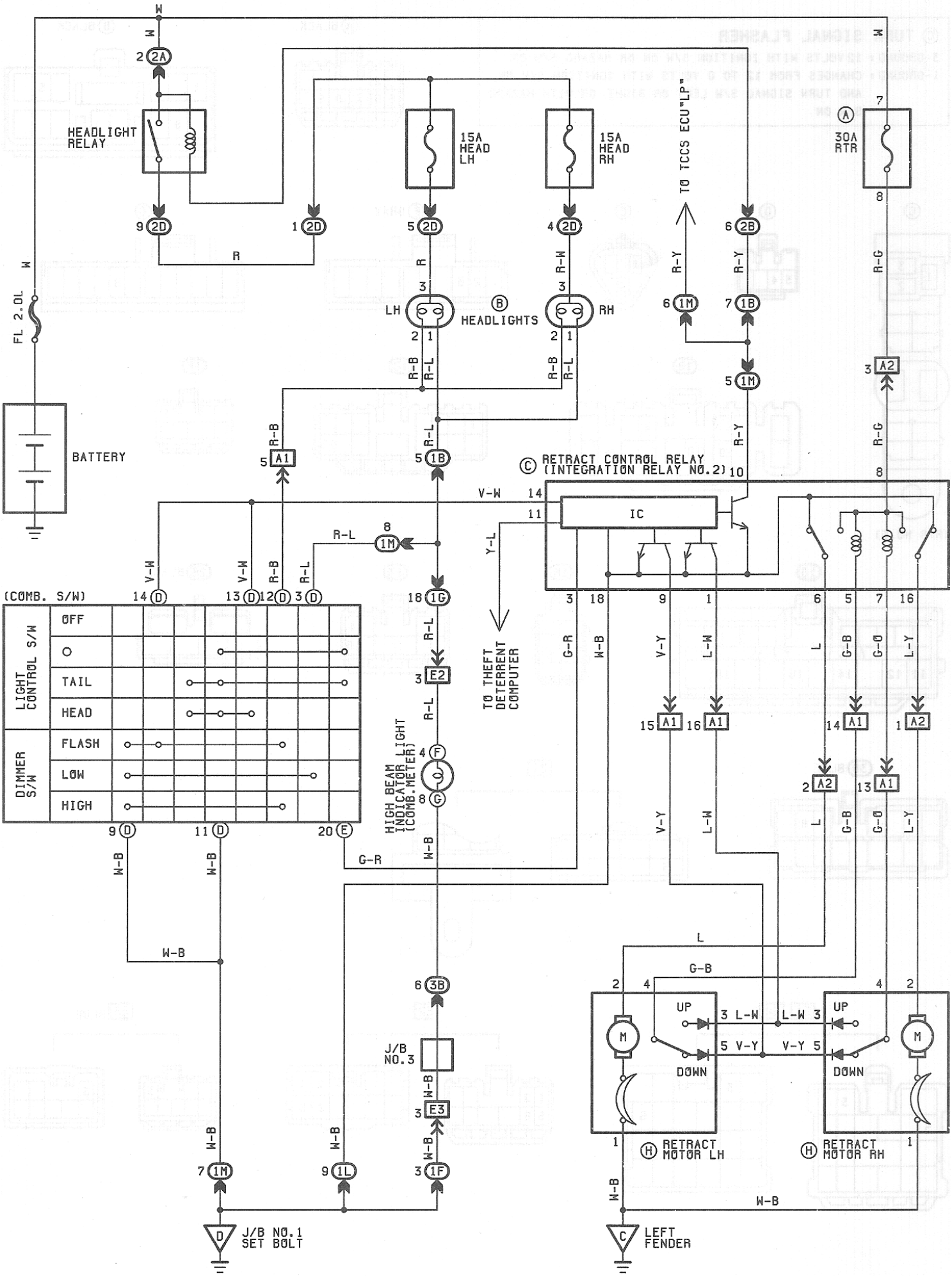
TURN SIGNAL AND HAZARD WARNING LIGHTS



Ⓒ TURN SIGNAL FLASHER

3-GROUND : 12 VOLTS WITH IGNITION S/W ON OR HAZARD S/W ON
1-GROUND : CHANGES FROM 12 TO 0 VOLTS WITH IGNITION S/W ON AND TURN SIGNAL S/W LEFT OR RIGHT, OR WITH HAZARD S/W ON




HEADLIGHT RELAY
15A HEAD LH
15A HEAD RH
30A RTR
TO TCCS ECU"LP"
FL 2.0L
BATTERY
LH
HEADLIGHTS
RH
RETRACT CONTROL RELAY (INTEGRATION RELAY NO.2)
IC
TO THEFT DETERRENT COMPUTER
(COMB. S/W)
LIGHT CONTROL S/W
OFF
TAIL
HEAD
DIMMER S/W
FLASH
LOW
HIGH
HIGH BEAM INDICATOR LIGHT (COMB.METER)
J/B NO.3
UP
DOWN
RETRACT MOTOR LH
RETRACT MOTOR RH
J/B NO.1 SET BOLT
LEFT FENDER

Ⓒ RETRACT CONTROL RELAY

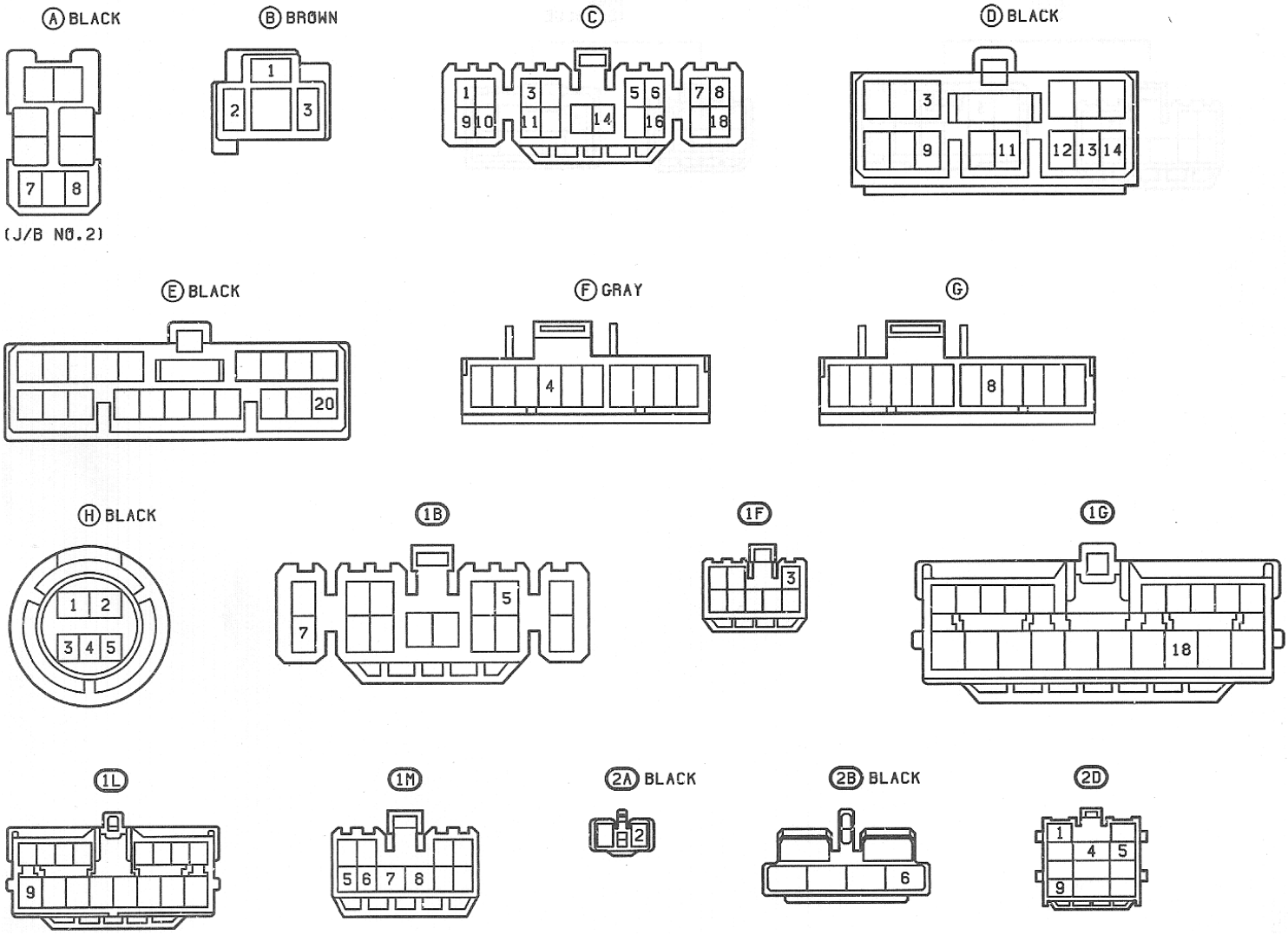
8-GROUND: ALWAYS 12 VOLTS
1-18 : CONTINUITY FOR 8-12 SECONDS WITH LIGHT CONTROL S/W AT **HEAD** POSITION OR LIGHT CONTROL S/W AT **HOLD** POSITION AND DIMMER S/W AT **FLASH** POSITION
1-18 : CONTINUITY FOR 8-12 SECONDS 1-1.5 SECONDS AFTER LIGHT CONTROL S/W **OFF** AND DIMMER S/W AT **FLASH** POSITION
9-18 : CONTINUITY FOR 8-12 SECONDS WITH LIGHT CONTROL S/W AT **HOLD** (UP POSITION) → **OFF** POSITION
9-18 : CONTINUITY FOR 8-12 SECONDS 1-1.5 SECONDS AFTER LIGHT CONTROL S/W OFF AND DIMMER S/W AT **FLASH** POSITION
8-6,8-16: CLOSED WITH LIGHT CONTROL S/W AT **HEAD** POSITION UNTIL RETRACT MOTOR AT **UP** POSITION
8-6,8-16: CLOSED WITH LIGHT CONTROL S/W AT **OFF** POSITION UNTIL RETRACT MOTOR AT **DOWN** POSITION

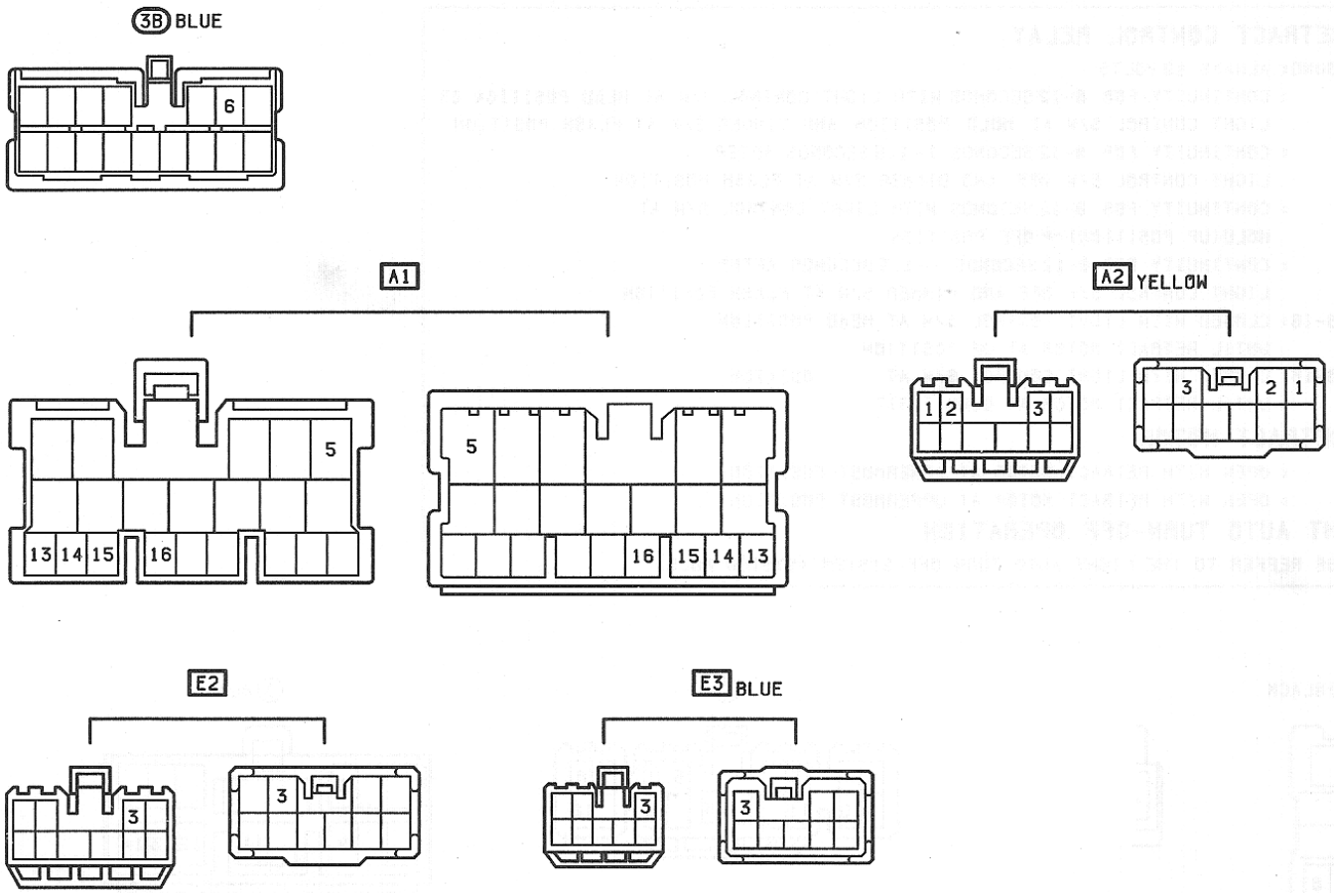
Ⓗ RETRACT MOTOR

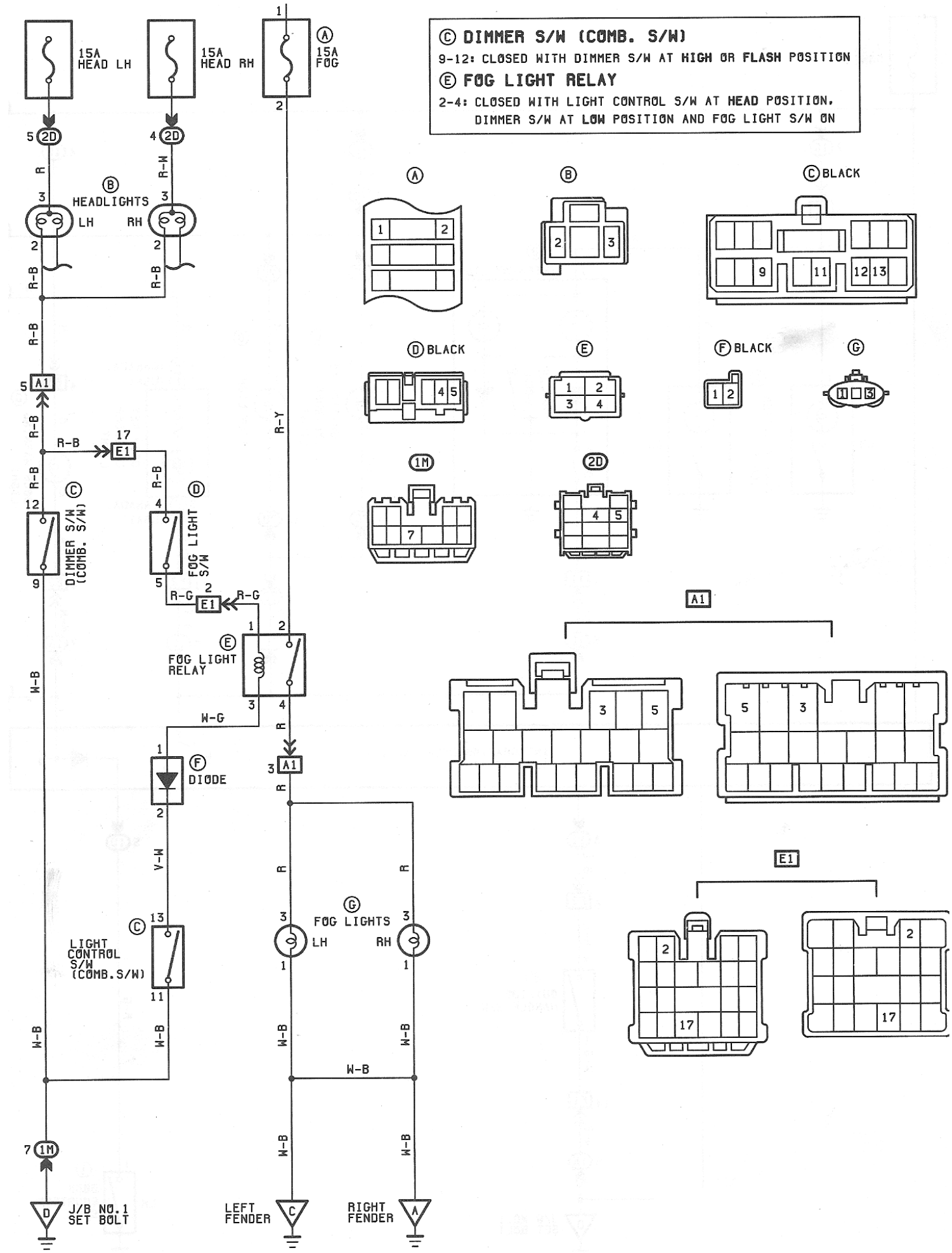
4-3 : OPEN WITH RETRACT MOTOR AT **LOWERMOST** POSITION
4-5 : OPEN WITH RETRACT MOTOR AT **UPPERMOST** POSITION

LIGHT AUTO TURN-OFF OPERATION

PLEASE REFFER TO THE LIGHT AUTO TURN OFF SYSTEM (SYSTEM NO.5)




3B BLUE
6
A1
5
13 14 15 16
5
16 15 14 13
A2 YELLOW
1 2 3
3 2 1
E2
3
3
E3 BLUE
3
3



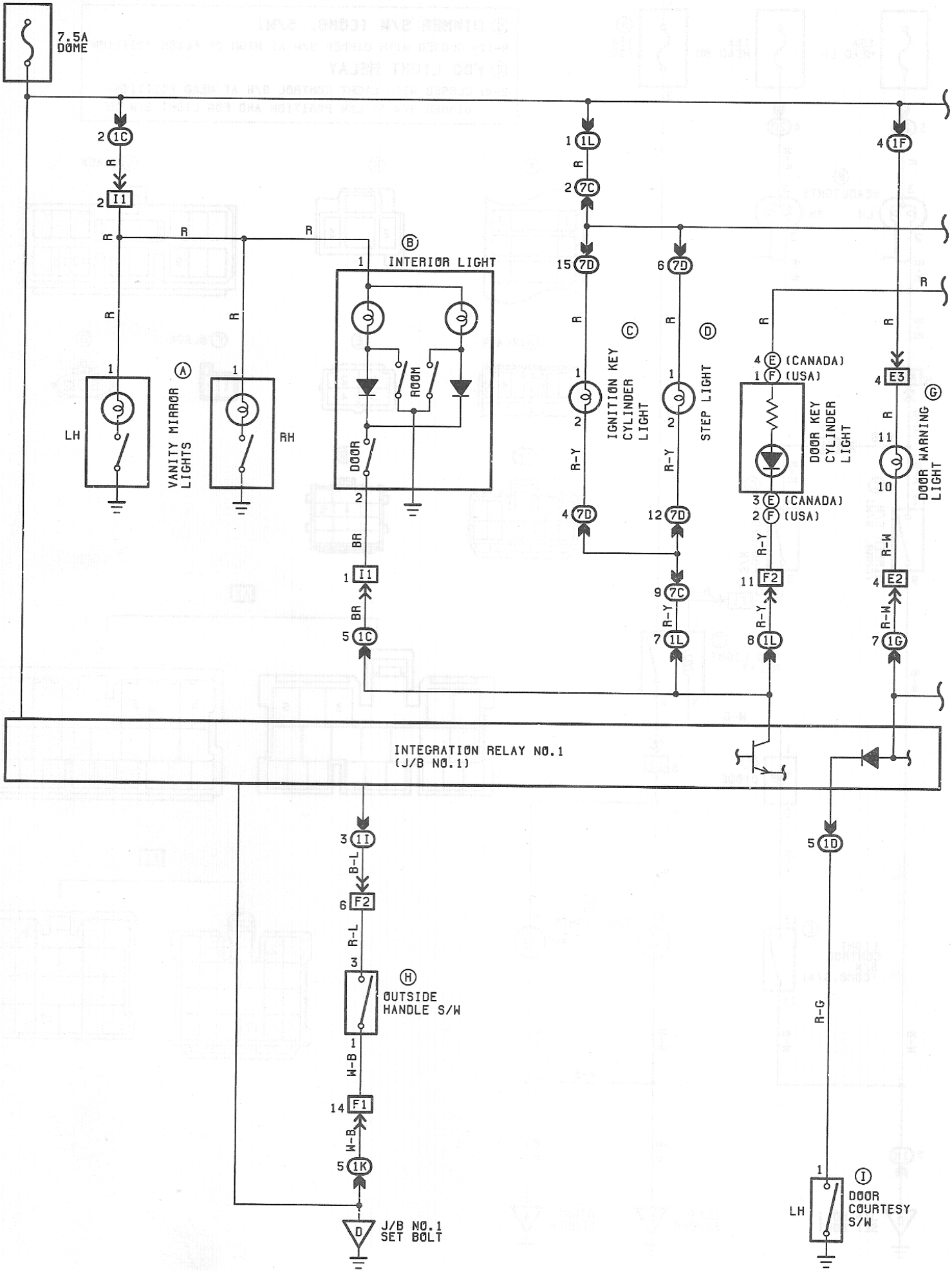
Ⓒ DIMMER S/W (COMB. S/W)

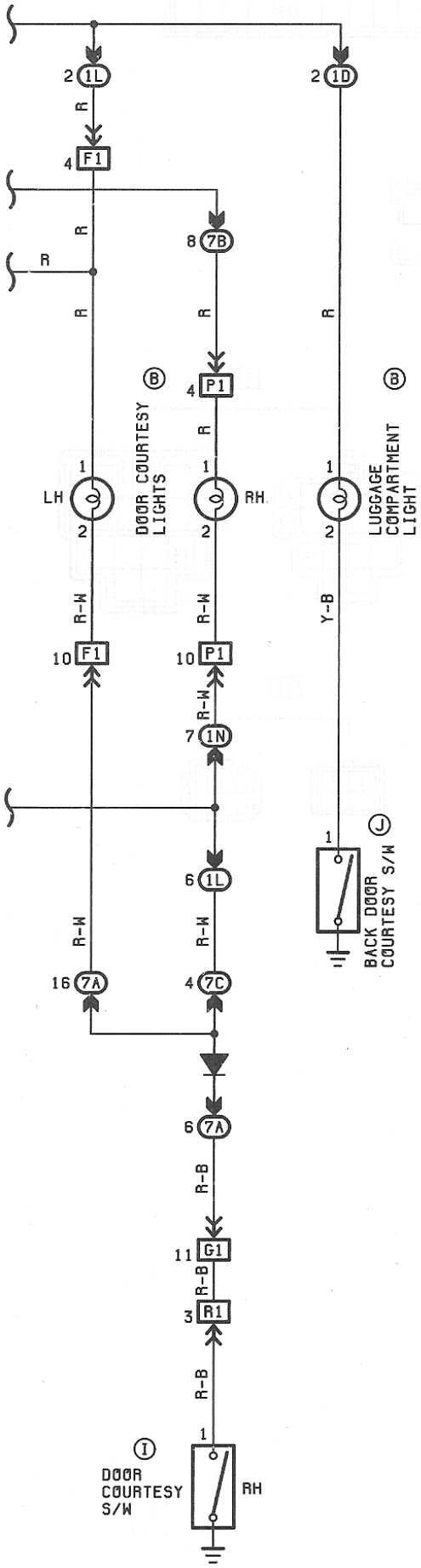
9-12: CLOSED WITH DIMMER S/W AT HIGH OR FLASH POSITION

Ⓔ FOG LIGHT RELAY

2-4: CLOSED WITH LIGHT CONTROL S/W AT HEAD POSITION, DIMMER S/W AT LOW POSITION AND FOG LIGHT S/W ON

9 INTERIOR LIGHTS





INTEGRATION RELAY NO.1 (J/B NO.1)

(1G) 7-GROUND : APPROX. 12 VOLTS WITH DOOR CLOSED
0 VOLT WITH ANY DOOR OPEN

7.5 A DOME FUSE: ALWAYS 12 VOLTS

(1I) 3-GROUND : APPROX. 12 VOLTS WITH DRIVER'S DOOR OUTSIDE HANDLE HOLD UP

(1L) 7-GROUND : APPROX. 12 VOLTS WITH DOOR CLOSED
0 VOLT WITH ANY DOOR OPEN
0 VOLT → 12 VOLTS WITHIN 8.5 SECONDS AFTER DOOR CLOSED OR AFTER DRIVER'S DOOR OUTSIDE HANDEL HOLD UP

(H) OUTSIDE HANDLE S/W (DRIVER'S DOOR)

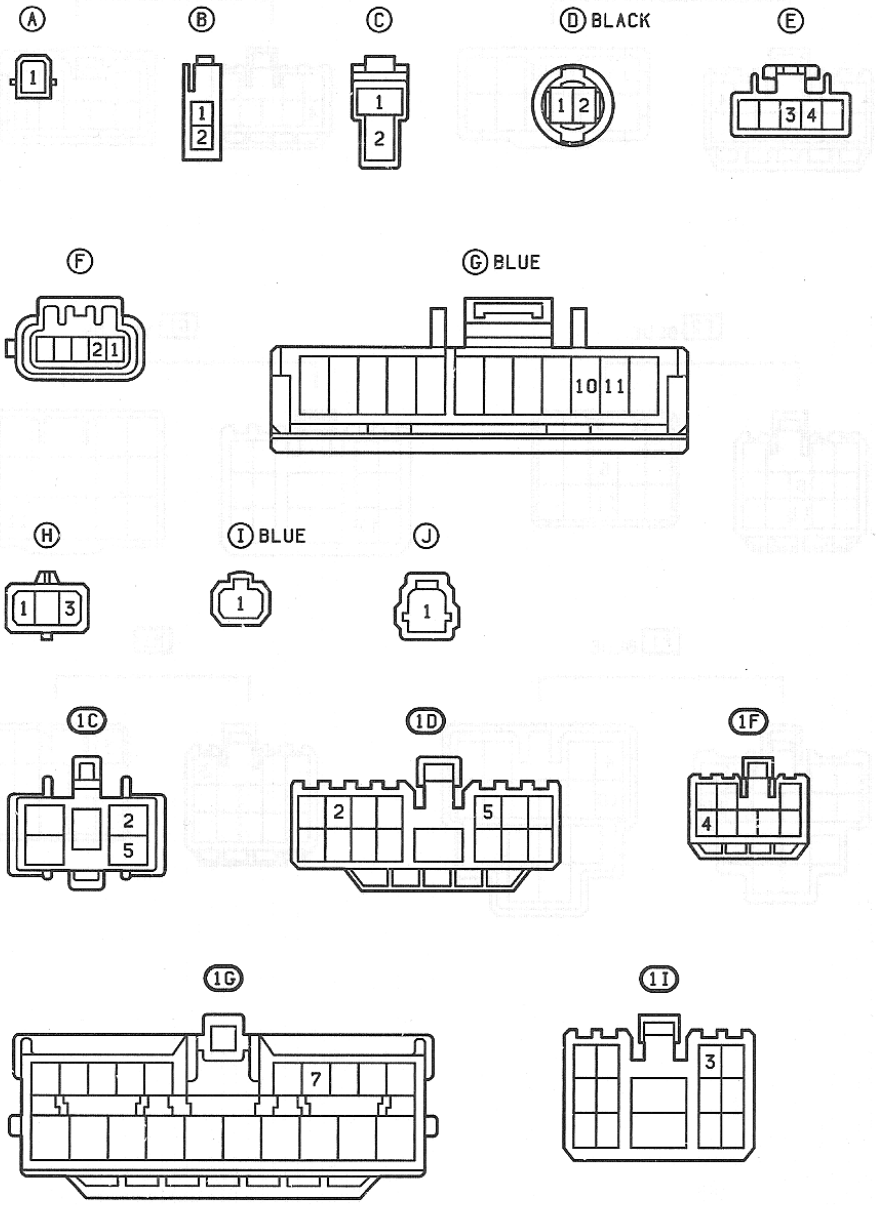
1-3 : CLOSED WITH DRIVER'S DOOR OUTSIDE HANDLE HOLD UP

(I) DOOR COURTESY S/W

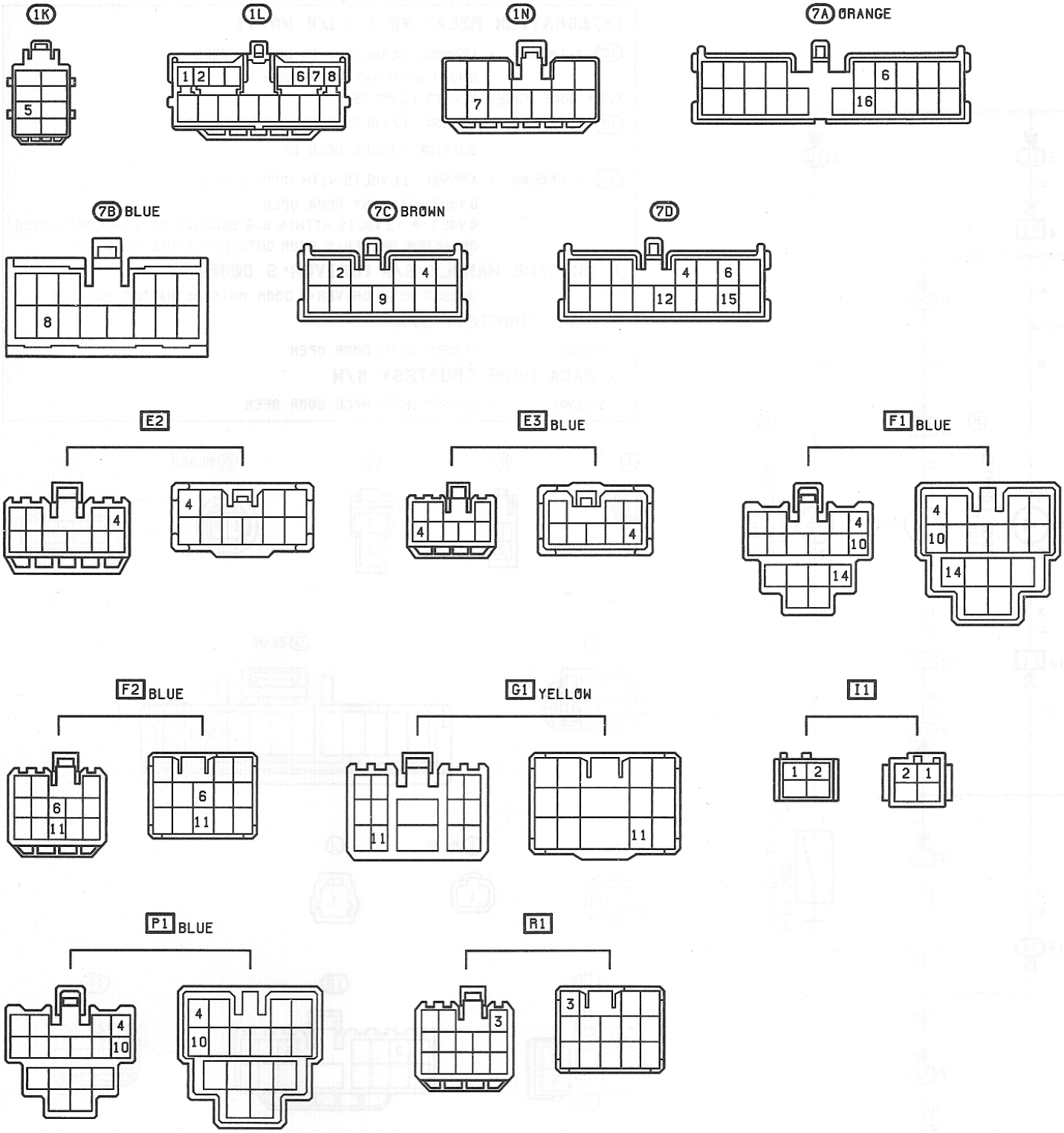
1-GROUND : CLOSED WITH DOOR OPEN

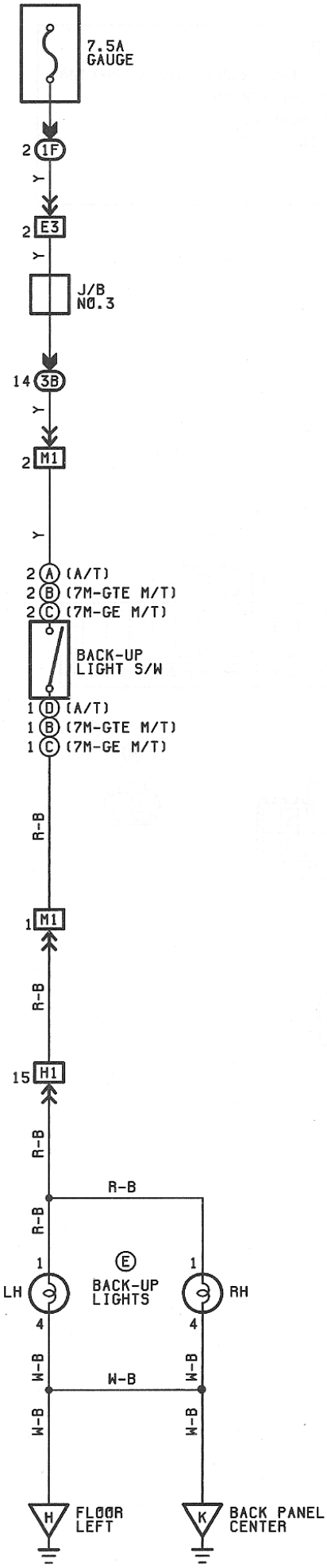
(J) BACK DOOR COURTESY S/W

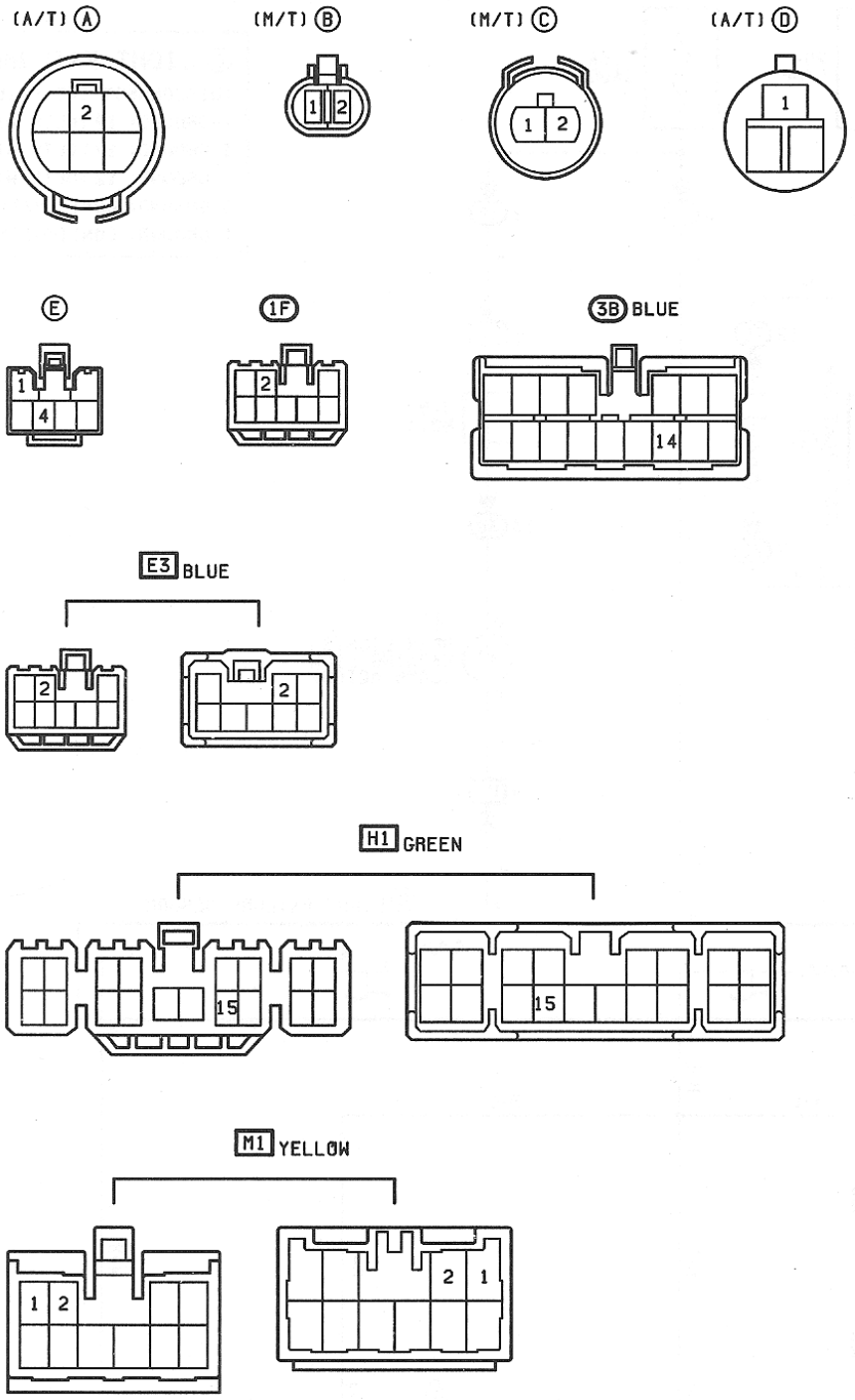
1-GROUND : CLOSED WITH BACK DOOR OPEN



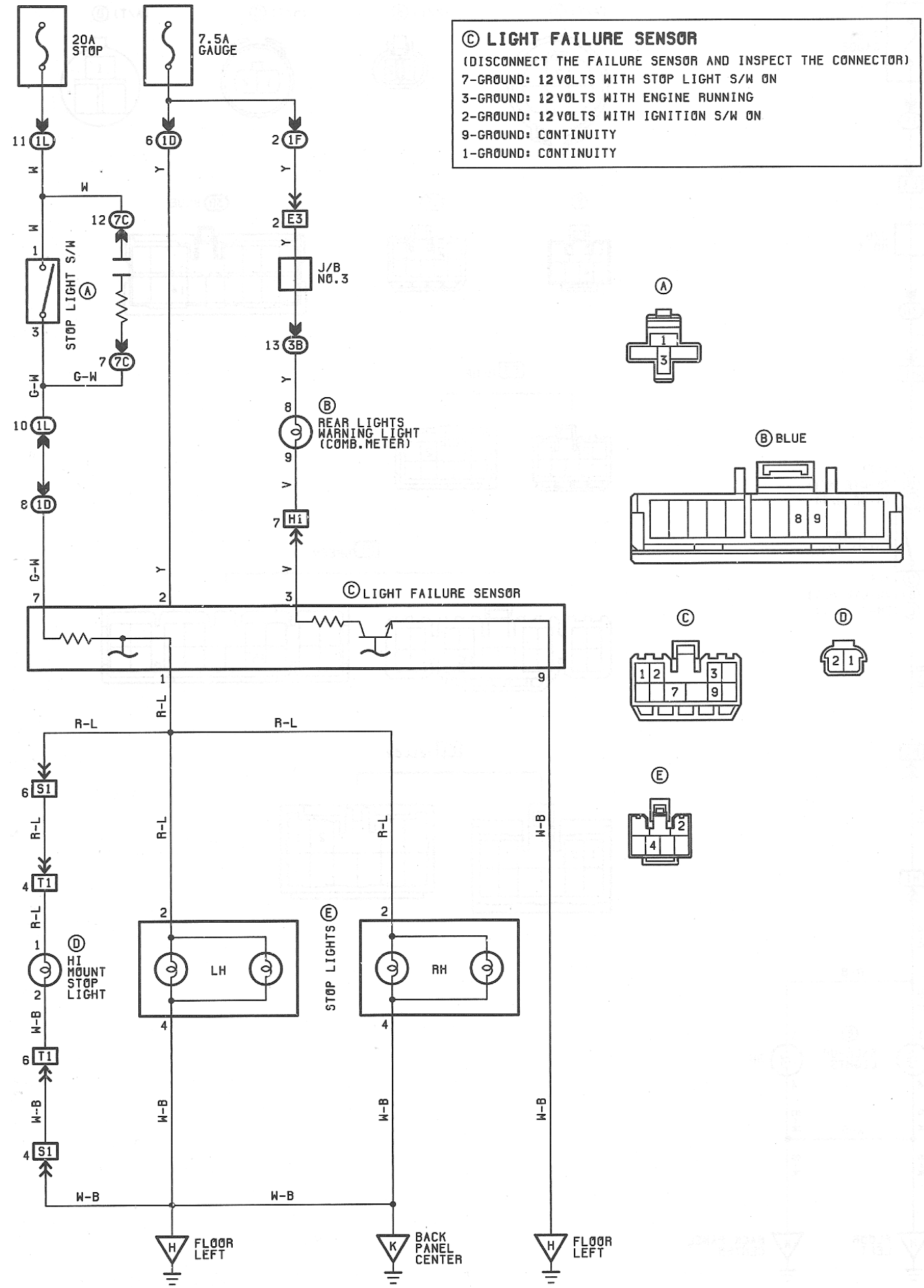
9 INTERIOR LIGHTS




7.5A
GAUGE
2 1F
Y
2 E3
Y
J/B
NO.3
14 3B
Y
2 M1
Y
2 A (A/T)
2 B (7M-GTE M/T)
2 C (7M-GE M/T)
BACK-UP
LIGHT S/W
1 D (A/T)
1 B (7M-GTE M/T)
1 C (7M-GE M/T)
R-B
1 M1
R-B
15 H1
R-B
R-B
R-B
1
LH
4
E
BACK-UP
LIGHTS
1
RH
4
W-B
W-B
W-B
W-B
H
FLOOR
LEFT
K
BACK PANEL
CENTER


(A/T) A
(M/T) B
(M/T) C
(A/T) D
E
1F
3B BLUE
E3 BLUE
H1 GREEN
M1 YELLOW

STOP LIGHTS



Ⓒ LIGHT FAILURE SENSOR

(DISCONNECT THE FAILURE SENSOR AND INSPECT THE CONNECTOR)

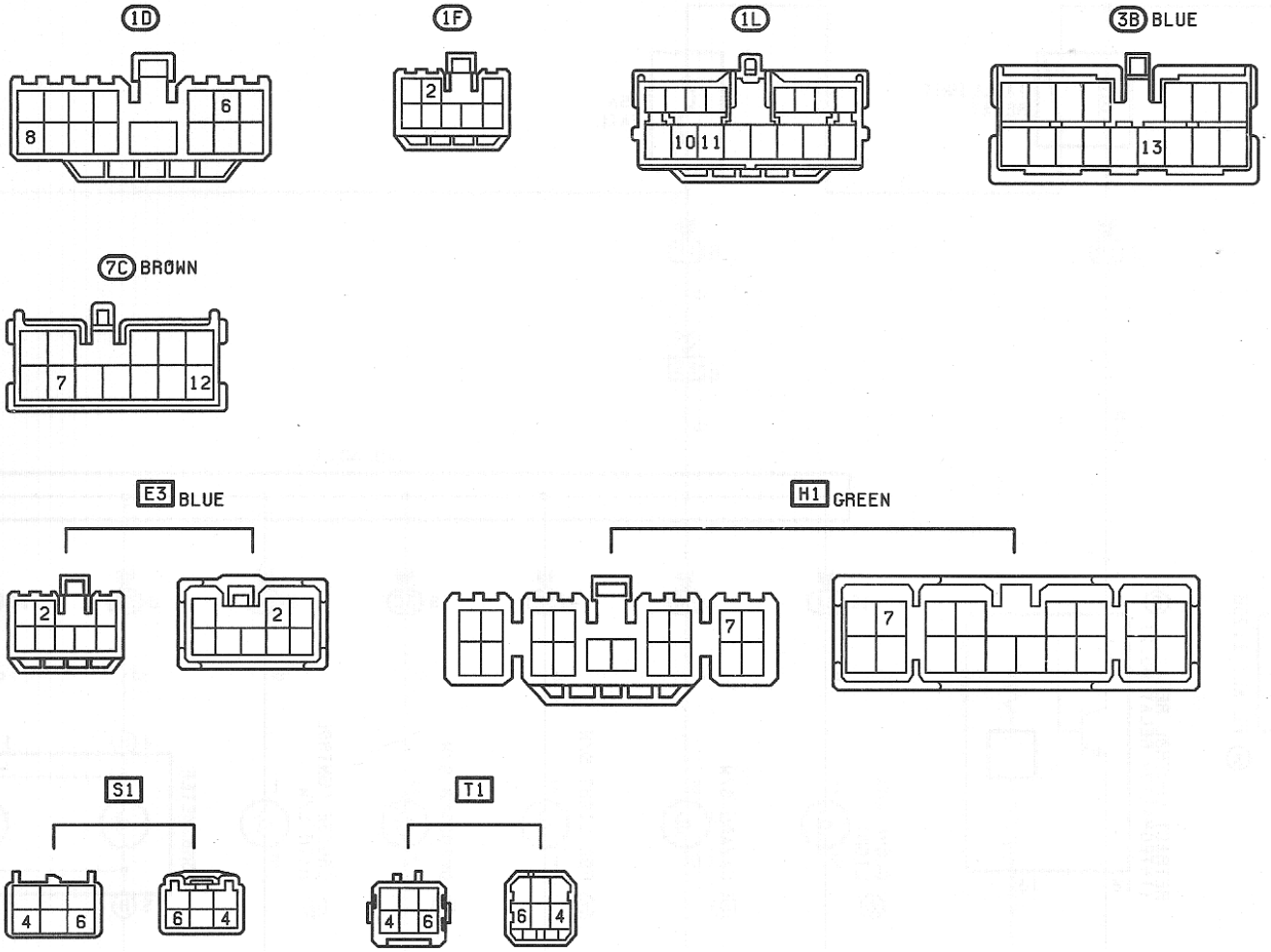
7-GROUND: 12 VOLTS WITH STOP LIGHT S/W ON

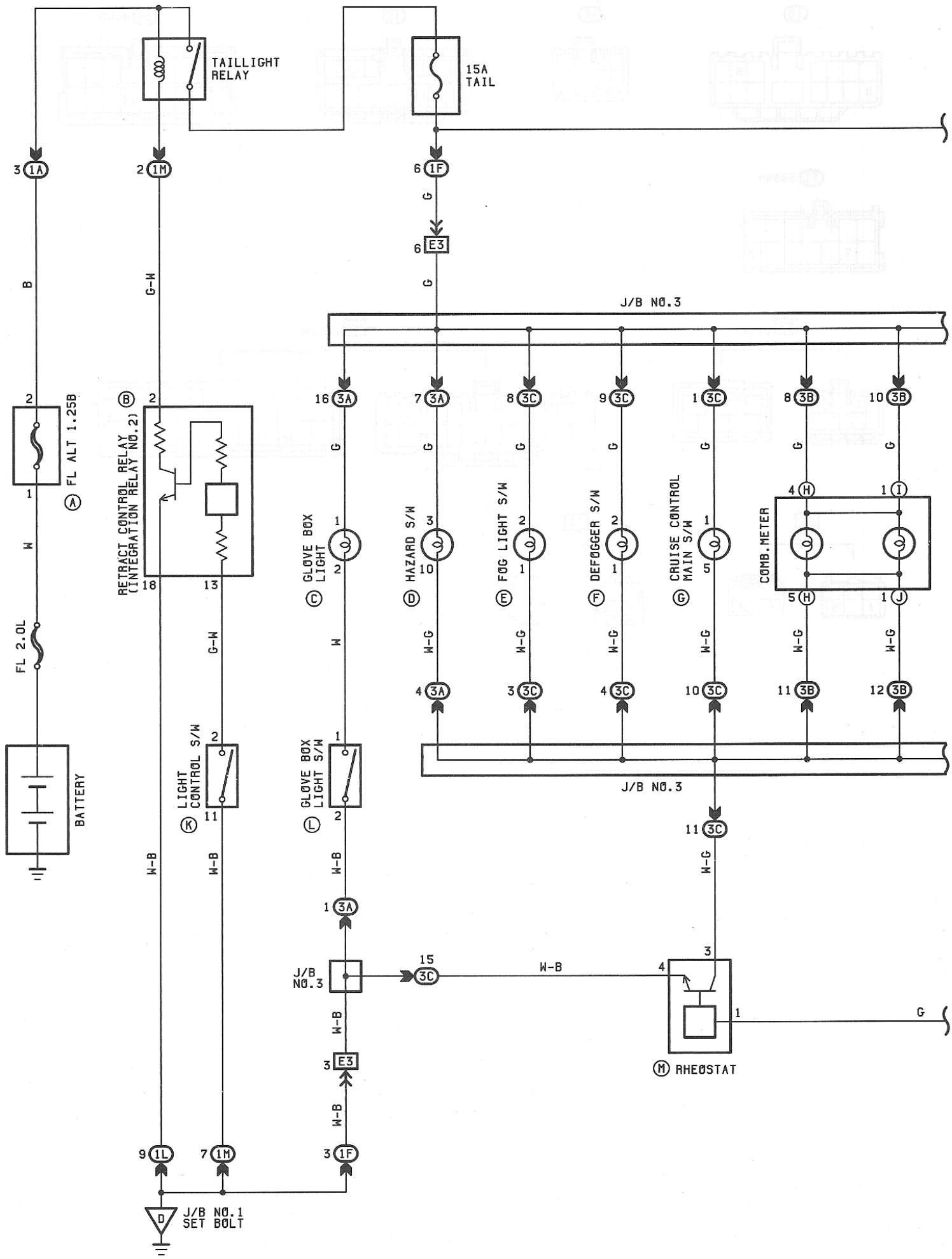
3-GROUND: 12 VOLTS WITH ENGINE RUNNING

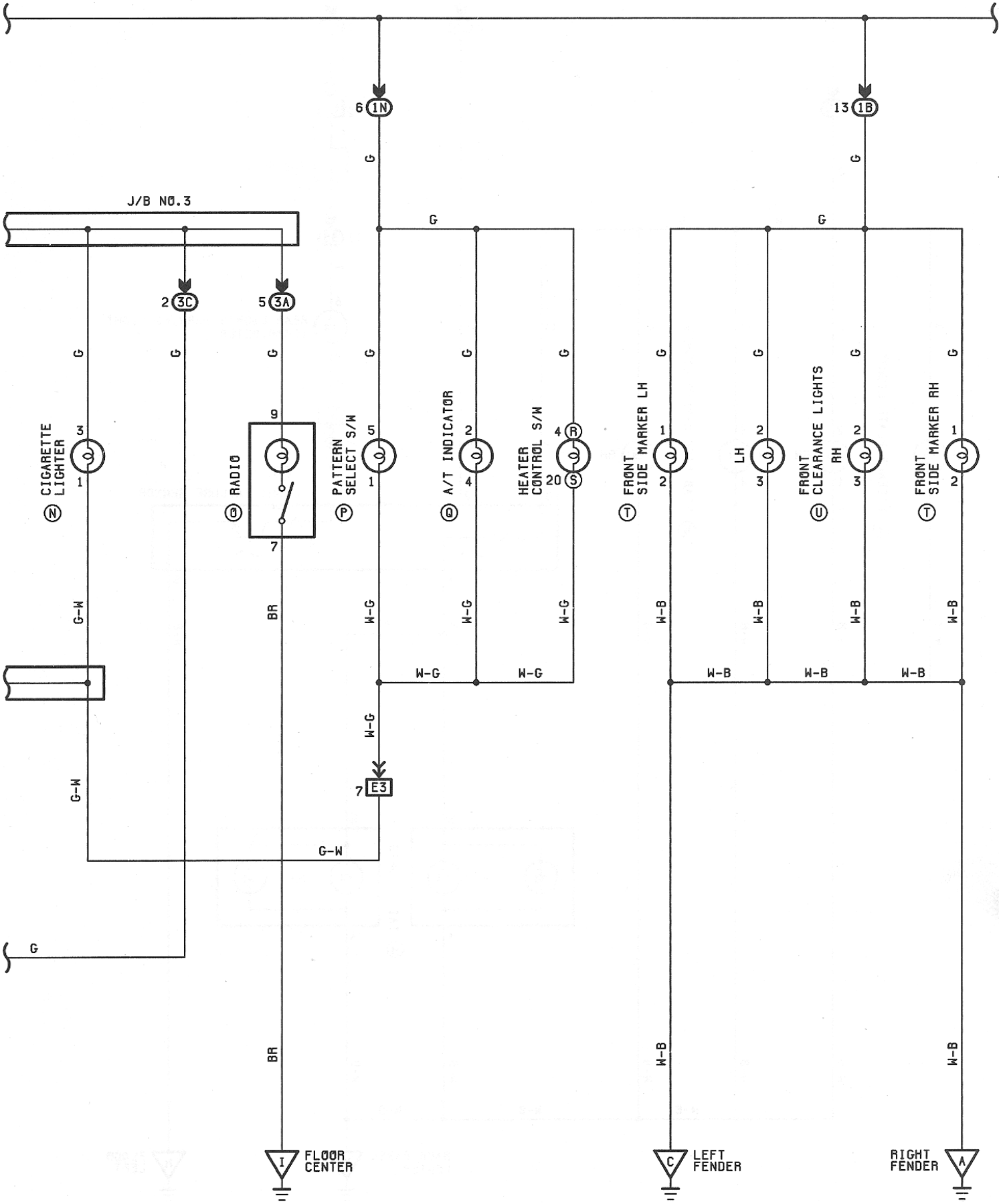
2-GROUND: 12 VOLTS WITH IGNITION S/W ON

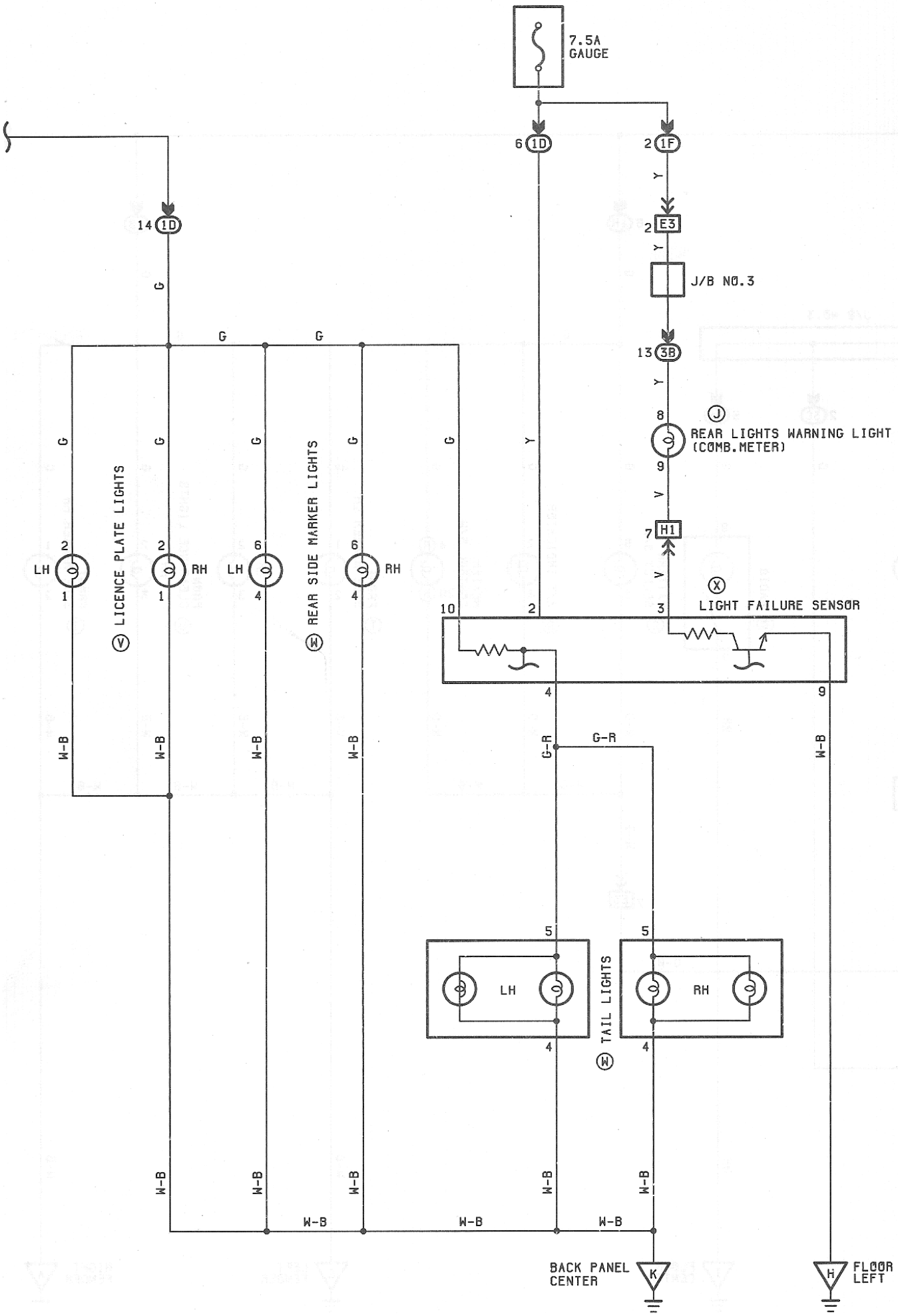
9-GROUND: CONTINUITY

1-GROUND: CONTINUITY


1D
8
6
1F
2
1L
10
11
3B BLUE
13
7C BRØWN
7
12
E3 BLUE
2
2
H1 GREEN
7
7
S1
4
6
6
4
T1
4
6
6
4


TAILLIGHT RELAY
15A TAIL
3 1A
2 1M
6 1F
6 E3
B
G-W
G
J/B NO.3
FL ALT 1.25B
Ⓐ
Ⓑ
RETRACT CONTROL RELAY (INTEGRATION RELAY NO.2)
18
13
W
FL 2.0L
BATTERY
16 3A
7 3A
8 3C
9 3C
1 3C
8 3B
10 3B
GLOVE BOX LIGHT
Ⓒ
HAZARD S/W
Ⓓ
FOG LIGHT S/W
Ⓔ
DEFOGGER S/W
Ⓕ
CRUISE CONTROL MAIN S/W
Ⓖ
COMB.METER
4 Ⓗ
1 Ⓘ
5 Ⓗ
1 Ⓙ
W-G
4 3A
3 3C
4 3C
10 3C
11 3B
12 3B
LIGHT CONTROL S/W
Ⓚ
GLOVE BOX LIGHT S/W
Ⓛ
W-B
1 3A
J/B NO.3
15 3C
11 3C
Ⓜ RHEOSTAT
3 E3
9 1L
7 1M
3 1F
D
J/B NO.1 SET BOLT


J/B NO.3
6 1N
13 1B
2 3C
5 3A
CIGARETTE LIGHTER
N
RADIO
O
PATTERN SELECT S/W
P
A/T INDICATOR
Q
HEATER CONTROL S/W
FRONT SIDE MARKER LH
T
LH
FRONT CLEARANCE LIGHTS
RH
U
FRONT SIDE MARKER RH
T
7 E3
G
G-W
BR
W-G
W-B
FLOOR CENTER
I
LEFT FENDER
C
RIGHT FENDER
A


7.5A
GAUGE
6 1D
2 1F
Y
2 E3
Y
J/B NO.3
13 3B
Y
8
J
REAR LIGHTS WARNING LIGHT
(COMB.METER)
9
V
7 H1
V
X
LIGHT FAILURE SENSOR
14 1D
G
G
G
G
G
G
G
G
Y
LICENCE PLATE LIGHTS
V
REAR SIDE MARKER LIGHTS
W
2
LH
1
2
RH
1
6
LH
4
6
RH
4
10
2
3
4
9
W-B
W-B
W-B
W-B
G-R
G-R
W-B
5
5
LH
RH
TAIL LIGHTS
W
4
4
W-B
W-B
W-B
W-B
W-B
W-B
W-B
BACK PANEL
CENTER
K
H
FLOOR
LEFT

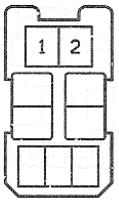
TAILLIGHT RELAY
CLOSED WITH LIGHT CONTROL S/W AT TAIL OR HEAD POSITION
(LIGHT RETAINER RELAY ON)

Ⓑ INTEGRATION RELAY NO.2
PLEASE REFER TO LIGHT AUTO TURN OFF SYSTEM
(SYSTEM NO.5)

Ⓜ RHEOSTAT
3-4: 12VOLTS WITH RHEOSTAT FULLY TURNED COUNTERCLOCKWISE
AND 0VOLT WITH FULLY TURNED CLOCKWISE

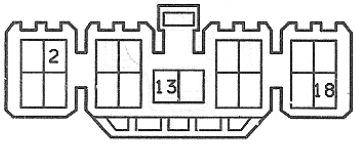
Ⓧ LIGHT FAILURE SENSOR
(DISCONNECT THE FAILURE SENSOR AND INSPECT THE CONNECTOR)
10-GROUND : 12 VOLTS WITH IGNITION S/W ON,LIGHT CONTROL S/W AT TAIL OR HEAD POSITION
3-GROUND : 12 VOLTS WITH ENGINE RUNNING
2-GROUND : 12 VOLTS WITH IGNITION S/W ON
9-GROUND : CONTINUITY
4-GROUND : CONTINUITY

Ⓐ BLACK



(J/B NO.2)

Ⓑ



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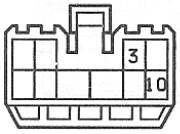
Ⓓ BLACK



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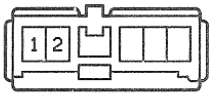

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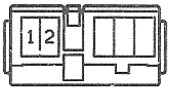

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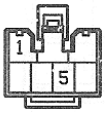

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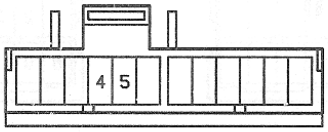
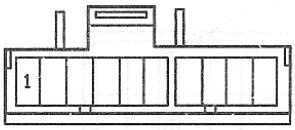


Ⓘ GRAY



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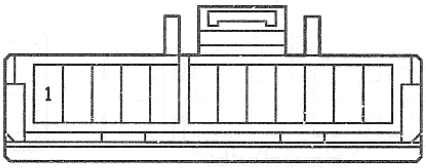

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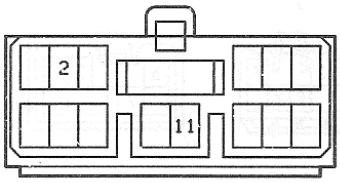
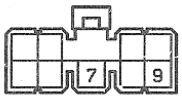


Ⓛ BLUE

Ⓜ BLUE

Ⓝ

Ⓞ



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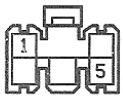
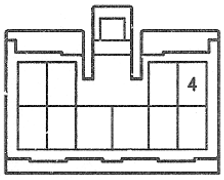


Ⓠ BLUE

Ⓡ



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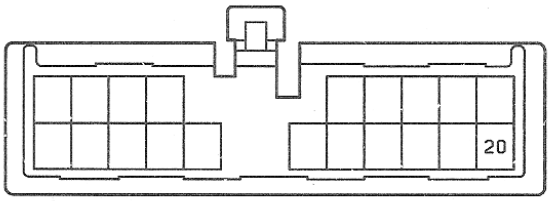


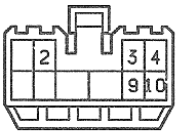
Ⓣ

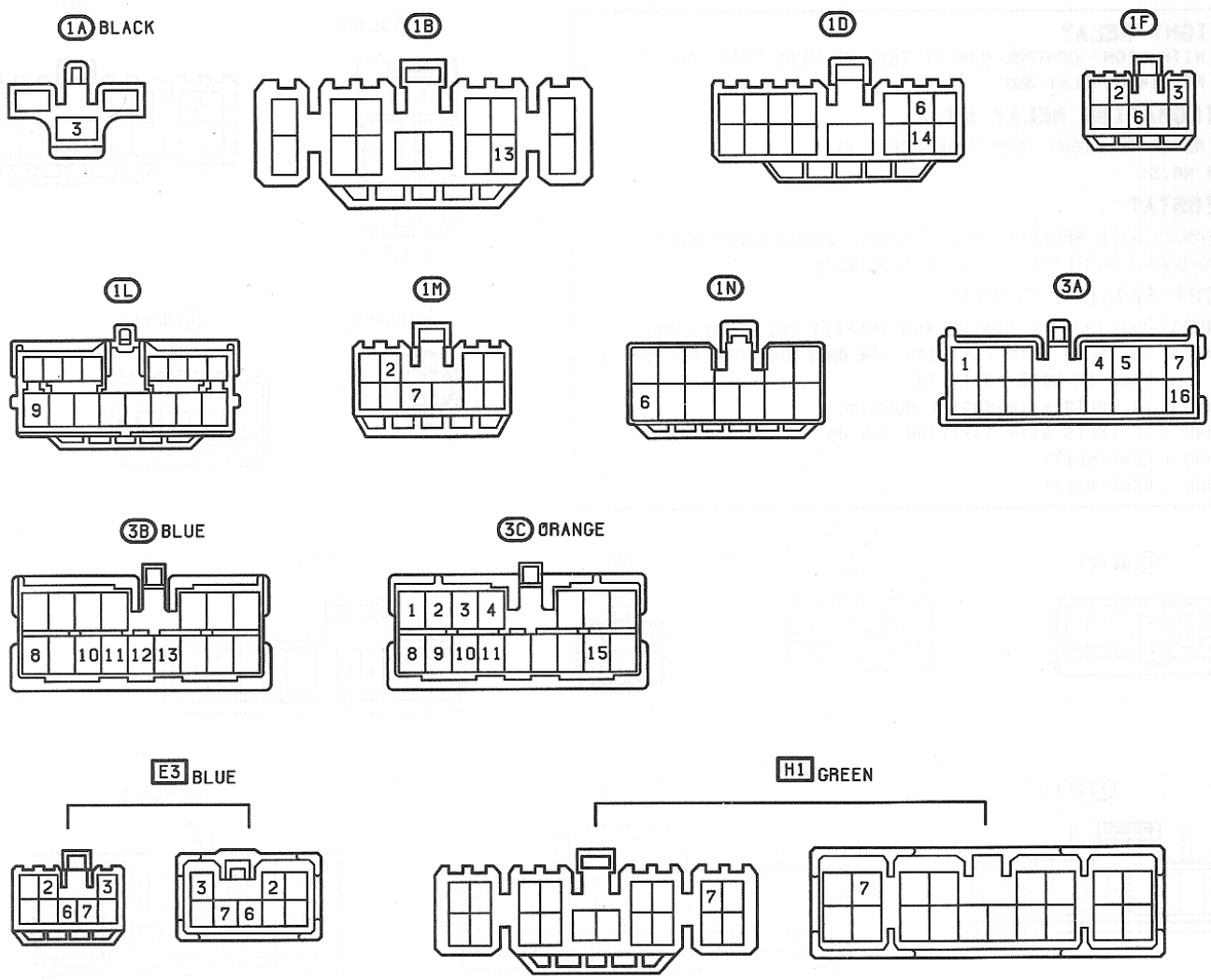
Ⓤ

Ⓥ

Ⓦ

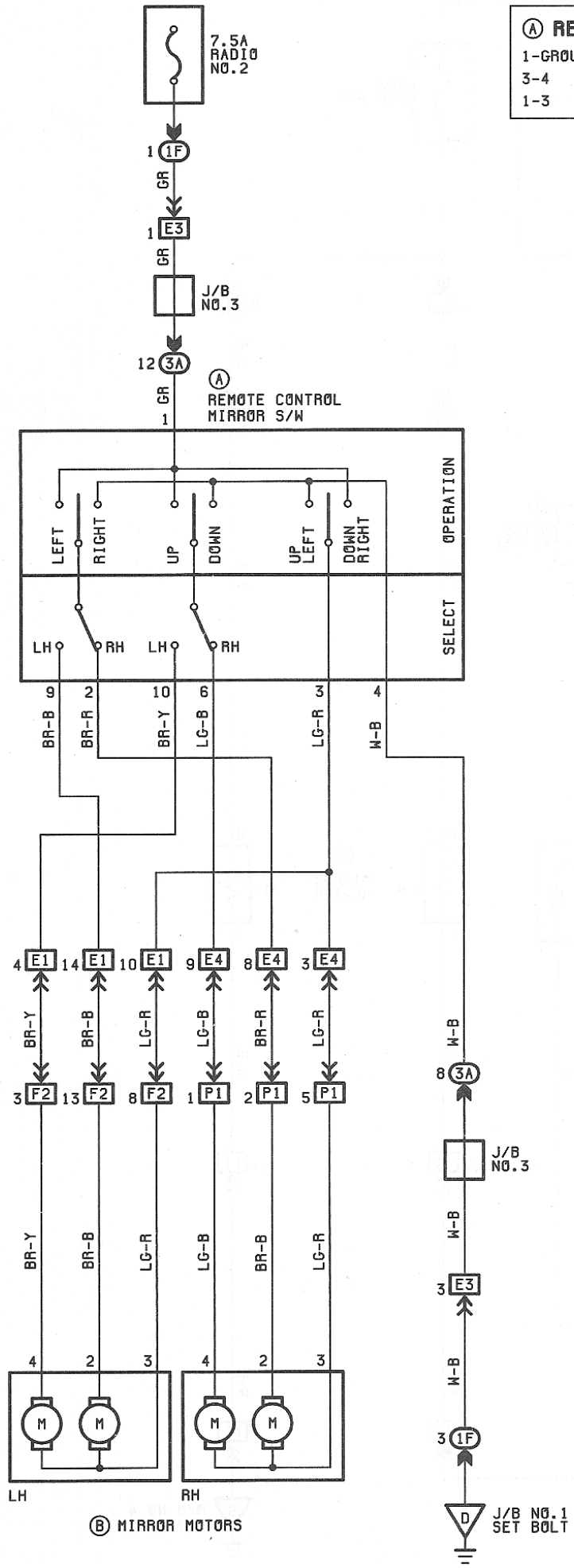
Ⓧ

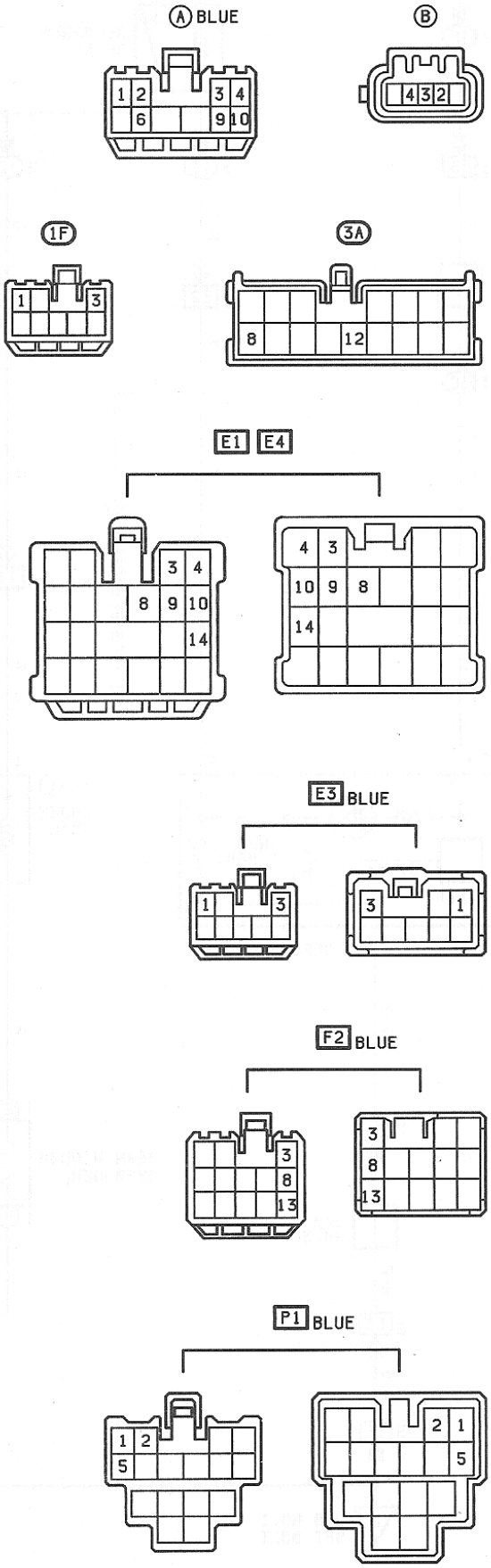



1A BLACK
3
1B
13
1D
6
14
1F
2
3
6
1L
9
1M
2
7
1N
6
3A
1
4
5
7
16
3B BLUE
8
10
11
12
13
3C ORANGE
1
2
3
4
8
9
10
11
15
E3 BLUE
2
3
6
7
3
2
7
6
H1 GREEN
7
7

