

WIRING DIAGRAM SECTION

FOREWORD

This portion of the service manual has been prepared to provide SUBARU service personnel with the necessary information and data for the correct maintenance and repair of SUBARU vehicles.

This manual includes the procedures for maintenance disassembling, reassembling, inspection and adjustment of components and diagnostics for guidance of both the fully qualified and the less-experienced mechanics.

Please peruse and utilize this manual fully to ensure complete repair work for satisfying our customers by keeping their vehicle in optimum condition. When replacement of parts during repair work is needed, be sure to use SUBARU genuine parts.

All information, illustration and specifications contained in this manual are based on the latest product information available at the time of publication approval.

WIRING DIAGRAM	6-3
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## Important safety notice

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- Providing appropriate service and repair is a matter of great importance in the serviceman's safety maintenance and safe operation, function and performance which the SUBARU vehicle possesses.
- In case the replacement of parts or replenishment of consumables is required, genuine SUBARU parts whose parts numbers are designated or their equivalents must be utilized.
- It must be made well known that the safety of the serviceman and the safe operation of the vehicle would be jeopardized if he used any service parts, consumables, special tools and work procedure manuals which are not approved or designated by SUBARU.

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# WIRING DIAGRAM

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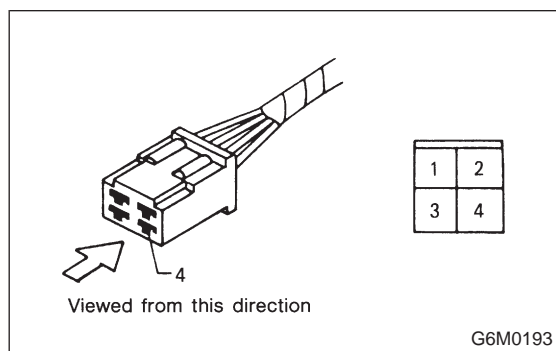
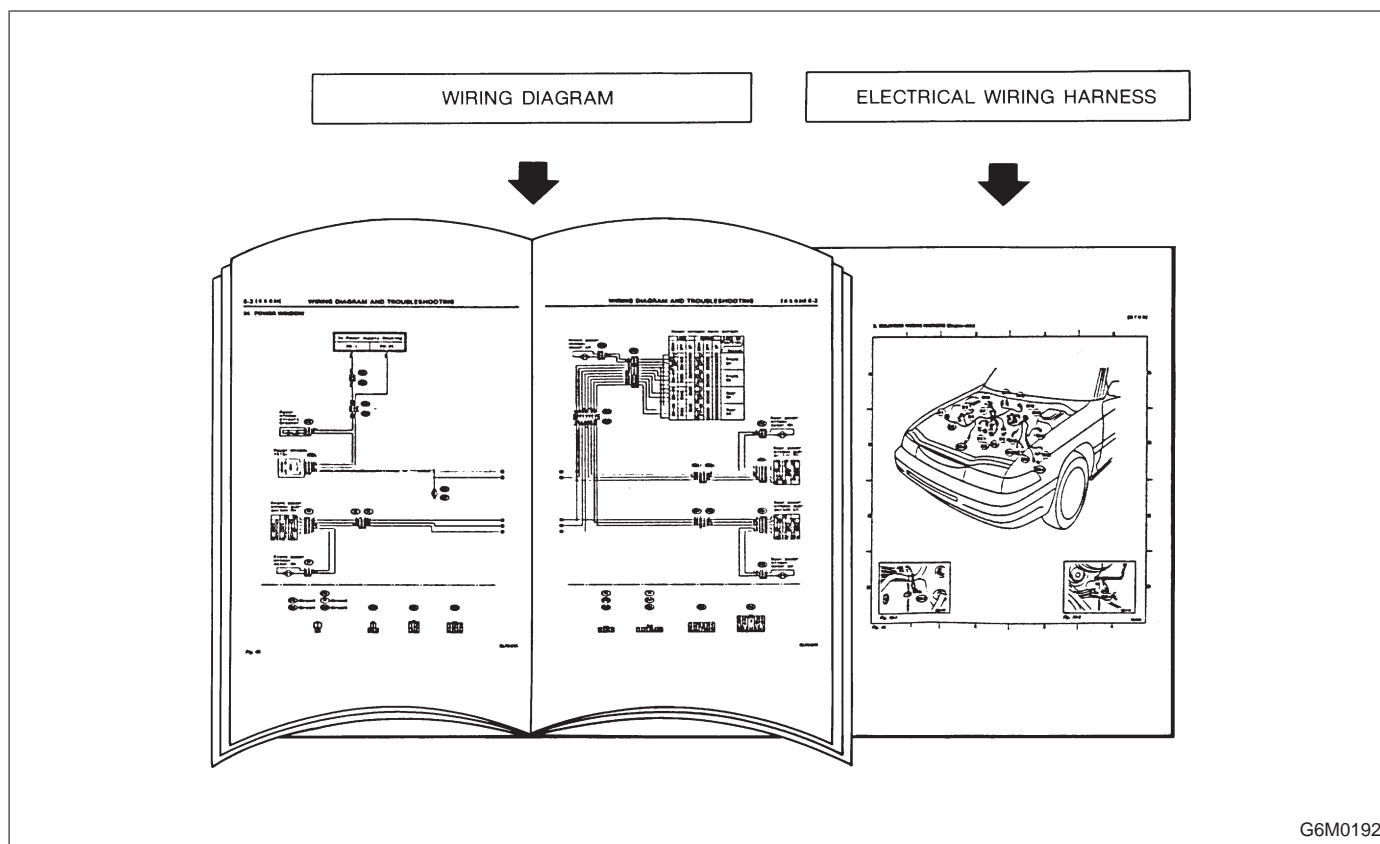
## 1. General Description

### 1. HOW TO USE THIS MANUAL

The description of the electrical system is divided into the charging system, starting system, etc.

1) First, open to the necessary electrical system section and wiring diagram.

2) Next, open the foldout page of the electrical wiring diagram. By observing the electrical wiring harness' illustrations (front, instrument panel, etc.), the wiring diagram connector can be located.



## 2. WIRING DIAGRAM

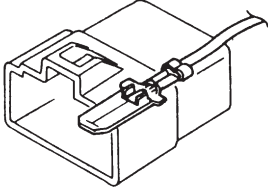
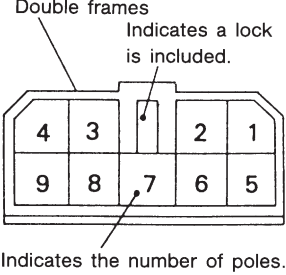
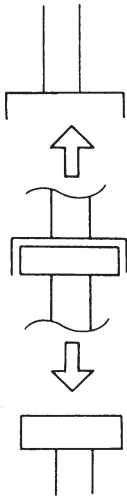
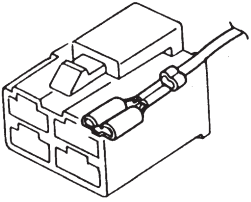
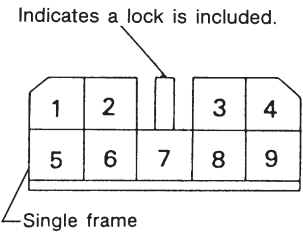
The wiring diagram of each system is illustrated so that you can understand the path through which the electric current flows from the battery.

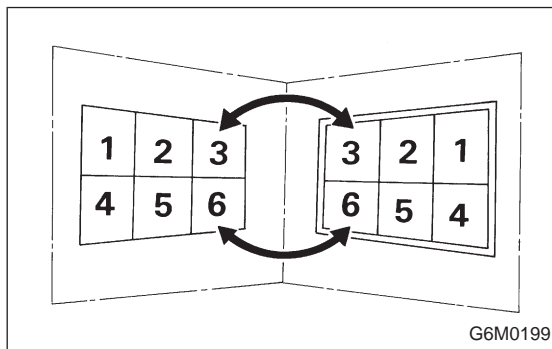
Sketches and codes are used in the diagrams. They should read as follows:

1) Each connector and its terminal position are indicated by a sketch of the connector in a disconnected state which is viewed from the front, as shown in figure.

2) The number of poles or pins, presence of a lock, and pin number of each terminal are indicated in the sketch of each connector.

In the sketch, the highest pole number refers to the number of poles which the connector has. For example, the sketch of the connector shown in figure indicates the connector has 9 poles.

Connector used in vehicle	Connector shown in wiring diagram		
	Sketch	Symbol	Number of poles
 G6M0194	 G6M0196	 G6M0198	Numbered in order from upper right to lower left.
 G6M0195	 G6M0197		Numbered in order from upper left to lower right.

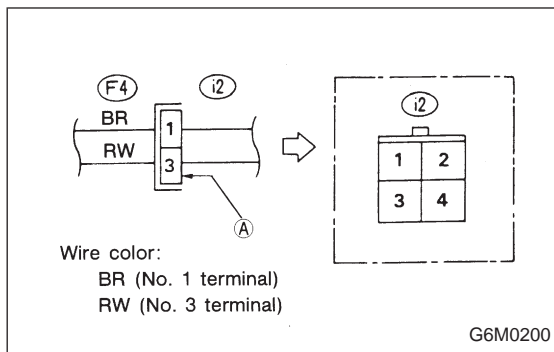


When one set of connectors is viewed from the front side, the pole numbers of one connector are symmetrical to those of the other. When these two connectors are connected as a unit, the poles which have the same number are joined.

### 3) Electrical wiring harness

The connectors are numbered along with the number of poles, external colors, and mating connections in the accompanying list.

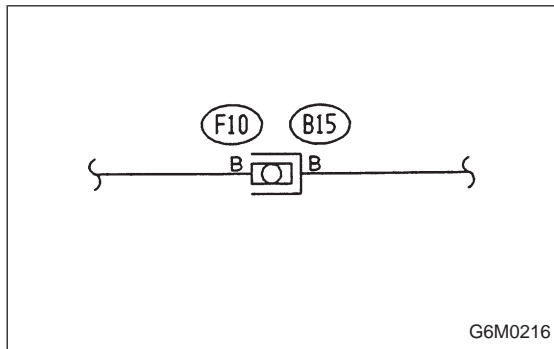
## 1. General Description



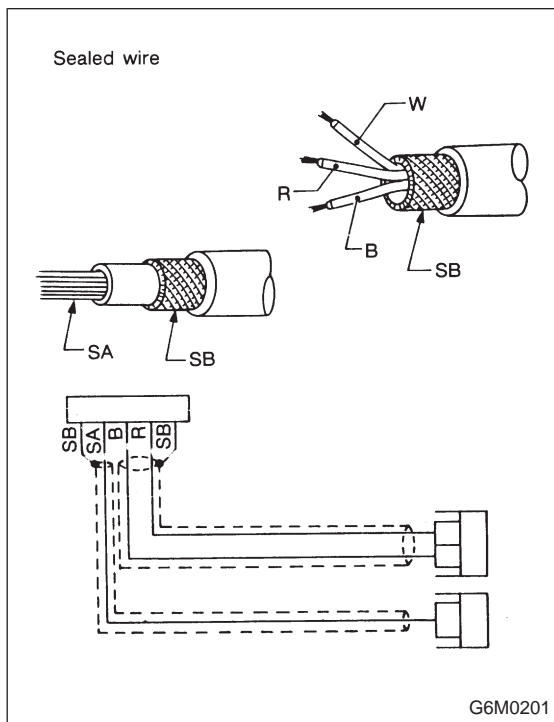
4) The sketch of each connector in the wiring diagram usually shows the "A" side of the connector. The relationship between the wire color, terminal number and connector is described in figure.

**NOTE:**

A wire which runs in one direction from a connector terminal sometimes may have a different color from that which runs in the other direction from that terminal.

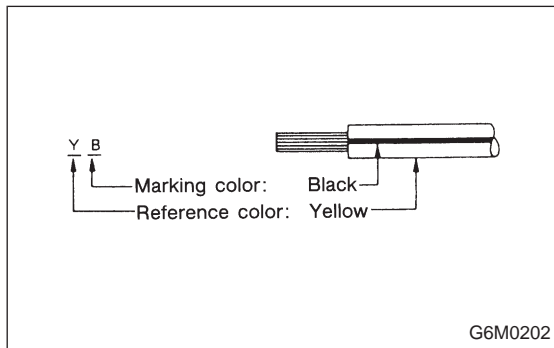


5) In wiring diagram, connectors which have no terminal number refer to one-pole types. Sketches of these connectors are omitted intentionally.



6) The following color codes are used to indicate the colors of the wires used.

Color code	Color
L	Blue
B	Black
Y	Yellow
G	Green
R	Red
W	White
Br	Brown
Lg	Light green
Gr	Gray
P	Pink
Or	Orange
Lb	Light Blue
V	Violet
SA	Sealed (Inner)
SB	Sealed (Outer)



7) The wire color code, which consists of two letters (or three letters including Br or Lg), indicates the standard color (base color of the wire covering) by its first letter and the stripe marking by its second letter.

8) The table below lists the nominal sectional areas and allowable currents of the wires.

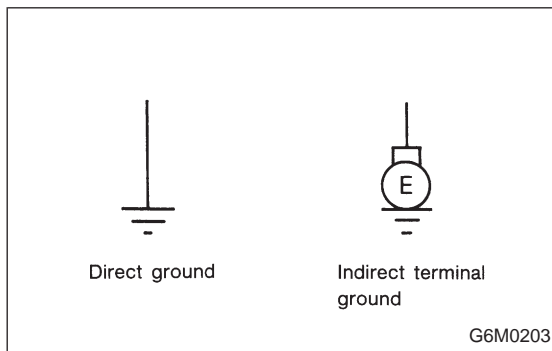
Nominal sectional area mm <sup>2</sup>	No. of strands/ strand diameter	Outside diameter of finished wiring mm	Allowable current Amps/40°C
0.3	7/0.26	1.8	7
0.5	7/0.32	2.2 (or 2.0)	12
0.75	30/0.18	2.6 (or 2.4)	16
0.85	11/0.32	2.4 (or 2.2)	16
1.25	16/0.32	2.7 (or 2.5)	21
2	26/0.32	3.1 (or 2.9)	28
3	41/0.32	3.8 (or 3.6)	38
5	65/0.32	4.6 (or 4.4)	51
8	50/0.45	5.5	67

### CAUTION:

● When replacing or repairing a wire, be sure to use the same size and type of the wire which was originally used.

### NOTE:

- The allowable current in the above table indicates the tolerable amperage of each wire at an ambient temperature of 40°C (104°F).
- The allowable current changes with ambient temperature. Also, it changes if a bundle of more than two wires is used.



9) Each unit is directly grounded to the body or indirectly grounds through a harness ground terminal. Different symbols are used in the wiring diagram to identify the two grounding systems.

The ground points shown in the wiring diagram refer to the following:

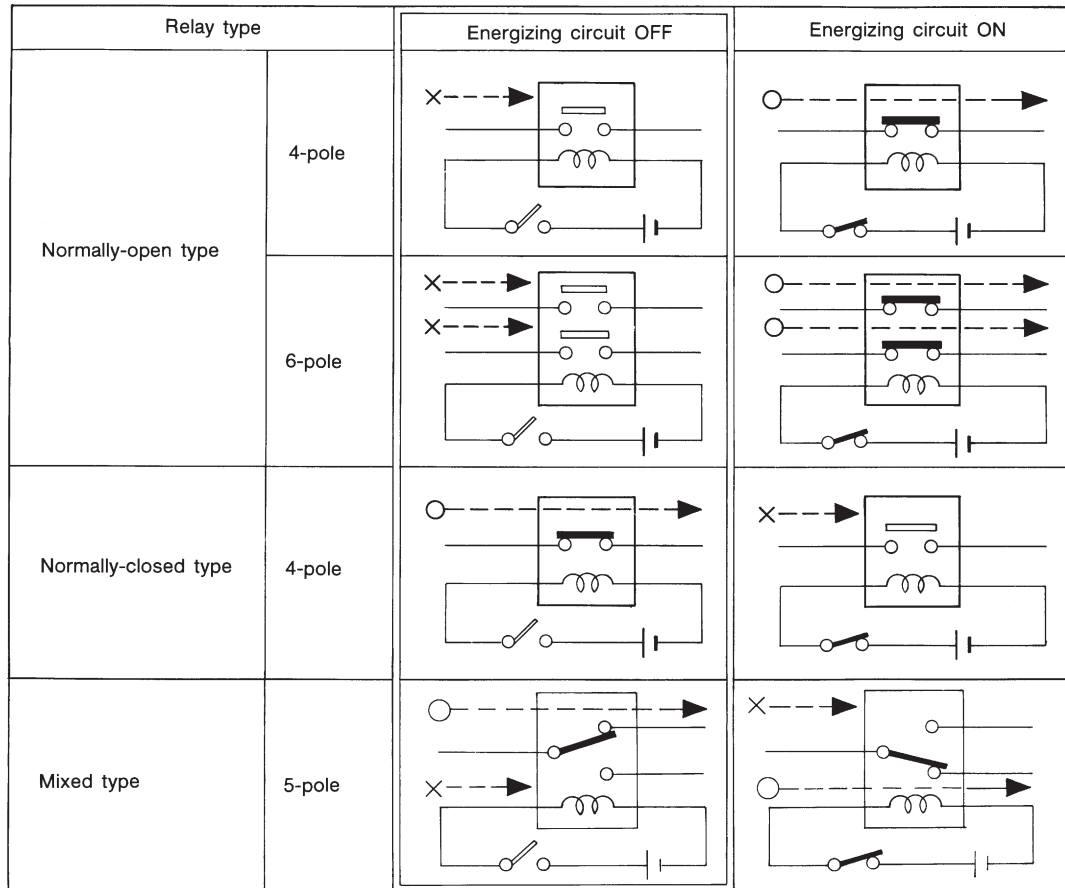
- (GB) Body ground
- (GE) Engine ground
- (GR) Radio ground
- (GD) Rear defogger ground

All wiring harnesses are provided with a ground point which should be securely connected.

10) Relays are classified as normally-open or normally-closed.

The normally-closed relay has one or more contacts.

The wiring diagram shows the relay mode when the energizing circuit is OFF.



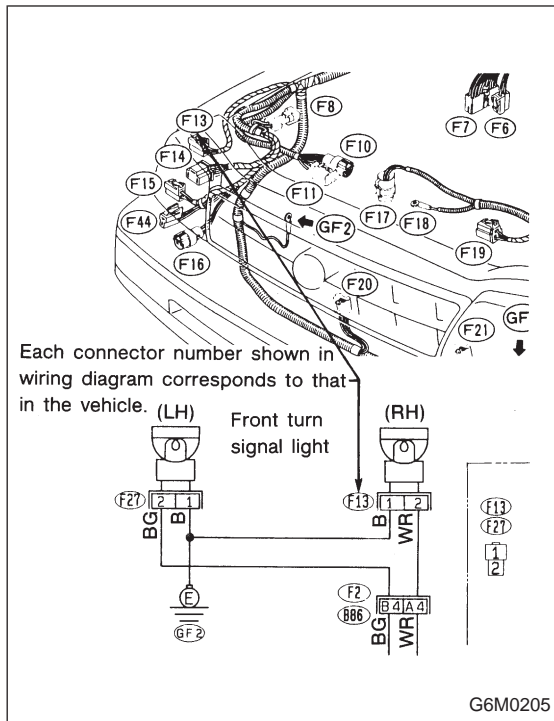
G6M0204

**Key to symbols:**

○ → : Current flows.

X → : Current does not flow.





11) Each connector number shown in the wiring diagram corresponds to that in the wiring harness. The location of each connector in the actual vehicle is determined by reading the first character of the connector (for example, a “F” for F8, “i” for i16, etc.) and the type of wiring harness. The first character of each connector number refers to the area or system of the vehicle, as indicated in table below.

Symbol	Wiring harness and Cord
F	Front wiring harness LH & RH
B	Bulkhead wiring harness
E	Engine wiring harness, Engine module wiring harness
T	Transmission cord
D	Door cord LH & RH, Rear door adapter cord LH & RH
I	Instrument panel wiring harness
R	Rear wiring harness, Rear defogger cord Room light cord, Fuel tank cord, Sunroof cord, Rear gate cord, Rear gate lock adapter cord
P	Power window main harness

## 2. Basic Diagnostics Procedure

The most important purpose of diagnostics is to determine which part is malfunctioning quickly, to save time and labor.

### A: IDENTIFICATION OF TROUBLE SYMPTOM

Determine what the problem is based on the symptom.

### B: PROBABLE CAUSE OF TROUBLE

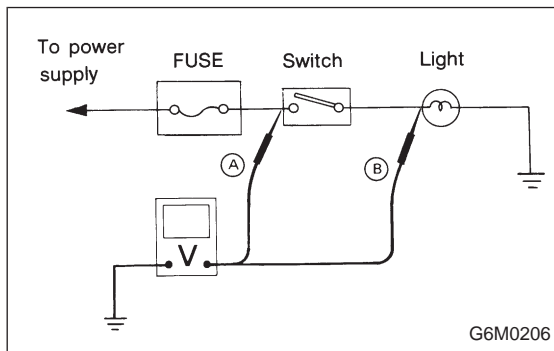
Look at the wiring diagram and check the system's circuit. Then check the switch, relay, fuse, ground, etc.

### C: LOCATION AND REPAIR OF TROUBLE

- 1) Using the diagnostics narrow down the causes.
- 2) If necessary, use a voltmeter, ohmmeter, etc.
- 3) Before replacing certain component parts (switch, relay, etc.), check the power supply, ground, for open wiring harness, poor connectors, etc. If no problems are encountered, check the component parts.

### D: CONFIRMATION OF SYSTEM OPERATION

After repairing, ensure that the system operates properly.



## E: INSPECTION

### 1. VOLTAGE MEASUREMENT

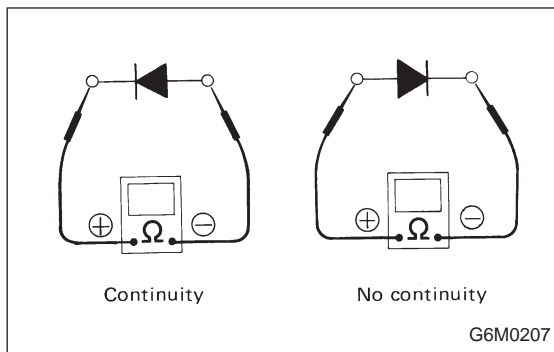
- 1) Using a voltmeter, connect the negative lead to a good ground point or negative battery terminal and the positive lead to the connector or component terminal.
- 2) Contact the positive probe of the voltmeter on connector (A).

The voltmeter will indicate a voltage.

- 3) Shift the positive probe to connector (B). The voltmeter will indicate no voltage.

With test set-up held as it is, turn switch ON. The voltmeter will indicate a voltage and, at the same time, the light will come on.

- 4) The circuit is in good order. If a problem such as a lamp failing to light occurs, use the procedures outlined above to track down the malfunction.



## 2. CIRCUIT CONTINUITY CHECKS

1) Disconnect the battery terminal or connector so there is no voltage between the check points. 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.

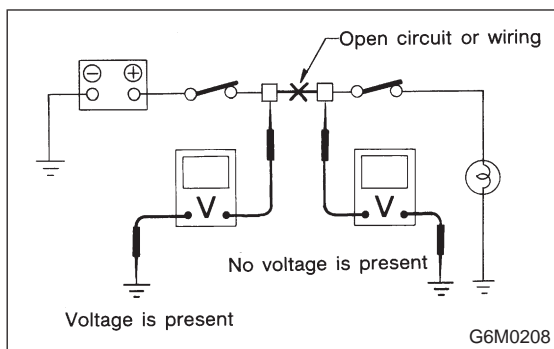
2) Use an ohmmeter to check for diode continuity.

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.

3) Symbol “o—o” indicates that continuity exists between two points or terminals. For example, when a switch position is “3”, continuity exists among terminals 1, 3 and 6, as shown in table below.

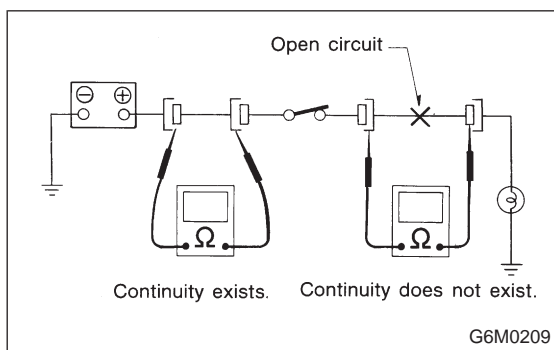
Terminal Switch Position	1	2	3	4	5	6
OFF						
1	○				○	○
2	○			○		○
3	○		○			○
4	○	○				○



### 3. HOW TO DETERMINE AN OPEN CIRCUIT

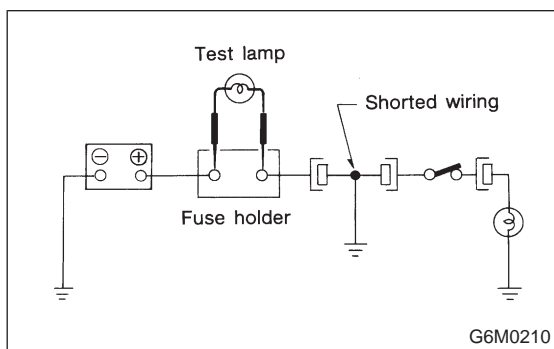
#### 1) Voltmeter Method

An open circuit is determined by measuring the voltage between respective connectors and ground using a voltmeter, starting with the connector closest to the power supply. The power supply must be turned ON so that current flows in the circuit. If voltage is not present between a particular connector and ground, the circuit between that connector and the previous connector is open.



#### 2) Ohmmeter method

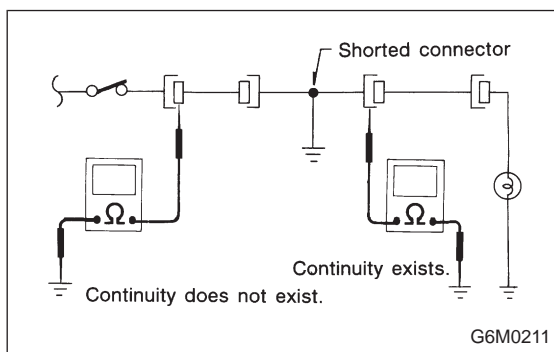
Disconnect all connectors affected, and check continuity in the wiring between adjacent connectors. When the ohmmeter indicates "infinite", the wiring is open.



### 4. HOW TO DETERMINE A SHORTCIRCUIT

#### 1) Test lamp method

Connect a test lamp (rated at approximately 3 watts) in place of the blown fuse and allow current to flow through the circuit. Disconnect one connector at a time from the circuit, starting with the one located farthest from the power supply. If the test lamp goes out when a connector is disconnected, the wiring between that connection and the next connector (farther from the power supply) is shorted.



#### 2) Ohmmeter method

Disconnect all affected connectors, and check continuity between each connector and ground. When ohmmeter indicates continuity between a particular connector and ground, that connector is shorted.

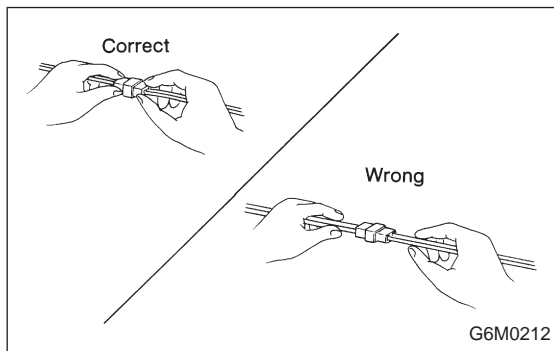
### 3. Working Precautions

#### 1. PRECAUTIONS WHEN WORKING WITH THE PARTS MOUNTED ON THE VEHICLE

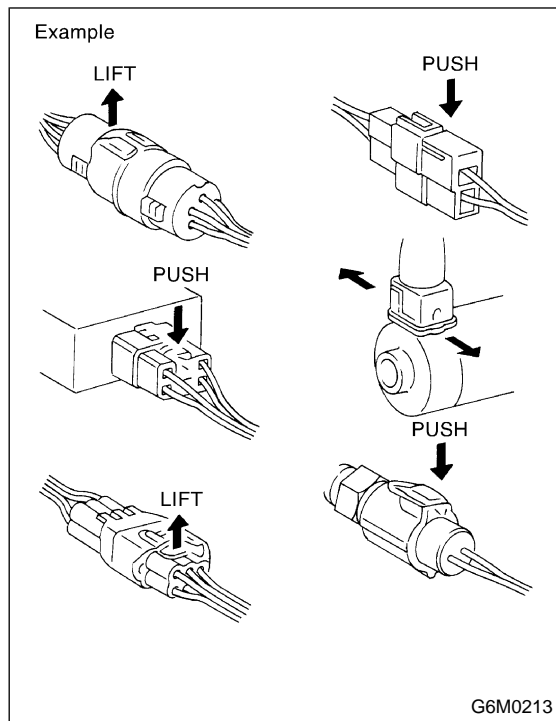
- 1) When working under a vehicle which is jacked-up, always be sure to use safety stands.
- 2) The parking brake must always be applied during working. Also, in automatic transmission vehicles, keep the select lever set to the P (Parking) range.
- 3) Be sure the workshop is properly ventilated when running the engine. Further, be careful not to touch the belt or fan while the engine is operating.
- 4) Be careful not to touch hot metal parts, especially the radiator and exhaust system immediately after the engine has been shut off.

#### 2. PRECAUTIONS IN TROUBLE DIAGNOSIS AND REPAIR OF ELECTRIC PARTS

- 1) The battery cable must be disconnected from the battery's (-) terminal, and the ignition switch must be set to the OFF position, unless otherwise required by the diagnostics.
- 2) Securely fasten the wiring harness with clamps and slips so that the harness does not interfere with the body end parts or edges and bolts or screws.
- 3) When installing parts, be careful not to catch them on the wiring harness.

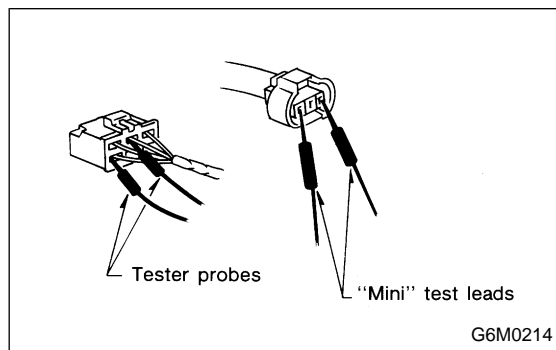


- 4) When disconnecting a connector, do not pull the wires, but pull while holding the connector body.



5) Some connectors are provided with a lock. One type of such a connector is disconnected by pushing the lock, and the other, by moving the lock up. In either type the lock shape must be identified before attempting to disconnect the connector.

To connect, insert the connector until it snaps and confirm that it is tightly connected.



6) When checking continuity between connector terminals, or measuring voltage across the terminal and ground, always contact tester probe(s) on terminals from the wiring connection side. If the probe is too thick to gain access to the terminal, use "mini" test leads.

To check water-proof connectors (which are not accessible from the wiring side), contact test probes on the terminal side being careful not to bend or damage the terminals.

7) Sensors, relays, electrical unit, etc., are sensitive to strong impacts.

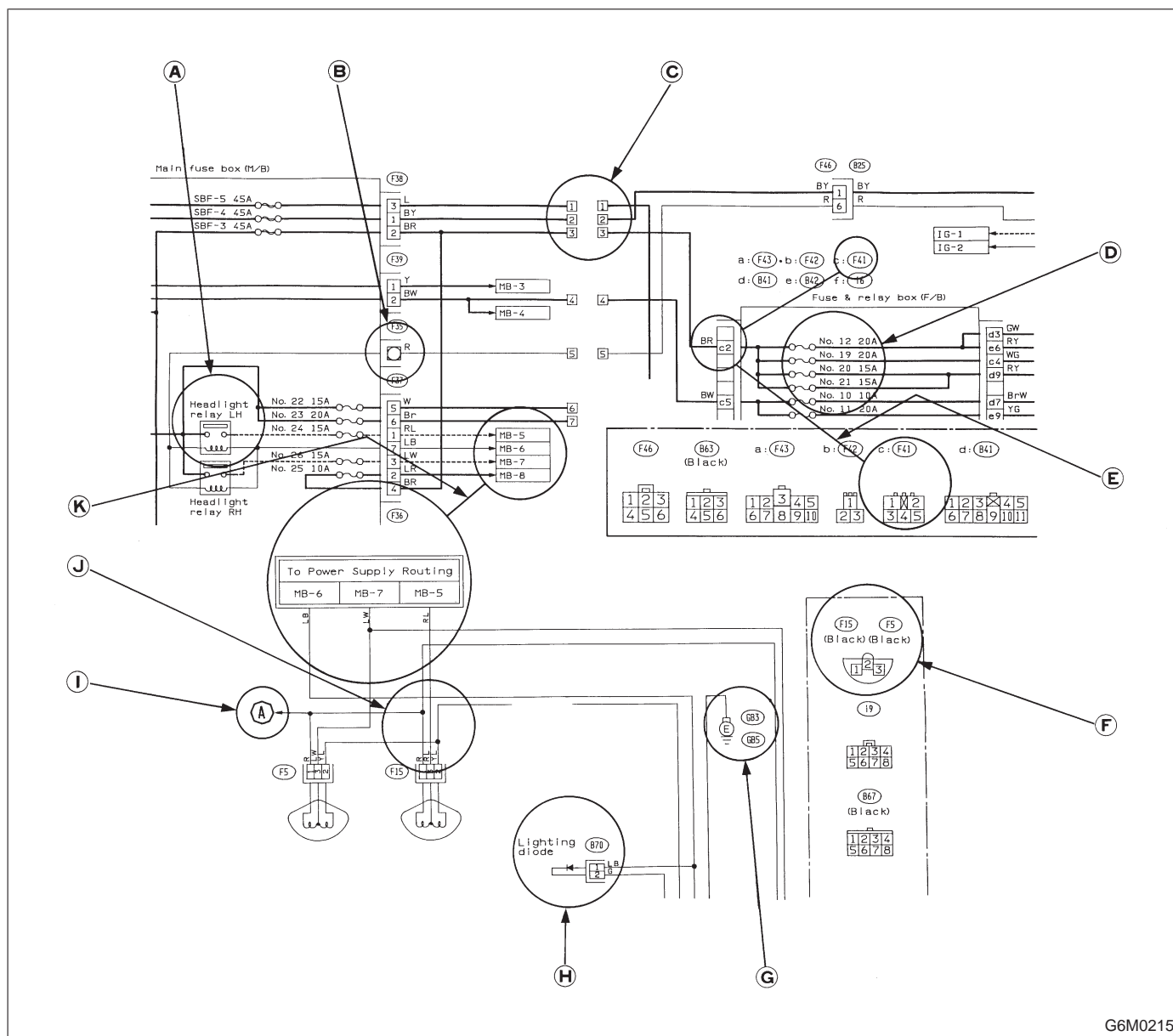
Handle them with care so that they are not dropped or mishandled.

## ABBREVIATION LIST

Abbr.	Full name
A.B.S.	Antilock Brake System
ACC	Accessory
A/C	Air Conditioning
AD	Auto Down
AT	Automatic Transmission
AU	Auto Up
+B	Battery
DN	Down
DRL	Daytime Running Light
E	Ground
F/B	Fuse & Joint Box
FL1.5	Fusible link 1.5 mm <sup>2</sup>
IG	Ignition
Illumi.	Illumination

Abbr.	Full name
LH	Left Hand
Lo	Low
M	Motor
M/B	Main Fuse Box
MG	Magnet
Mi	Middle
MPFI	Multi Point Fuel Injection Model
OP	Optional Parts
PASS	Passing
RH	Right Hand
SBF	Slow Blow Fuse
ST	Starter
SW	Switch
UP	Up
WASH	Washer

## 4. How to Use Wiring Diagram



G6M0215

### A: RELAY

A symbol used to indicate a relay.

### B: CONNECTOR-1

The sketch of the connector indicates the one-pole types.

### C: WIRING CONNECTION

Some wiring diagrams are indicated in foldouts for convenience. Wiring destinations are indicated where necessary by corresponding symbols (as when two pages are needed for clear indication).

### D: FUSE NO. & RATING

The "FUSE No. & RATING" corresponds with that used in the fuse box (main fuse box, fuse and joint box.)

### E: CONNECTOR-2

1. Each connector is indicated by a symbol.
2. Each terminal number is indicated in the corresponding wiring diagram in an abbreviated form.
3. For example, terminal number "C2" refers to No. 2 terminal of connector (C:F41) shown in the connector sketch.



**F: CONNECTOR SKETCH**

1. Each connector sketch clearly identifies the shape and color of a connector as well as terminal locations. Non-colored connectors are indicated in natural color.
2. When more than two types of connector number are indicated in a connector sketch, it means that the same type connectors are used.

**G: GROUND**

Each grounding point can be located easily by referring to the corresponding wiring harness.

**H: DIODE**

A symbol is used to indicate a diode.

**I: WIRE TRACING ON EXTENDED WIRING DIAGRAMS**

For a wiring diagram extending over at least two pages, a symbol (consisting of the same characters with arrows), as shown below, facilitates wire tracing from one page to the next.