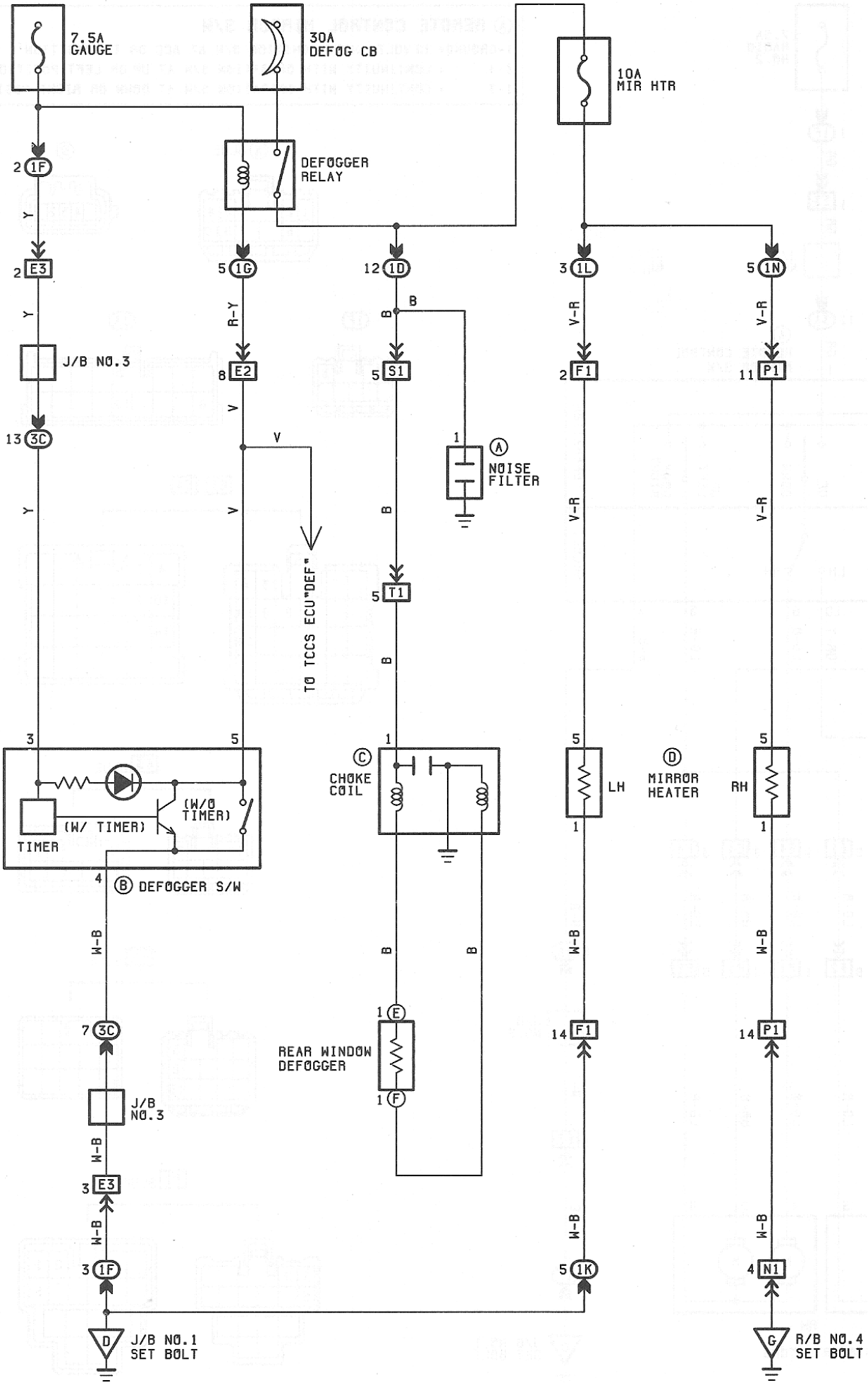
Ⓐ REMOTE CONTROL MIRROR S/W

1-GROUND: 12 VOLTS WITH IGNITION S/W AT ACC OR IG POSITION
3-4 : CONTINUITY WITH OPERATION S/W AT UP OR LEFT POSITION
1-3 : CONTINUITY WITH OPERATION S/W AT DOWN OR RIGHT POSITION



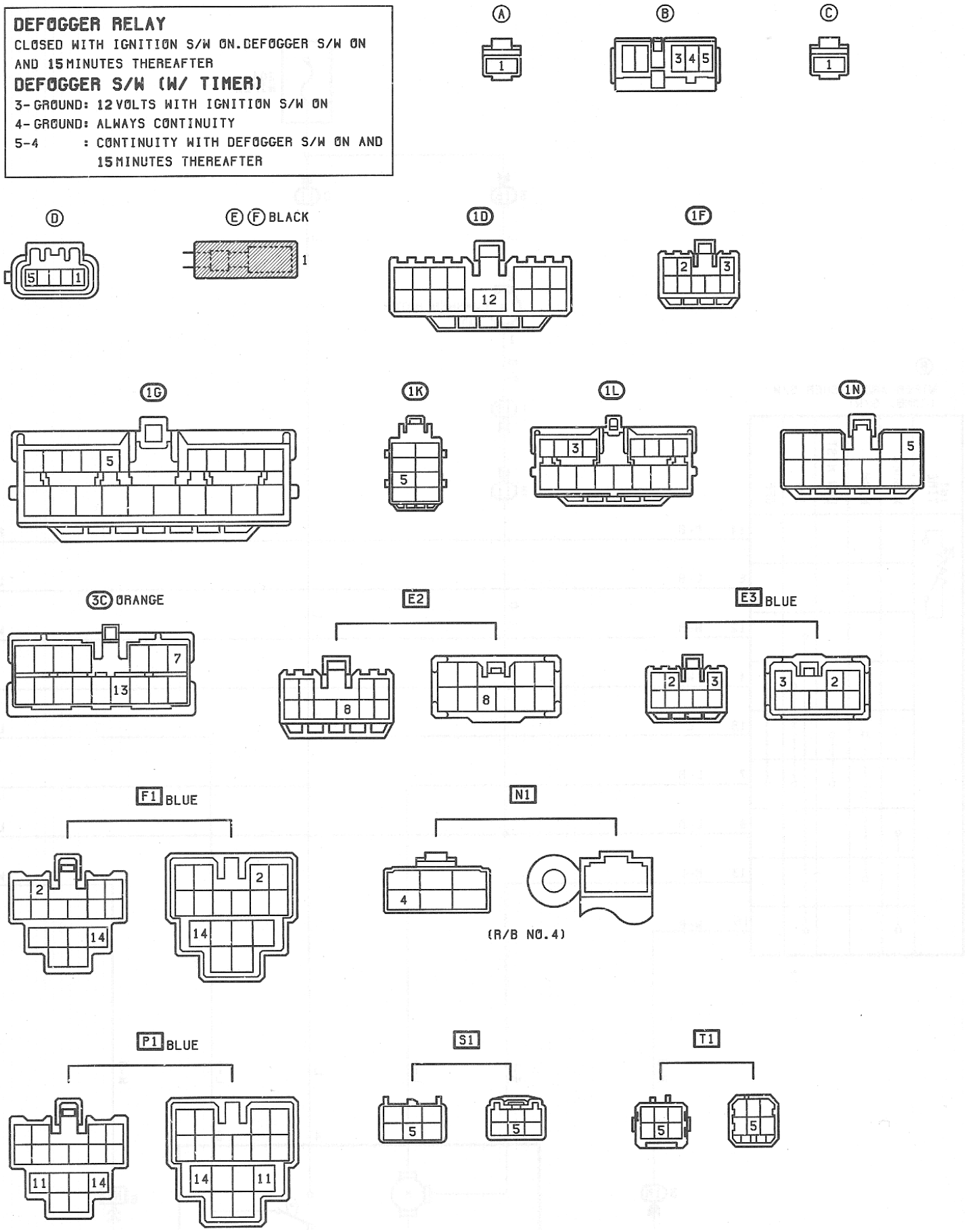


REAR WINDOW DEFOGGER AND MIRROR HEATER

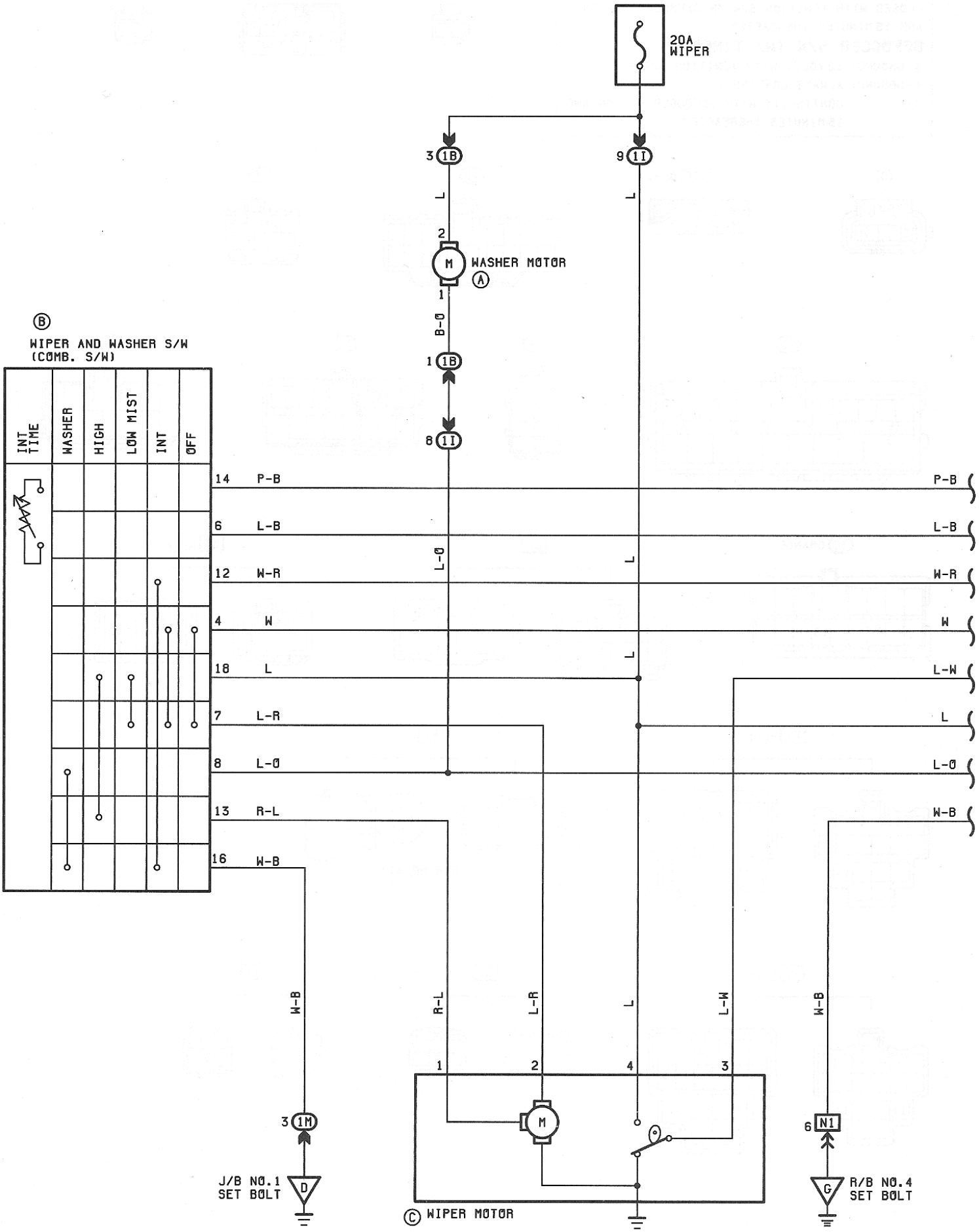


DEFOGGER RELAY
CLOSED WITH IGNITION S/W ON.DEFOGGER S/W ON AND 15 MINUTES THEREAFTER

DEFOGGER S/W (W/ TIMER)
3-GROUND: 12 VOLTS WITH IGNITION S/W ON
4-GROUND: ALWAYS CONTINUITY
5-4 : CONTINUITY WITH DEFOGGER S/W ON AND 15 MINUTES THEREAFTER



FRONT WIPERS AND WASHER



Ⓑ WIPER AND WASHER S/W

6-14 : APPROX. 50KΩ (SLOW)
APPROX. 0KΩ (FAST)

18-GROUND: 12 VOLTS WITH IGNITION S/W AT IG POSITION

7-18 : CONTINUITY WITH WIPER S/W AT LOW POSITION

13-18 : CONTINUITY WITH WIPER S/W AT HIGH POSITION

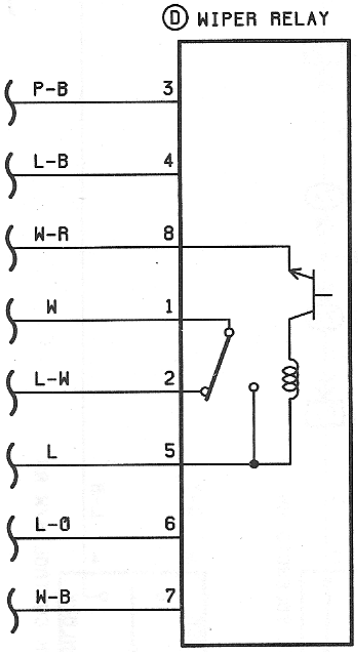
4-2 : CONTINUITY WITH WIPER S/W AT INT POSITION

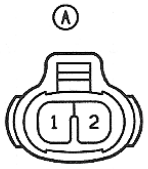
Ⓓ WIPER RELAY

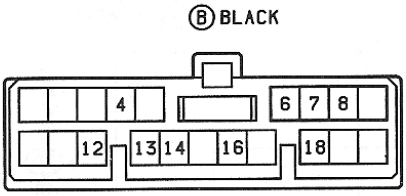
5-GROUND : 12 VOLTS WITH IGNITION S/W AT IG POSITION

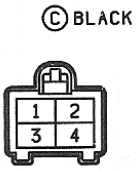
1-GROUND : 12 VOLTS 2-10 SECONDS INTERMITTENTLY WITH IGNITION S/W ON AND WIPER S/W AT INT POSITION

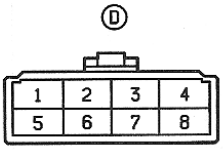
1-GROUND : 12 VOLTS WITH IGNITION S/W ON AND WASHER S/W ON AND FOR 2.5 SECONDS AFTER WASHER S/W OFF

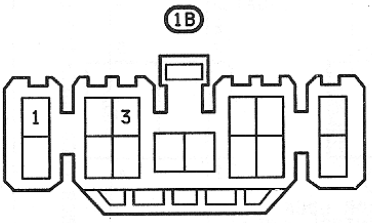


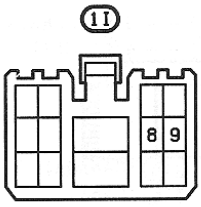


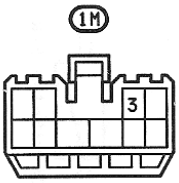


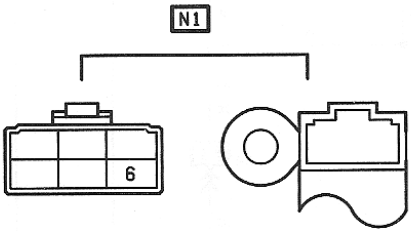


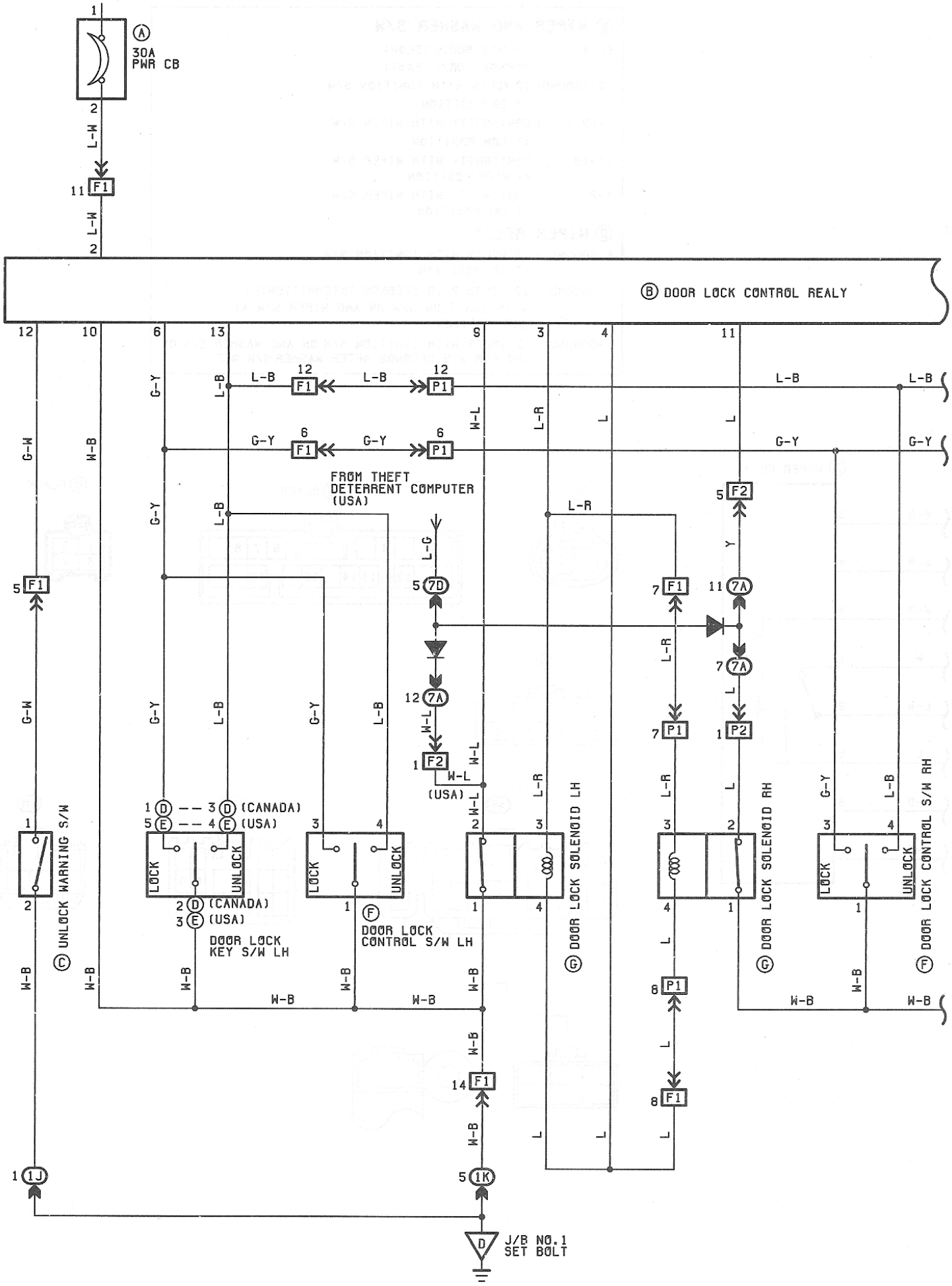


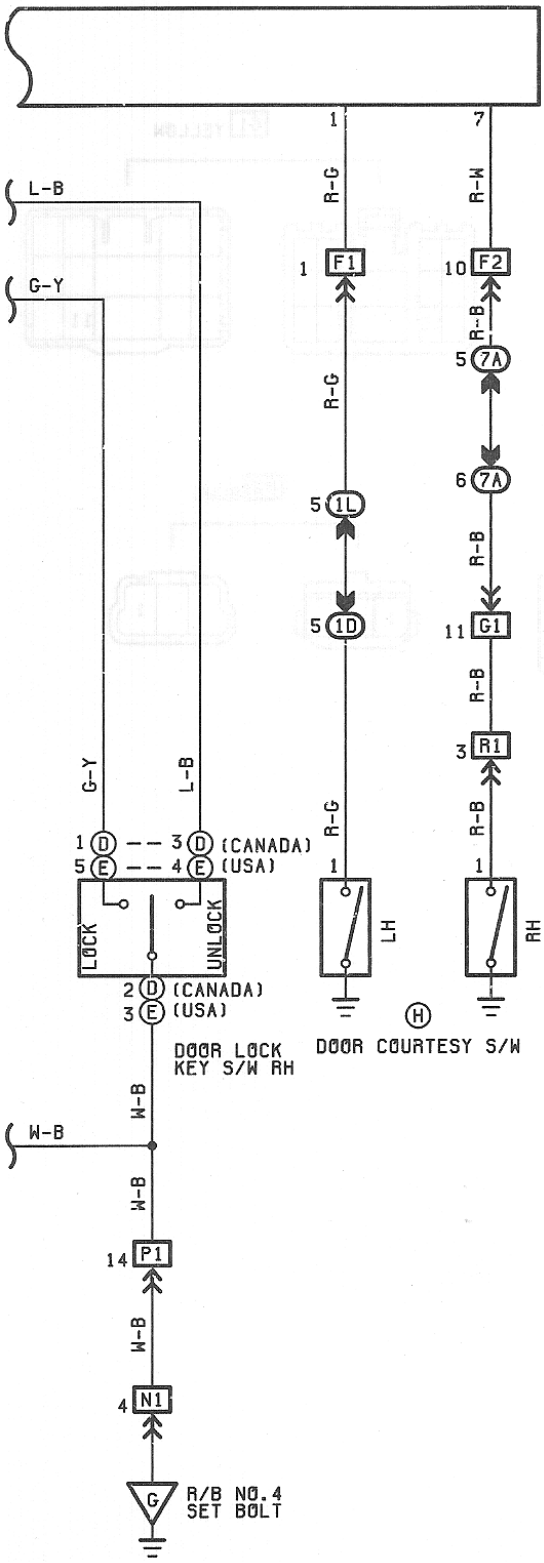









30A
PWR CB
DOOR LOCK CONTROL REALY
FROM THEFT
DETERRENT COMPUTER
(USA)
(CANADA)
(USA)
UNLOCK WARNING S/W
DOOR LOCK
KEY S/W LH
DOOR LOCK
CONTROL S/W LH
DOOR LOCK SOLENOID LH
DOOR LOCK SOLENOID RH
DOOR LOCK CONTROL S/W RH
LOCK
UNLOCK
J/B NO.1
SET BOLT



Ⓑ DOOR LOCK CONTROL RELAY

2-GROUND : ALWAYS 12 VOLTS
10-GROUND: ALWAYS CONTINUITY
4-GROUND : 12 VOLTS 0.2 SECONDS WITH FOLLOWING OPERATION
DOOR LOCK CONTROL S/W LOCKED
DOOR LOCK CYLINDER LOCKED WITH KEY
3-GROUND : 12 VOLTS 0.2 SECONDS WITH FOLLOWING OPERATION
DOOR LOCK CONTROL S/W UNLOCKED
DOOR LOCK CONTROL S/W LOCKED WITH IGNITION KEY IN CYLINDER AND DRIVER'S DOOR OPEN
(IGNITION KEY REMINDER FUNCTION)
DOOR LOCK LEVER PUSHED WITH IGNITION KEY IN CYLINDER AND DRIVER'S DOOR OPEN
(IGNITION KEY REMINDER FUNCTION)
UNLOCKING THE DRIVER'S, ASSISTANT'S DOOR CYLINDER WITH KEY
6-GROUND : 12→0 VOLT WITH DOOR LOCK CONTROL S/W LOCKED OR DRIVER'S, ASSISTANT'S DOOR LOCK CYLINDER LOCKED WITH KEY
9-GROUND : 12 VOLTS WITH DRIVER'S DOOR LOCK LEVER PUSHED
0 VOLT WITH DRIVER'S DOOR LOCK LEVER PULLED
11-GROUND: 12 VOLTS WITH ASSISTANT'S DOOR LOCK LEVER PUSHED
0 VOLT WITH ASSISTANT'S DOOR LOCK LEVER PULLED
12-GROUND: 12VOLTS WITH THE KEY REMOVED FROM THE IGNITION S/W DRIVER'S DOOR CLOSED
0 VOLT WITH IGNITION KEY CYLINDER AND DRIVER'S DOOR OPEN
13-GROUND: 12→0 VOLT WITH DOOR LOCK CONTROL S/W UNLOCKED OR DRIVER'S, ASSISTANT'S DOOR LOCK CYLINDER UNLOCKED WITH KEY

Ⓒ UNLOCK WARNING S/W

1-2: CLOSED WITH IGNITION KEY IN CYLINDER

Ⓔ DOOR LOCK KEY S/W

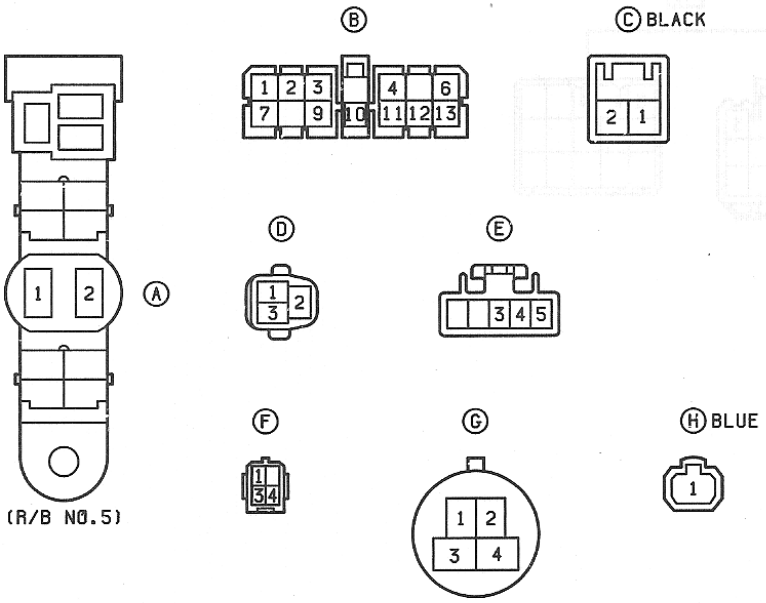
3-2: CLOSED WITH DOOR LOCK CYLINDER LOCKED WITH KEY
1-2: CLOSED WITH DOOR LOCK CYLINDER UNLOCKED WITH KEY

Ⓖ DOOR LOCK SOLENOID

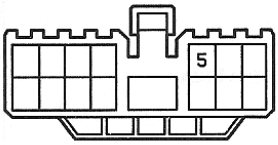
1-2: CLOSED WITH UNLOCK POSITION

Ⓗ DOOR COURTESY S/W

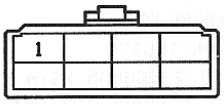
1-GROUND: CLOSED WITH DOOR OPEN



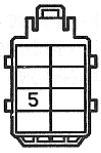
1D



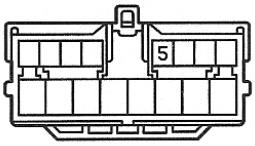
1J



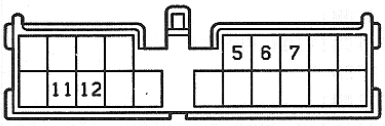
1K



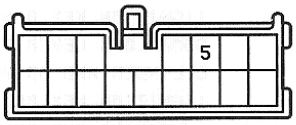
1L



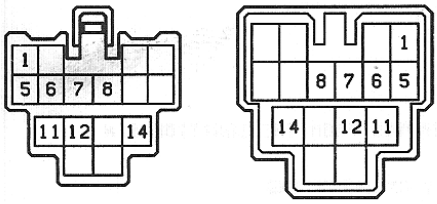
7A ORANGE



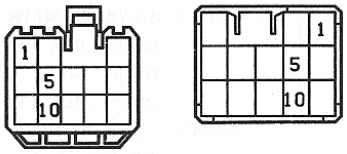
7D



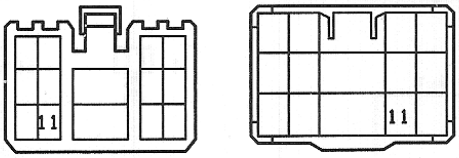
F1 BLUE



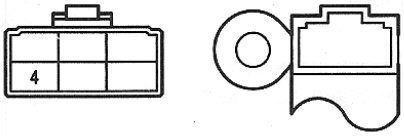
F2 BLUE



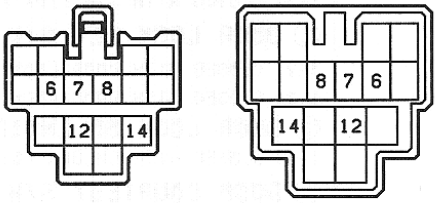
G1 YELLOW



N1

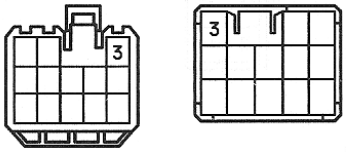


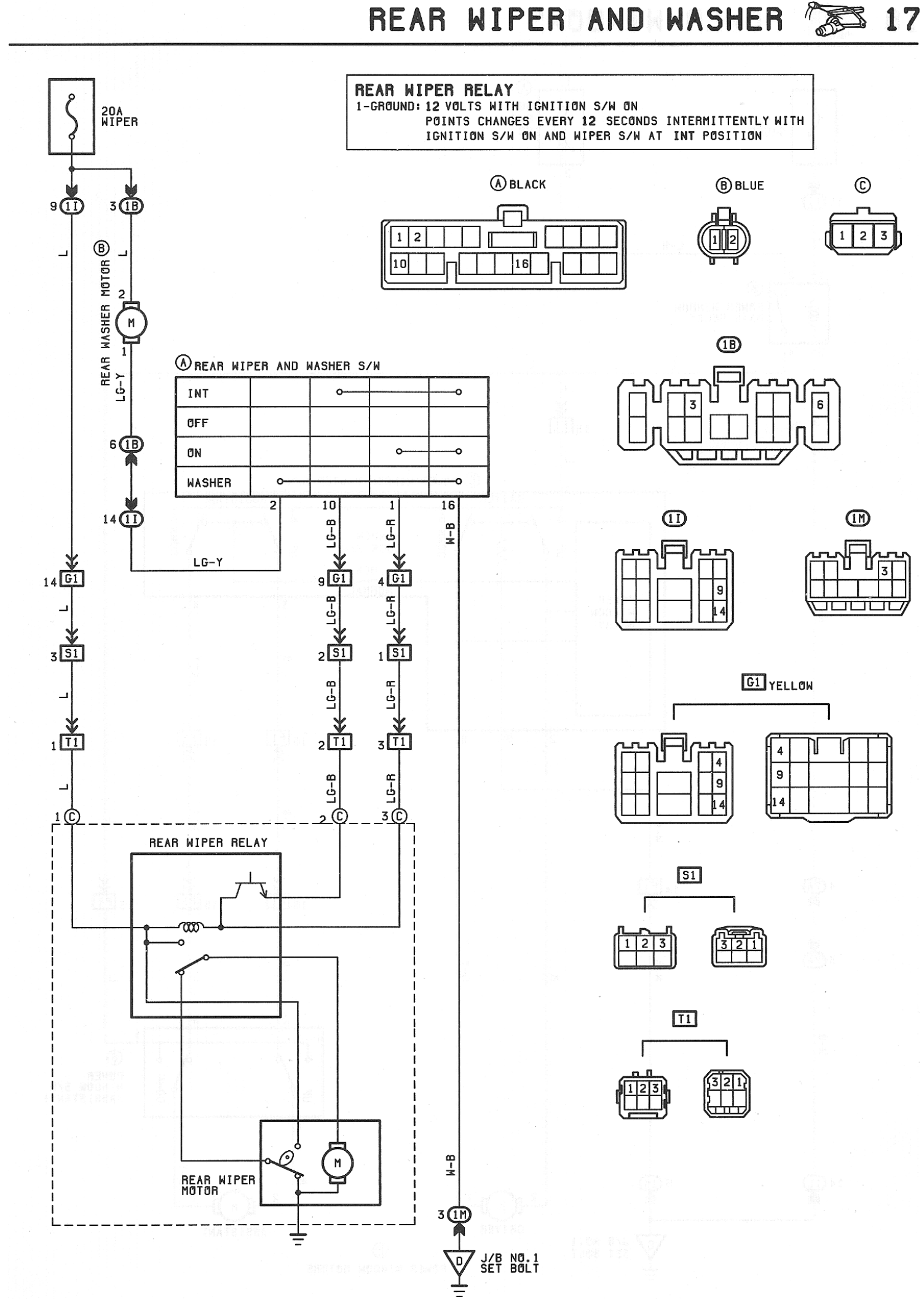
P1 BLUE

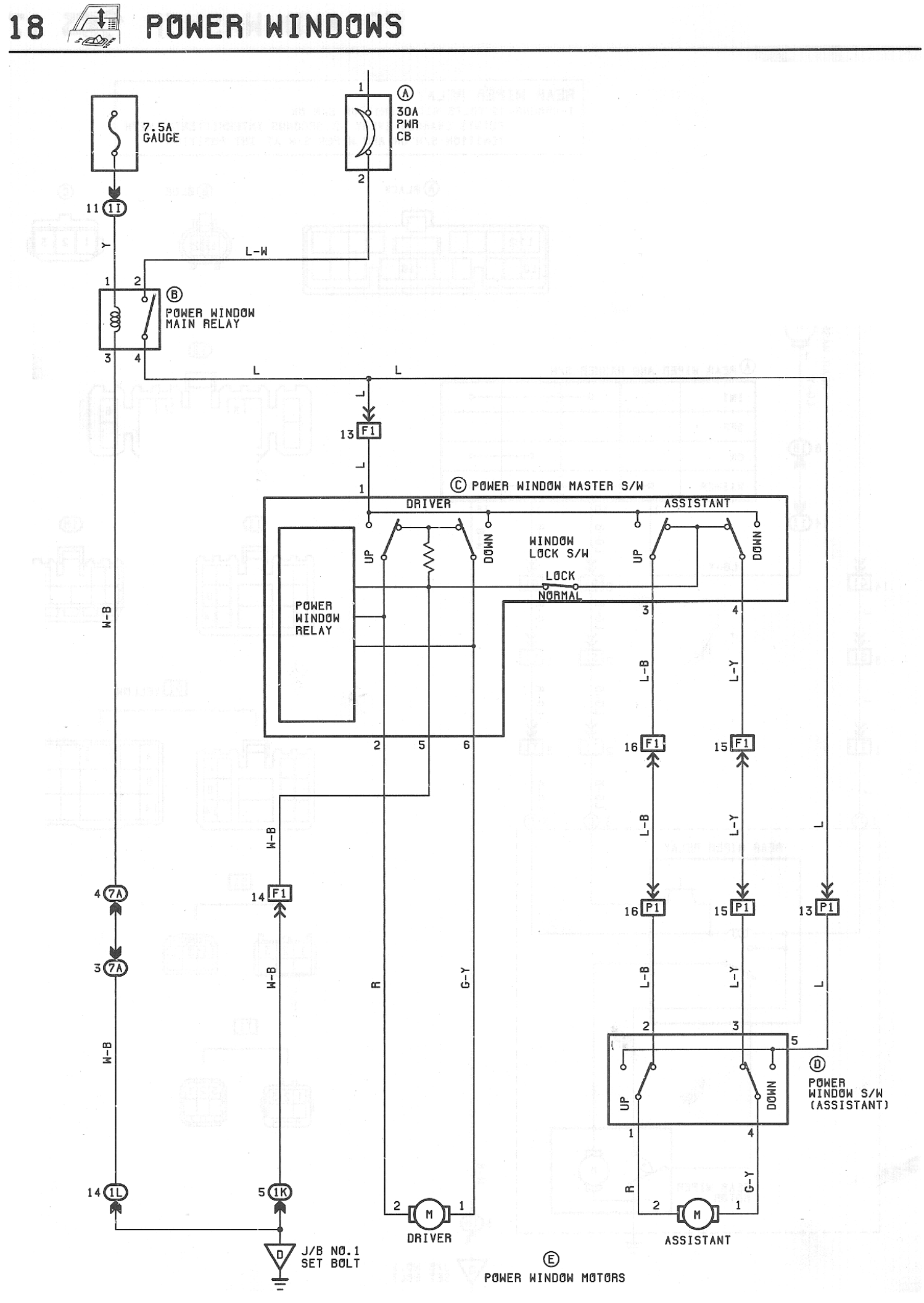


P2 BLUE

R1




REAR WIPER RELAY
1-GROUND: 12 VOLTS WITH IGNITION S/W ON
POINTS CHANGES EVERY 12 SECONDS INTERMITTENTLY WITH
IGNITION S/W ON AND WIPER S/W AT INT POSITION
20A WIPER
A BLACK
B BLUE
C
REAR WASHER MOTOR
REAR WIPER AND WASHER S/W
INT
OFF
ON
WASHER
LG-Y
LG-B
LG-R
W-B
REAR WIPER RELAY
REAR WIPER MOTOR
J/B NO.1 SET BOLT
G1 YELLOW
S1
T1

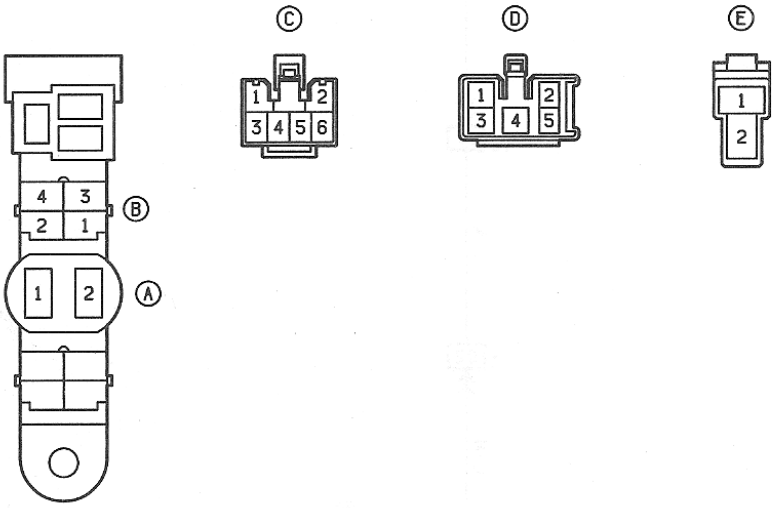

7.5A GAUGE
30A PWR CB
POWER WINDOW MAIN RELAY
POWER WINDOW MASTER S/W
DRIVER
ASSISTANT
UP
DOWN
WINDOW LOCK S/W
LOCK
NORMAL
POWER WINDOW RELAY
POWER WINDOW S/W (ASSISTANT)
J/B NO.1 SET BOLT
DRIVER
ASSISTANT
POWER WINDOW MOTORS

Ⓒ POWER WINDOW MASTER S/W

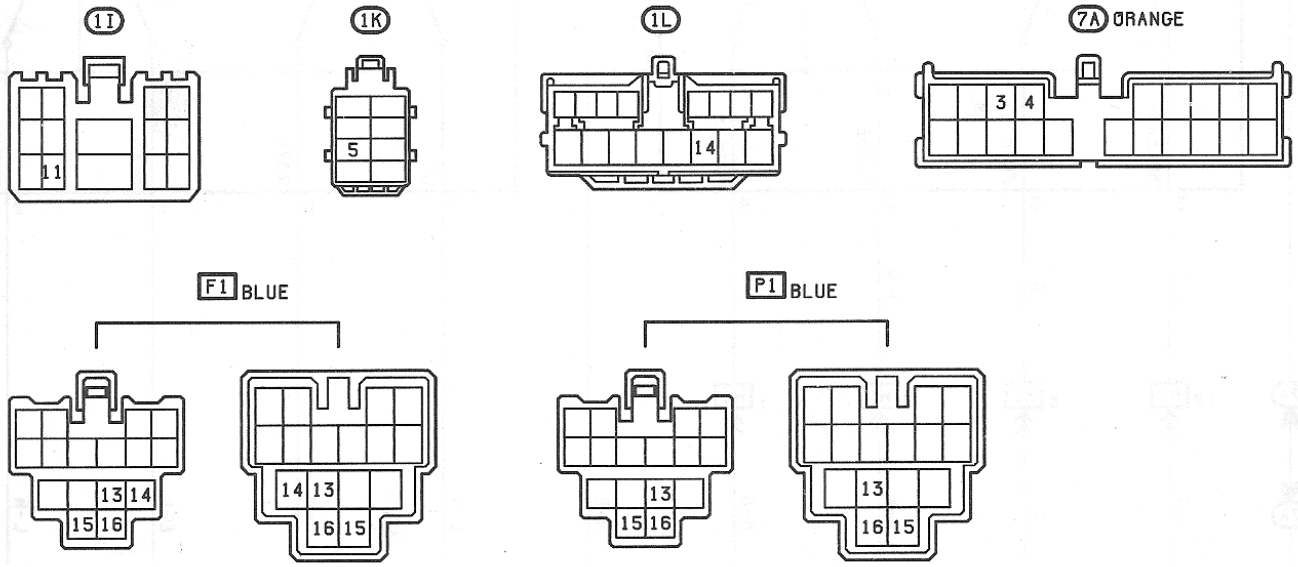
1-GROUND: 12 VOLTS WITH IGNITION S/W AT IG POSITION
5-GROUND: ALWAYS CONTINUTY
2-GROUND: 12 VOLTS WITH IGNITION S/W ON AND MASTER S/W (DRIVER'S WINDOW) UP
6-GROUND: 12 VOLTS WITH IGNITION S/W ON AND MASTER S/W (DRIVER'S WINDOW) DOWN OR DOWNAUTO

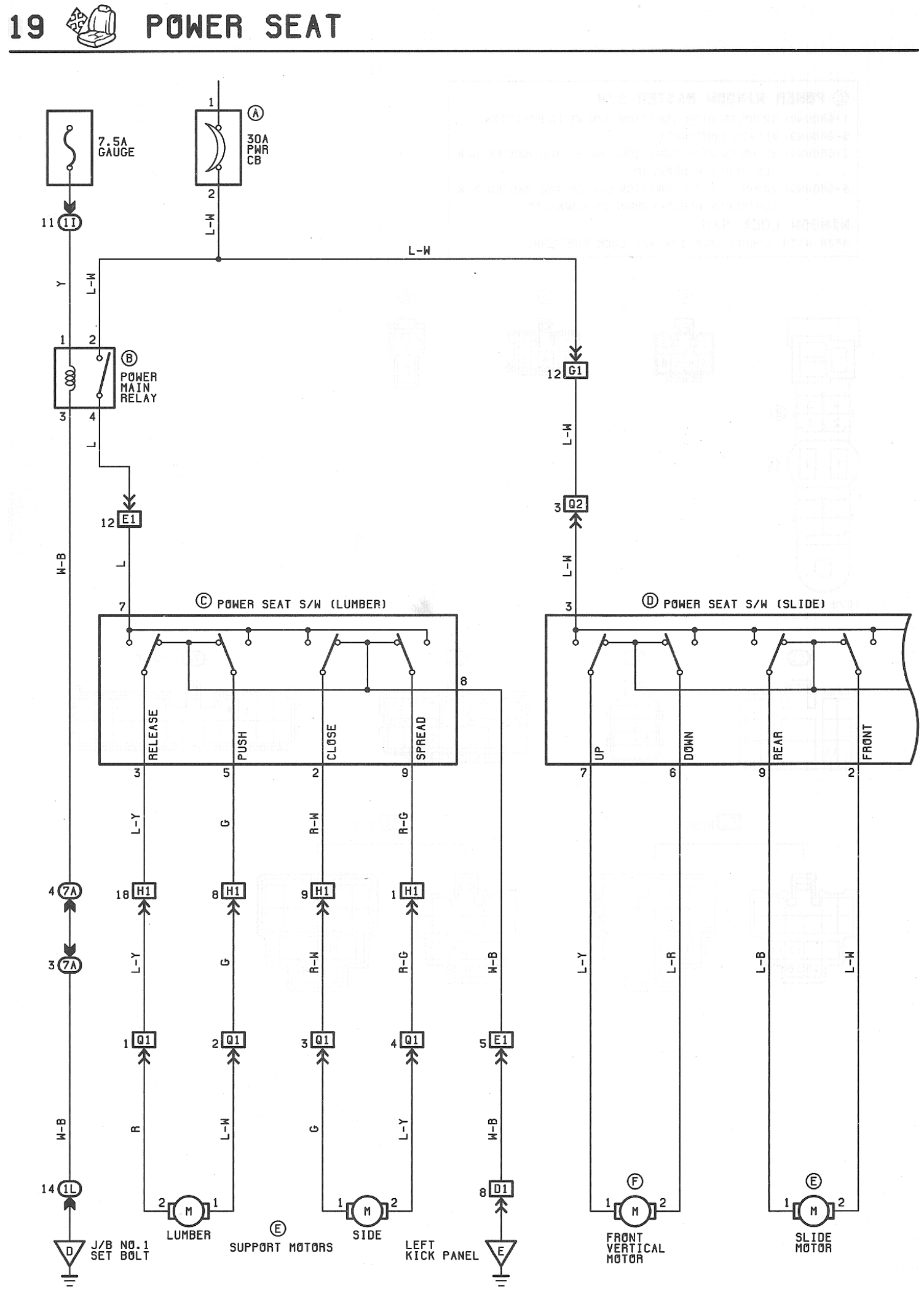
WINDOW LOCK S/W

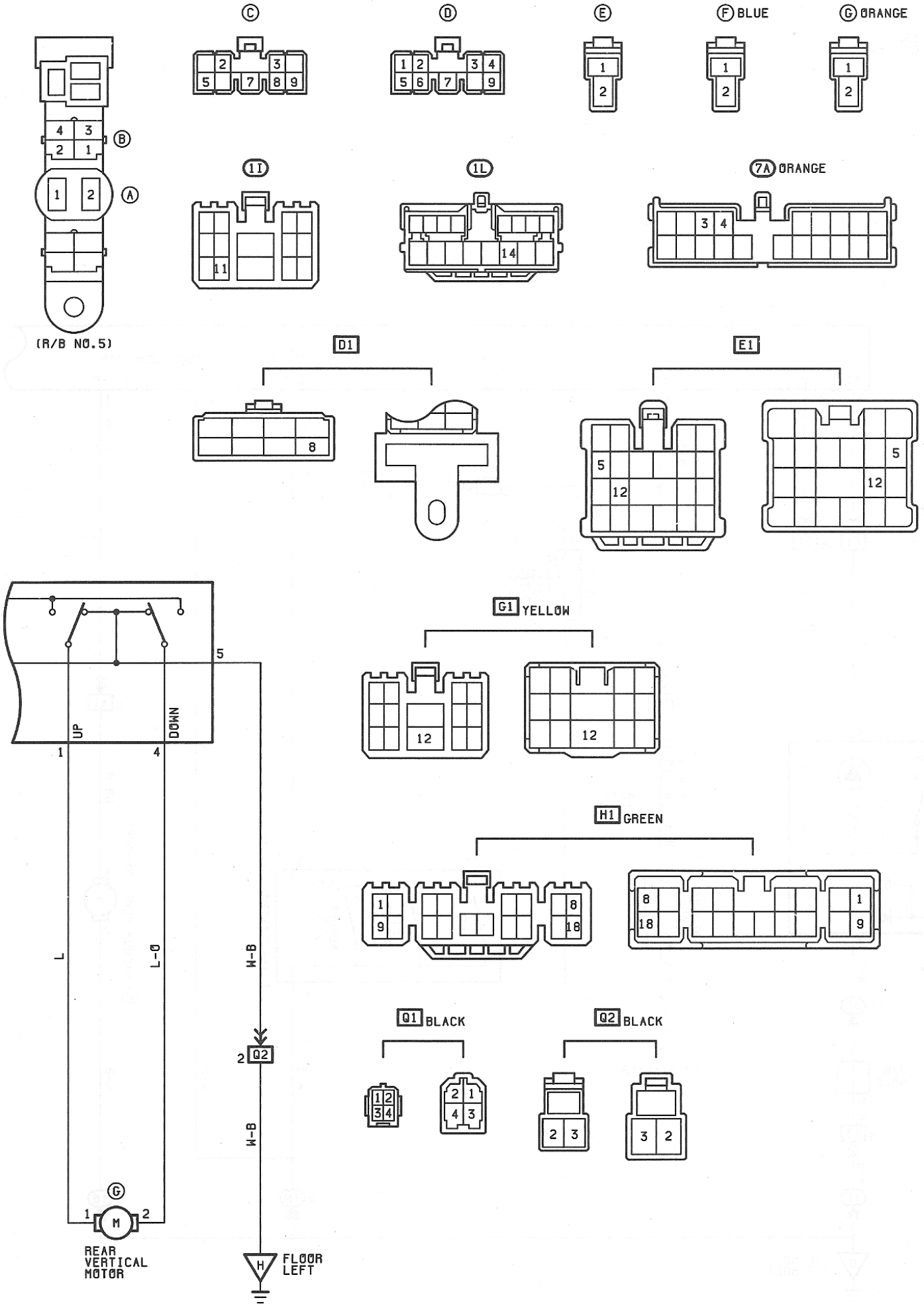
OPON WITH WINDOW LOCK S/W A/T LOCK POSITION

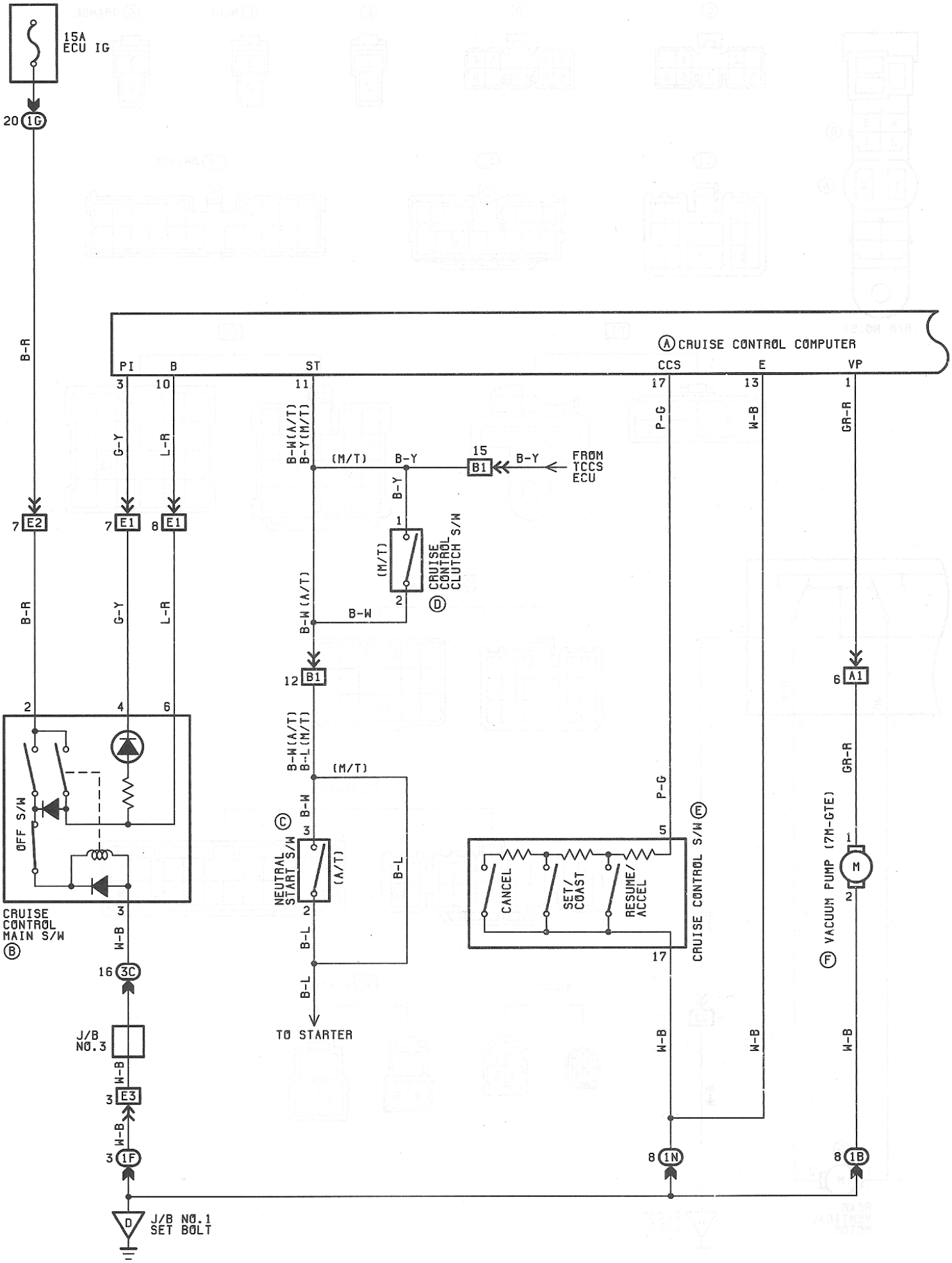


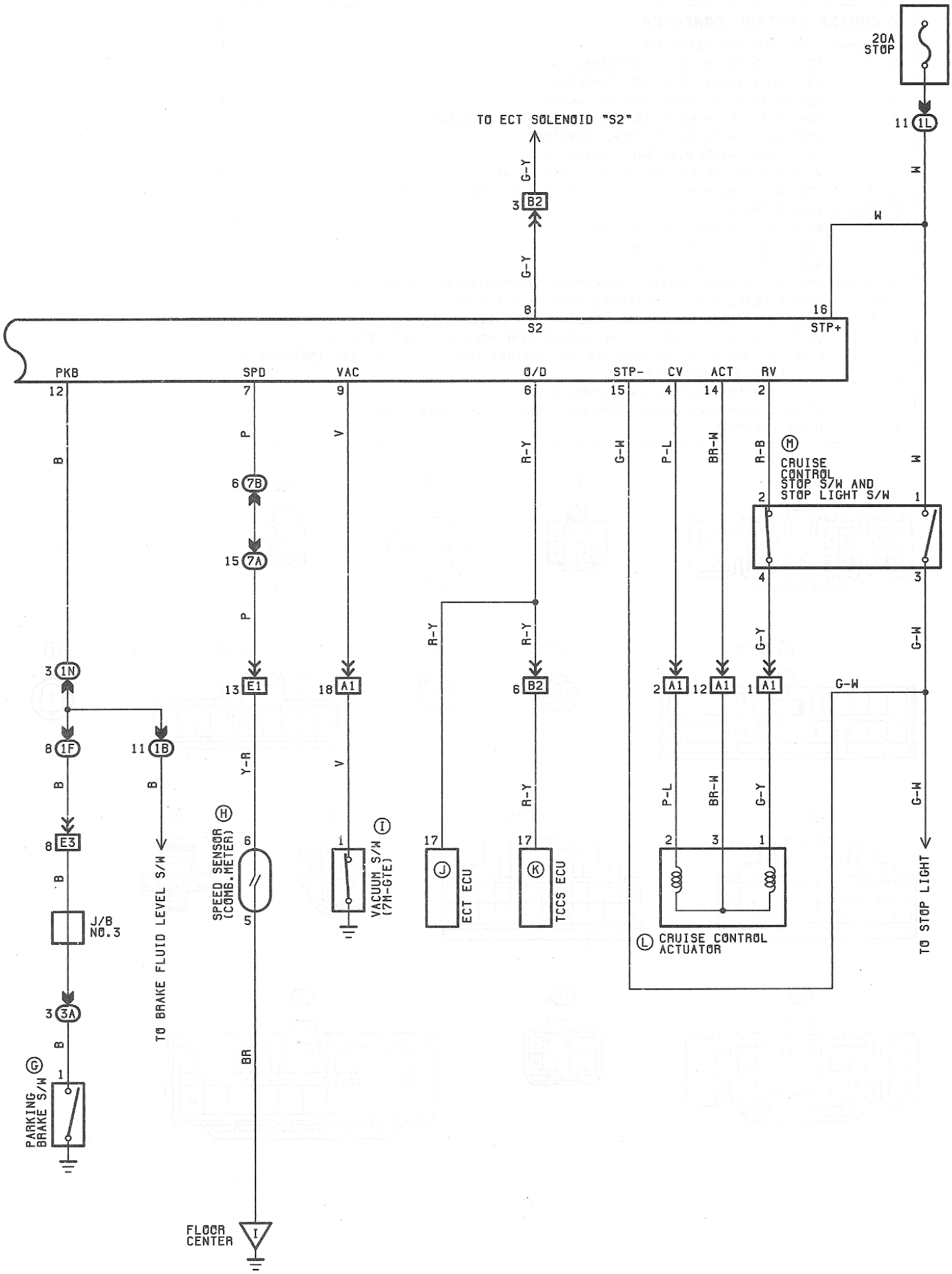
(R/B NO.5)




7.5A GAUGE
30A PWR CB
POWER MAIN RELAY
POWER SEAT S/W (LUMBER)
POWER SEAT S/W (SLIDE)
RELEASE
PUSH
CLOSE
SPREAD
UP
DOWN
REAR
FRONT
LUMBER
SIDE
SUPPORT MOTORS
FRONT VERTICAL MOTOR
SLIDE MOTOR
J/B NO.1 SET BOLT
LEFT KICK PANEL


C
D
E
F BLUE
G ORANGE
B
A
(R/B NO.5)
1I
1L
7A ORANGE
D1
E1
G1 YELLOW
H1 GREEN
Q1 BLACK
Q2 BLACK
UP
DOWN
L
L-O
W-B
W-B
Q2
G
M
REAR VERTICAL MOTOR
H
FLOOR LEFT


15A
ECU IG
20 1G
B-R
Ⓐ CRUISE CONTROL COMPUTER
PI
B
ST
CCS
E
VP
3
10
11
17
13
1
G-Y
L-R
B-W(A/T)
B-Y(M/T)
P-G
W-B
GR-R
(M/T)
B-Y
15 B1
FROM
TCCS
ECU
7 E2
7 E1
8 E1
CRUISE
CONTROL
CLUTCH S/W
Ⓓ
B-W
B-W (A/T)
12 B1
6 A1
2
4
6
B-W(A/T)
B-L(M/T)
OFF S/W
Ⓒ
NEUTRAL
START S/W
(A/T)
B-L
CANCEL
SET/
COAST
RESUME/
ACCEL
CRUISE CONTROL S/W Ⓔ
5
17
VACUUM PUMP (7M-GTE)
Ⓕ
M
CRUISE
CONTROL
MAIN S/W
Ⓑ
16 3C
J/B
NO.3
3 E3
3 1F
8 1N
8 1B
TO STARTER
J/B NO.1
SET BOLT


20A
STOP
11 1L
W
TO ECT SOLENOID "S2"
G-Y
3 B2
G-Y
8
S2
16
STP+
PKB
SPD
VAC
O/D
STP-
CV
ACT
RV
12
7
9
6
15
4
14
2
B
P
V
R-Y
G-W
P-L
BR-W
R-B
M
CRUISE
CONTROL
STOP S/W AND
STOP LIGHT S/W
6 7B
15 7A
P
R-Y
R-Y
G-Y
G-W
3 1N
13 E1
18 A1
6 B2
2 A1
12 A1
1 A1
G-W
8 1F
11 1B
B
B
Y-R
V
R-Y
P-L
BR-W
G-Y
G-W
8 E3
B
H
SPEED SENSOR
(COMB.METER)
I
VACUUM S/W
(7M-GTE)
17
J
ECT ECU
17
K
TCCS ECU
2
3
1
L
CRUISE CONTROL
ACTUATOR
TO STOP LIGHT
J/B
NO.3
TO BRAKE FLUID LEVEL S/W
3 3A
B
BR
G
PARKING
BRAKE S/W
FLOOR
CENTER

Ⓐ CRUISE CONTROL COMPUTER

(DISCONNECT THE COMPUTER CONNECTOR)

2-14 : ∞Ω WITH BRAKE PEDAL DEPRESSED
68Ω WITH BRAKE PEDAL NOT DEPRESSED

4-14 : ALWAYS 30Ω (ACTUATOR CONTROL VALVE)

7-13 : CONTINUITY EACH 40CM (15.7IN.)(DRIVE VEHICLE SLOWRY)

11-13 : CONTINUITY WITH CLUTCH PEDAL DEPRESSED
(M/T) CONTINUITY WITH SHIFT LEVER IN
N OR P RANGE (A/T) (ONE OF THE CANCEL S/W)

12-13 : CONTINUITY WITH PKB LEVER PULL UP (ONE OF THE CANCEL S/W)

13-GROUND: ALWAYS CONTINUITY

17-13 : 68Ω WITH RESUME/ACCEL S/W ON
198Ω WITH SET/COAST S/W ON
418Ω WITH CANCEL S/W ON

9-GROUND: CONTINUITY WITH ENGINE VACUUM BELOW 170MMHG(6.69IN•HG,22.7KPA)

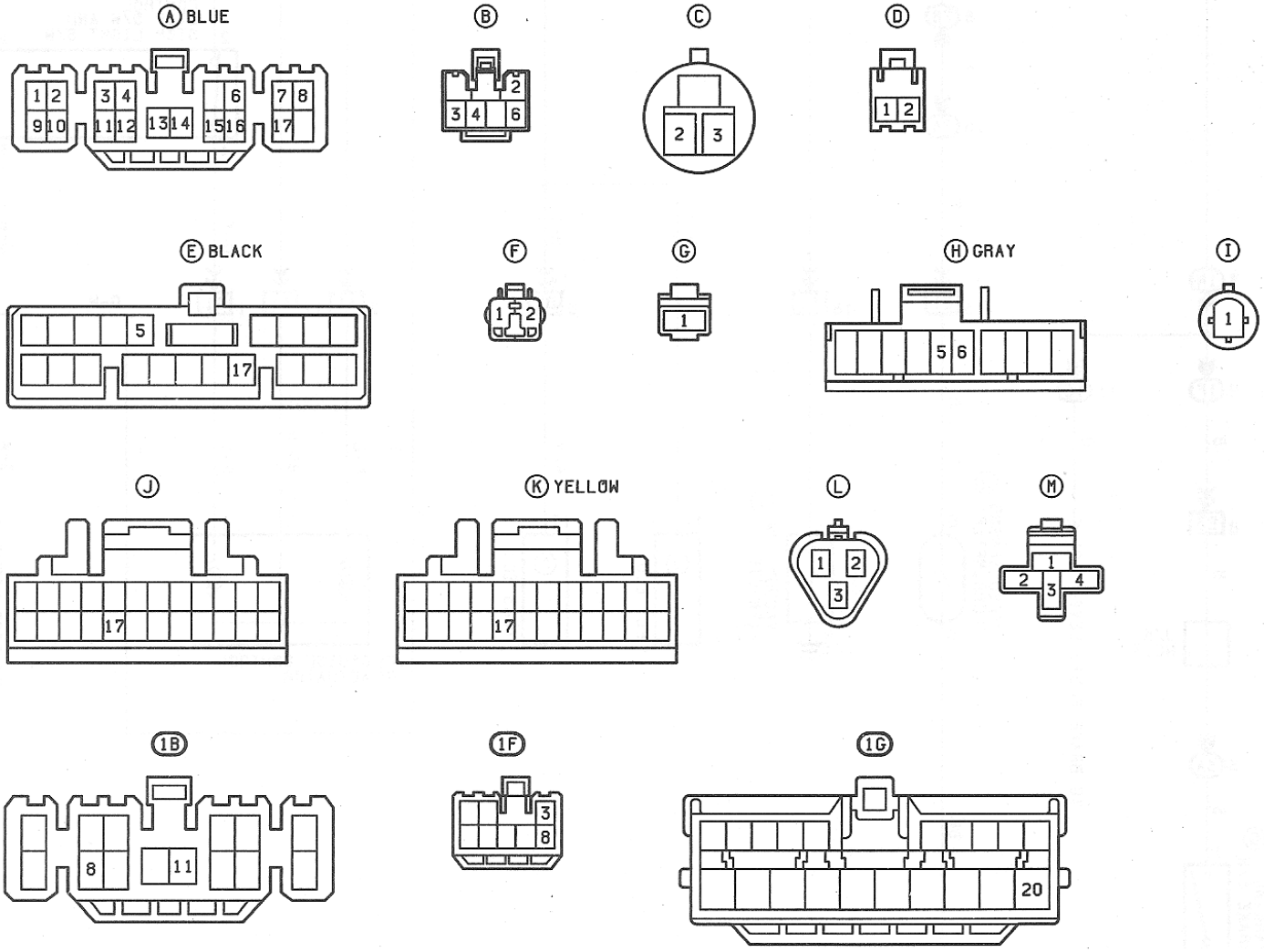
3-13 : APPROX.12VOLTS WITH IGNITION S/W ON,MAIN S/W ON

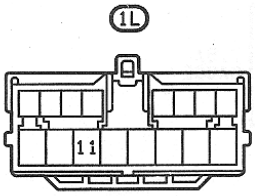
6-13 : 0VOLT WITH IGNITION S/W ON. COOLANT TEMP. BELOW 35°C(95°F)
12VOLTS WITH IGNITION S/W ON,COOLANT TEMP.MORE THAN 55°C(131°F)(2S-E)
5(12) VOLT(S) WITH IGNITION S/W ON. COOLANT TEMP. MORE THAN 70°C(158°F)(3S-G)
( ): AISIN ECT COMPUTER

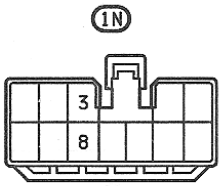
10-13 : 12VOLTS WITH IGNITION S/W ON,MAIN S/W ON

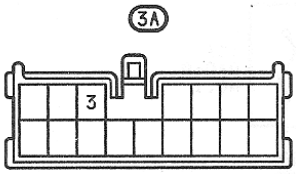
15-13 : 12VOLTS WITH BRAKE PEDAL DEPRESSED (ONE OF THE CANCEL S/W)

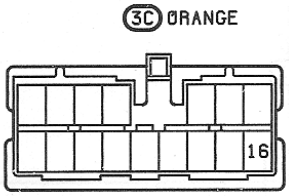
16-13 : ALWAYS 12VOLTS

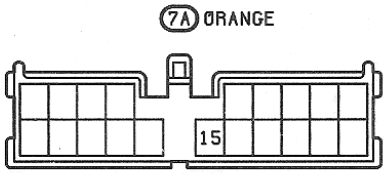


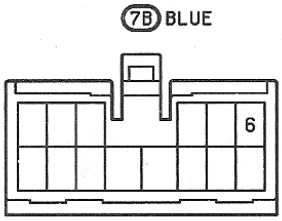

1L
11

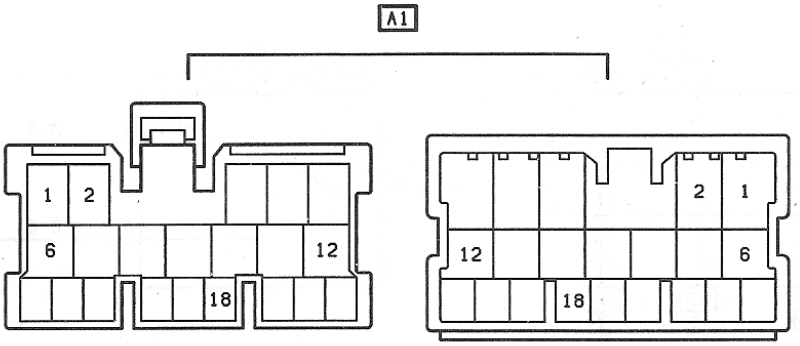

1N
3
8

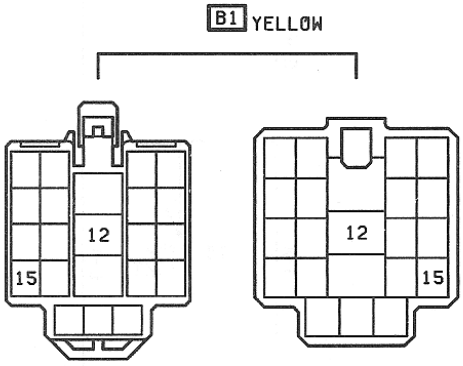

3A
3

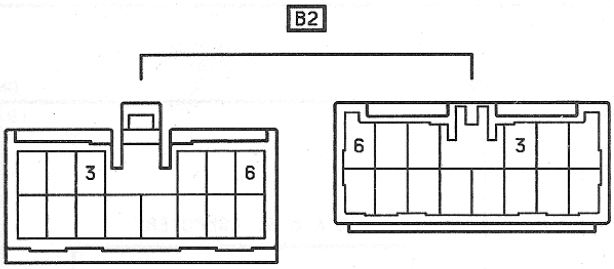

3C ORANGE
16

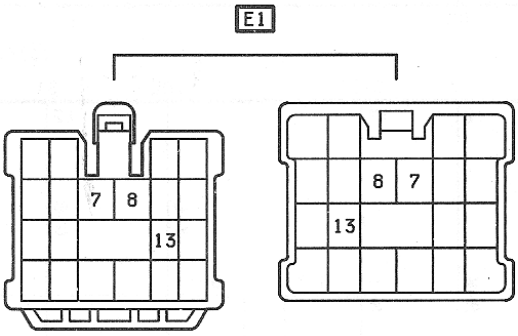

7A ORANGE
15

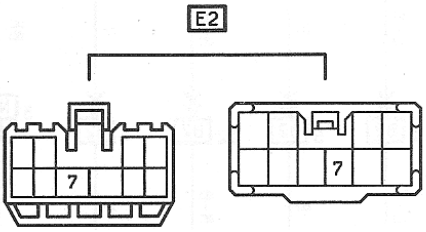

7B BLUE
6

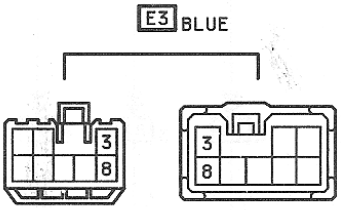

A1
1
2
6
12
18
2
1
12
6
18


B1 YELLOW
12
15
12
15

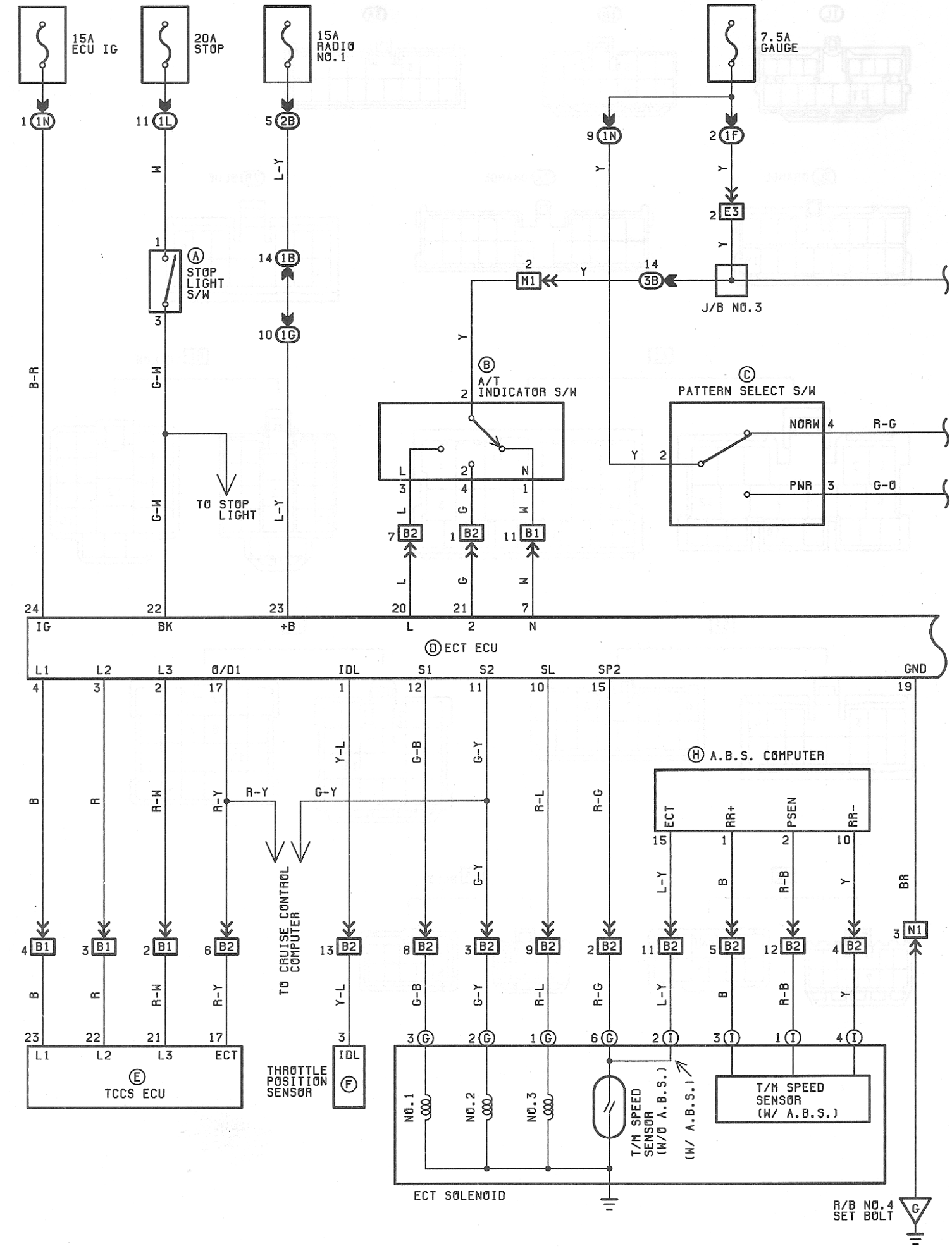

B2
3
6
6
3

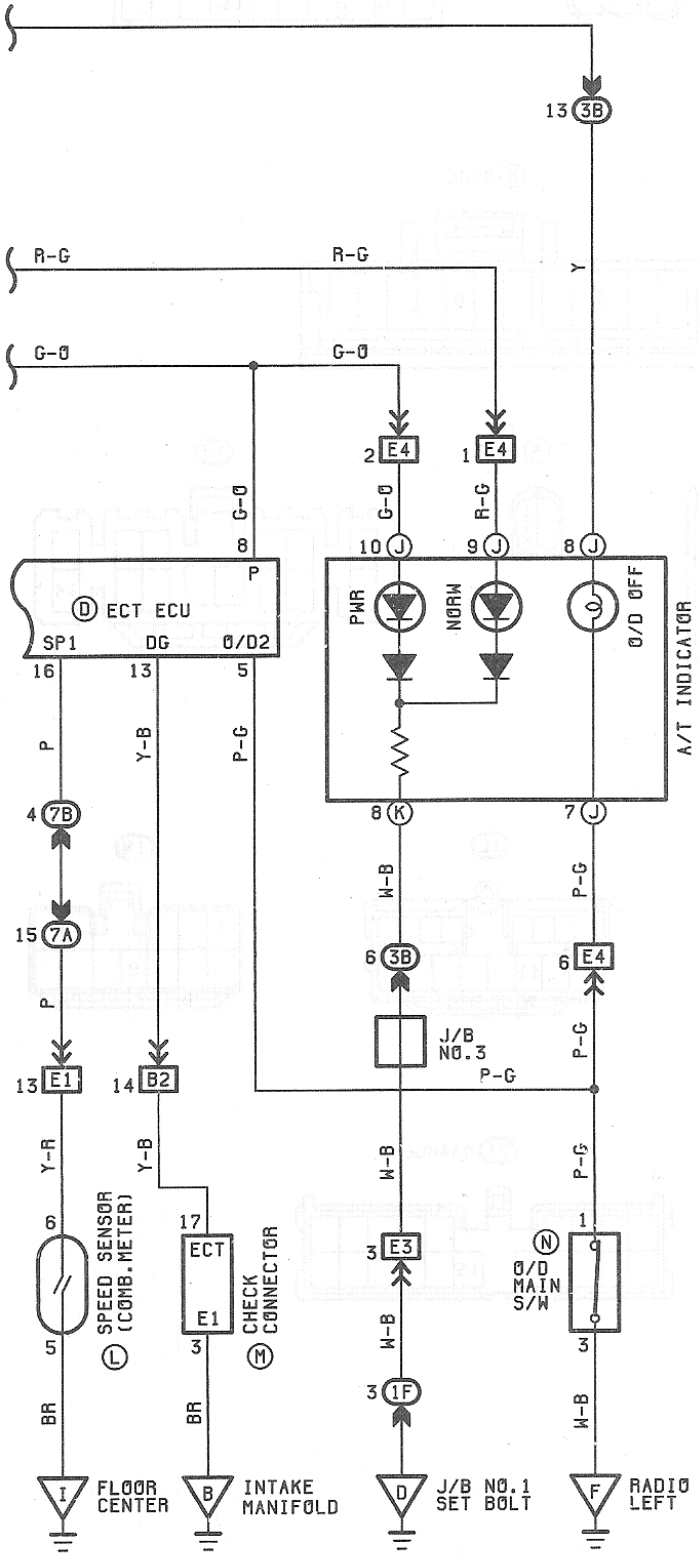

E1
7
8
13
8
7
13


E2
7
7


E3 BLUE
3
8
3
8

ECT SYSTEM


15A ECU IG
20A STOP
15A RADIO NO.1
7.5A GAUGE
STOP LIGHT S/W
TO STOP LIGHT
A/T INDICATOR S/W
PATTERN SELECT S/W
NORW
PWR
J/B NO.3
ECT ECU
IG
BK
+B
L
2
N
L1
L2
L3
O/D1
IDL
S1
S2
SL
SP2
GND
A.B.S. COMPUTER
ECT
RR+
PSEN
RR-
TO CRUISE CONTROL COMPUTER
TCCS ECU
THROTTLE POSITION SENSOR
ECT SOLENOID
NO.1
NO.2
NO.3
T/M SPEED SENSOR (W/O A.B.S.)
(W/ A.B.S.)
T/M SPEED SENSOR (W/ A.B.S.)
R/B NO.4 SET BOLT



Ⓑ A/T INDICATOR S/W

2-GROUND: 12 VOLTS WITH IGNITION S/W ON

Ⓓ ECT ECU

VOLTAGE AT ECT ECU

19-GROUND: ALWAYS CONTINUITY

2-GROUND: 5→0→5→0→5 VOLTS
3-GROUND: 5→0→5 VOLTS
4-GROUND: 5→0 VOLT
} (SLOWLY DEPRESS THE ACCEL PEDAL)

1-19 : 0 VOLT WITH THROTTLE VALVE FULLY CLOSED
4 VOLTS WITH THROTTLE VALVE OPENING ABOVE 1.5°

16-19 : 12 VOLTS OR 0 VOLT WITH STANDING STILL
6 VOLTS WITH ENGINE RUNNING. VEHICLE MOVING

22-19 : 12 VOLTS WITH BRAKE PEDAL DEPRESSED
0 VOLT WITH BRAKE PEDAL NOT DEPRESSED

21-19 : 9 TO 16 VOLTS WITH SHIFT LEVER AT 2 POSITION
0 TO 2 VOLTS WITH SHIFT LEVER AT EXCEPT 2 POSITION

20-19 : 9 TO 16 VOLTS WITH SHIFT LEVER AT L POSITION
0 TO 2 VOLTS WITH SHIFT LEVER AT EXCEPT L POSITION

12-19 : 12 VOLTS

10,11-19 : 0 VOLT

5-19 : 12 VOLTS WITH O/D MAIN S/W ON
0 VOLT WITH O/D MAIN S/W OFF

24-19 : 12 VOLTS WITH STANDING STILL

15-19 : 5(12) VOLTS WITH STANDING STILL
4(10) VOLTS WITH ENGINE RUNNING

8-19 : 12 VOLTS WITH PATTERN SELECT S/W AT PWR POSITION
1 VOLT WITH PATTERN SELECT S/W AT NORM POSITION

23-19 : 12 VOLTS

17-GROUND: 0 VOLT WITH COOLANT TEMP. 35-60°C (95-140°F)
5 VOLTS WITH COOLANT TEMP. MORE THAN 70°C (158°F)

(): AISIN COMPUTER

Ⓖ ECT SOLENOID

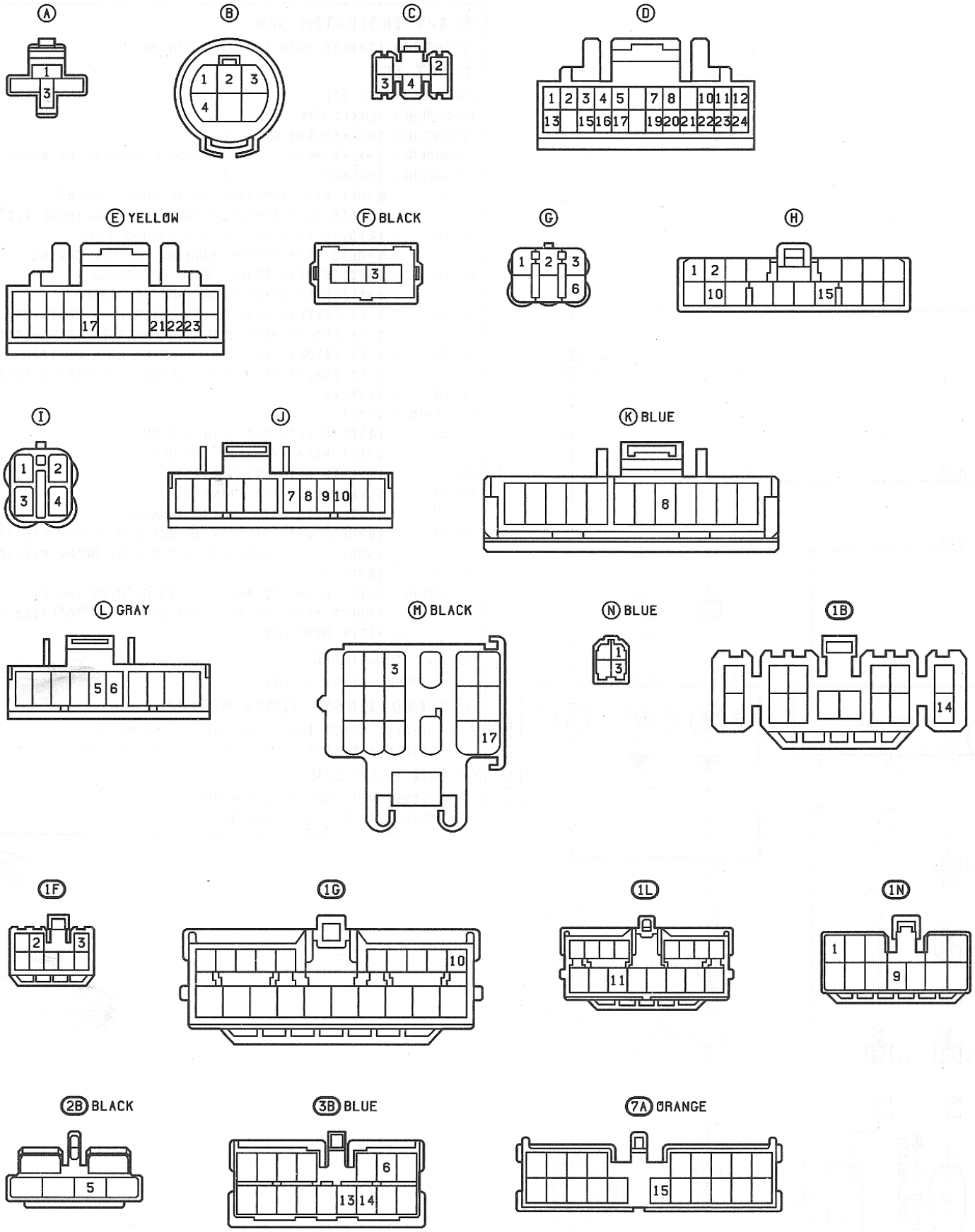
1,2,3-GROUND: EACH 11-15 Ω

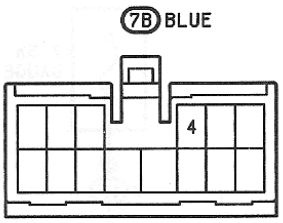
Ⓛ SPEED SENSOR (COMB. METER)

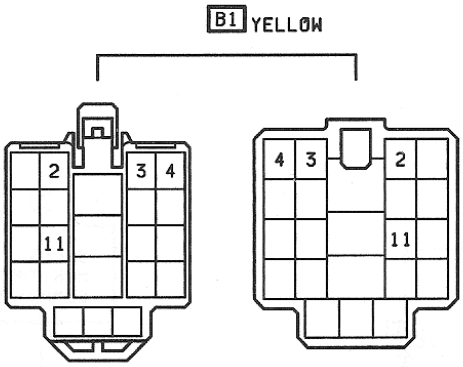
6-5: REVOLVE METER SHAFT AND CHECK THAT METER NEEDLE REPEATEDLY DEFLECTS FROM 0 Ω TO ∞ Ω

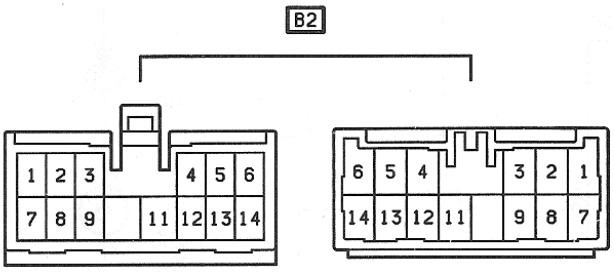
Ⓝ O/D MAIN S/W

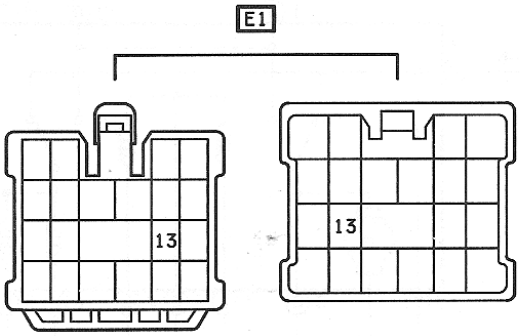
1-3: CLOSED WITH O/D MAIN S/W OFF
OPEN WITH O/D MAIN S/W ON

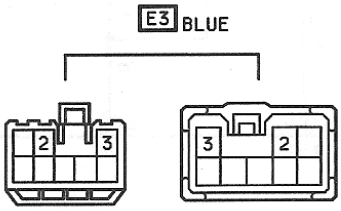

A
B
C
D
E YELLOW
F BLACK
G
H
I
J
K BLUE
L GRAY
M BLACK
N BLUE
1B
1F
1G
1L
1N
2B BLACK
3B BLUE
7A ORANGE

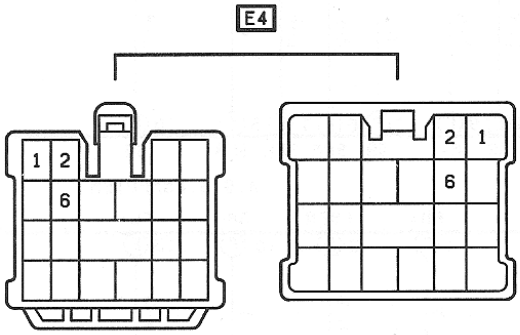

7B BLUE
4

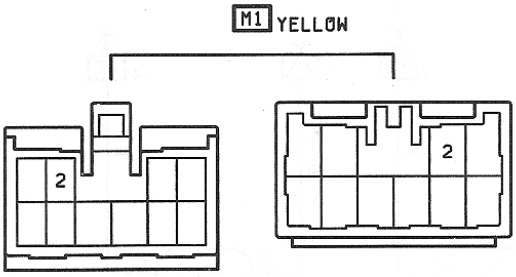

B1 YELLOW
2
3 4
11
4 3
2
11

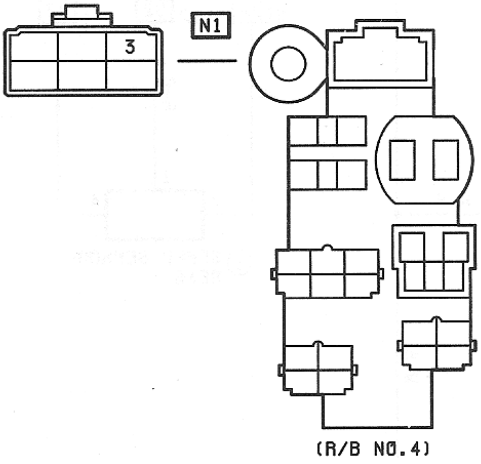

B2
1 2 3
4 5 6
7 8 9
11 12 13 14
6 5 4
3 2 1
14 13 12 11
9 8 7

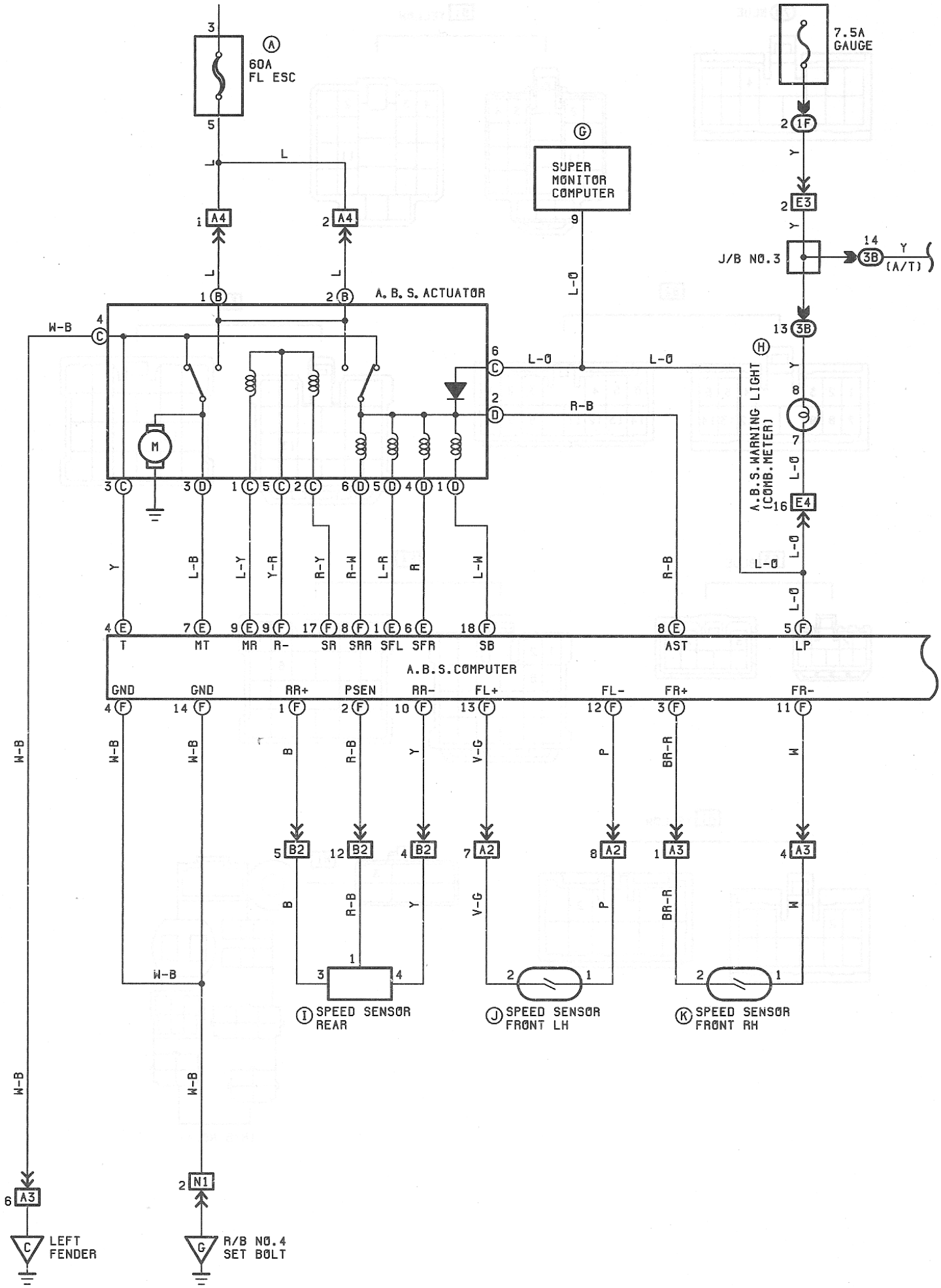

E1
13
13

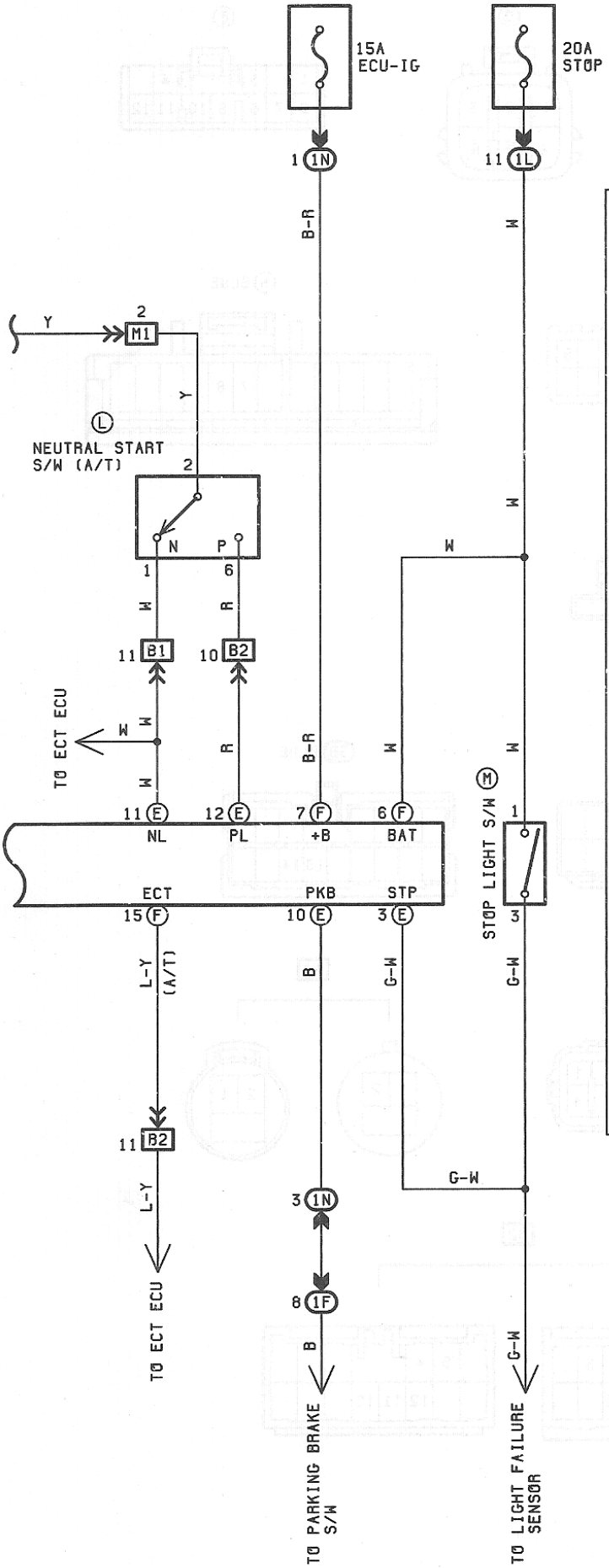

E3 BLUE
2
3
3
2


E4
1 2
6
2 1
6


M1 YELLOW
2
2


N1
3
(R/B NO.4)


60A
FL ESC
7.5A
GAUGE
SUPER
MONITOR
COMPUTER
J/B NO.3
(A/T)
A. B. S. ACTUATOR
A.B.S.WARNING LIGHT
(COMB.METER)
A.B.S.COMPUTER
T
MT
MR
R-
SR
SRR
SFL
SFR
SB
AST
LP
GND
GND
RR+
PSEN
RR-
FL+
FL-
FR+
FR-
SPEED SENSOR
REAR
SPEED SENSOR
FRONT LH
SPEED SENSOR
FRONT RH
LEFT
FENDER
R/B NO.4
SET BOLT



A.B.S.COMPUTER

(DISCONNECT THE COMPUTER CONNECTORS)

Ⓔ 1-GROUND, Ⓔ 6-GROUND: Ⓔ 6-GROUND, Ⓕ 2-GROUND: Ⓕ 5-GROUND, Ⓕ 7-GROUND: Ⓕ 8-GROUND, Ⓕ 18-GROUND:	APPROX.12 VOLTS WITH IGNITION S/W ON
Ⓔ 4-GROUND, Ⓔ 7-GROUND: Ⓔ 8-GROUND, Ⓕ 4-GROUND: Ⓕ 14-GROUND, Ⓕ 9-GROUND: Ⓕ 10-GROUND, Ⓕ 11-GROUND: Ⓕ 12-GROUND:	CONTINUITY (IGNITION S/W OFF)

Ⓔ 1 - Ⓔ 8 : APPROX.1 Ω

Ⓔ 3-GROUND: APPROX.12 VOLTS WITH BRAKE PEDAL DEPRESSED

Ⓔ 6 - Ⓔ 8 : APPROX.1 Ω

Ⓔ 9 - Ⓕ 9 : 50 - 80 Ω

Ⓔ 10-GROUND: APPROX.12 VOLTS WITH PARKING BRAKE LEVER NOT PULLED
APPPOX. 0 VOLT WITH PARKING BRAKE LEVER PULLED

Ⓔ 11-GROUND: APPROX.12 VOLTS WITH SHIFT LEVER N POSITION (A/T)

Ⓔ 12-GROUND: APPROX.12 VOLTS WITH SHIFT LEVER P POSITION (A/T)

Ⓕ 1 - Ⓕ 10 : 500 Ω - 6 KΩ

Ⓕ 3 - Ⓕ 11 : 0.3 - 1.3 KΩ

Ⓕ 6-GROUND: ALWAYS 12 VOLTS

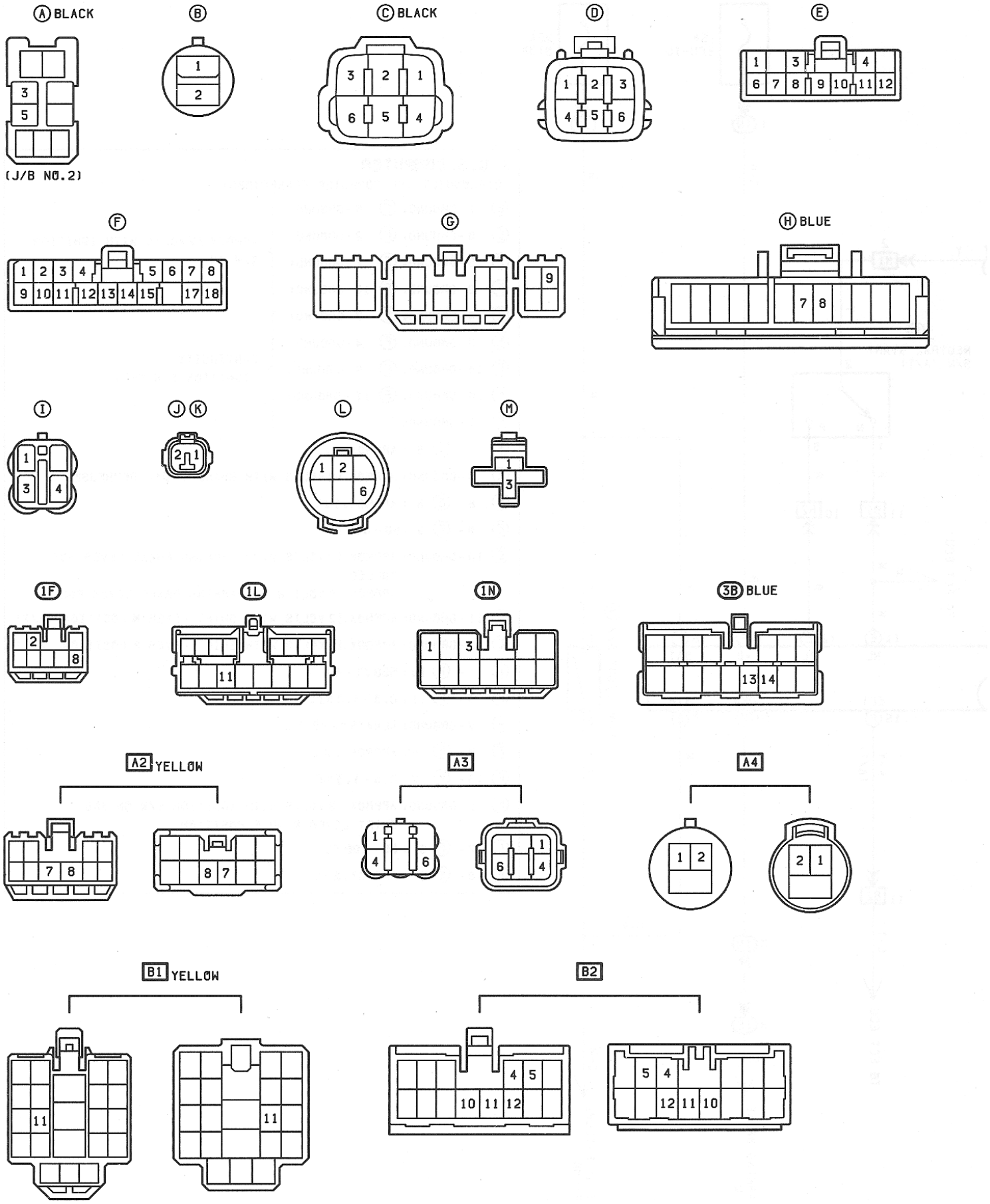
Ⓕ 8 - Ⓔ 8 : APPROX.1 Ω

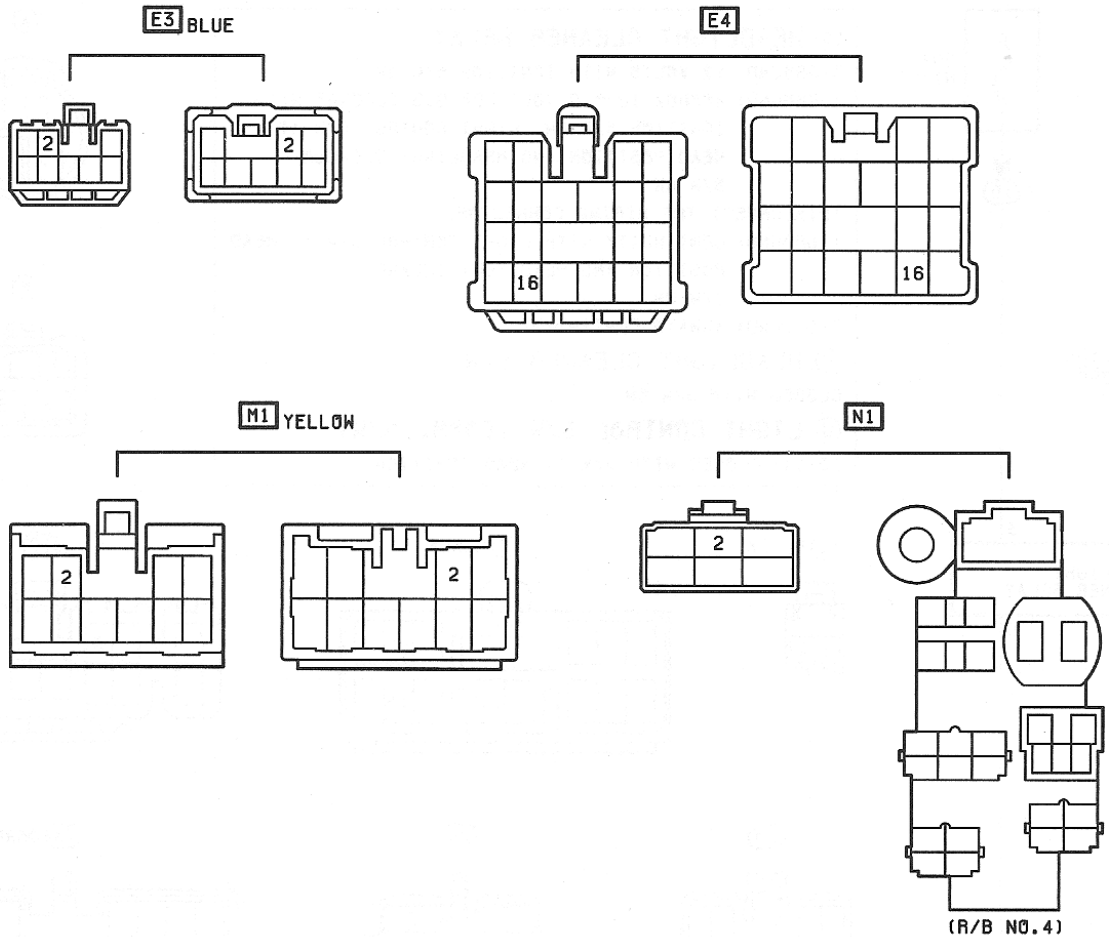
Ⓕ 13 - Ⓕ 12 : 0.8 - 1.3 KΩ

Ⓕ 15-GROUND: APPROX. 5 VOLTS WITH IGNITION S/W ON AND SHIFT LEVER N OR P POSITION

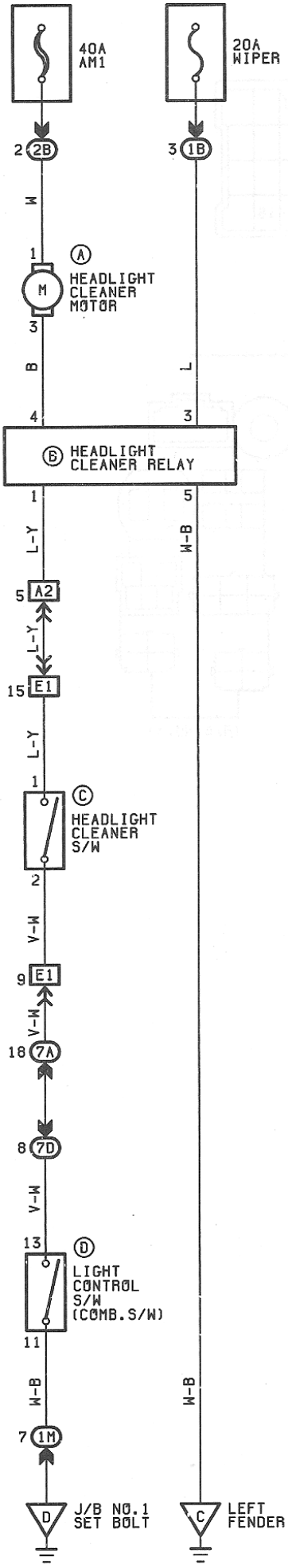
Ⓕ 17 - Ⓕ 9 : 65 - 100 Ω

Ⓕ 18 - Ⓔ 8 : APPROX.2 Ω


A BLACK
(J/B NO.2)
B
C BLACK
D
E
F
G
H BLUE
I
J K
L
M
1F
1L
1N
3B BLUE
A2 YELLOW
A3
A4
B1 YELLOW
B2


E3 BLUE
2
2
E4
16
16
M1 YELLOW
2
2
N1
2
(R/B NO.4)

23 HEADLIGHT CLEANER



B HEADLIGHT CLEANER RELAY

3-GROUND: 12 VOLTS WITH IGNITION S/W ON

4-GROUND: APPROX 12 → 0 VOLT FOR 0.5 SECONDS WITH IGNITION S/W ON, LIGHT CONTROL S/W AT HEAD POSITION AND HEADLIGHT CLEANER S/W ON

(DISCONNECT THE WIRING CONNECTOR)

1-GROUND: CONTINUITY WITH LIGHT CONTROL S/W AT HEAD POSITION AND HEADLIGHT CLEANER S/W ON

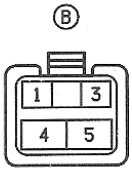
5-GROUND: ALWAYS CONTINUITY

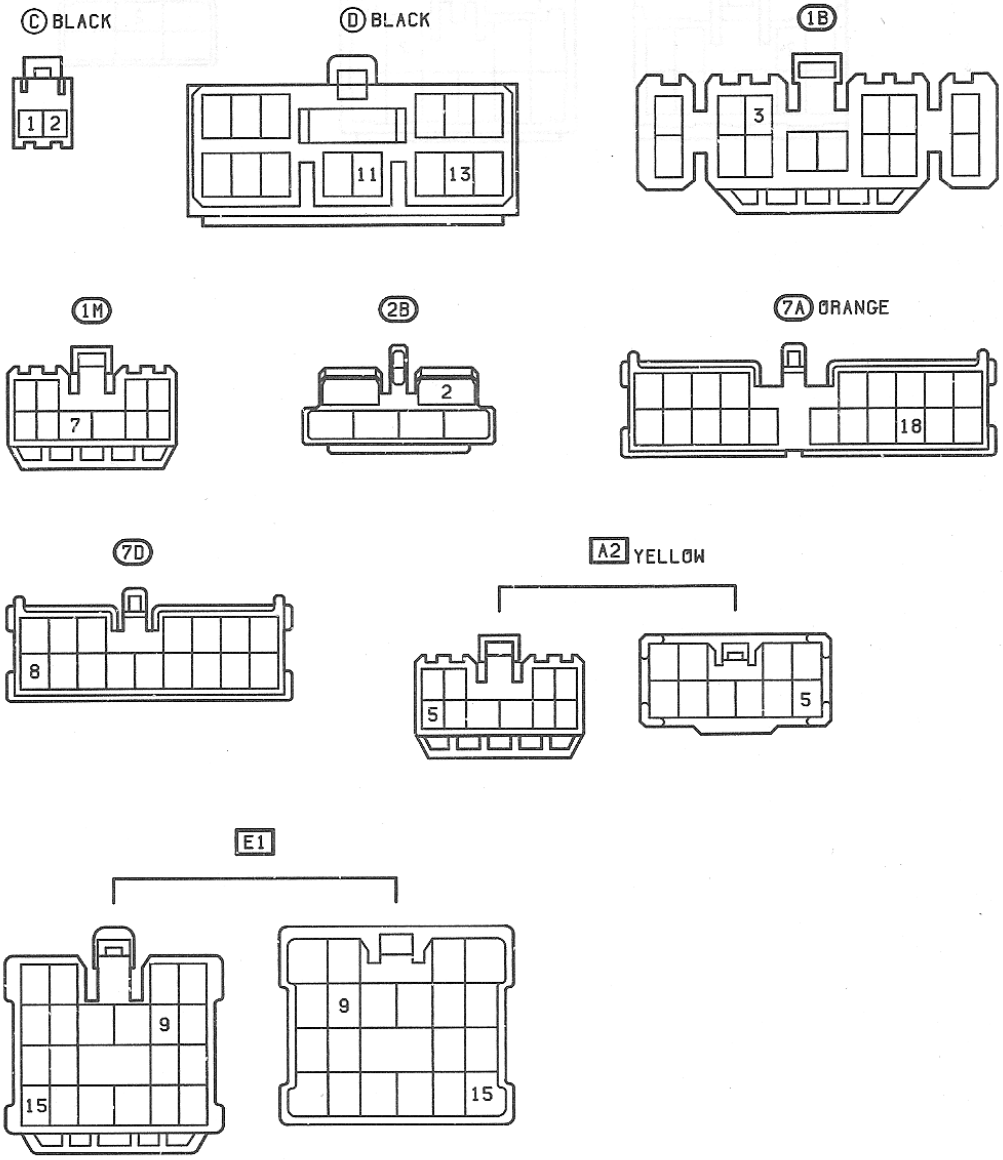
C HEADLIGHT CLEANER S/W

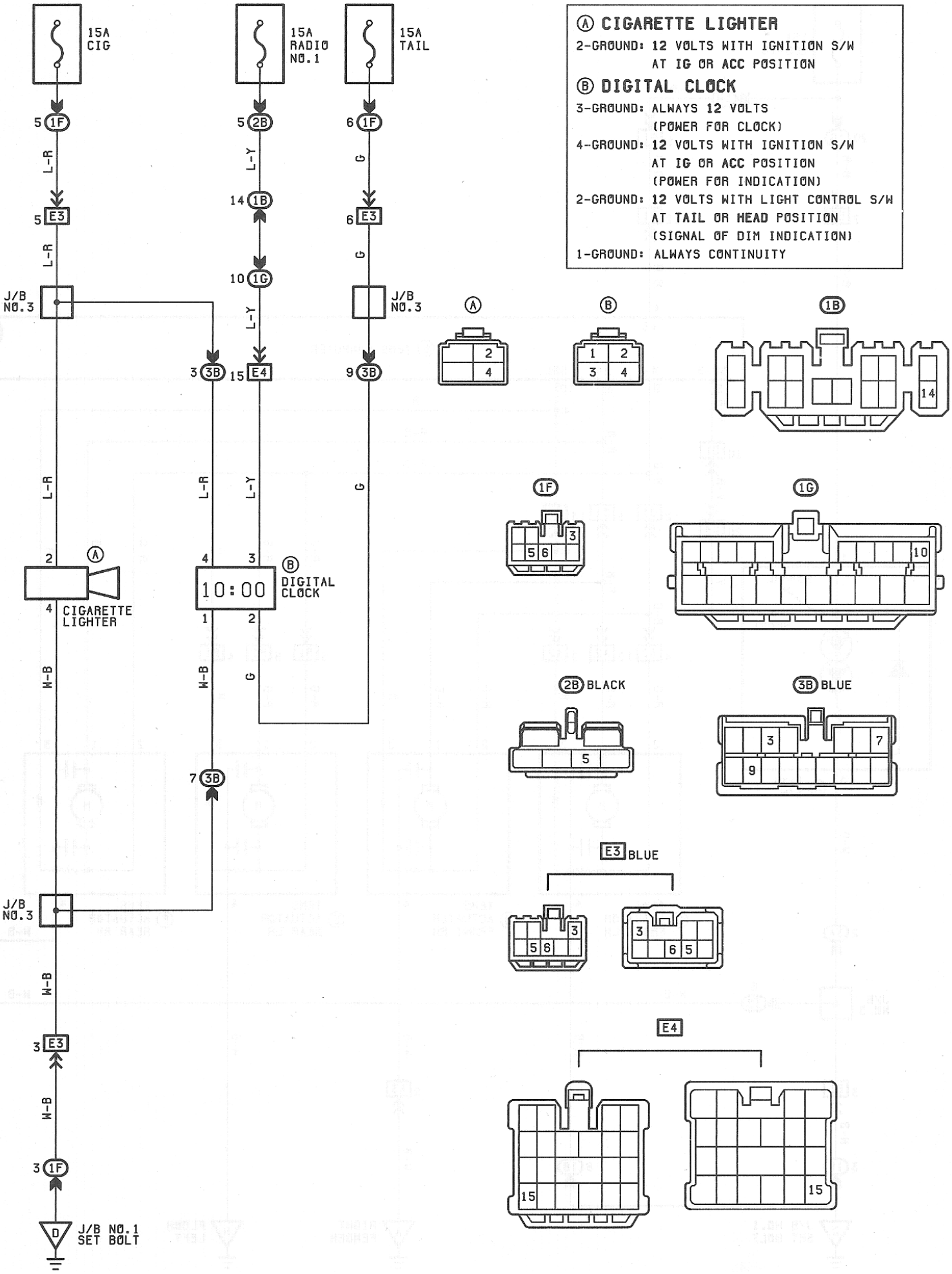
CLOSED WITH S/W ON

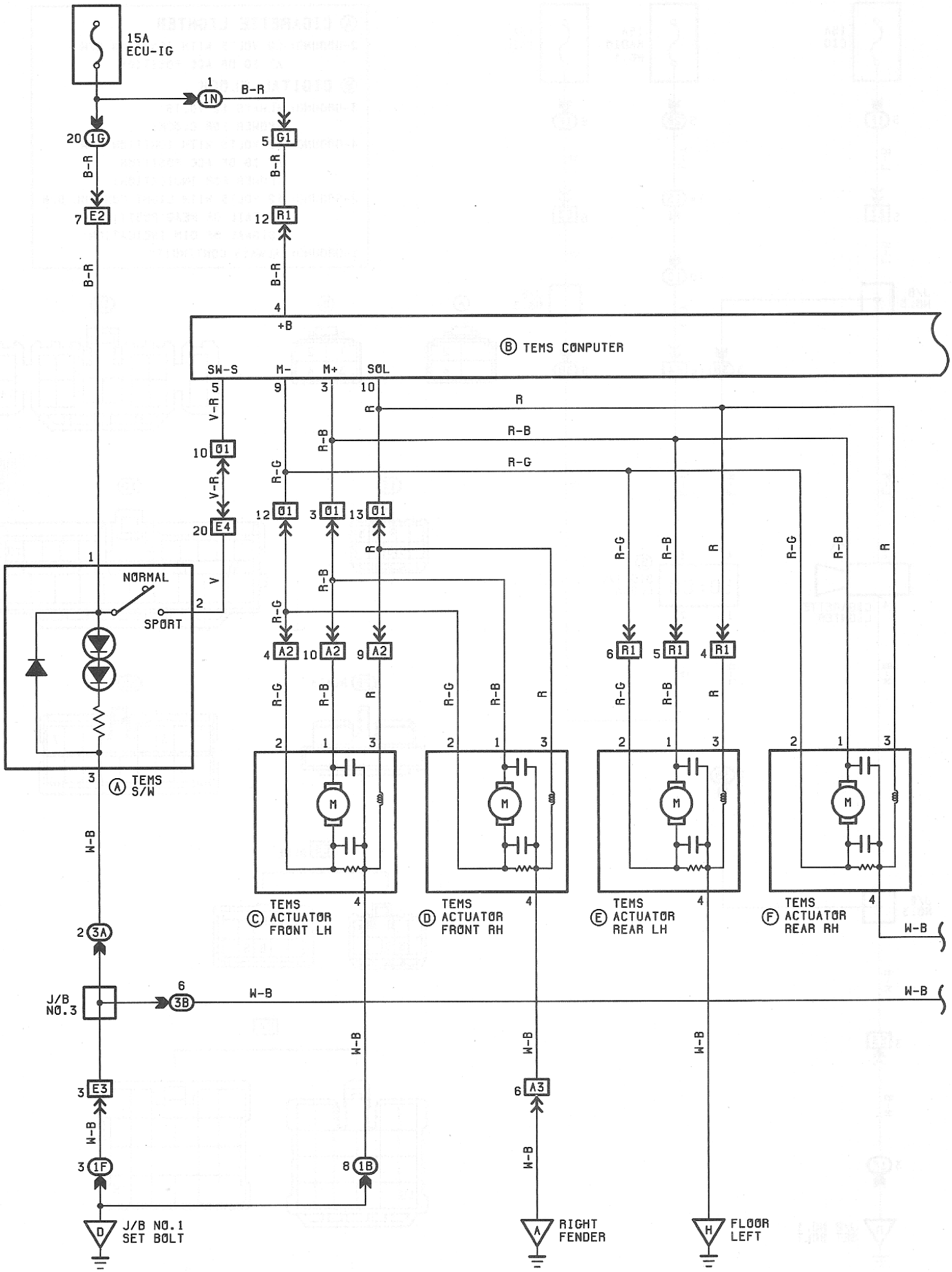
D LIGHT CONTROL S/W (COMB. S/W)

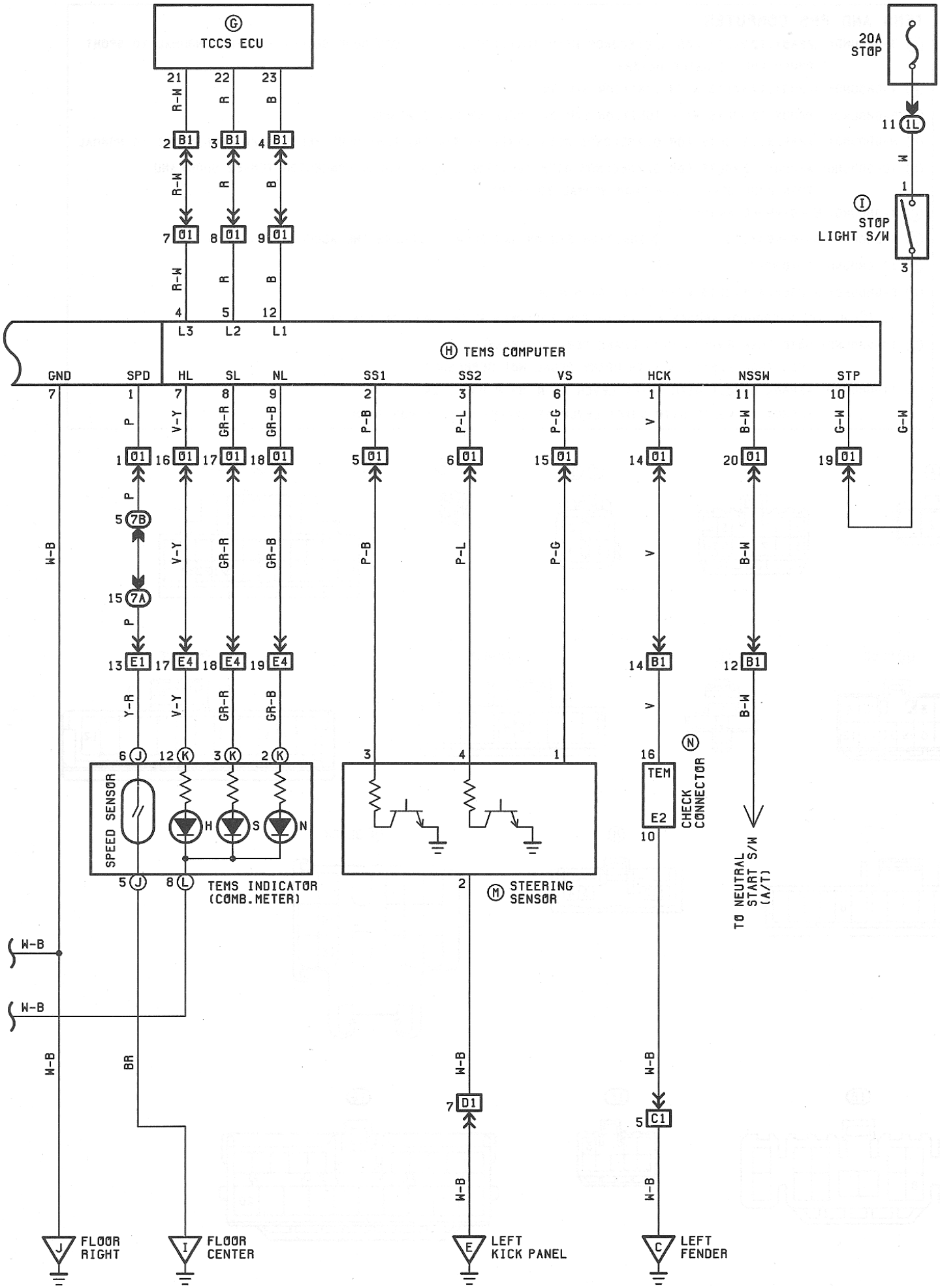
13-11: CLOSED WITH S/W AT HEAD POSITION






15A CIG
15A RADIO NO.1
15A TAIL
5 1F
5 2B
6 1F
L-R
L-Y
G
5 E3
14 1B
6 E3
L-R
G
10 1G
J/B NO.3
J/B NO.3
L-Y
3 3B
15 E4
9 3B
L-R
L-R
L-Y
G
2
A
4
3
B
10:00
DIGITAL CLOCK
4 CIGARETTE LIGHTER
1
2
W-B
W-B
G
7 3B
J/B NO.3
W-B
3 E3
W-B
3 1F
D
J/B NO.1 SET BOLT
A CIGARETTE LIGHTER
2-GROUND: 12 VOLTS WITH IGNITION S/W AT IG OR ACC POSITION
B DIGITAL CLOCK
3-GROUND: ALWAYS 12 VOLTS (POWER FOR CLOCK)
4-GROUND: 12 VOLTS WITH IGNITION S/W AT IG OR ACC POSITION (POWER FOR INDICATION)
2-GROUND: 12 VOLTS WITH LIGHT CONTROL S/W AT TAIL OR HEAD POSITION (SIGNAL OF DIM INDICATION)
1-GROUND: ALWAYS CONTINUITY
A
B
1B
1F
1G
2B BLACK
3B BLUE
E3 BLUE
E4


15A
ECU-IG
1N
B-R
1G
G1
E2
R1
+B
Ⓑ TEMS COMPUTER
SW-S
M-
M+
SOL
V-R
O1
E4
R
R-B
R-G
NORMAL
SPORT
V
A2
R1
Ⓐ TEMS S/W
W-B
Ⓒ TEMS ACTUATOR FRONT LH
Ⓓ TEMS ACTUATOR FRONT RH
Ⓔ TEMS ACTUATOR REAR LH
Ⓕ TEMS ACTUATOR REAR RH
3A
J/B NO.3
3B
E3
A3
1F
1B
Ⓓ J/B NO.1 SET BOLT
Ⓐ RIGHT FENDER
Ⓗ FLOOR LEFT


G TCCS ECU
20A STOP
11 1L
W
1
I STOP LIGHT S/W
3
21 22 23
R-W R B
2 B1 3 B1 4 B1
7 01 8 01 9 01
4 5 12
L3 L2 L1
H TEMS COMPUTER
GND SPD HL SL NL SS1 SS2 VS HCK NSSW STP
7 1 7 8 9 2 3 6 1 11 10
P V-Y GR-R GR-B P-B P-L P-G V B-W G-W
1 01 16 01 17 01 18 01 5 01 6 01 15 01 14 01 20 01 19 01
5 7B
15 7A
13 E1 17 E4 18 E4 19 E4 14 B1 12 B1
Y-R V-Y GR-R GR-B V B-W
6 J 12 K 3 K 2 K 3 4 1 16 N
SPEED SENSOR
H S N
TEM E2
CHECK CONNECTOR
10
5 J 8 L
TEMS INDICATOR (COMB.METER)
2
M STEERING SENSOR
TO NEUTRAL START S/W (A/T)
W-B
BR
7 D1
5 C1
J FLOOR RIGHT
I FLOOR CENTER
E LEFT KICK PANEL
C LEFT FENDER

TEMS AND PPS COMPUTER

Ⓑ 3-GROUND: APPROX.12 VOLTS FOR 0.2 SECONDS WITH IGNITION S/W ON, TURN MODE SELECT S/W FROM NORMAL TO SPORT (POWER FOR ACTUATOR MOTOR)

Ⓑ 4-GROUND: APPROX.12 VOLTS WITH IGNITION S/W ON

Ⓑ 5-GROUND: APPROX.12 VOLTS WITH IGNITION S/W ON, MODE SELECT S/W SPORT

Ⓑ 9-GROUND: APPROX.12 VOLTS FOR 0.2 SECONDS WITH IGNITION S/W ON, TURN MODE SELECT S/W FROM SPORT TO NORMAL

Ⓑ 10-GROUND: APPROX.12 VOLTS FOR 0.2 SECONDS WITH IGNITION S/W ON, CHECK CONNECTOR TEM-E2 SHORT AND TURN MODE SELECT S/W FROM NORMAL TO SPORT

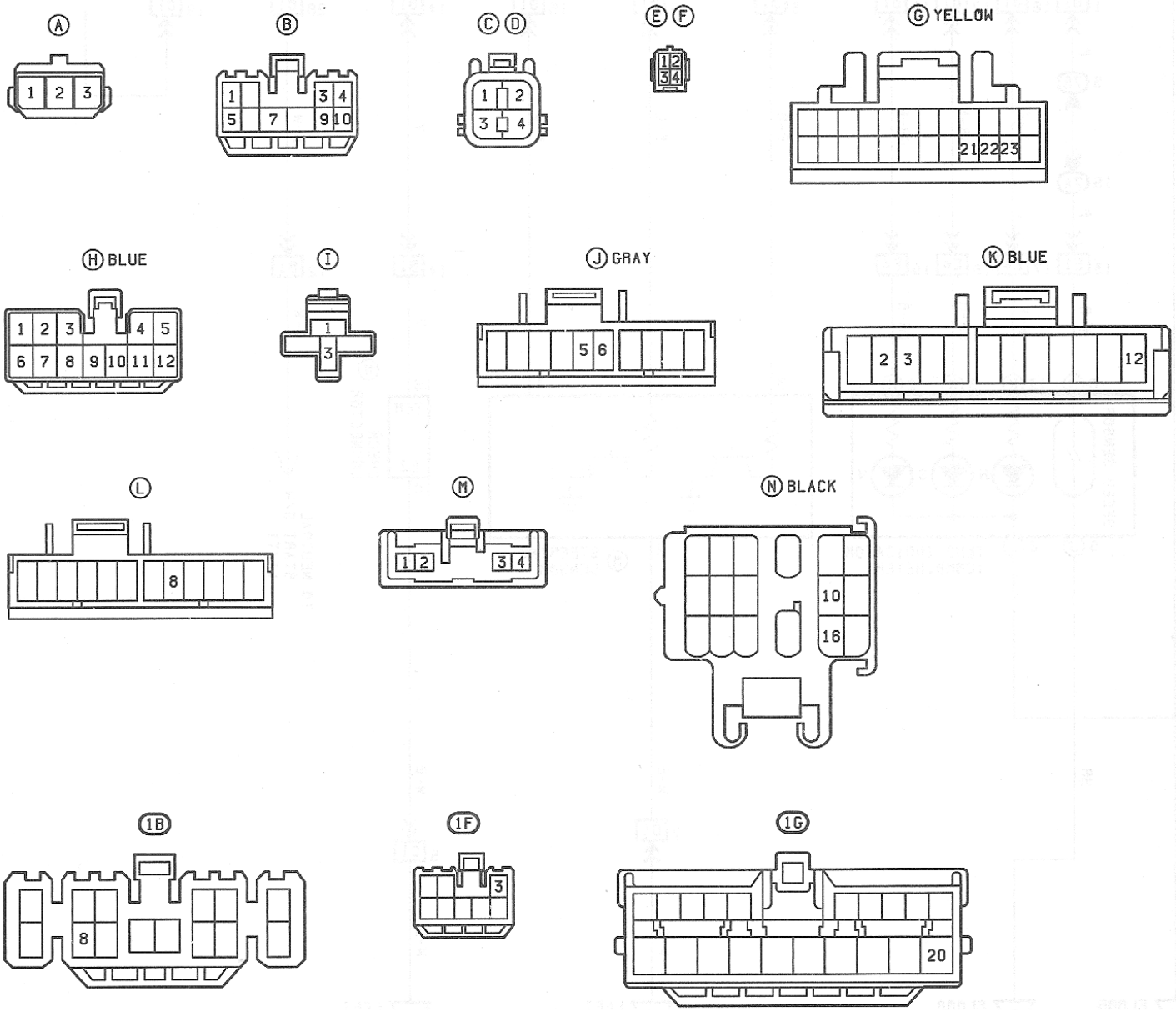
Ⓒ 4-GROUND: 5→0→5→0→5 VOLTS
Ⓒ 5-GROUND: 5→0→5 VOLTS
Ⓒ 12-GROUND: 5→0 VOLT
} IGNITION S/W ON AND SLOWLY DEPRESS THE ACCELERATOR PEDAL

Ⓒ 6-GROUND: APPROX.3.7 VOLTS WITH IGNITION S/W ON

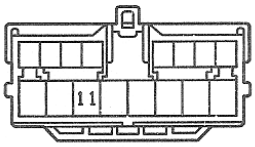
Ⓒ 7, Ⓒ 8, Ⓒ 9-GROUND: APPROX.6.5 VOLTS FOR 2 SECONDS WITH IGNITION S/W ON

Ⓒ 10-GROUND: MORE THAN 6 VOLTS WITH BRAKE PEDAL DEPRESSED
LESS THAN 1.5 VOLTS WITH BRAKE PEDAL NOT DEPRESSED

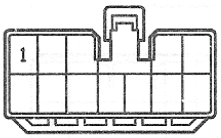
Ⓒ 11-GROUND: APPROX.0 VOLT WITH SHIFT LEVER AT N OR P POSITION
APPROX.12 VOLTS WITH SHIFT LEVER AT EXCEPT N OR P POSITION