A ↔ A, B ↔ B

**J: SYMBOLS OF WIRE CONNECTION AND CROSSING**

Symbol

Refers to wires which are connected and branched at the "dot" point.



Symbol

Refers to wires which are crossed but not connected.

**K: POWER SUPPLY ROUTING**

A symbol is used to indicate the power supply in each wiring diagram.

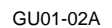
"MB-5", "MB-6", etc., which are used as power-supply symbols throughout the text, correspond with those shown in the POWER SUPPLY ROUTING in the wiring diagram.

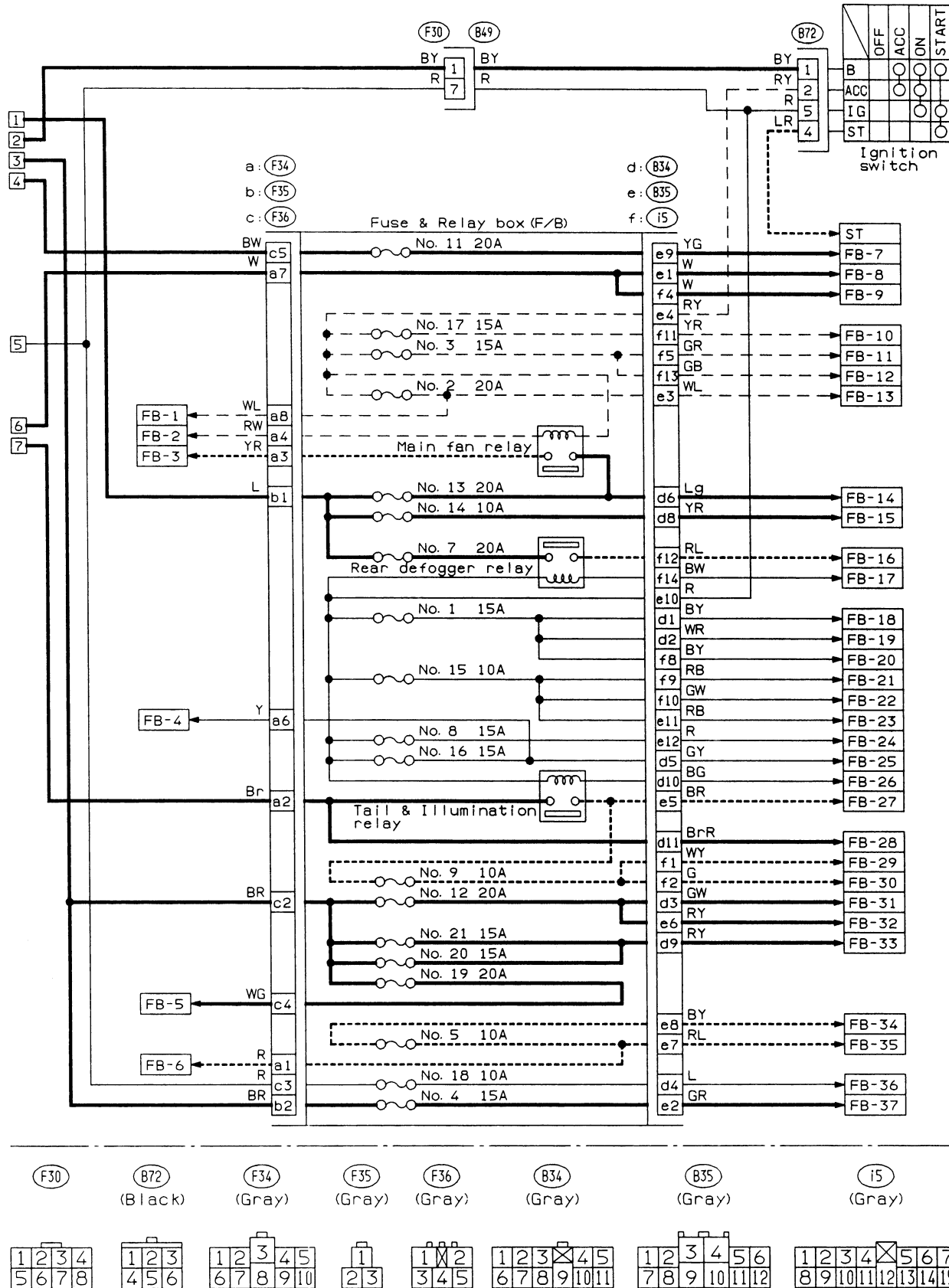
Accordingly, using the POWER SUPPLY ROUTING and wiring diagrams permits service personnel to understand the entire electrical arrangement of a system.

**SYMBOLS AND ABBREVIATIONS**

A number of symbols and abbreviations are used in each wiring diagram to easily identify parts or circuits.

## 1. POWER SUPPLY ROUTING

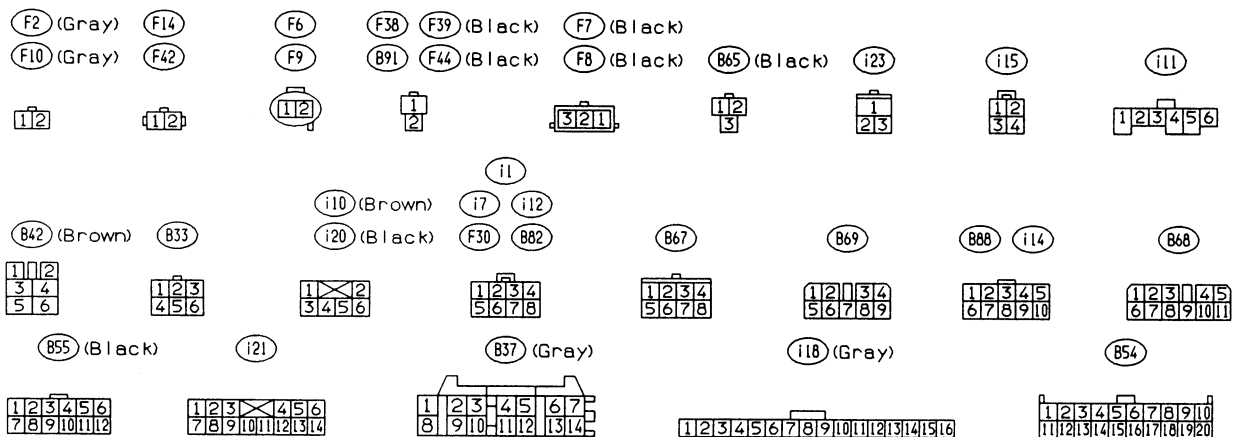
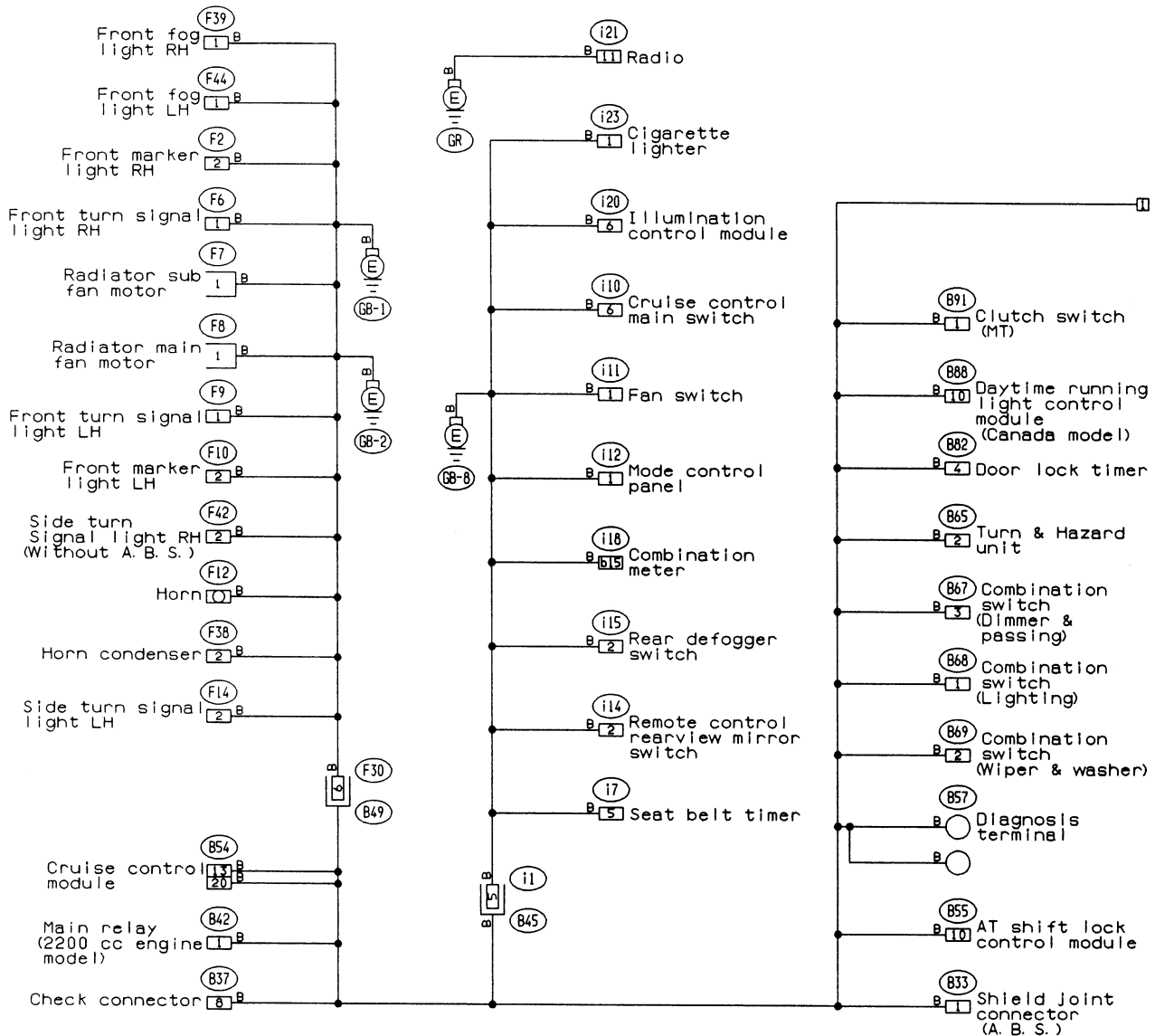


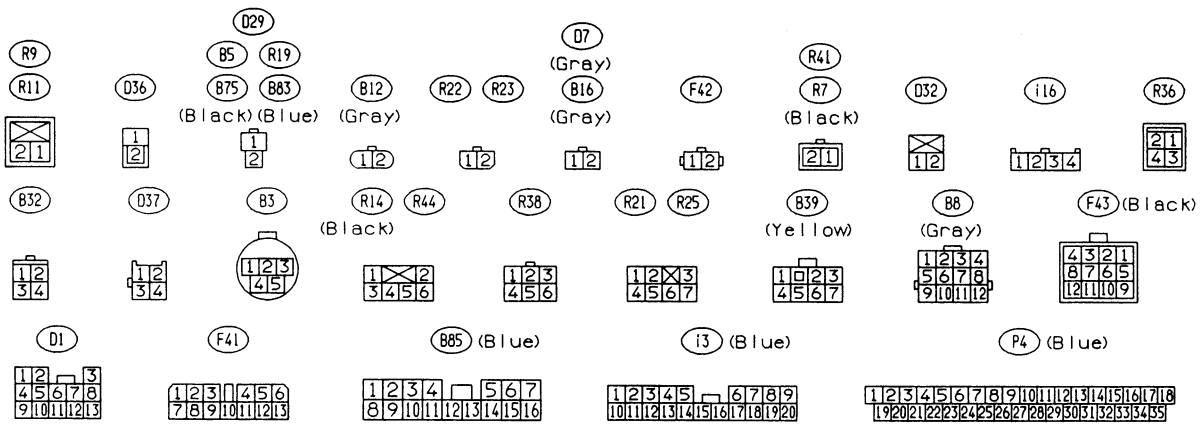
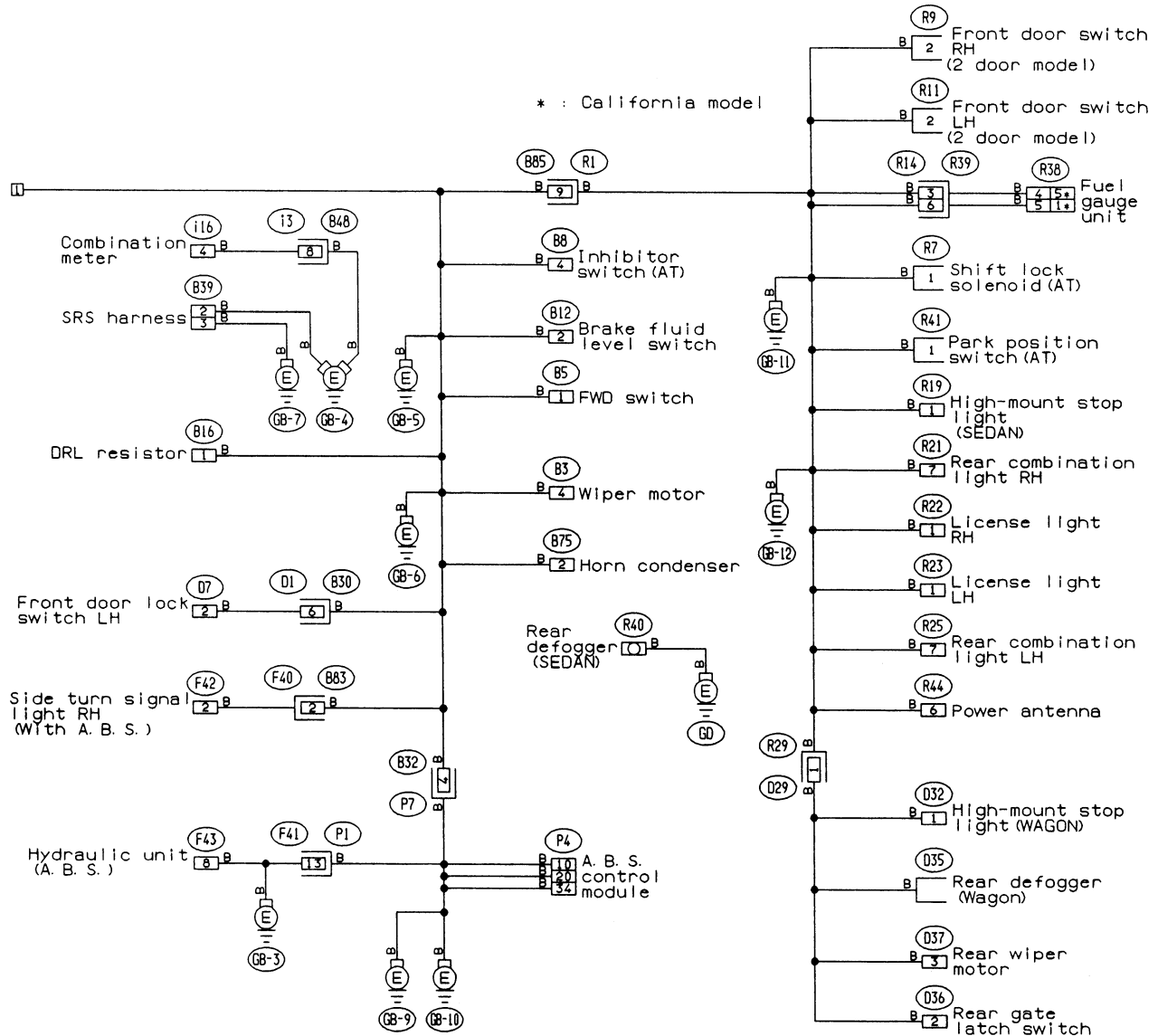


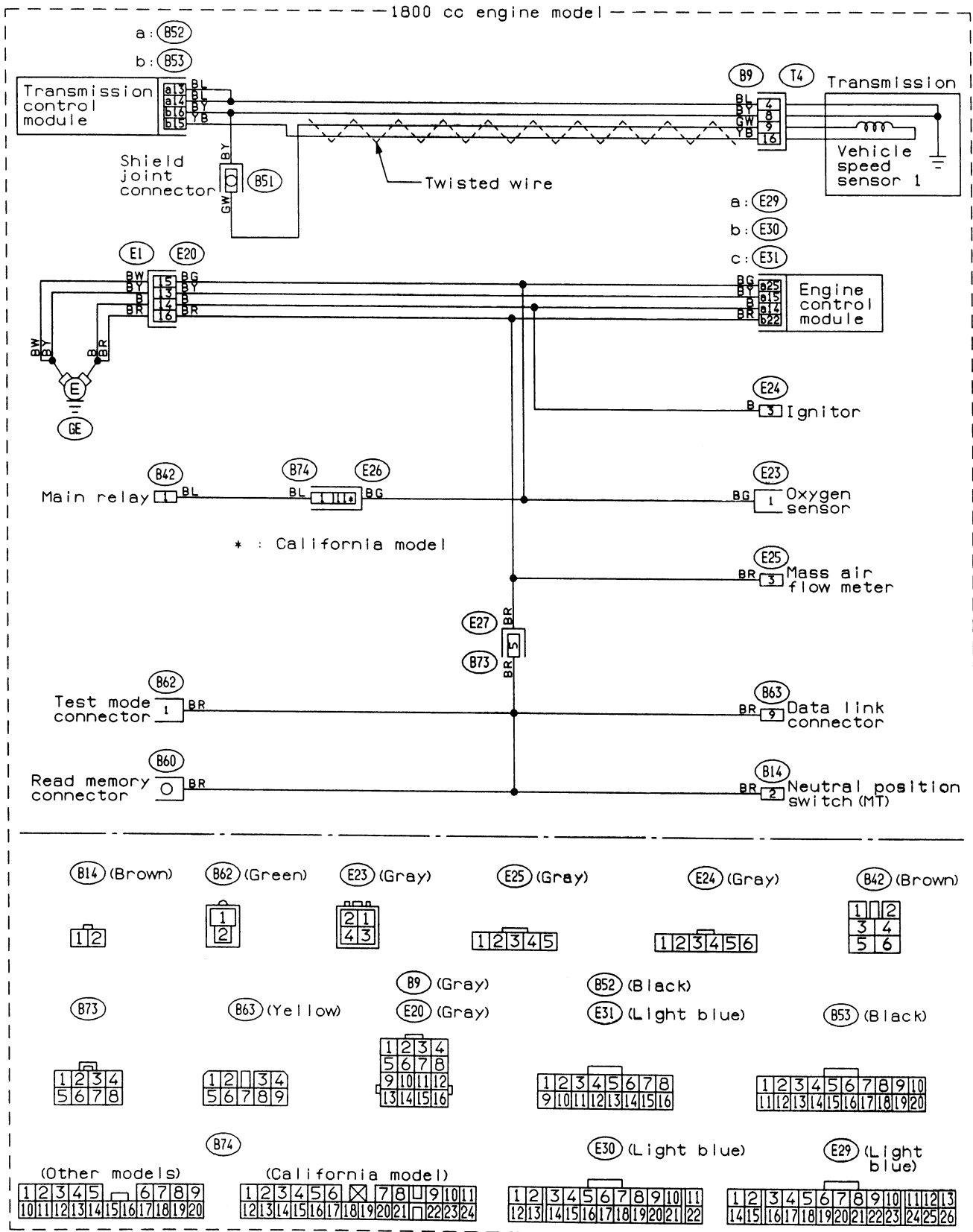
No.	LOAD: SYSTEM No.
MB-1	P/W CIRCUIT BREAKER: 21, 31
MB-2	MAIN RELAY: 13 FUEL PUMP RELAY: 13
MB-3	A/C FUSE: 3, 22
MB-4	HEADLIGHT LH: 17
MB-5	DIODE (LIGHTING): 17 LIGHTING SWITCH: 17 DRL CONTROL MODULE: 17
MB-6	HEADLIGHT RH: 17 COMBINATION METER: 17
MB-7	RADIO: 7 SPOT LIGHT: 27 COMBINATION METER: 27 FUSE BOX ILLUMINATION: 27 ROOM LIGHT: 27 LUGGAGE ROOM LIGHT: 27 TRUNK LOOM LIGHT: 27
MB-8	A/C FUSE: 22
SBF-6	HYDRAULIC UNIT: 4
ALT-1	COMBINATION METER: 9, 20 DRL CONTROL MODULE: 17
ST	AT CONTROL MODULE: 5 INHIBITOR SWITCH: 13, 17, 29 ENGINE CONTROL MODULE: 13 STARTER INTERLOCK RELAY: 17, 29
FB-1	FRONT WASHER MOTOR: 14
FB-2	DIODE (A/C): 22
FB-3	MAIN FAN MOTOR: 22
FB-4	AT CONTROL MODULE: 5 FUEL PUMP RELAY: 13 ENGINE CONTROL MODULE: 13 IGNITION COIL: 13
FB-5	HYDRAULIC UNIT: 4 MAIN FAN MOTOR: 22
FB-6	FRONT CLEARANCE LIGHT LH. RH: 18
FB-7	DOOR LOCK TIMER: 12
FB-8	AT SHIFT LOCK CONTROL MODULE: 6 KEY WARNING SWITCH: 6, 26
FB-9	HAZARD SWITCH: 32
FB-10	RADIO: 7
FB-11	CIGARETTE LIGHTER: 16
FB-12	REMOTE CONTROLLED REARVIEW MIRROR SWITCH: 25
FB-13	AT SHIFT LOCK CONTROL MODULE: 6 FRONT WIPER MOTOR: 14 FRONT WIPER SWITCH: 14 REAR WASHER MOTOR: 24 REAR WIPER RELAY: 24 REAR WIPER MOTOR: 24

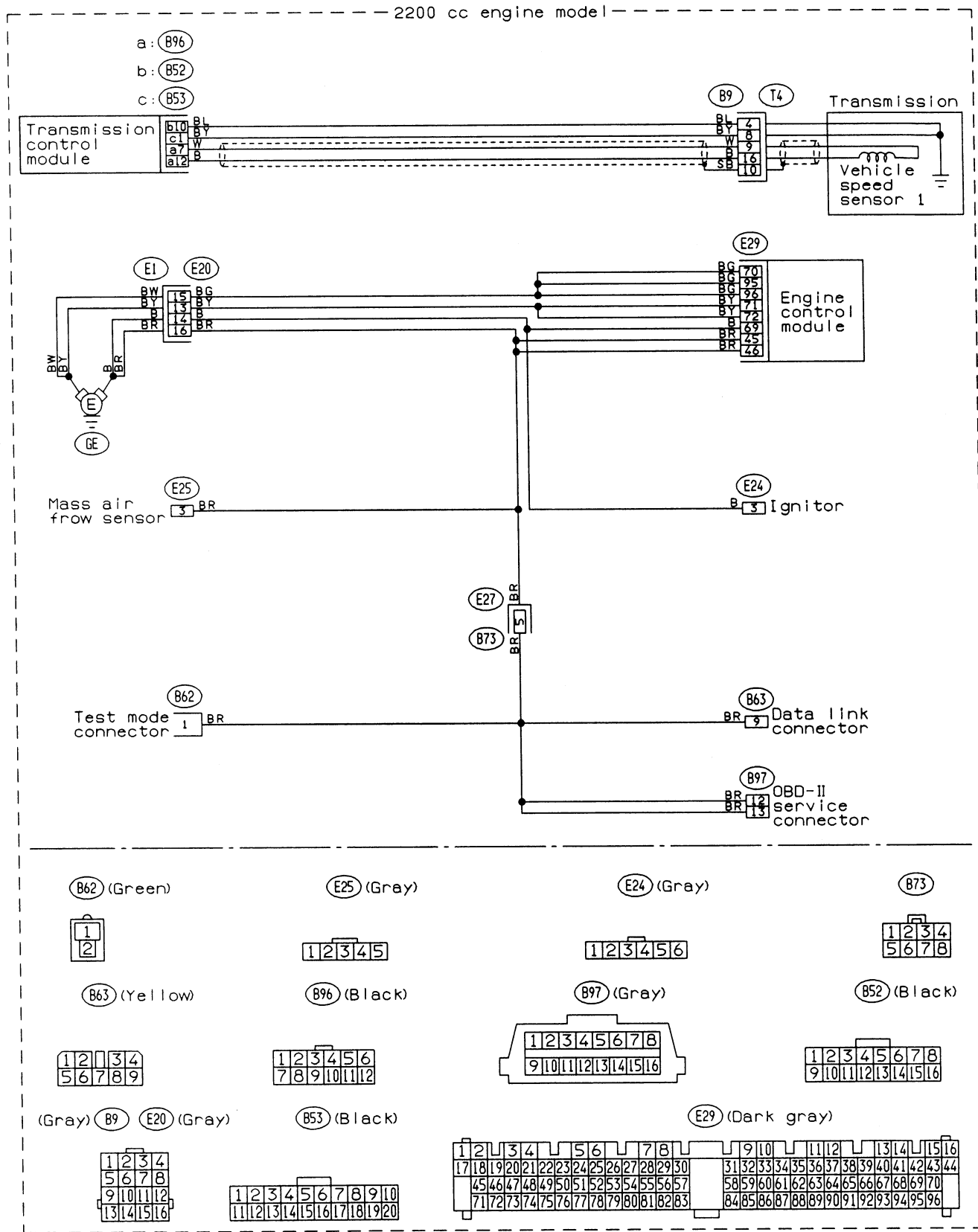
No.	LOAD: SYSTEM No.
FB-14	MAIN FAN RELAY 2: 22
FB-15	AT CONTROL MODULE: 5 ENGINE CONTROL MODULE: 13
FB-16	REAR DEFOGGER: 23
FB-17	COMBINATION METER: 23 REAR DEFOGGER SWITCH: 23
FB-18	BACK-UP LIGHT SWITCH: 8 INHIBITOR SWITCH: 8
FB-19	AT SHIFT LOCK CONTROL MODULE: 6
FB-20	HAZARD SWITCH: 32
FB-21	MODE CONTROL PANEL: 3 COMBINATION METER: 4, 5, 9, 13, 15, 19, 20, 26 SEAT BELT TIMER: 26
FB-22	COMBINATION METER: 28
FB-23	FRESH/RECIRC ACTUATOR: 3 EVAPORATION THERMOSWITCH: 3 BLOWER MOTOR RELAY: 3 CHECK CONNECTOR: 4, 5, 11, 13, 28 DRL CONTROL MODULE: 17 DRL RELAY: 17 DRL HI-BEAM RELAY: 17 P/W AND SUNROOF RELAY: 21, 31
FB-24	AIRBAG CONTROL MODULE: 28
FB-25	AIRBAG CONTROL MODULE: 28
FB-26	LIGHTING SWITCH: 18
FB-27	PARKING LIGHT SWITCH: 18
FB-28	PARKING LIGHT SWITCH: 18
FB-29	COMBINATION METER: 5, 18 ILLUMINATION LIGHTS: 18
FB-30	ILLUMINATION CONTROL MODULE: 18 ILLUMINATION LIGHTS: 18
FB-31	STOP LIGHT SWITCH: 5, 6, 11, 30
FB-32	HORN RELAY: 11, 16
FB-33	BLOWER MOTOR RELAY: 3
FB-34	PARKING LIGHT SWITCH: 18
FB-35	REAR COMBINATION LIGHT LH. RH: 18 LICENSE PLATE LIGHT LH. RH: 18
FB-36	A.B.S. G SENSOR: 14 A.B.S. CONTROL MODULE: 4 CRUISE CONTROL MODULE: 11 CRUISE CONTROL MAIN SWITCH: 11

### 2. GROUND DISTRIBUTION



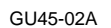


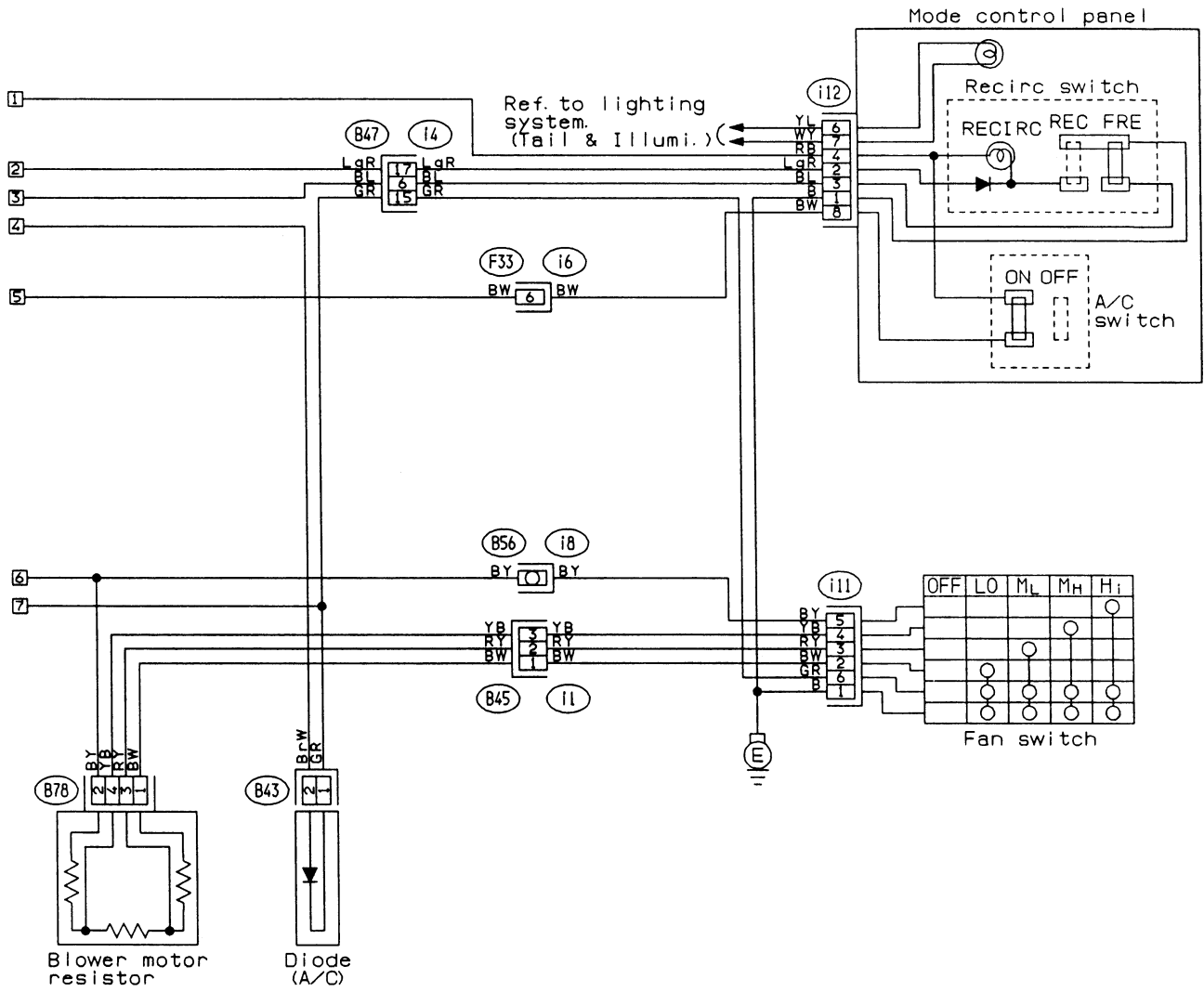






- **With A/C**





B43 (Black)



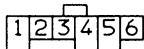
B78



F33 (Black)



i11



i1 i12

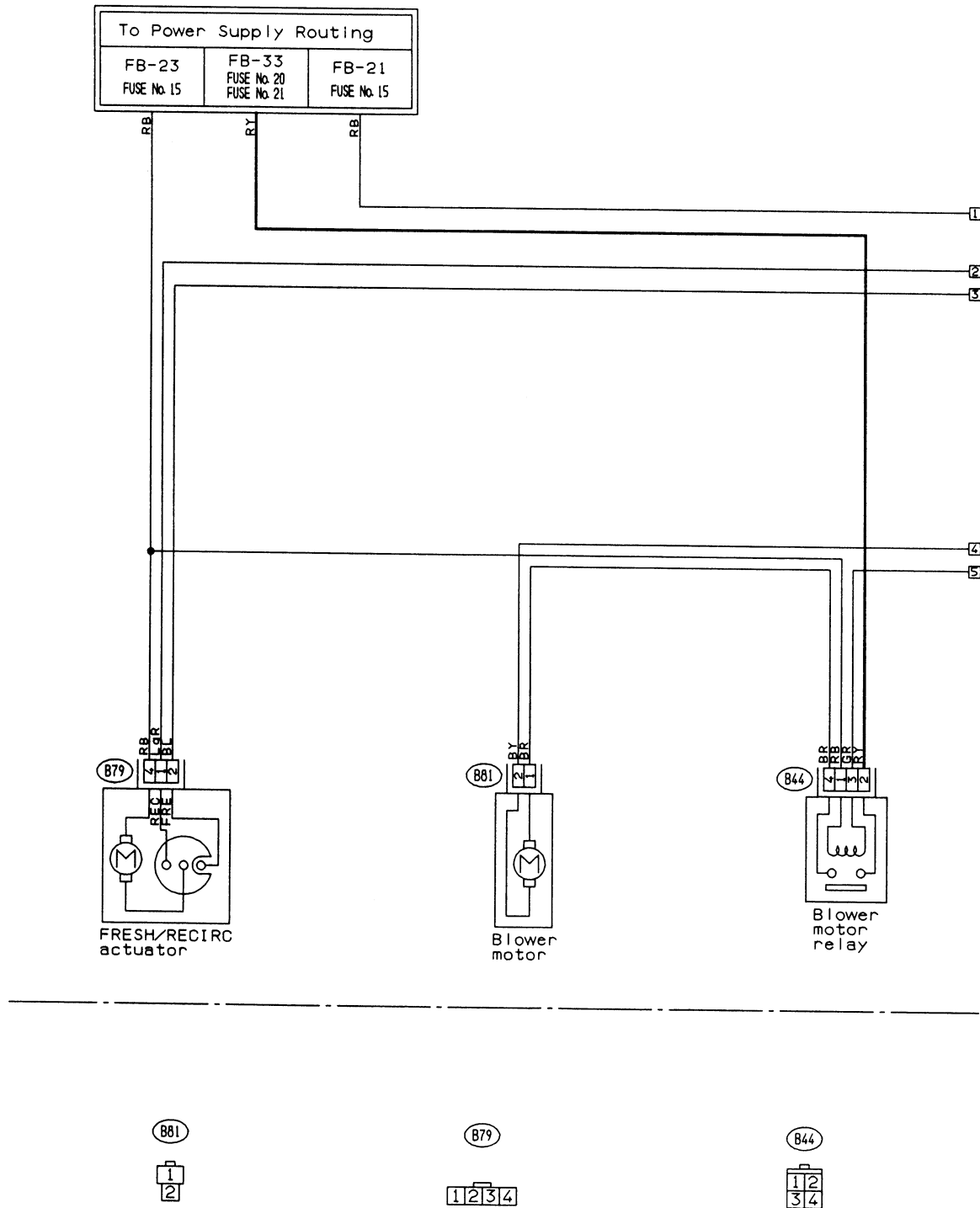


i4

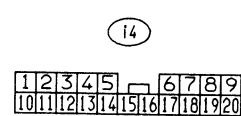
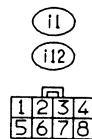
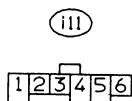
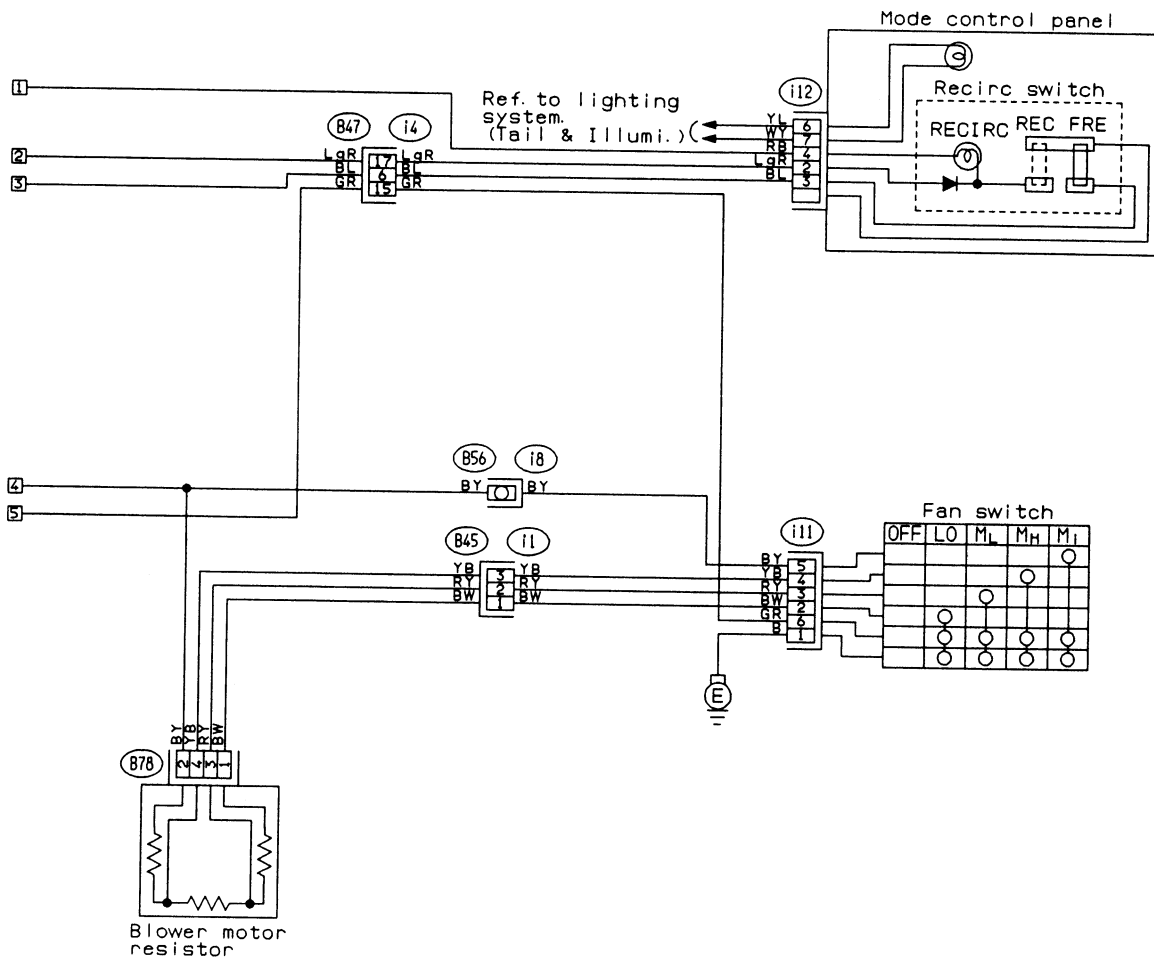