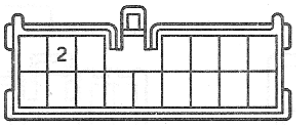
1L



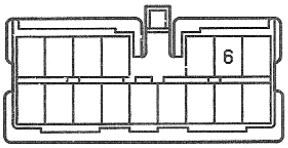
1N



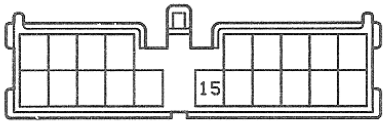
3A



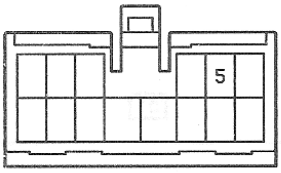
3B BLUE



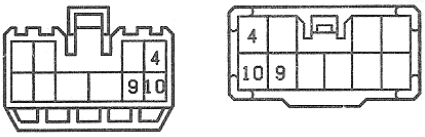
7A ORANGE



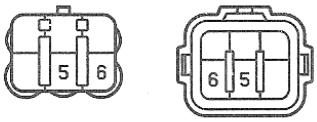
7B BLUE



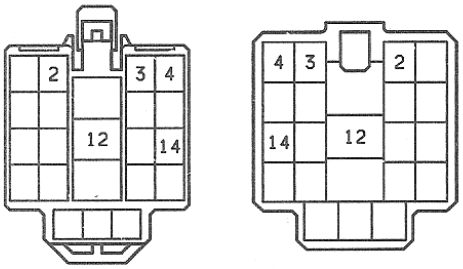
A2 YELLOW



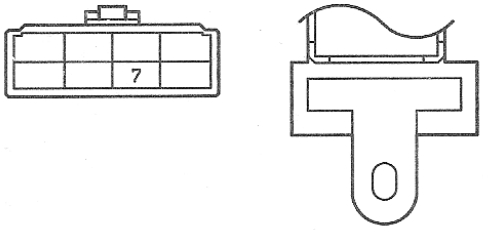
A3 C1



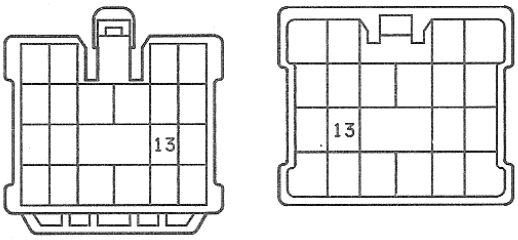
B1 YELLOW



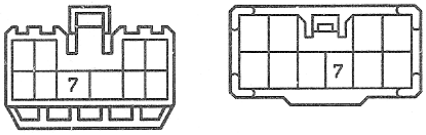
D1



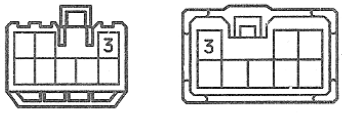
E1

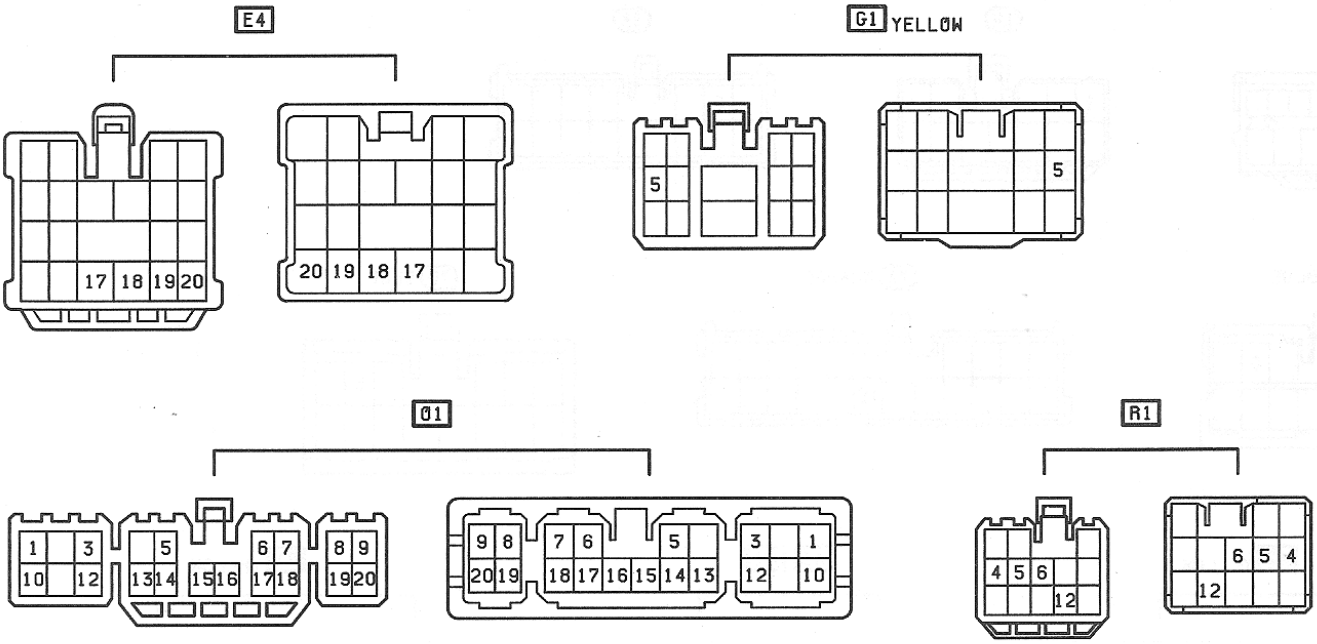


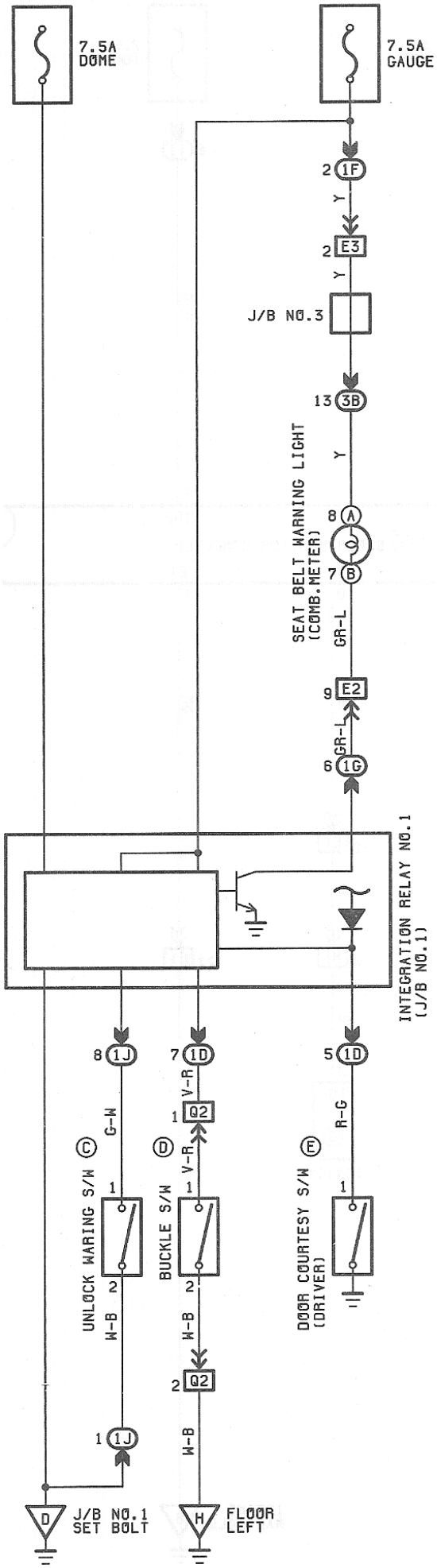
E2 BLUE



E3 BLUE




E4
17 18 19 20
20 19 18 17
G1 YELLOW
5
5
01
1 3
10 12
5
13 14 15 16
6 7
17 18
8 9
19 20
9 8
20 19
7 6
18 17 16 15 14 13
5
3 1
12 10
R1
4 5 6
12
6 5 4
12



INTEGRATION RELAY NO.1(J/B NO.1)

7.5A DOME FUSE:ALWAYS 12V

7.5A GAUGE FUSE: 12V WITH IGNITION S/W ON

Ⓒ UNLOCK WARNING S/W

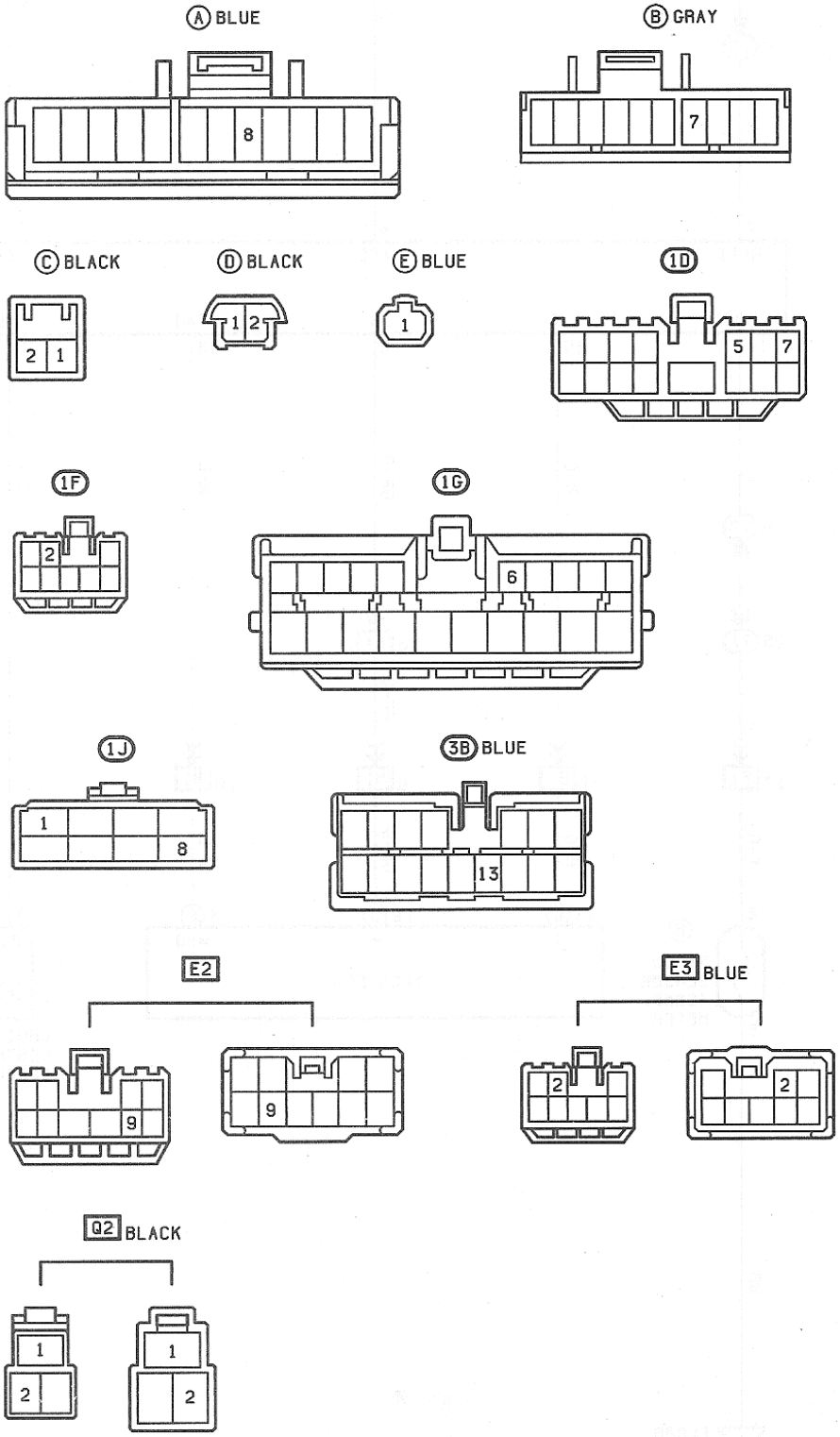
2-1:CLOSED WITH IGNITION KEY IN CYLINDER(FOR UNLOCK WARNING)

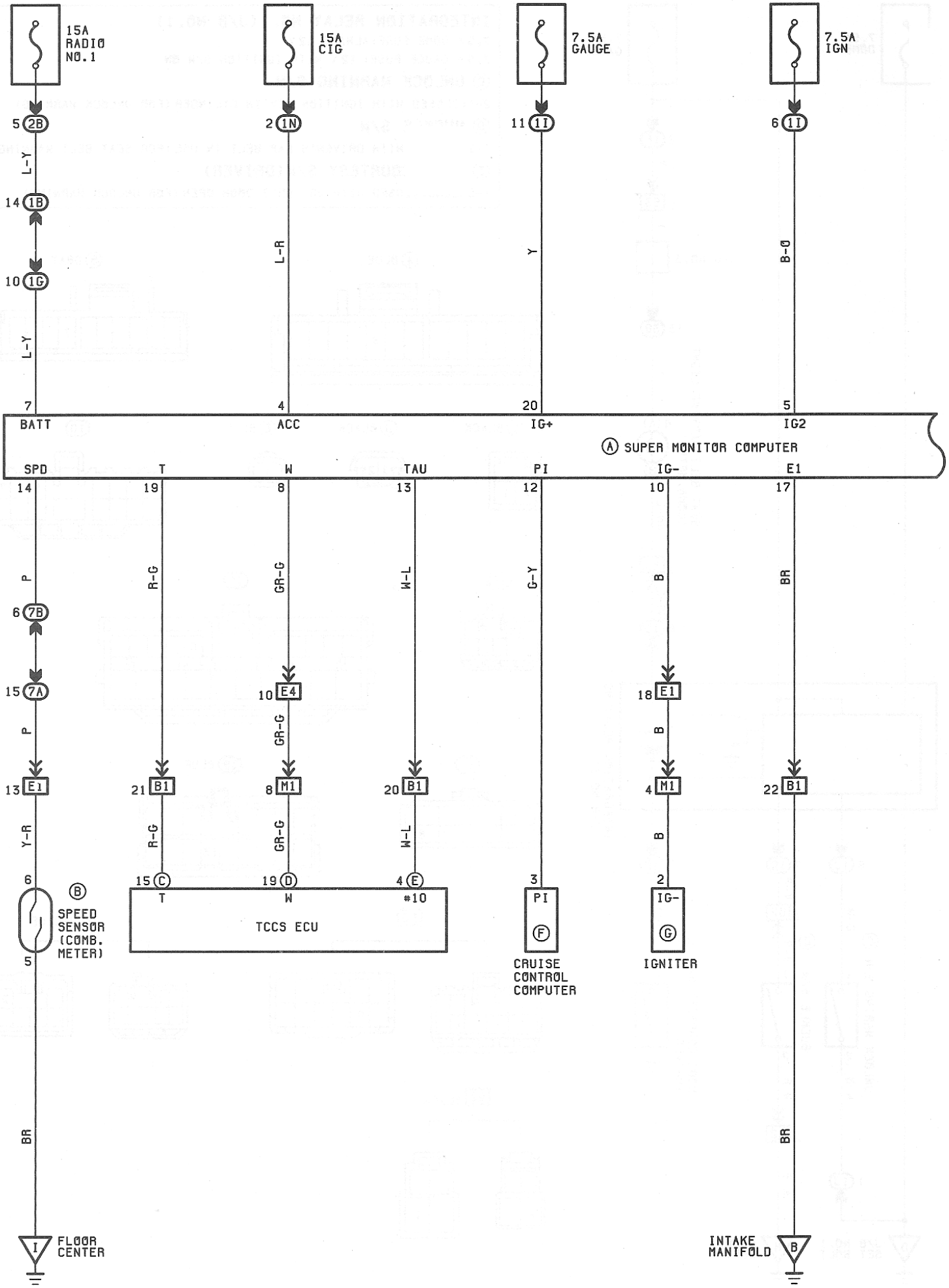
Ⓓ BUCKLE S/W

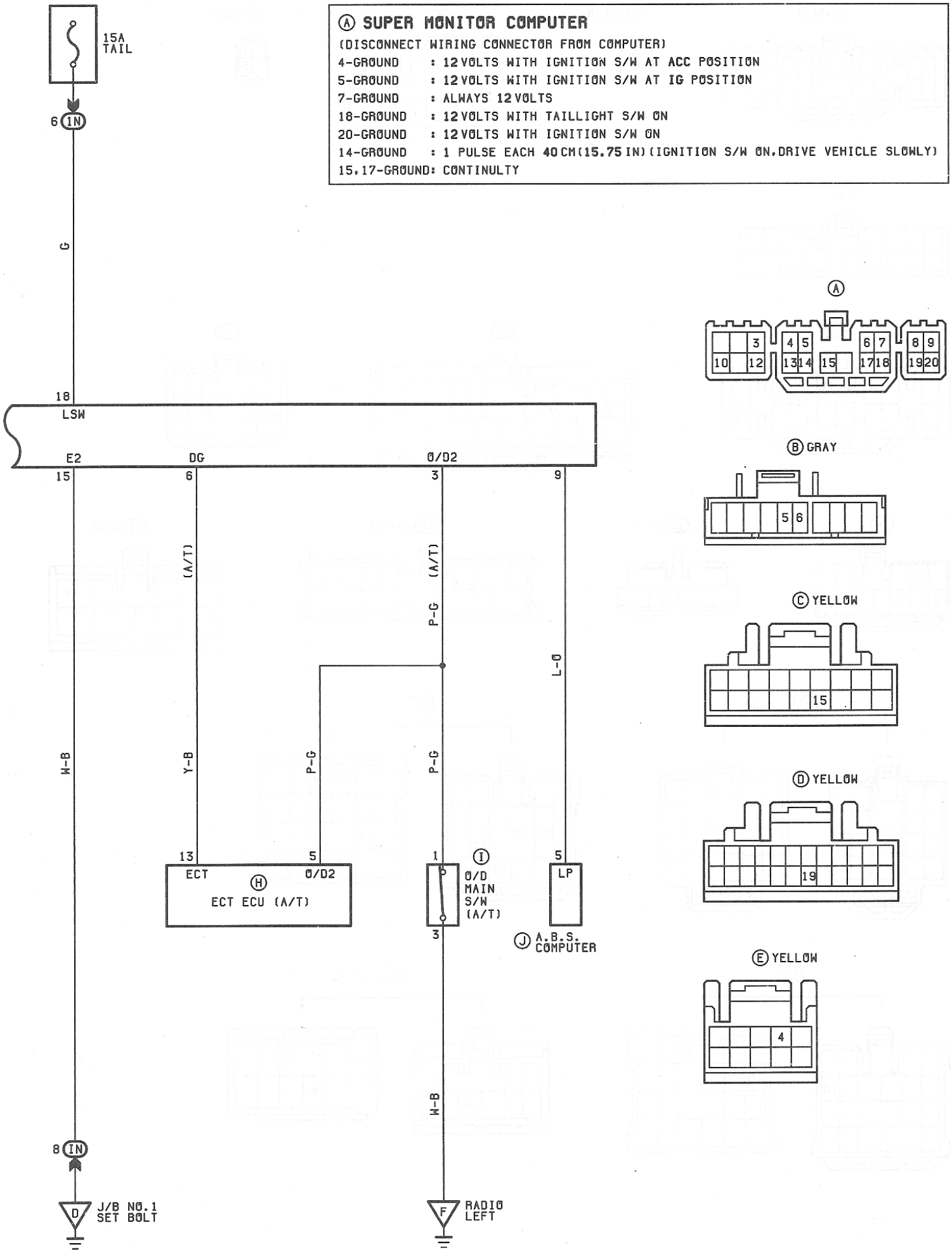
1-2:CLOSED WITH DRIVER'S LAP BELT IN USE(FOR SEAT BELT WARNING)

Ⓔ DOOR COURTESY S/W(DRIVER)

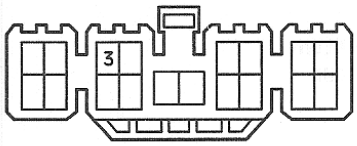
1-GROUND:CLOSED WITH DRIVER'S DOOR OPEN(FOR UNLOCK WARNING)




15A RADIO NO.1
15A CIG
7.5A GAUGE
7.5A IGN
5 2B
L-Y
14 1B
10 1G
L-Y
2 1N
L-R
11 1I
Y
6 1I
B-O
7 BATT
4 ACC
20 IG+
5 IG2
A SUPER MONITOR COMPUTER
SPD
T
W
TAU
PI
IG-
E1
14
19
8
13
12
10
17
P
R-G
GR-G
W-L
G-Y
B
BR
6 7B
15 7A
P
10 E4
GR-G
18 E1
B
13 E1
21 B1
8 M1
20 B1
4 M1
22 B1
Y-R
R-G
GR-G
W-L
B
6
15 C
19 D
4 E
3
2
B
SPEED SENSOR (COMB. METER)
5
T
W
#10
TCCS ECU
PI
F
CRUISE CONTROL COMPUTER
IG-
G
IGNITER
BR
BR
I
FLOOR CENTER
INTAKE MANIFOLD
B

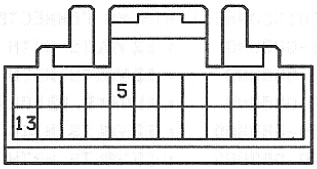

Ⓐ SUPER MONITOR COMPUTER
(DISCONNECT WIRING CONNECTOR FROM COMPUTER)
4-GROUND : 12 VOLTS WITH IGNITION S/W AT ACC POSITION
5-GROUND : 12 VOLTS WITH IGNITION S/W AT IG POSITION
7-GROUND : ALWAYS 12 VOLTS
18-GROUND : 12 VOLTS WITH TAILLIGHT S/W ON
20-GROUND : 12 VOLTS WITH IGNITION S/W ON
14-GROUND : 1 PULSE EACH 40 CM (15.75 IN) (IGNITION S/W ON, DRIVE VEHICLE SLOWLY)
15, 17-GROUND: CONTINULTY
15A TAIL
6 IN
G
18
LSW
E2
DG
O/D2
15
6
3
9
(A/T)
P-G
L-O
W-B
Y-B
13
5
1
ECT
O/D2
Ⓗ
ECT ECU (A/T)
Ⓘ
O/D MAIN S/W (A/T)
LP
Ⓙ A.B.S. COMPUTER
8 IN
D
J/B NO.1 SET BOLT
F
RADIO LEFT
Ⓐ
Ⓑ GRAY
Ⓒ YELLOW
Ⓓ YELLOW
Ⓔ YELLOW

Ⓕ BLUE



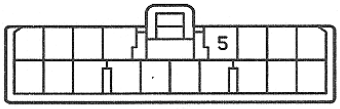
Ⓖ GREEN

Ⓗ

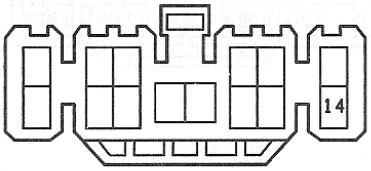


Ⓘ BLUE

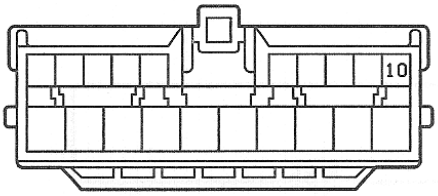
Ⓙ



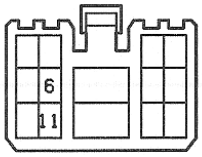
1B



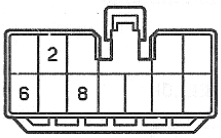
1G



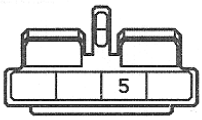
1I



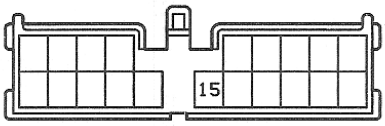
1N



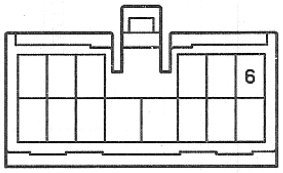
2B BLACK



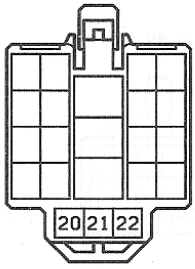
7A ORANGE

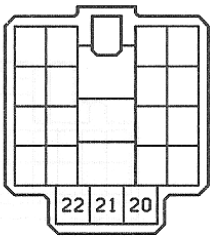


7B BLUE

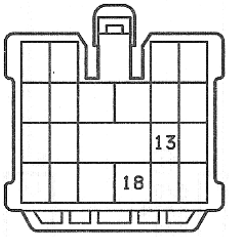


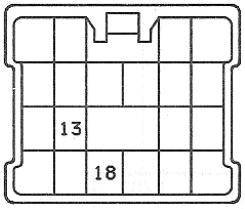
B1 YELLOW



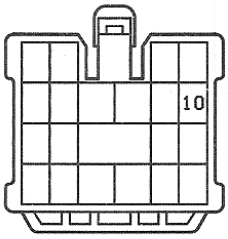


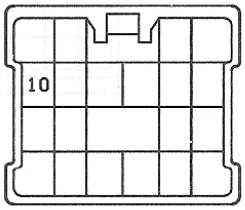
E1



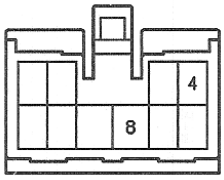


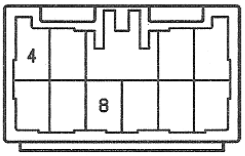
E4

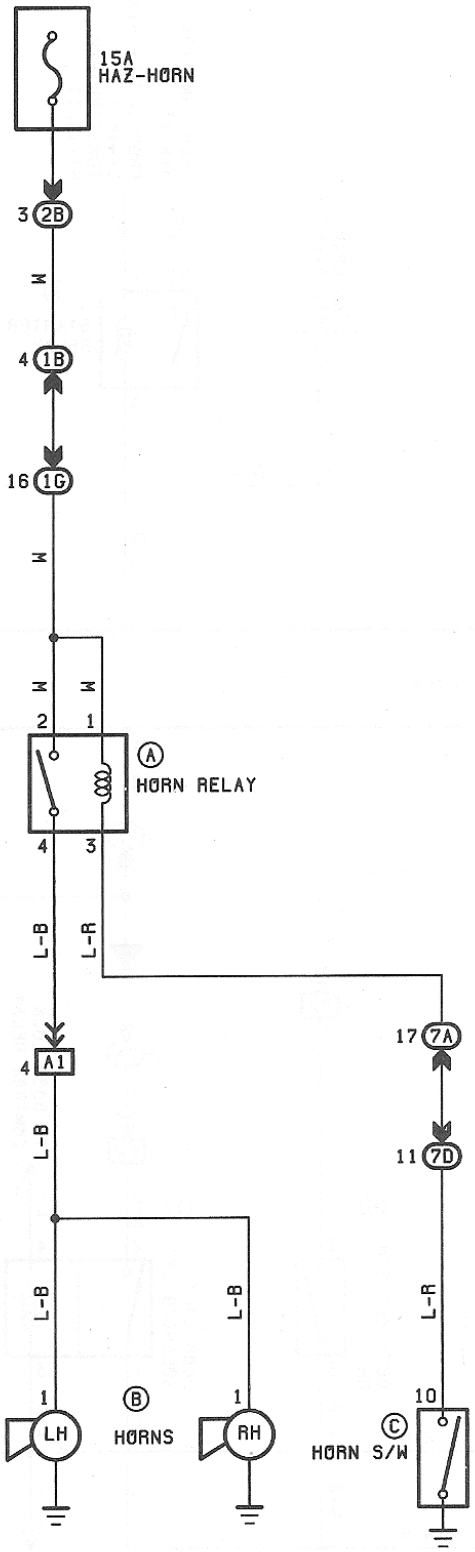


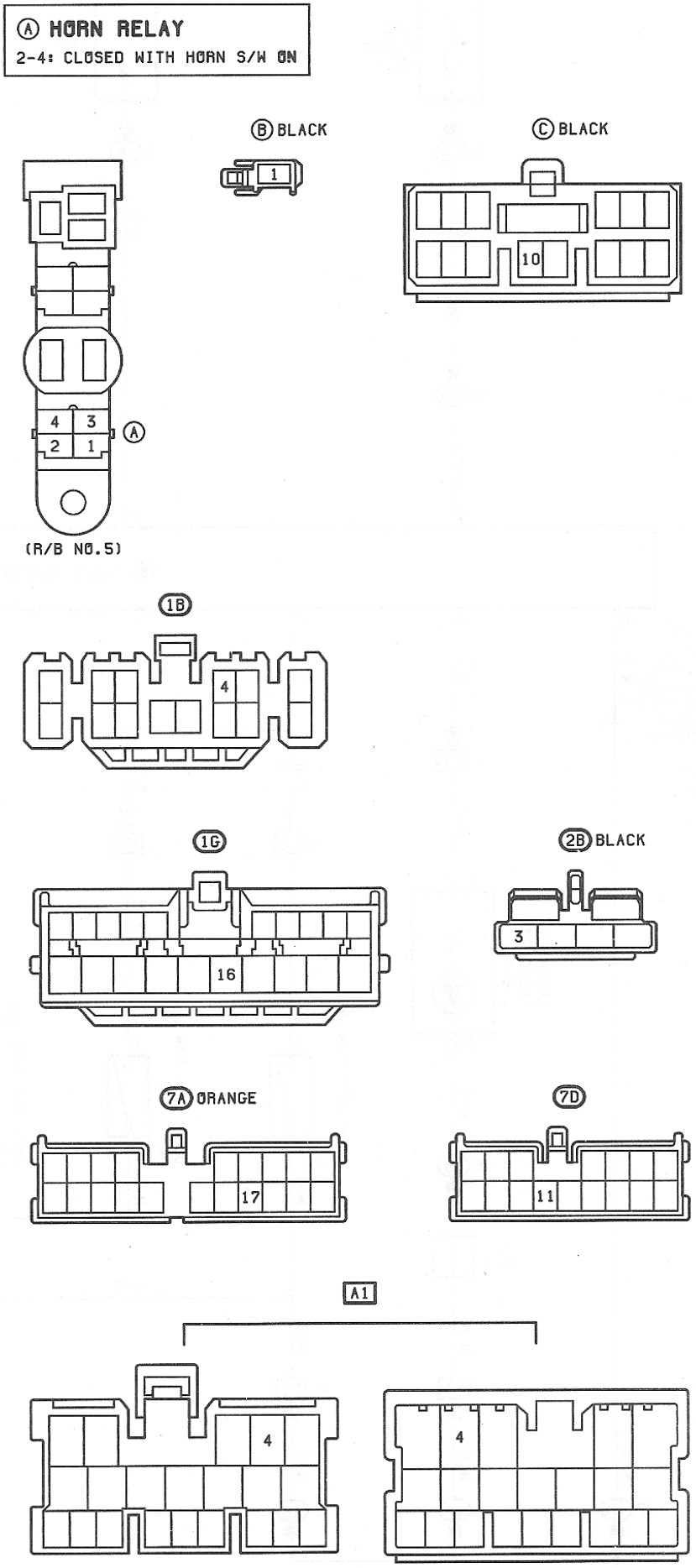


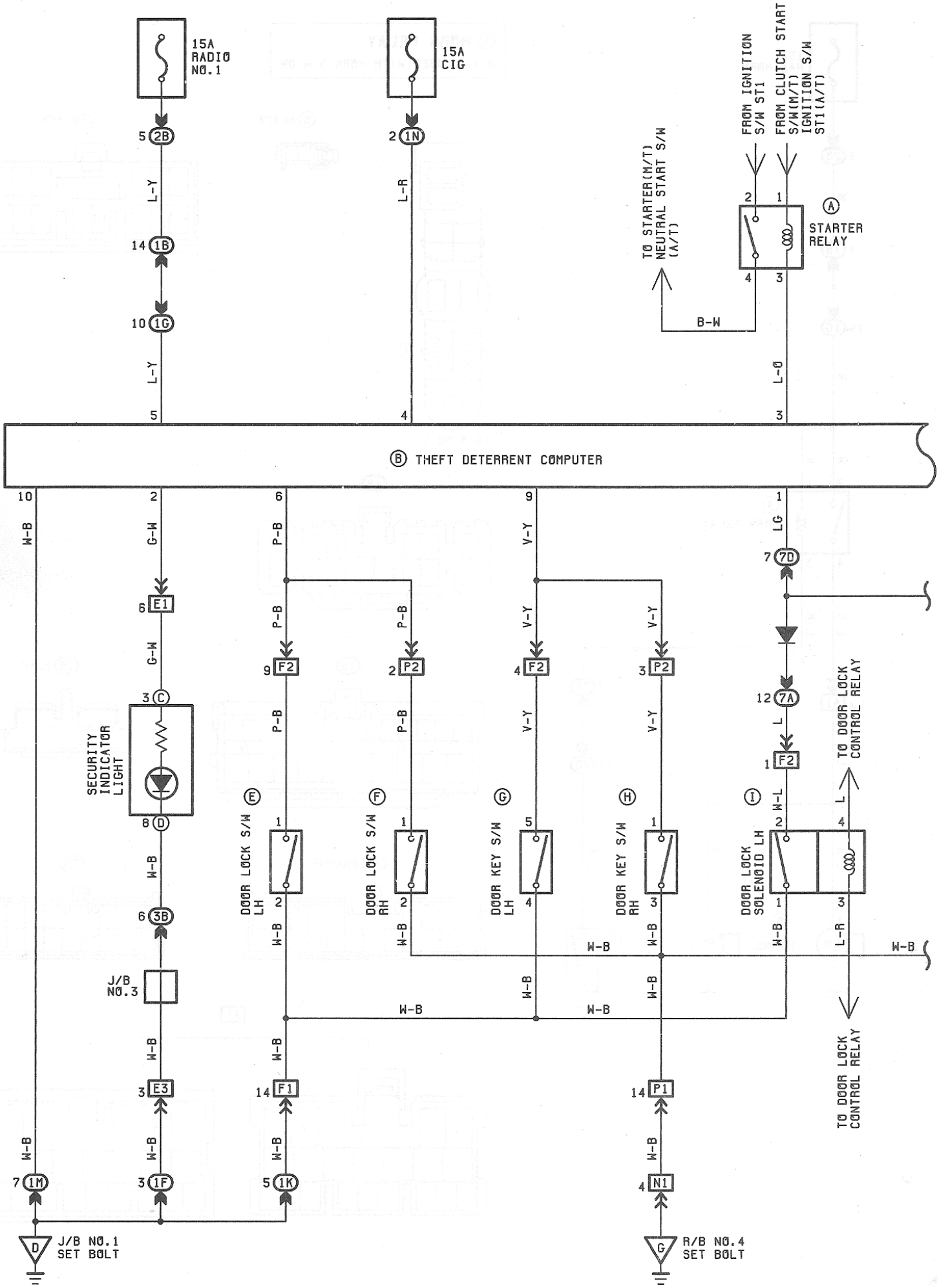
M1 YELLOW

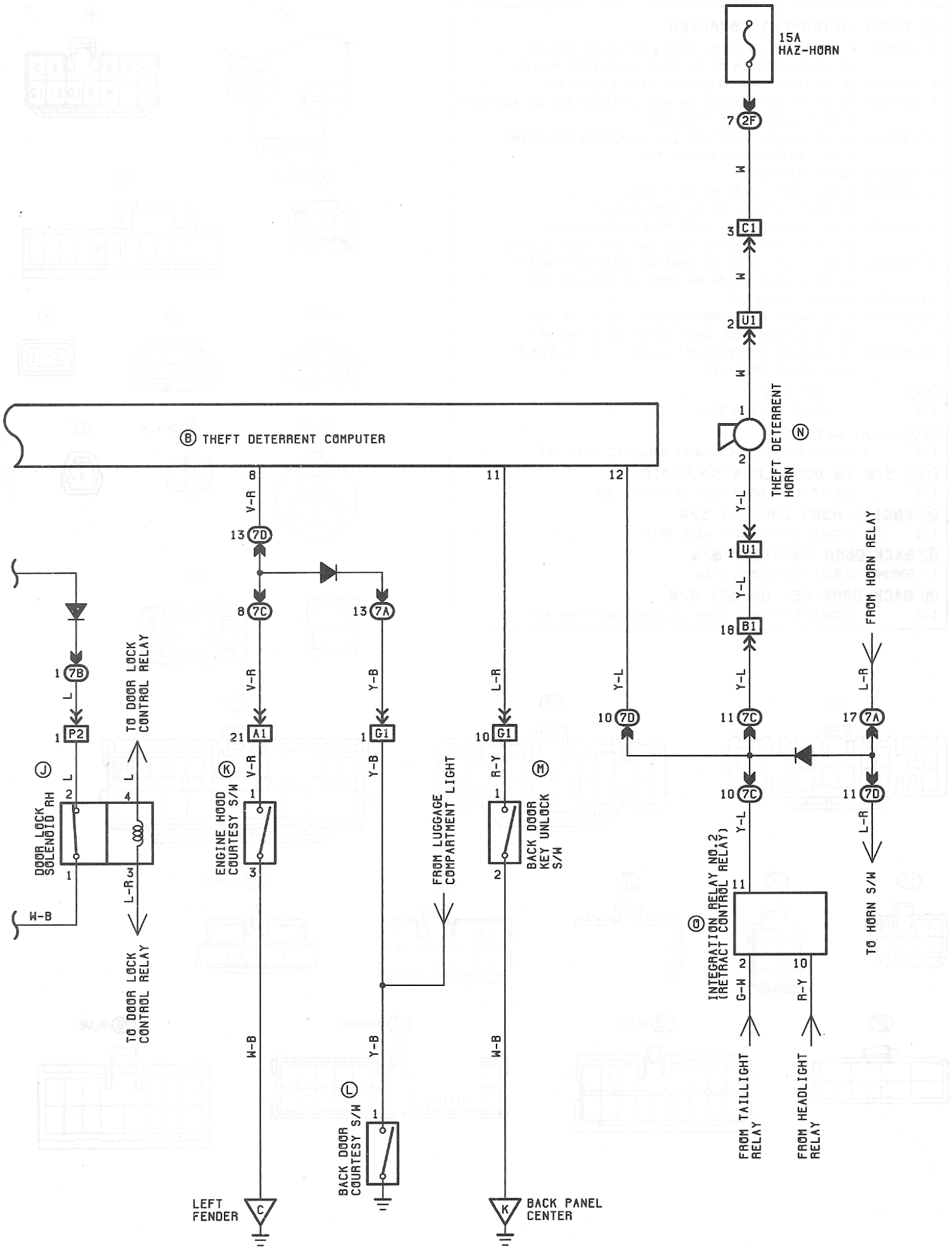





15A
HAZ-HORN
3 2B
W
4 1B
16 1G
W
W W
2 1
A
HORN RELAY
4 3
L-B L-R
4 A1
L-B
17 7A
11 7D
L-B L-B L-R
1 1 10
B
LH
HORNS
RH
C
HORN S/W


A HORN RELAY
2-4: CLOSED WITH HORN S/W ON
B BLACK
1
C BLACK
10
4 3
2 1
A
(R/B NO.5)
1B
4
1G
16
2B BLACK
3
7A ORANGE
17
7D
11
A1
4
4


15A RADIO NO.1
15A CIG
FROM IGNITION S/W ST1
FROM CLUTCH START S/W(M/T) IGNITION S/W ST1(A/T)
TO STARTER(M/T) NEUTRAL START S/W (A/T)
STARTER RELAY
B-W
L-Y
L-R
L-O
THEFT DETERRENT COMPUTER
SECURITY INDICATOR LIGHT
DOOR LOCK S/W LH
DOOR LOCK S/W RH
DOOR KEY S/W LH
DOOR KEY S/W RH
DOOR LOCK SOLENOID LH
TO DOOR LOCK CONTROL RELAY
J/B NO.3
J/B NO.1 SET BOLT
R/B NO.4 SET BOLT


15A
HAZ-HORN
7 2F
W
3 C1
W
2 U1
W
1
2
THEFT DETERRENT HORN
N
Y-L
1 U1
Y-L
18 B1
Y-L
FROM HORN RELAY
L-R
17 7A
11 7D
L-R
TO HORN S/W
B THEFT DETERRENT COMPUTER
8
11
12
V-R
13 7D
8 7C
13 7A
V-R
Y-B
L-R
10 7D
11 7C
10 7C
Y-L
10 G1
R-Y
1 G1
Y-B
21 A1
V-R
1 7B
L
1 P2
TO DOOR LOCK CONTROL RELAY
J
DOOR LOCK SOLENOID RH
2
4
1
3
L
L-R
W-B
TO DOOR LOCK CONTROL RELAY
K
ENGINE HOOD COURTESY S/W
1
3
FROM LUGGAGE COMPARTMENT LIGHT
M
BACK DOOR KEY UNLOCK S/W
1
2
O
INTEGRATION RELAY NO.2 (RETRACT CONTROL RELAY)
11
2
10
G-W
R-Y
FROM TAILLIGHT RELAY
FROM HEADLIGHT RELAY
W-B
Y-B
W-B
L
BACK DOOR COURTESY S/W
1
LEFT FENDER
C
BACK PANEL CENTER
K

Ⓑ THEFT DETERRENT COMPUTER

1 -GROUND: 0 VOLT WITH LH OR RH DOOR LOCK LEVER PULLED
12 VOLTS WITH LH OR RH DOOR LOCK LEVER PULLED
2 -GROUND: 12 VOLTS WITHIN 30 SECONDS WITH SYSTEM ON
3 -GROUND: 12 VOLTS WITH SYSTEM ON AND IGNITION S/W ST POSITION
0 VOLT WITH SYSTEM OPERATED
4 -GROUND: 12 VOLTS WITH IGNITION S/W AT ACC,ON POSITIONS
0 VOLT WITH IGNITION S/W OFF
5 -GROUND: ALWAYS 12 VOLTS
6 -GROUND: 0 VOLT WITH LH OR RH DOOR OPEN
12 VOLTS WITH LH OR RH DOOR CLOSED
8 -GROUND: 0 VOLT WITH ENGINE HOOD OR BACK DOOR OPEN
12 VOLTS WITH ENGINE HOOD AND BACK DOOR CLOSED
9 -GROUND: 0 VOLT WITH LH OR RH DOOR UNLOCKED WITH KEY
12 VOLTS WITH LH OR RH DOOR LOCKED WITH KEY
10-GROUND: ALWAYS CONTINUITY
11-GROUND: 0 VOLT WITH BACK DOOR UNLOCKED WITH THE KEY
12 VOLTS WITH BACK DOOR LOCKED WITH THE KEY
12-GROUND: 12 VOLTS WITH SYSTEM OFF CHANGES 12 TO 0 VOLT
WITH SYSTEM OPERATED

ⒺⒻ DOOR LOCK S/W

1-2 : CLOSED WITH DOOR OPEN

ⒼⒽ DOOR KEY S/W

1-3 : CLOSED WITH KEY CYLINDER UNLOCKED WITH KEY

ⒾⒿ S/W IN DOOR LOCK SOLENOID

1-2 : CLOSED WITH DOOR LOCK LEVER PULLED

Ⓚ ENGINE HOOD COUTESY S/W

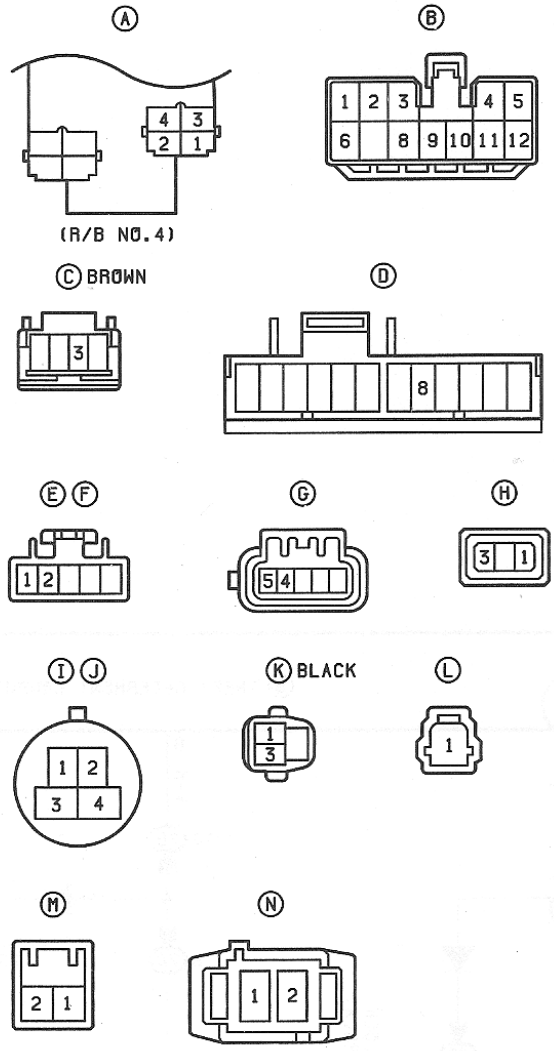
1-3 : CLOSED WITH ENGINE HOOD OPEN

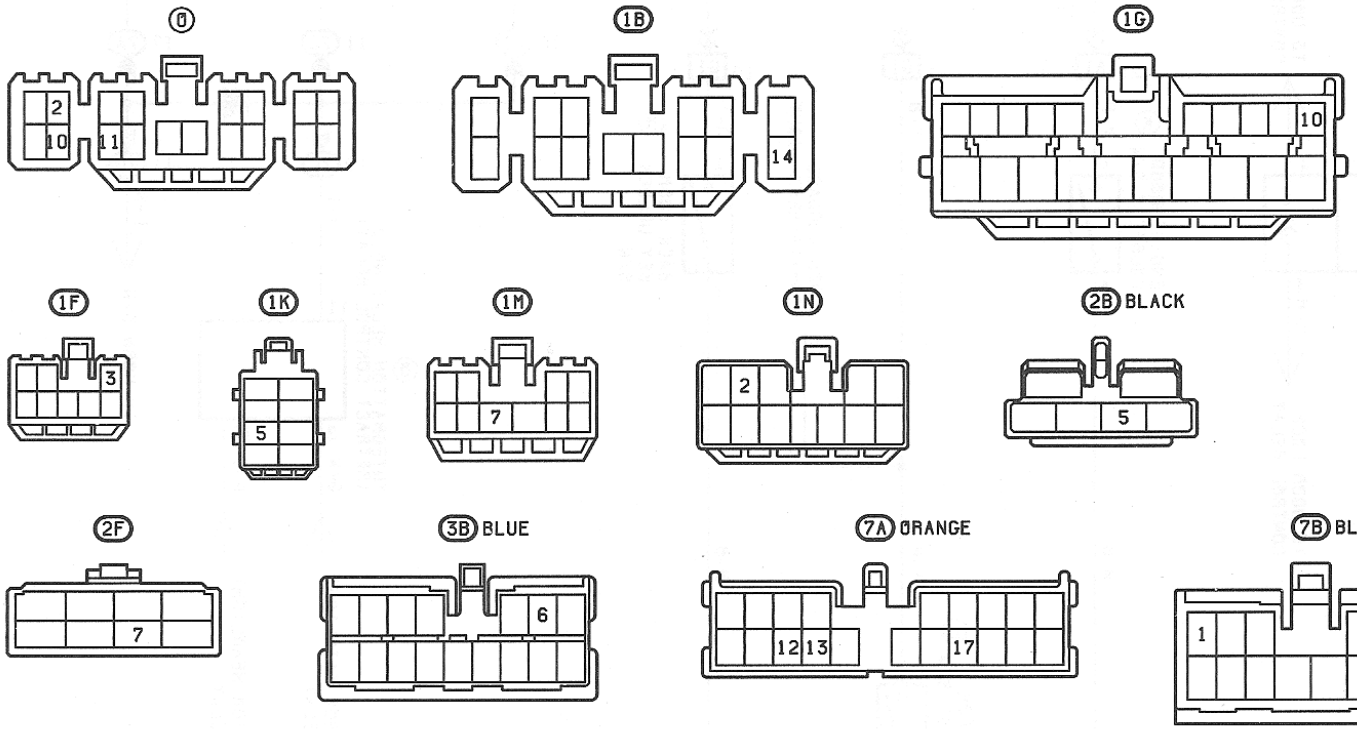
Ⓛ BACK DOOR COURTESY S/W

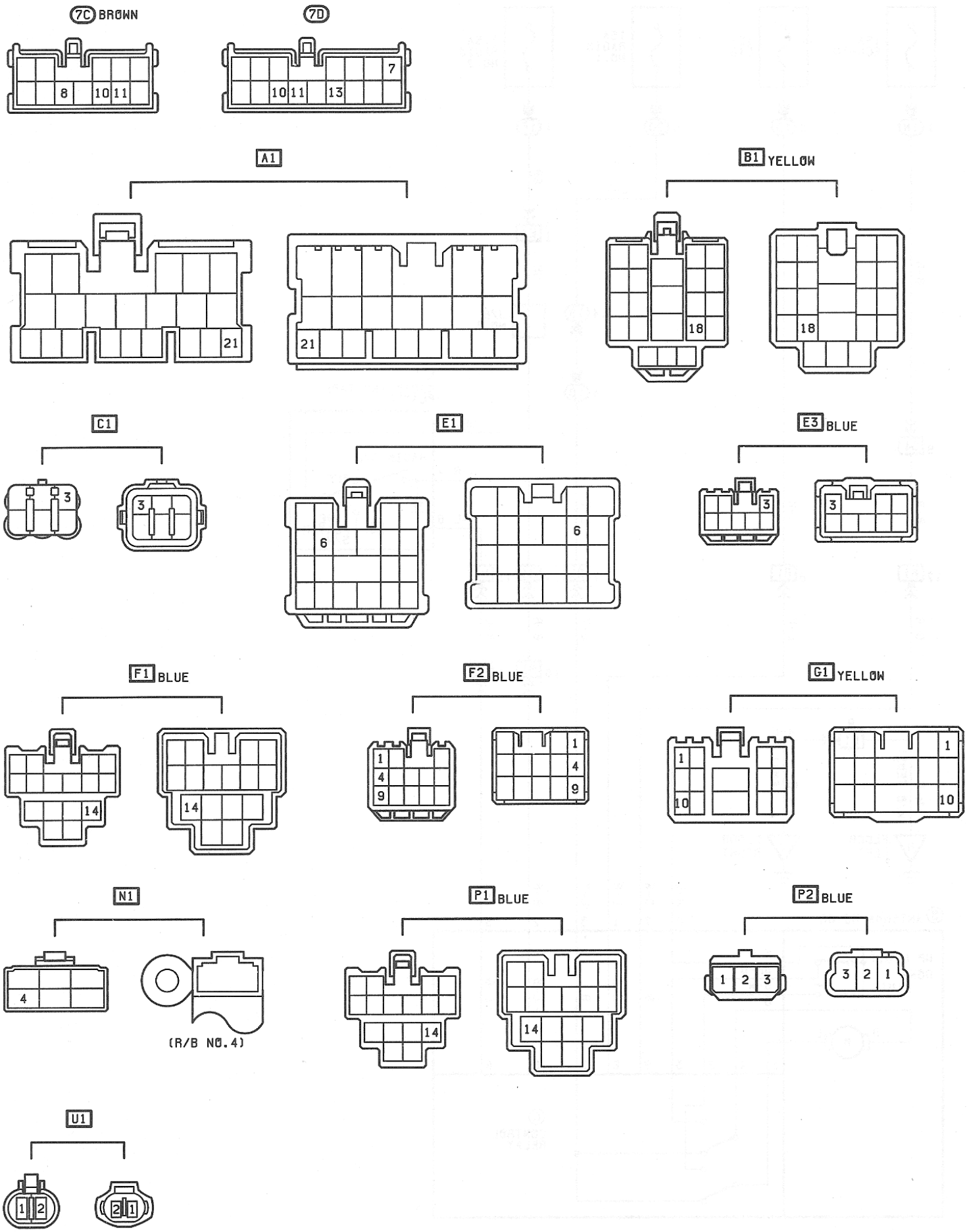
1 -GROUND: CLOSED WITH DOOR OPEN

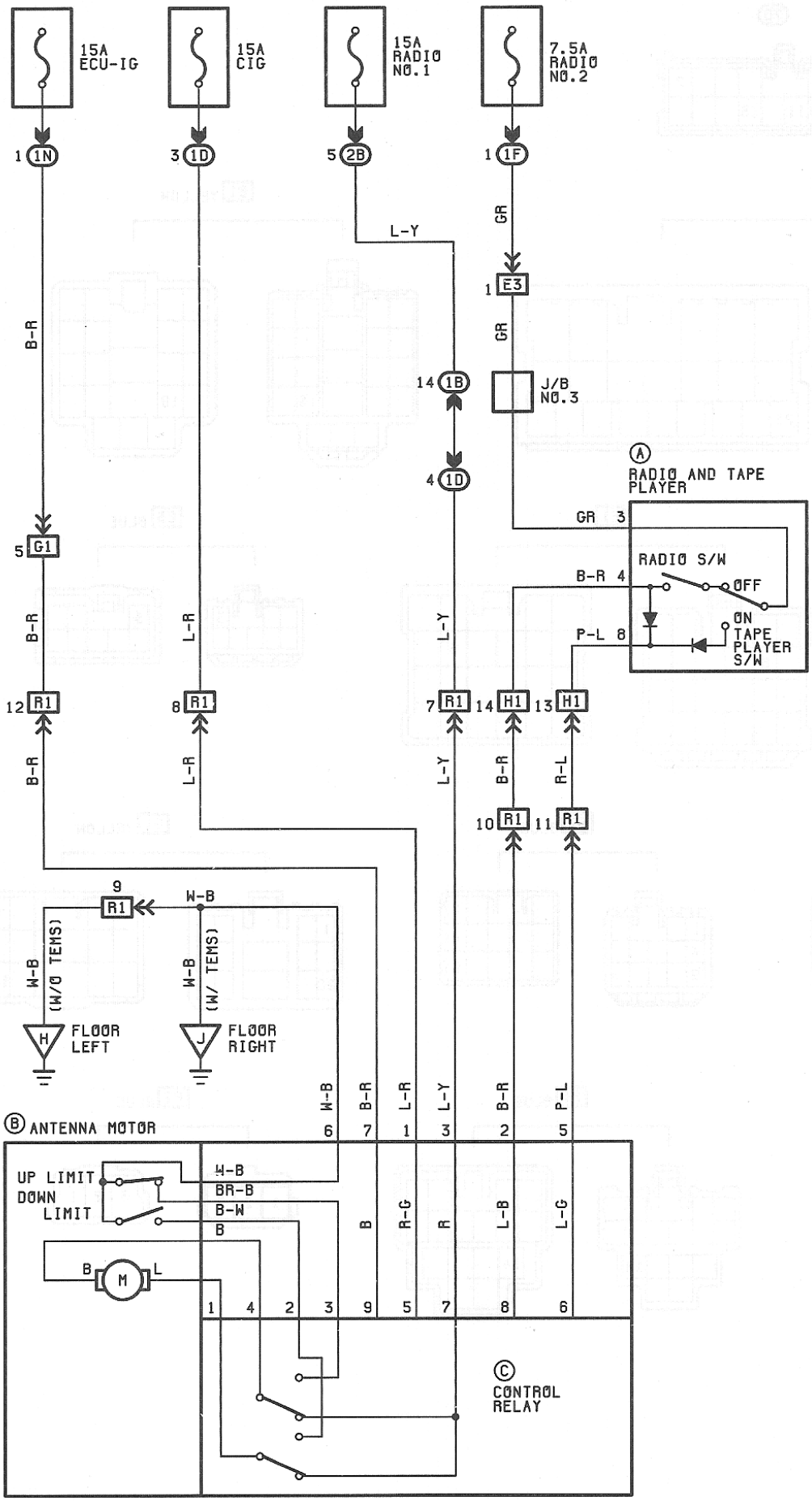
Ⓜ BACK DOOR KEY UNLOCK S/W

1-2 : CLOSED WITH BACK DOOR UNLOCKED WITH THE KEY






7C BRØWN
8
10 11
7D
7
10 11
13
A1
21
21
B1 YELLØW
18
18
C1
3
3
E1
6
6
E3 BLUE
3
3
F1 BLUE
14
14
F2 BLUE
1
4
9
1
4
9
G1 YELLØW
1
10
1
10
N1
4
(R/B NØ.4)
P1 BLUE
14
14
P2 BLUE
1 2 3
3 2 1
U1
1 2
2 1


15A ECU-IG
15A CIG
15A RADIO NO.1
7.5A RADIO NO.2
1 1N
3 1D
5 2B
1 1F
L-Y
GR
1 E3
GR
B-R
14 1B
J/B NO.3
4 1D
A RADIO AND TAPE PLAYER
GR 3
5 G1
RADIO S/W
B-R 4
OFF
ON
TAPE PLAYER S/W
P-L 8
B-R
L-R
L-Y
12 R1
8 R1
7 R1
14 H1
13 H1
B-R
L-R
L-Y
B-R
R-L
10 R1
11 R1
9 R1
W-B
W-B (W/O TEMS)
W-B (W/ TEMS)
H FLOOR LEFT
J FLOOR RIGHT
W-B
B-R
L-R
L-Y
B-R
P-L
B ANTENNA MOTOR
6
7
1
3
2
5
UP LIMIT
DOWN LIMIT
W-B
BR-B
B-W
B
B
R-G
R
L-B
L-G
B
M
L
1
4
2
3
9
5
7
8
6
C CONTROL RELAY

© CONTROL RELAY

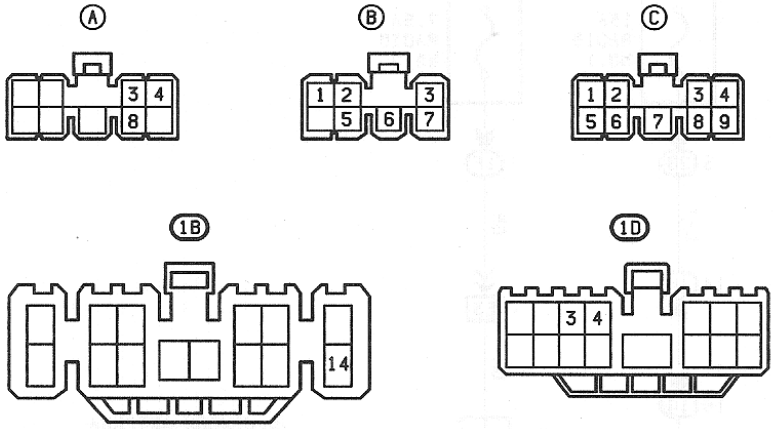
3-GROUND: CONTINUITY (UPPER LIMIT S/W ON) UNLESS ANTENNA AT **UP STOP**

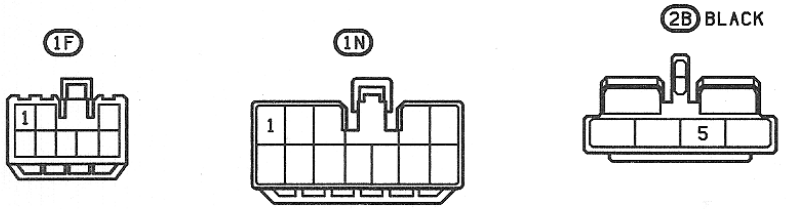
2-GROUND: CONTINUITY (DOWN LIMIT S/W ON) UNLESS ANTENNA AT **DOWN STOP**

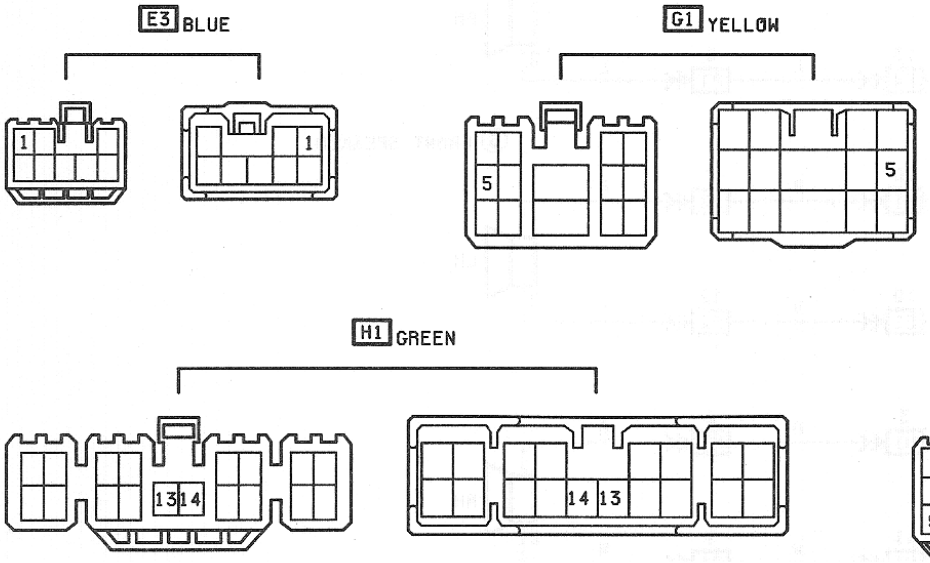
4-3 : CLOSED WITH IGNITION S/W AT **ACC** OR **IG** POSITION AND RADIO S/W ON AND PLAYER S/W OFF UNTIL ANTENNA AT UPPERMOST POSITION

1-2 : CLOSED WITH IGNITION S/W AT **ACC** OR **IG** POSITION AND RADIO S/W OFF AND PLAYER S/W OFF UNTIL ANTENNA AT LOWERMOST POSITION

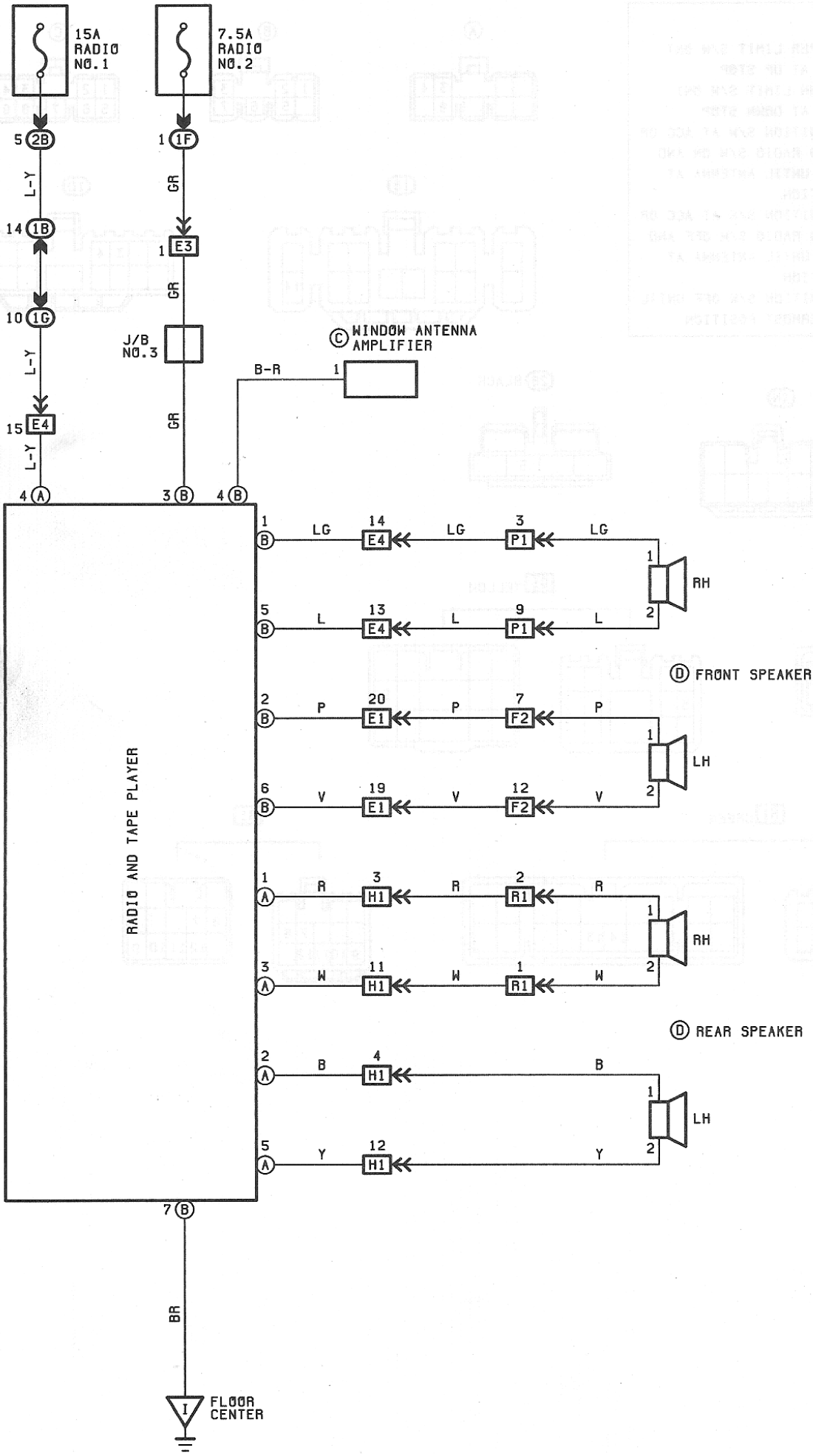
1-2 : CLOSED WITH IGNITION S/W OFF UNTIL ANTENNA AT LOWERMOST POSITION

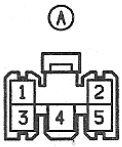


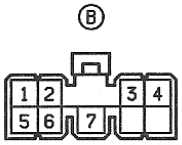




31 RADIO AND TAPE PLAYER

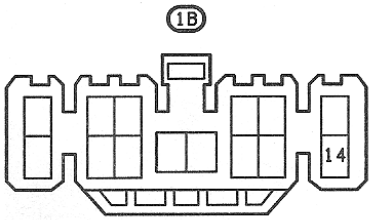


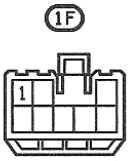

A
1
2
3
4
5

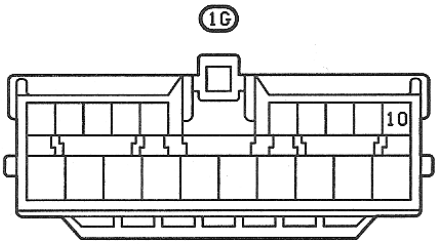

B
1
2
3
4
5
6
7

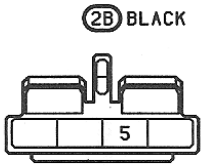

C
1

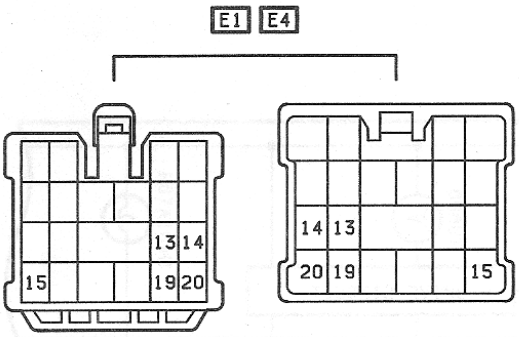

D
1
2

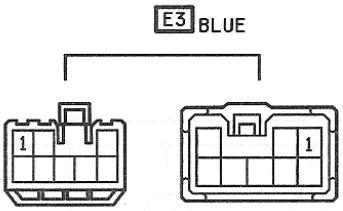

1B
14

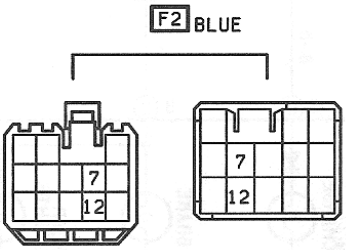

1F
1

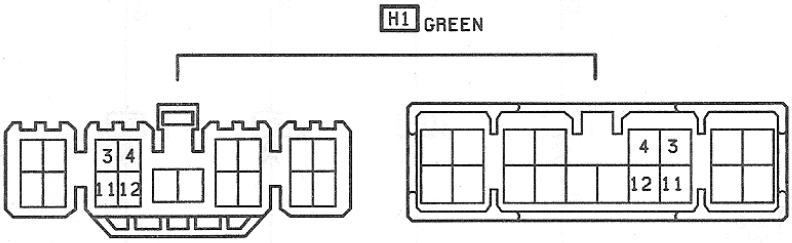

1G
10

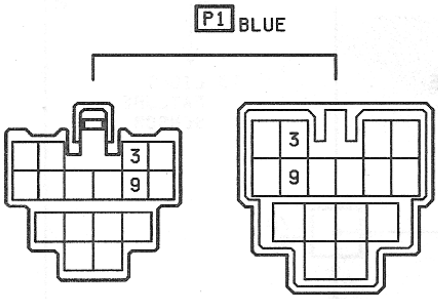

2B BLACK
5

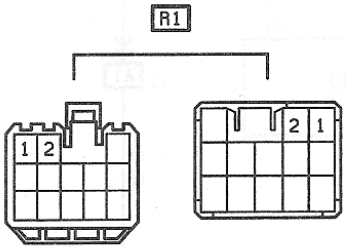

E1 E4
13
14
15
19
20
14
13
20
19
15

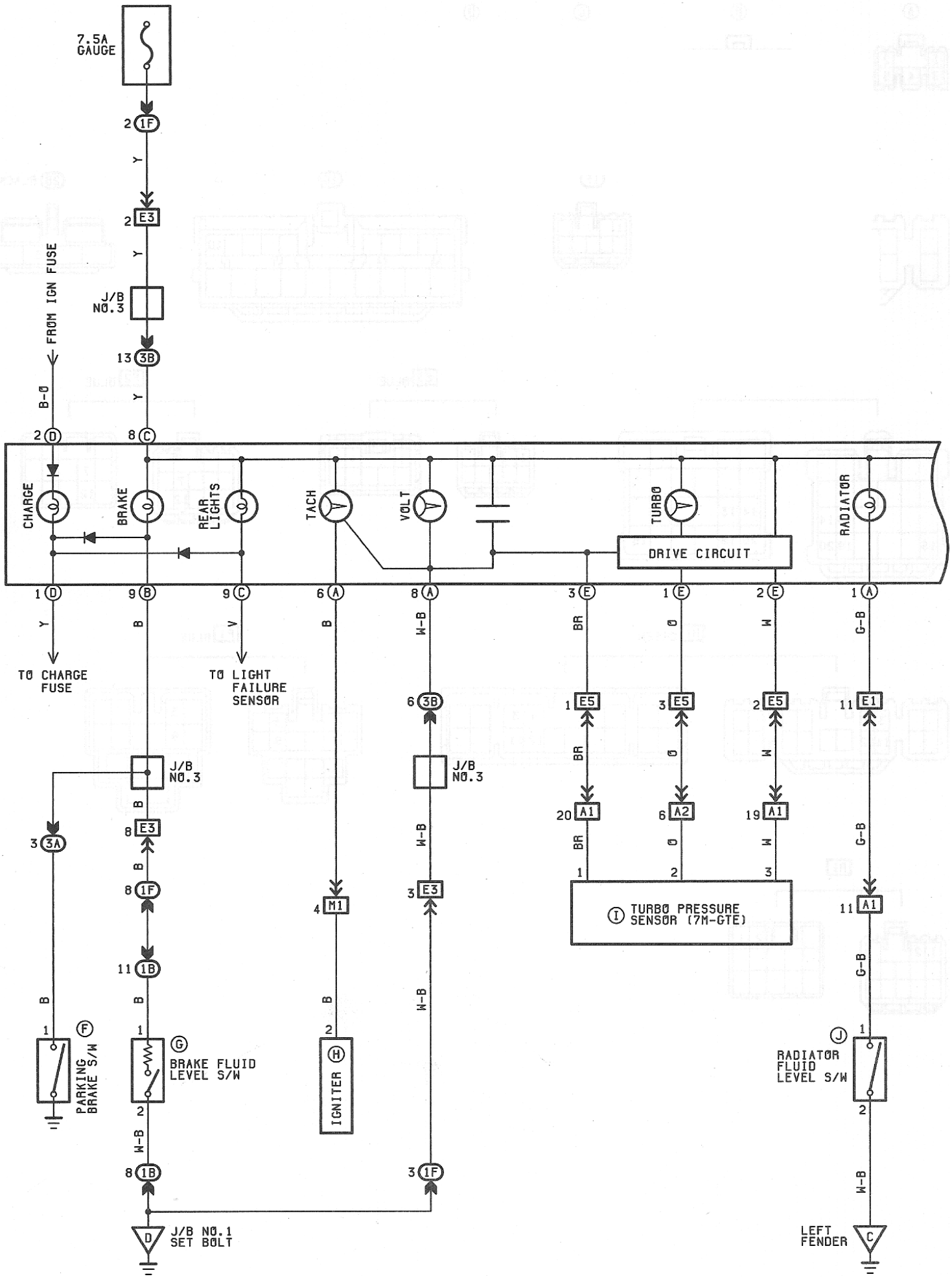

E3 BLUE
1
1

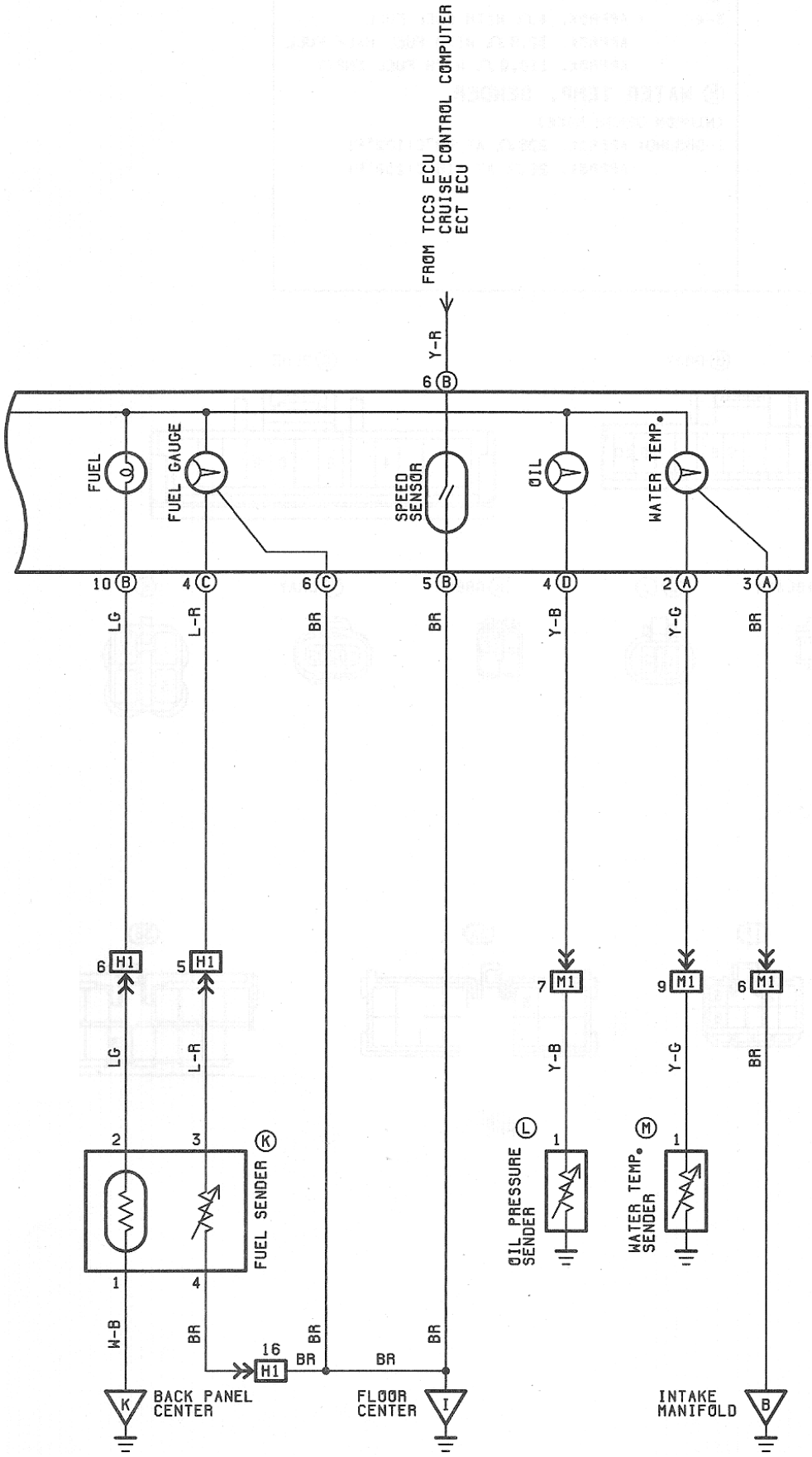

F2 BLUE
7
12
7
12


H1 GREEN
3
4
11
12
4
3
12
11


P1 BLUE
3
9
3
9


R1
1
2
2
1


7.5A GAUGE
2 1F
Y
2 E3
Y
J/B NO.3
13 3B
Y
FROM IGN FUSE
B-O
2 D
8 C
CHARGE
BRAKE
REAR LIGHTS
TACH
VOLT
TURBO
RADIATOR
DRIVE CIRCUIT
1 D
9 B
9 C
6 A
8 A
3 E
1 E
2 E
1 A
Y
B
V
B
W-B
BR
O
W
G-B
TO CHARGE FUSE
TO LIGHT FAILURE SENSOR
6 3B
1 E5
3 E5
2 E5
11 E1
J/B NO.3
J/B NO.3
BR
O
W
20 A1
6 A2
19 A1
BR
O
W
G-B
1
2
3
TURBO PRESSURE SENSOR (7M-GTE)
3 3A
8 E3
B
8 1F
4 M1
3 E3
11 A1
11 1B
G-B
B
B
B
W-B
1 F
PARKING BRAKE S/W
1 G
BRAKE FLUID LEVEL S/W
2
2 H
IGNITER
1 J
RADIATOR FLUID LEVEL S/W
2
W-B
8 1B
3 1F
W-B
D
J/B NO.1 SET BOLT
LEFT FENDER
C


FROM TCCS ECU
CRUISE CONTROL COMPUTER
ECT ECU
Y-R
6 B
FUEL
FUEL GAUGE
SPEED SENSOR
OIL
WATER TEMP.
10 B
4 C
6 C
5 B
4 D
2 A
3 A
LG
L-R
BR
BR
Y-B
Y-G
BR
6 H1
5 H1
7 M1
9 M1
6 M1
LG
L-R
Y-B
Y-G
BR
2
3
K
FUEL SENDER
1
4
L
OIL PRESSURE SENDER
1
M
WATER TEMP. SENDER
1
W-B
BR
BR
BR
BR
16 H1
BR
BR
K
BACK PANEL CENTER
FLOOR CENTER
I
INTAKE MANIFOLD
B

COMBINATION METER

COMBINATION METER

Ⓓ 2-GROUND: 12 VOLTS WITH IGNITION S/W ON

Ⓒ 8-GROUND: 12 VOLTS WITH IGNITION S/W ON

Ⓐ3, Ⓐ8, Ⓑ5, Ⓒ6-GROUND: ALWAYS CONTINUITY

FUEL LEVEL GAUGE

Ⓒ 8- Ⓒ 4 : APPROX. 167.2Ω

Ⓒ 8- Ⓒ 6 : APPROX. 102.7Ω

Ⓒ 4- Ⓒ 6 : APPROX. 64.5Ω

OIL PRESSURE GAUGE

Ⓒ 8- Ⓓ 4 : APPROX. 42Ω

WATER TEMP. GAUGE

Ⓒ 8- Ⓐ 2 : APPROX. 56Ω

Ⓒ 8- Ⓐ 3 : APPROX. 145.8Ω

Ⓐ 2- Ⓐ 3 : APPROX. 201.8Ω

Ⓕ PARKING BRAKE S/W

1-GROUND: CLOSED WITH PARKING BRAKE LEVER PULLED UP

Ⓖ BRAKE FLUID LEVEL S/W

1-2 : CLOSED WITH FLOAT DOWN

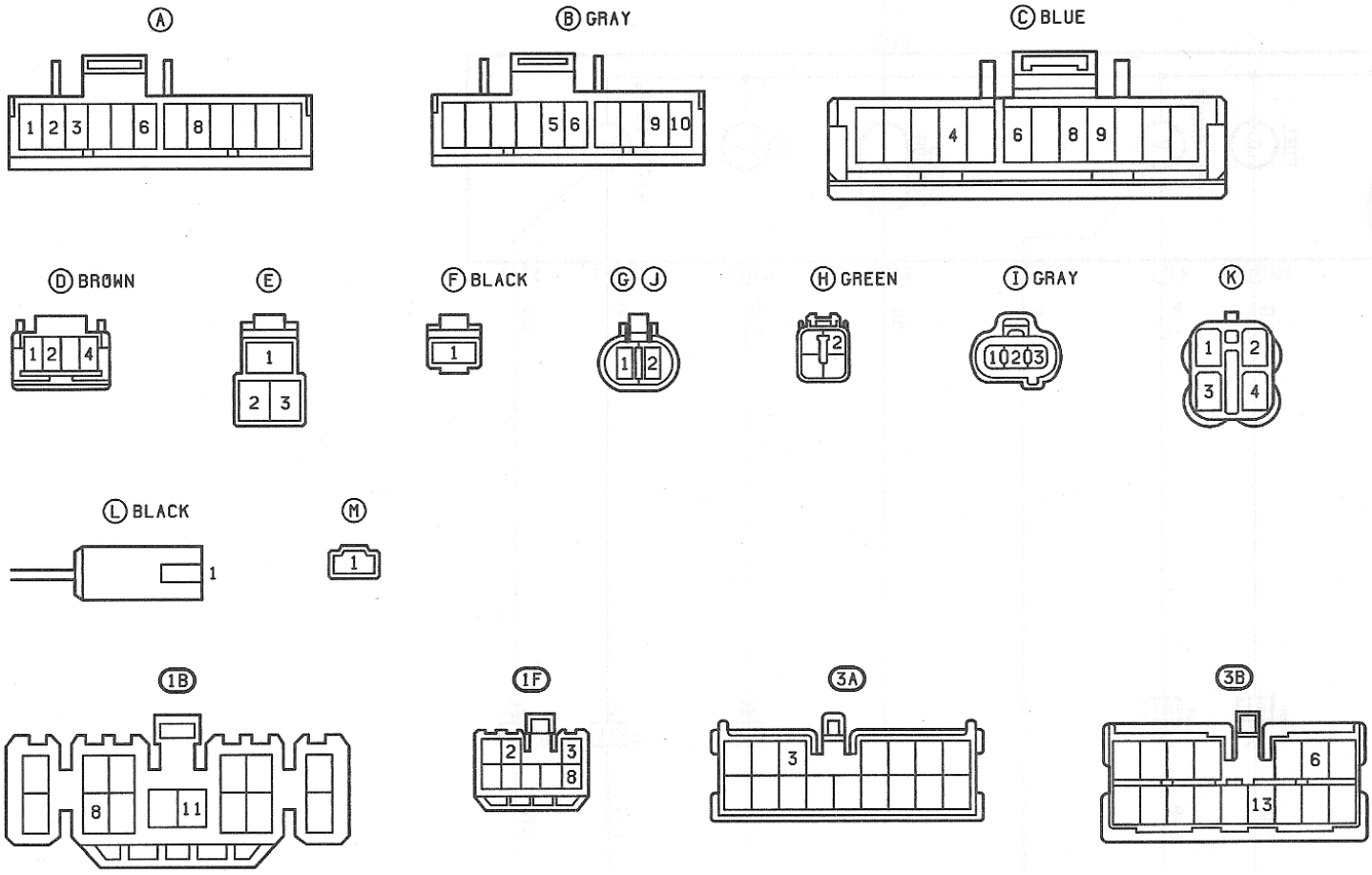
Ⓚ FUEL SENDER

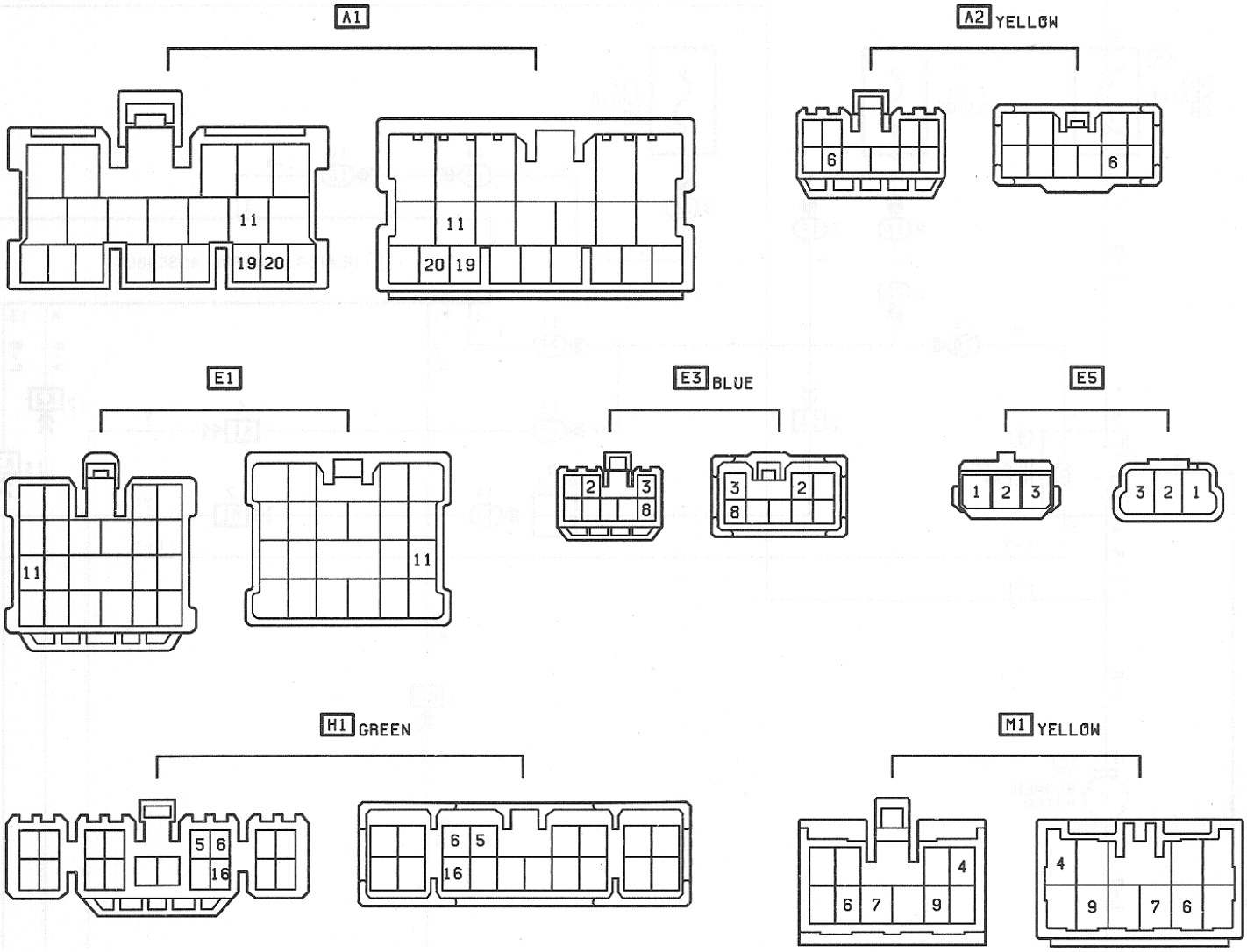
3-4 : APPROX. 4Ω WITH FUEL FULL
APPROX. 32.5Ω WITH FUEL HALF FULL
APPROX. 110.0Ω WITH FUEL EMPTY

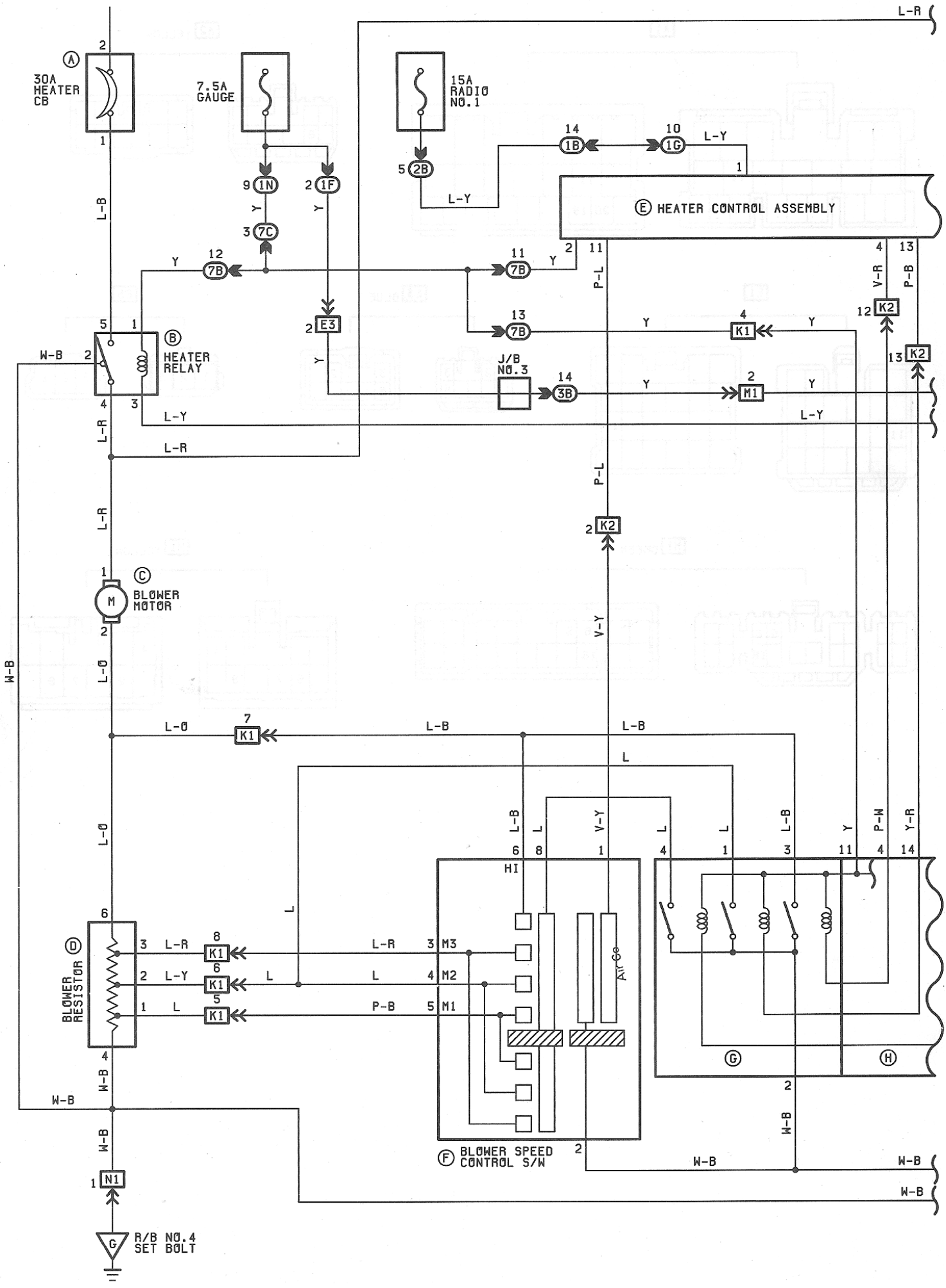
Ⓜ WATER TEMP. SENDER

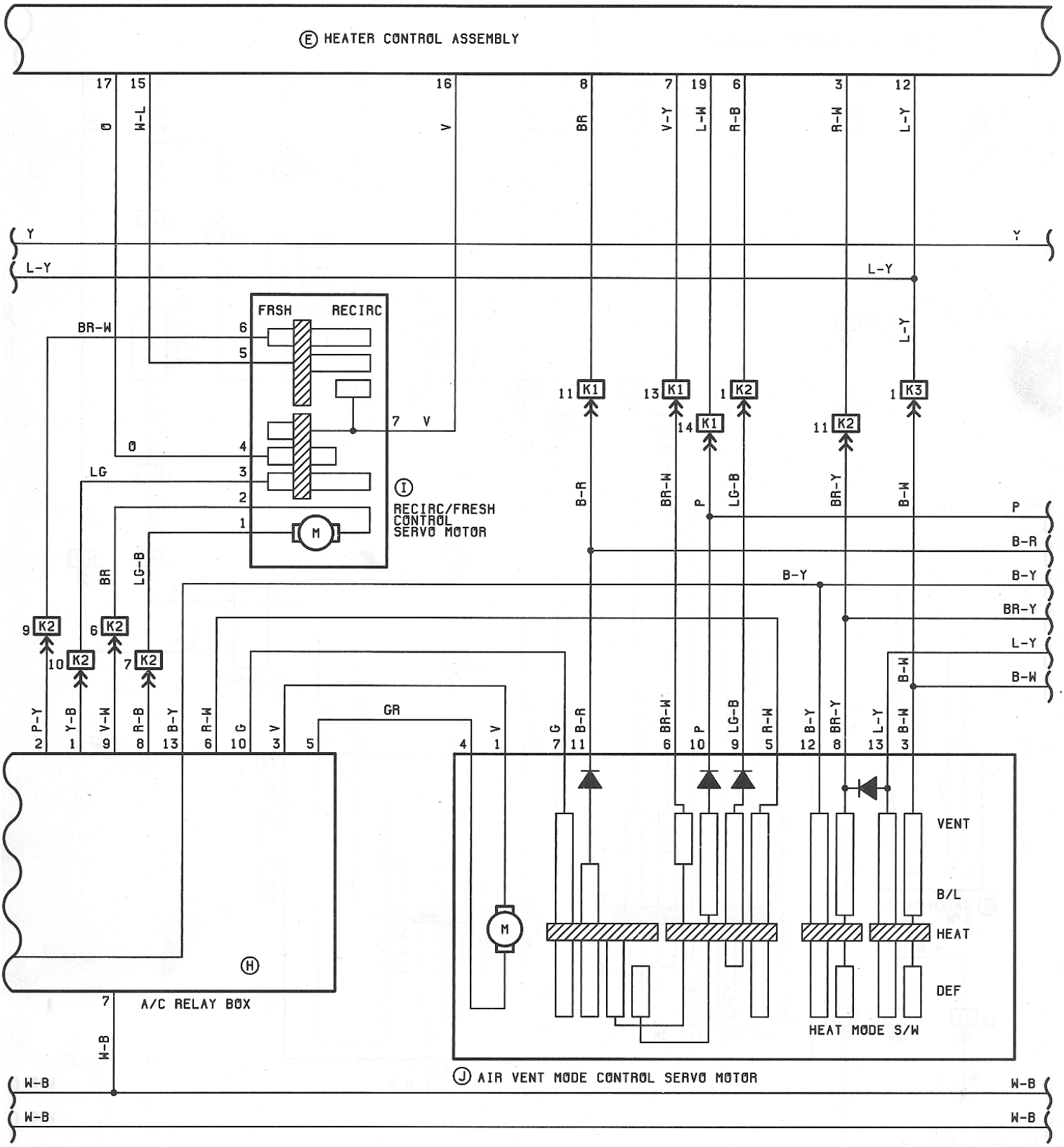
(NIPPON DENSO MAKE)

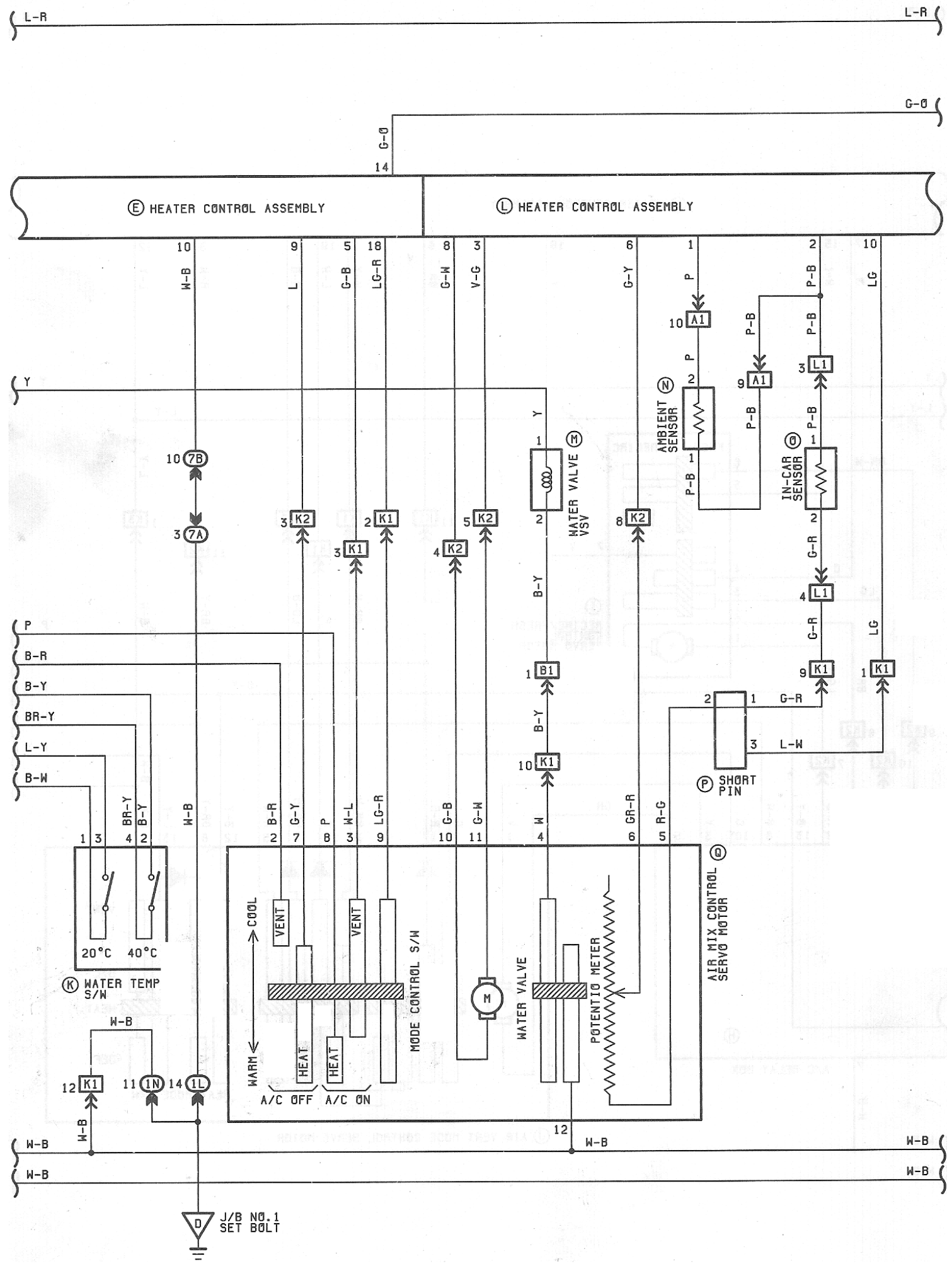
1-GROUND: APPROX. 226Ω AT 50°C(122°F)
APPROX. 26Ω AT 115°C(239°F)

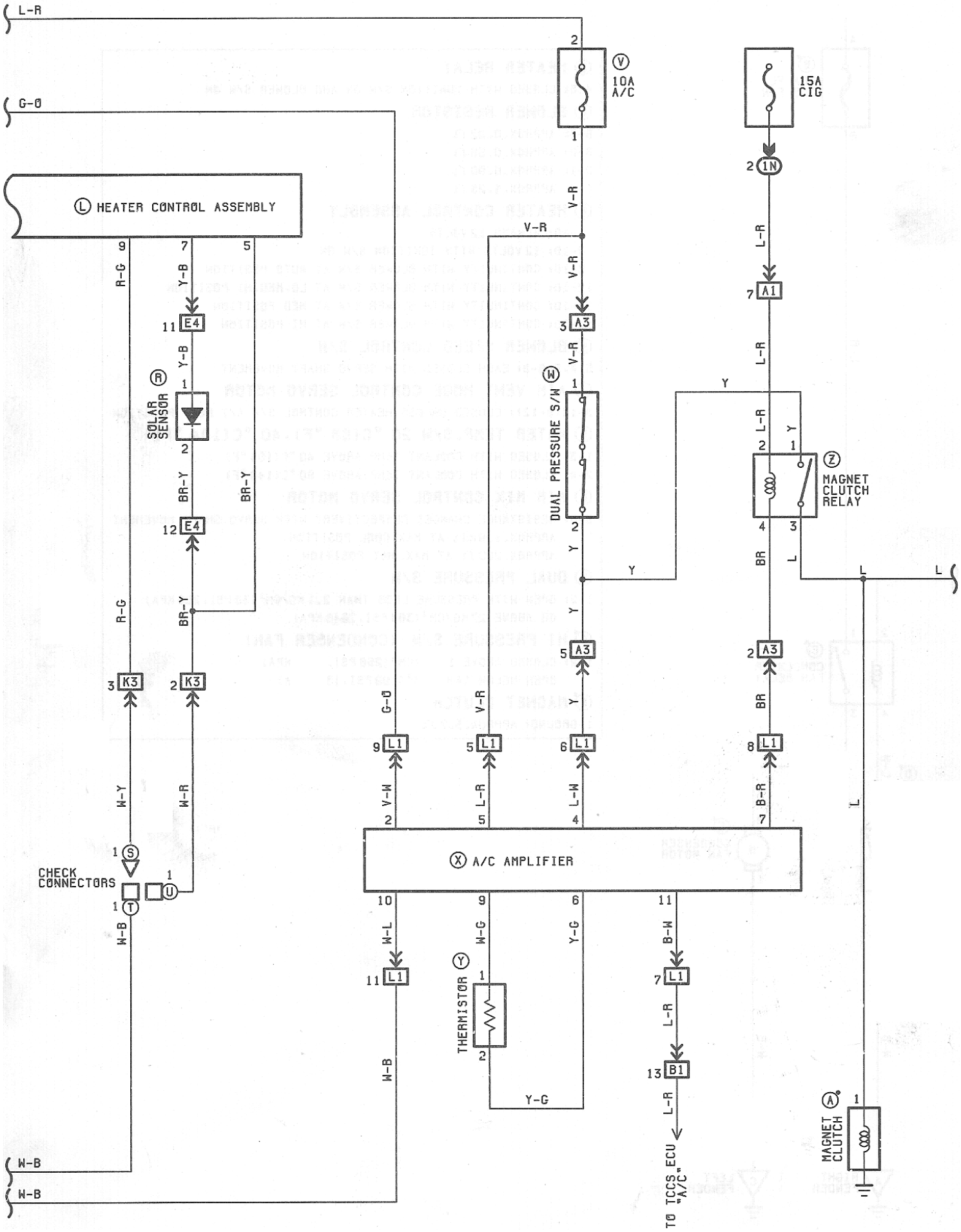


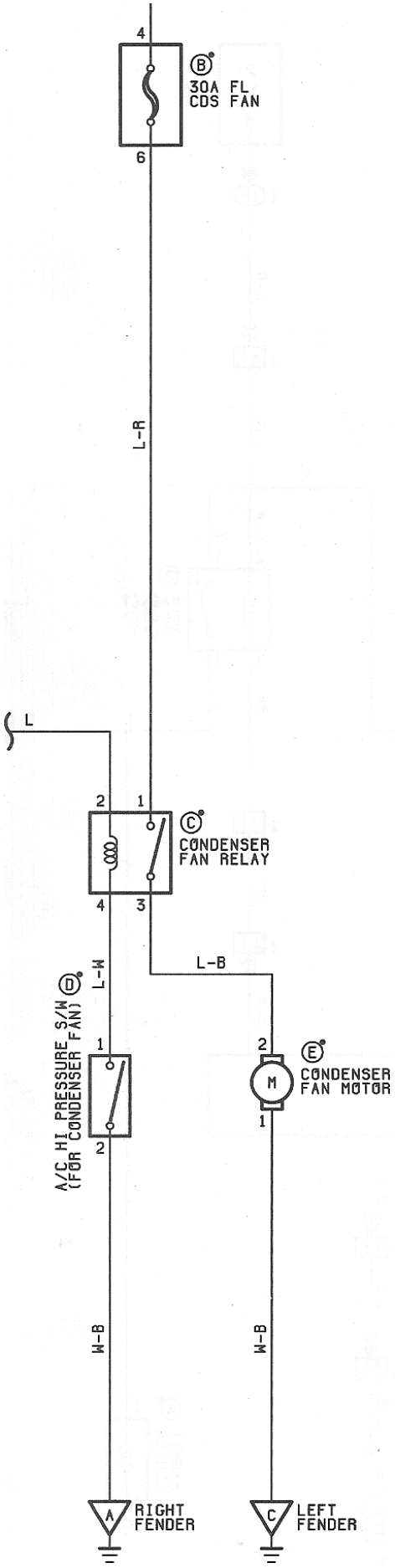

A1
11
19 20
11
20 19
A2 YELLOW
6
6
E1
11
11
E3 BLUE
2
3
8
3
8
2
E5
1 2 3
3 2 1
H1 GREEN
5 6
16
6 5
16
M1 YELLOW
4
6 7
9
4
9
7 6


30A HEATER CB
7.5A GAUGE
15A RADIO NO.1
HEATER CONTROL ASSEMBLY
HEATER RELAY
J/B NO.3
BLOWER MOTOR
BLOWER RESISTOR
BLOWER SPEED CONTROL S/W
R/B NO.4 SET BOLT
HI
M3
M2
M1
Air-Co


L-R
L-R
E HEATER CONTROL ASSEMBLY
17 15 16 8 7 19 6 3 12
O W-L V BR V-Y L-W R-B R-W L-Y
Y
Y
L-Y
L-Y
FRSH
RECIRC
BR-W
6
5
7 V
O
4
LG
3
2
1
M
I
RECIRC/FRESH
CONTROL
SERVO MOTOR
BR
LG-B
11 K1
13 K1
1 K2
14 K1
11 K2
1 K3
B-R
BR-W
P
LG-B
BR-Y
B-W
P
B-R
B-Y
B-Y
BR-Y
L-Y
B-W
9 K2
6 K2
10 K2
7 K2
P-Y 2
Y-B 1
V-W 9
R-B 8
B-Y 13
R-W 6
G 10
V 3
5
GR
4
V 1
G 7
B-R 11
BR-W 6
P 10
LG-B 9
R-W 5
B-Y 12
BR-Y 8
L-Y 13
B-W 3
VENT
B/L
HEAT
DEF
HEAT MODE S/W
M
H
A/C RELAY BOX
7
W-B
J AIR VENT MODE CONTROL SERVO MOTOR
W-B
W-B
W-B


L-R
G-O
E HEATER CONTROL ASSEMBLY
L HEATER CONTROL ASSEMBLY
Y
P
B-R
B-Y
BR-Y
L-Y
B-W
AMBIENT SENSOR
IN-CAR SENSOR
WATER VALVE VSV
SHORT PIN
K WATER TEMP S/W
20°C
40°C
COOL
WARM
VENT
HEAT
A/C OFF
A/C ON
MODE CONTROL S/W
WATER VALVE
POTENTIO METER
AIR MIX CONTROL SERVO MOTOR
J/B NO.1 SET BOLT
W-B


L-R
G-O
HEATER CONTROL ASSEMBLY
10A A/C
15A CIG
SOLAR SENSOR
DUAL PRESSURE S/W
MAGNET CLUTCH RELAY
CHECK CONNECTORS
A/C AMPLIFIER
THERMISTOR
MAGNET CLUTCH
TO TCCS ECU "A/C"
W-B



Ⓑ HEATER RELAY

4-5: CLOSED WITH IGNITION S/W ON AND BLOWER S/W ON

Ⓓ BLOWER RESISTOR

6-3: APPROX.0.22 Ω
3-2: APPROX.0.55 Ω
2-1: APPROX.0.90 Ω
1-4: APPROX.1.23 Ω

Ⓔ HEATER CONTROL ASSEMBLY

1-10: ALWAYS 12 VOLTS
2-10: 12 VOLTS WITH IGNITION S/W ON
3-10: CONTINUITY WITH BLOWER S/W AT AUTO POSITION
12-10: CONTINUITY WITH BLOWER S/W AT LO,MED,HI POSITION
13-10: CONTINUITY WITH BLOWER S/W AT MED POSITION
4-10: CONTINUITY WITH BLOWER S/W AT HI POSITION

Ⓕ BLOWER SPEED CONTROL S/W

5,4,3,6-8: EACH CLOSED WITH SERVO SHAFT MOVEMENT

Ⓙ AIR VENT MODE CONTROL SERVO MOTOR

3-13(8-12): CLOSED UNLESS HEATER CONTROL S/W A/T FOOT POSITION

Ⓚ WATER TEMP.S/W 20 °C(68 °F),40 °C(104 °F)

1-3: CLOSED WITH COOLANT TEMP.ABOVE 40 °C(104 °F)
2-4: CLOSED WITH COOLANT TEMP.ABOVE 60 °C(140 °F)

Ⓠ AIR MIX CONTROL SERVO MOTOR

5-6: RESISTANCE CHANGES RESPECTIVERY WITH SERVO SHAFT MOVEMENT
APPROX.1.9 KΩ AT MAX.COOL POSITION
APPROX.200 Ω AT MAX. HOT POSITION

Ⓦ DUAL PRESSURE S/W

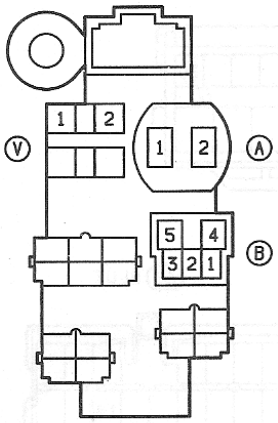
1-2: OPEN WITH PRESSURE LESS THAN 2.1 KG/CM² (30 PSI,206 KPA)
OR ABOVE 27 KG/CM² (384 PSI,2648 KPA)

Ⓒ HI PRESSURE S/W (CONDENSER FAN)

1-2: CLOSED ABOVE 18 KG/CM² (256 PSI,1765 KPA)
OPEN BELOW 14 KG/CM² (199 PSI,1373 KPA)

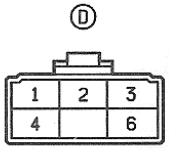
Ⓔ MAGNET CLUTCH

1-GROUND: APPROX.3.7 Ω


V
A
B

(R/B NO.4)


C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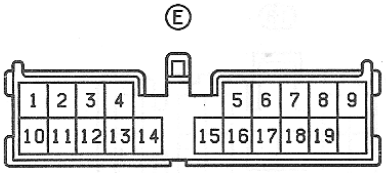
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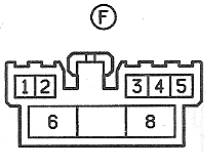
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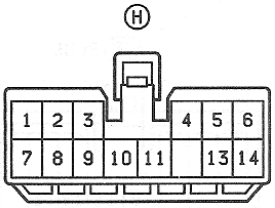
G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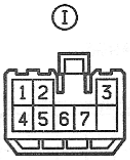
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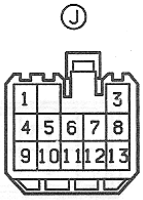
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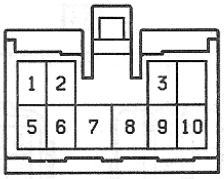
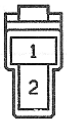
K


L


M


N BLACK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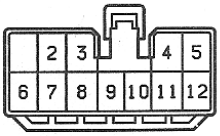
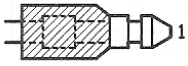
P

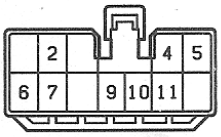

Q


R


S
1


T U
1

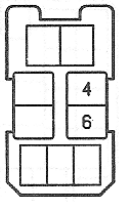

W


X

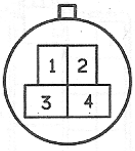

Y


Z


A*


B* BLACK

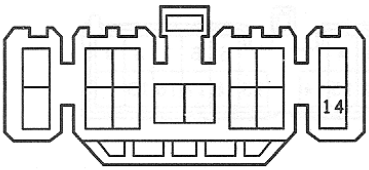
(J/B NO.2)


C*


D* GRAY


E* BLACK

1B



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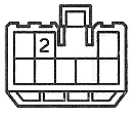
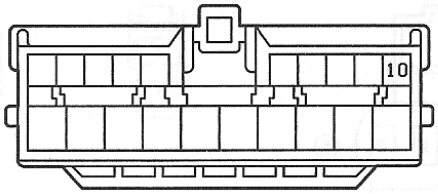
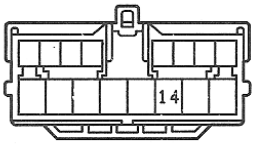


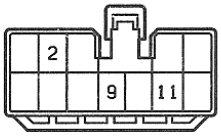
1G



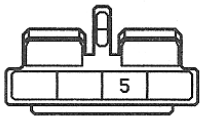
1L



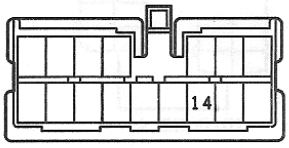
1N



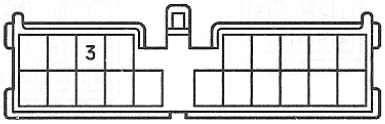
2B BLACK



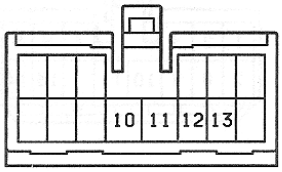
3B BLUE



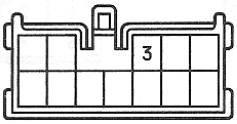
7A ORANGE



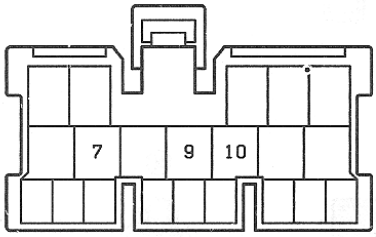
7B BLUE

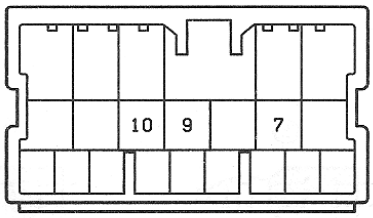


7C BROWN

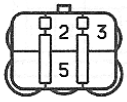


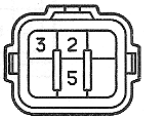
A1



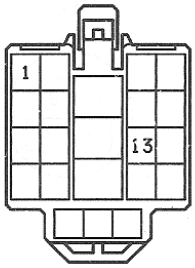


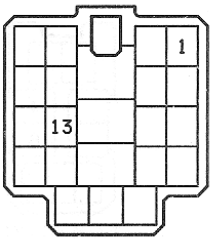
A3

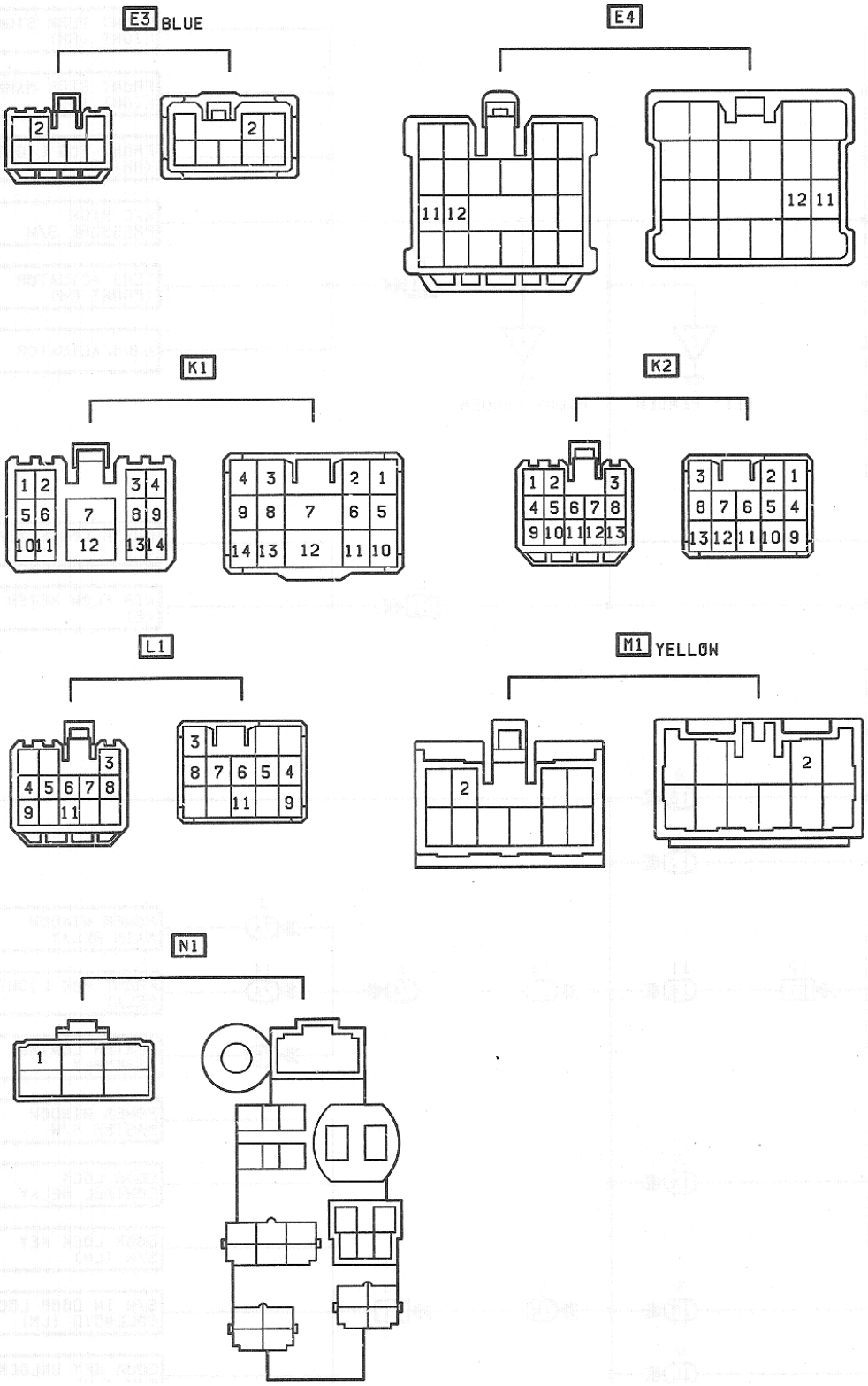




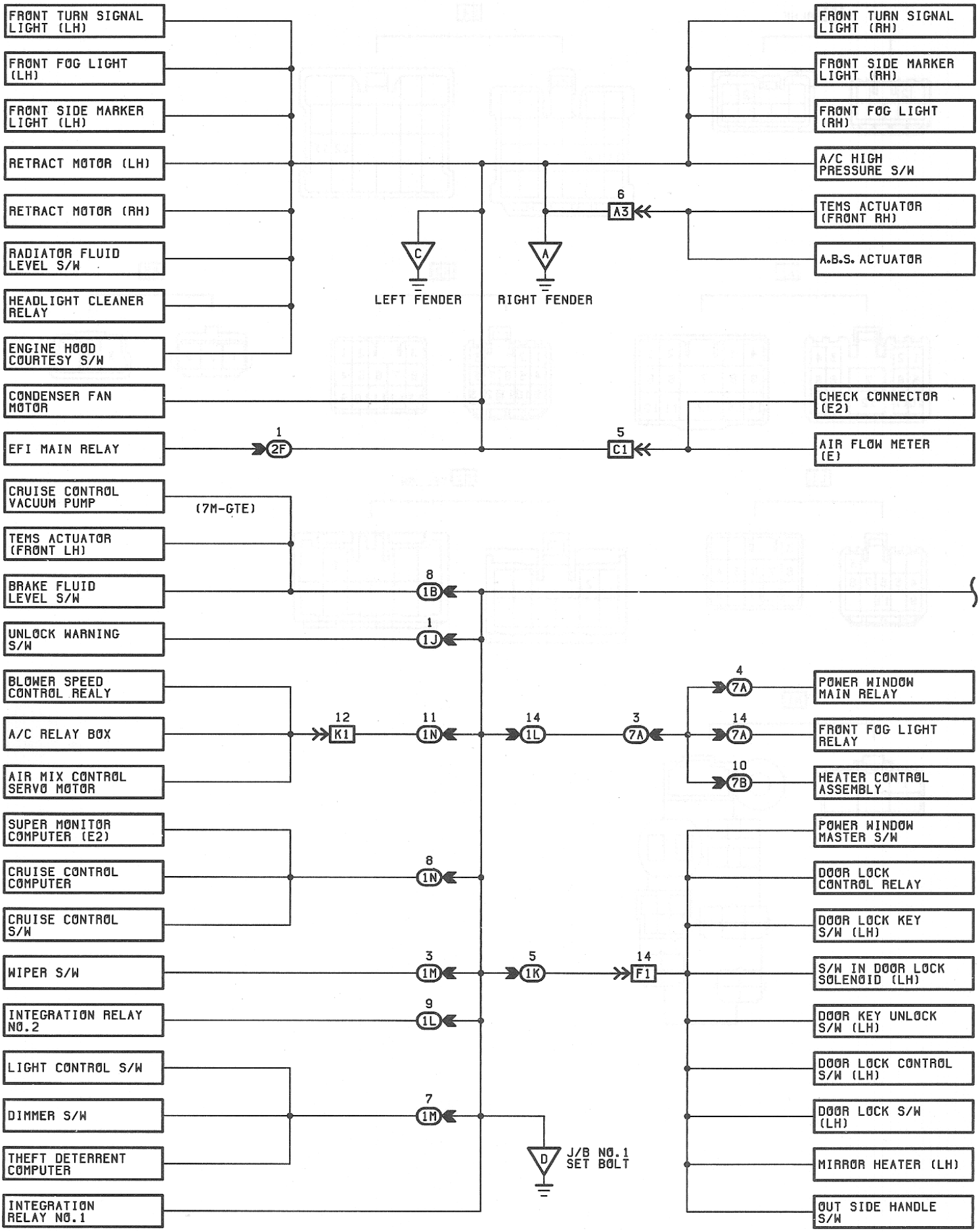
B1 YELLOW

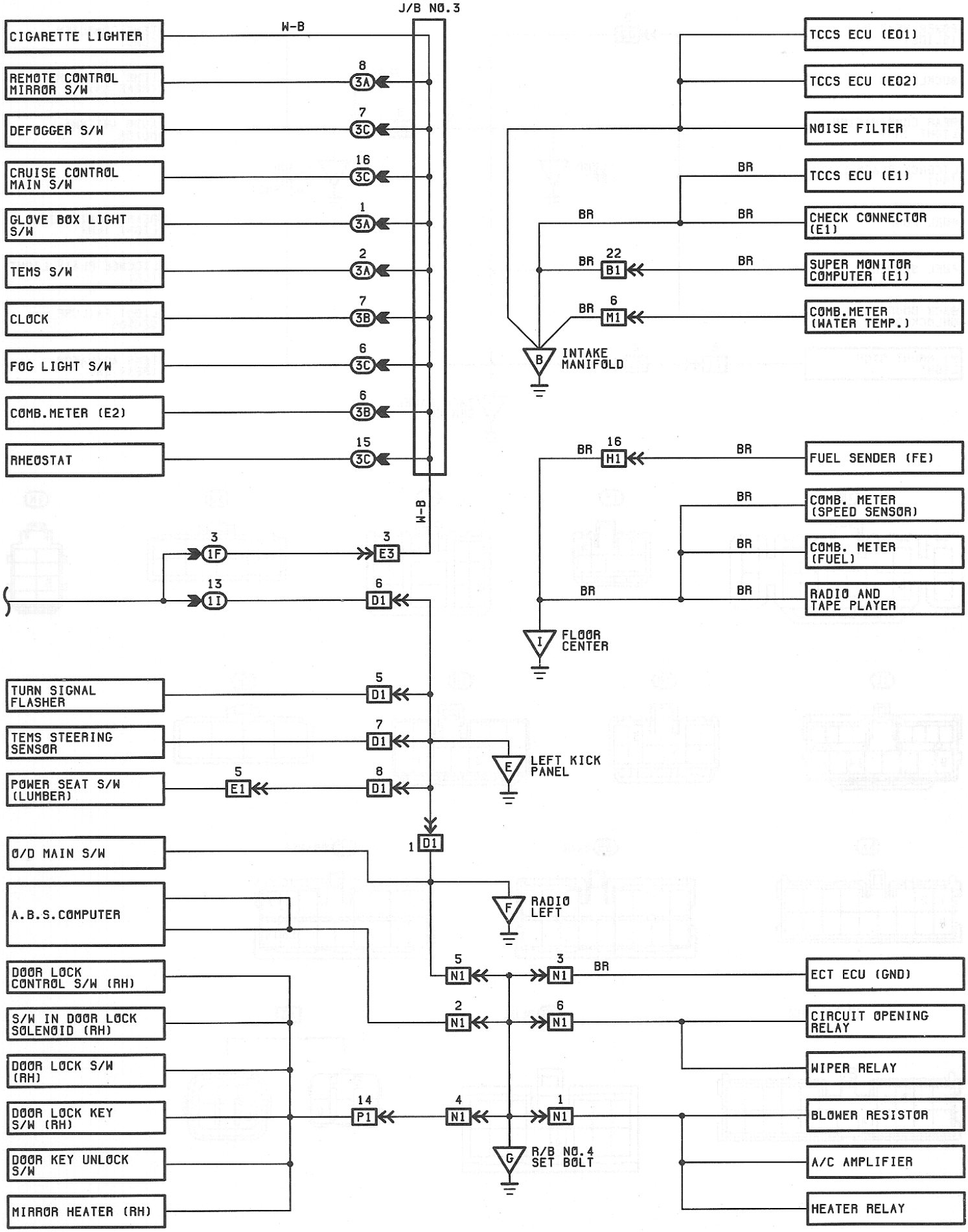




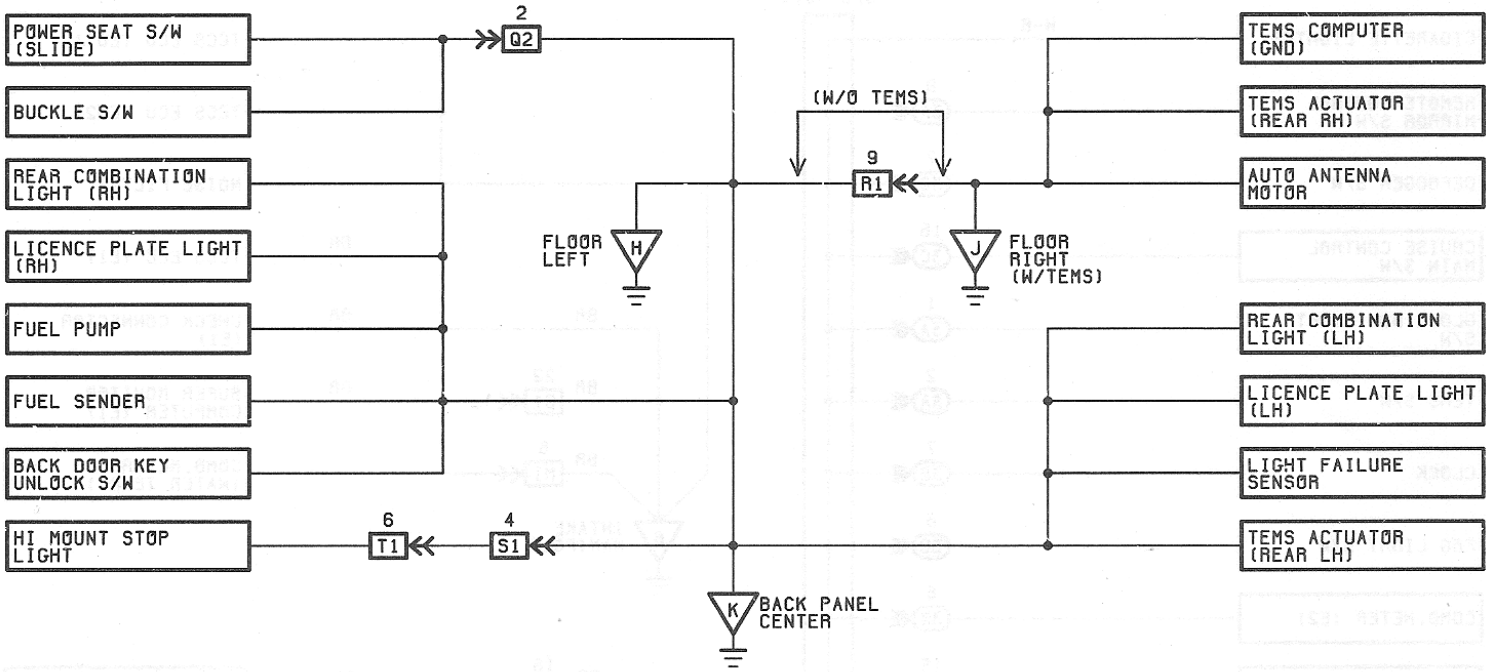

E3 BLUE
E4
K1
K2
K3
L1
M1 YELLOW
N1

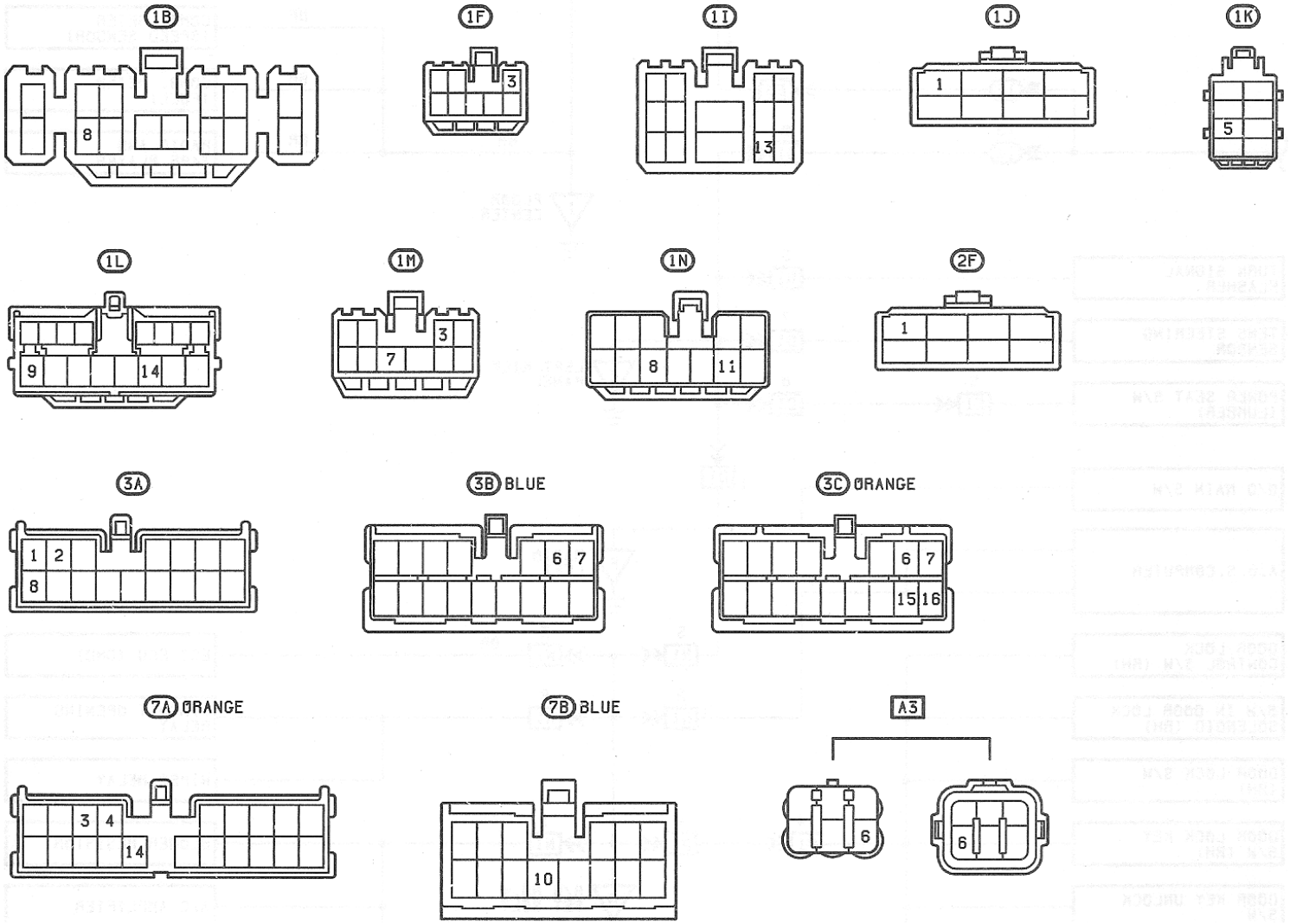
34 GROUND POINTS

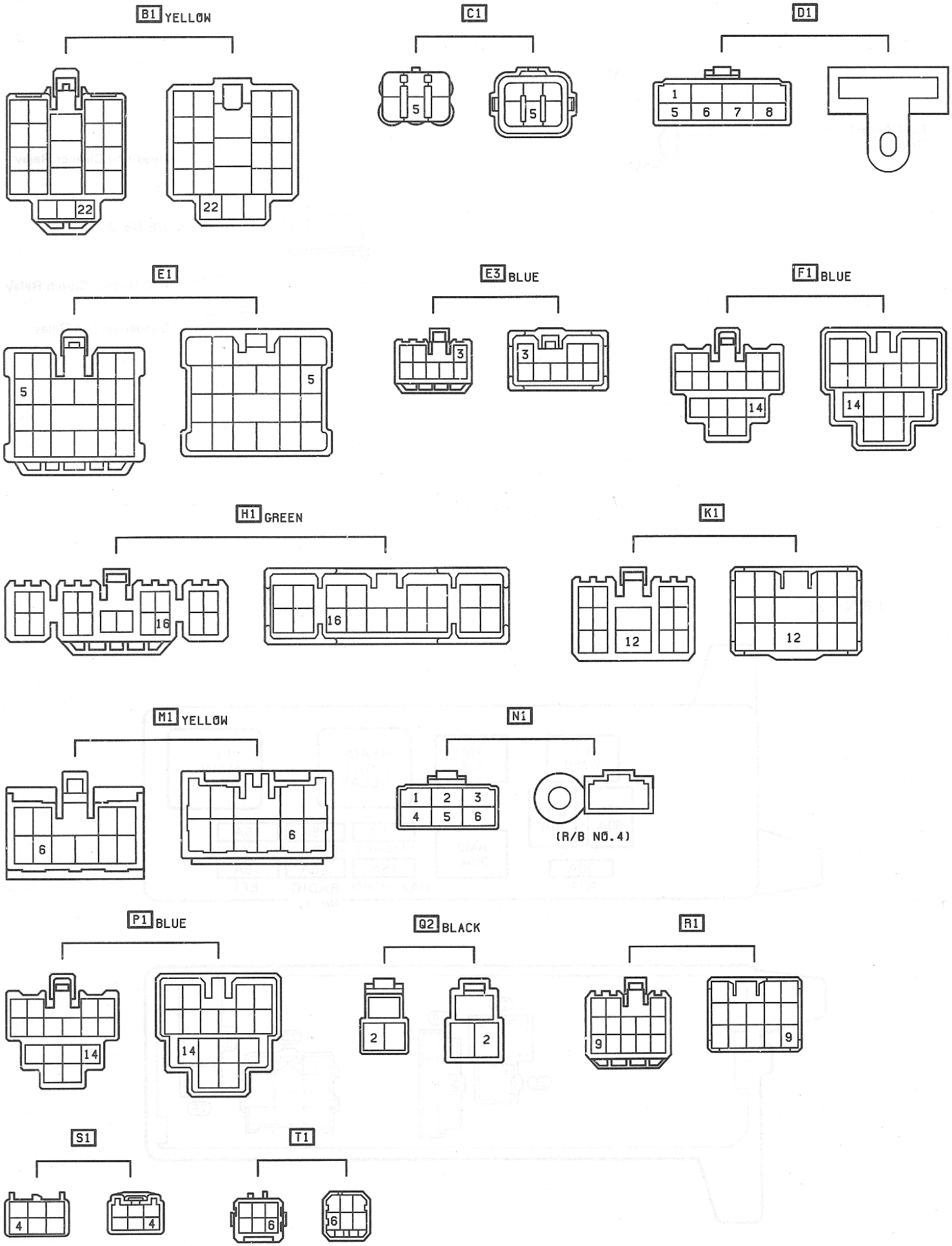



J/B NO.3
CIGARETTE LIGHTER
W-B
REMOTE CONTROL MIRROR S/W
8 3A
DEFOGGER S/W
7 3C
CRUISE CONTROL MAIN S/W
16 3C
GLOVE BOX LIGHT S/W
1 3A
TEMS S/W
2 3A
CLOCK
7 3B
FOG LIGHT S/W
6 3C
COMB.METER (E2)
6 3B
RHEOSTAT
15 3C
TCCS ECU (E01)
TCCS ECU (E02)
NOISE FILTER
BR
TCCS ECU (E1)
CHECK CONNECTOR (E1)
SUPER MONITOR COMPUTER (E1)
22 B1
COMB.METER (WATER TEMP.)
6 M1
B INTAKE MANIFOLD
16 H1
FUEL SENDER (FE)
COMB. METER (SPEED SENSOR)
COMB. METER (FUEL)
RADIO AND TAPE PLAYER
I FLOOR CENTER
W-B
3 1F
3 E3
13 1I
6 D1
TURN SIGNAL FLASHER
5 D1
TEMS STEERING SENSOR
7 D1
POWER SEAT S/W (LUMBER)
5 E1
8 D1
E LEFT KICK PANEL
1 D1
O/D MAIN S/W
A.B.S.COMPUTER
F RADIO LEFT
DOOR LOCK CONTROL S/W (RH)
5 N1
3 N1
ECT ECU (GND)
S/W IN DOOR LOCK SOLENOID (RH)
2 N1
6 N1
CIRCUIT OPENING RELAY
WIPER RELAY
DOOR LOCK S/W (RH)
DOOR LOCK KEY S/W (RH)
14 P1
4 N1
1 N1
BLOWER RESISTOR
DOOR KEY UNLOCK S/W
G R/B NO.4 SET BOLT
A/C AMPLIFIER
MIRROR HEATER (RH)
HEATER RELAY