### 3. AIR CONDITIONING SYSTEM

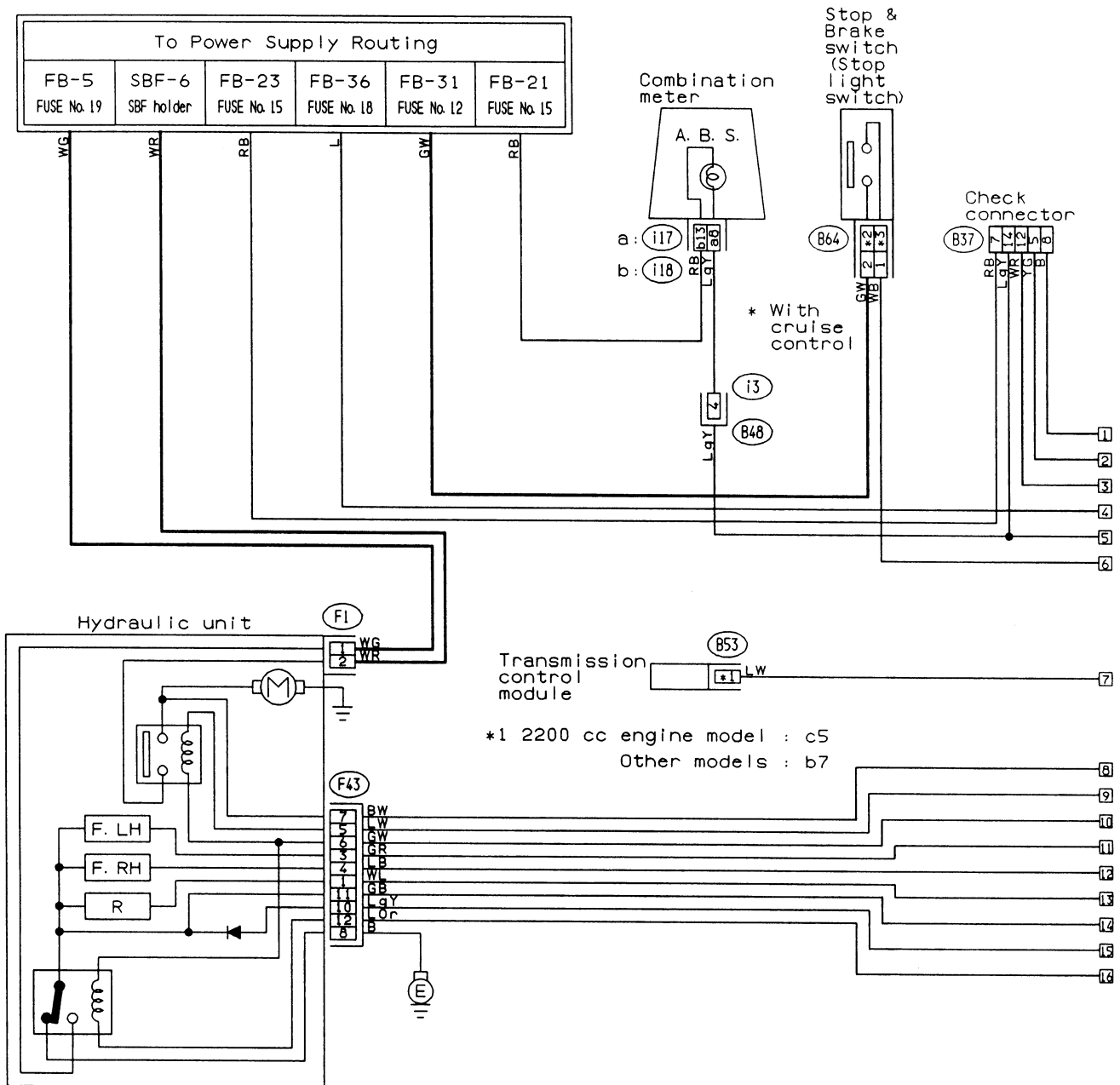
#### • Without A/C

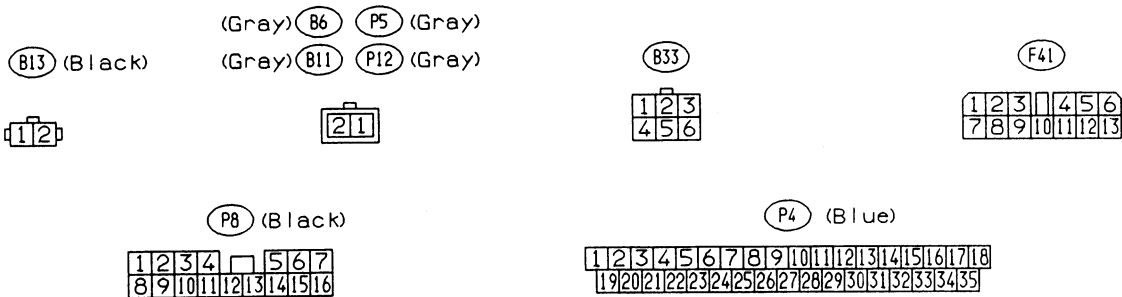
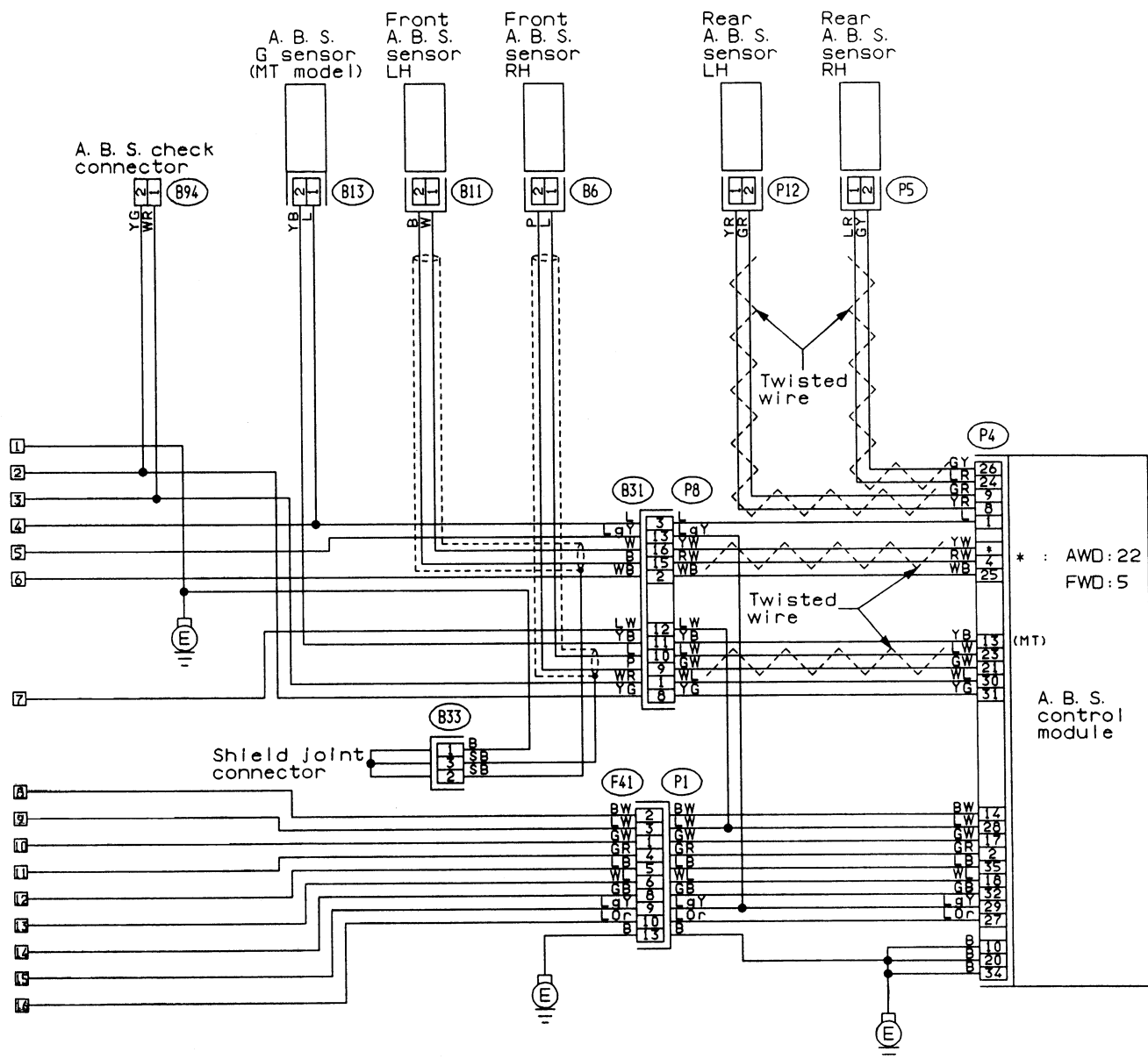


GU78-01A



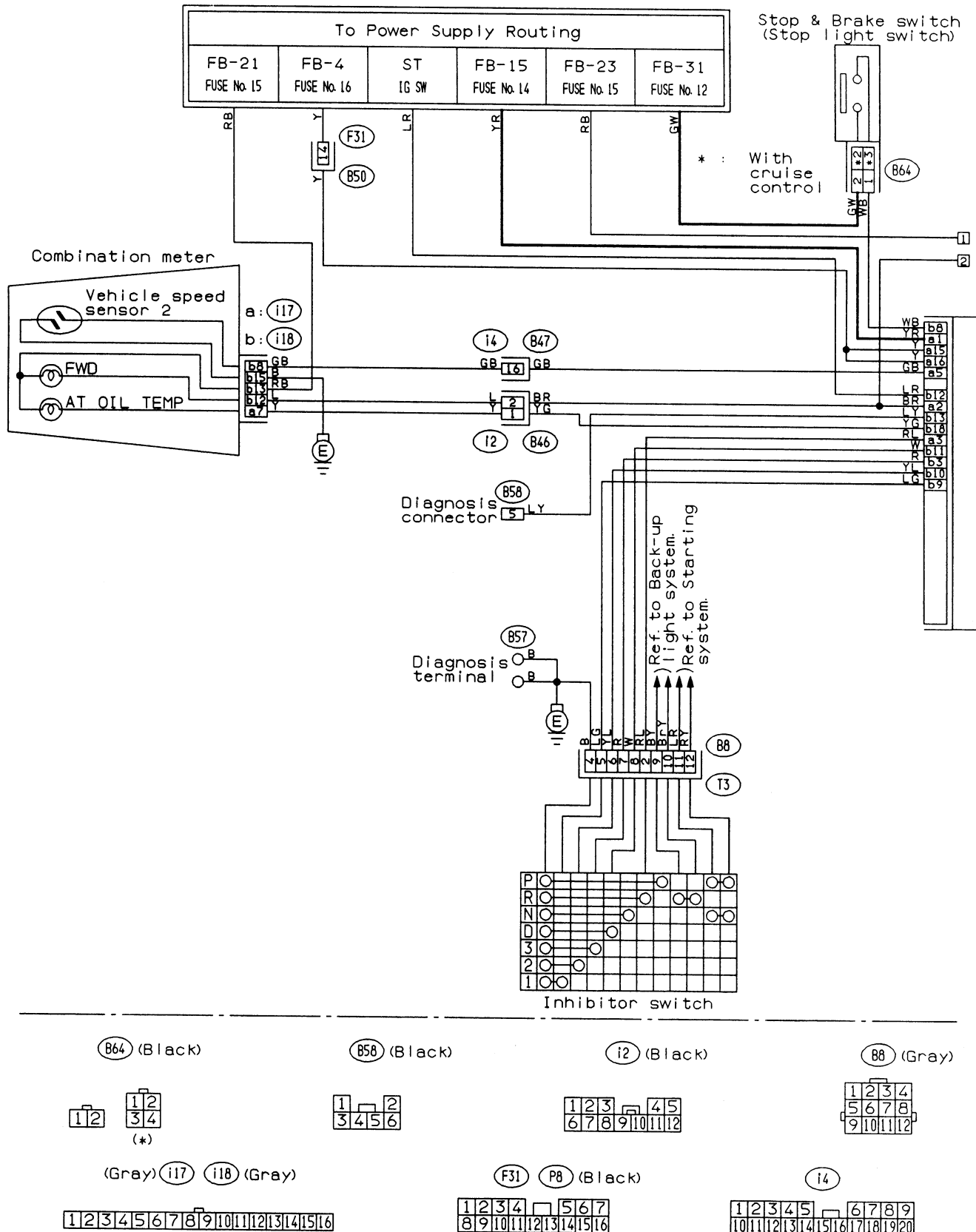
### 4. ANTI-LOCK BRAKE SYSTEM

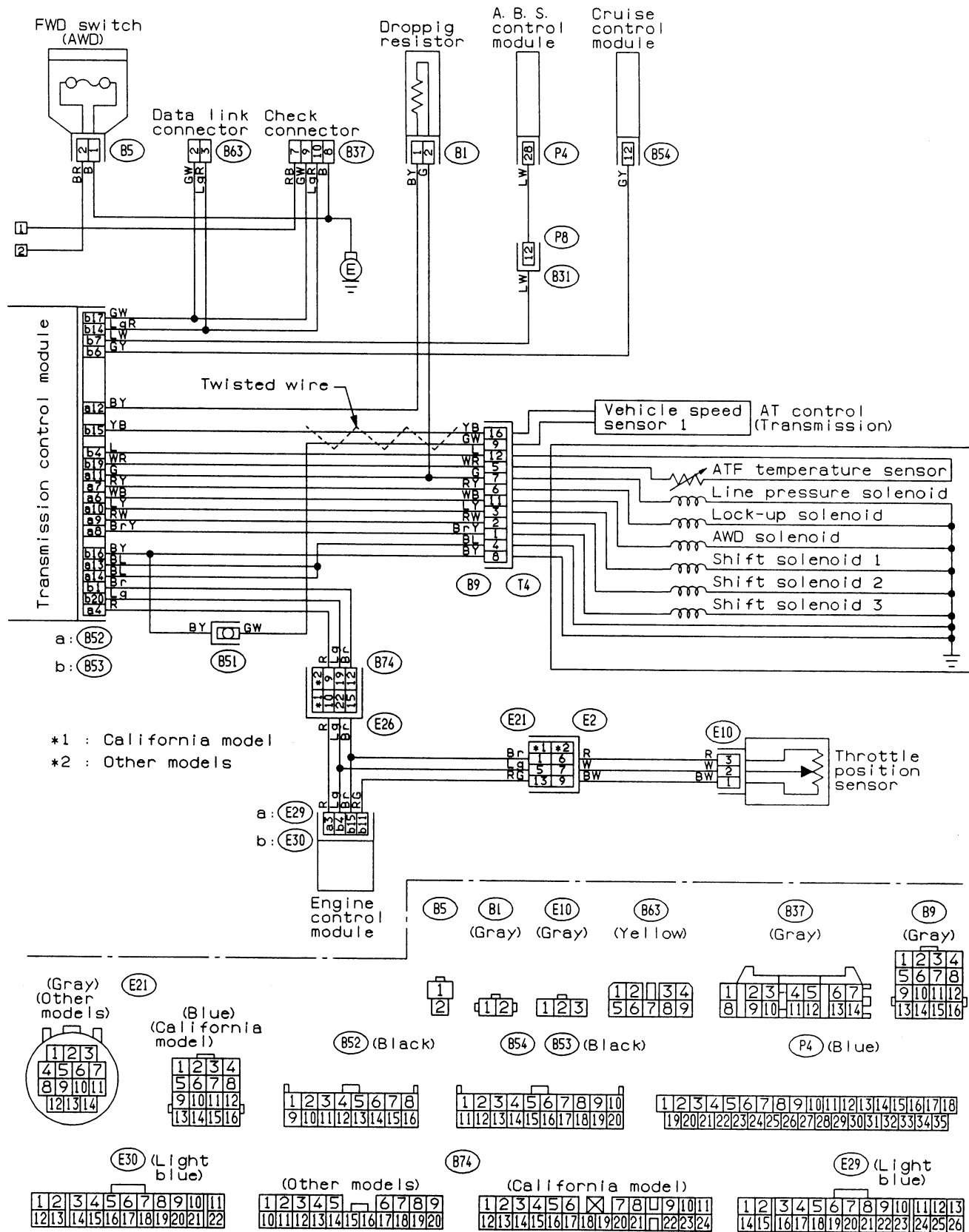




### 5. AT CONTROL SYSTEM

#### ● 1800 cc engine model

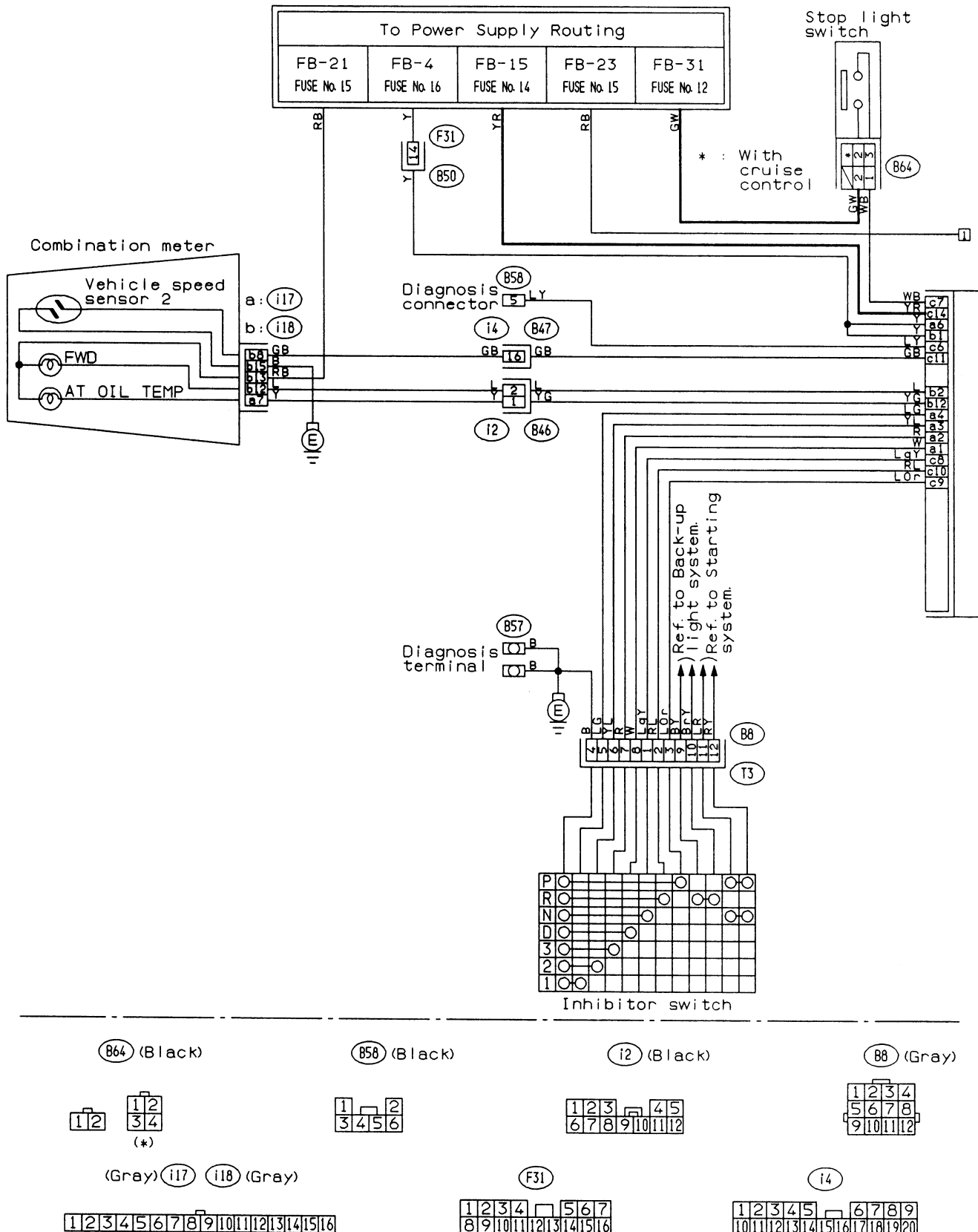


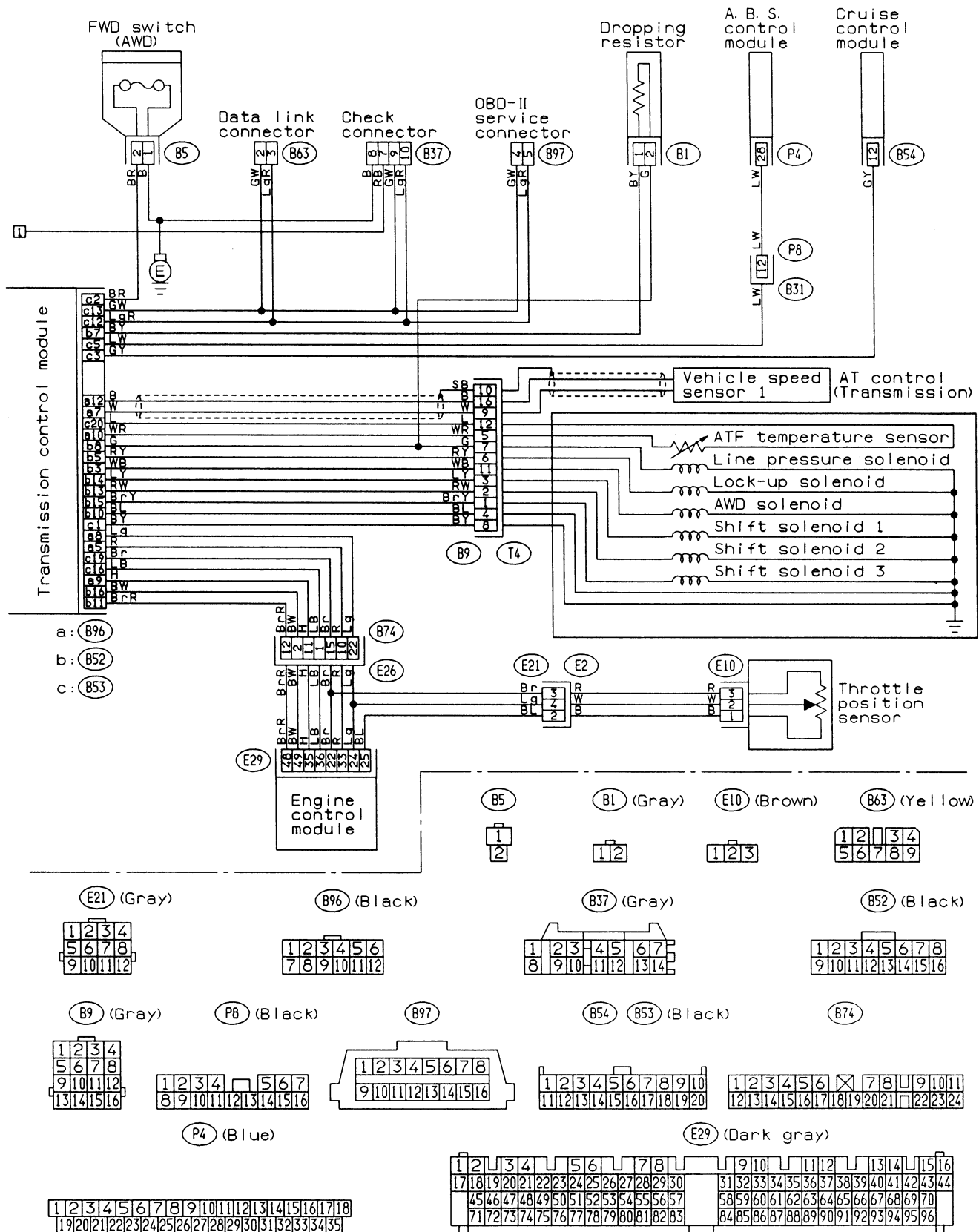




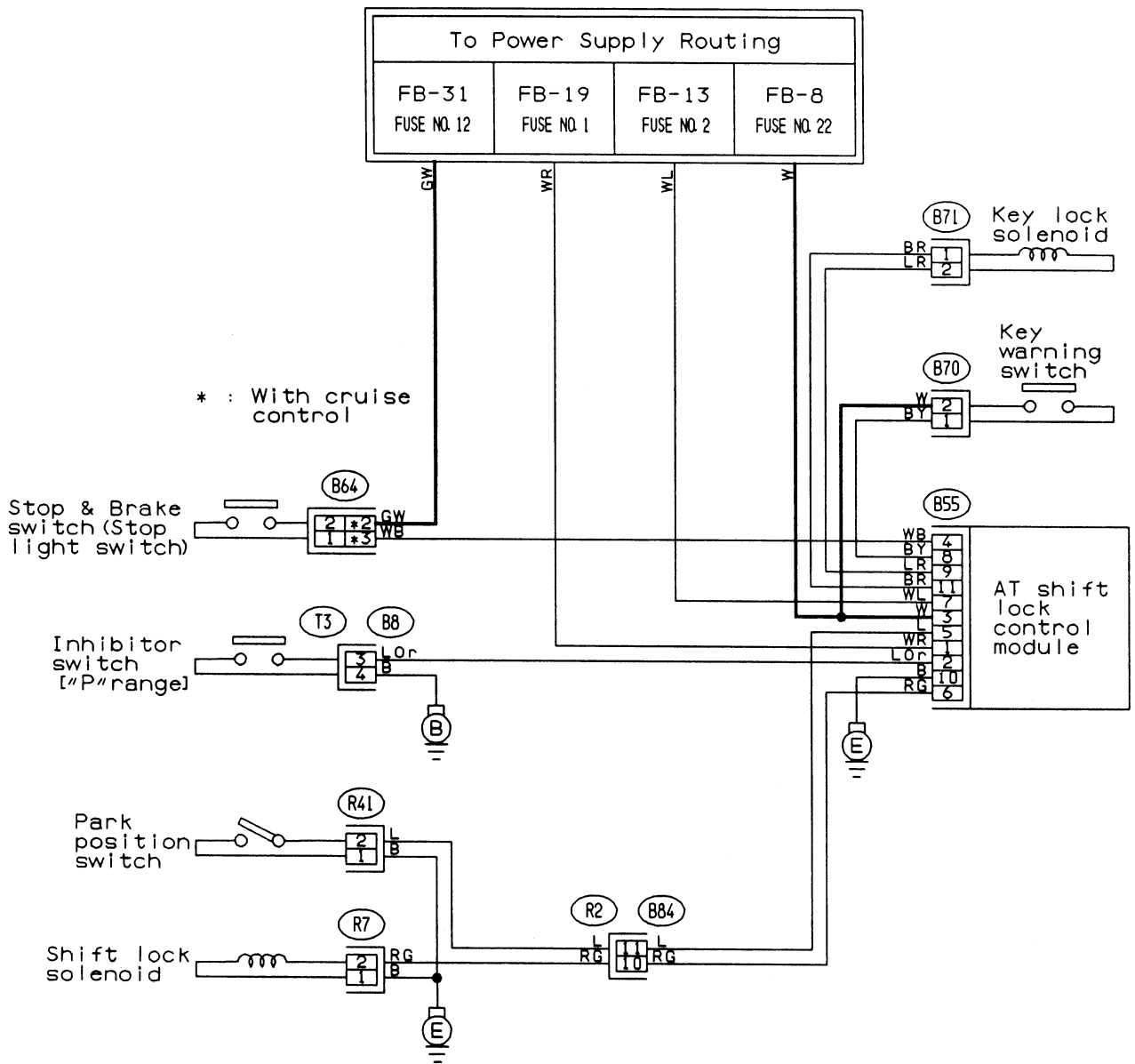
### 5. A/T CONTROL SYSTEM

#### ● 2200 cc engine model

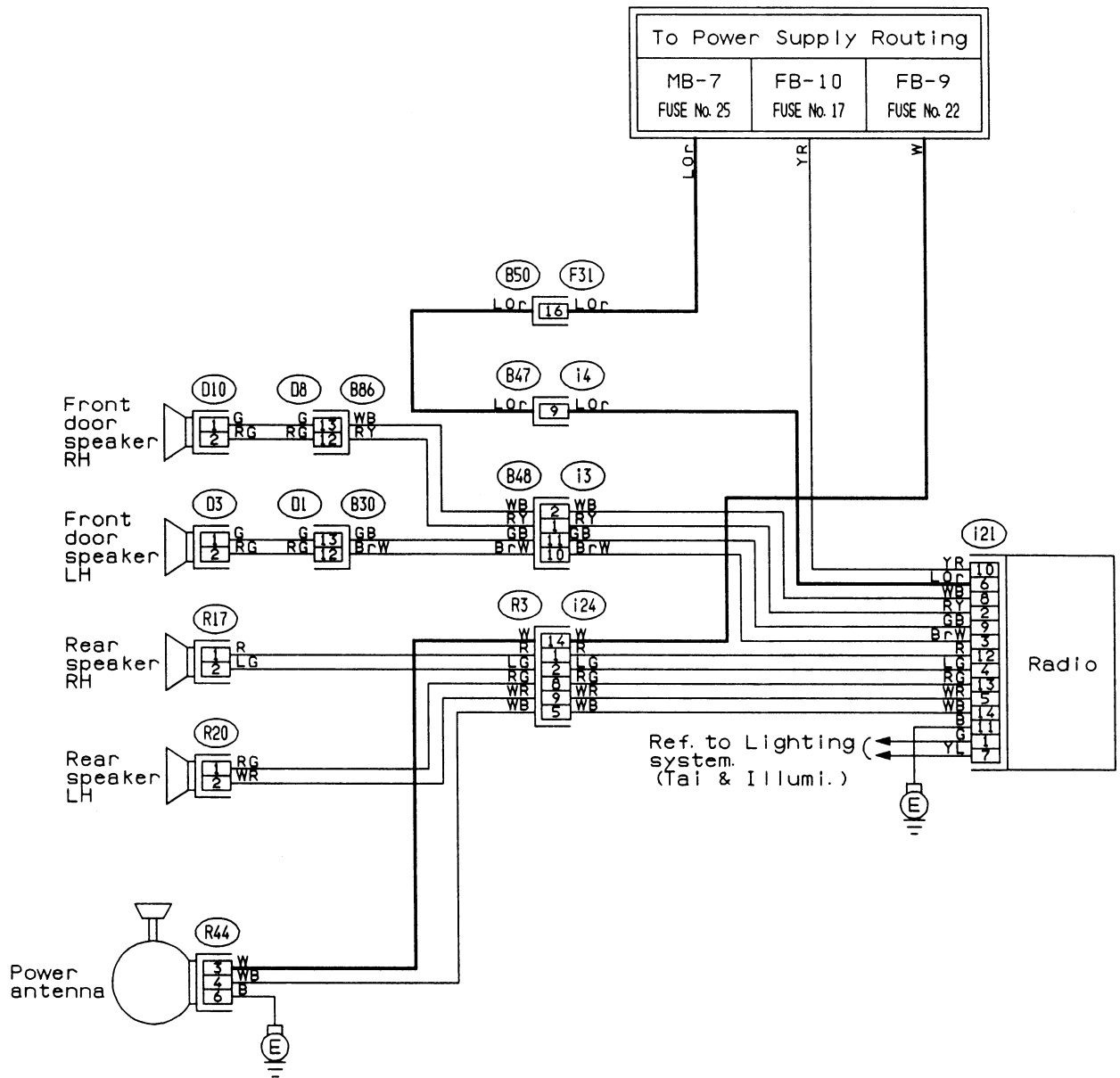




### 6. A/T SHIFT LOCK SYSTEM



7. AUDIO SYSTEM



D3 D10



R17 R20

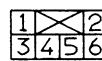


Wagon

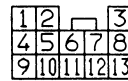


Sedan  
(Black)

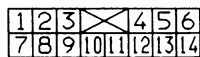
R44



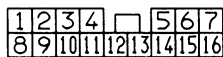
D1 D8



i21



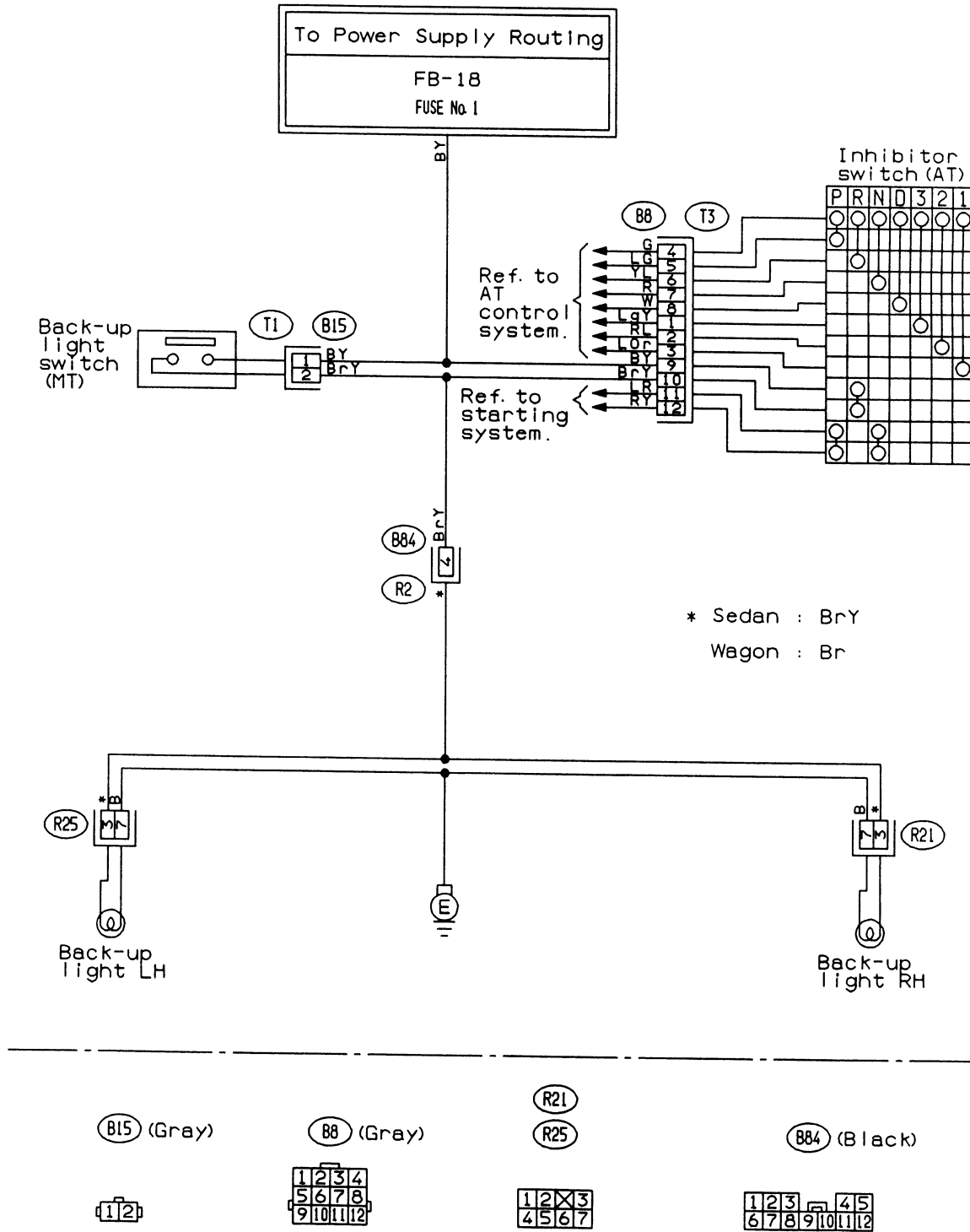
i24 F31



i4 i3 (Blue)