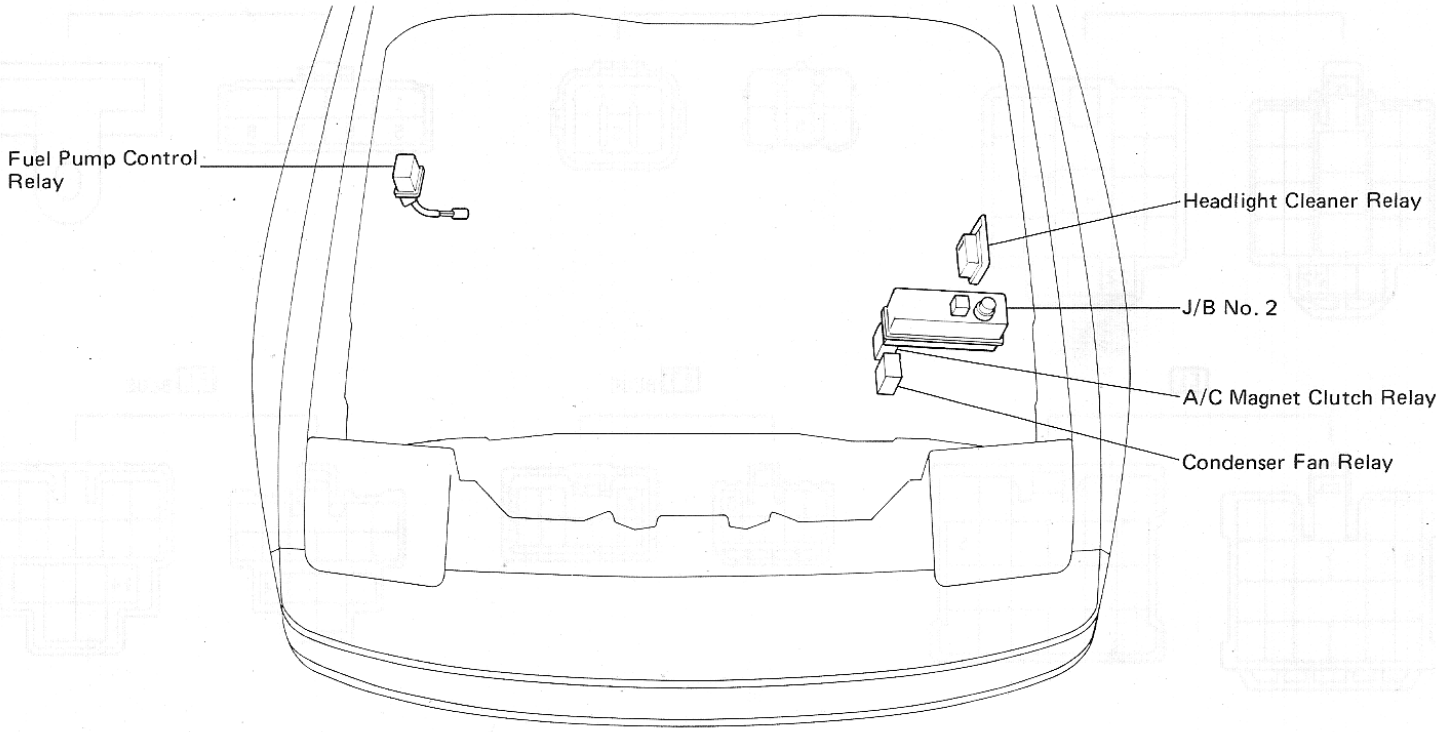
34 GROUND POINTS



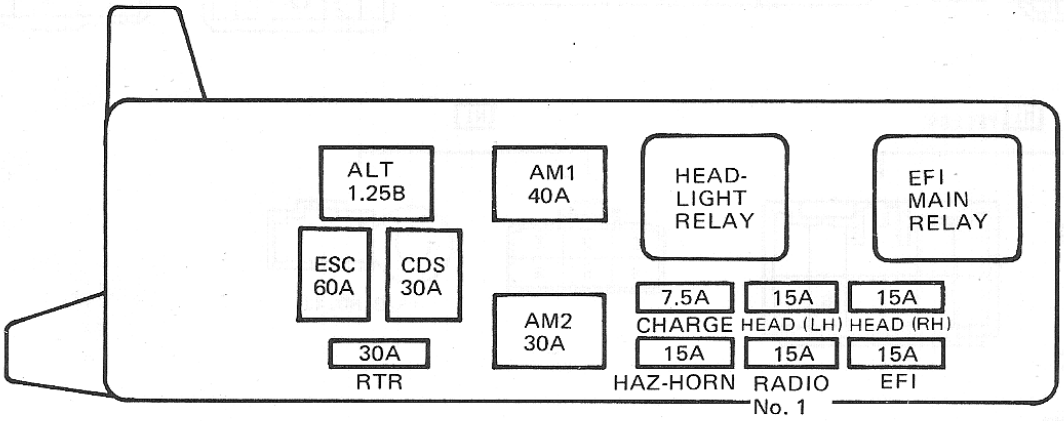


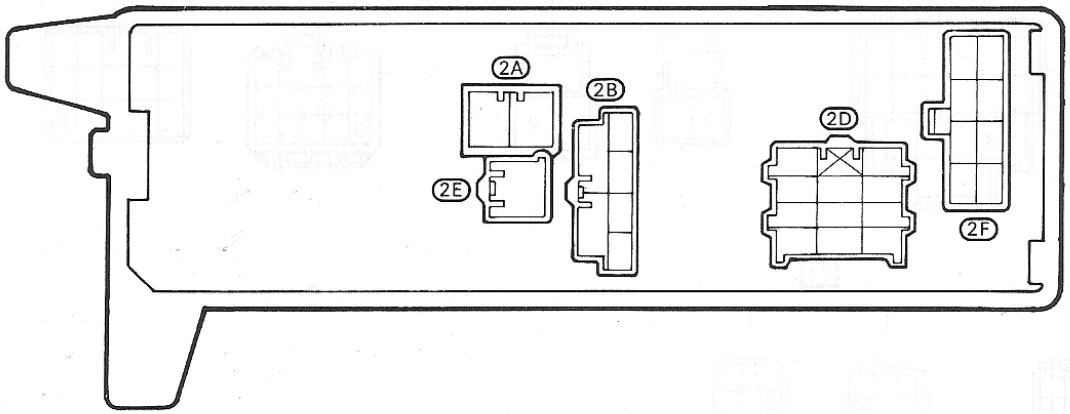

B1 YELLOW
22
22
C1
5
5
D1
1
5 6 7 8
E1
5
5
E3 BLUE
3
3
F1 BLUE
14
14
H1 GREEN
16
16
K1
12
12
M1 YELLOW
6
6
N1
1 2 3
4 5 6
(R/B NO.4)
P1 BLUE
14
14
Q2 BLACK
2
2
R1
9
9
S1
4
4
T1
6
6

RELAY LOCATIONS



J/B No. 2]





A/C Relay Box
(In Front of Heater Unit)

A/C Amplifier

TCCS ECU

A.B.S. Computer

Wiper Relay

Theft Deterrent Computer

Cruise Control Computer

J/B No. 7
(Inside of
Cowl Wire)

R/B No. 4

Super Monitor Computer

R/B No. 5

J/B No. 3

J/B No. 1

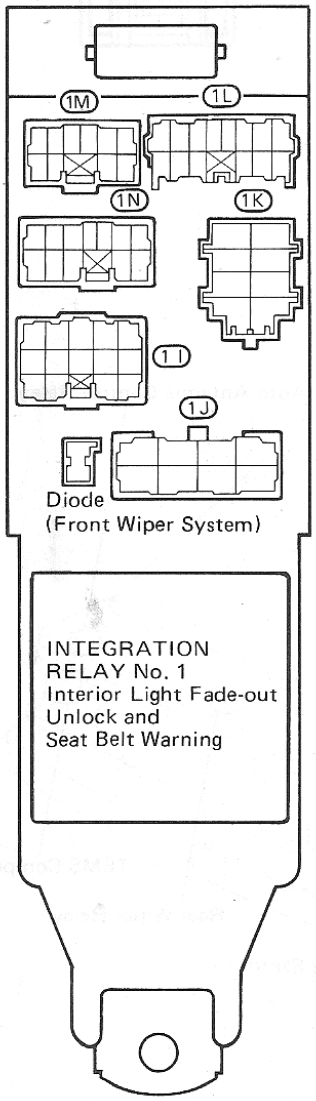
ECT ECU

Fog Light Relay

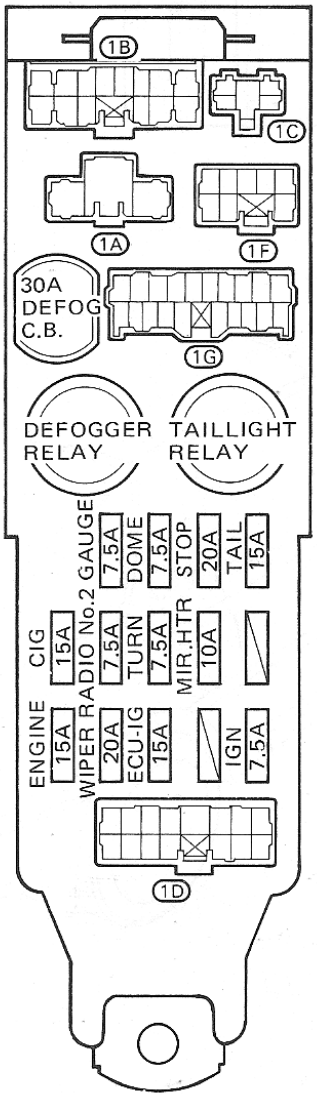
Integration Relay No. 2
(Retract Control and Light Auto Turn-off System)

15A Fog Fuse

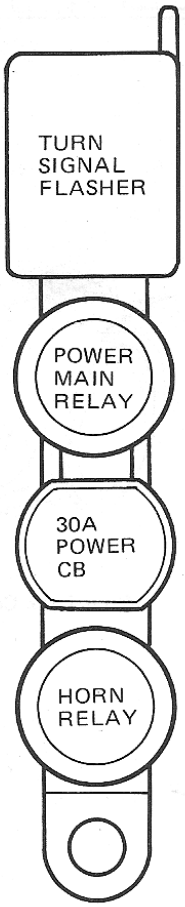
Integration Relay No. 1
(for Interior Light Fade-out, Unlock and Seat Belt Warning System)



[J/B No. 1]

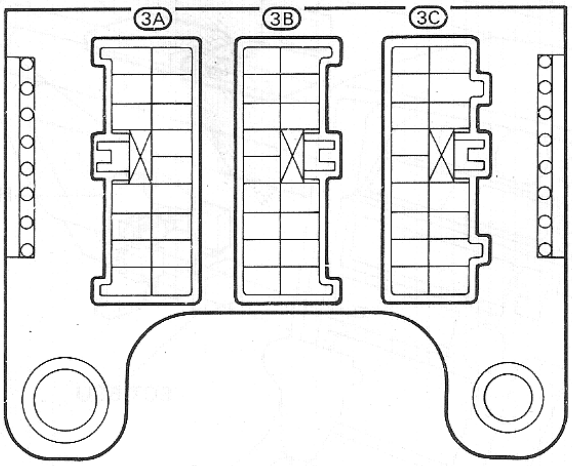


[R/B No. 5]

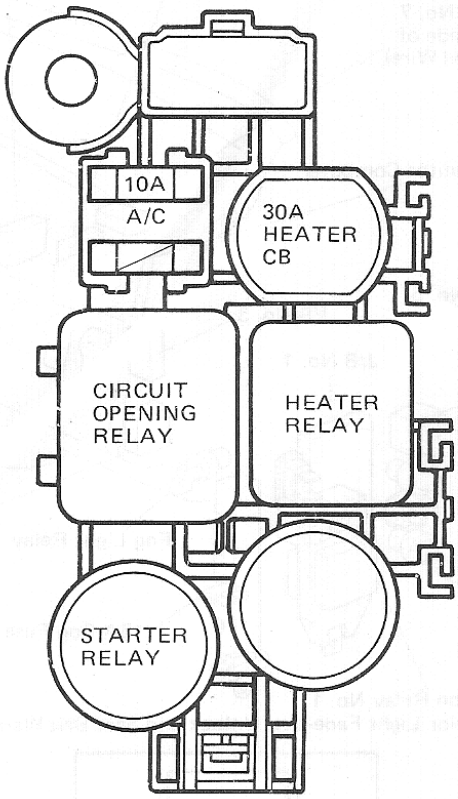


RELAY LOCATIONS

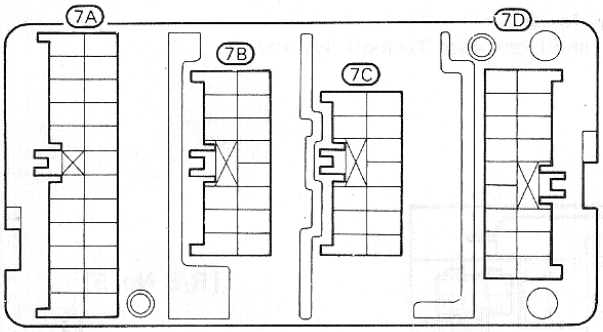
[J/B No.3]

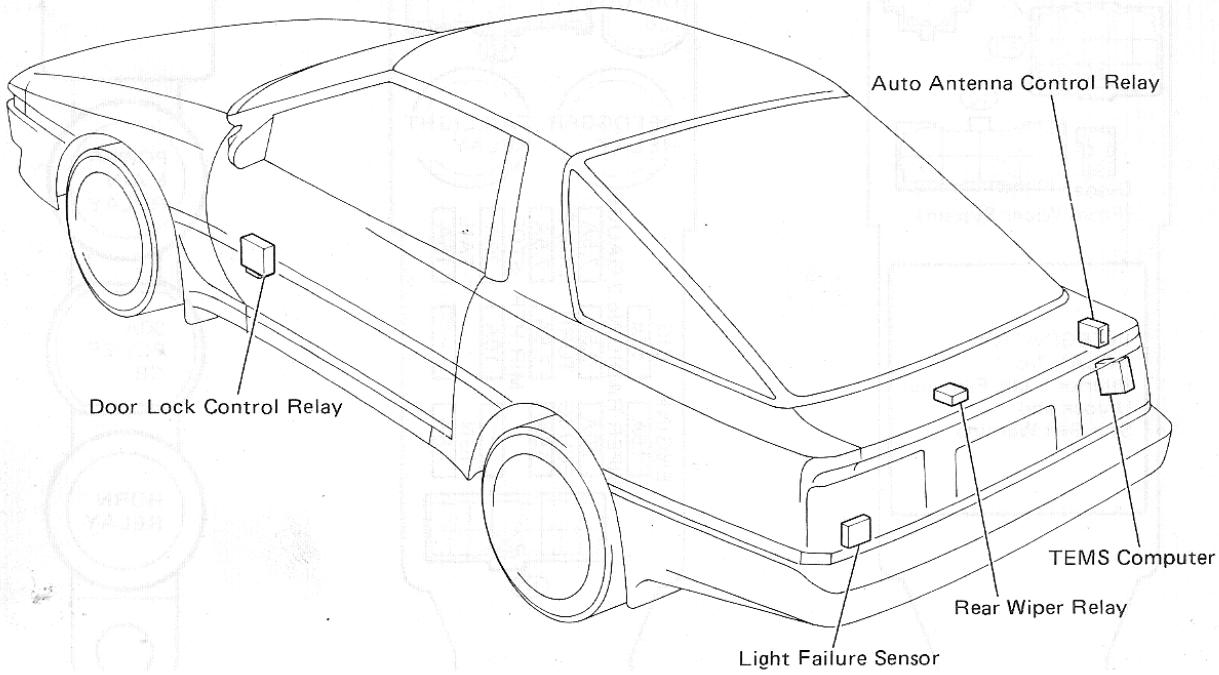


[R/B No. 4]

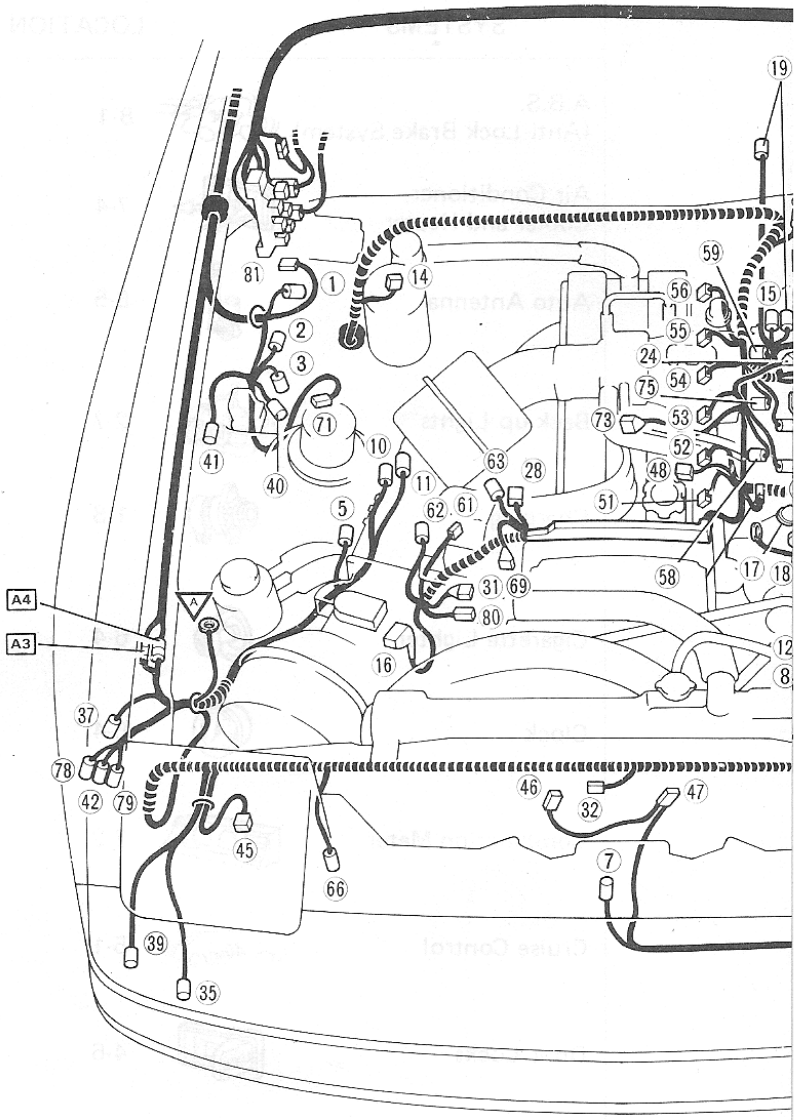


[J/B No. 7]

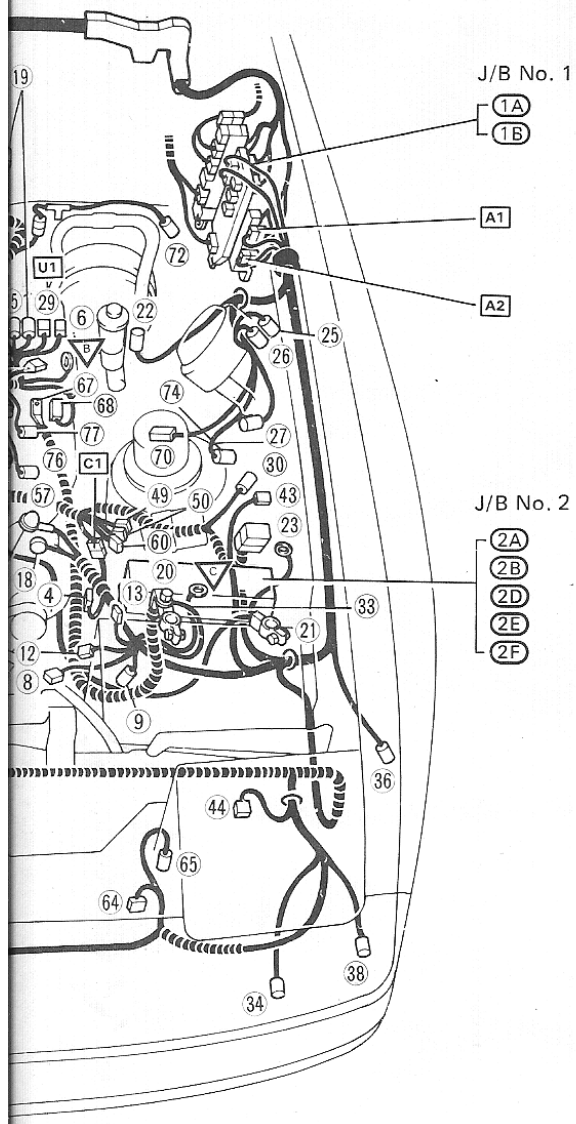




ELECTRICAL WIRING ROUTING



1, 2, 3 A.B.S. Actuator
4 A.B.S. Speed Sensor (Front LH)
5 A.B.S. Speed Sensor (Front RH)
6 A.B.S. Speed Sensor (Rear)
7 A/C Ambient Sensor
8 A/C Condenser Fan Motor
9 A/C Condenser Fan Relay
10 A/C Dual Pressure S/W
11 A/C Hi Pressure S/W (for Condenser Fan)
12 A/C Magnet Clutch
13 A/C Magnet Clutch Relay
14 A/C Water Valve VSV
15 A/T Indicator S/W (ECT)
16 Air Flow Meter
17, 18 Alternator
19 Back-up Light S/W (M/T) or Neutral Start S/W (A/T)
20 Battery ⊕
21 Battery ⊖
22 Brake Fluid Lever S/W
23 Check Connector
24 Cold Start Injector
25 Cruise Control Actuator
26 Cruise Control Vacuum Pump [7M-GTE]
27 Cruise Control Vacuum S/W [7G-GTE]
28 Distributor [7M-GE] or Cam Position Sensor [7M-GTE]
29 ECT Solenoid (ECT)
30 EFI Resistor
31 EFI Water Thermo Sensor
32 Engine Hood Courtesy S/W (for Theft Deterrent System)
33 FL 2.0L
34 Fog Light LH
35 Fog Light RH
36 Front Side Marker Light LH
37 Front Side Marker Light RH
38 Front Turn Signal and Clearance Light LH
39 Front Turn Signal and Clearance Light RH
40 Fuel Pump Control Relay
41 Fuel Pump Resistor
42 Headlight Cleaner Motor
43 Headlight Cleaner Relay
44 Headlight LH
45 Headlight RH
46, 47 Horn
48 Ignition Coil [7M-GTE]
49, 50 Ignition Coil and Igniter [7M-GE] or Igniter [7M-GTE]
51 Injector No. 1
52 Injecto
53 Injecto
54 Injecto
55 Injecto
56 Injecto
57 ISC Va
58 Knock
59 Knock
60 Noise F
61 Oil Pres
62 Ox Sen
63 Ox Sen
64 Radiato
65 Retract
66 Retract
67, 68 Starte
69 Start In
70 TEMS
71 TEMS
72 Theft D
73 Throttl
74 Turbo
75 VSV (f
76 VSV (f
77 VSV (f or VSV



R/B

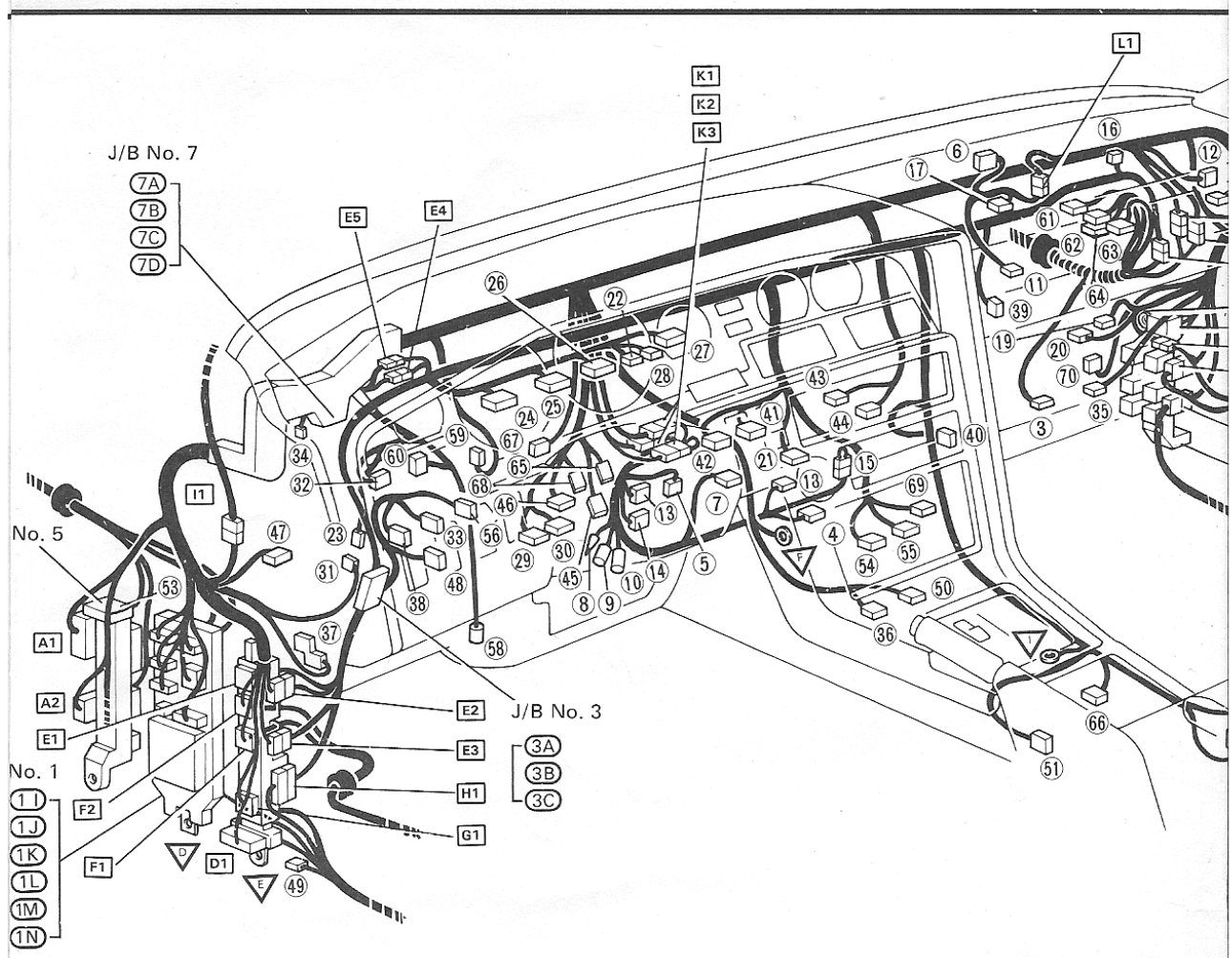
J/B
1A
1B
1C
1D
1F
1G

tor No. 2
tor No. 3
tor No. 4
tor No. 5
tor No. 6
Valve
k Sensor
k Sensor [7M-GTE]
e Filter (for Ignition System)
ressure Sender
ensor [7M-GE]
ensor [7M-GTE]
ator Fluid Level S/W
act Motor LH
act Motor RH
rter

Injector Time S/W
S Actuator Front LH
S Actuator Front RH
t Deterrent Horn
ttle Position sensor
o Pressure Sensor
(for EGR) [7M-GE]
(for Fuel Pressure Up)
(for Intake Air Control) [7M-GE]
SV (for EGR) [7M-GTE]

78 Washer Motor (Front)
79 Washer Motor (Rear)
80 Water Temp. Sender
81 Wiper Motor
1A, 1B } Engine Room Main Wire and J/B No. 1
2A, 2B, 2D, 2E, 2F } Engine Room Main Wire and J/B No. 2
A1, A2 } Engine Room Main Wire and Cowl Wire (Left Kick Panel)
A3, A4 } Engine Room Main Wire and, Cowl Wire (Right Fender)
C1 Engine Room Main Wire and Engine Wire (Engine Front Left)
U1 Engine Wire and Engine No.4 Wire (Engine Rear Left)
A Ground RightFender
B Ground Intake Manifold
C Ground Left Fender

1, 2 } A.B.S. Computer
3 AC Sensor [7M-GTE]
4 A/C Air Mix Control
5 A/C Air Vent Mode C
6 A/C Amplifier
7 A/C Blower Speed Co
8, 9, 10 } A/C Check Connect
11 A/C In-car Sensor
12 A/C Recirc/Fresh Cor
13, 14 } A/C Relay Box
15 A/C Short Pin
16 A/C Solar Sensor
17 A/C Thermistor
18 A/C Water Temp. S/W
19 Blower Motor
20 Blower Resistor
21 Cigarette Lighter
22 Clock
23 Clutch Start S/W
24, 25, 26, 27 } Combination Meter
28 Combination Meter (
29, 30 } Combination S/W
31 Cruise Control Clutch
32 Cruise Control Compu
33 Cruise Control Main S



Servo Motor
ontrol Servo Motor

ntrol S/W

ors

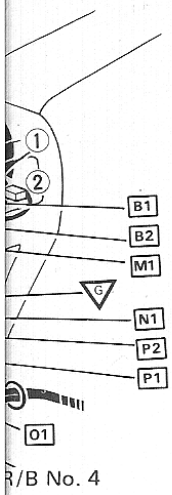
ıtrol Servo Motor

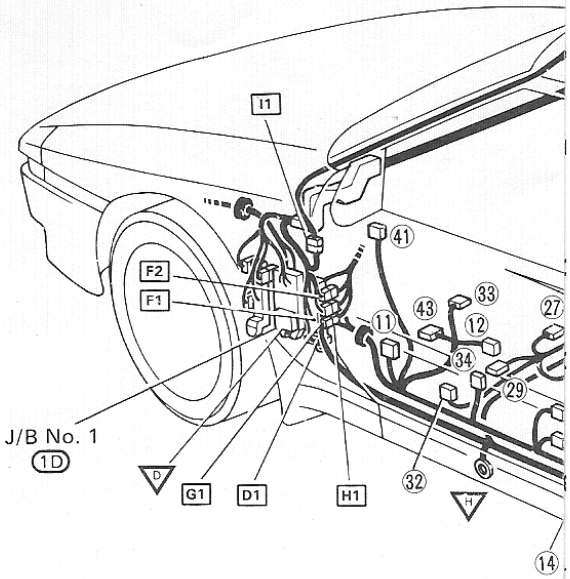
7M-GTE)

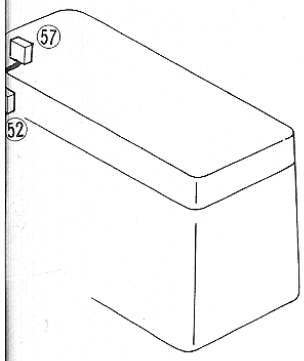
S/W
ıter
S/W

34 Diode (for Fog Light System)
35 ECT ECU
36 ECT Pattern Select S/W
37 Fog Light Relay
38 Fog Light S/W
39 Glove Box Light
40 Glove Box Light S/W
41 Hazard S/W
42 Headlight Cleaner S/W
43, 44 Heater Control Assembly
45 Ignition Key Cylinder Light
46 Ignition S/W
47 Integration Relay No.2 (Retract Control Relay)
48 Light Control Rheostat
49 Noise Filter (for Rear Window Defogger)
50 O/D Main S/W and A/T Indicator Light
51 Parking Brake S/W
52 Power Seat S/W (for Lumber and Side Support)
53 R/B No.5 (Turn Signal Flasher, Power Main Relay, 30A Power CB, Horn Relay)
54, 55 Radio and Tape Player
56 Rear Window Defogger S/W
57 Remote Control Mirror S/W
58 Step Light
59 Stop Light S/W and Cruise Control Stop S/W
60 Super Monitor Computer
61, 62, 63 TCCS ECU
64 TCCS ECU [7M-GTE]
65 TEMS Steering Sensor
66 TEMS S/W
67 Theft Deterrent Computer
68 Unlock Warning S/W
69 Window Antenna Amplifier
70 Wiper Relay

1A, 1B Engine Room Main Wire and J/B No.
1C, 1F, 1G, 1I, 1J, 1K, 1L, 1M, 1N Cowl Wire and J/B No.1
1D Floor Wire and J/B No.1
3A, 3B, 3C Instrument Panel Wire and J/B No. 3 (Instrument Panel)
7A, 7B, 7C, 7D Cowl Wire and J/B No.7 (Instrument Panel Left)
A1, A2 Engine Room Main Wire and Cowl W (Left Kick Panel)
B1, B2 Engine Wire and Cowl Wire (Behind Glove Box)
D1 Cowl Wire and Ground Left Kick Pane (Left Kick Panel)







E1, E2, E3 — Cowl Wire and Instrument Panel Wire (Left Kick Panel)

E4 — Cowl Wire and Instrument Panel Wire (Instrument Panel Left)

E5 — Cowl Wire and Instrument Panel Wire (Imstrument Panel Left) [7M-GTE]

F1, F2 — Cowl Wire and Front Door LH Wire (Left Kick Panel)

G1 — Cowl Wire and Floor Wire (Left Kick Panel)

H1 — Instrument Wire and Floor Wire (Left Kick Panel)

I1 — Cowl Wire and Roof Wire (Left Kick Panel)

K1, K2, K3 — Cowl Wire and Heater Wire (Instrument Panel Center)

L1 — Cowl Wire and A/C Wire (Behind Glove Box)

M1 — Engine Wire and Instrument Panel Wire (Behind Glove Box)

N1 — Cowl Wire and R/B No.4 Set Bolt (Right Kick Panel)

O1 — Cowl Wire and Floor No.2 Wire (Right Kick Panel)

P1, P2 — Cowl Wire and Front Door RH Wire (Right Kick Panel)

D — Ground J/B No.1 Set Bolt

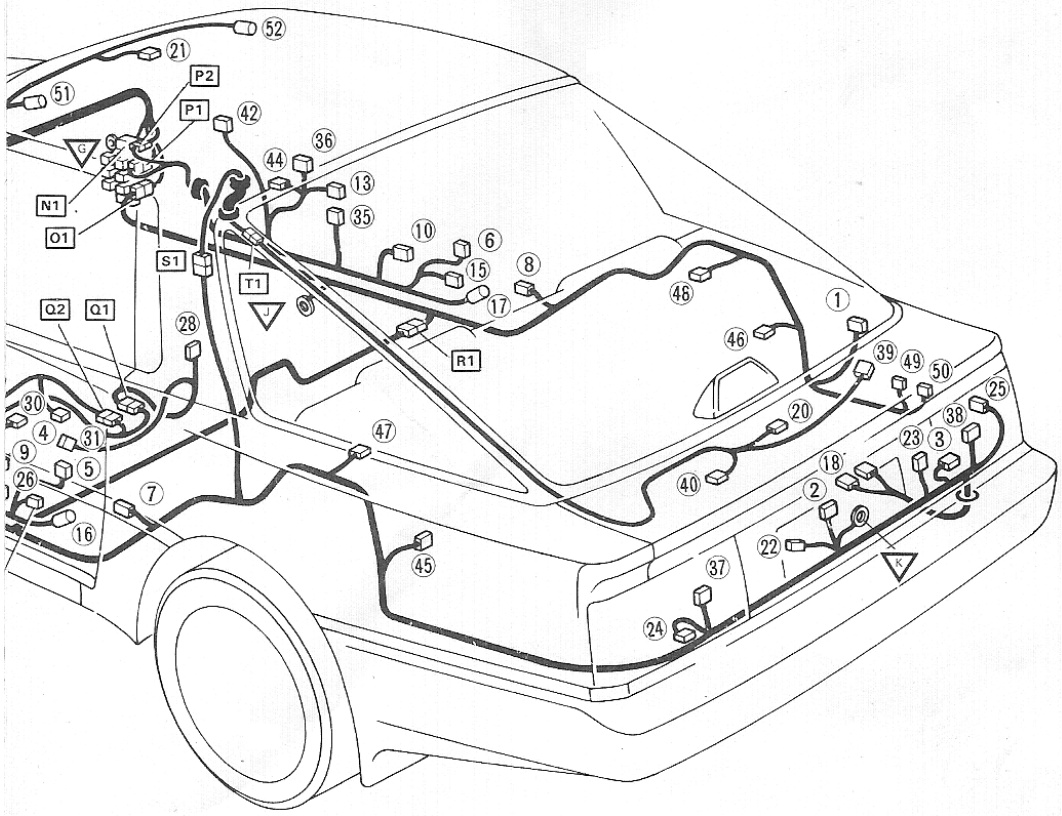
E — Ground Left Kick Panel

F — Ground Radio Left

G — Ground R/B No.4 Set Bolt

I — Ground Floor Center

1. Auto Antenna Motor and Control Relay
2. Back Door Courtesy S/W
3. Back Door Key Unlock S/W (for Theft Deterrent System)
4. Buckle S/W
5. Door Courtesy Light LH
6. Door Courtesy Light RH
7. Door Courtesy S/W LH
8. Door Courtesy S/W RH
9. Door Key Unlock S/W LH (for Theft Deterrent System) and Door Key Cylinder Light
10. Door Key Unlock S/W RH (for Theft Deterrent System)
11. Door Lock Control Relay
12. Door Lock Control S/W LH
13. Door Lock Control S/W RH
14. Door Lock S/W LH (for Theft Deterrent System) and Door Lock Key S/W LH (for Door Lock System)
15. Door Lock S/W RH (for Theft Deterrent System) and Door Lock Key S/W RH (for Door Lock System)
16. Door Lock Solenoid and S/W LH
17. Door Lock Solenoid and S/W RH
18. Fuel Pump
19. Fuel Sender
20. High Mount Stop Light
21. Interior Light
22. Licence Light LH
23. Licence Light RH
24. Light Failure Sensor



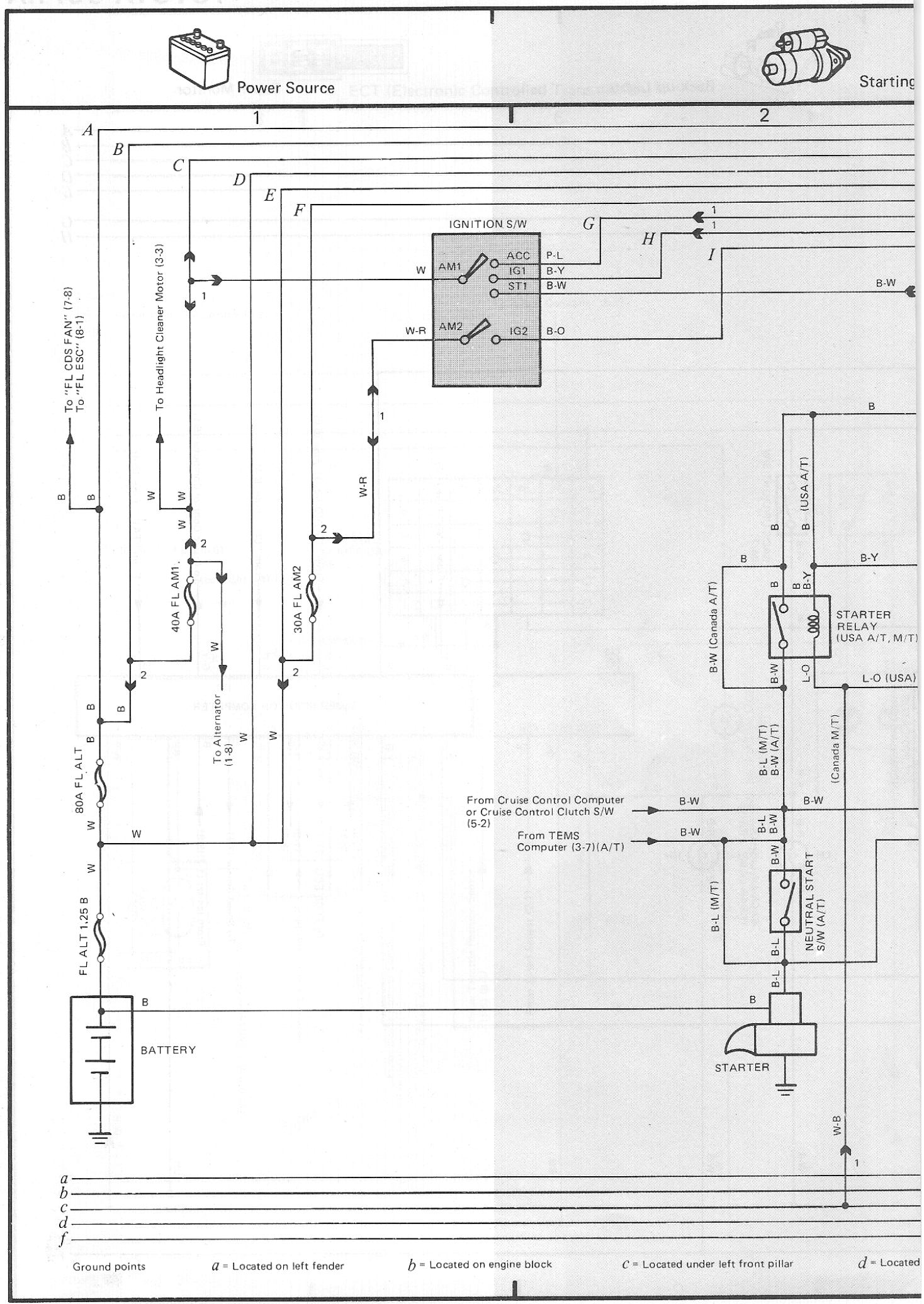
(25) Luggage Compartment Light
(26) Outside Handle S/W (for Interior Light System)
(27) Power Seat Motor (for Front Vertical)
(28) Power Seat Motor (for Lumber Support)
(29) Power Seat Motor (for Rear Vertical)
(30) Power Seat Motor (for Seat Slide)
(31) Power Seat Motor (for Side Support)
(32) Power Seat S/W (for Vertical and Slide)
(33) Power Window Master S/W
(34) Power Window Motor LH
(35) Power Window Motor RH
(36) Power Window S/W (Assistant)
(37) Rear Combination and Side Marker Light LH
(38) Rear Combination and Side Marker Light RH
(39) Rear Window Defogger Choke Coil
(40) Rear Wiper Motor and Relay
(41) Remote Control Mirror and Mirror Heater LH
(42) Remote Control Mirror and Mirror Heater RH
(43) Speaker Front LH
(44) Speaker Front RH
(45) Speaker Rear LH
(46) Speaker Rear RH
(47) TEMS Actuator Rear LH
(48) TEMS Actuator Rear RH
(49) } TEMS Computer
(50) }
(51) Vanity Mirror Light LH
(52) Vanity Mirror Light RH
(1D) Floor Wire and J/B No.1
D1 Cowl Wire and Ground Left Kick Panel (Left Kick Panel)
F1 } Cowl Wire and Front Door LH Wire
F2 } (Left Kick Panel)
G1 Cowl Wire and Floor Wire (Left Kick Panel)
H1 Instrument Panel Wire and Floor Wire (Left Kick Panel)
I1 Cowl Wire and Roof Wire
N1 Cowl Wire and R/B No.4 Set Bolt (Right Kick Panel)
O1 Cowl Wire and Floor No.2 Wire (Right Kick Panel)
P1 } Cowl Wire and Front Door RH Wire
P2 } (Right Kick Panel)
Q1 Floor Wire and Seat Wire (Lumber and Side Support) (Under LH Seat)
Q2 Floor Wire and Seat Wire (Vertical and Slide) (Under LH Seat)
R1 Floor Wire and Floor No.2 Wire (Floor Right)
S1 Floor Wire and Back Door No.1 Wire (Left Center Pillar)
T1 Back Door No.1 Wire and Back Door No. 2 Wire (Back Door Left)
▽D Ground J/B No.1 Set Bolt
▽E Ground Left Kick Panel
▽H Ground Floor Left
▽J Ground Floor Right
▽K Ground Back Panel Center

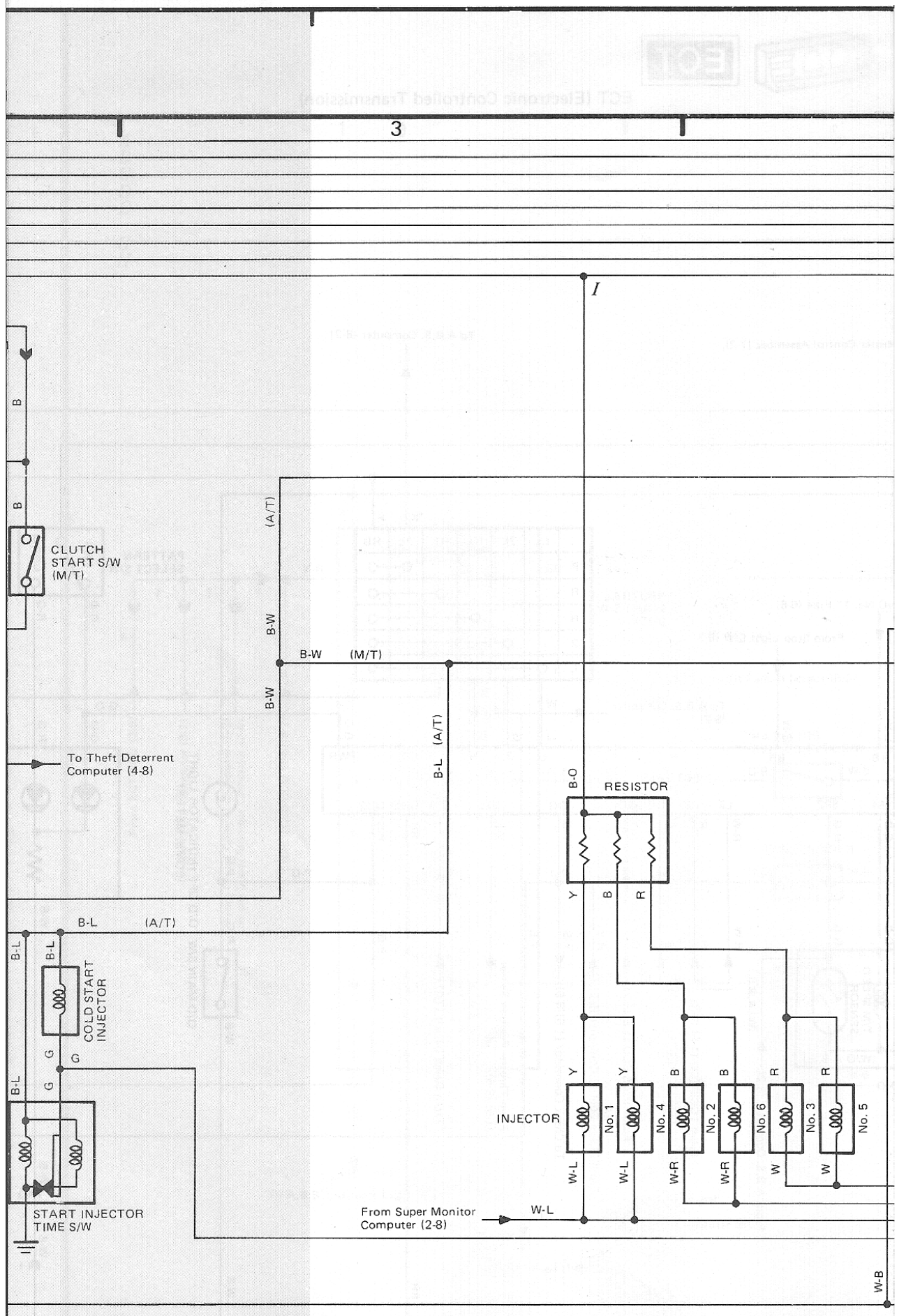
SYSTEM INDEX

TOYOTA SUPRA

1987 Model (Page 1 to Page 8)

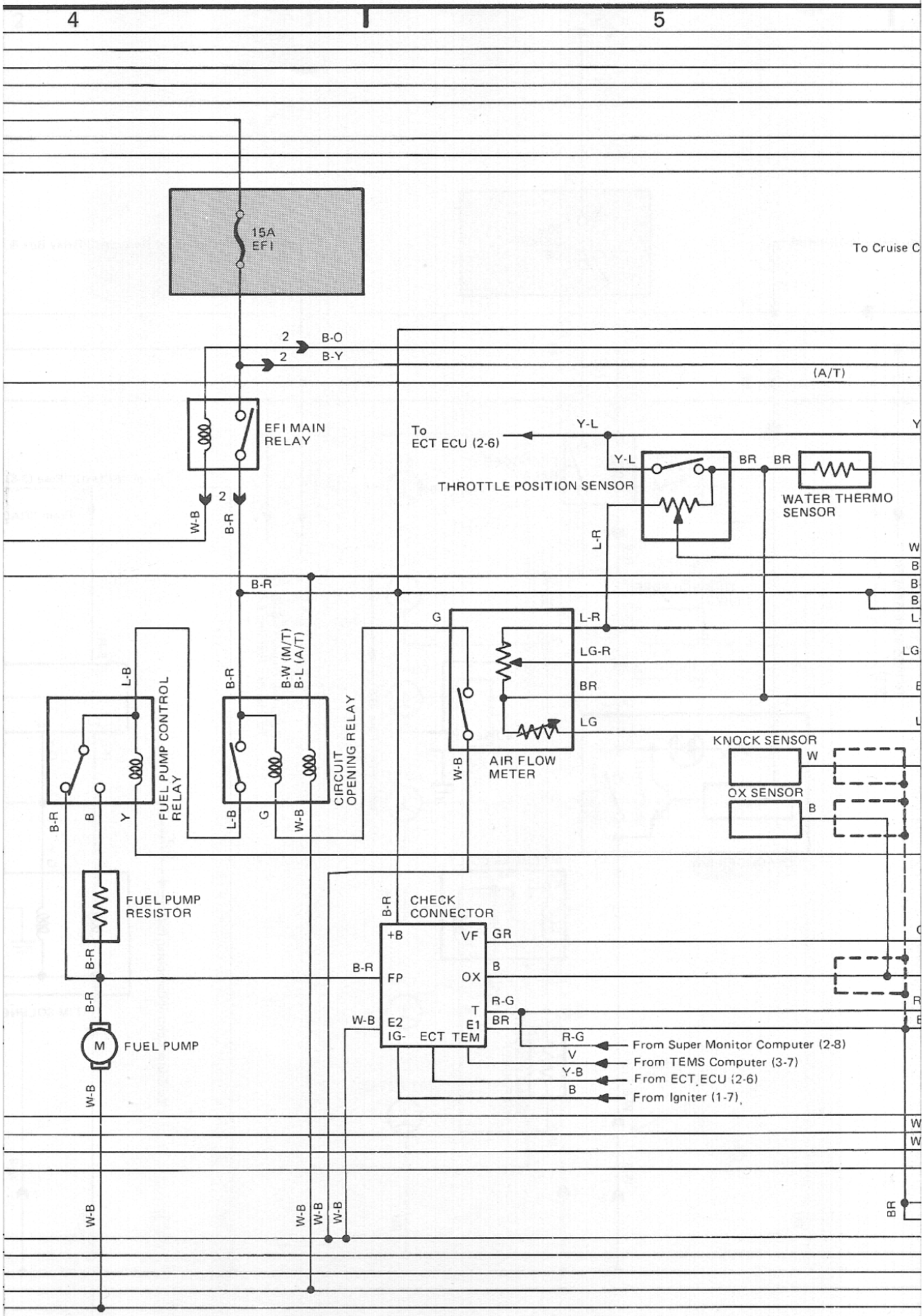
TOYOTA SUPRA ELECTRICAL WIRING DIAGRAM-1987 Model (Page

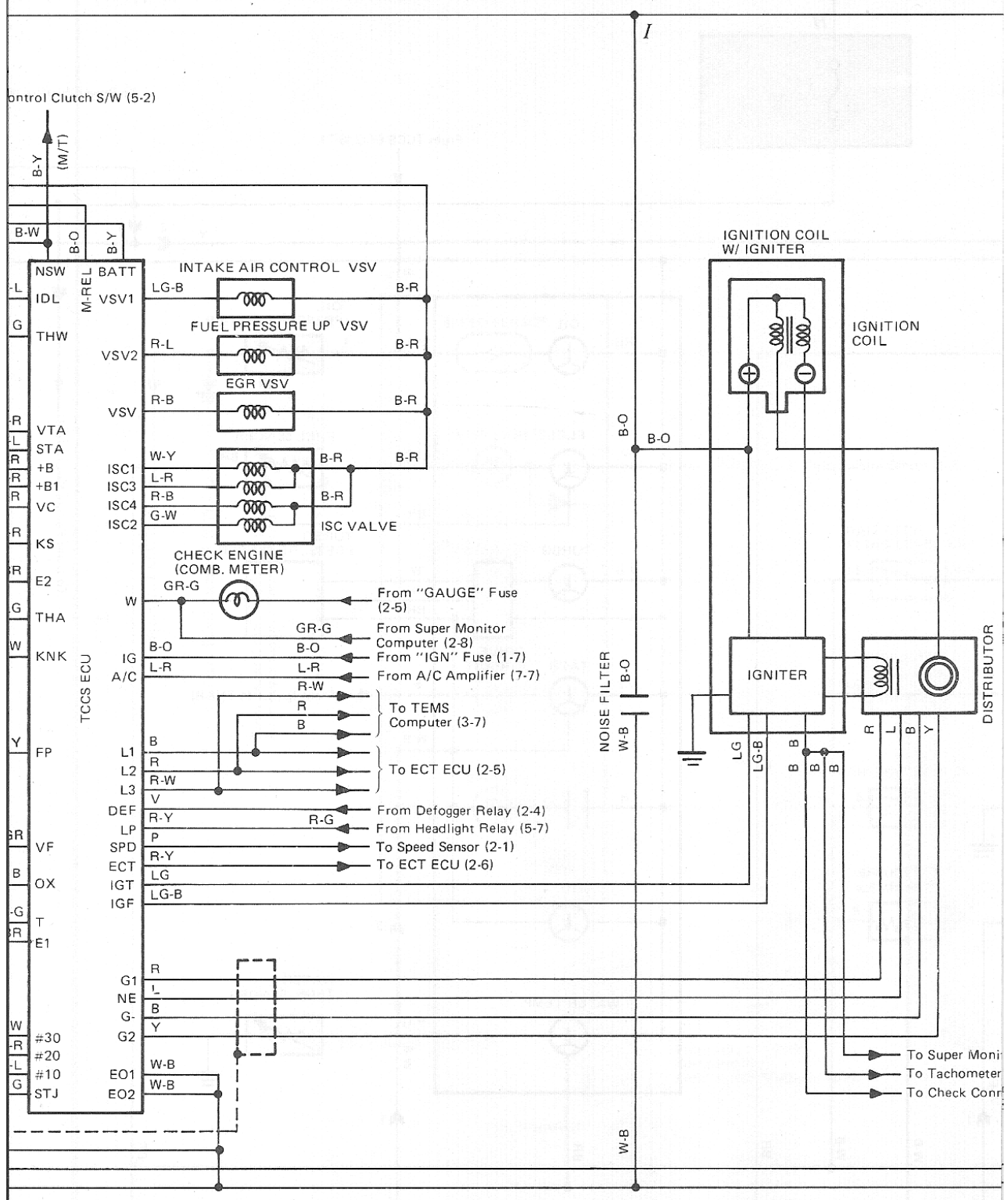


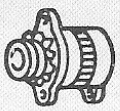


under right front pillar

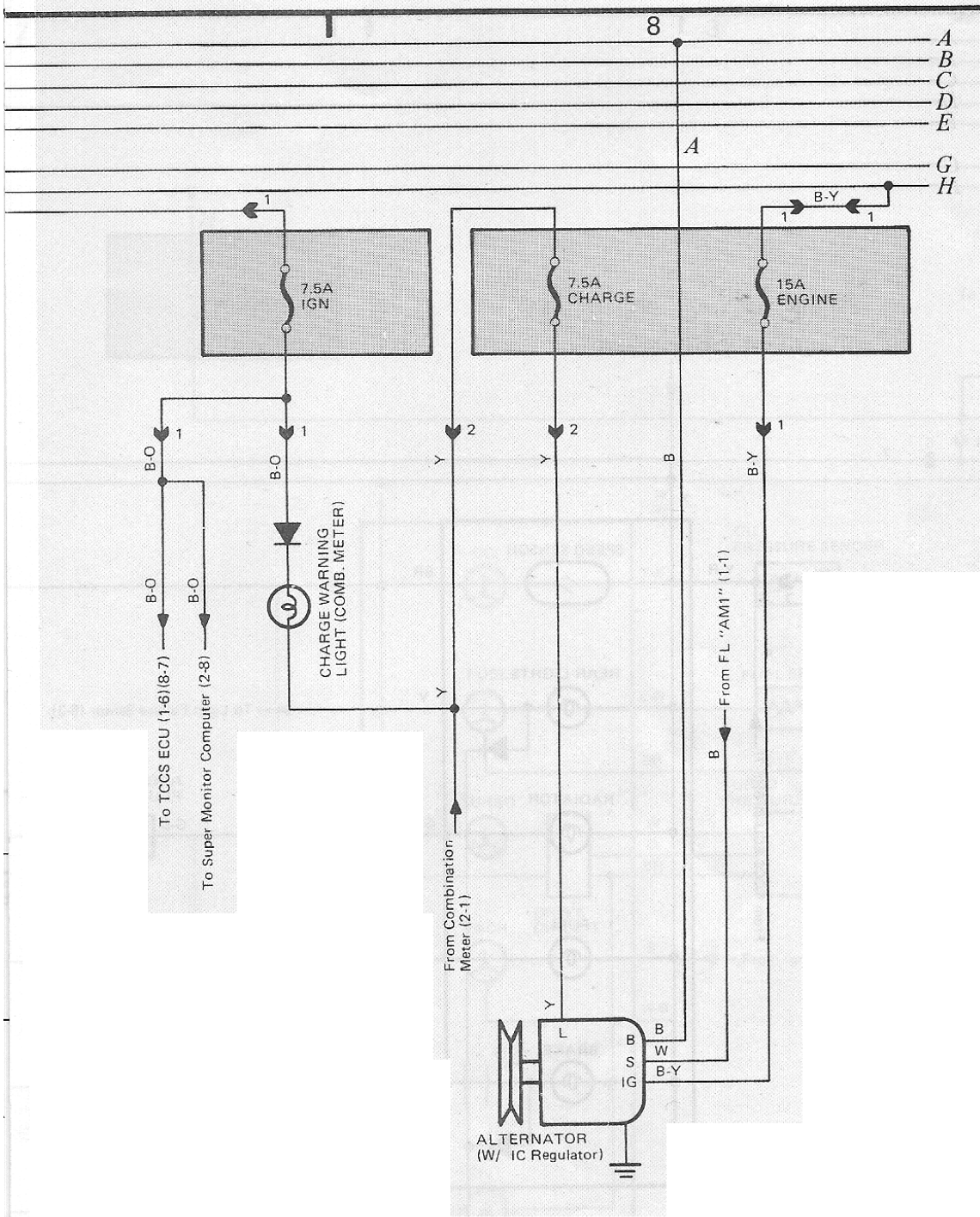
f = Located on back panel


4
5
15A
EFI
To Cruise C
2
B-O
2
B-Y
(A/T)
EFI MAIN
RELAY
To
ECT ECU (2-6)
Y-L
Y-L
BR
BR
THROTTLE POSITION SENSOR
WATER THERMO
SENSOR
W-B
B-R
2
L-R
B-R
G
L-R
LG-R
BR
LG
L-B
B-R
B-W (M/T)
B-L (A/T)
FUEL PUMP CONTROL
RELAY
CIRCUIT
OPENING RELAY
AIR FLOW
METER
W-B
KNOCK SENSOR
W
OX SENSOR
B
B-R
B
Y
L-B
G
W-B
FUEL PUMP
RESISTOR
B-R
CHECK
CONNECTOR
+B
VF
GR
B-R
FP
OX
B
T
R-G
E1
BR
W-B
E2
IG-
ECT
TEM
R-G
From Super Monitor Computer (2-8)
V
From TEMS Computer (3-7)
Y-B
From ECT ECU (2-6)
B
From Igniter (1-7)
M
FUEL PUMP
W-B
W-B
W-B
W-B
BR


6
7
I
ontrol Clutch S/W (5-2)
B-Y
(M/T)
B-W
B-O
B-Y
NSW
BATT
M-REL
IDL
VSV1
THW
VSV2
VSV
VTA
STA
+B
+B1
VC
KS
E2
THA
KNK
FP
VF
OX
T
E1
#30
#20
#10
STJ
TCCS ECU
INTAKE AIR CONTROL VSV
LG-B
B-R
FUEL PRESSURE UP VSV
R-L
B-R
EGR VSV
R-B
B-R
W-Y
B-R
B-R
ISC1
ISC3
ISC4
ISC2
L-R
R-B
G-W
B-R
ISC VALVE
CHECK ENGINE
(COMB. METER)
GR-G
W
From "GAUGE" Fuse
(2-5)
GR-G
From Super Monitor
Computer (2-8)
B-O
B-O
From "IGN" Fuse (1-7)
IG
A/C
L-R
L-R
From A/C Amplifier (7-7)
R-W
R
B
To TEMS
Computer (3-7)
B
R
R-W
To ECT ECU (2-5)
L1
L2
L3
V
DEF
R-Y
From Defogger Relay (2-4)
LP
R-G
From Headlight Relay (5-7)
P
SPD
To Speed Sensor (2-1)
R-Y
ECT
To ECT ECU (2-6)
LG
IGT
LG-B
IGF
R
G1
L
NE
B
G-
Y
G2
W-B
EO1
W-B
EO2
B-O
B-O
NOISE FILTER
B-O
W-B
W-B
IGNITION COIL
W/ IGNITER
IGNITION
COIL
IGNITER
DISTRIBUTOR
LG
LG-B
B
B
B
B
R
L
B
Y
To Super Moni
To Tachometer
To Check Conn

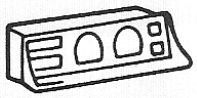


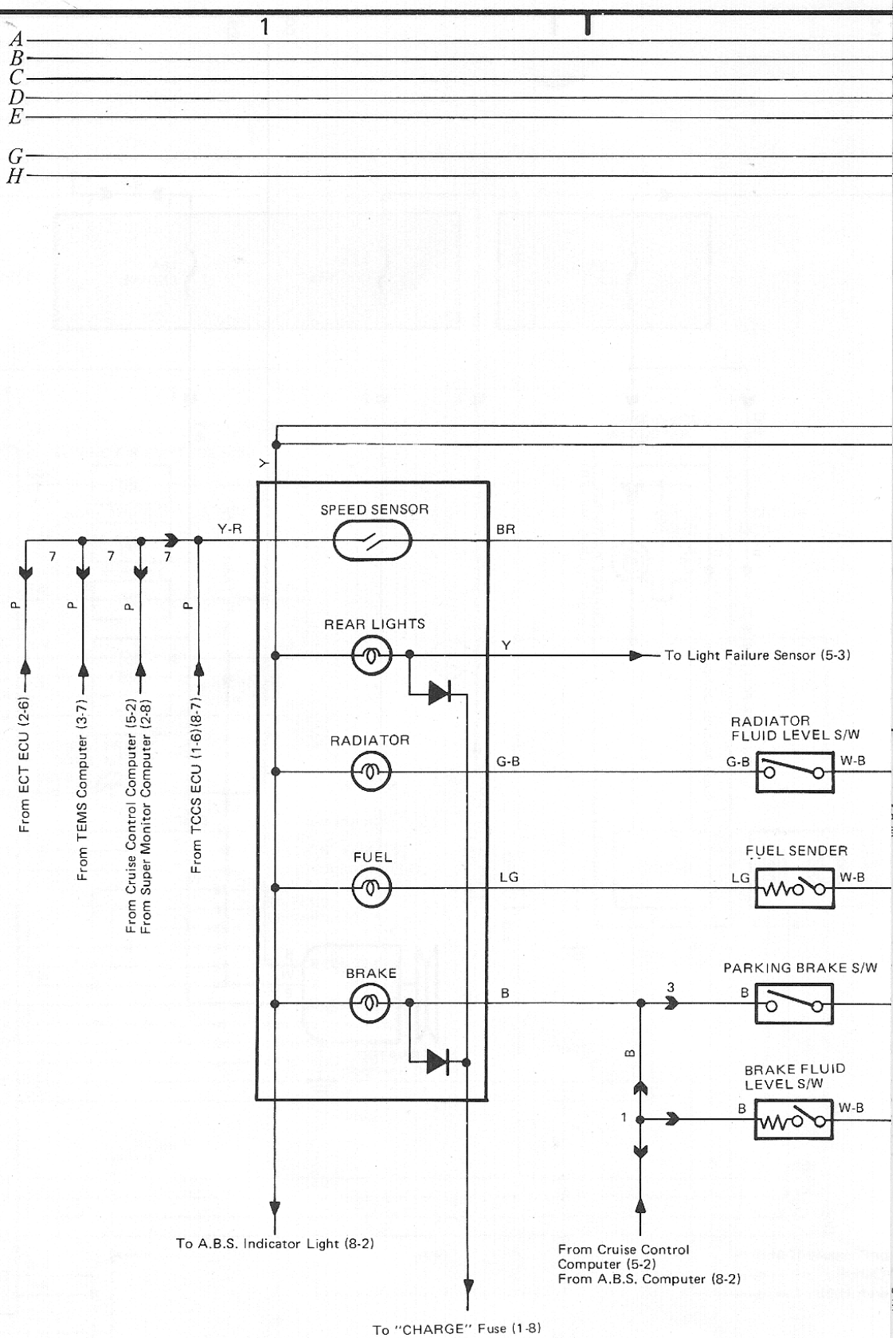
Charging



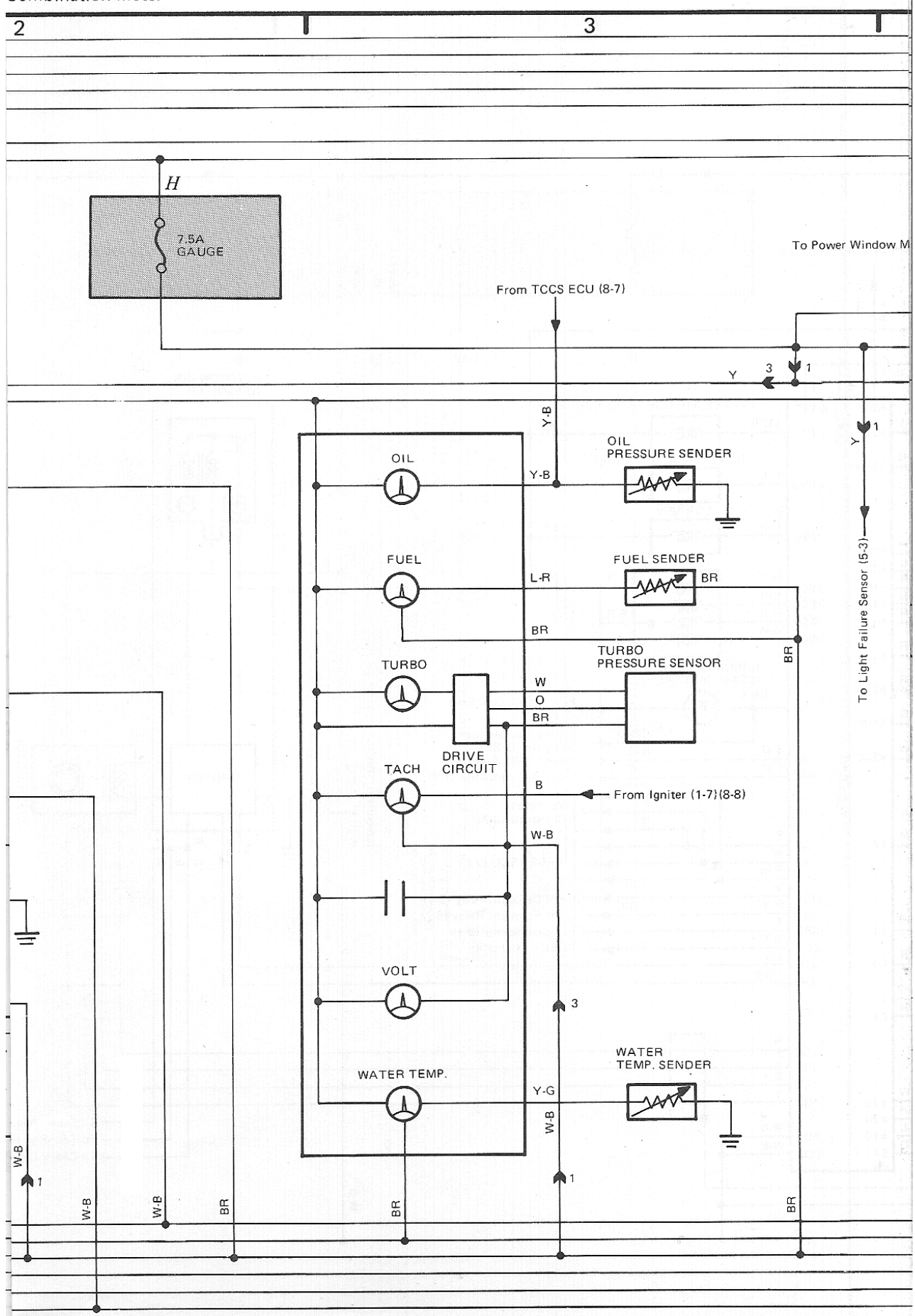
or Computer (2-8)
(2-3)
ector (1-5)