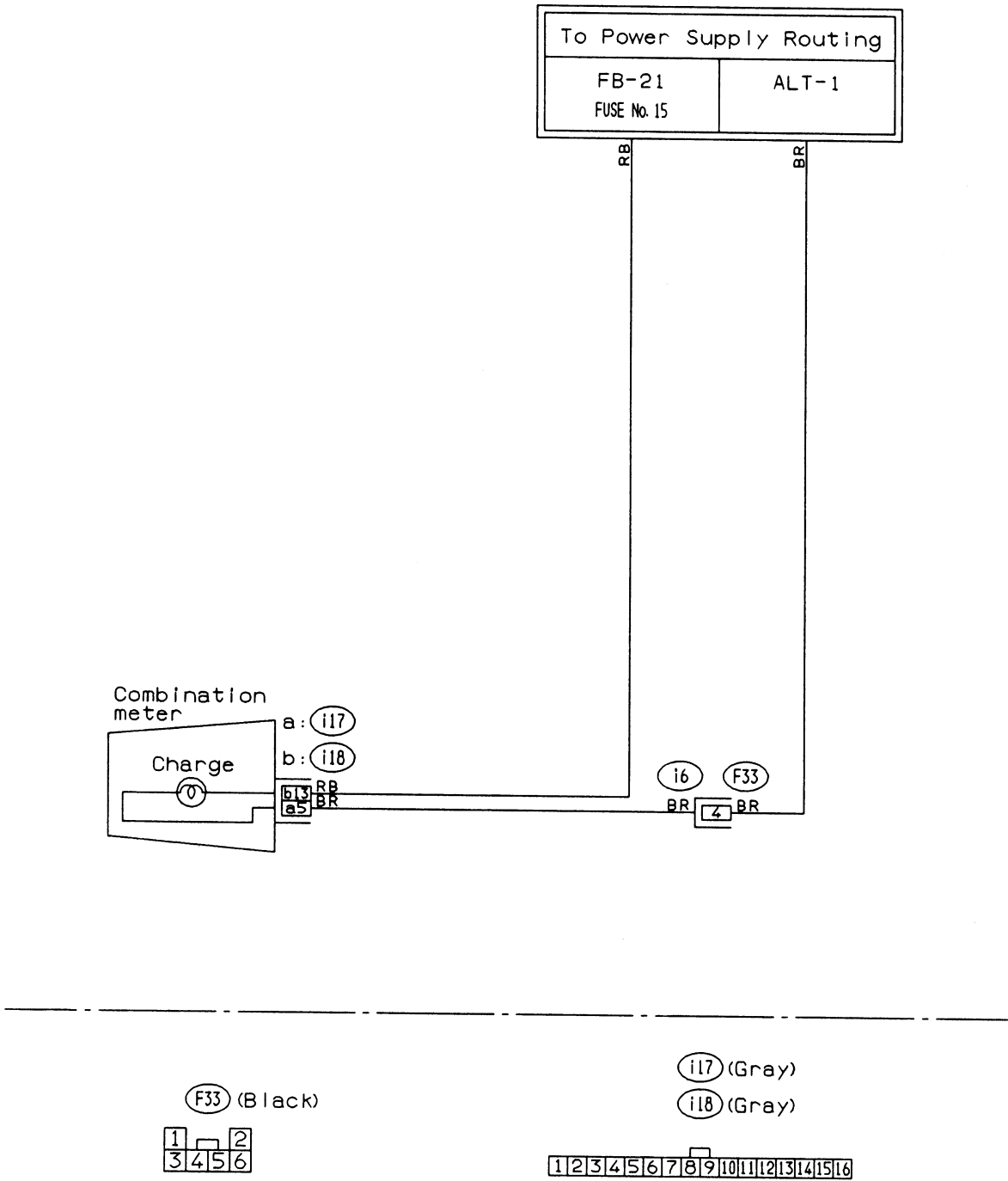


### 8. BACK-UP LIGHT SYSTEM

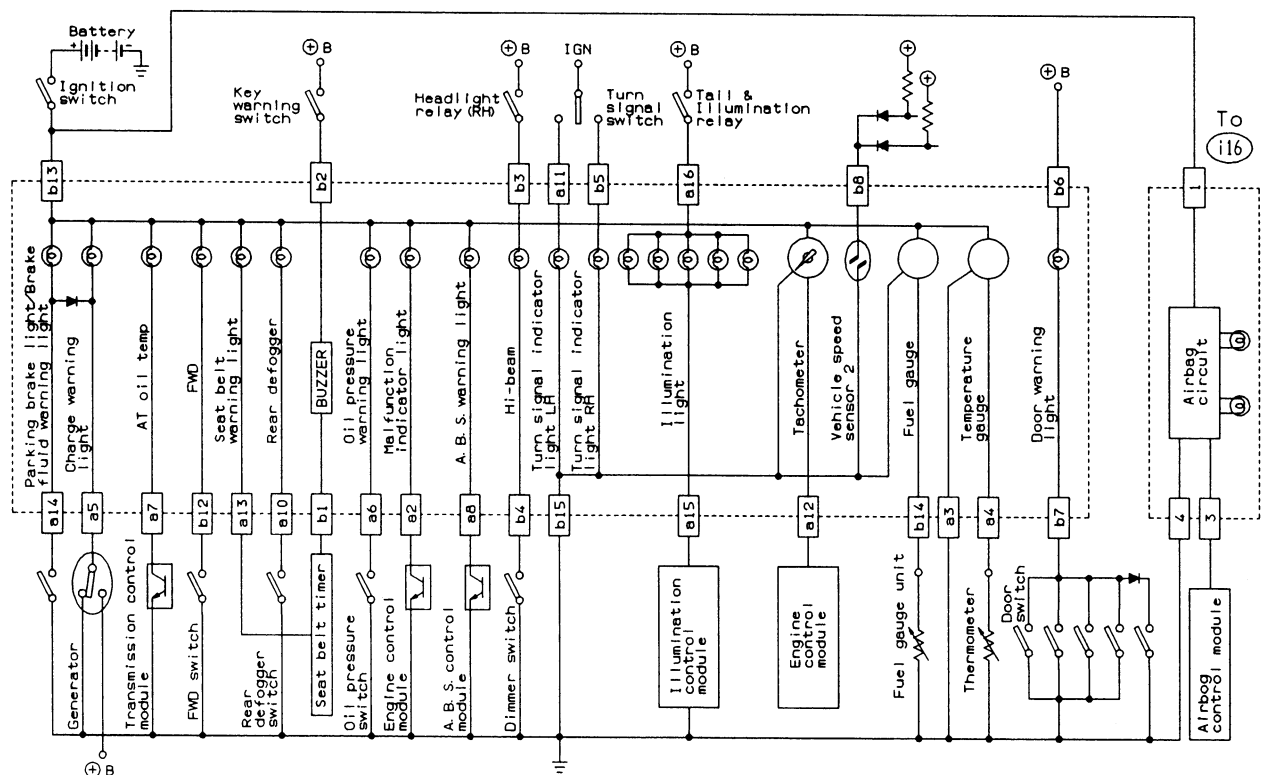
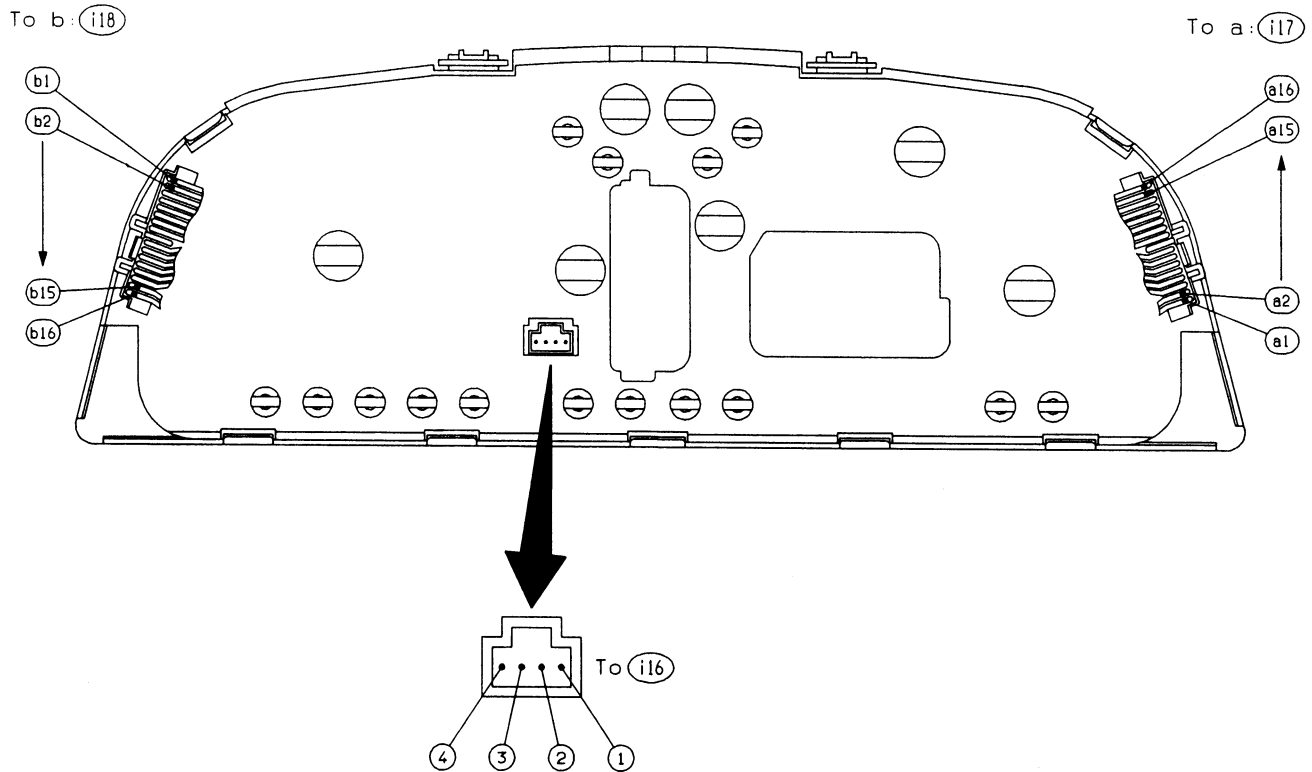


GU29-01

9. CHARGING SYSTEM



### 10. COMBINATION METER

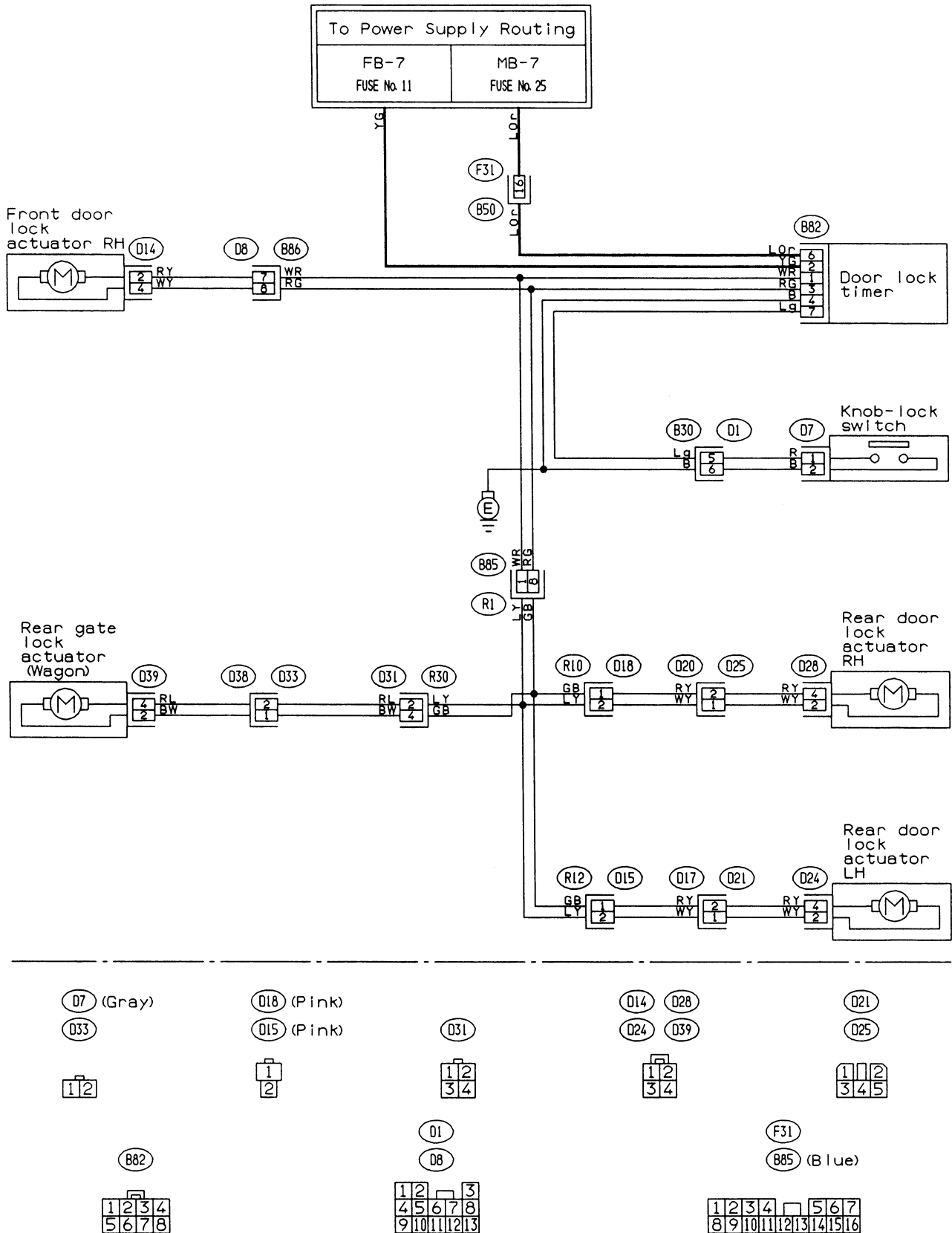


## 11. CRUISE CONTROL SYSTEM



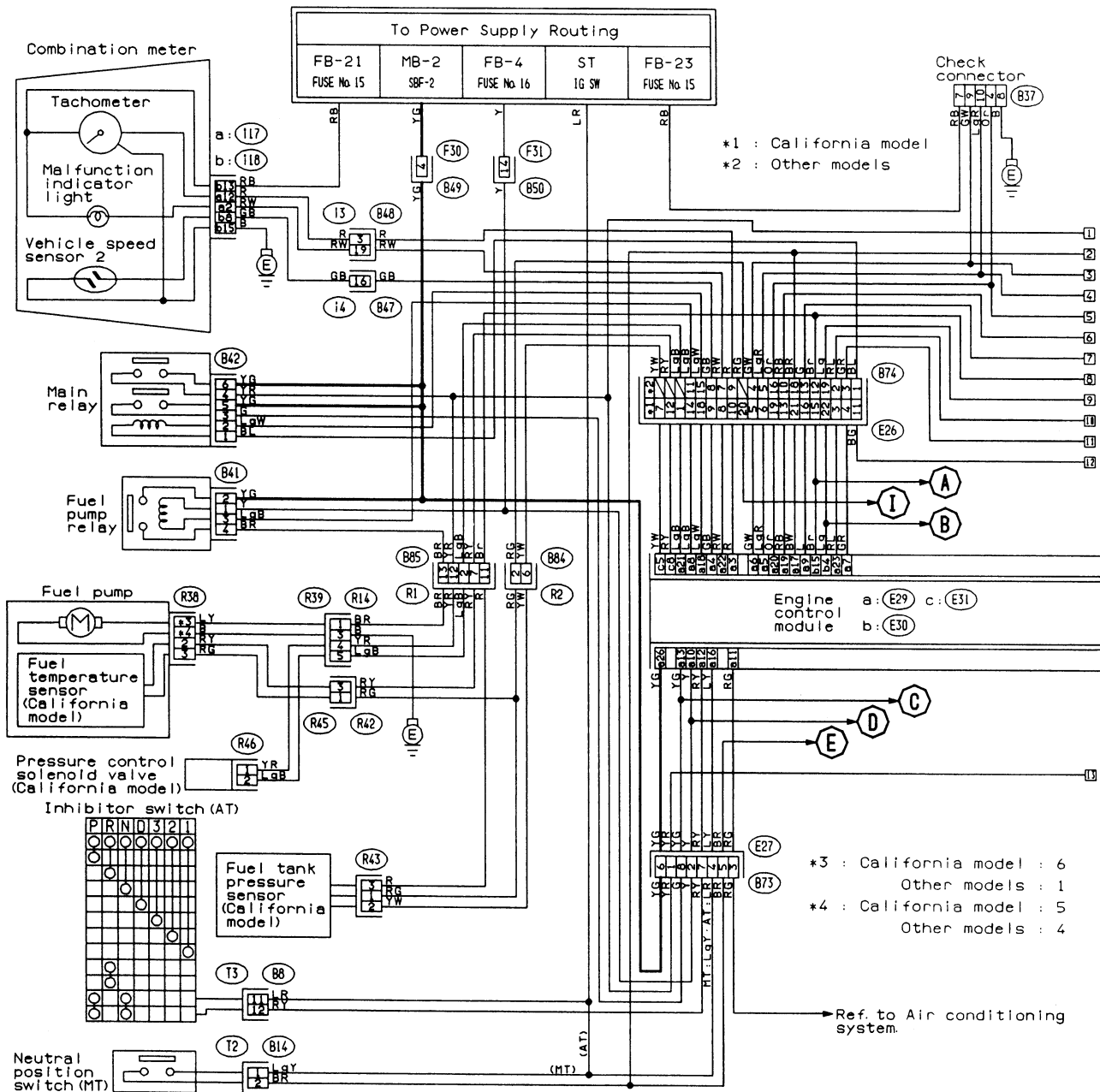


### 12. DOOR LOCK SYSTEM



## 13. ENGINE ELECTRICAL SYSTEM

## ● 1800 cc engine model



(Black) (R46) (B14) (Brown) (R43) (B41) (Green) (R45) (R14) (Black) (R36) (B42) (Brown)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

(F30) (B73) (B8) (Gray) (B84) (Black) (B37) (Gray) (Gray) (117) (118) (Gray)

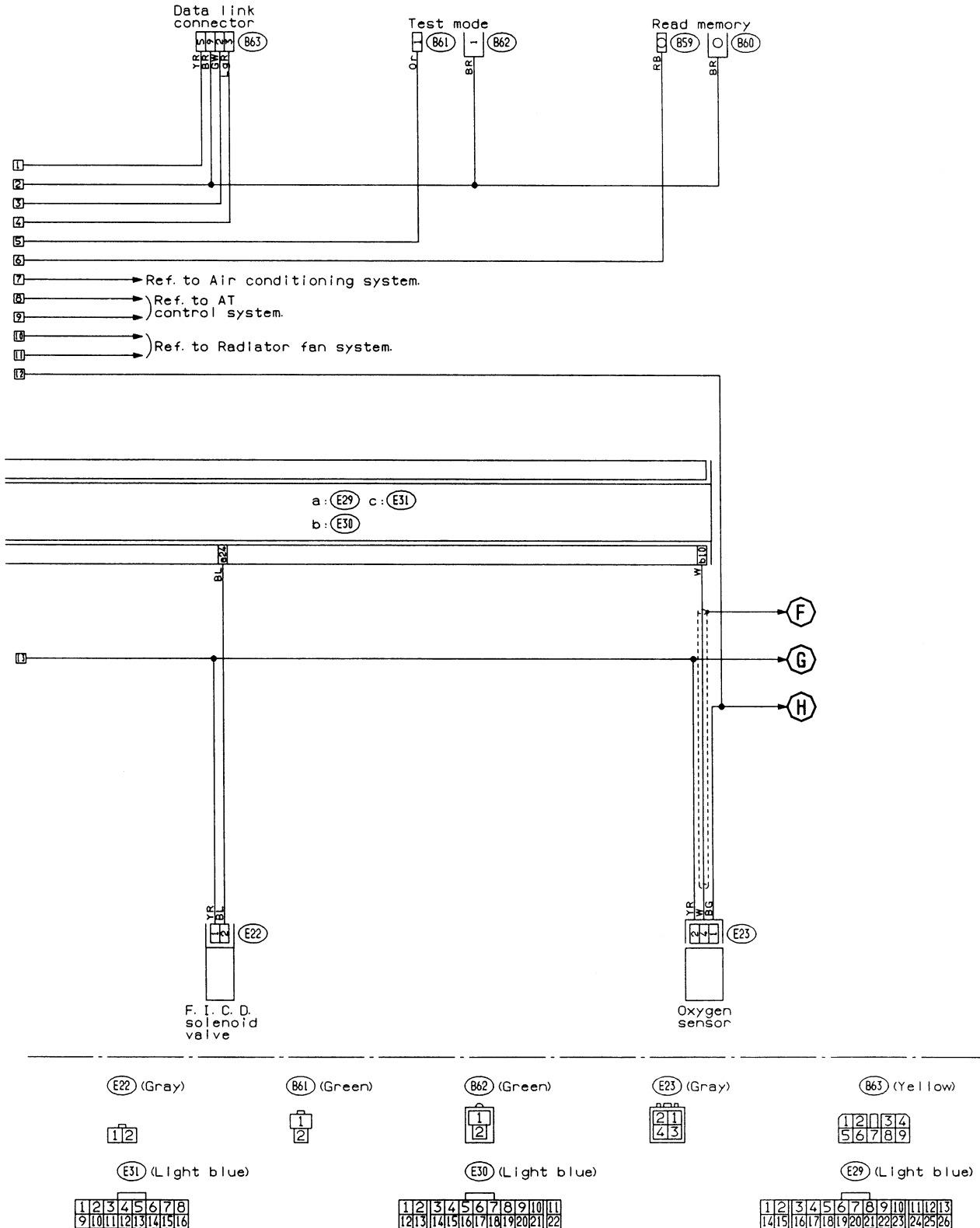
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

(B85) (Blue) (F31) (14) (13) (Blue)

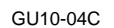
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

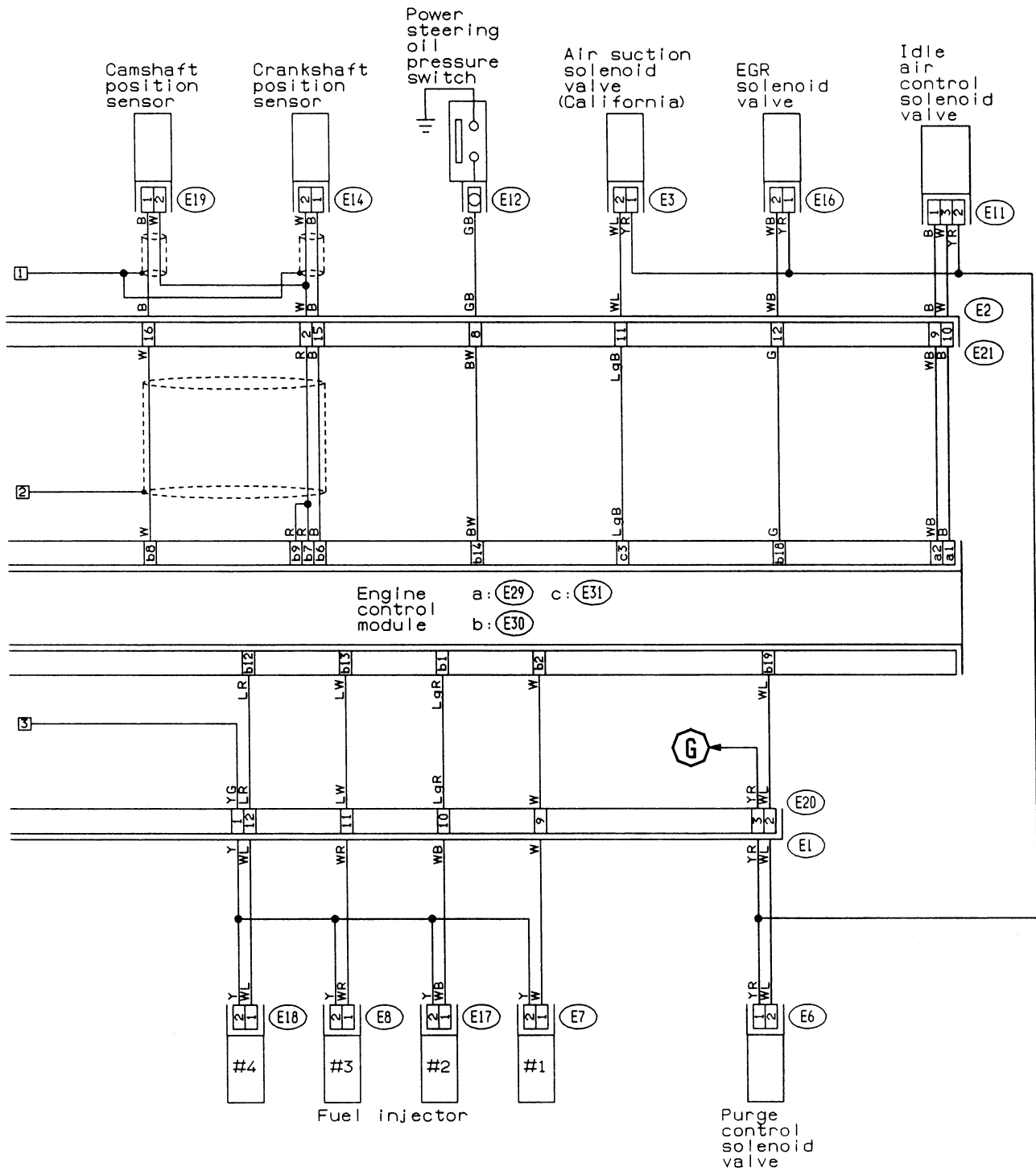
(Other models) (B74) (California model)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24



## 5. Wiring Diagram





(E19) (Gray) (Gray) (E7) (E17) (Gray)  
 (E14) (Gray) (Gray) (E8) (E18) (Gray)

(E16) (Brown)

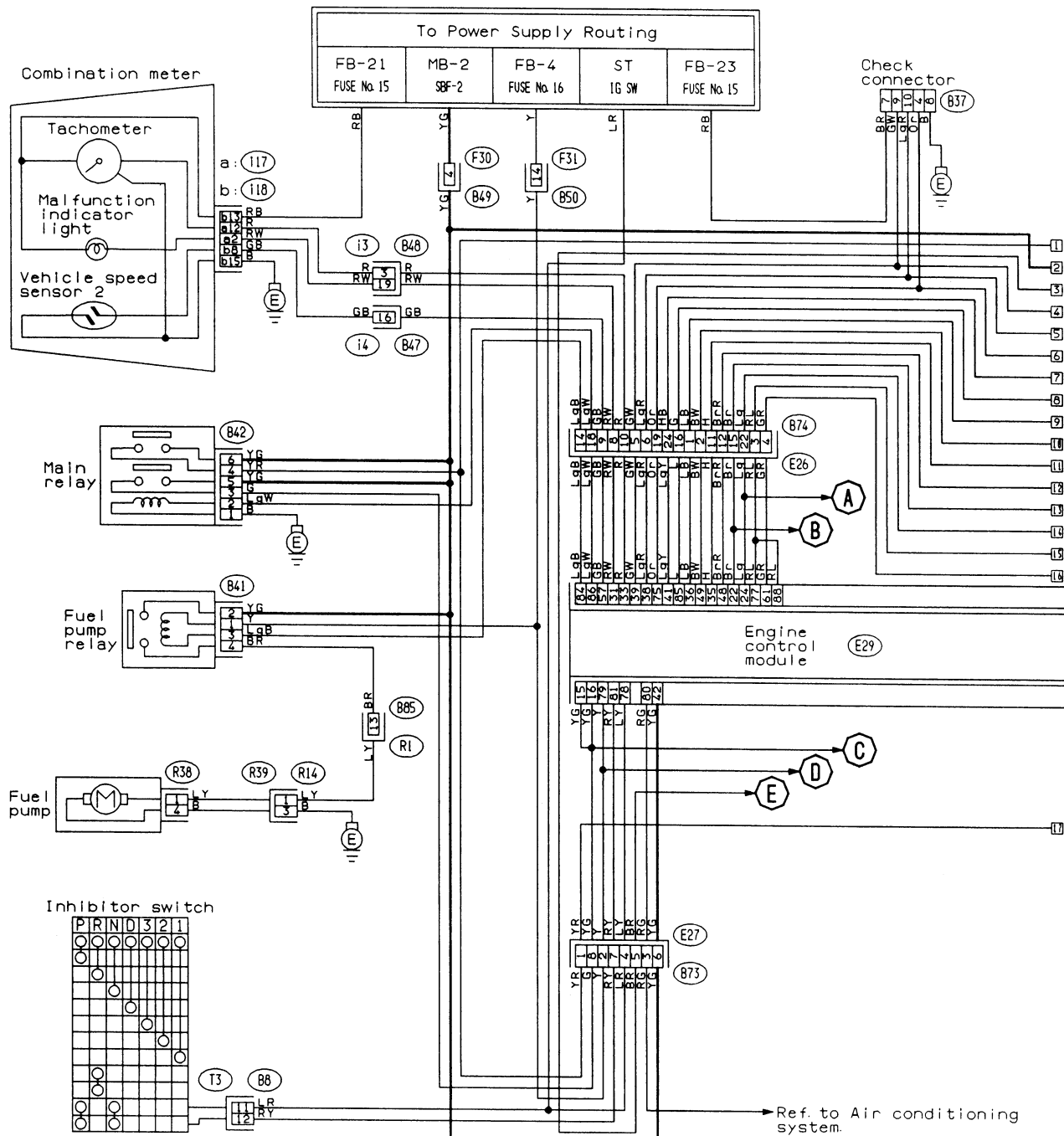
(E3) (Gray)  
 (E6) (Blue)

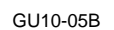
(E11) (Gray)

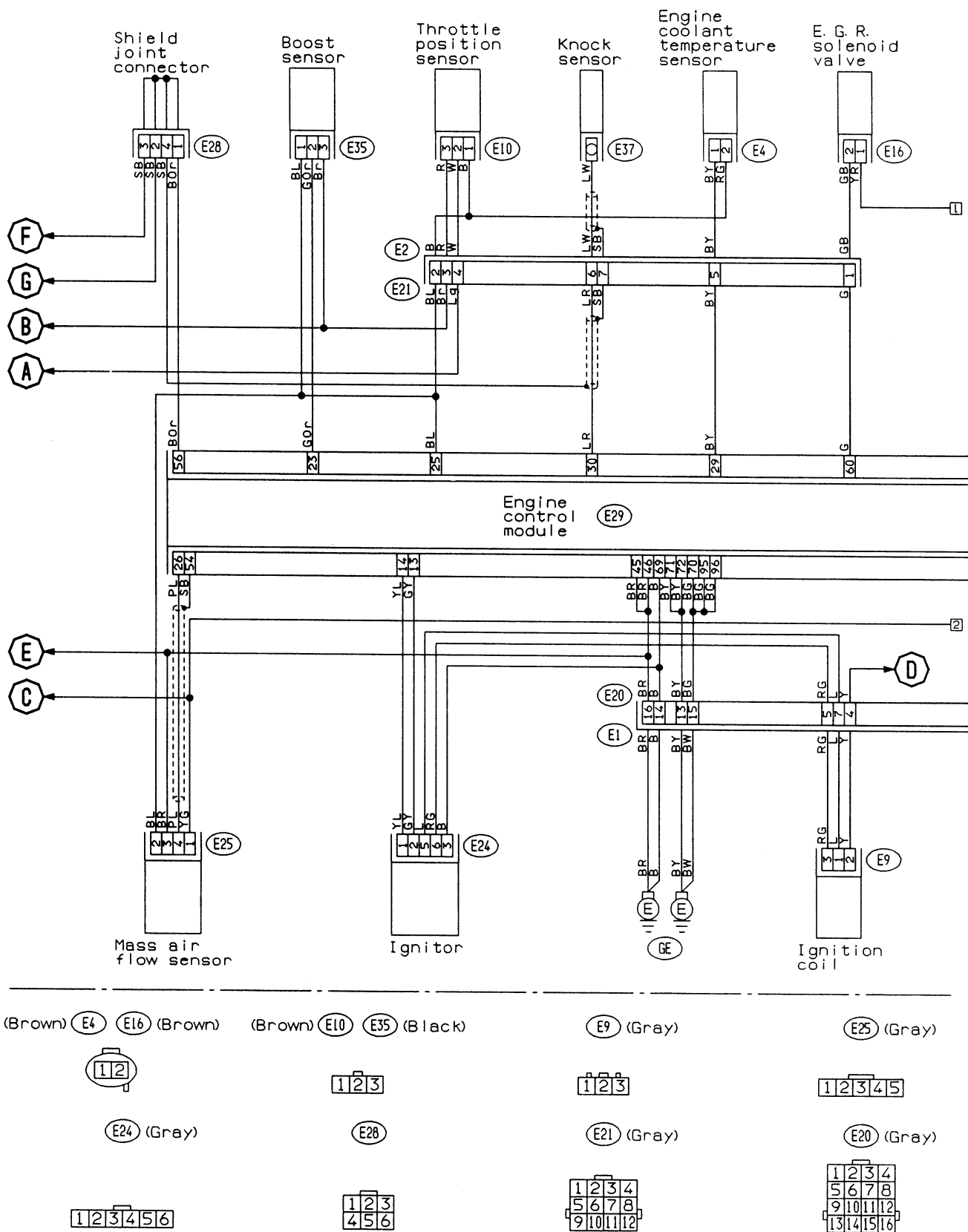


## 13. ENGINE ELECTRICAL SYSTEM

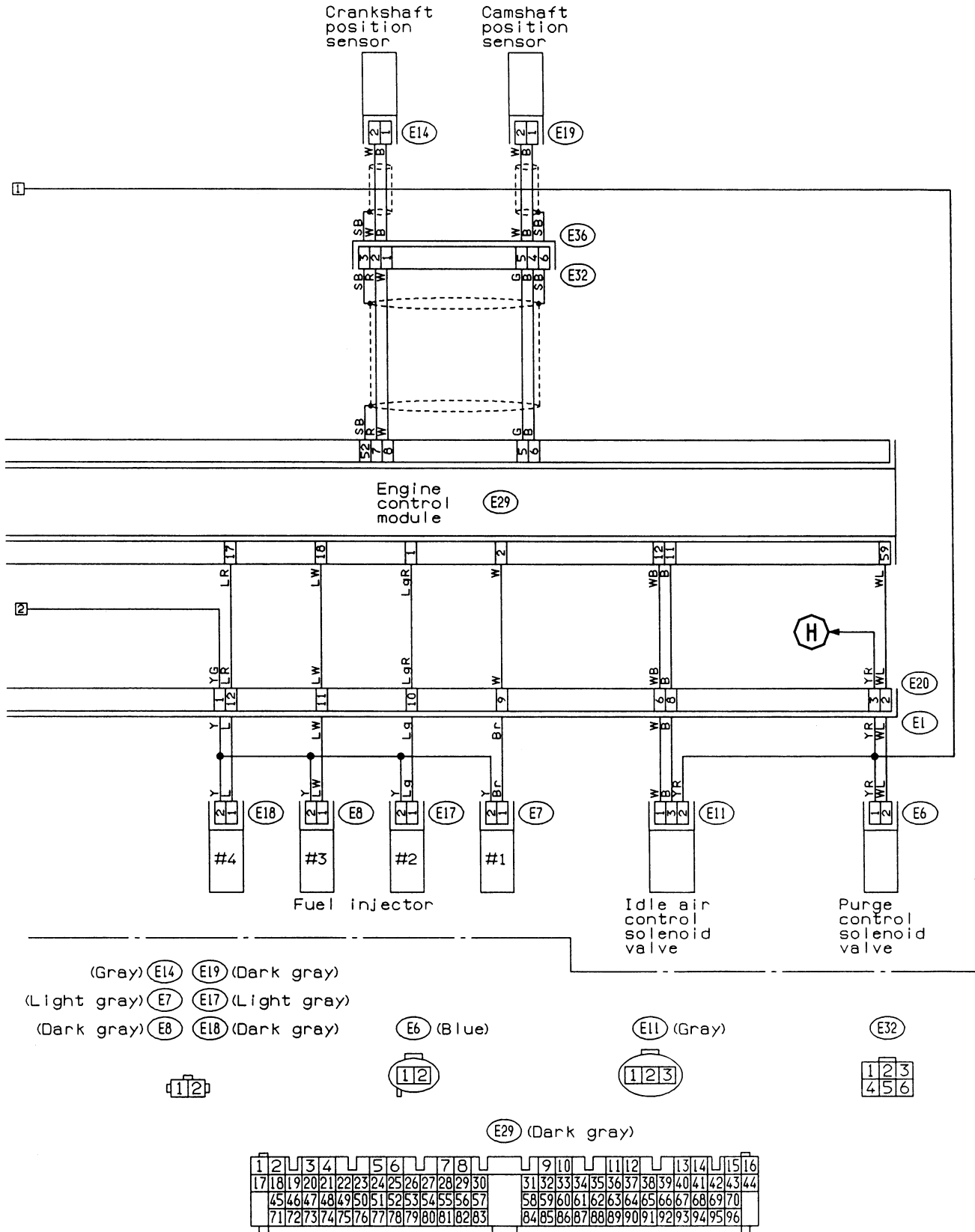
## ● 2200 cc engine model



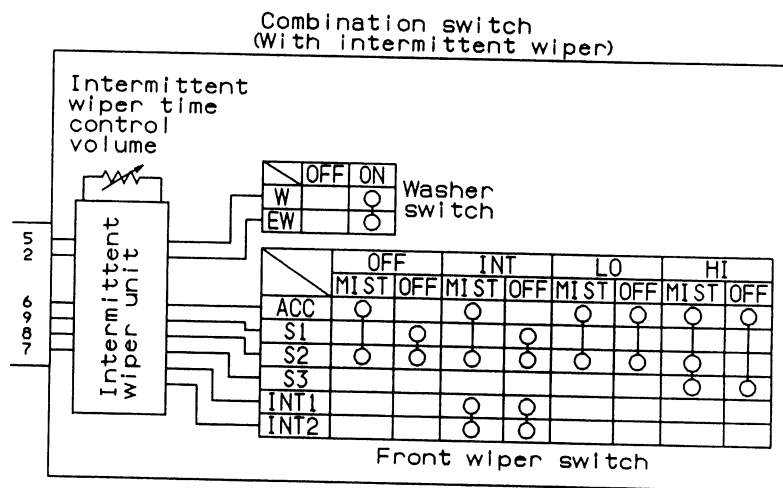
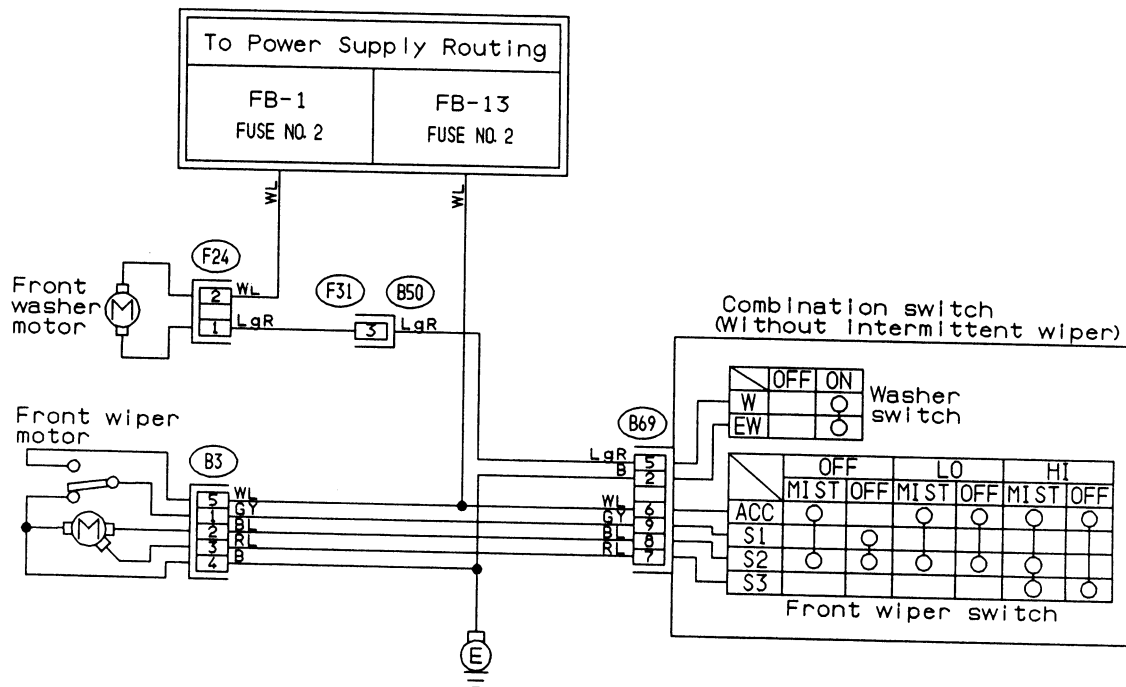








# 14. FRONT WIPER AND WASHER SYSTEM

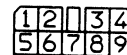
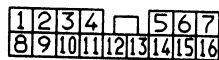


F24  
(Green)

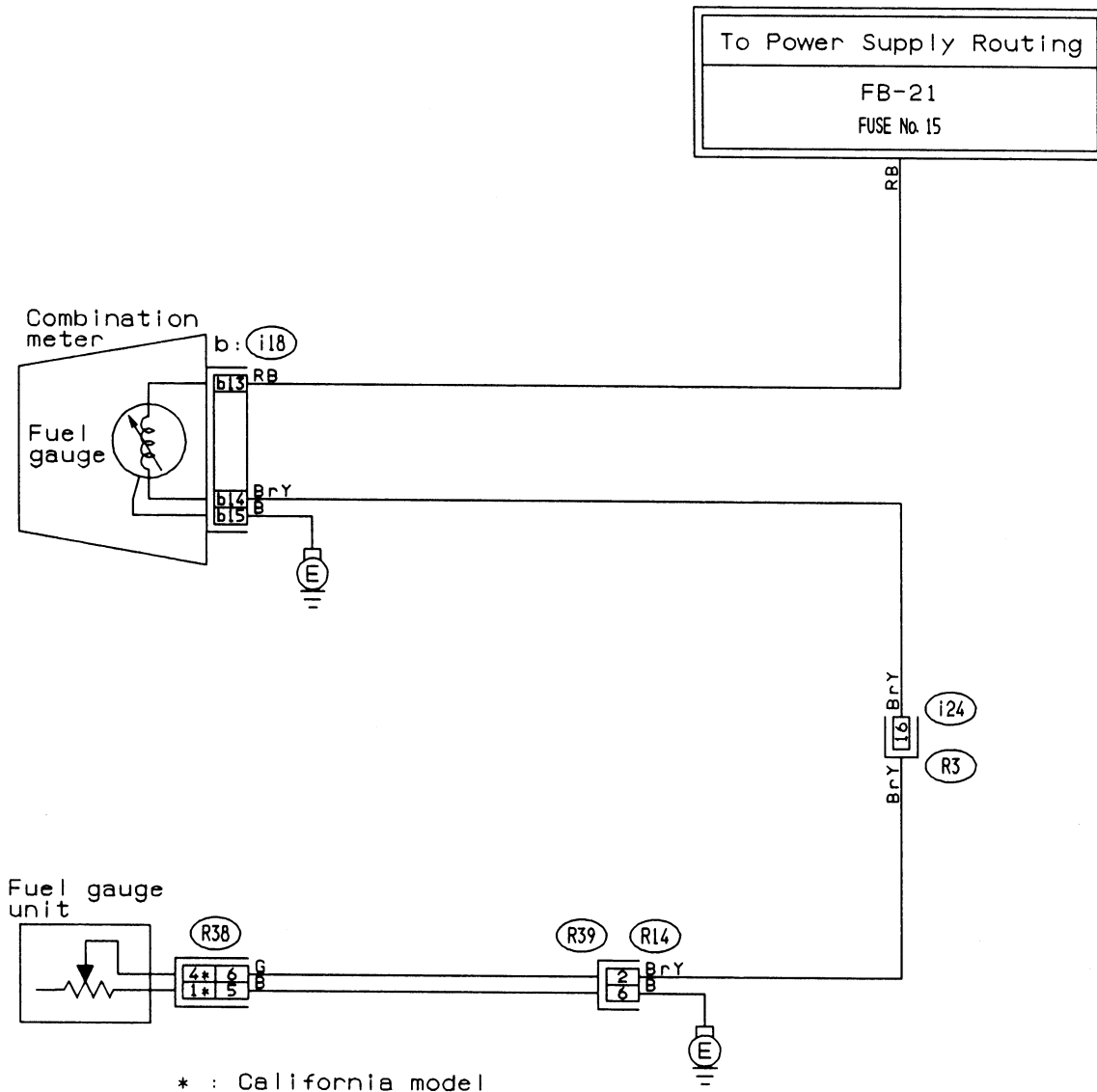
F31

B3

B69



### 15. FUEL GAUGE SYSTEM



R14 (Black)

R38

i18 (Gray)

i24

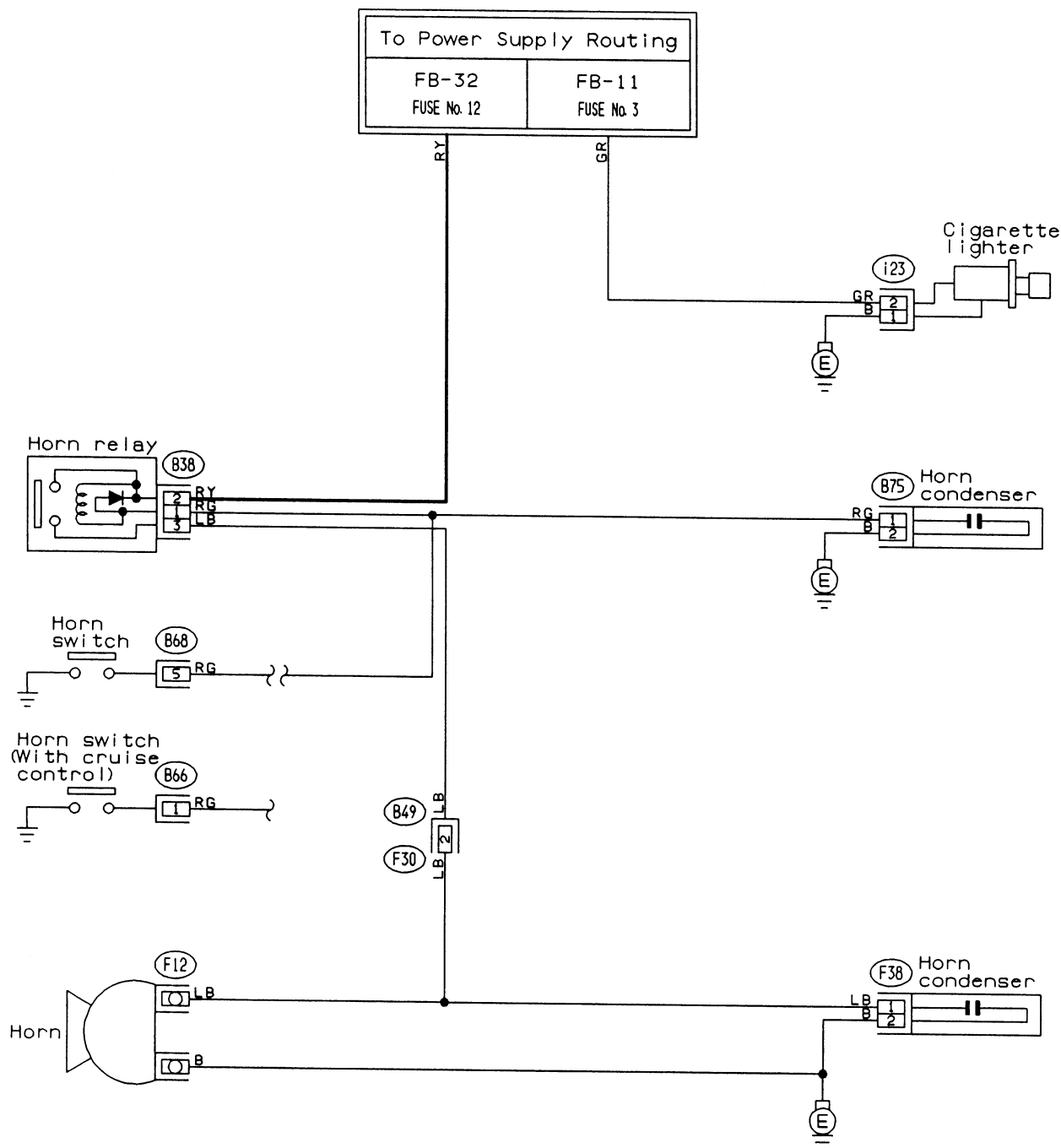
1	2	3
4	5	6

1	2	3
4	5	6

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----

1	2	3	4			5	6	7
8	9	10	11	12	13	14	15	16

16. HORN AND CIGARETTE LIGHTER SYSTEM



(F38) (Black)

(B75) (Black)



(i23)

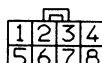
(B38) (Black)



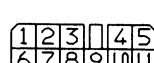
(B66) (Black)



(F30)

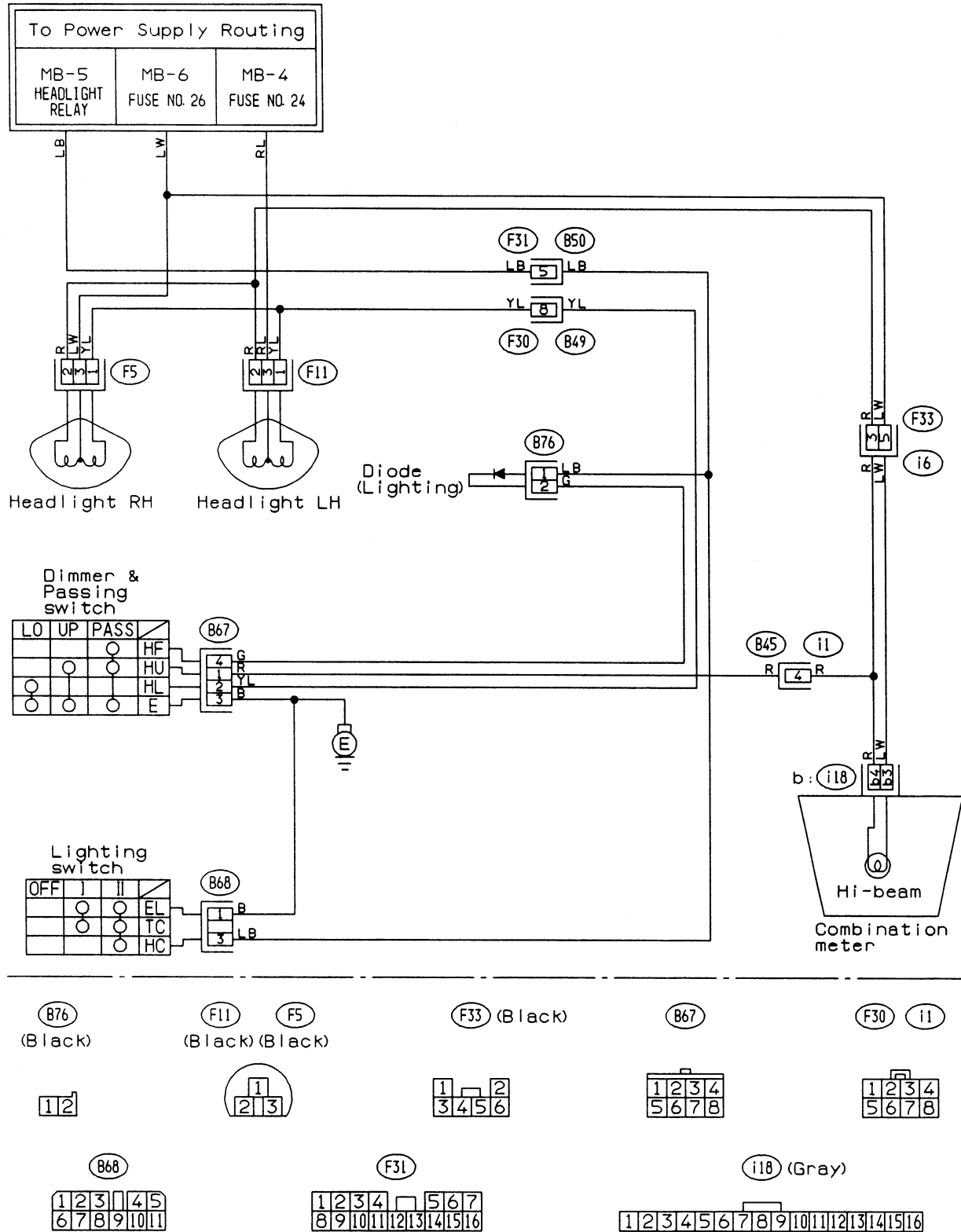


(B68)



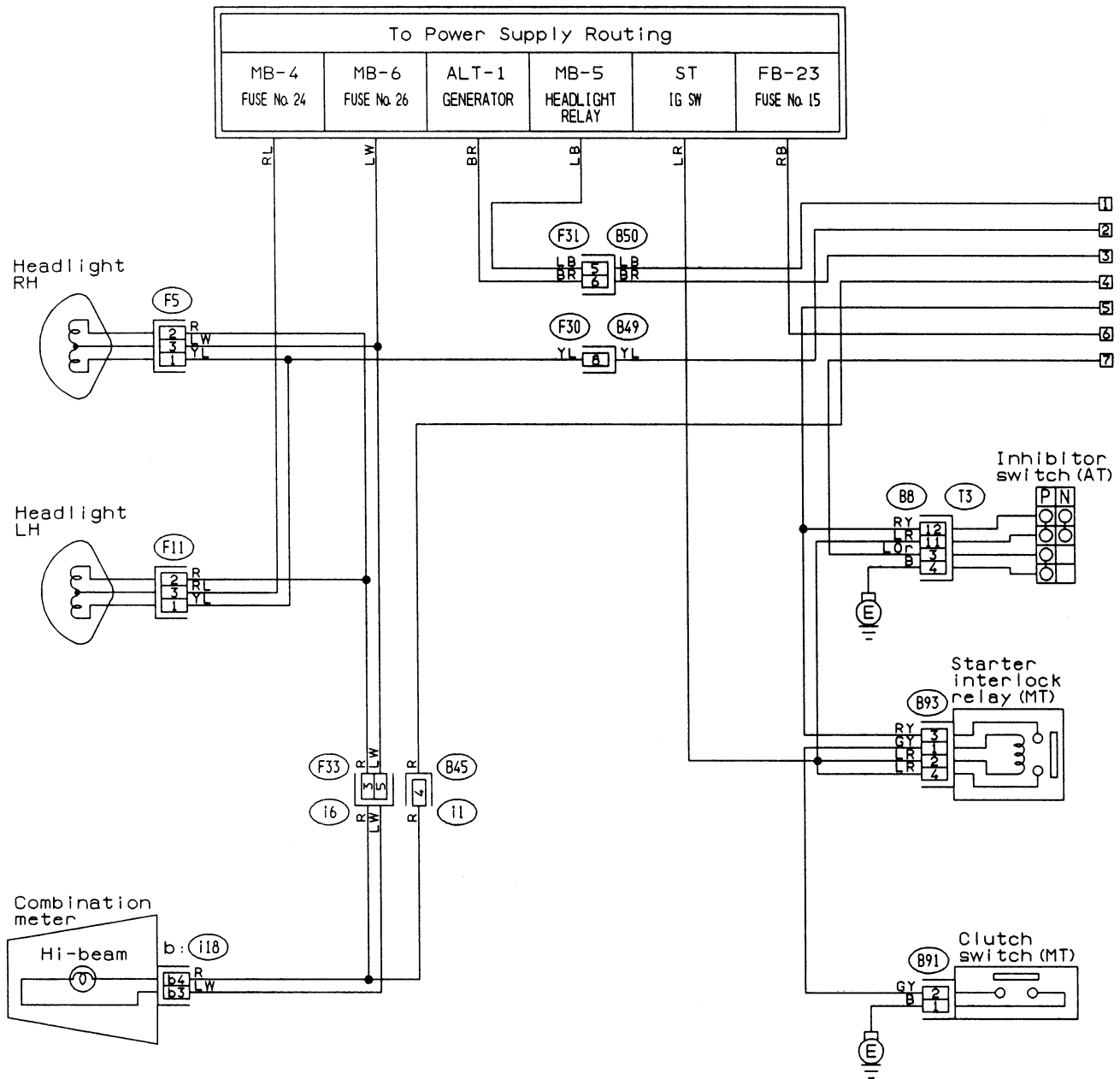
### 17. LIGHTING (HEADLIGHT) SYSTEM

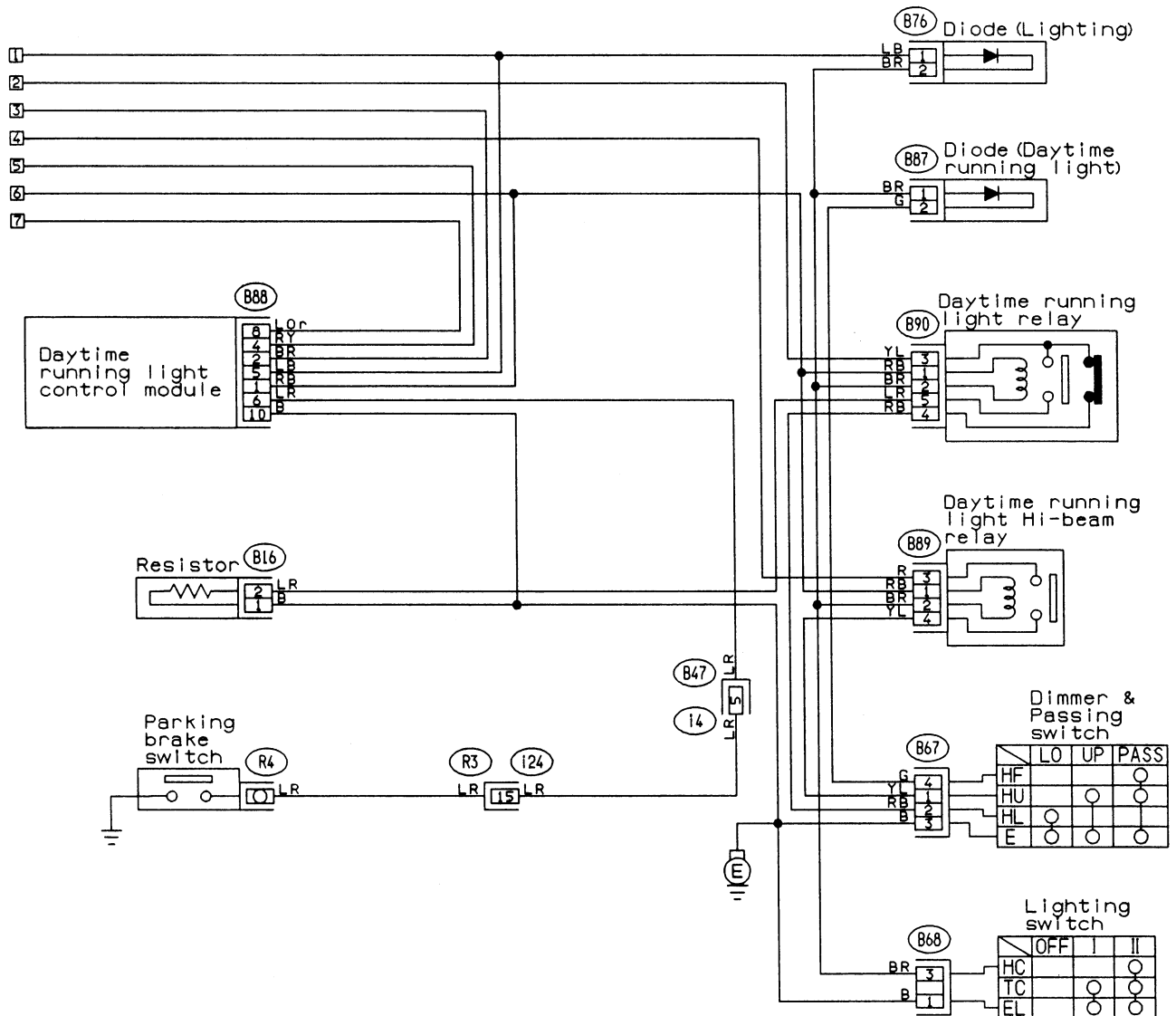
#### ● U.S.A. model



# 17. LIGHTING (HEADLIGHT) SYSTEM

## • Canada model





(B76) (Black)

(B87) (Black)

(B16) (Gray)

(B90) (Black)

(B67)

(B88)

1 2

1 2

1 2  
3 4  
5 X

1 2 3 4  
5 6 7 8

1 2 3 4 5  
6 7 8 9 10

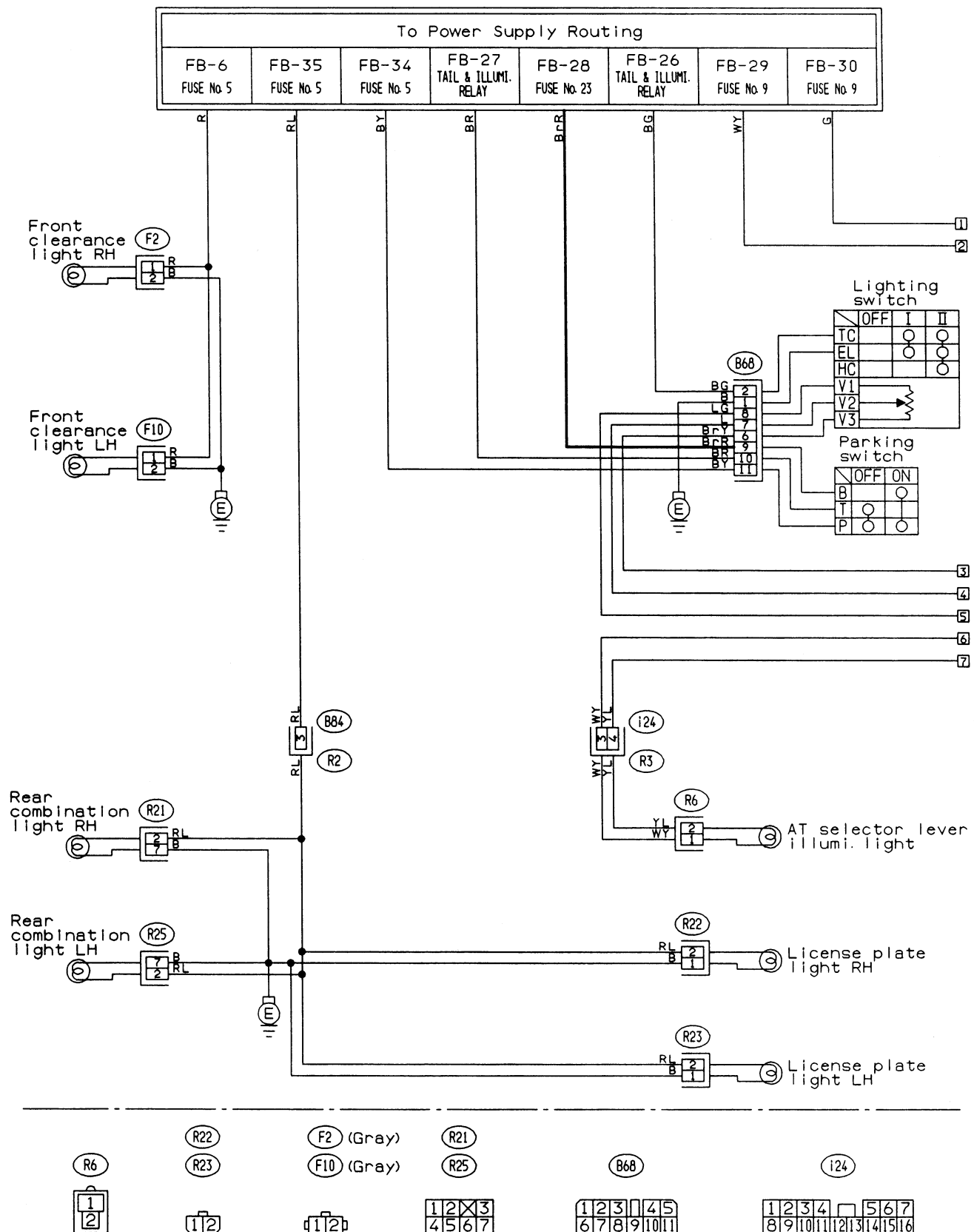
(B68)

1 2 3 4 5  
6 7 8 9 10 11

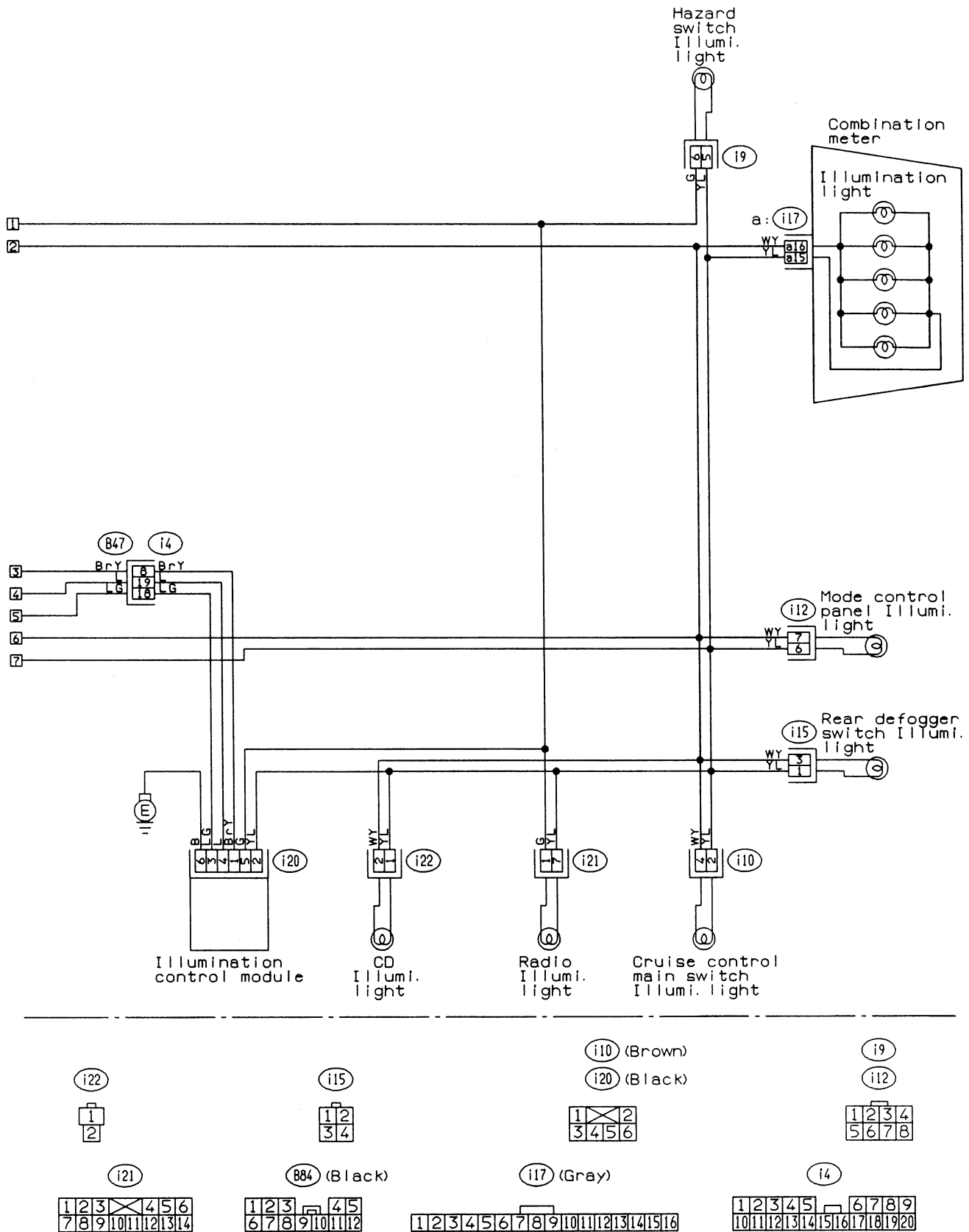
(i4)

1 2 3 4 5 6 7 8 9  
10 11 12 13 14 15 16 17 18 19 20

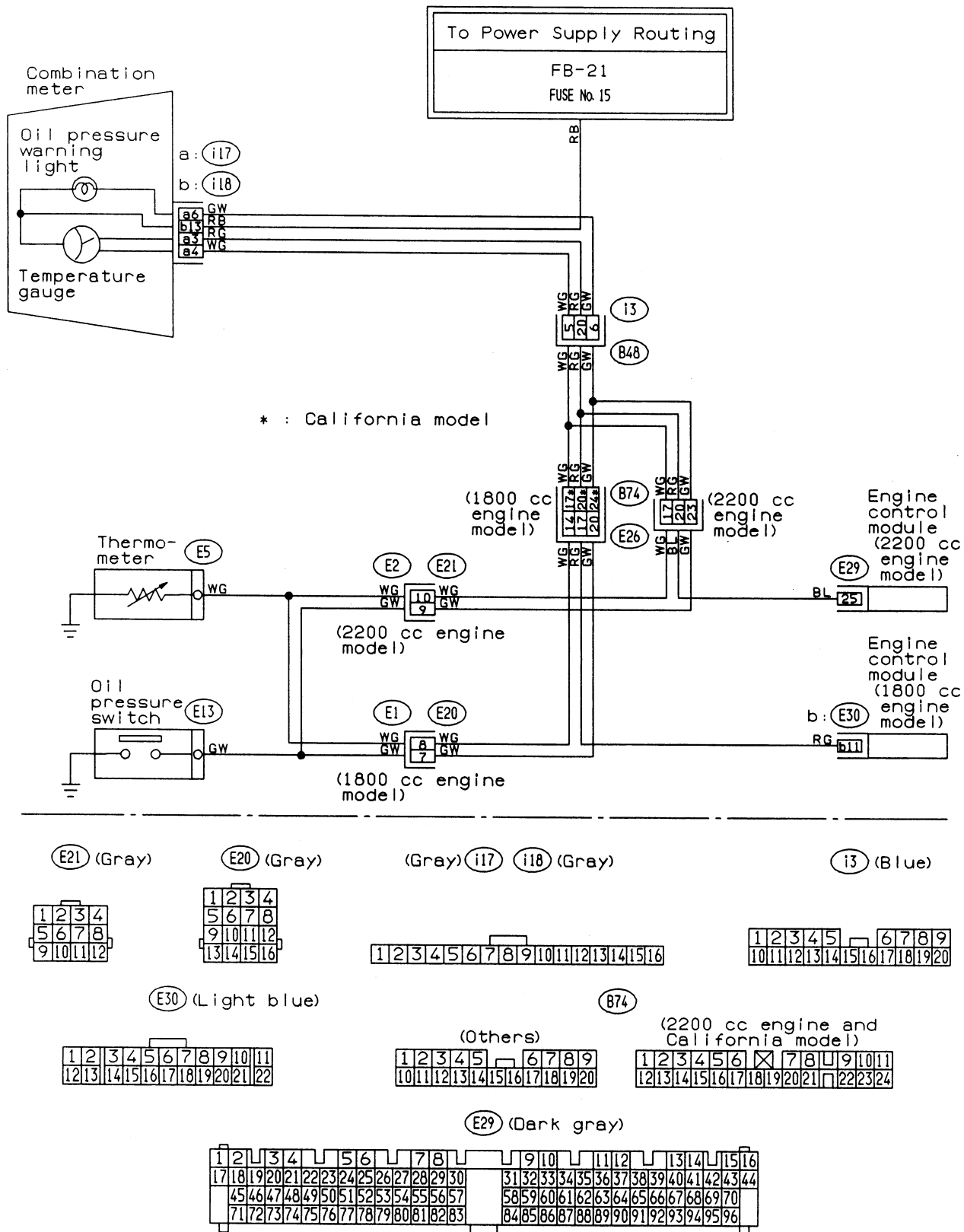
# 18. LIGHTING (TAIL LIGHT-ILLUMINATION LIGHT-etc.) SYSTEM



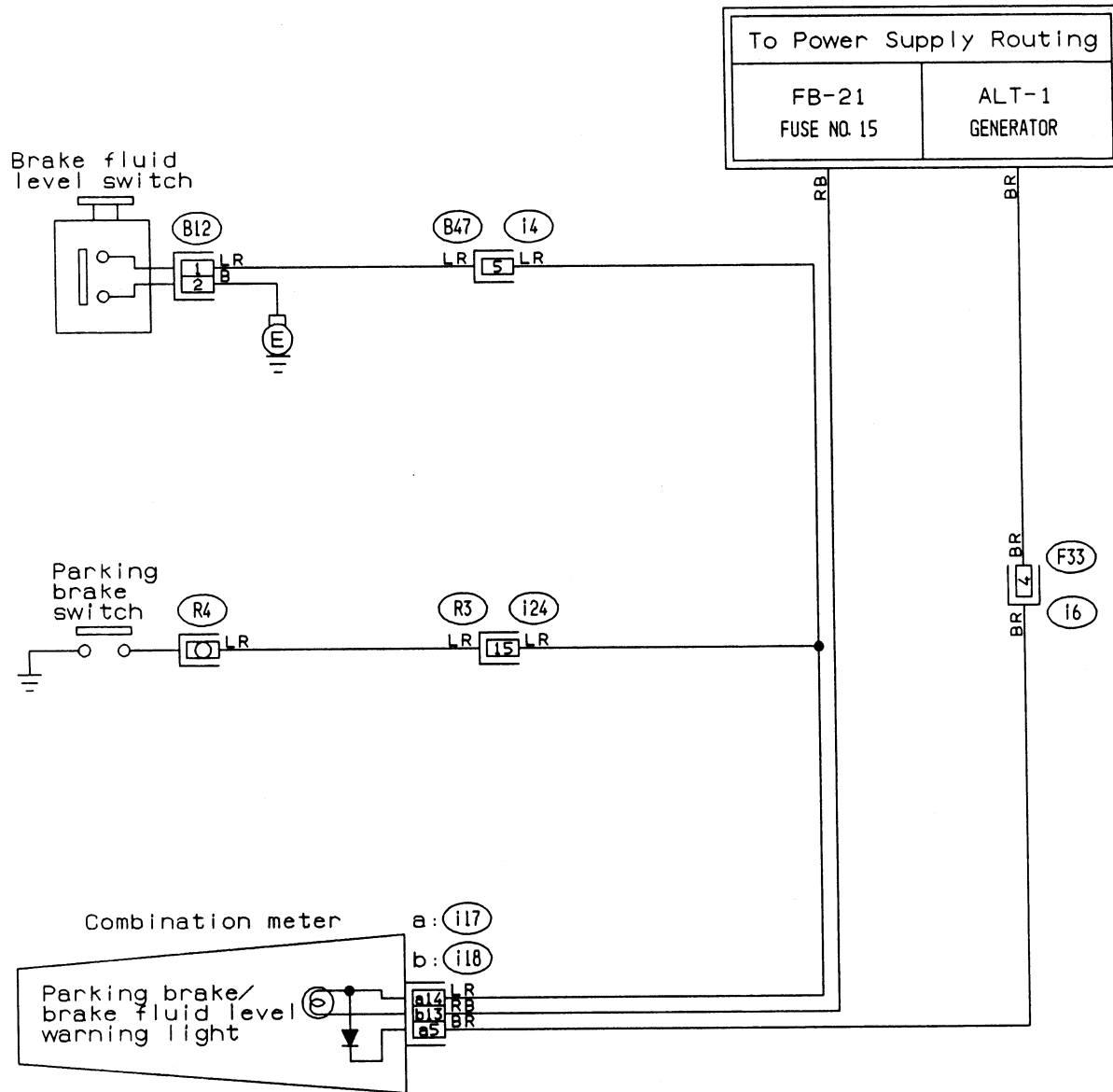




## 19. OIL PRESSURE AND TEMPERATURE GAUGE SYSTEM



### 20. PARKING BRAKE AND BRAKE FLUID LEVEL WARNING SYSTEM



B12 (Gray)