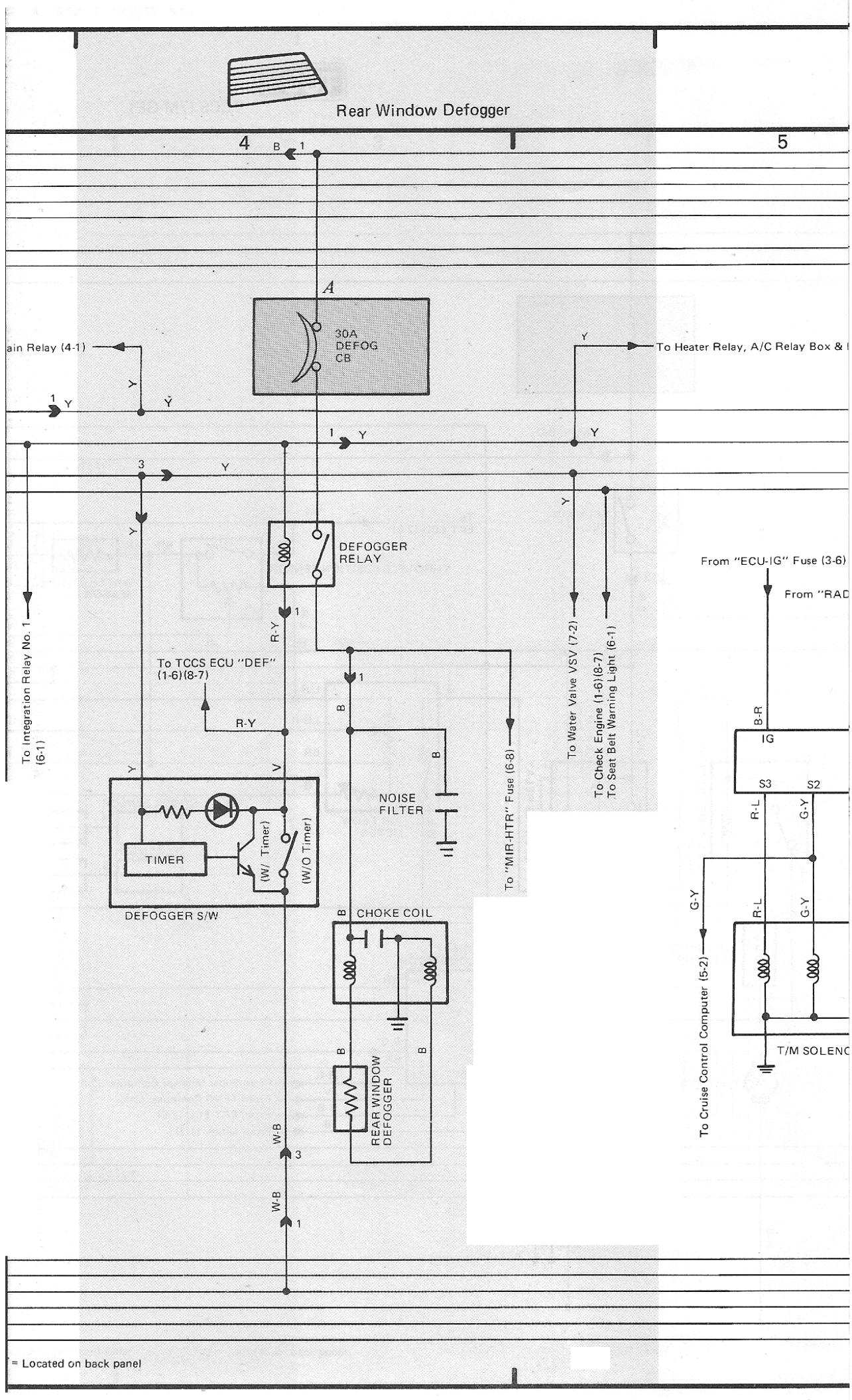
a
b
c
d
f

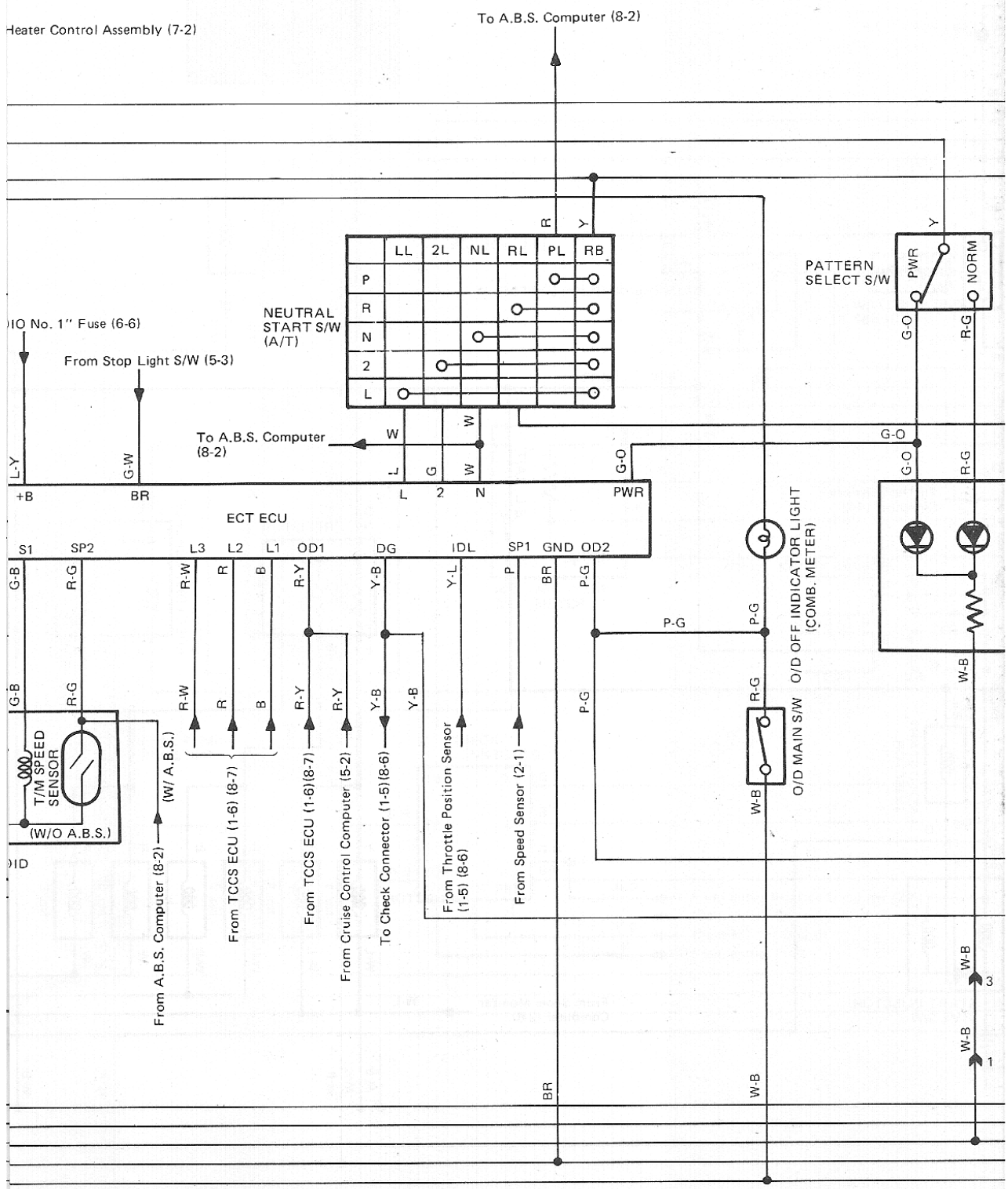


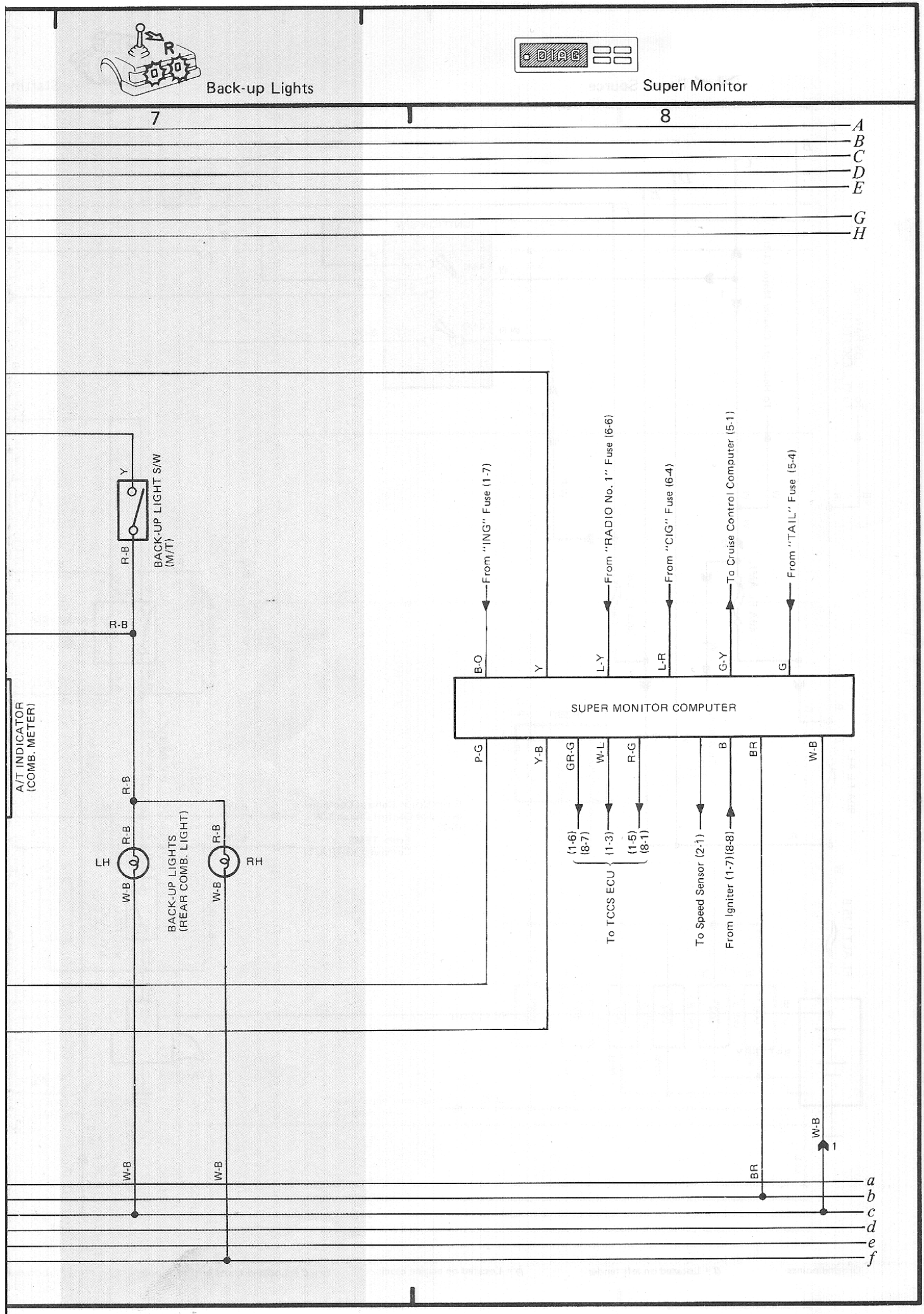


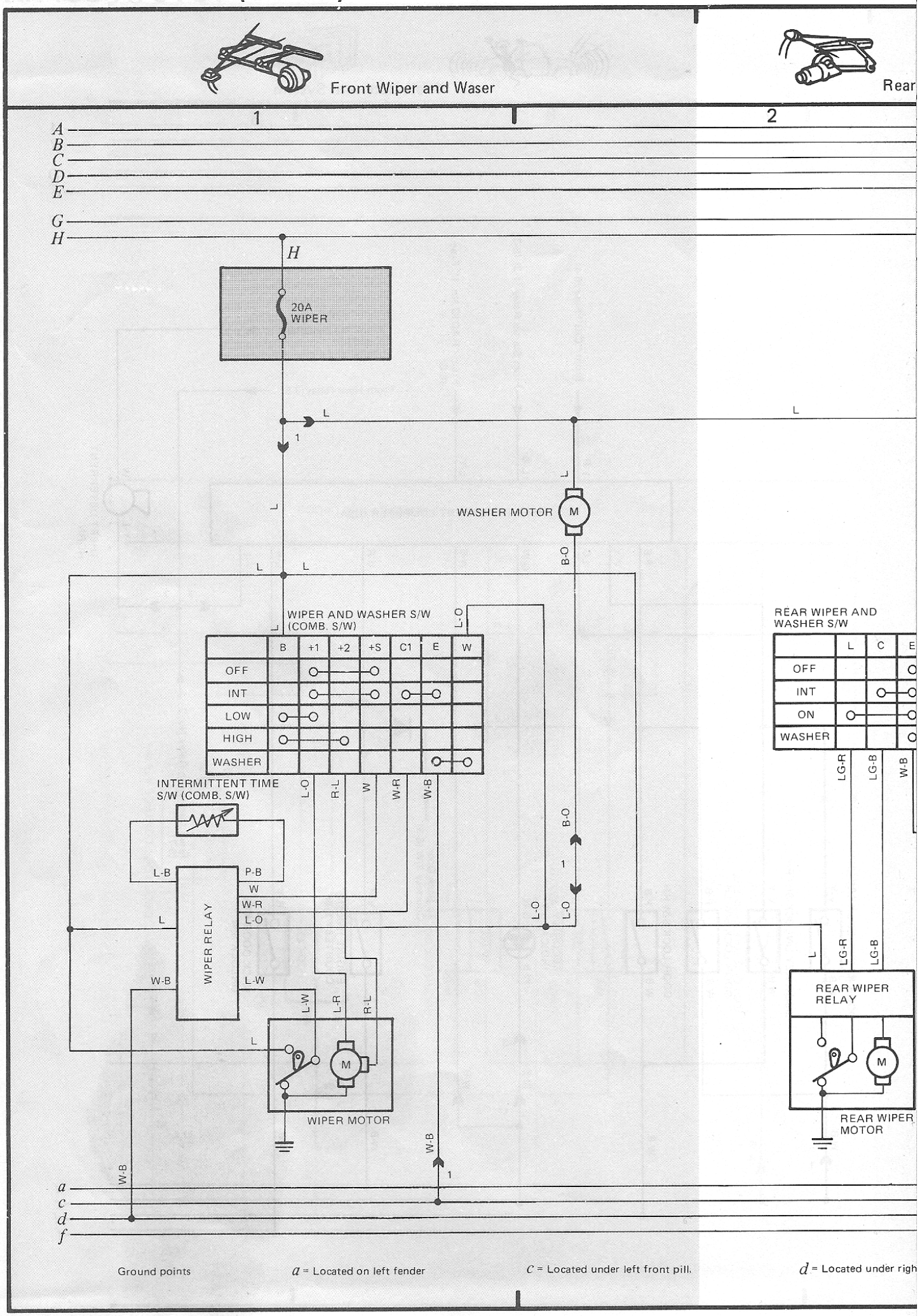
Ground points *a* = Located on left fender *b* = Located on engine block


2
3
H
7.5A
GAUGE
To Power Window M
From TCCS ECU (8-7)
Y
3
1
Y-B
OIL
OIL
PRESSURE SENDER
Y-B
FUEL
FUEL SENDER
L-R
BR
BR
TURBO
TURBO
PRESSURE SENSOR
W
O
BR
DRIVE
CIRCUIT
TACH
B
From Igniter (1-7)(8-8)
W-B
VOLT
3
WATER
TEMP. SENDER
WATER TEMP.
Y-G
W-B
1
W-B
W-B
W-B
BR
BR
BR
BR
Y
1
To Light Failure Sensor (5-3)

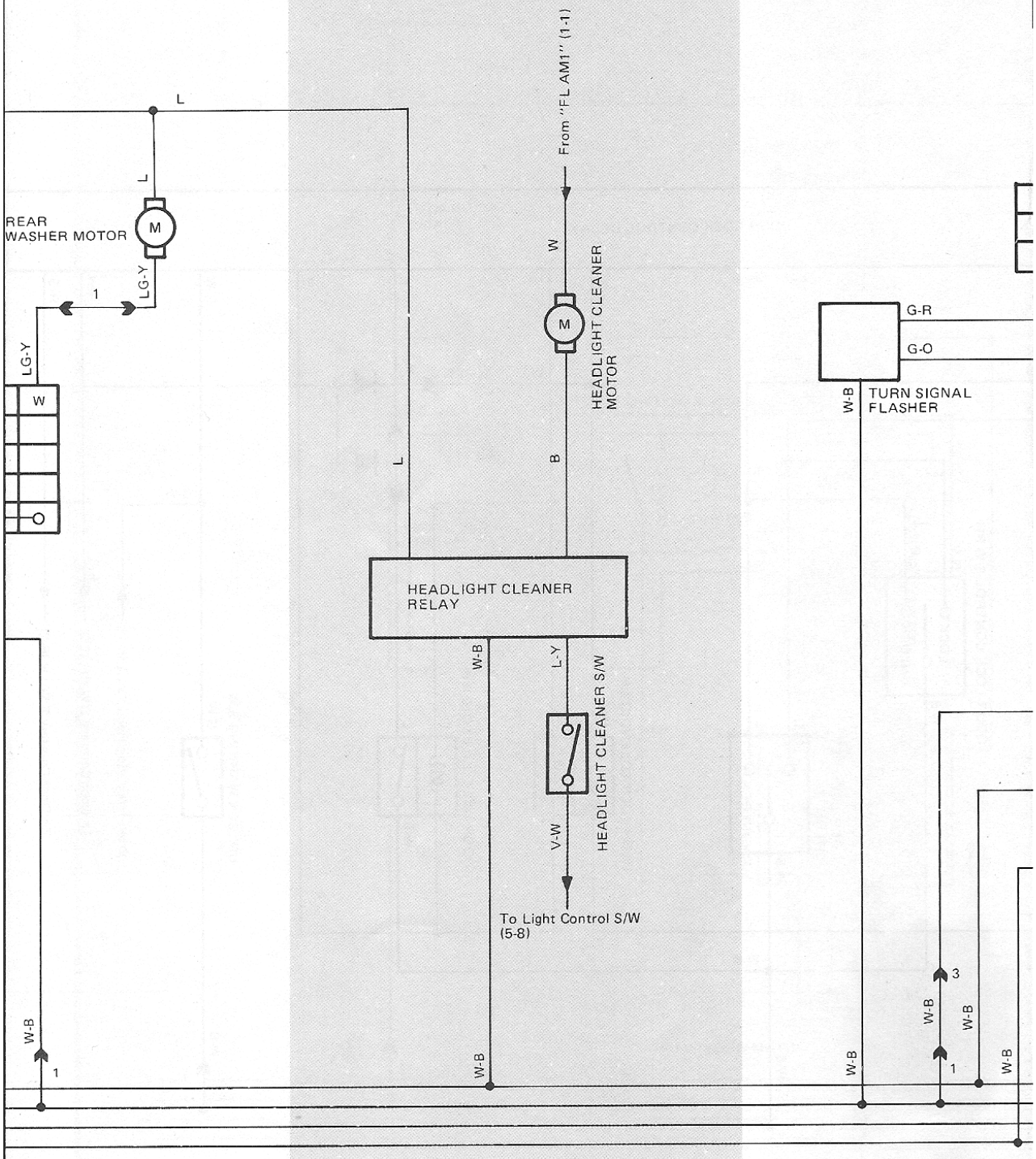

Rear Window Defogger
4
5
B
1
A
30A
DEFOG
CB
ain Relay (4-1)
Y
To Heater Relay, A/C Relay Box &
3
DEFOGGER
RELAY
R-Y
To TCCS ECU "DEF"
(1-6)(8-7)
To Integration Relay No. 1
(6-1)
V
TIMER
(W/ Timer)
(W/O Timer)
DEFOGGER S/W
NOISE
FILTER
To "MIR-HTR" Fuse (6-8)
To Water Valve VSV (7-2)
To Check Engine (1-6)(8-7)
To Seat Belt Warning Light (6-1)
From "ECU-IG" Fuse (3-6)
From "RAD
B-R
IG
S3
S2
R-L
G-Y
CHOKE COIL
REAR WINDOW
DEFOGGER
W-B
To Cruise Control Computer (5-2)
T/M SOLENC
= Located on back panel

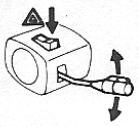

Heater Control Assembly (7-2)
To A.B.S. Computer (8-2)
NEUTRAL START S/W (A/T)
LL 2L NL RL PL RB
P
R
N
2
L
PATTERN SELECT S/W
PWR
NORM
IO No. 1" Fuse (6-6)
From Stop Light S/W (5-3)
To A.B.S. Computer (8-2)
+B
BR
L
2
N
PWR
ECT ECU
S1 SP2 L3 L2 L1 OD1 DG IDL SP1 GND OD2
T/M SPEED SENSOR
(W/O A.B.S.)
(W/ A.B.S.)
From A.B.S. Computer (8-2)
From TCCS ECU (1-6) (8-7)
From TCCS ECU (1-6)(8-7)
From Cruise Control Computer (5-2)
To Check Connector (1-5)(8-6)
From Throttle Position Sensor (1-5) (8-6)
From Speed Sensor (2-1)
O/D OFF INDICATOR LIGHT (COMB. METER)
O/D MAIN S/W


Back-up Lights
Super Monitor
7
8
A
B
C
D
E
G
H
BACK-UP LIGHT S/W (M/T)
Y
R-B
R-B
A/T INDICATOR (COMB. METER)
R-B
R-B
LH
W-B
BACK-UP LIGHTS (REAR COMB. LIGHT)
R-B
RH
W-B
W-B
W-B
From "ING" Fuse (1-7)
From "RADIO No. 1" Fuse (6-6)
From "CIG" Fuse (6-4)
To Cruise Control Computer (5-1)
From "TAIL" Fuse (5-4)
B-O
Y
L-Y
L-R
G-Y
G
SUPER MONITOR COMPUTER
P-G
Y-B
GR-G
W-L
R-G
B
BR
W-B
(1-6)
(8-7)
(1-3)
(1-5)
(8-1)
To TCCS ECU
To Speed Sensor (2-1)
From Igniter (1-7)(8-8)
W-B
1
BR
a
b
c
d
e
f


Front Wiper and Waser
Rear
1
2
A
B
C
D
E
G
H
20A WIPER
WASHER MOTOR
WIPER AND WASHER S/W (COMB. S/W)
B
+1
+2
+S
C1
E
W
OFF
INT
LOW
HIGH
WASHER
INTERMITTENT TIME S/W (COMB. S/W)
WIPER RELAY
WIPER MOTOR
REAR WIPER AND WASHER S/W
L
C
E
OFF
INT
ON
WASHER
REAR WIPER RELAY
REAR WIPER MOTOR
a
c
d
f
Ground points
a = Located on left fender
c = Located under left front pill.
d = Located under righ

Headlight Cleaner

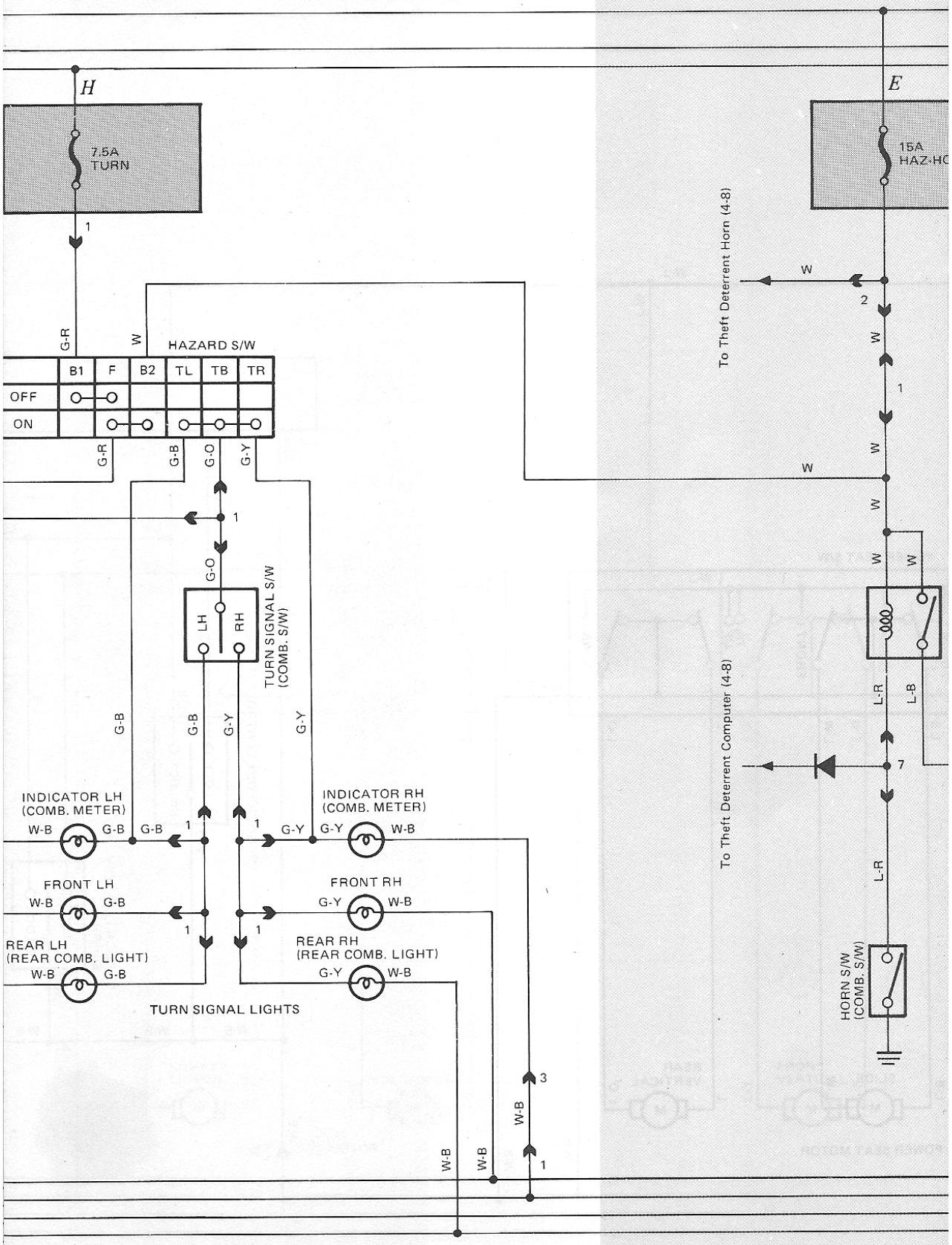


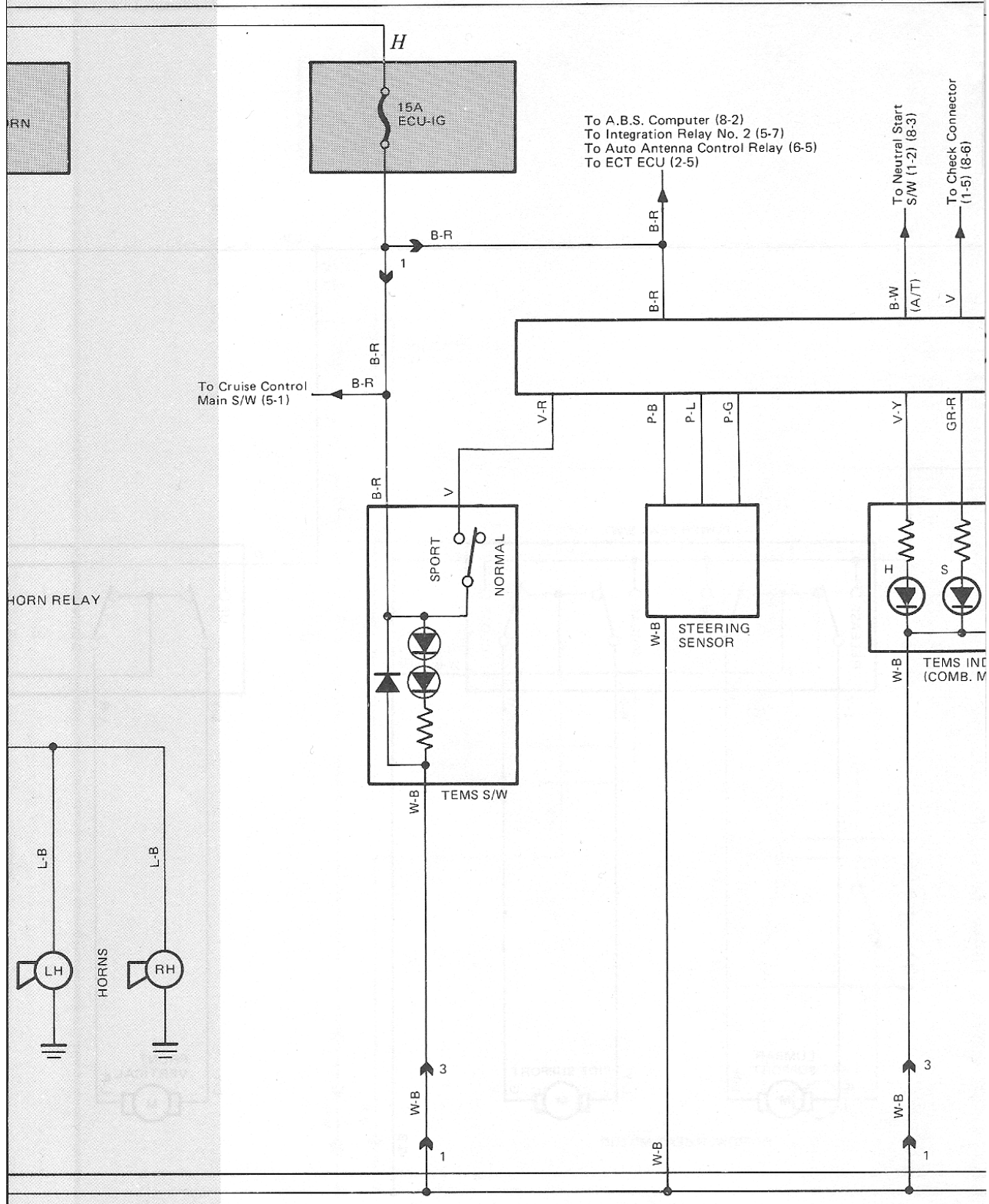


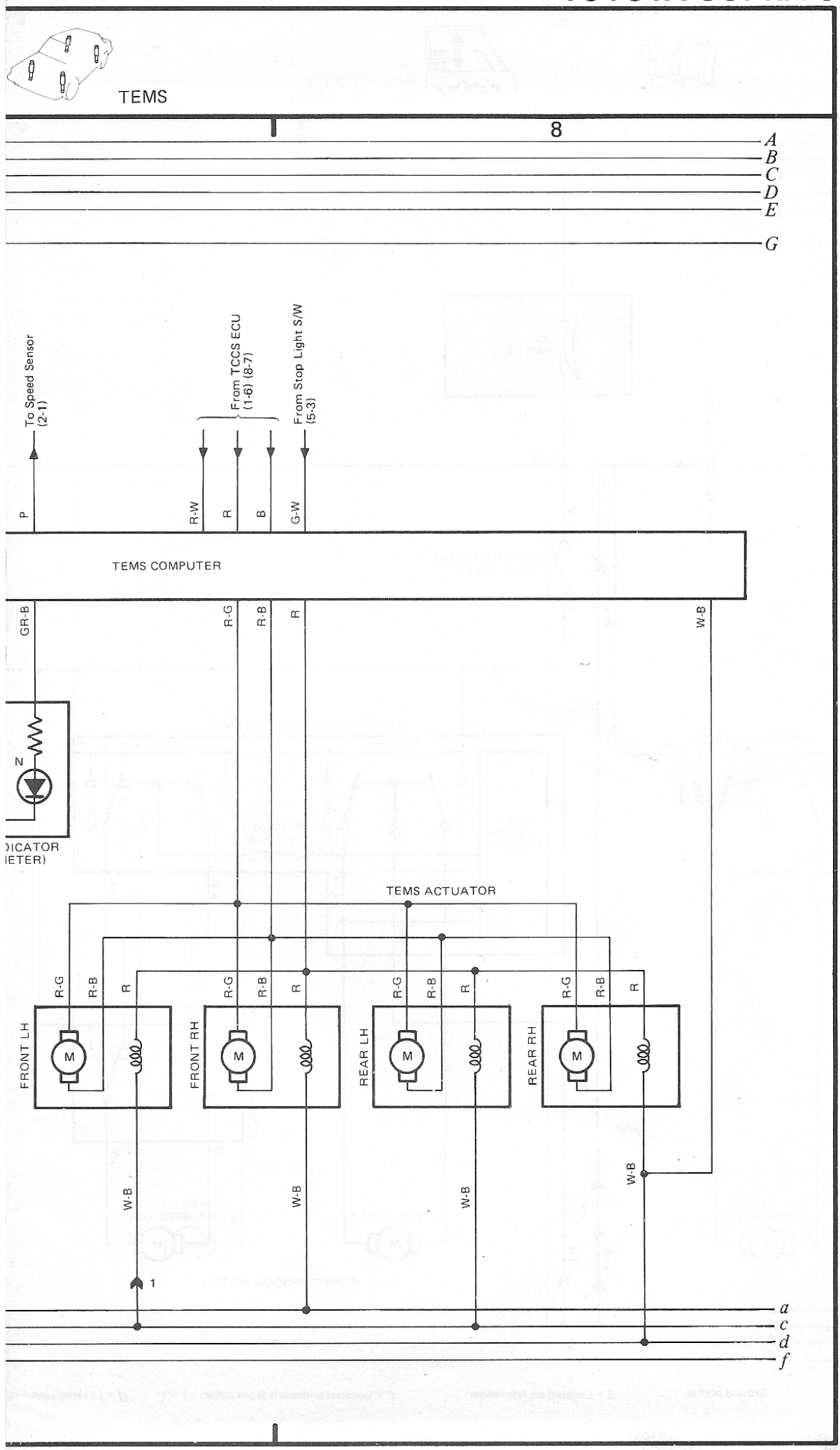
Turn Signal and Hazard

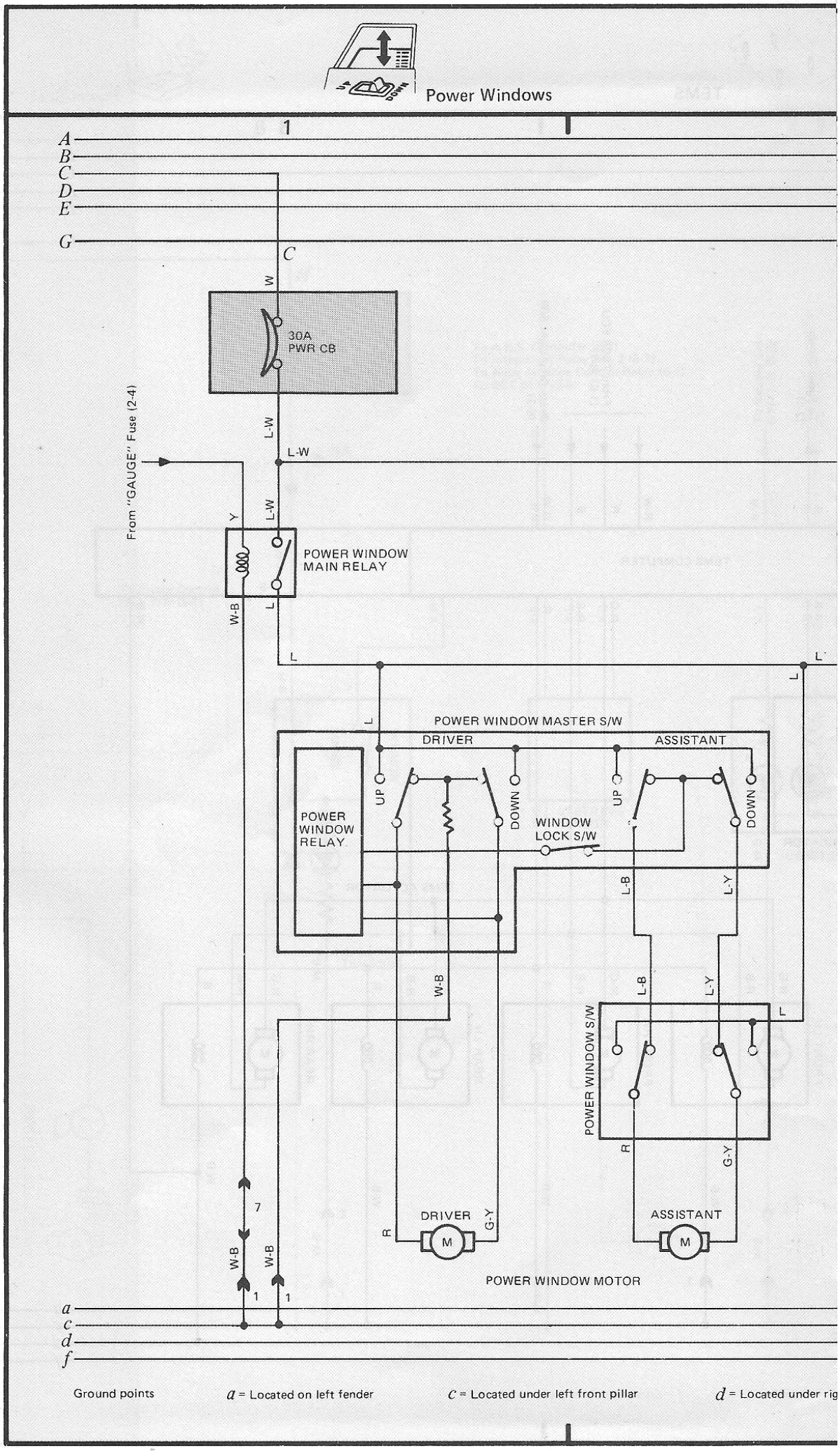
Horn

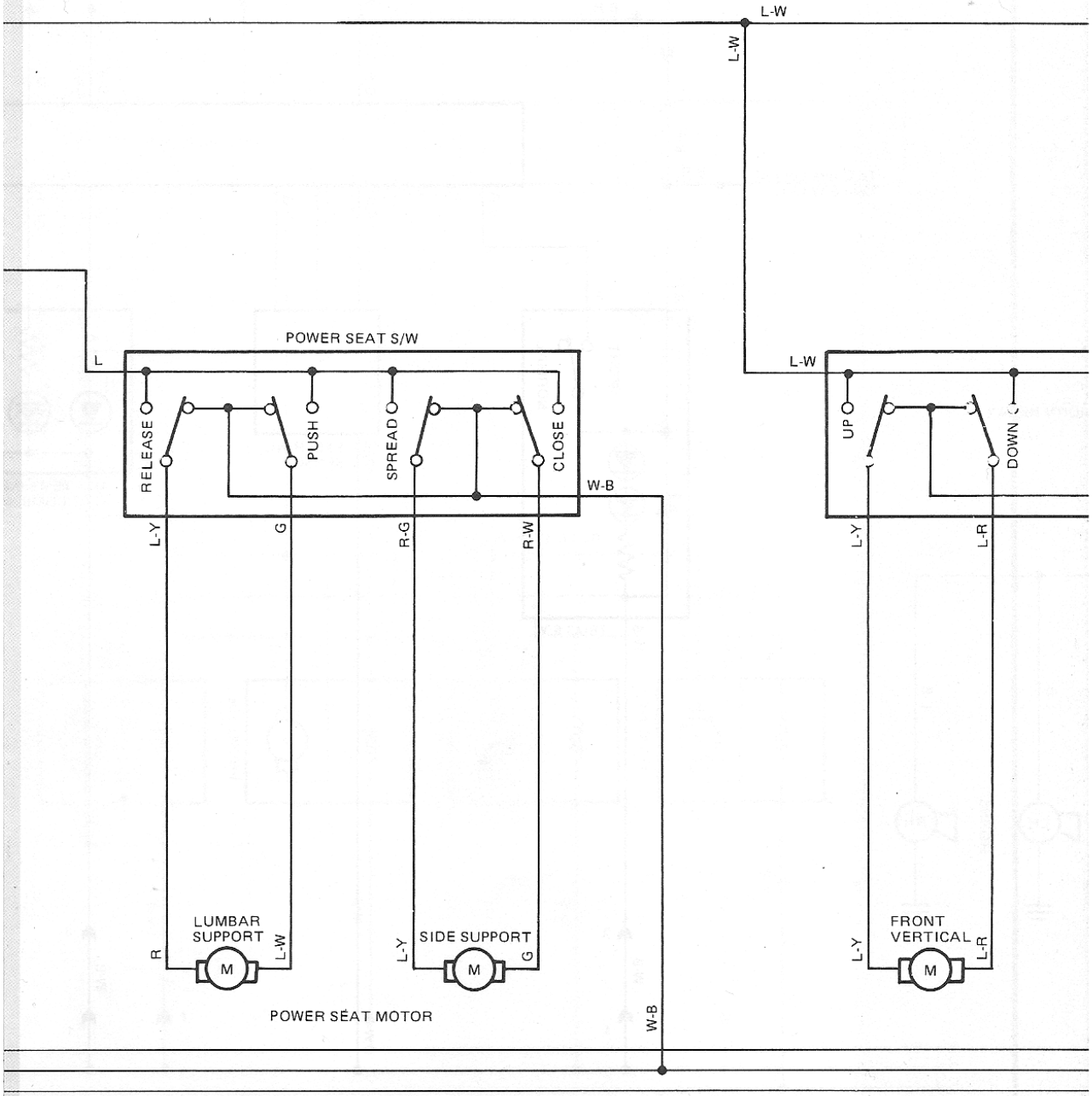
4 | 5




6
7
H
15A
ECU-IG
To A.B.S. Computer (8-2)
To Integration Relay No. 2 (5-7)
To Auto Antenna Control Relay (6-5)
To ECT ECU (2-5)
To Neutral Start S/W (1-2) (8-3)
To Check Connector (1-5) (8-6)
B-R
1
B-W
(A/T)
V
To Cruise Control Main S/W (5-1)
V-R
P-B
P-L
P-G
V-Y
GR-R
SPORT
NORMAL
H
S
STEERING SENSOR
TEMS S/W
W-B
HORN RELAY
L-B
LH
RH
HORNS
3

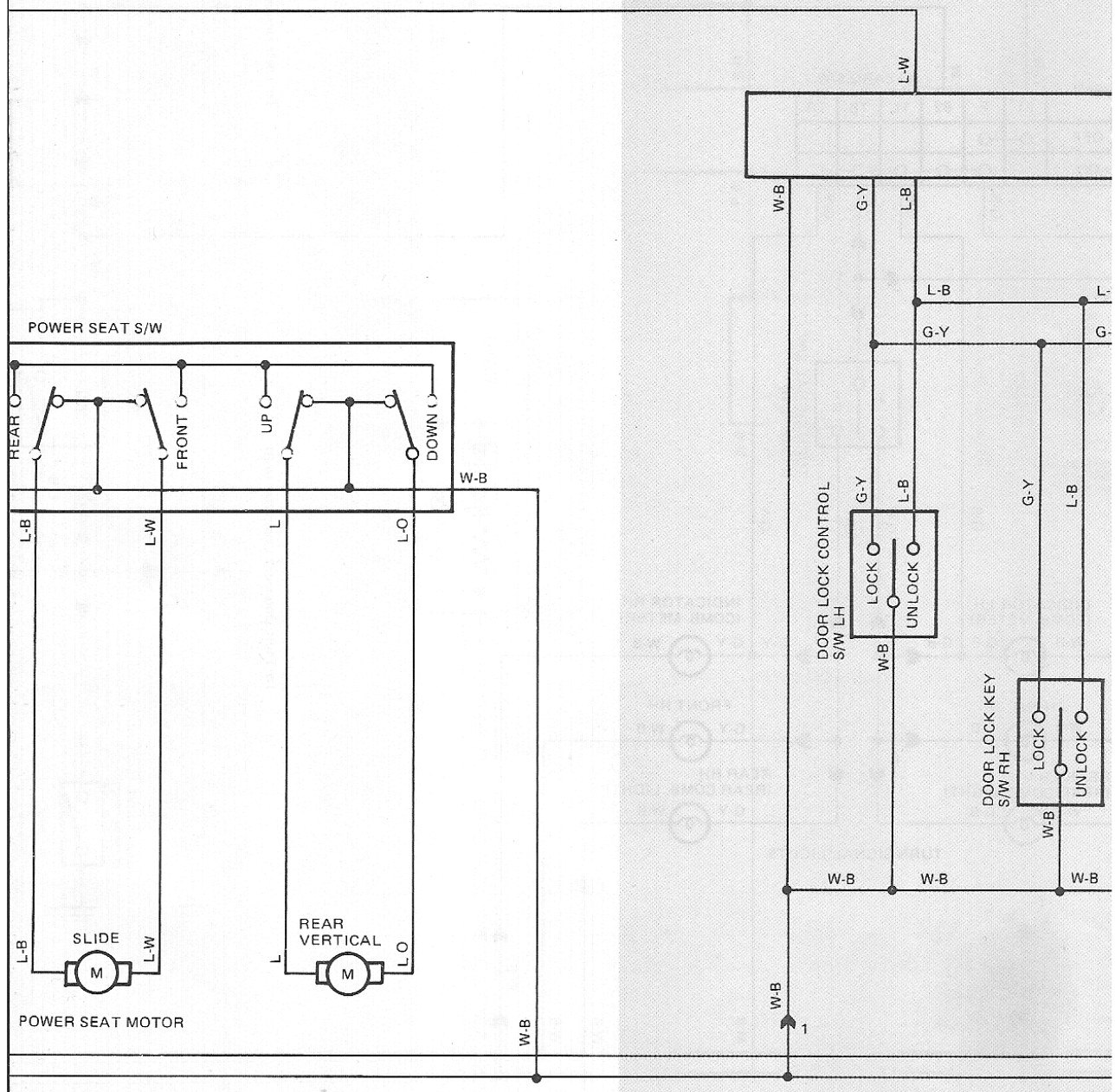

TEMS
8
A
B
C
D
E
G
To Speed Sensor (2-1)
From TCCS ECU (1-6) (8-7)
From Stop Light S/W (5-3)
P
R-W
R
B
G-W
TEMS COMPUTER
GR-B
R-G
R-B
R
W-B
N
DICATOR
IETER)
TEMS ACTUATOR
FRONT LH
FRONT RH
REAR LH
REAR RH
M
W-B
1
a
c
d
f


Power Windows
1
A
B
C
D
E
G
C
W
30A
PWR CB
L-W
L-W
From "GAUGE" Fuse (2-4)
Y
L-W
POWER WINDOW
MAIN RELAY
W-B
L
L
L
L
L
POWER WINDOW MASTER S/W
DRIVER
ASSISTANT
UP
DOWN
UP
DOWN
POWER
WINDOW
RELAY
WINDOW
LOCK S/W
L-B
L-Y
W-B
L-B
L-Y
L
POWER WINDOW S/W
R
G-Y
7
W-B
W-B
1
1
R
DRIVER
G-Y
M
ASSISTANT
M
POWER WINDOW MOTOR
a
c
d
f
Ground points
a = Located on left fender
c = Located under left front pillar
d = Located under rig

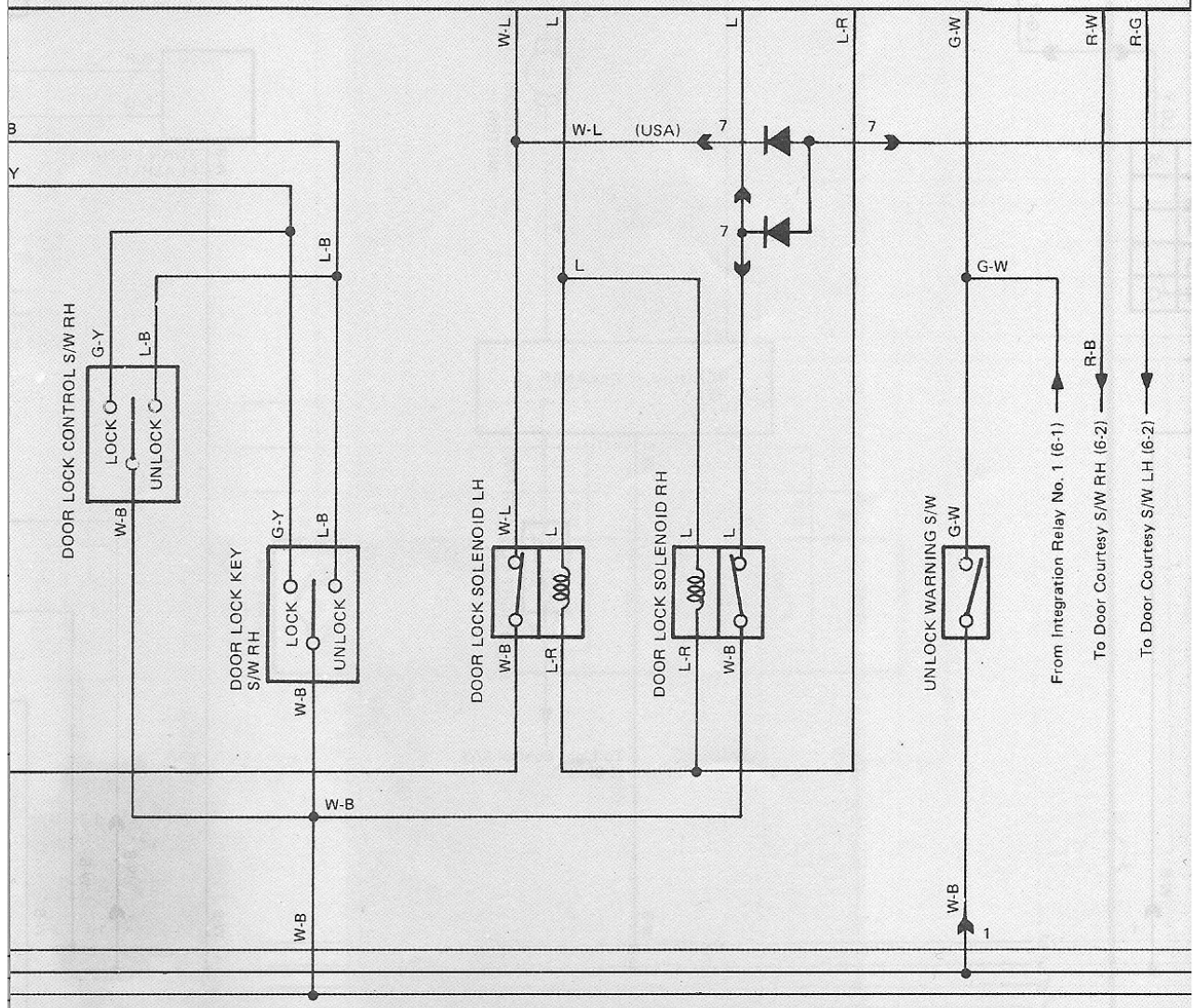


ht front pillar

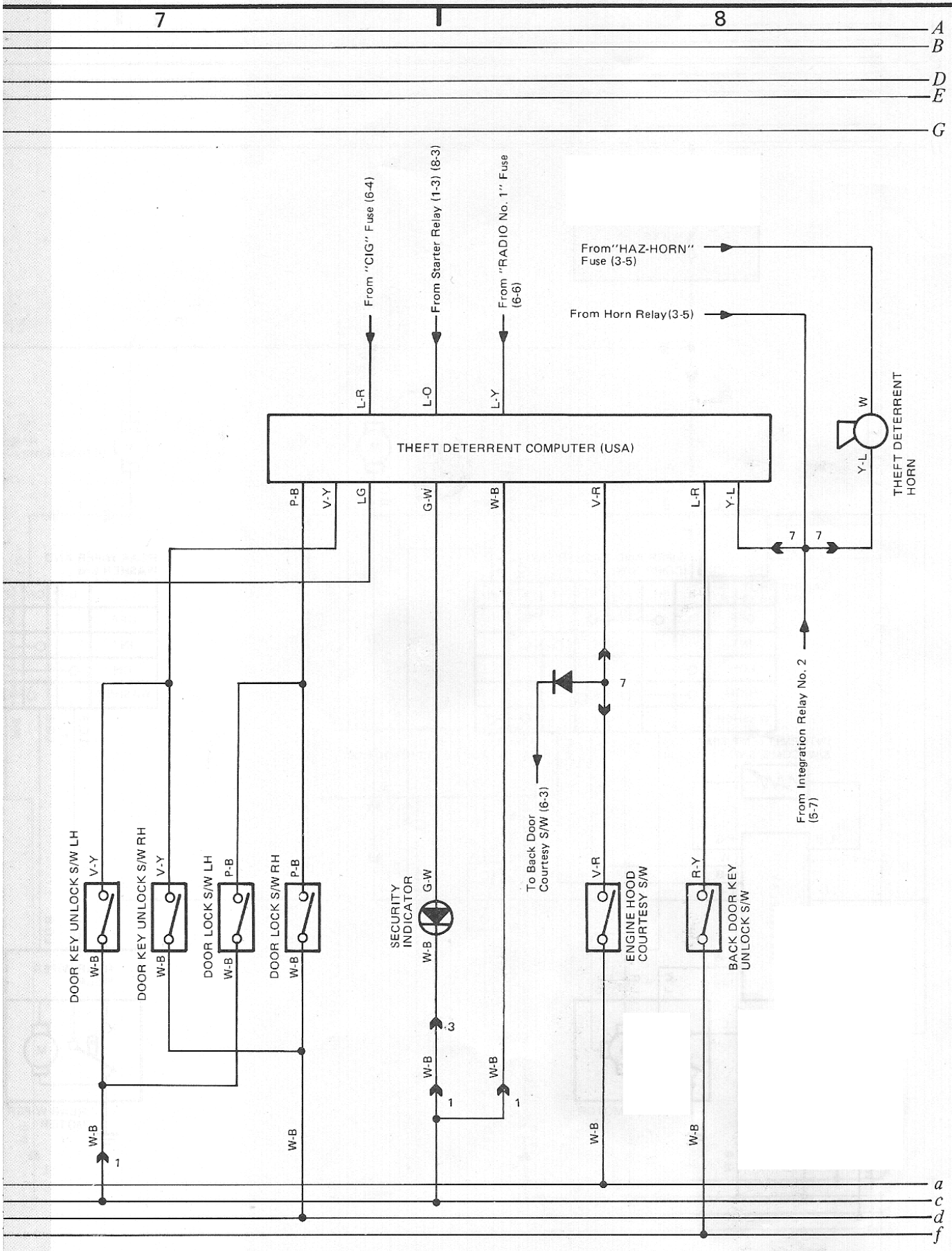
f = Located on back panel

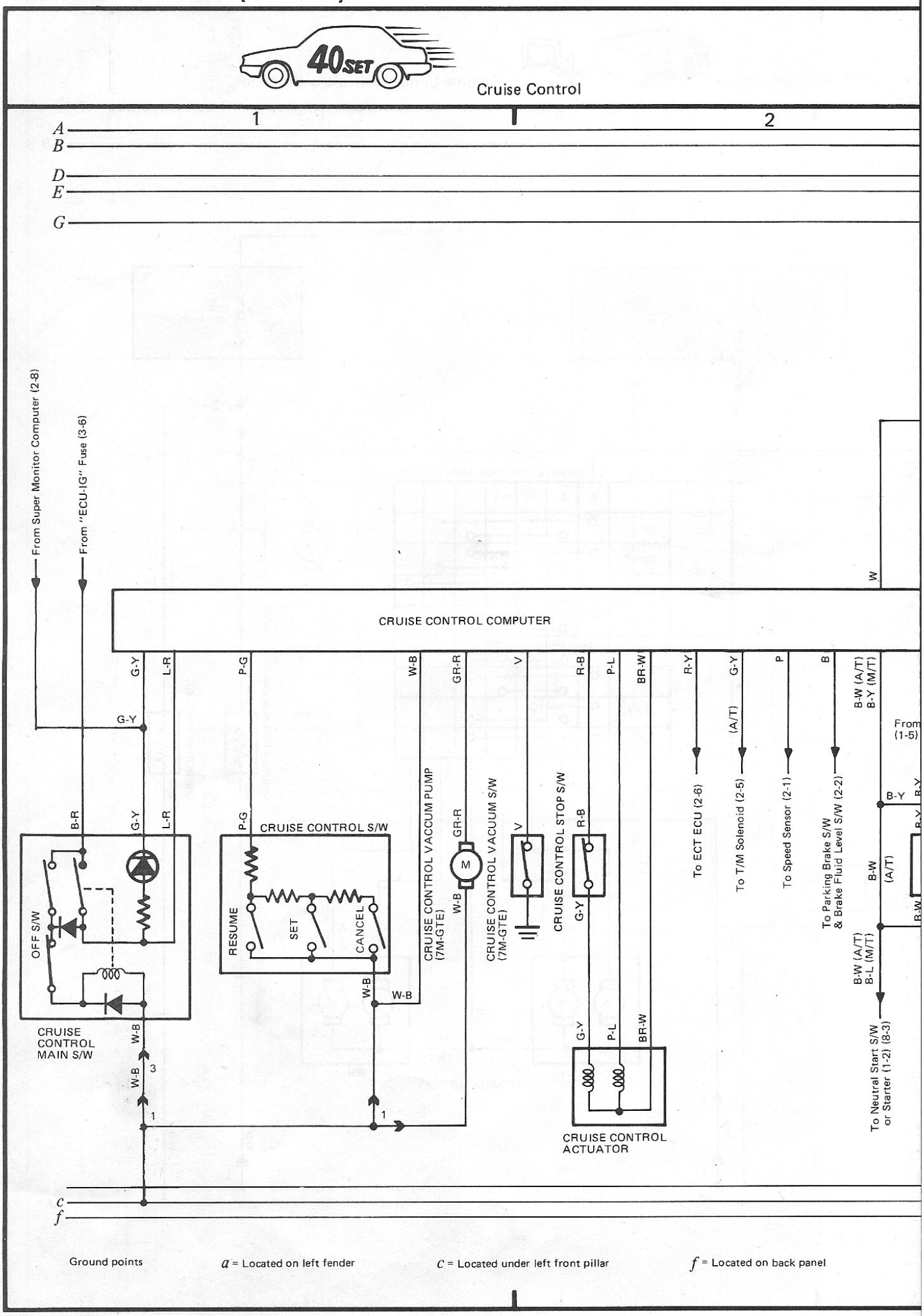

POWER SEAT S/W
REAR
FRONT
UP
DOWN
W-B
L-B
L-W
L
L-O
SLIDE
REAR VERTICAL
M
POWER SEAT MOTOR
W-B
L-W
G-Y
L-B
DOOR LOCK CONTROL S/W LH
LOCK
UNLOCK
DOOR LOCK KEY S/W RH
1

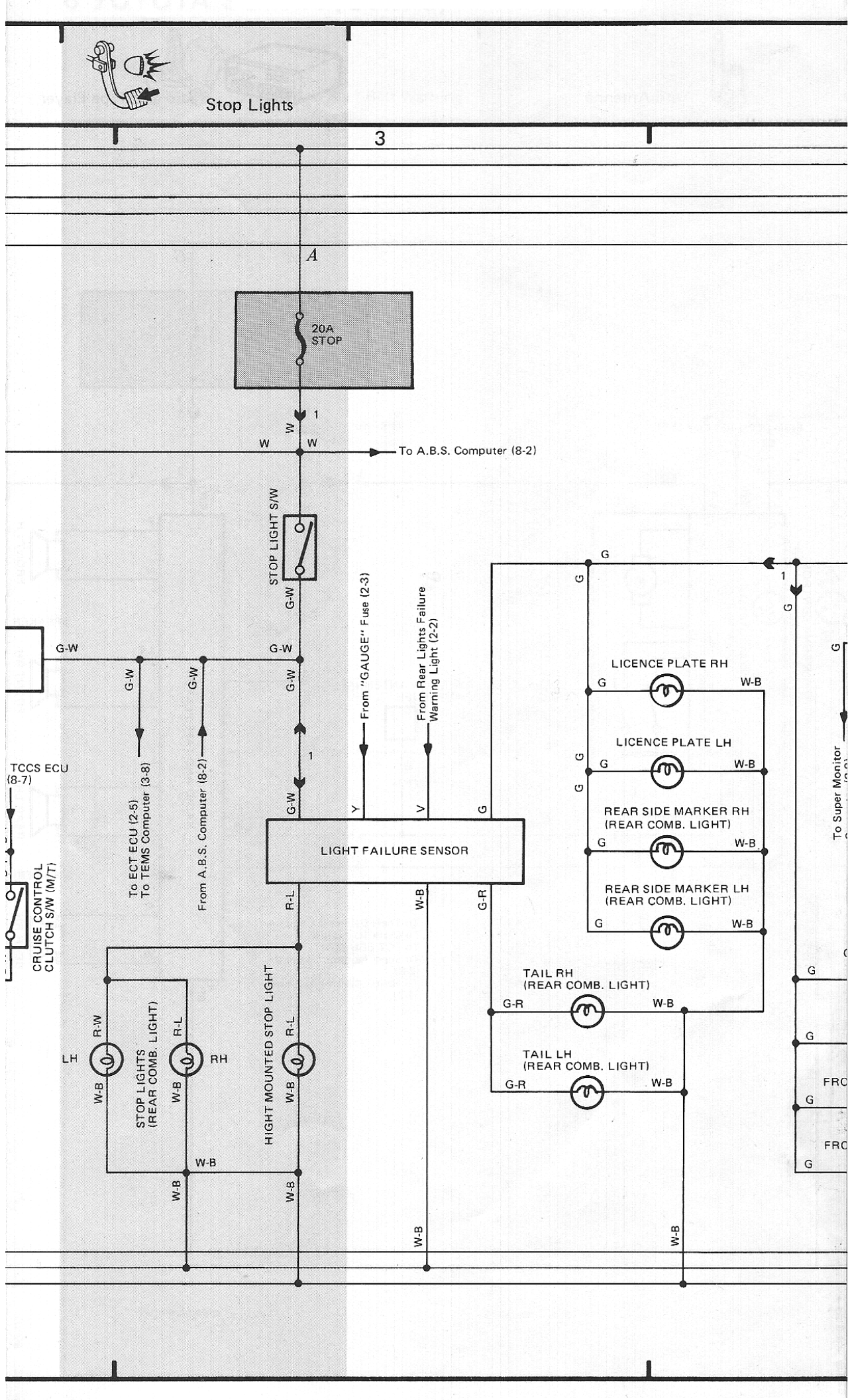
DOOR LOCK CONTROL RELAY

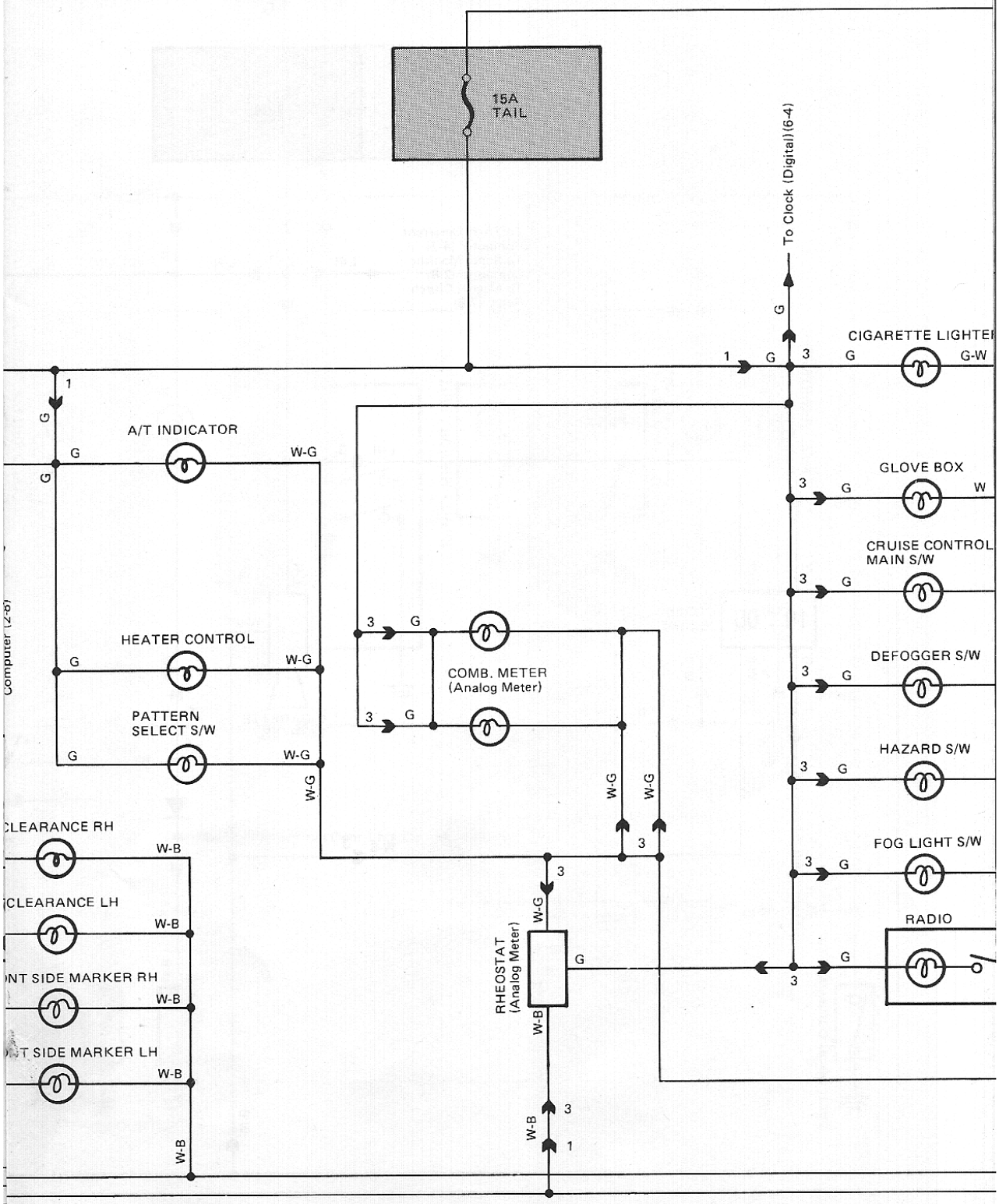


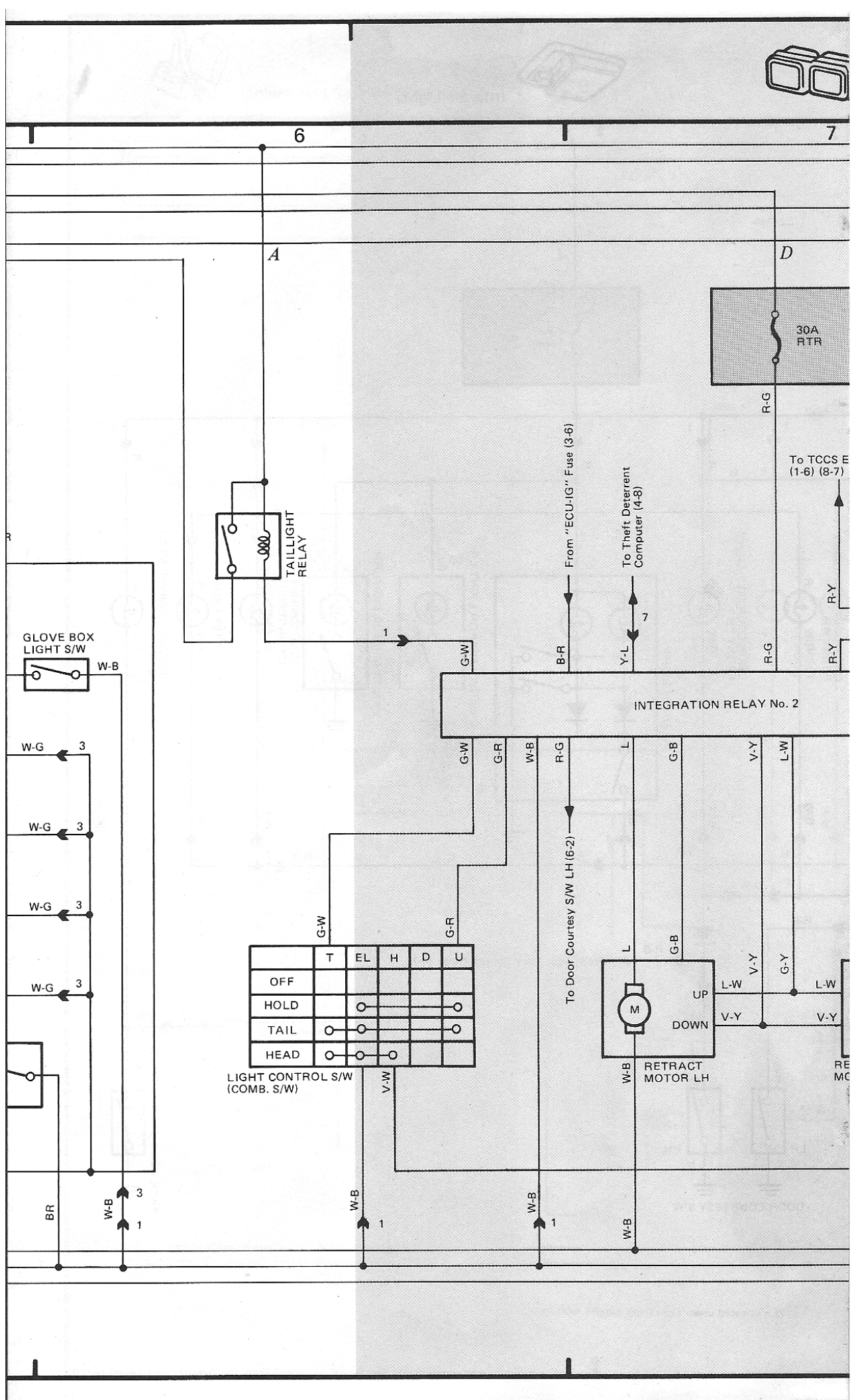
Theft Deterrent System

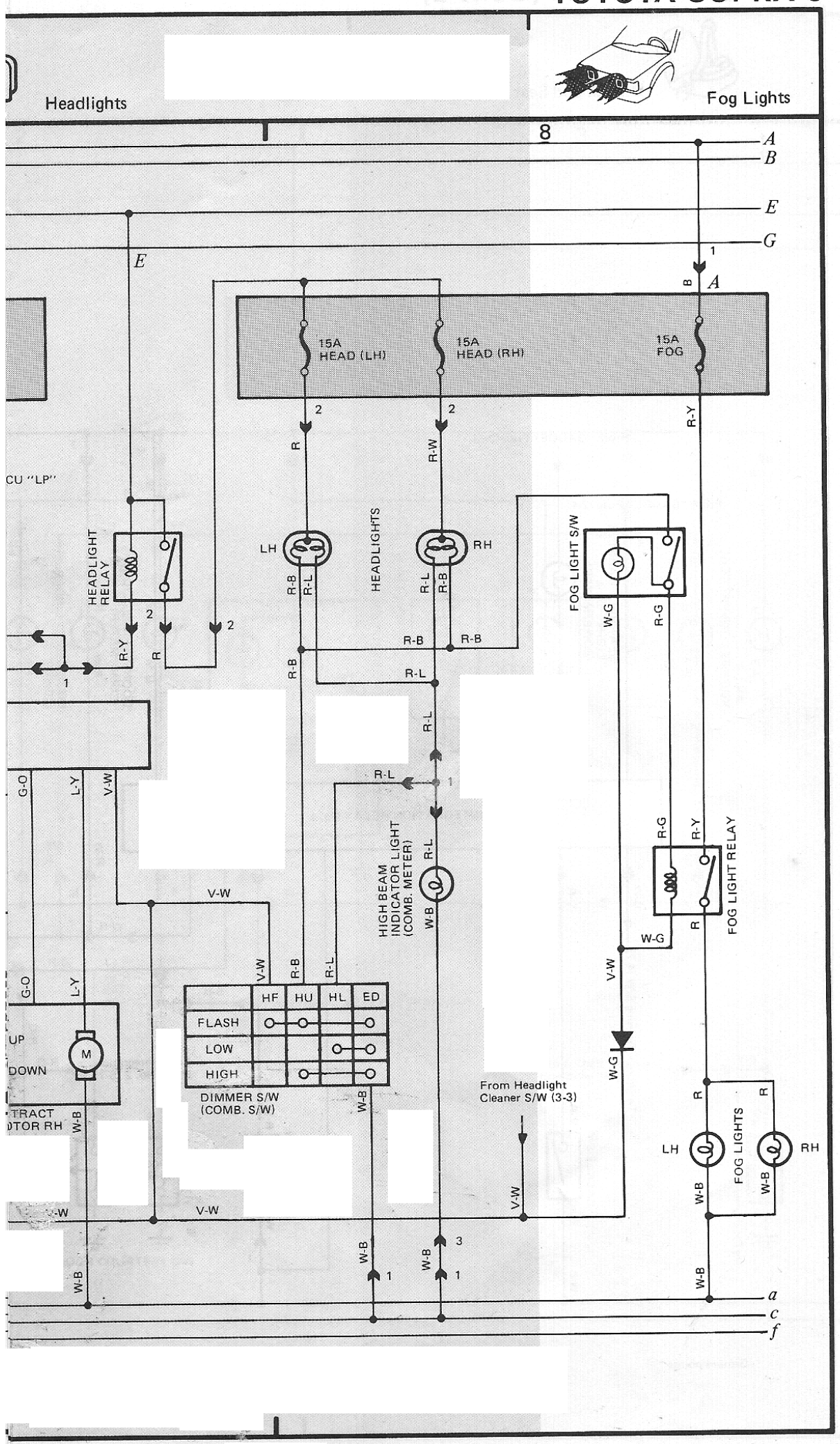



40SET
Cruise Control
1
2
A
B
D
E
G
From Super Monitor Computer (2-8)
From "ECU-IG" Fuse (3-6)
CRUISE CONTROL COMPUTER
G-Y
L-R
P-G
W-B
GR-R
V
R-B
P-L
BR-W
R-Y
G-Y
P
B
B-W (A/T)
B-Y (M/T)
From (1-5)
B-R
OFF S/W
CRUISE CONTROL MAIN S/W
CRUISE CONTROL S/W
RESUME
SET
CANCEL
CRUISE CONTROL VACCUM PUMP (7M-GTE)
CRUISE CONTROL VACUUM S/W (7M-GTE)
CRUISE CONTROL STOP S/W
CRUISE CONTROL ACTUATOR
To ECT ECU (2-6)
To T/M Solenoid (2-5)
To Speed Sensor (2-1)
To Parking Brake S/W & Brake Fluid Level S/W (2-2)
B-Y
B-W
(A/T)
B-W (A/T)
B-L (M/T)
To Neutral Start S/W or Starter (1-2) (8-3)
3
1
c
f
Ground points
a = Located on left fender
c = Located under left front pillar
f = Located on back panel