F33 (Black)

i17 (Gray)

i18 (Gray)

1 2

1 2  
3 4 5 6

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

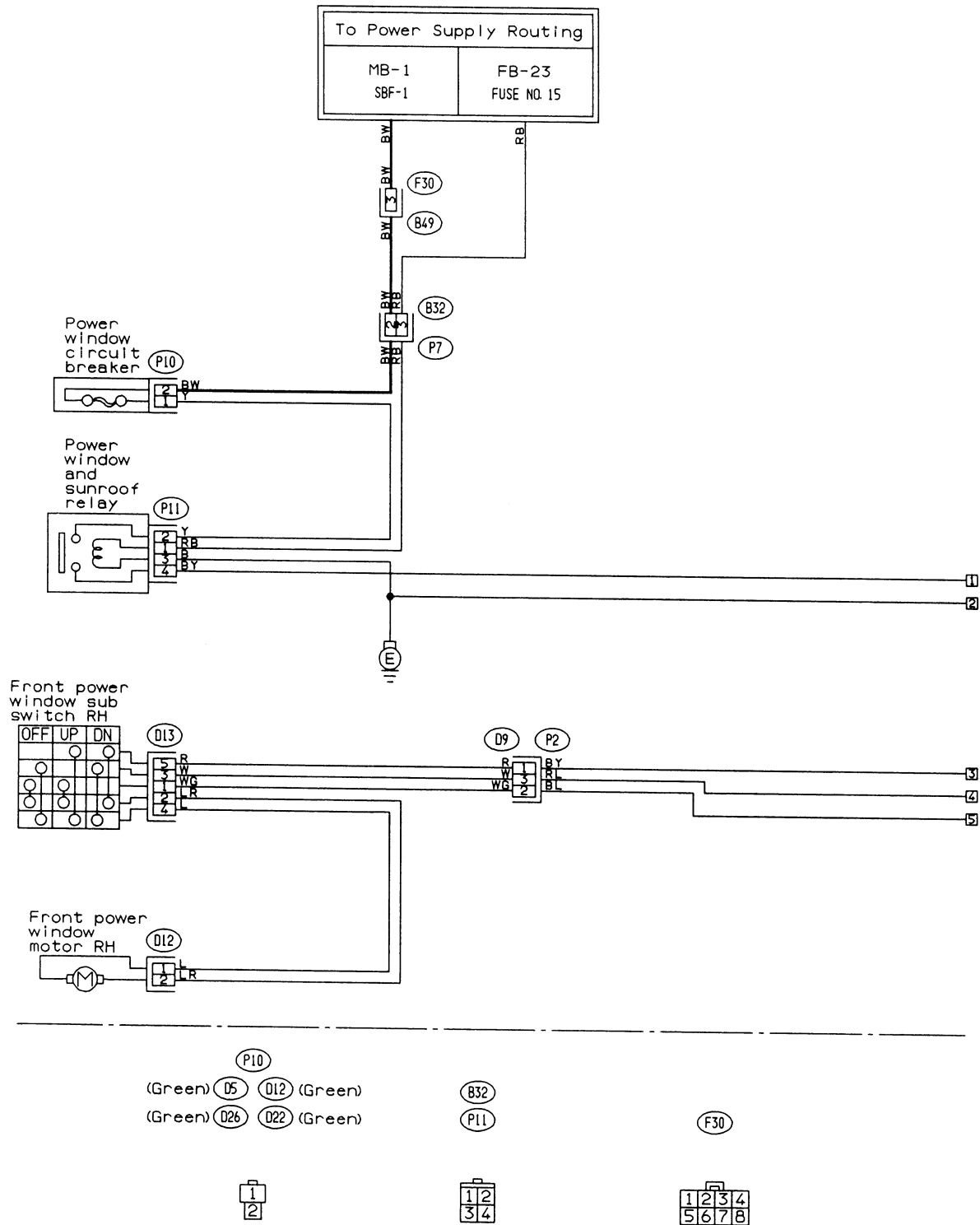
i24

1 2 3 4 5 6 7  
8 9 10 11 12 13 14 15 16

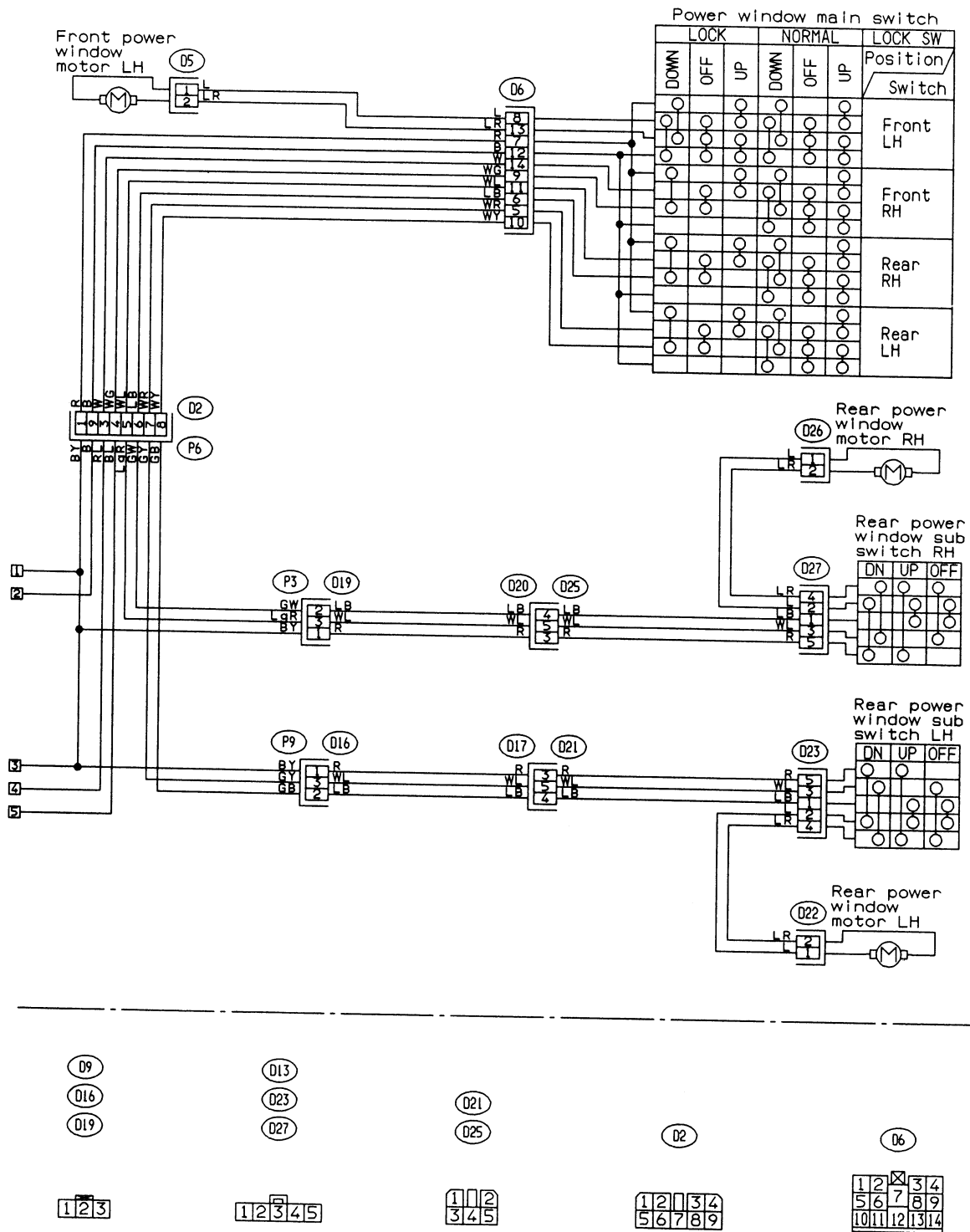
i4

1 2 3 4 5 6 7 8 9  
10 11 12 13 14 15 16 17 18 19 20

21. POWER WINDOW SYSTEM

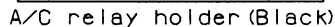
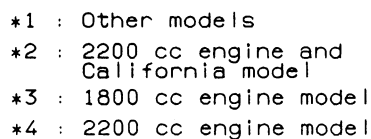


GU70-01A

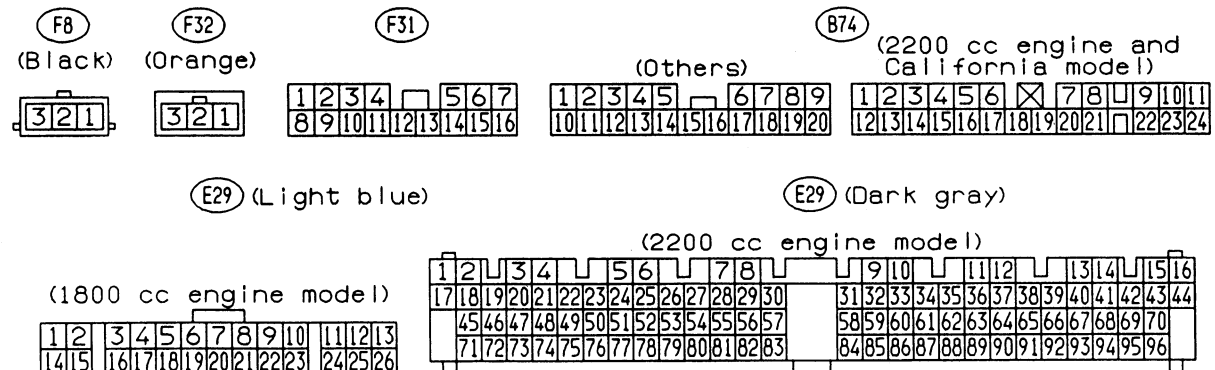


GU70-01B

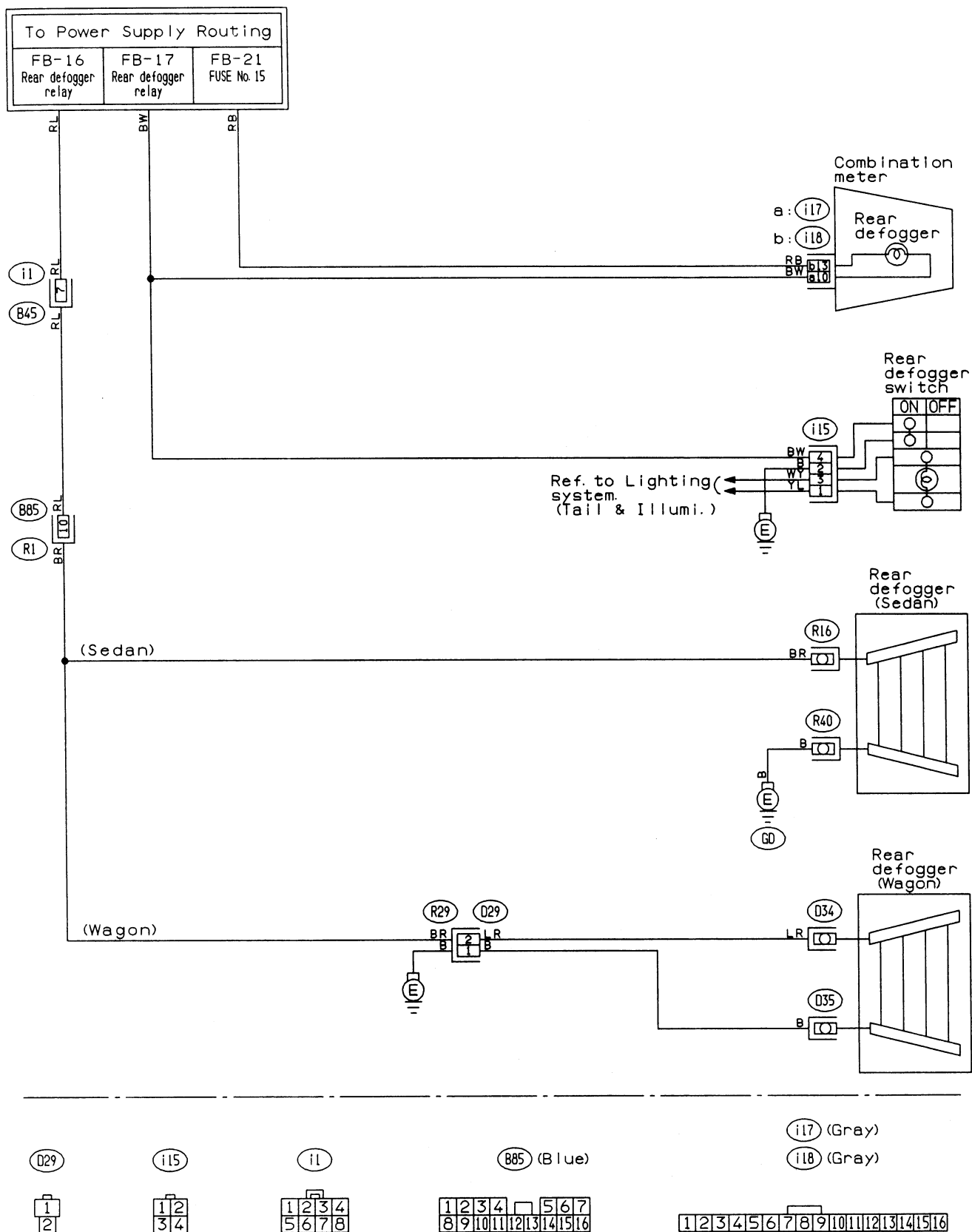
- **With A/C**



- **Without A/C**



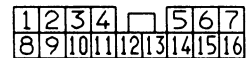
23. REAR WINDOW DEFOGGER SYSTEM



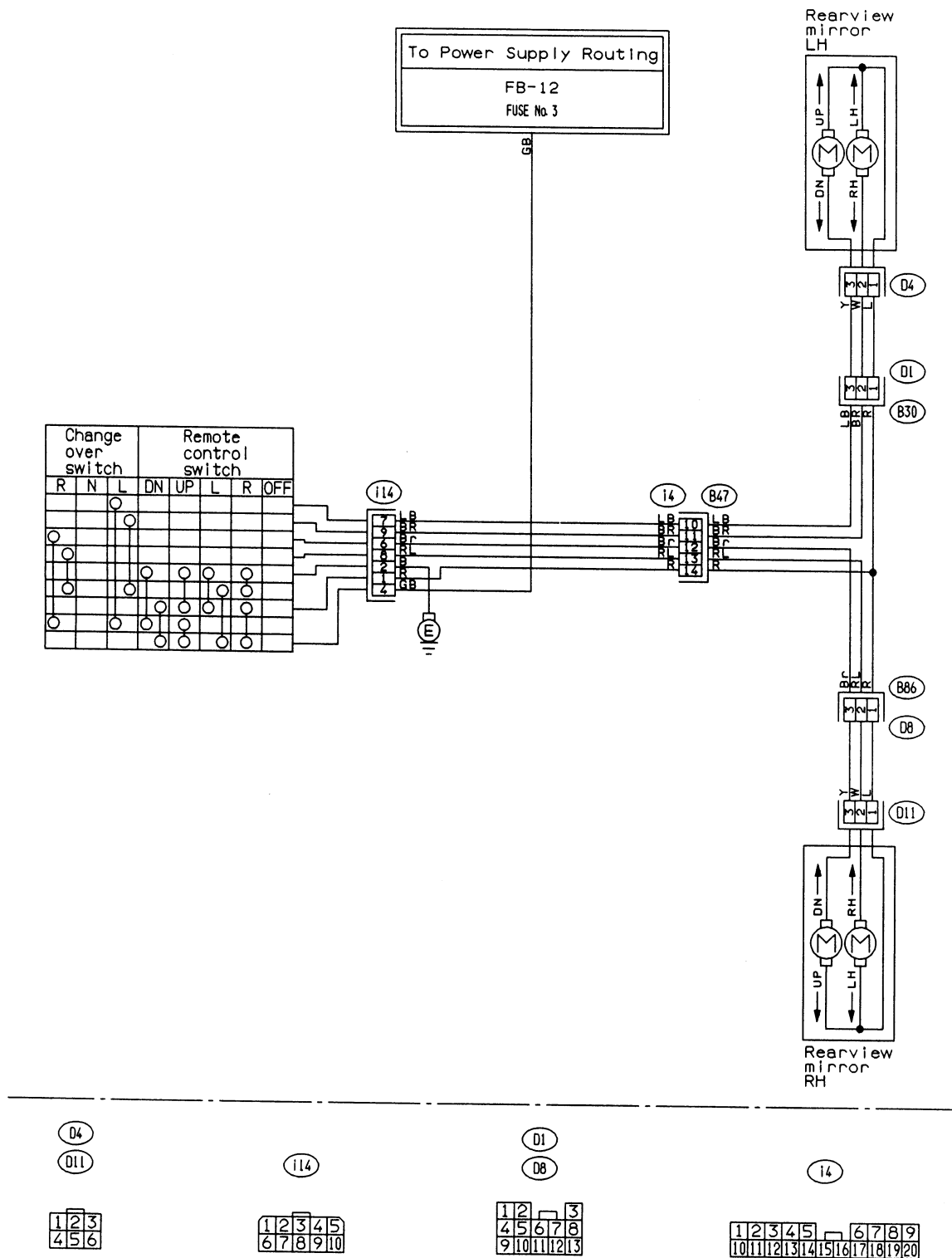


The diagram illustrates the electrical circuit for the rear wiper and washer system. It shows the power supply routing from the fuse box (FB-13, FUSE NO. 2) through various relays and switches to the rear wiper motor and washer motor. Key components include the rear wiper relay (R27), rear wiper motor (D37), rear washer motor (R26), and rear wiper & washer switch (B69). The diagram also shows the connection to the power supply routing (To Power Supply Routing) and the ground connection (E).

(B85) (Blue)

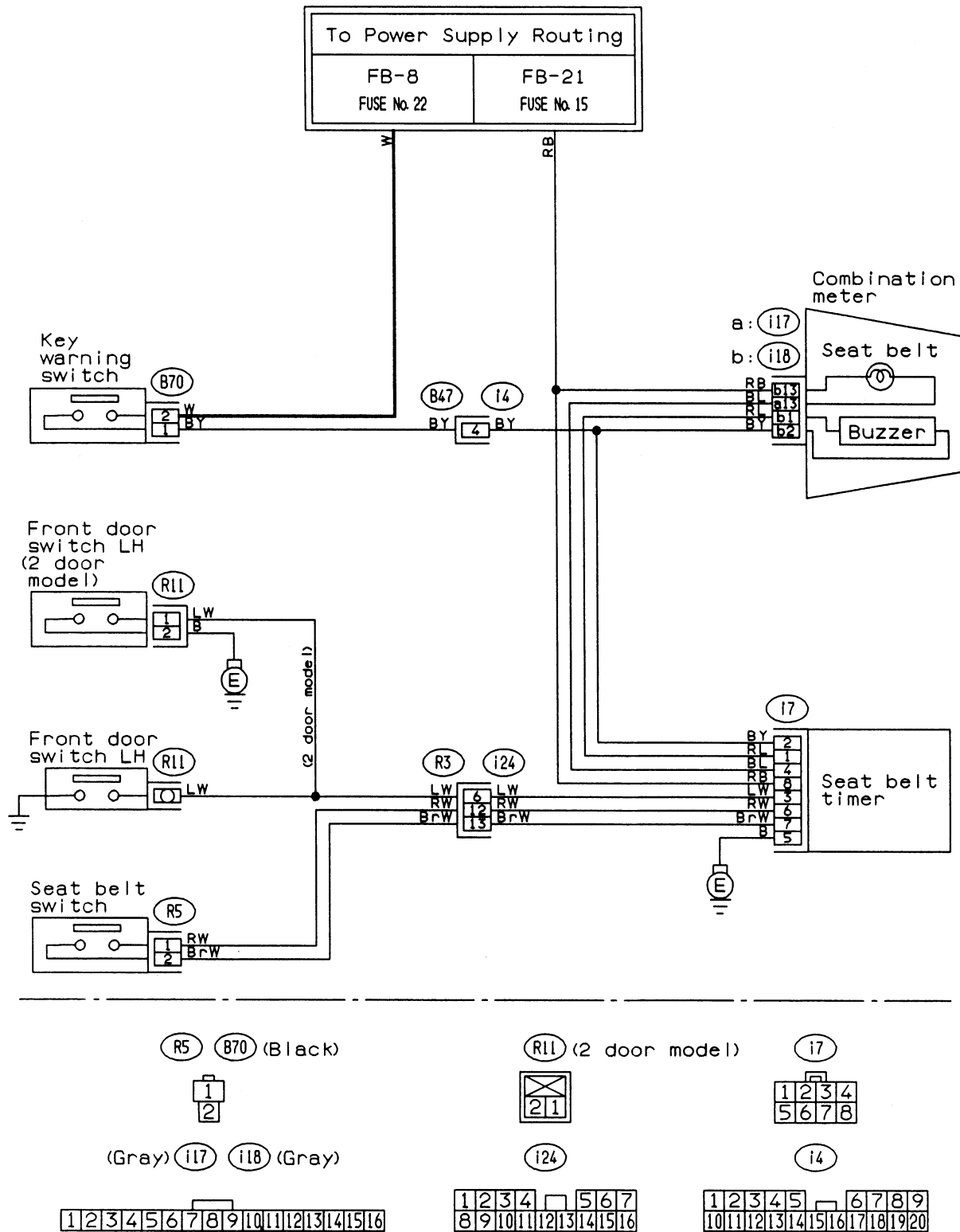


# 25. REMOTE CONTROL REARVIEW MIRROR SYSTEM

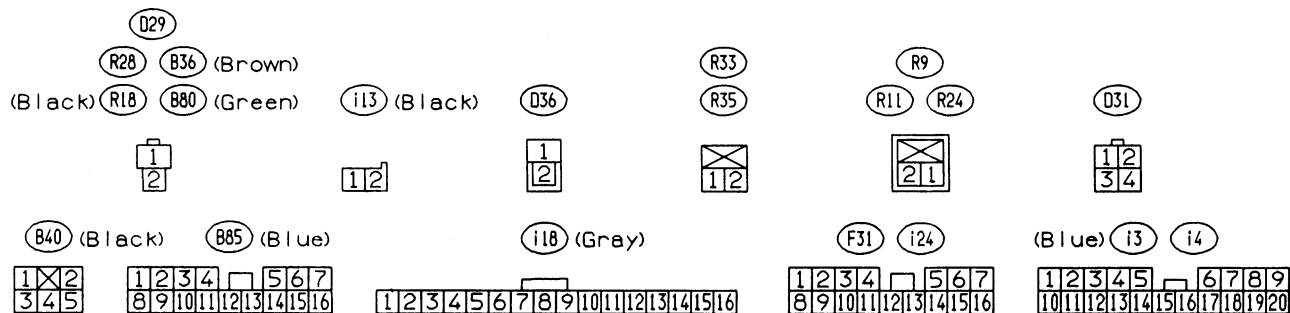
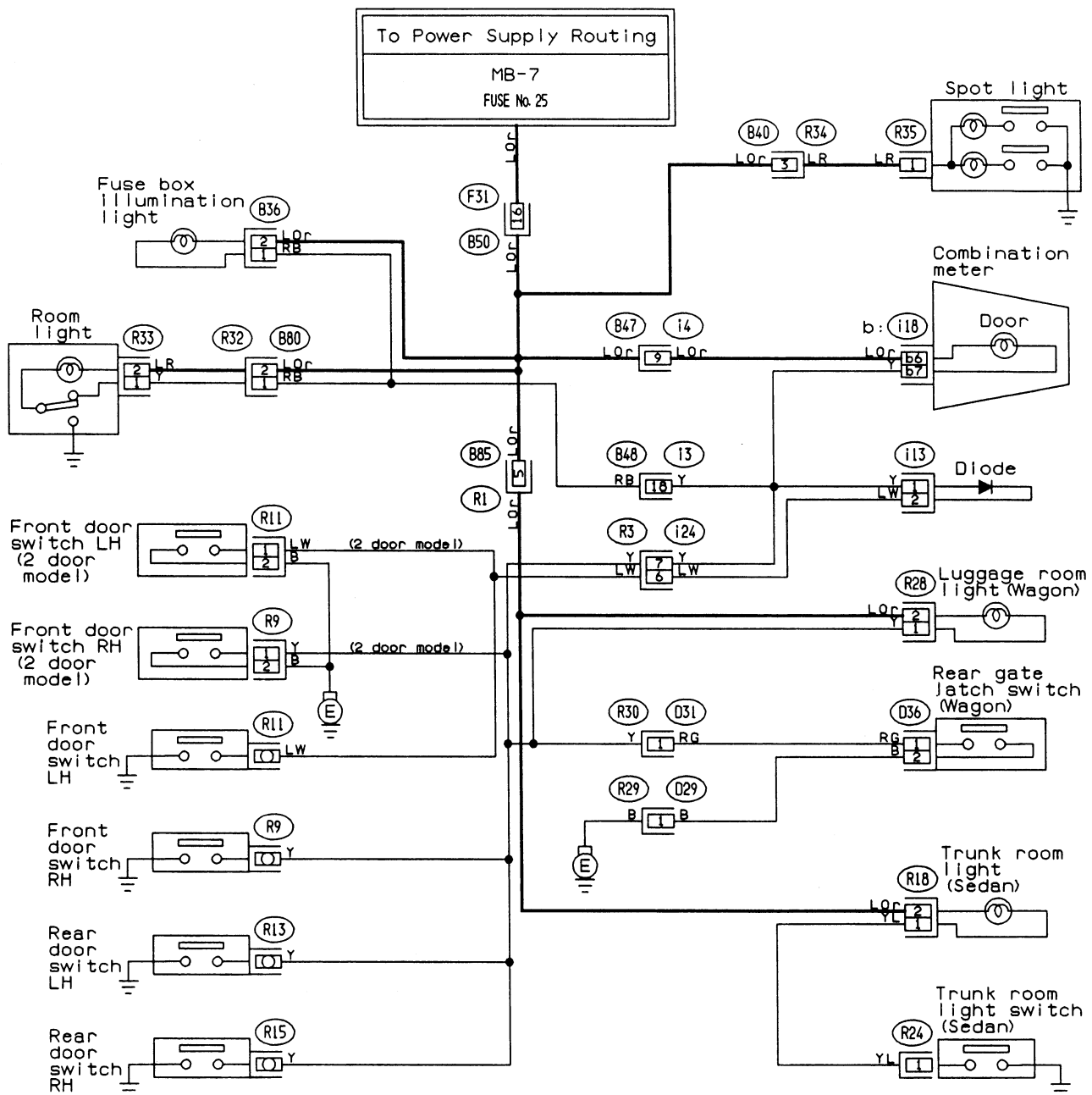


GU79-01

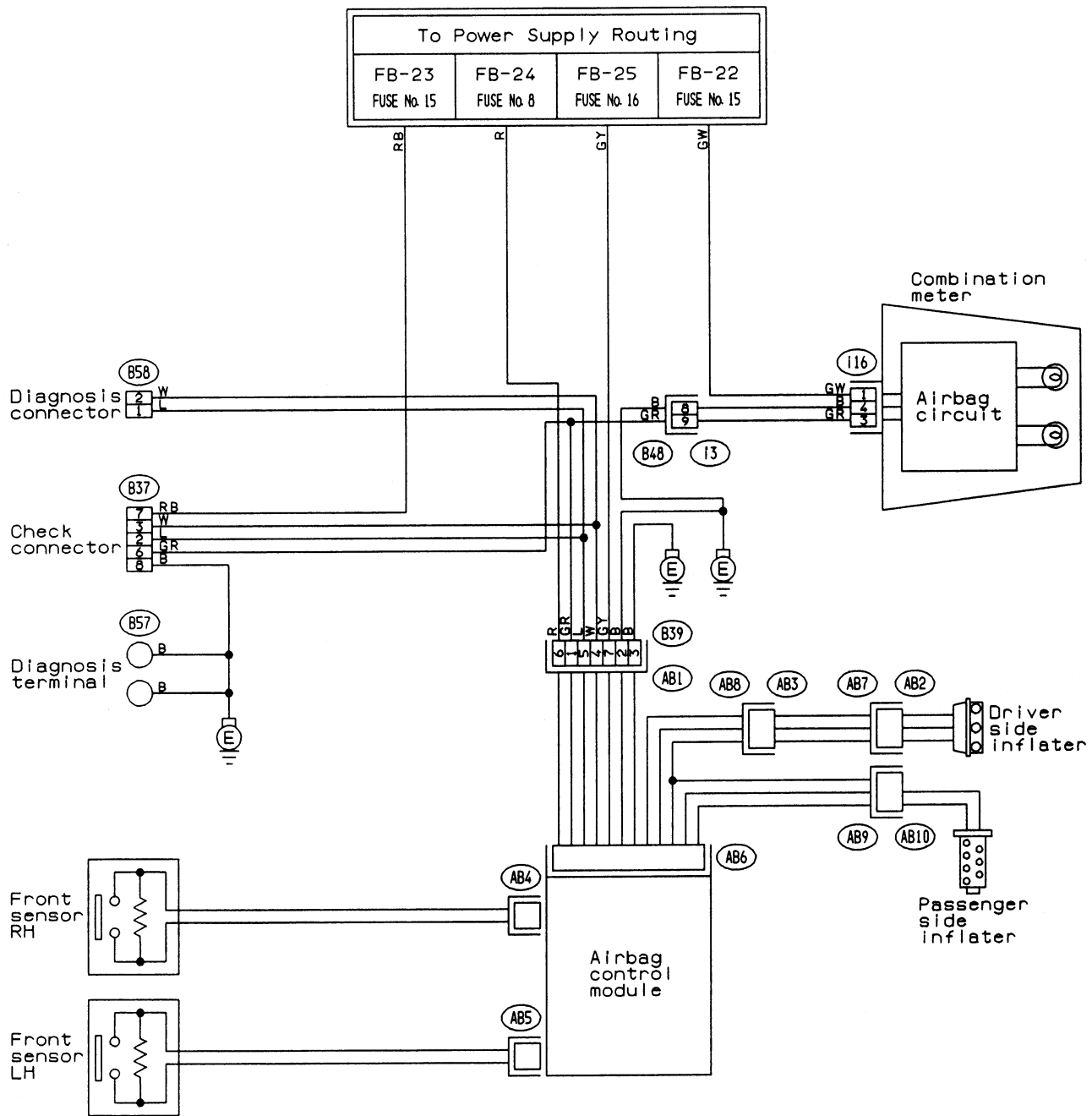
### 26. SEAT BELT WARNING AND KEY WARNING SYSTEM



## 27. SPOT LIGHT, ROOM LIGHT, FUSE BOX LIGHT, LUGGAGE AND TRUNK ROOM LIGHT SYSTEM



### 28. SRS (AIRBAG SYSTEM)



(116)

(B58) (Black)

(B39) (Yellow)

1 2 3 4

1 2  
3 4 5 6

1 2 3  
4 5 6 7

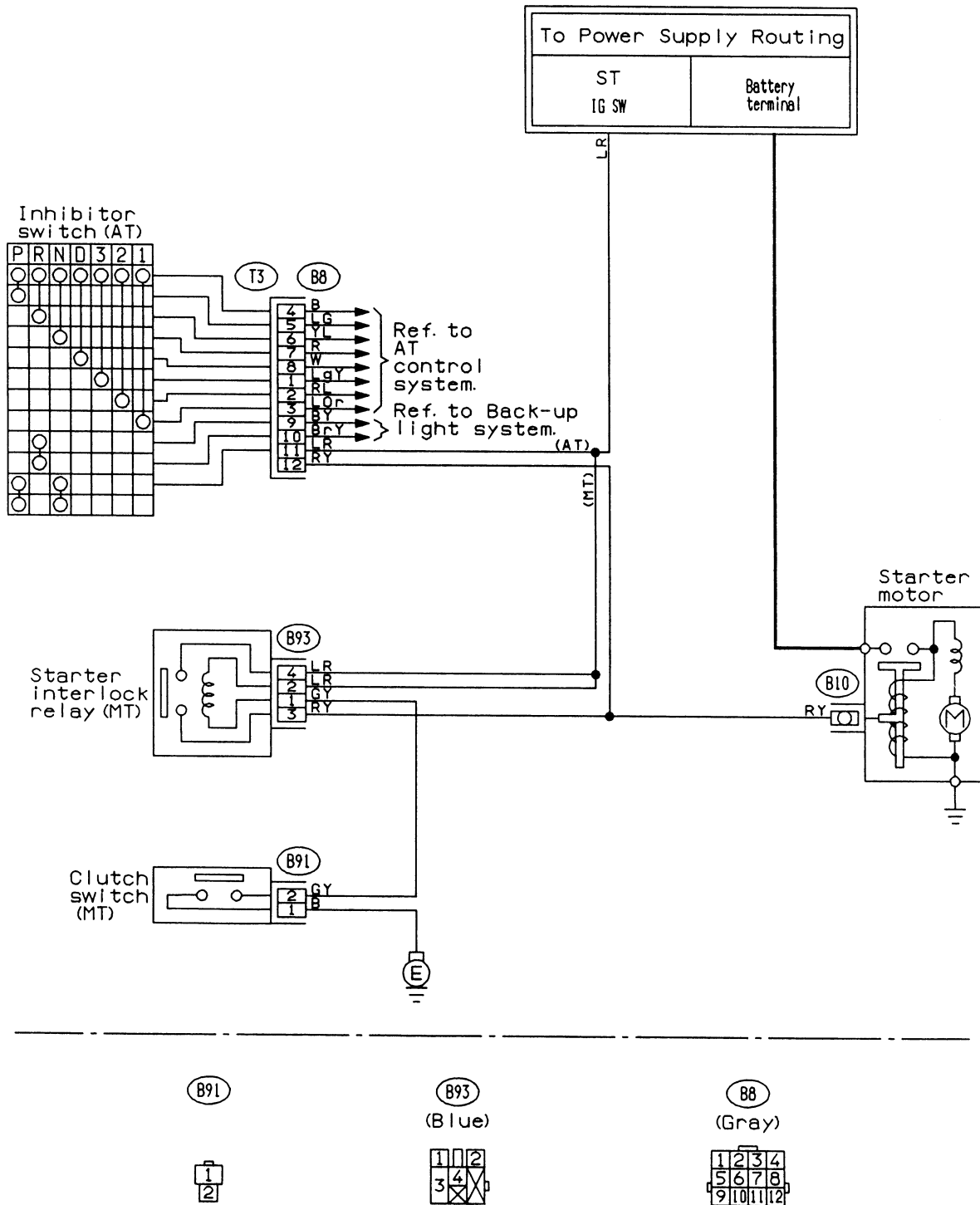
(B37) (Gray)

(13) (Blue)

1 2 3 4 5 6 7  
8 9 10 11 12 13 14

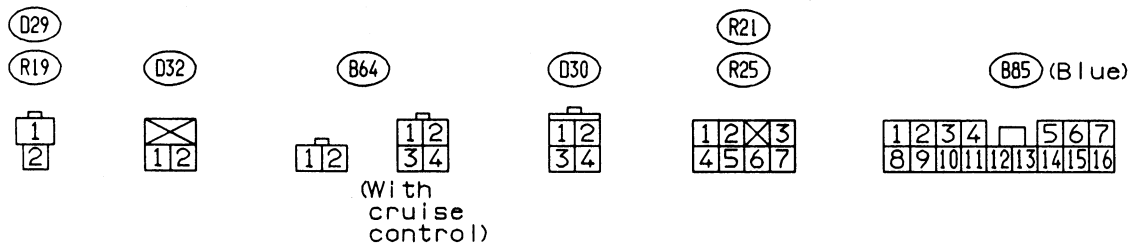
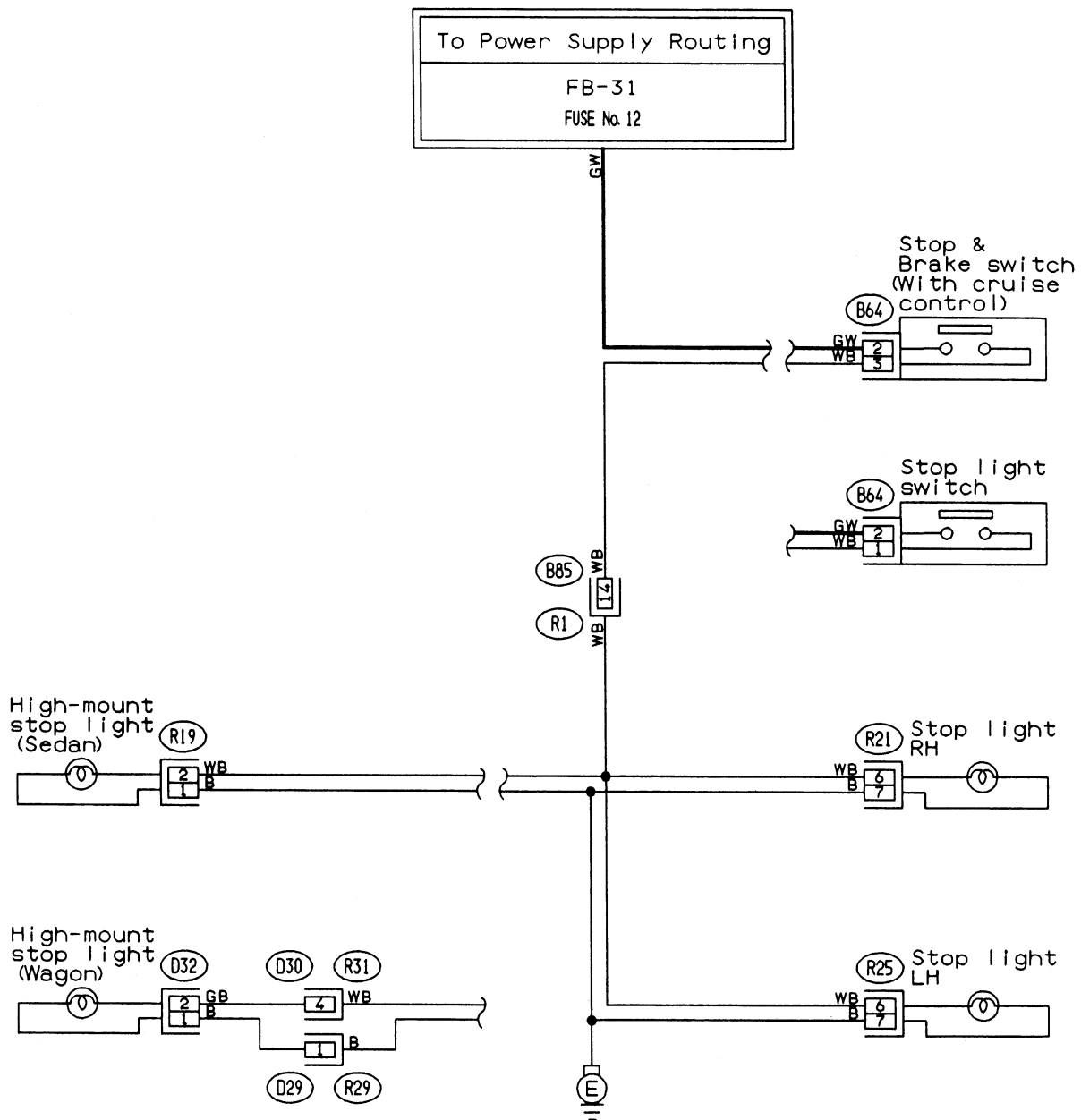
1 2 3 4 5 6 7 8 9  
10 11 12 13 14 15 16 17 18 19 20

## 29. STARTING SYSTEM

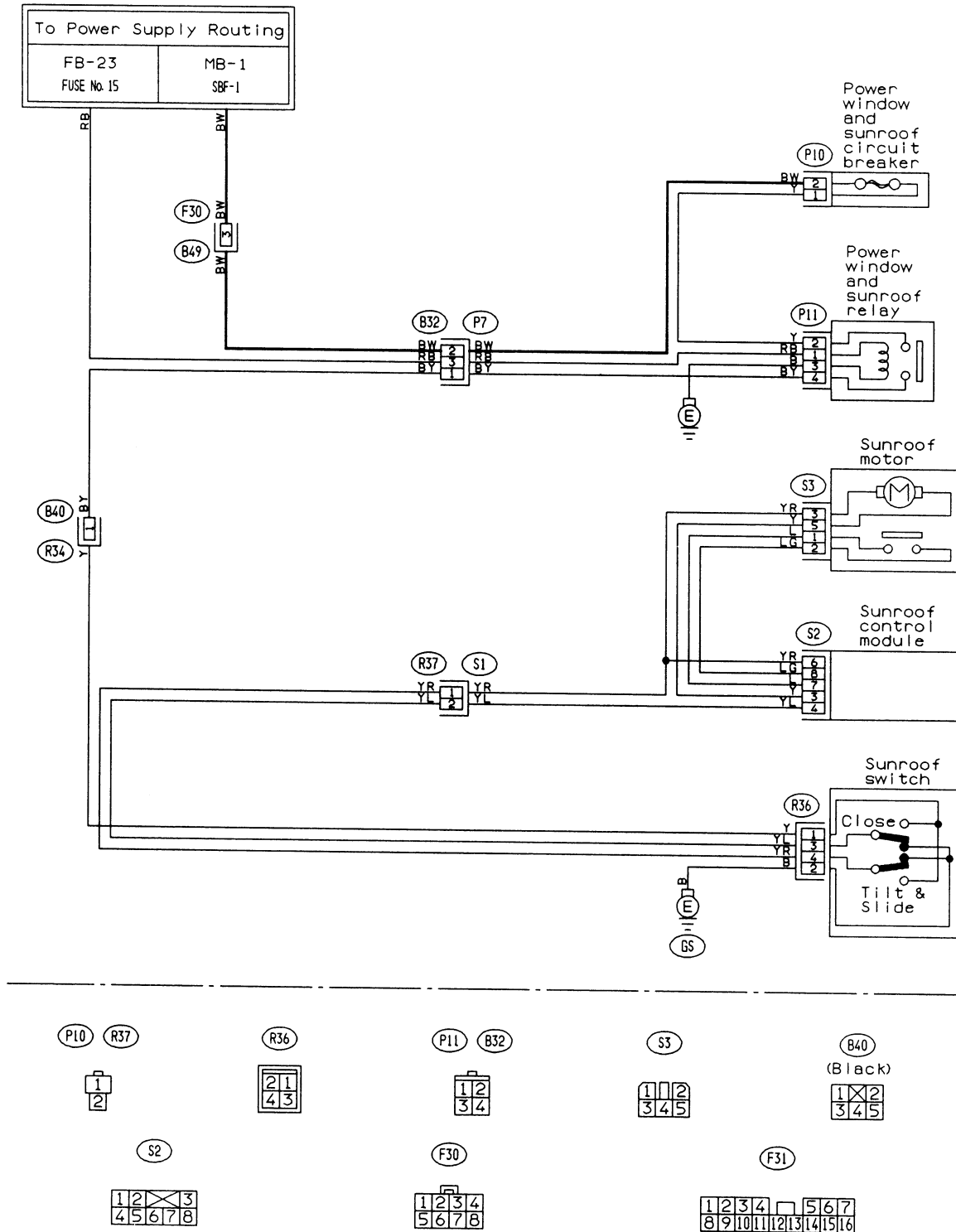


GU03-01

### 30. STOP LIGHT SYSTEM



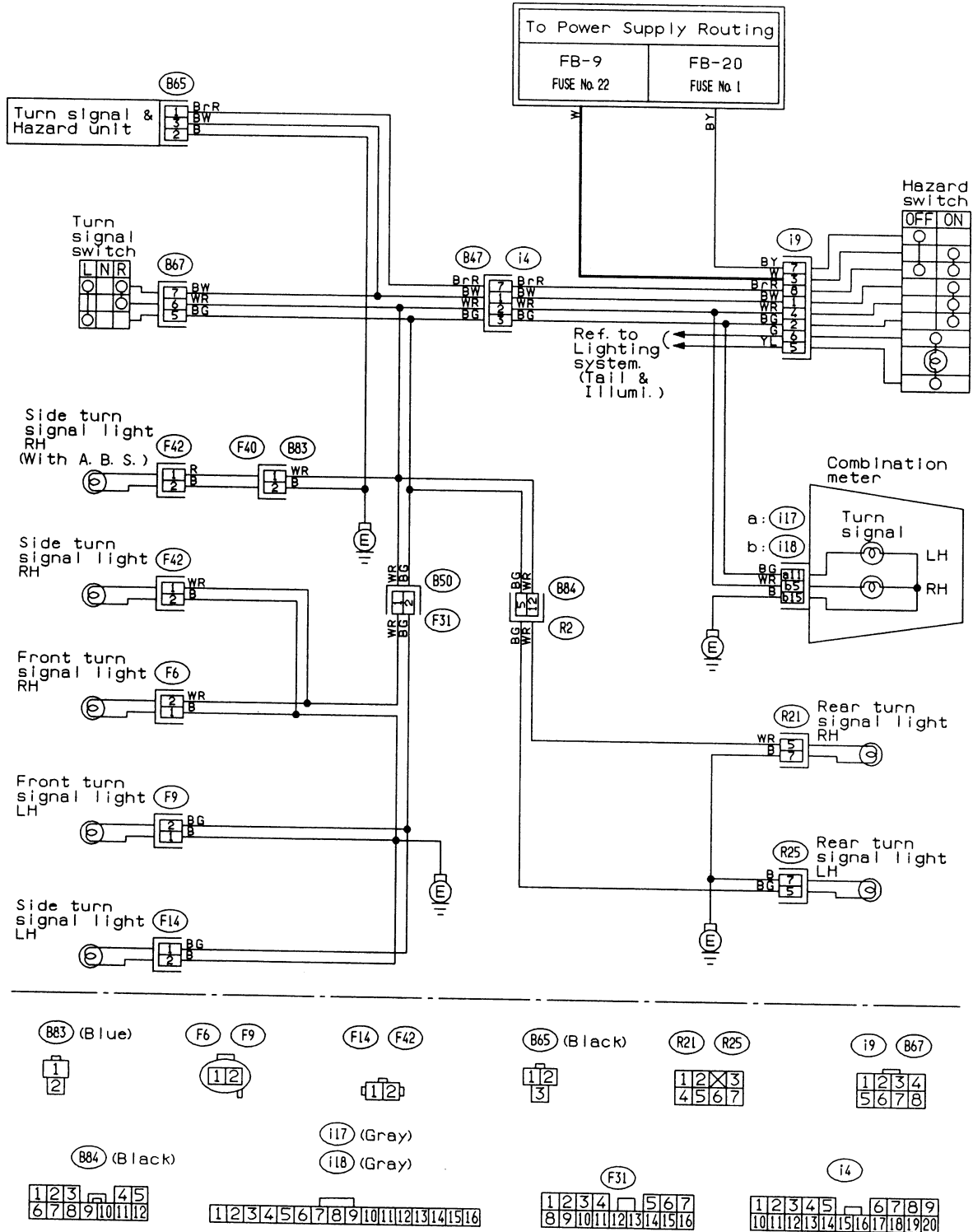
31. SUNROOF SYSTEM



GU75-01

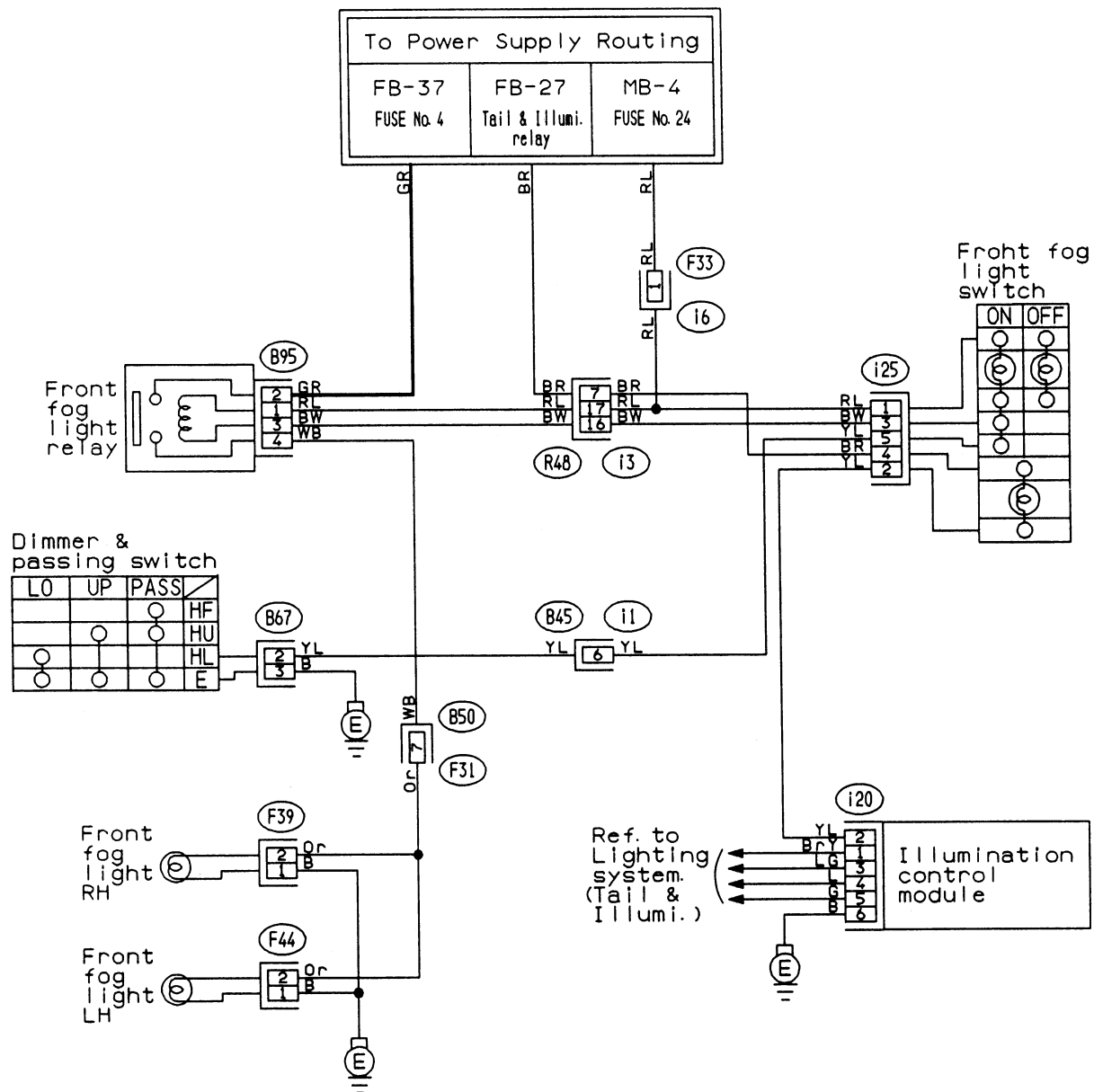


### 32. TURN SIGNAL AND HAZARD SYSTEM



GU26-01

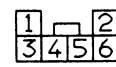
## 33. FRONT FOG LIGHT SYSTEM



(Black) (F39) (F44) (Black) (B95) (Black)

(i25) (i20) (Black)

(F33) (Black)

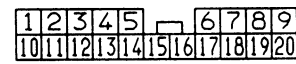
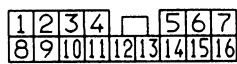
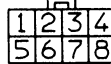


(B67)

(i1)

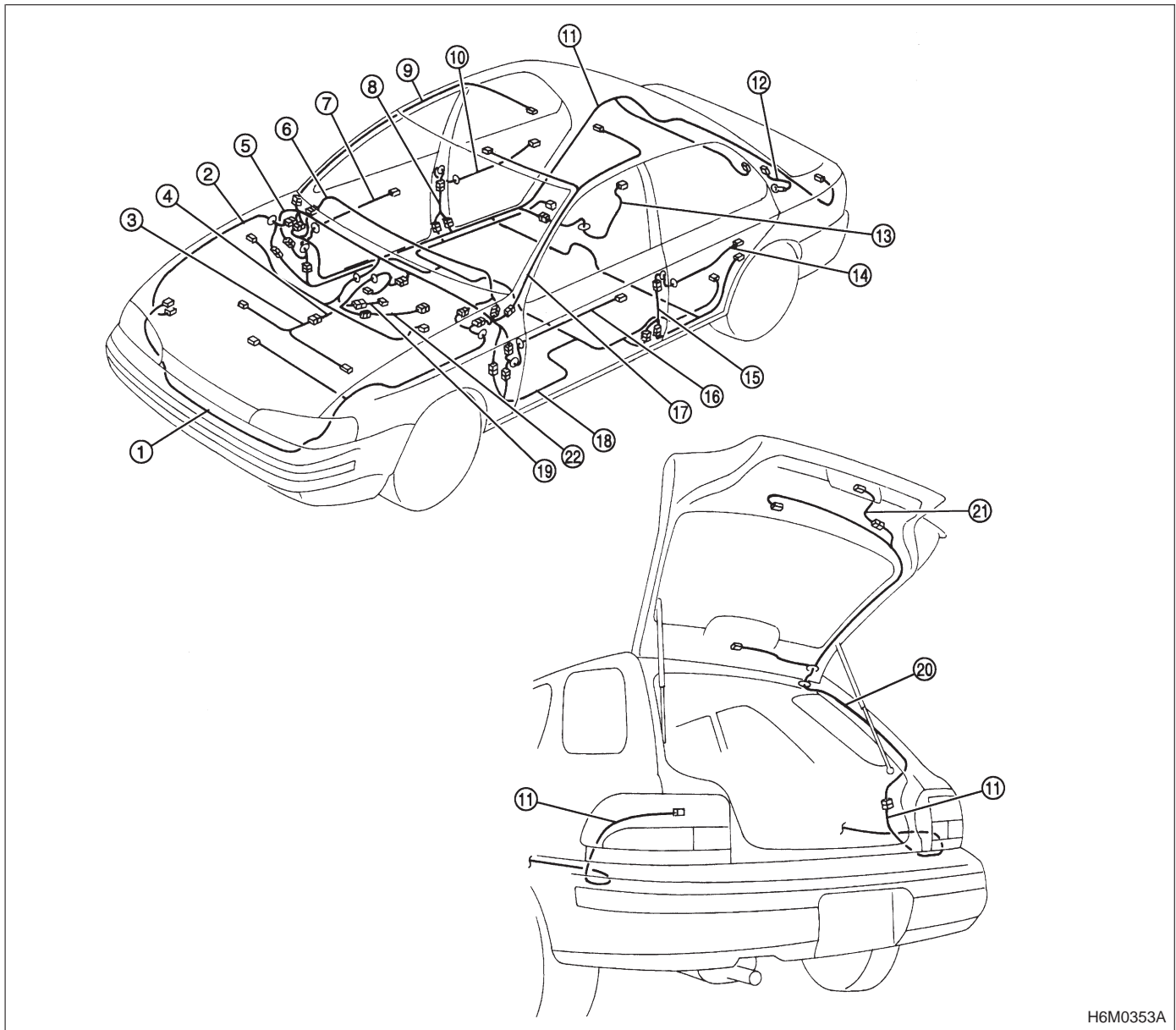
(F31)

(i3) (Blue)



GU22-01

## 6. Electrical Wiring Harness and Ground Point



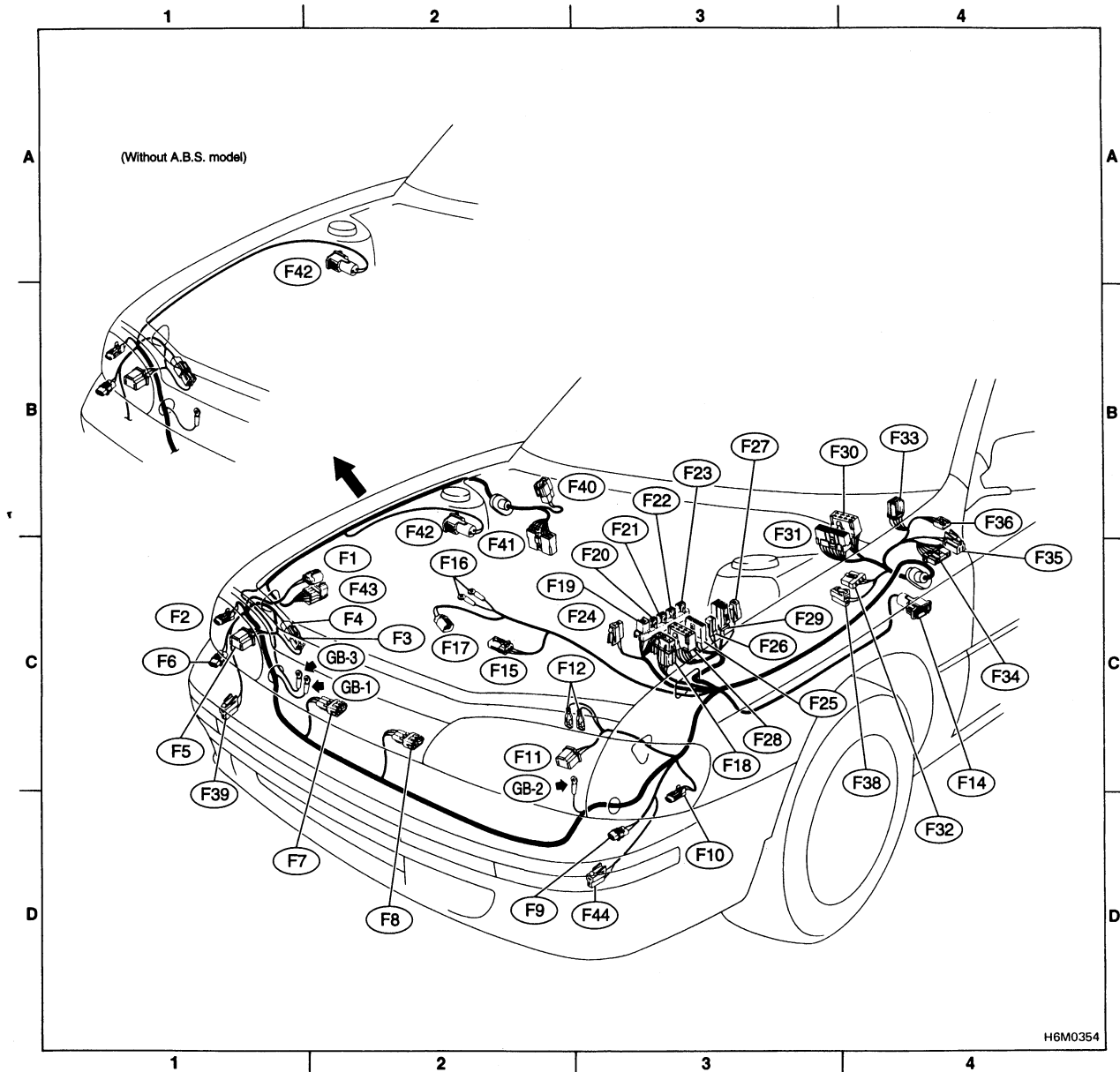
H6M0353A

- |                                   |                                   |
|-----------------------------------|-----------------------------------|
| ① Front wiring harness LH         | ⑫ Rear defogger cord (Ground)     |
| ② Front wiring harness RH         | ⑬ Fuel tank cord                  |
| ③ Engine wiring harness           | ⑭ Rear door cord LH               |
| ④ Engine module wiring harness    | ⑮ Rear door adapter cord LH       |
| ⑤ Bulkhead wiring harness         | ⑯ Front door cord LH              |
| ⑥ Instrument panel wiring harness | ⑰ Sunroof cord or spot light cord |
| ⑦ Front door cord RH              | ⑱ Power window main harness       |
| ⑧ Rear door adapter cord RH       | ⑲ Transmission cord               |
| ⑨ Room light cord                 | ⑳ Rear gate cord                  |
| ⑩ Rear door cord RH               | ㉑ Rear gate lock adapter cord     |
| ⑪ Rear wiring harness             | ㉒ Rear oxygen sensor cord         |

Connector			Connecting to	
No.	Pole	Color	No.	Name
F1	2	Gray		Hydraulic unit
F2	2	Gray		Front marker light RH
F3	1	Black	F4	A/C short connector
F4	1	Black	F3	
F5	3	Black		Headlight RH
F6	2	★		Front fan signal light RH
F7	3	Black		Sub fan motor
F8	3	Black		Radiator main fan motor
F9	2	★		Front turn signal light LH
F10	2	Gray		Front marker light LH
F11	3	Black		Headlight LH
F12	1 x 2	★		Horn
F14	2	★		Side turn signal light LH
F15	3	Gray		A/C compressor
F16	1 x 2	★		Generator
F17	2	Gray		
F18	4	Black		SBF holder
F19	4	Black		A/C fuse (Relay holder)
F20	4	Black		A/C sub fan relay-2 (Relay holder)
F21	4	Black		A/C main fan relay (Relay holder)
F22	4	Black		A/C sub fan relay-1 (Relay holder)
F23	4	Black		A/C relay (Relay holder)
F24	2	Green		Front washer motor
F25	3	★		M/B
F26	2	Black		
F27	1	Brown		
F28	8	★		
F29	2	Black		
F30	8	★	B49	Bulkhead wiring harness
F31	16	★	B50	
F32	3	Orange		A/C diode
F33	6	Black	i6	Instrument panel wiring harness
F34	10	Gray		F/B
F35	3	Gray		
F36	5	Gray		
F38	2	Black		Horn condenser
F39	2	Black		Front fog light RH
F40	2	Blue	B83	Bulkhead wiring harness
F41	13	★	P1	Power window main harness
F42	2	★		Side turn signal light RH
F43	12	Black		Hydraulic unit
F44	2	Black		Front fog light LH

★: Non-colored

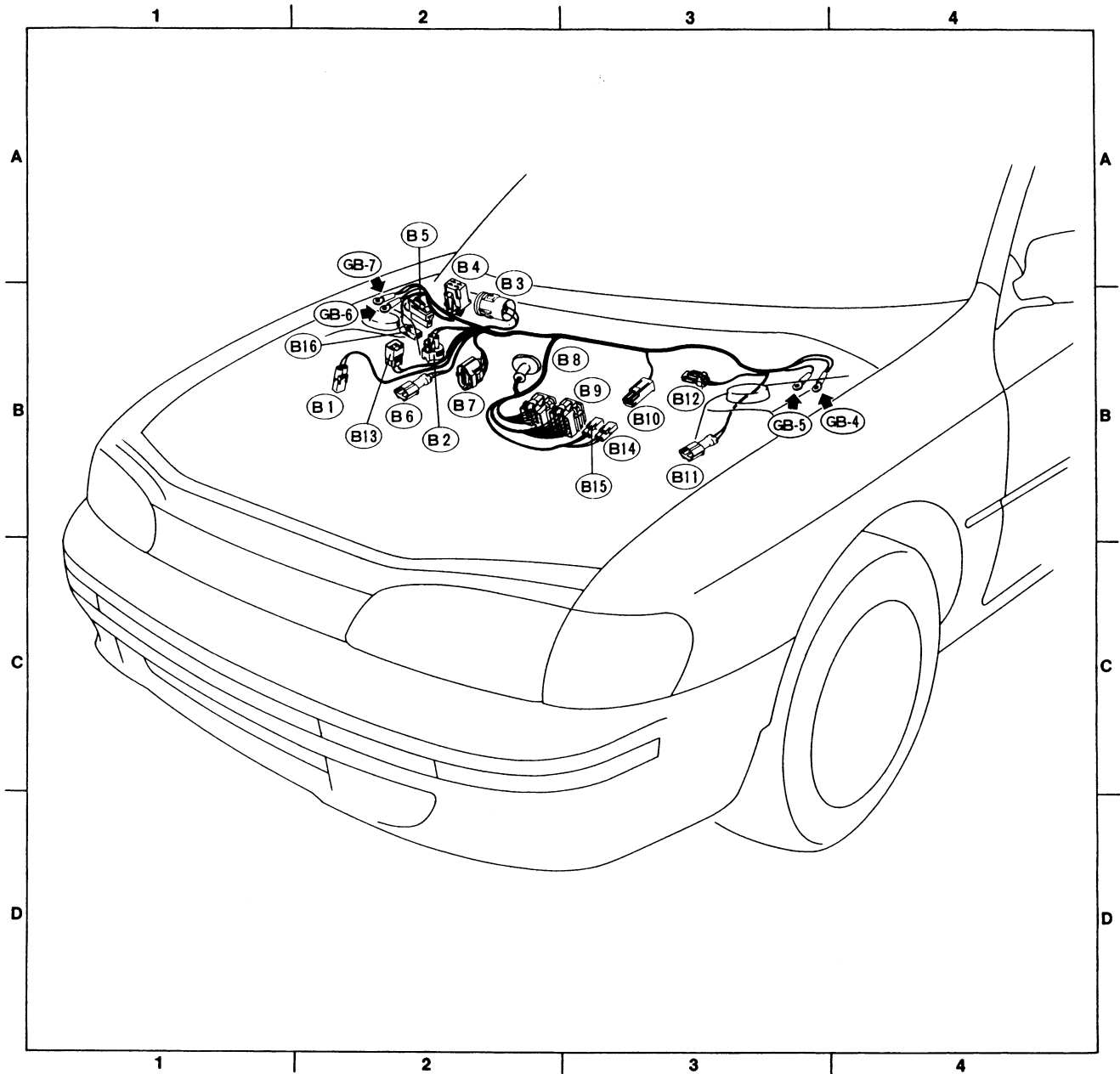
### 1. FRONT WIRING HARNESS AND GROUND POINT



H6M0354

Connector			Connecting to	
No.	Pole	Color	No.	Name
B1	2	Gray		AT dropping resistor
B2	2	Gray		A/C pressure switch
B3	5			Front wiper motor
B4	4	Blue		A/C cut relay
B5	2			FWD switch (AT)
B6	2	Gray		A.B.S. front sensor RH
B7	4	Gray		Cruise control actuator
B8	12	Gray	T3	Transmission (AT)
B9	16	Gray	T4	
B10	1	Black		Starter (Magnet)
B11	2	Gray		A.B.S. front sensor LH
B12	2	Gray		Brake fluid level switch
B13	2	Black		A.B.S. G sensor (MT)
B14	2	Brown	T2	Neutral position switch (MT)
B15	2	Gray	T1	Back-up light switch (MT)
B16	2	Gray	T1	Resistor (DRL)

### 2. BULKHEAD WIRING HARNESS AND GROUND POINT (IN ENGINE ROOM)



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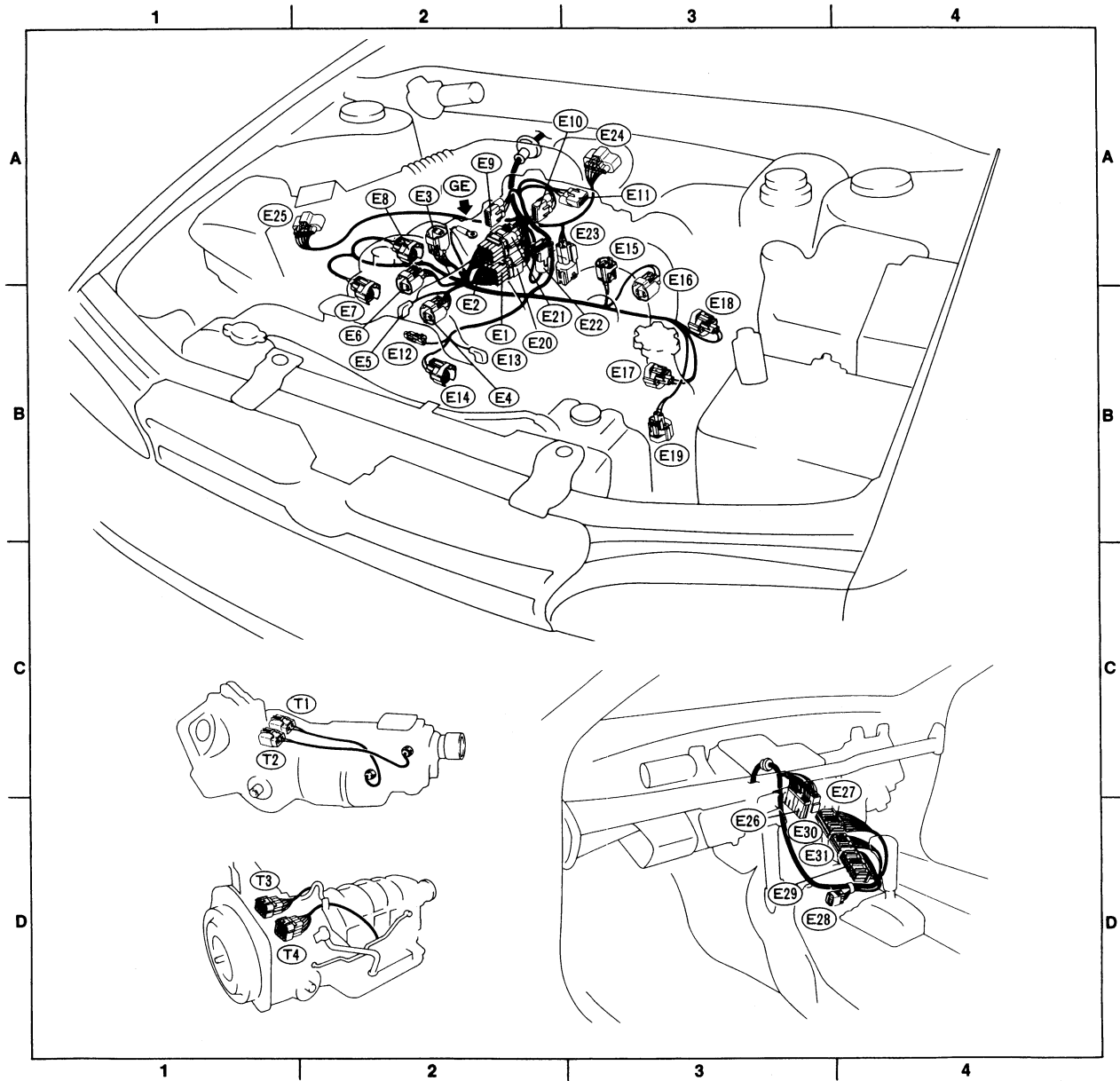
Connector			Connecting to	
No.	Pole	Color	No.	Name
E1	16	Gray	E20	Engine module wiring harness
E2	14	Gray	E21	
E3	2	Gray		Air suction solenoid valve (California)
E4	2	Brown		Engine coolant temperature sensor
E5	1	★		Thermometer
E6	2	Blue		Purge control solenoid valve
E7	2	Gray		Injector #1
E8	2	Gray		Injector #3
E9	3	Gray		Ignition coil
E10	3	Gray		Throttle position sensor
E11	3	Gray		Idle air control solenoid
E12	1	Gray		Power steering oil pressure switch
E13	1	★		Oil pressure switch
E14	2	Gray		Crankshaft position sensor
E15	2	Black		Recirculation gas temperature sensor (California)
E16	2	Brown		EGR solenoid valve
E17	2	Gray		Injector #2
E18	2	Gray		Injector #4
E19	2	Gray		Camshaft position sensor
E20	16	Gray	E1	Engine wiring harness
E21	16	★	E2	
E22	2	Gray		FICD solenoid
E23	4	Gray		Oxygen sensor
E24	6	Gray		Ignitor
E25	5	Gray		Mass air flow meter
E26	20	★	B74	Bulkhead wiring harness
	24	★	B74	Bulkhead wiring harness (California model)
E27	8	★	B73	Bulkhead wiring harness
E28	6	★		Shield joint connector
E29	26	Light blue		Engine control module
E30	22	Light blue		
E31	16	Light blue		

Connector			Connecting to	
No.	Pole	Color	No.	Name
T1	2	Gray	B15	Bulkhead wiring harness (MT)
T2	2	Brown	B14	
T3	12	Gray	B8	Bulkhead wiring harness (AT)
T4	16	Gray	B9	