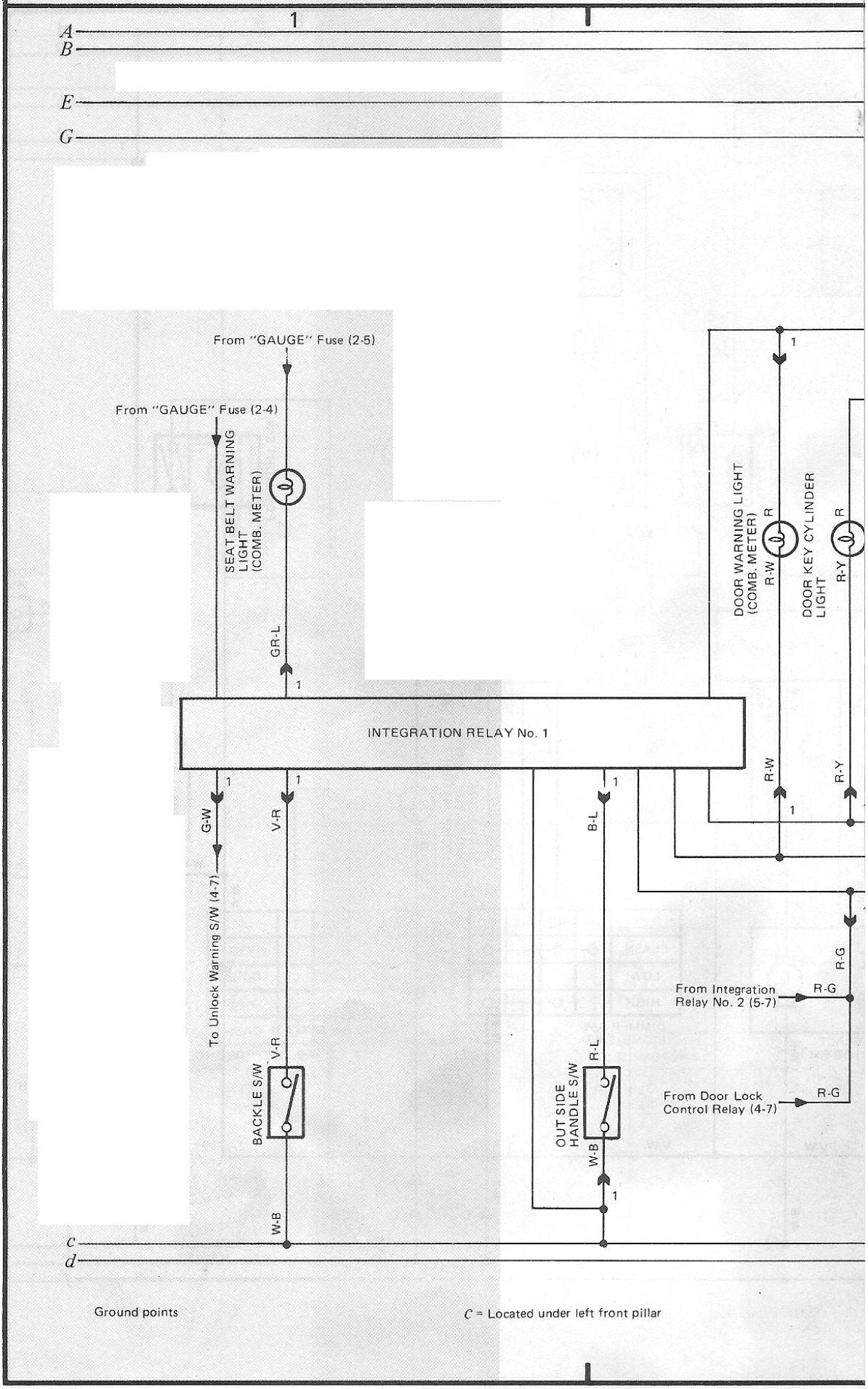

Stop Lights
3
A
20A
STOP
1
W
W
W
To A.B.S. Computer (8-2)
STOP LIGHT S/W
G-W
G-W
G-W
G-W
G-W
G-W
G-W
1
TCCS ECU
(8-7)
CRUISE CONTROL
CLUTCH S/W (M/T)
To ECT ECU (2-5)
To TEMS Computer (3-8)
From A.B.S. Computer (8-2)
From "GAUGE" Fuse (2-3)
From Rear Lights Failure
Warning Light (2-2)
Y
V
G
LIGHT FAILURE SENSOR
R-L
W-B
G-R
G
G
G
1
G
LICENCE PLATE RH
G
W-B
LICENCE PLATE LH
G
W-B
REAR SIDE MARKER RH
(REAR COMB. LIGHT)
G
W-B
REAR SIDE MARKER LH
(REAR COMB. LIGHT)
G
W-B
TAIL RH
(REAR COMB. LIGHT)
G-R
W-B
TAIL LH
(REAR COMB. LIGHT)
G-R
W-B
To Super Monitor
G
G
G
G
R-W
R-L
R-L
LH
RH
W-B
W-B
W-B
STOP LIGHTS
(REAR COMB. LIGHT)
HIGHT MOUNTED STOP LIGHT
W-B
W-B
W-B
W-B
W-B


4
5
15A
TAIL
To Clock (Digital)(6-4)
CIGARETTE LIGHTER
G-W
A/T INDICATOR
W-G
GLOVE BOX
W
CRUISE CONTROL
MAIN S/W
HEATER CONTROL
COMB. METER
(Analog Meter)
DEFOGGER S/W
PATTERN
SELECT S/W
HAZARD S/W
CLEARANCE RH
W-B
FOG LIGHT S/W
CLEARANCE LH
RADIO
RHEOSTAT
(Analog Meter)
NT SIDE MARKER RH
T SIDE MARKER LH
Computer (2-8)


6
7
A
D
30A
RTR
R-G
To TCCS E
(1-6) (8-7)
R-Y
TAILLIGHT
RELAY
From "ECU-IG" Fuse (3-6)
To Theft Deterrent
Computer (4-8)
GLOVE BOX
LIGHT S/W
W-B
G-W
B-R
Y-L
INTEGRATION RELAY No. 2
W-G
G-R
W-B
L
G-B
V-Y
L-W
To Door Courtesy S/W LH (6-2)
G-Y
T
EL
H
D
U
OFF
HOLD
TAIL
HEAD
LIGHT CONTROL S/W
(COMB. S/W)
V-W
UP
DOWN
M
RETRACT
MOTOR LH
BR

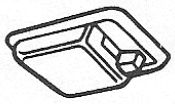

Headlights
Fog Lights
8
A
B
E
G
15A HEAD (LH)
15A HEAD (RH)
15A FOG
HEADLIGHT RELAY
HEADLIGHTS
LH
RH
FOG LIGHT S/W
FOG LIGHT RELAY
HIGH BEAM INDICATOR LIGHT (COMB. METER)
DIMMER S/W (COMB. S/W)
HF
HU
HL
ED
FLASH
LOW
HIGH
From Headlight Cleaner S/W (3-3)
FOG LIGHTS
UP
DOWN
M
R-Y
R
R-W
R-B
R-L
W-G
R-G
V-W
W-B
G-O
L-Y
a
c
f

Unlock and Seat Belt Warning

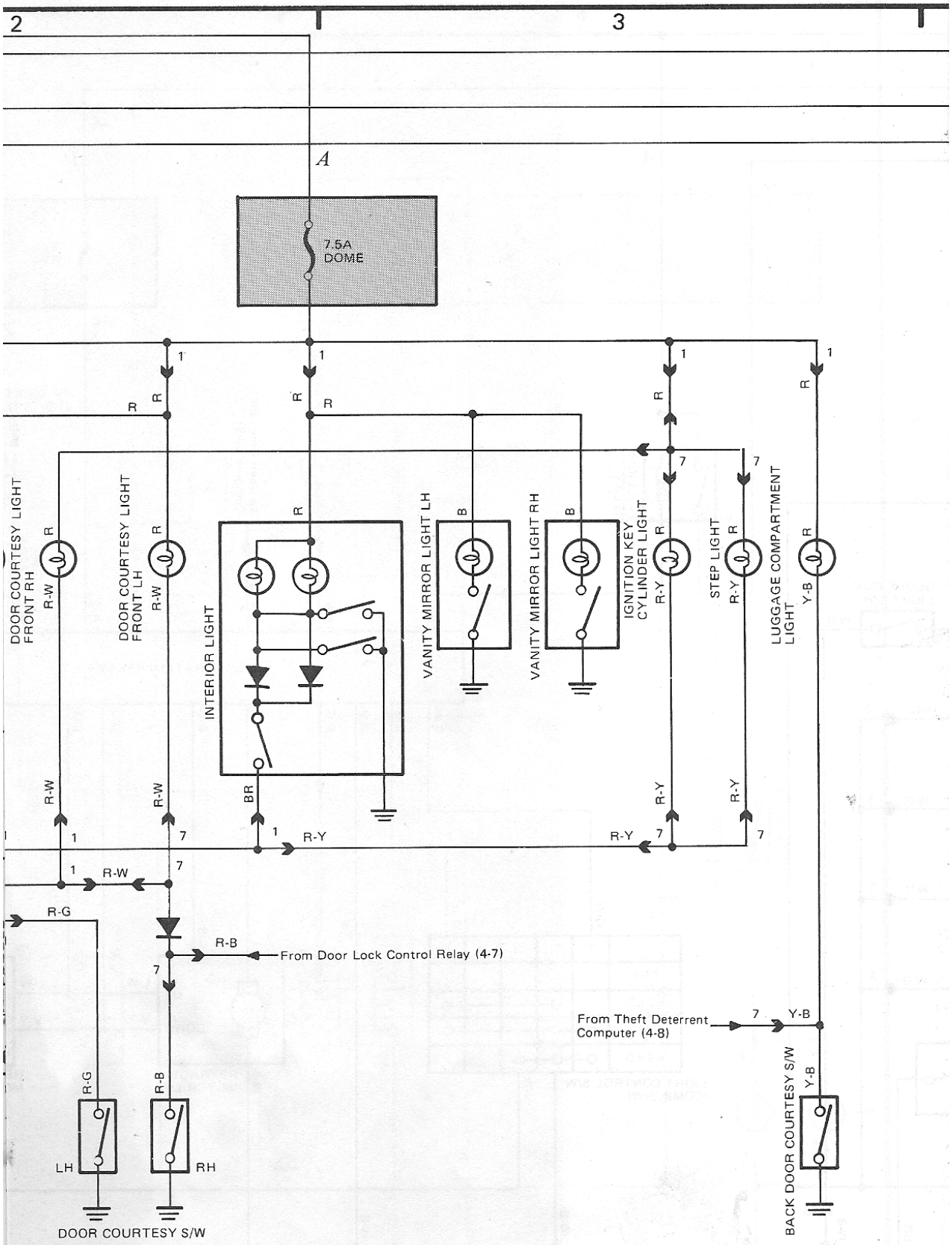


Ground points

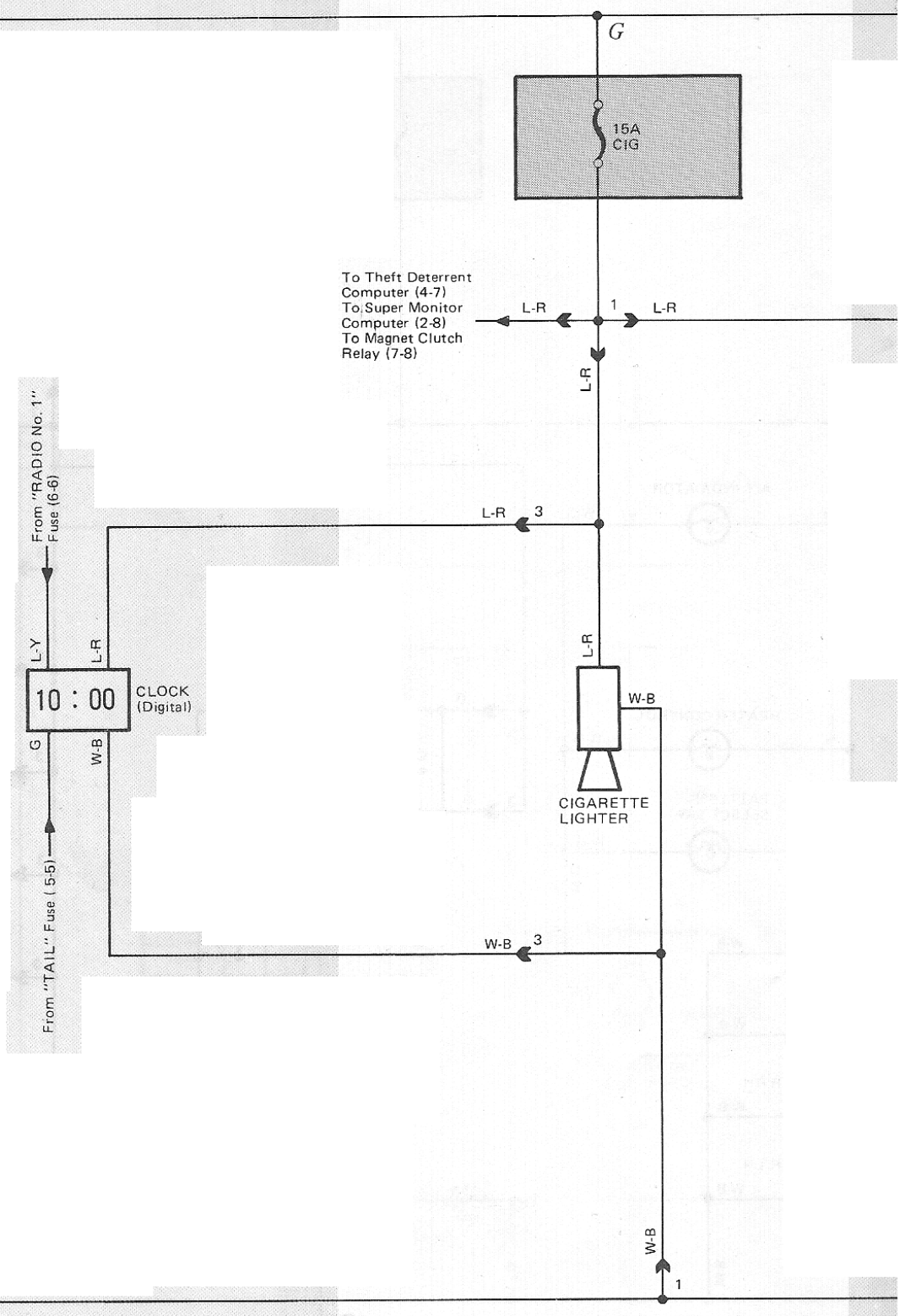
c = Located under left front pillar

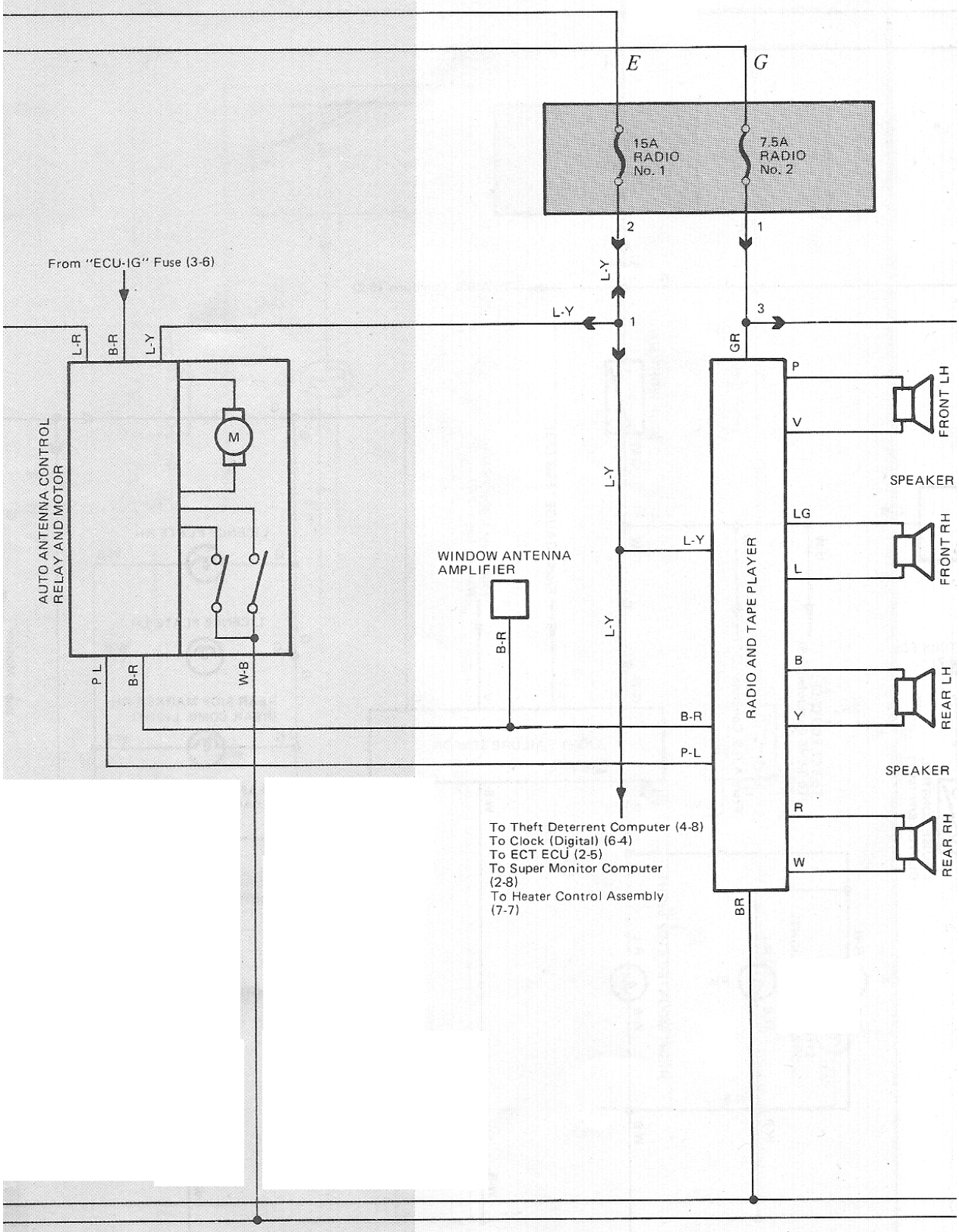


Interior Lights

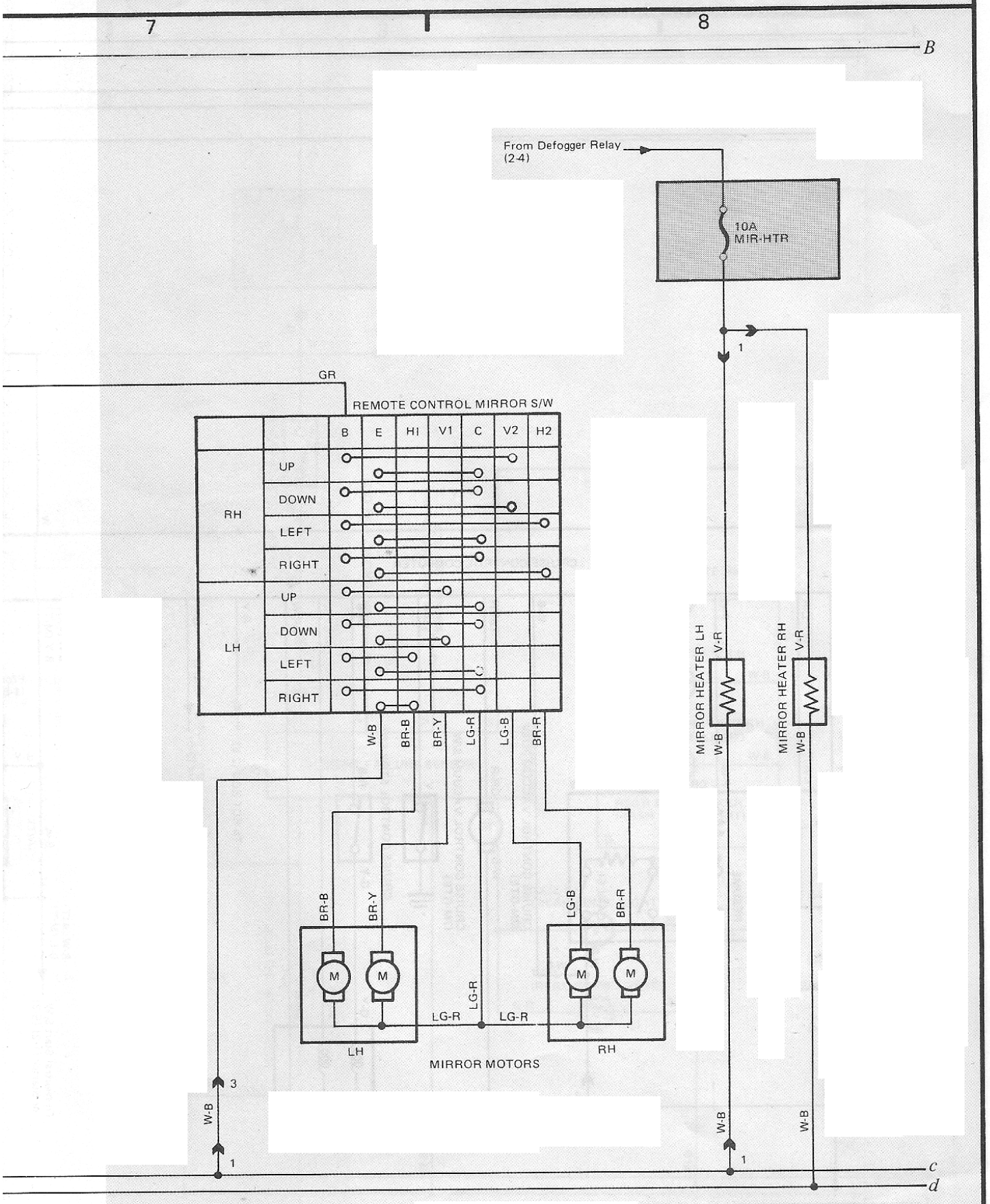


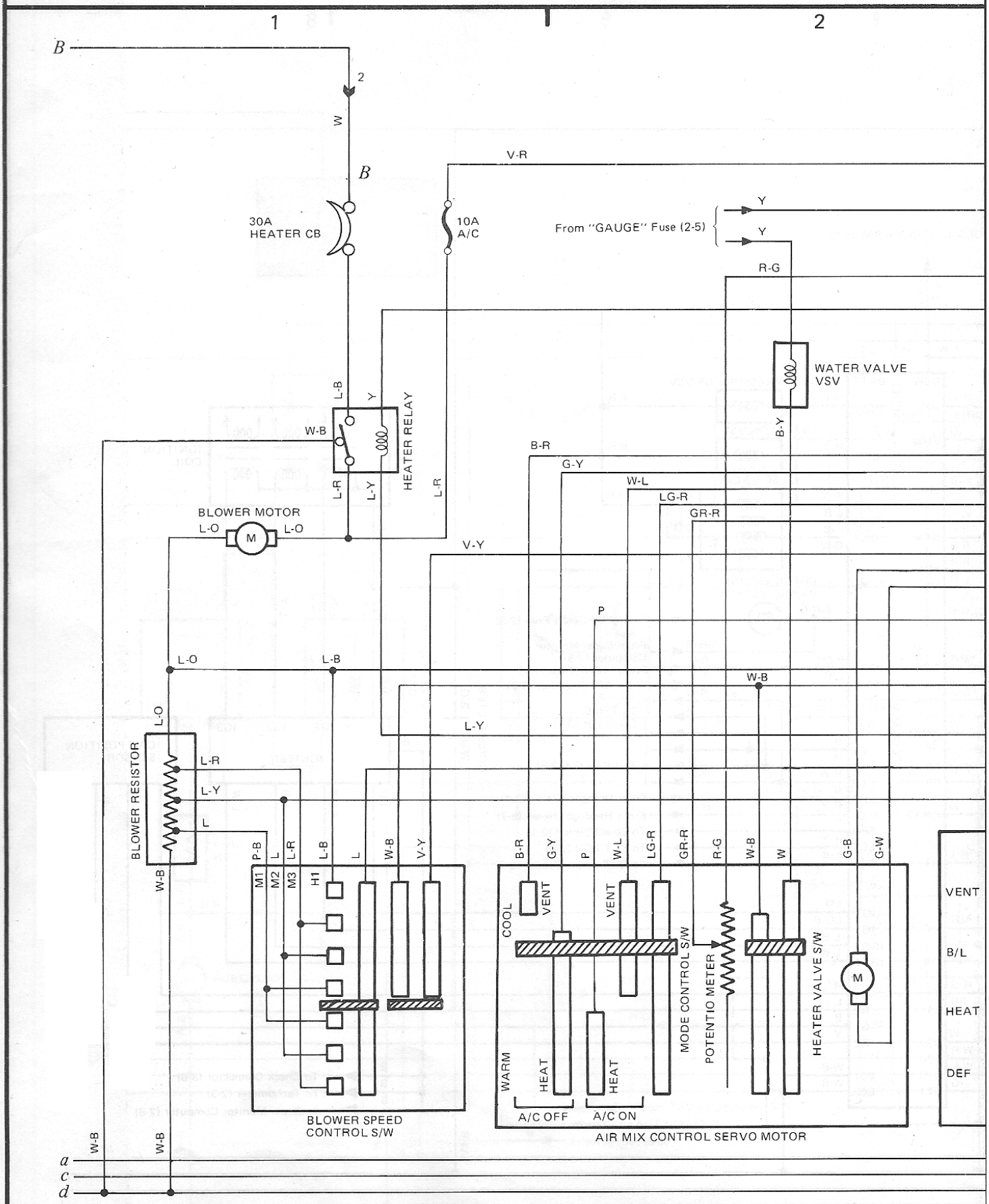
d = Located under right front pillar


G
15A
CIG
To Theft Deterrent
Computer (4-7)
To Super Monitor
Computer (2-8)
To Magnet Clutch
Relay (7-8)
L-R
1
L-R
L-R
L-R
3
From "RADIO No. 1"
Fuse (6-6)
L-Y
L-R
10 : 00
CLOCK
(Digital)
G
W-B
L-R
W-B
CIGARETTE
LIGHTER
From "TAIL" Fuse (5-5)
W-B
3
W-B
1

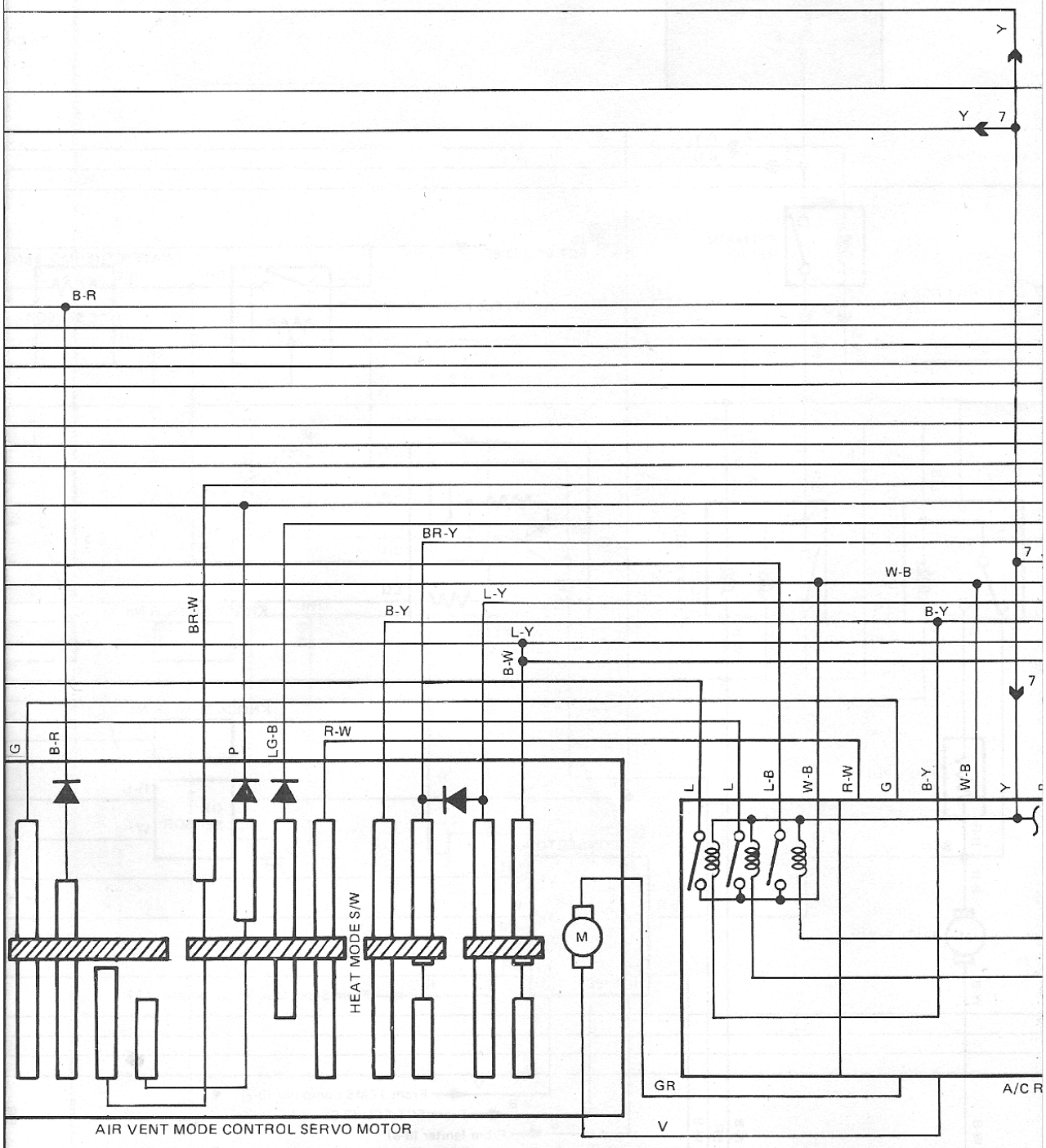

E
G
15A RADIO No. 1
7.5A RADIO No. 2
2
1
From "ECU-IG" Fuse (3-6)
L-Y
L-Y
1
3
L-R
B-R
L-Y
GR
AUTO ANTENNA CONTROL RELAY AND MOTOR
M
P
V
FRONT LH
SPEAKER
LG
L
FRONT RH
L-Y
WINDOW ANTENNA AMPLIFIER
B-R
L-Y
L-Y
RADIO AND TAPE PLAYER
B
Y
REAR LH
P L
B-R
W-B
B-R
P-L
SPEAKER
R
W
REAR RH
To Theft Deterrent Computer (4-8)
To Clock (Digital) (6-4)
To ECT ECU (2-5)
To Super Monitor Computer (2-8)
To Heater Control Assembly (7-7)
BR

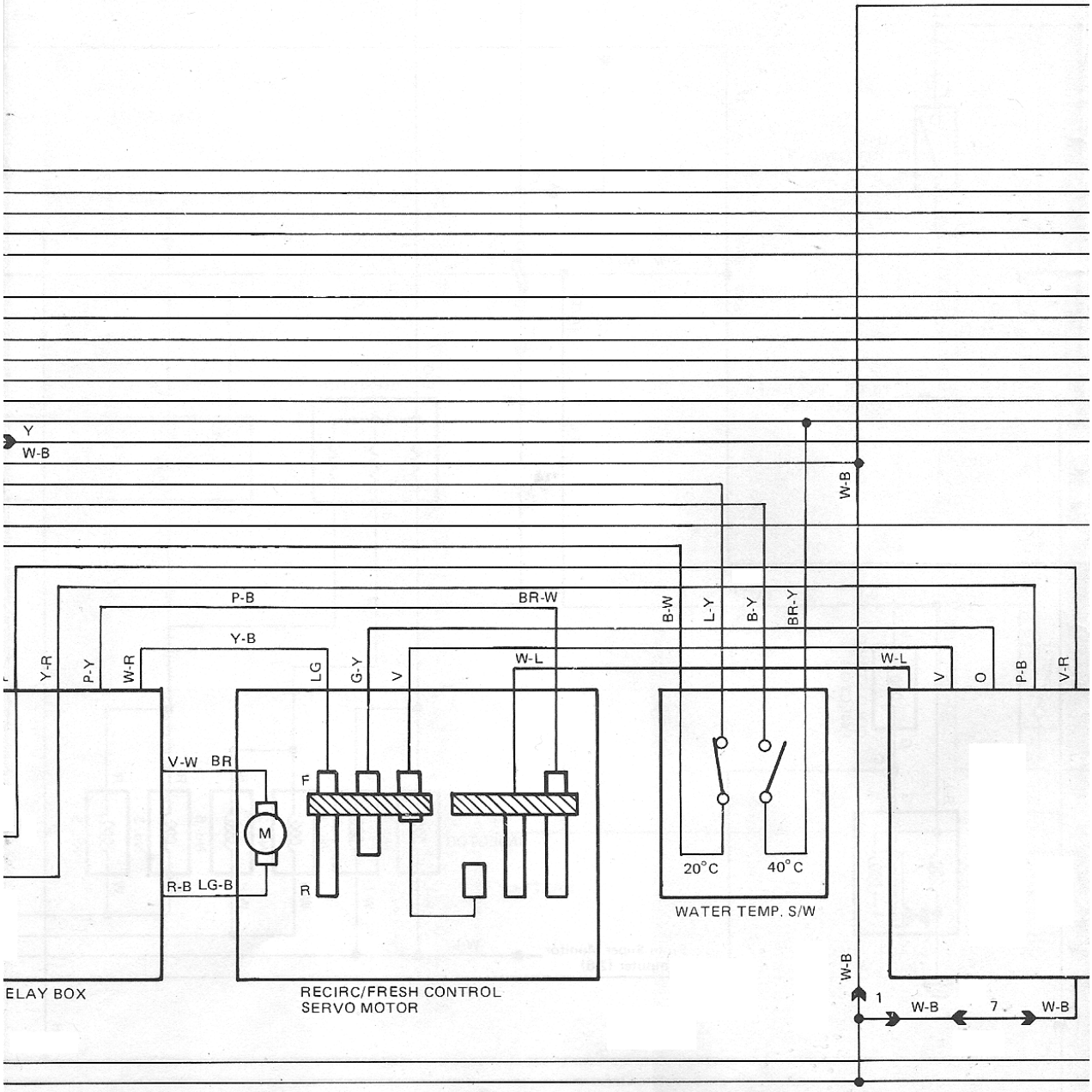
Remote Control Mirrors with Heater

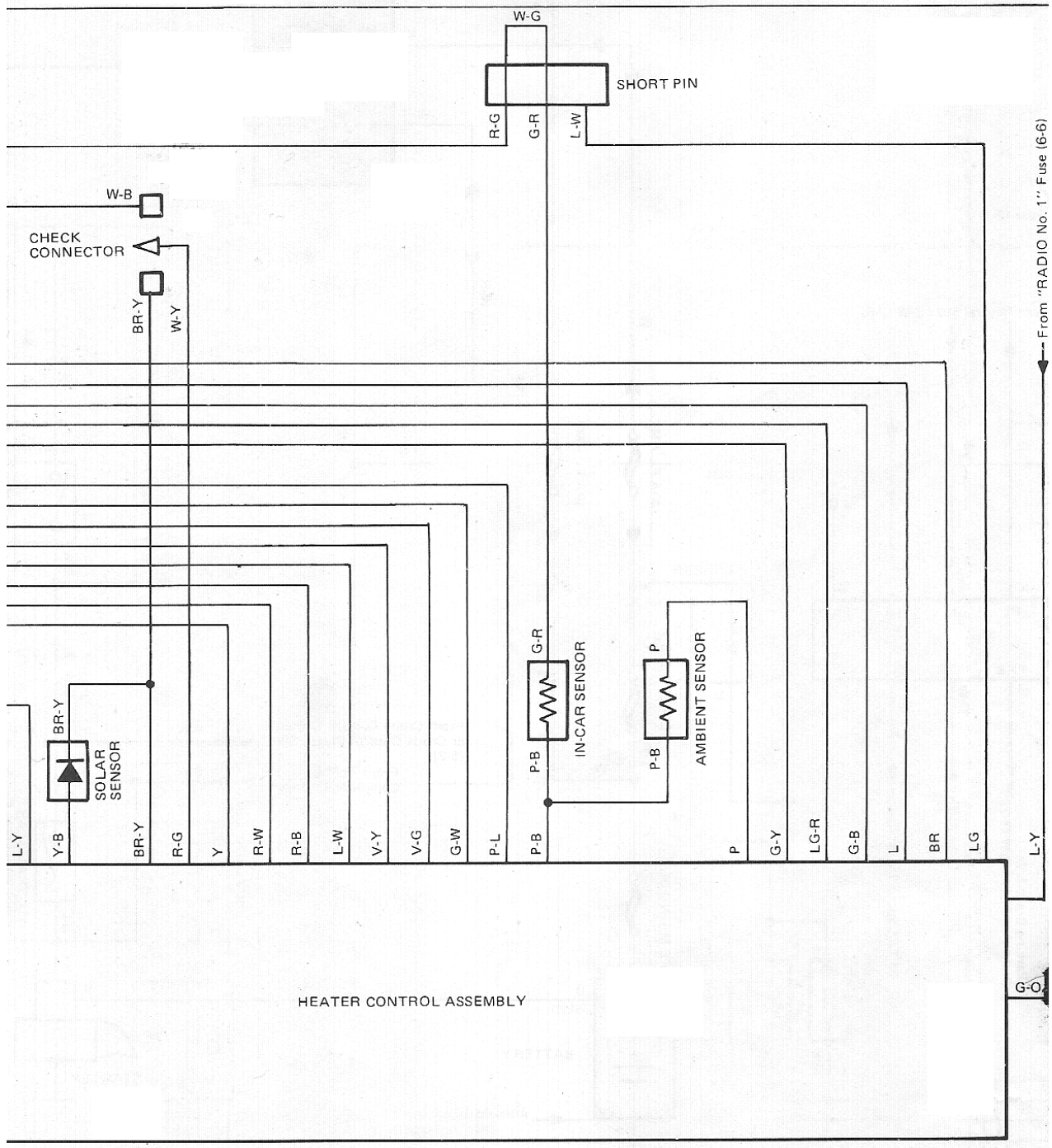




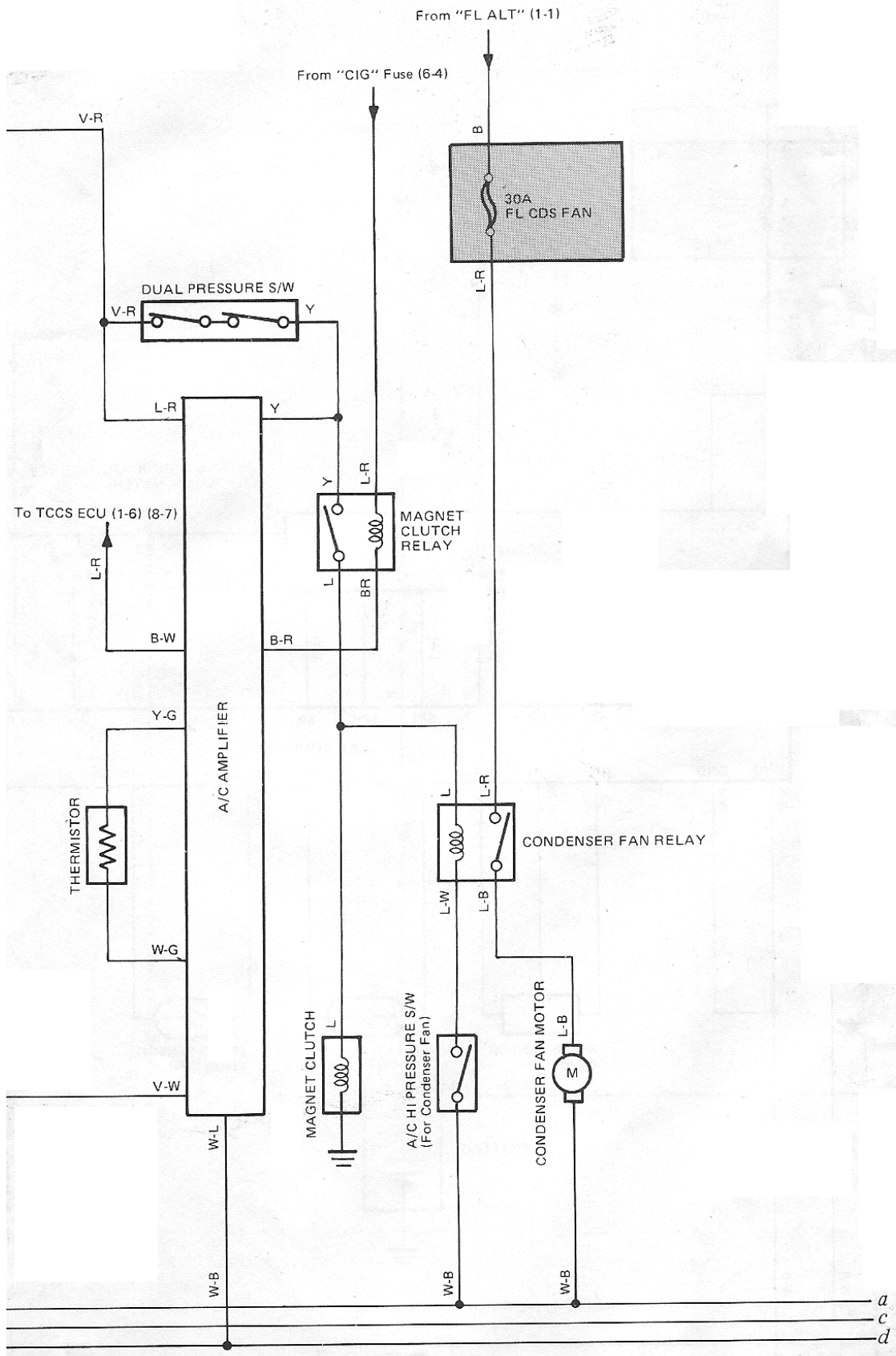
Ground points *a* = Located on left fender *c* = Located under left front pillar *d* = Located under right front pillar


Y
Y
7
B-R
BR-Y
7
W-B
BR-W
B-Y
L-Y
B-Y
L-Y
B-W
7
G
B-R
P
LG-B
R-W
L
L
L-B
W-B
R-W
G
B-Y
W-B
Y
HEAT MODE S/W
M
GR
A/C R
AIR VENT MODE CONTROL SERVO MOTOR
V


Y
W-B
W-B
P-B
BR-W
B-W
L-Y
B-Y
BR-Y
Y-B
Y-R
P-Y
W-R
LG
G-Y
V
W-L
W-L
V
O
P-B
V-R
V-W
BR
F
M
R-B
LG-B
R
20°C
40°C
WATER TEMP. S/W
W-B
1
W-B
7
W-B
ELAY BOX
RECIRC/FRESH CONTROL
SERVO MOTOR


W-G
SHORT PIN
R-G
G-R
L-W
W-B
CHECK CONNECTOR
BR-Y
W-Y
From "RADIO No. 1" Fuse (6-6)
BR-Y
SOLAR SENSOR
G-R
IN-CAR SENSOR
P
AMBIENT SENSOR
P-B
P-B
L-Y
Y-B
BR-Y
R-G
Y
R-W
R-B
L-W
V-Y
V-G
G-W
P-L
P-B
P
G-Y
LG-R
G-B
L
BR
LG
L-Y
G-O
HEATER CONTROL ASSEMBLY

8


From "FL ALT" (1-1)
From "CIG" Fuse (6-4)
V-R
B
30A
FL CDS FAN
L-R
DUAL PRESSURE S/W
V-R
Y
L-R
Y
Y
L-R
MAGNET
CLUTCH
RELAY
To TCCS ECU (1-6) (8-7)
L-R
L
BR
B-W
B-R
Y-G
A/C AMPLIFIER
THERMISTOR
L
L-R
CONDENSER FAN RELAY
L-W
L-B
W-G
MAGNET CLUTCH
L
A/C HI PRESSURE S/W
(For Condenser Fan)
CONDENSER FAN MOTOR
L-B
M
V-W
W-L
W-B
W-B
W-B
a
c
d

A.B.S. (Anti-Lock Brake System)

1

From "FL ALT" (1-1)

B

60A
ESC

L

From "GAUGE"

A.B.S. INDICATOR LIGHT
(COMB. METER)

L-O

L-O

L

L

A.B.S. ACTUATOR

L-O

R-B

W-B

Y | L-B | L-Y | Y-R | R-Y | R-W | L-R | R | L-W

L-O

T | MT | MR | R- | SR | SRR | SFL | SPR | SB | AST | LP

A.B.S. COMPUTER

GND | GND | RR+ | P | RR- | FL+ | FL- | FR+ | FR-

W-B | W-B | B | R-B | Y | V-G | P | BR-R | W

SPEED SENSOR
REAR

SPEED SENSOR
FRONT LH

SPEED SENSOR
FRONT RH

W-B | W-B

a
b
c
d
f

Ground points

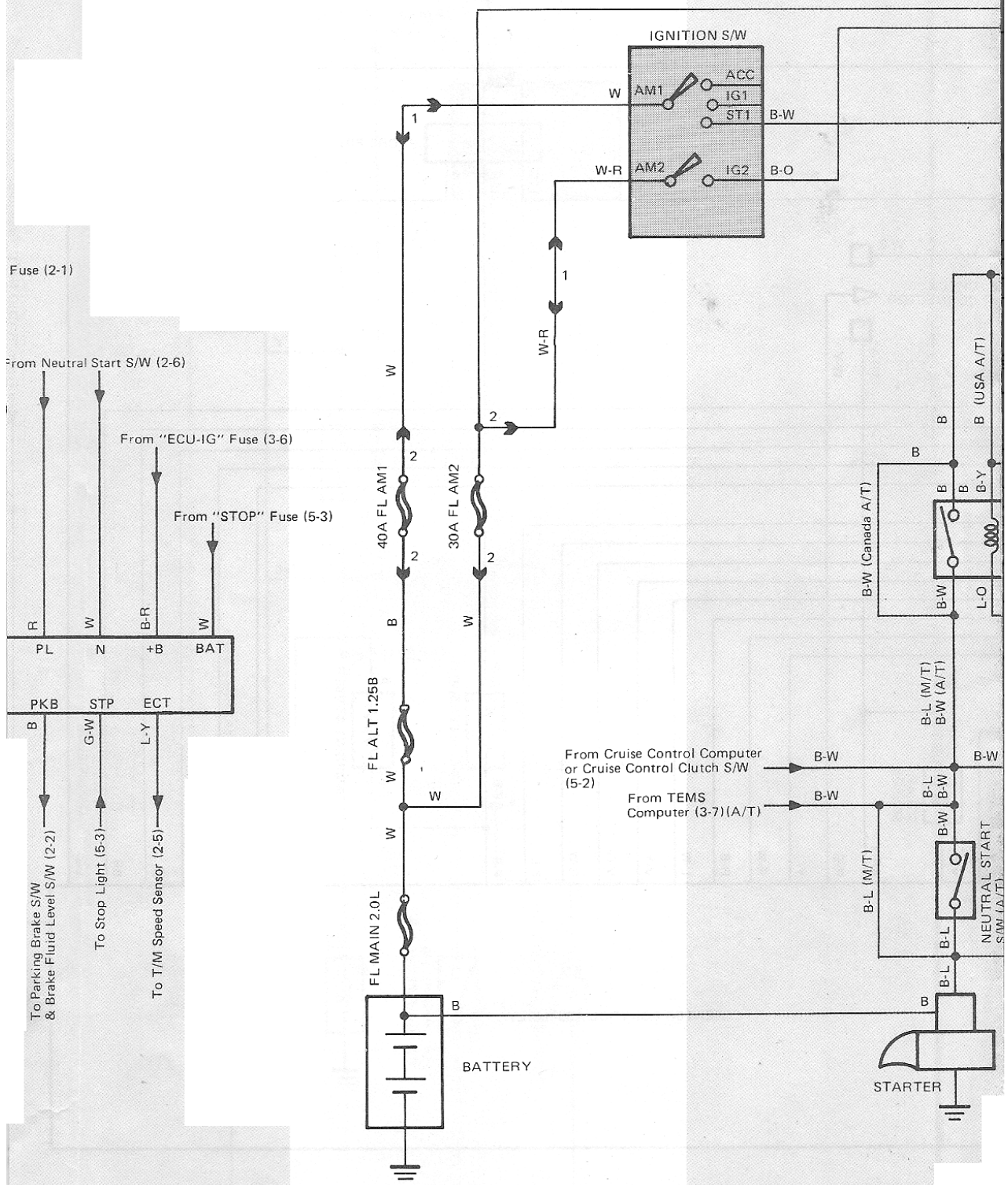
a = Located on left fender

b = Located on engine block

c = Located un

Power Sourse

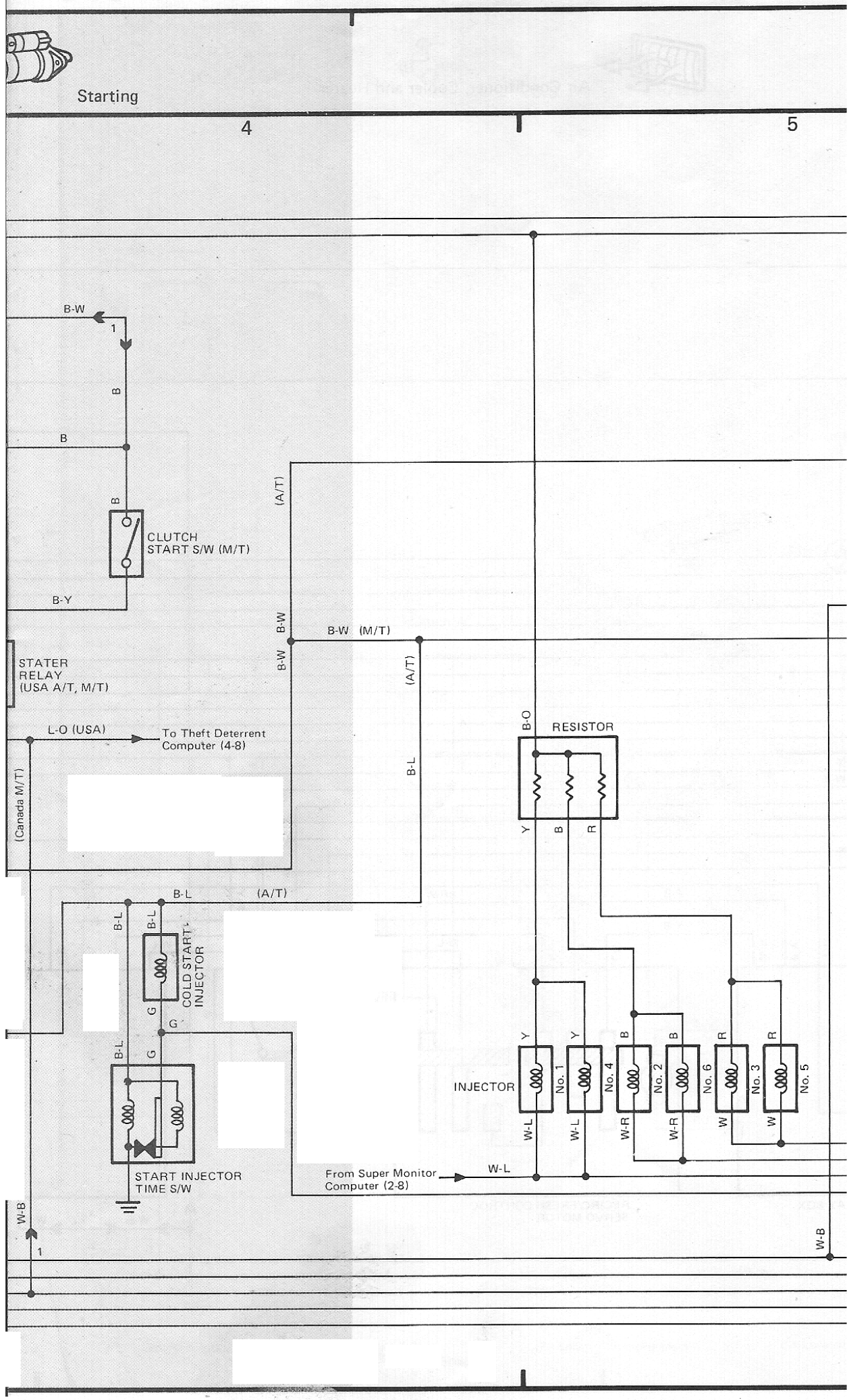
2 3

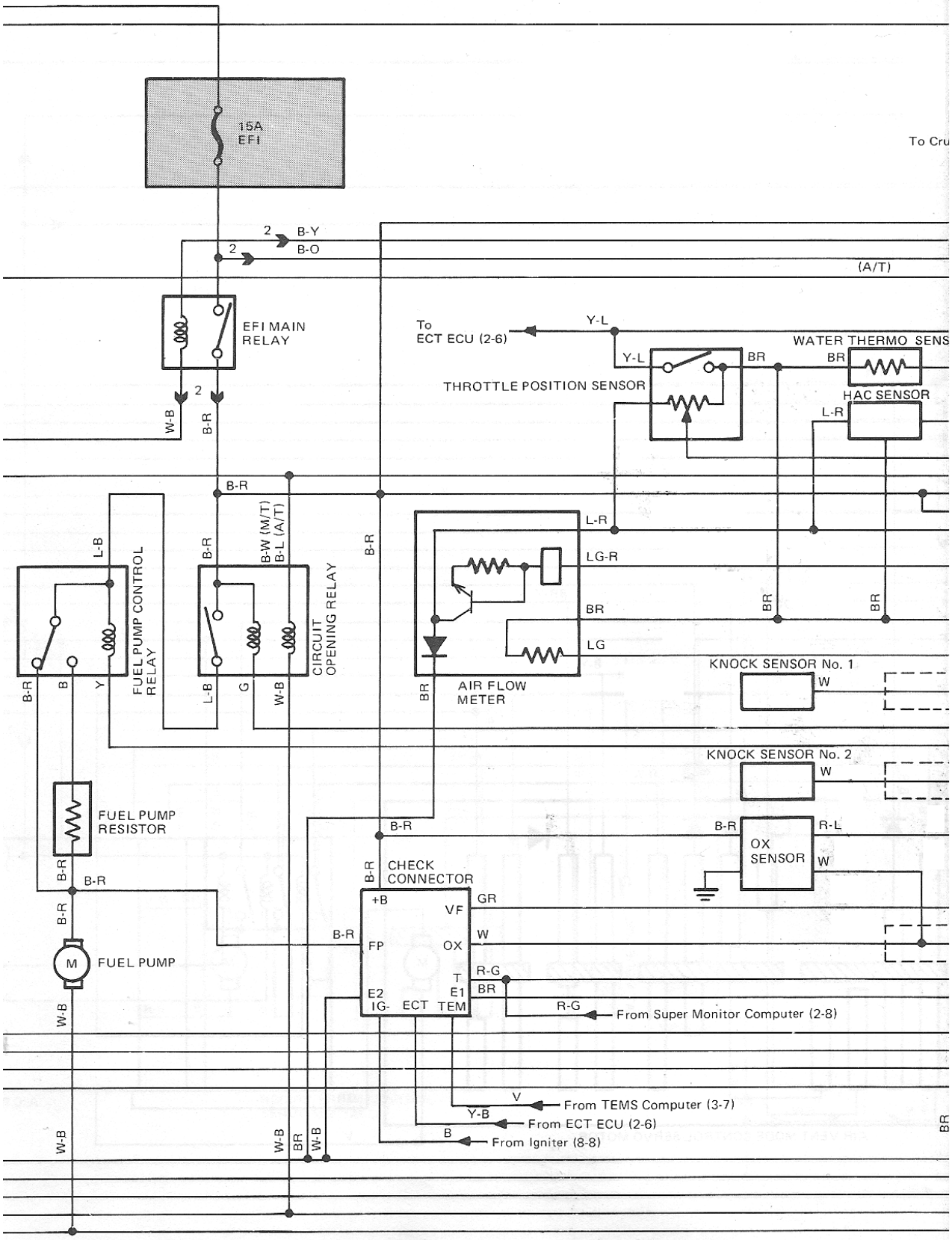


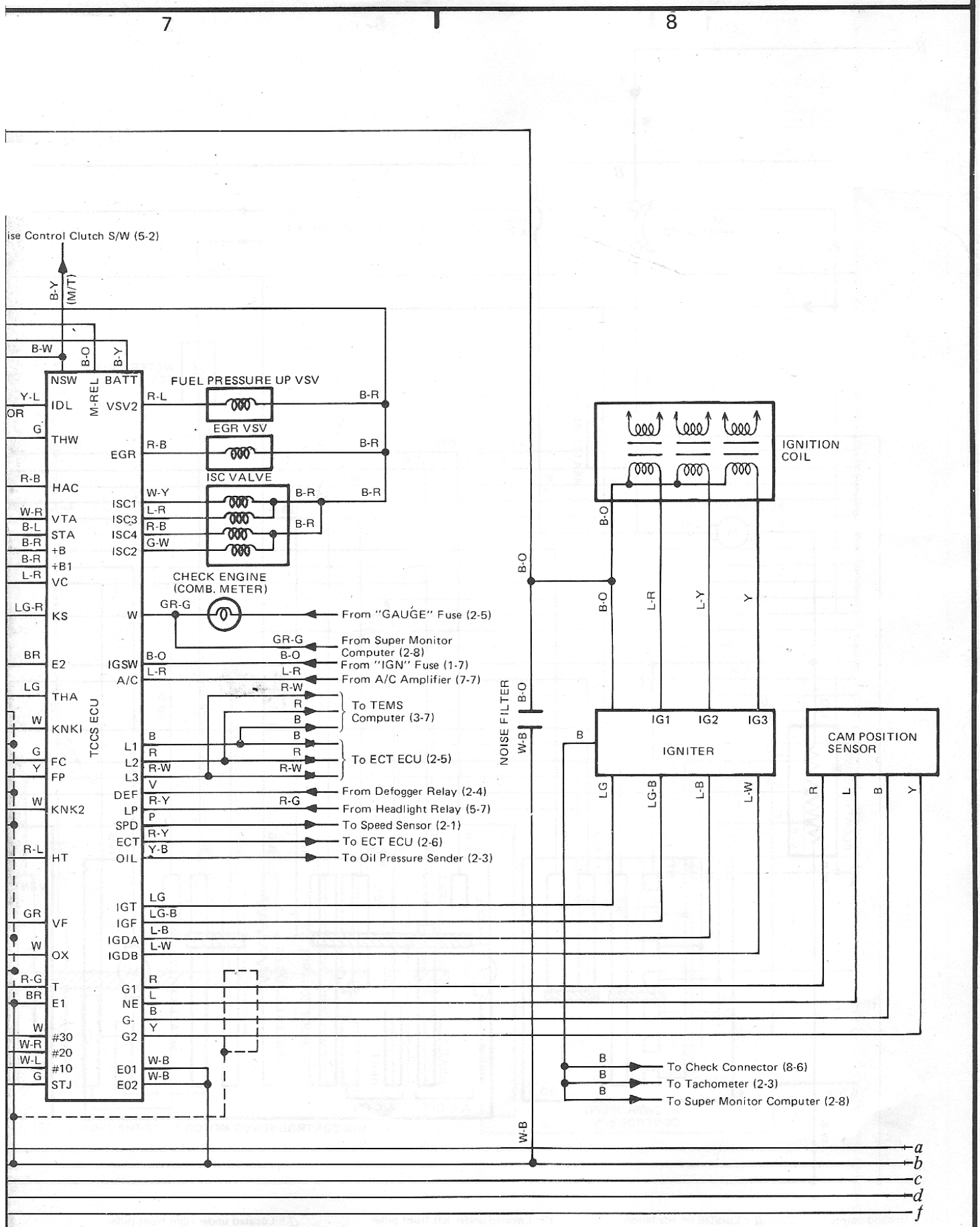
der left front pillar

d = Located under right front pillar

f = Located on back panel


4
5
B-W
1
B
B
B
CLUTCH
START S/W (M/T)
B-Y
(A/T)
B-W
B-W (M/T)
B-W
STATER
RELAY
(USA A/T, M/T)
(A/T)
L-O (USA)
To Theft Deterrent
Computer (4-8)
B-L
(Canada M/T)
B-O
RESISTOR
Y
B
R
B-L
(A/T)
B-L
B-L
COLD START
INJECTOR
G
G
B-L
G
INJECTOR
Y
Y
B
B
R
R
No. 1
No. 4
No. 2
No. 6
No. 3
No. 5
W-L
W-L
W-R
W-R
W
W
START INJECTOR
TIME S/W
From Super Monitor
Computer (2-8)
W-L
W-B
1
W-B


15A
EFI
To Cru
2
B-Y
B-O
(A/T)
EFI MAIN
RELAY
To
ECT ECU (2-6)
Y-L
WATER THERMO SENS
THROTTLE POSITION SENSOR
HAC SENSOR
L-R
W-B
B-R
L-B
FUEL PUMP CONTROL
RELAY
B-W (M/T)
B-L (A/T)
CIRCUIT
OPENING RELAY
LG-R
BR
LG
AIR FLOW
METER
KNOCK SENSOR No. 1
KNOCK SENSOR No. 2
W
FUEL PUMP
RESISTOR
OX
SENSOR
R-L
CHECK
CONNECTOR
+B
VF
GR
FP
OX
T
R-G
E2
E1
IG-
ECT
TEM
From Super Monitor Computer (2-8)
FUEL PUMP
From TEMS Computer (3-7)
From ECT ECU (2-6)
From Igniter (8-8)
V
Y-B
B
BR


7
8
ise Control Clutch S/W (5-2)
B-Y
(M/T)
B-W
B-O
B-Y
NSW
BATT
M-REL
IDL
VSV2
THW
EGR
HAC
ISC1
VTA
ISC3
STA
ISC4
+B
ISC2
+B1
VC
KS
W
E2
IGSW
A/C
THA
KNKI
TCCS ECU
L1
L2
L3
FC
FP
DEF
KNK2
LP
SPD
ECT
HT
OIL
IGT
VF
IGF
IGDA
OX
IGDB
T
G1
E1
NE
G-
#30
G2
#20
#10
E01
STJ
E02
FUEL PRESSURE UP VSV
EGR VSV
ISC VALVE
CHECK ENGINE
(COMB. METER)
From "GAUGE" Fuse (2-5)
From Super Monitor
Computer (2-8)
From "IGN" Fuse (1-7)
From A/C Amplifier (7-7)
To TEMS
Computer (3-7)
To ECT ECU (2-5)
From Defogger Relay (2-4)
From Headlight Relay (5-7)
To Speed Sensor (2-1)
To ECT ECU (2-6)
To Oil Pressure Sender (2-3)
NOISE FILTER
IGNITION
COIL
IG1
IG2
IG3
IGNITER
CAM POSITION
SENSOR
To Check Connector (8-6)
To Tachometer (2-3)
To Super Monitor Computer (2-8)
a
b
c
d
f

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