★: Non-colored



### 3. ENGINE WIRING HARNESS · TRANSMISSION CORD AND GROUND POINT (1800 cc engine model)



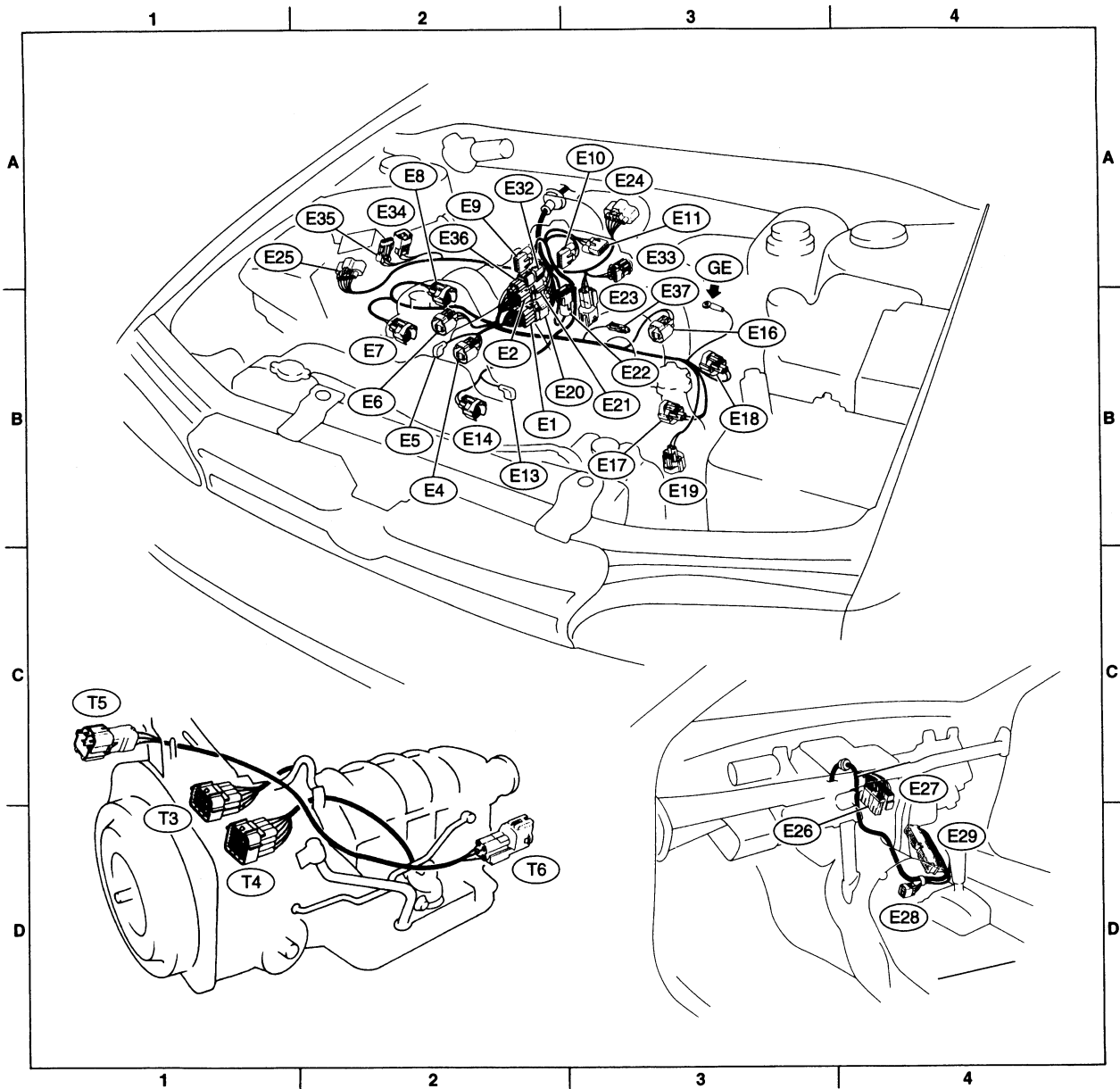
Connector			Connecting to	
No.	Pole	Color	No.	Name
E1	16	Gray	E20	Engine module wiring harness
E2	12	Gray	E21	
E4	2	Brown		Engine coolant temperature sensor
E5	1	★		Thermometer
E6	2	Blue		Purge control solenoid valve
E7	2	Light gray		Injector #1
E8	2	Dark gray		Injector #3
E9	3	Gray		Ignition coil
E10	3	Brown		Throttle position sensor
E11	3	Gray		Idle air control solenoid
E13	1	★		Oil pressure switch
E14	2	Gray		Crankshaft position sensor
E16	2	Brown		E.G.R. solenoid valve
E17	2	Light gray		Injector #2
E18	2	Dark gray		Injector #4
E19	2	Dark gray		Camshaft position sensor
E20	16	Gray	E1	Engine wiring harness
E21	12	Gray	E2	
E22	2	Gray		FICD solenoid valve
E23	4	★		Front oxygen sensor
E24	6	Gray		Ignitor
E25	5	Gray		Mass air flow sensor
E26	24	★	B74	Bulkhead wiring harness
E27	8	★	B73	
E28	6	★		Shield joint connector
E29	96	Dark gray		Engine control module
E32	6	★	E36	Engine wiring harness

E33	4	Gray	T5	Rear oxygen sensor cord
E34	2	Brown		Pressure source switching solenoid
E35	3	Black		Pressure sensor
E36	6	★	E32	Engine module wiring harness
E37	1	Gray		Knock sensor

Connector			Connecting to	
No.	Pole	Color	No.	Name
T3	12	Gray	B8	Bulkhead wiring harness
T4	16	Gray	B9	
T5	4	Gray	E33	Engine module wiring harness
T6	4	Gray		Rear oxygen sensor

★: Non-colored

### 4. ENGINE WIRING HARNESS · TRANSMISSION CORD AND GROUND POINT (2200 cc engine model)



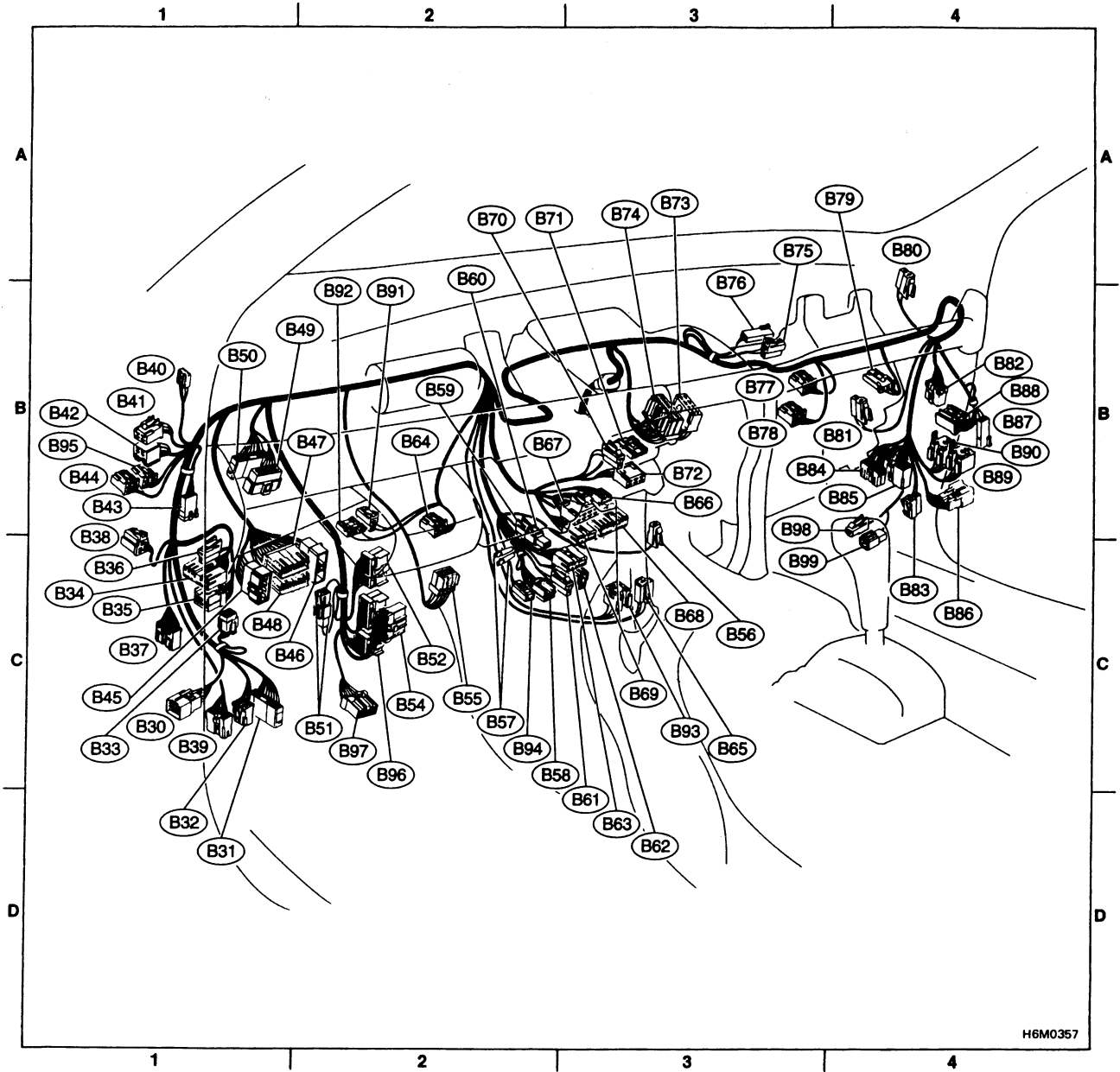
## 6. Electrical Wiring Harness and Ground Point

Connector			Connecting to	
No.	Pole	Color	No.	Name
B30	13	★	D1	Front door cord LH
B31	16	Black	P8	Power window main harness
B32	4	★	P7	
B33	6	★		Shield joint connector (A.B.S.)
B34	11	Gray		F/B
B35	12	Gray		
B36	2	Brown		F/B illumination light
B37	14	Gray		Check connector
B38	3	Black		Horn relay
B39	7	Yellow		SRS (Airbag) harness
B40	5	Black	R34	Sunroof cord
B41	4	Green		Fuel pump relay
B42	6	Brown		Main relay
B43	2	Black		Diode (A/C)
	4	Brown		Diode (A/C) (California model)
B44	4	★		Blower relay
B45	8	★	i1	Instrument panel wiring harness
B46	12	Black	i2 AT	
B47	20	★	i4	
B48	20	Blue	i3	
B49	8	★	F30	Front wiring harness LH
B50	16	★	F31	
B51	1 x 2	★		Twist joint connector (AT)
B52	16	Black		Transmission control module
B53	20	Black		
B54	20	★		Cruise control module
B55	12	Black		AT shift lock control module
B56	1	Blue	i8	Instrument panel wiring harness
B57	1 x 2	★		Diagnosis terminal (Ground)
B58	6	Black		Diagnosis connector (Airbag model)
B59	1	Black	B60	Read memory connector (Transit connector)
B60	1	Black	B59	Normally disconnected
B61	2	Green	B62	Test mode connector
B62	2	Green	B61	Normally disconnected
B63	9	Yellow		Date link connector
B64	4	Black		Stop and brake switch (With cruise control)
	2	Black		Stop light switch
B65	3	Black		Turn & hazard unit
B66	5	Black		Cruise control sub switch

Connector			Connecting to	
No.	Pole	Color	No.	Name
B67	8	★		Combination switch (Lighting switch)
B68	11	★		Combination switch
B69	9	★		Combination switch
B70	2	Black		Key warning switch
B71	2	Black		Key lock solenoid
B72	6	Black		Ignition switch
B73	8	★	E27	Engine module wiring harness
B74	20	★	E26	Engine module wiring harness
	24	★	E26	Engine module wiring harness (California and 2200 cc model)
B75	2	Black		Horn condenser
B76	2	Black		Diode (Lighting)
B77	4	Brown		Evaporator thermoswitch
B78	4	★		Blower motor resistor
B79	4	★		FRESH/RECIRC actuator
B80	2	Green	R32	Room light cord
B81	2	★		Blower motor
B82	8	★		Door lock timer
B83	2	Blue	F40	Front wiring harness RH (With A.B.S. model)
B84	12	Black	R2	Rear wiring harness
B85	16	Blue	R1	
B86	13	★	D8	Front door cord RH
B87	2	Black		Diode (Daytime running light) (Canada model)
B88	10	★		Daytime running light control module (Canada model)
B89	4	Blue		Daytime running light HI beam relay (Canada model)
B90	5	Black		Daytime running light relay (Canada model)
B91	2	★		Clutch switch (MT)
B92	2	Blue		Clutch switch (MT — cruise control)
B93	4	Blue		Starter interlock relay (MT)
B94	2	Black		Check connector (A.B.S.)
B95	4	Black		Front fog light relay
B96	12	Black		Transmission control module (2200 cc model)
B97	16	Gray		OBD-II service connector (2200 cc model)
B98	1	Green		Test mode connector
B99	1	Green		(2200 cc model)

★: Non-colored

### 5. BULKHEAD WIRING HARNESS (IN COMPARTMENT)



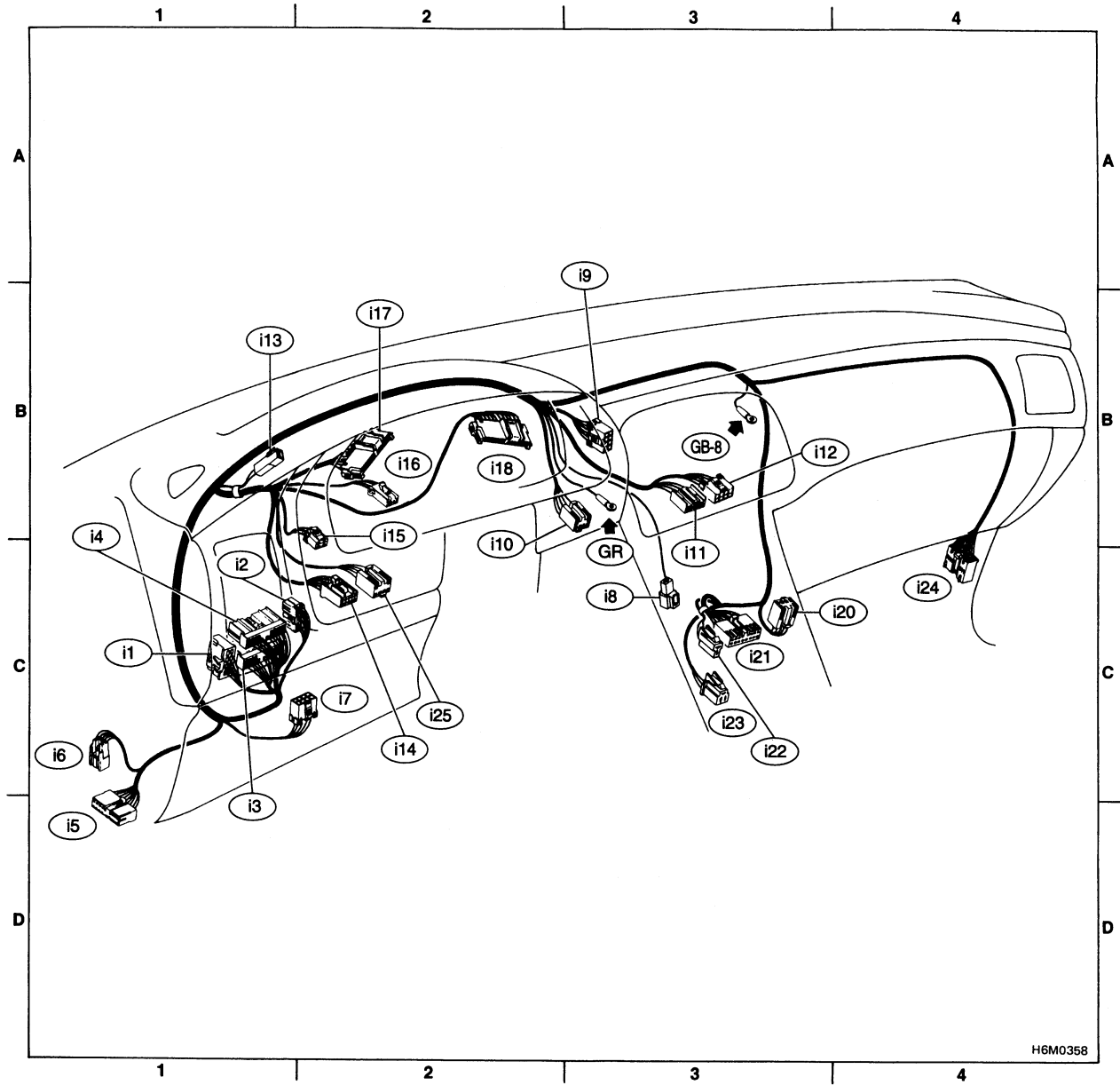
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Connector			Connecting to	
No.	Pole	Color	No.	Name
i1	8	★	B45	Bulkhead wiring harness
i2	12	Black	B46 AT	
i3	20	Blue	B48	
i4	20	★	B47	
i5	15	Gray		F/B
i6	6	Black	F33	Front wiring harness LH
i7	8	★		Seat belt timer
i8	1	Blue	B56	Bulkhead wiring harness
i9	8	★		Hazard switch
i10	6	Brown		Cruise control main switch
i11	6	★		Fan switch
i12	8	★		Mode control panel
i13	2	Black		Diode (Seat belt)
i14	10	★		Remote control rearview mirror switch
i15	4	★		Rear defogger switch
i16	4	★		Combination meter (Airbag warning)
i17	16	Gray		Combination meter
i18	16	Gray		
i20	6	Black		Illumination control module
i21	14	★		Radio
i22	2	★		CD illumination light
i23	3	★		Cigarette lighter
i24	16	★	R3	Rear wiring harness
i25	6	★		Front fog light switch

★: Non-colored

### 6. INSTRUMENT PANEL WIRING HARNESS AND GROUND POINT



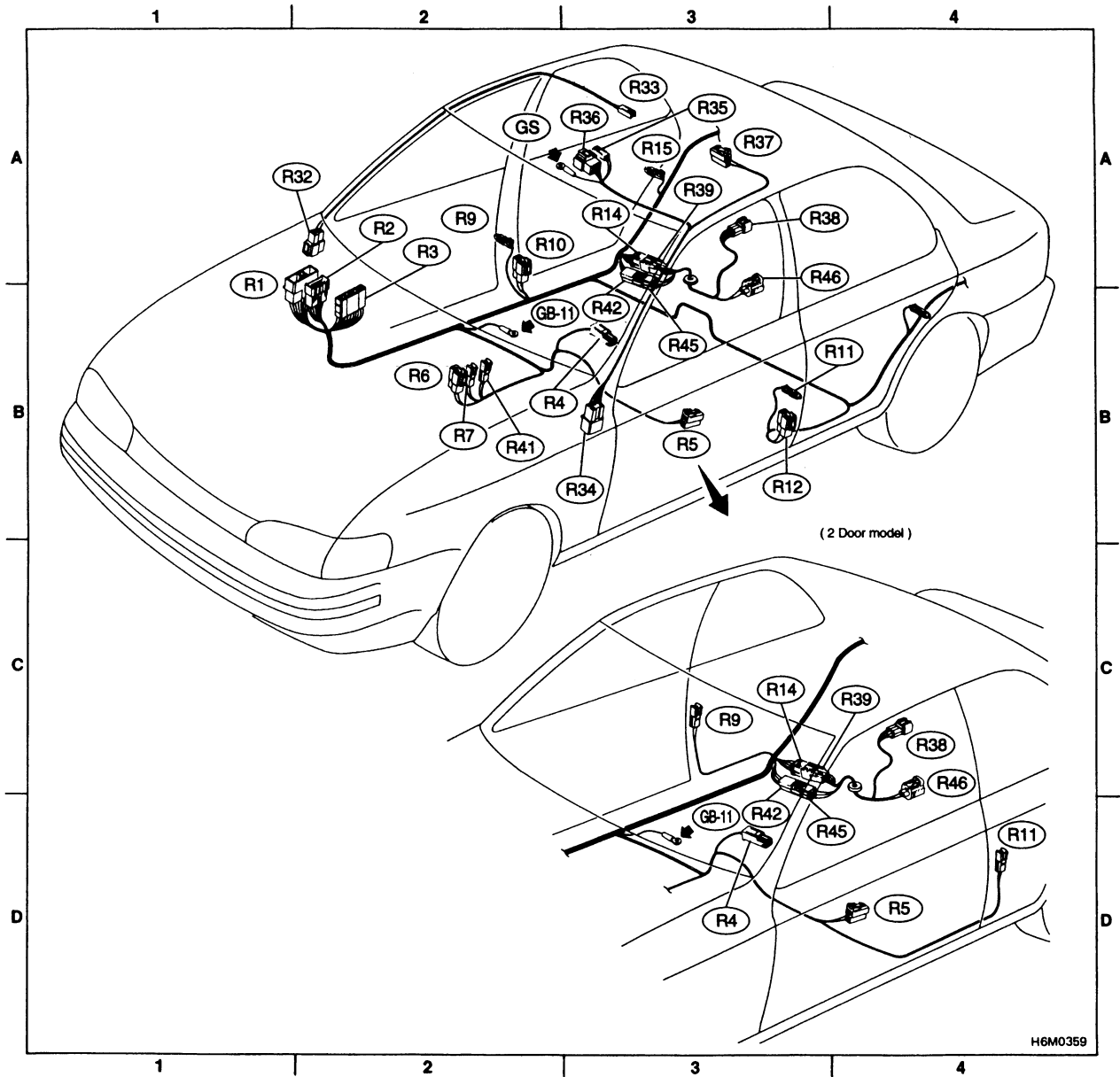
H6M0358

Connector			Connecting to	
No.	Pole	Color	No.	Name
R1	16	Blue	B85	Bulkhead wiring harness
R2	12	Black	B84	
R3	16	★	i24	Instrument panel wiring harness
R4	1	Black		Parking brake switch
R5	2	★		Seat belt switch
R6	2	★		Select lever illumination light (AT)
R7	2	Black		Shift lock solenoid (AT)
R9	1	Brown		Front door switch RH
R10	2	Pink	D18	Rear door cord RH
R11	1	Brown		Front door switch LH
R12	2	Pink	D15	Rear door cord LH
R13	1	Brown		Rear door switch LH
R14	6	Black	R39	Fuel tank cord
R15	1	Brown		Rear door switch RH
R32	2	Green	B80	Bulkhead wiring harness
R33	2	★		Room light
R34	5	Black	B40	Bulkhead wiring harness
R35	2	★		Spot light
R36	4	★		Sunroof switch
R37	2	★		Sunroof motor
R38	6	★		Fuel gauge unit
R39	6	Black	R14	Rear wiring harness
R41	2	★		Park position switch (AT)
R42	4	★	R45	Fuel tank cord (California model)
R45	4	★	R42	Rear wiring harness (California model)
R46	2	Black		Pressure control solenoid valve (California model)

★: Non-colored



### 7. REAR WIRING HARNESS AND GROUND POINT

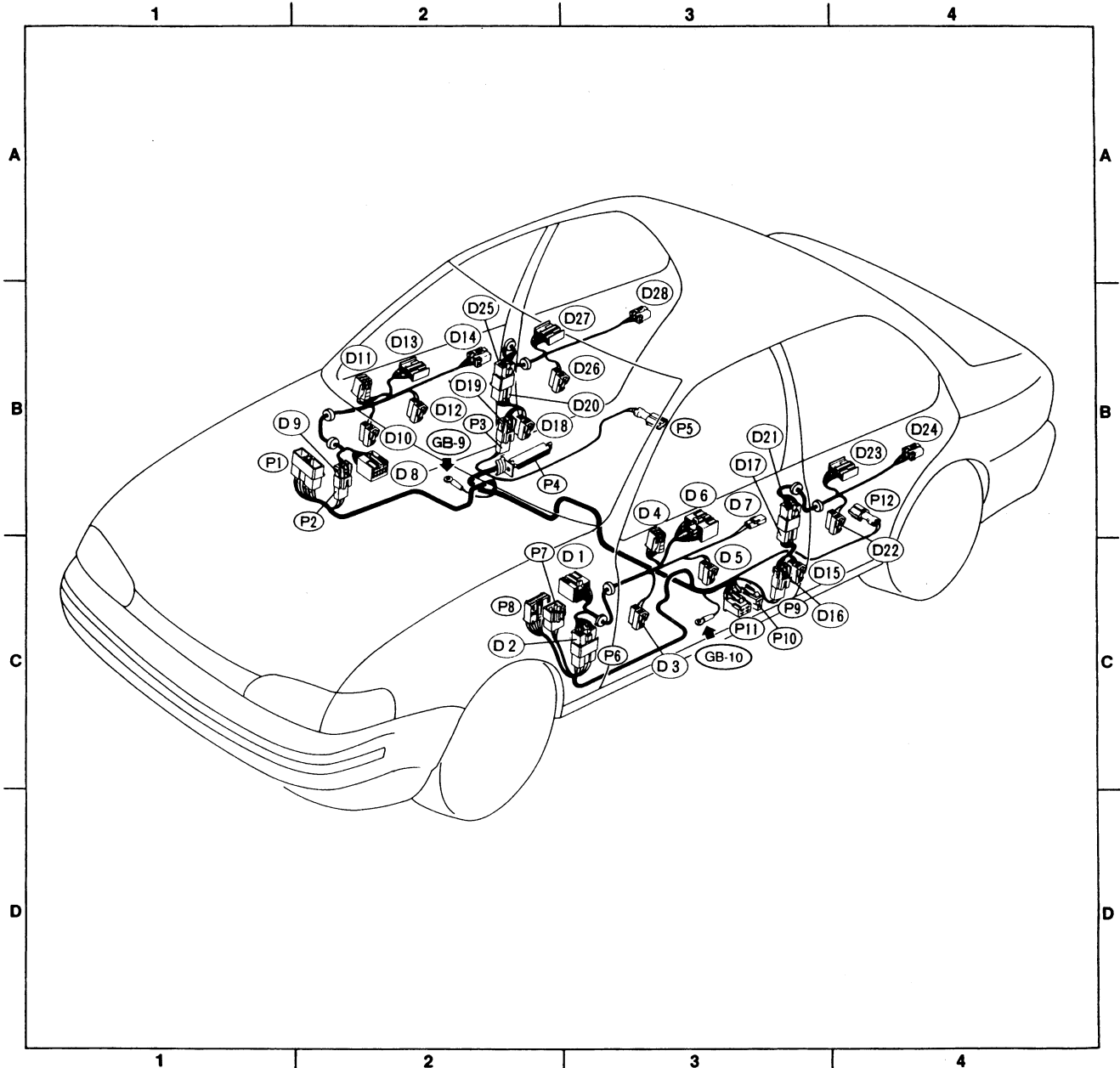


H6M0359

Connector			Connecting to	
No.	Pole	Color	No.	Name
P1	13		F41	Front wiring harness RH
P2	3		D9	Front door cord RH
P3	3		D19	Rear door adapter cord RH
P4	35	Blue		A.B.S. control module
P5	2	Gray		Rear A.B.S. sensor RH
P6	9		D2	Front door cord LH
P7	4		B32	Bulkhead wiring harness
P8	16	Black	B31	
P9	3		D16	Rear door adapter cord LH
P10	2			Power window circuit breaker
P11	4			Power window and sunroof relay
P12	2	Gray		Rear A.B.S. sensor LH

Connector			Connecting to	
No.	Pole	Color	No.	Name
D1	13		B30	Bulkhead wiring harness
D2	9		P6	Power window main harness
D3	2			Front speaker LH
D4	6			Remote control rearview mirror LH
D5	2	Green		Front power window motor LH
D6	14			Power window main switch
D7	2	Gray		Front door lock switch LH
D8	13		B86	Bulkhead wiring harness
D9	3		P2	Power window main harness
D10	2			Front speaker RH
D11	6			Remote control rearview mirror RH
D12	2	Green		Front power window motor RH
D13	5			Front power window sub switch RH
D14	4			Front door lock actuator RH
D15	2	Pink	R12	Rear wiring harness
D16	3		P9	Power window main harness
D17	5		D21	Rear door cord LH
D18	2	Pink	R10	Rear wiring harness
D19	3		P3	Power window main harness
D20	5		D25	Rear door cord RH
D21	5		D17	Rear door adapter cord LH
D22	2	Green		Rear power window motor LH
D23	5			Rear power window sub switch LH
D24	4			Rear door lock actuator LH
D25	5		D20	Rear door adapter cord RH
D26	2	Green		Rear power window motor RH
D27	5			Rear power window sub switch RH
D28	4			Rear door lock actuator RH

### 8. POWER WINDOW MAIN HARNESS, DOOR CORD AND GROUND POINT

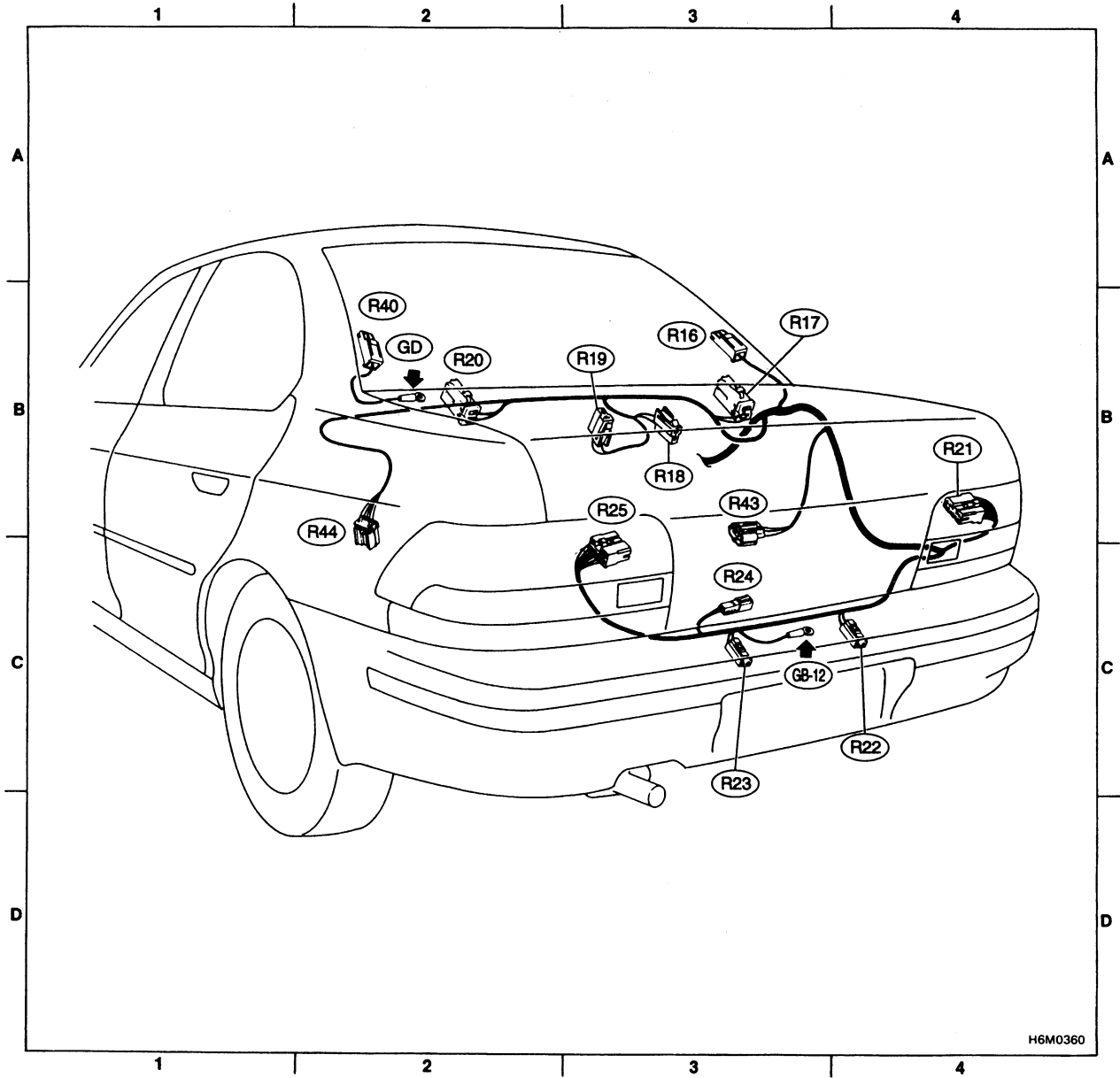


G6M0226

Connector			Connecting to	
No.	Pole	Color	No.	Name
R16	1	Black		Rear defogger (Power)
R17	2	Black		Rear speaker RH
R18	2	Black		Trunk room light
R19	2	★		High-mount stop light
R20	2	Black		Rear speaker LH
R21	7	★		Rear combination light RH
R22	2	★		License plate light RH
R23	2	★		License plate light LH
R24	2	★		Trunk room light switch
R25	7	★		Rear combination light LH
R40	1	Black		Rear defogger (Ground)
R43	3	★		Fuel tank pressure sensor (California model)
R44	6	★		Power antenna

★: Non-colored

### 9. REAR END WIRING HARNESS AND GROUND POINT OF SEDAN



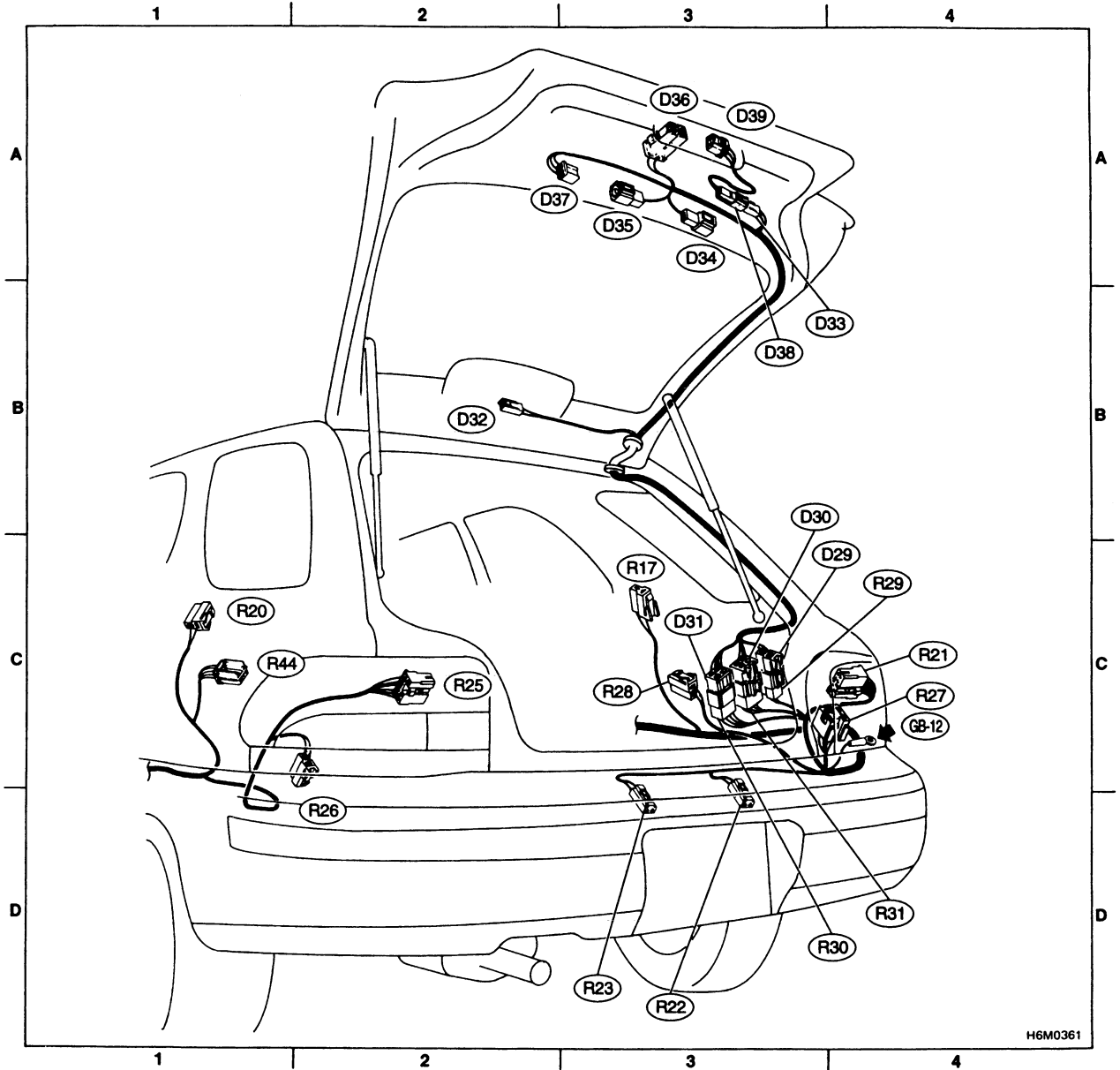
H6M0360

Connector			Connecting to	
No.	Pole	Color	No.	Name
R17	2	★		Rear speaker RH
R20	2	★		Rear speaker LH
R21	7	★		Rear combination light RH
R22	2	★		License plate light RH
R23	2	★		License plate light LH
R25	7	★		Rear combination light LH
R26	2	Green		Rear washer motor
R27	5	Black		Rear wiper relay
R28	2	★		Luggage room light
R29	2	★	D29	Rear gate cord
R30	4	★	D31	
R31	4	★	D30	
R44	6	★		Power antenna

Connector			Connecting to	
No.	Pole	Color	No.	Name
D29	2	★	R29	Rear wiring harness
D30	4	★	R31	
D31	4	★	R30	
D32	2	★		High-mount stop light
D33	2	★	D38	Rear gate lock adapter cord
D34	1	★		Rear defogger (Power)
D35	1	★		Rear defogger (Ground)
D36	2	★		Rear gate latch switch
D37	4	★		Rear wiper motor
D38	2	★	D33	Rear gate cord
D39	4	★		Rear gate lock actuator

★: Non-colored

### 10. REAR END WIRING HARNESS AND GROUND POINT OF WAGON



H6M0361