

2. Basic Diagnostics Procedures

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

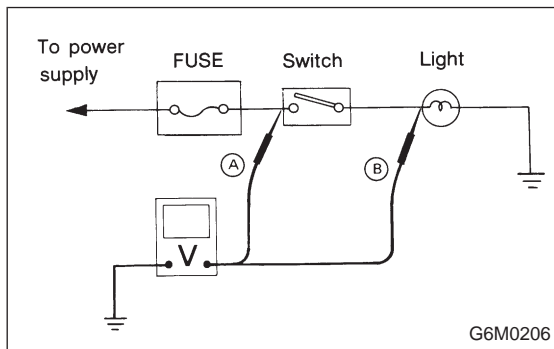
Look at the wiring diagram and check the system's circuit. Then check the switch, relay, fuse, ground, etc.

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

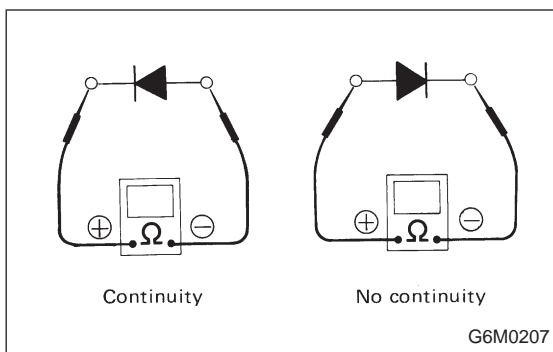
- 1) Using a voltmeter, connect the negative lead to a good ground point or negative battery terminal and the positive lead to the connector or component terminal.
- 2) Contact the positive probe of the voltmeter on connector (A).

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.

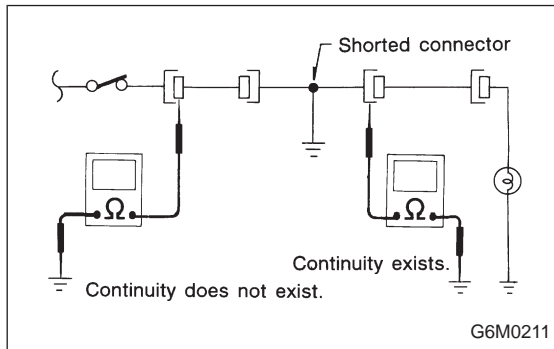
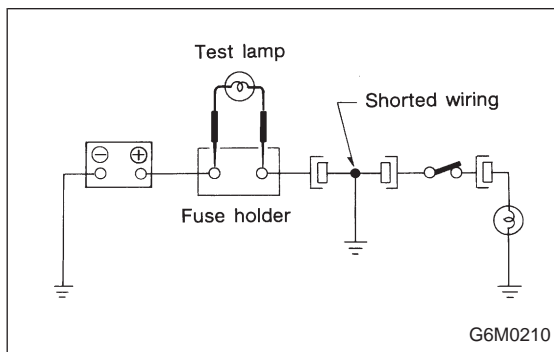
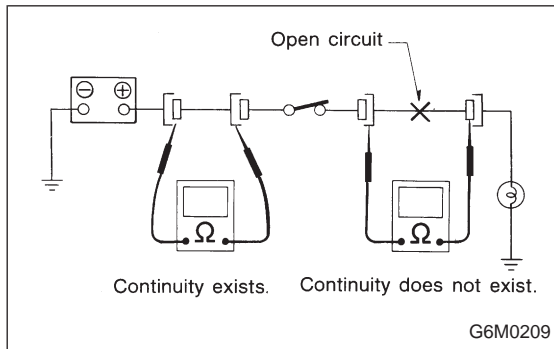
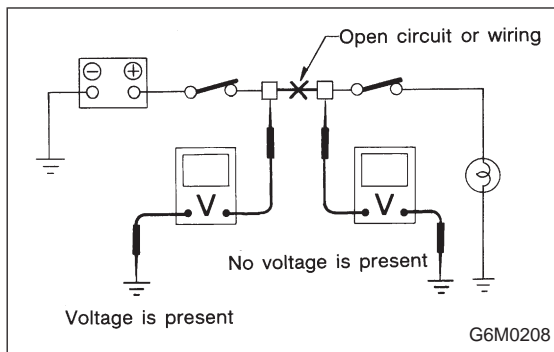
2) Use an ohmmeter to check for diode continuity.

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	1	2	3	4	5	6
Switch Position						
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 SHORT-CIRCUIT

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.

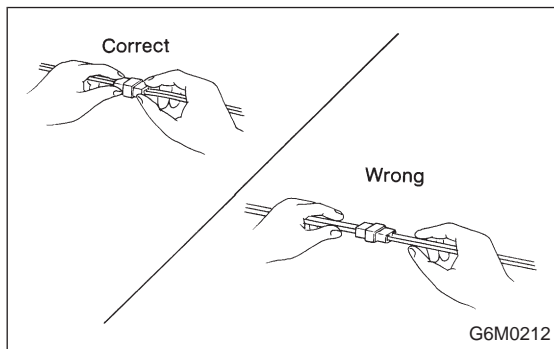
3. Working Precautions

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

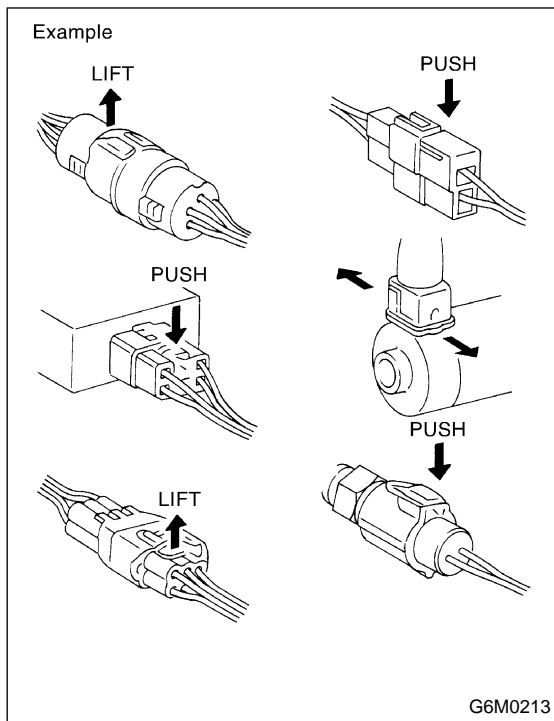
- 1) When working under a vehicle which is jacked-up, always be sure to use safety stands.
- 2) The parking brake must always be applied during working. Also, in automatic transmission vehicles, keep the select lever set to the P (Parking) range.
- 3) Be sure the workshop is properly ventilated when 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.

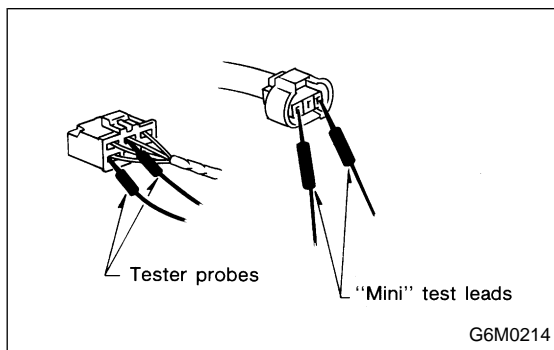


- 4) When disconnecting a connector, do not pull the wires, but pull while holding the connector body.



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.



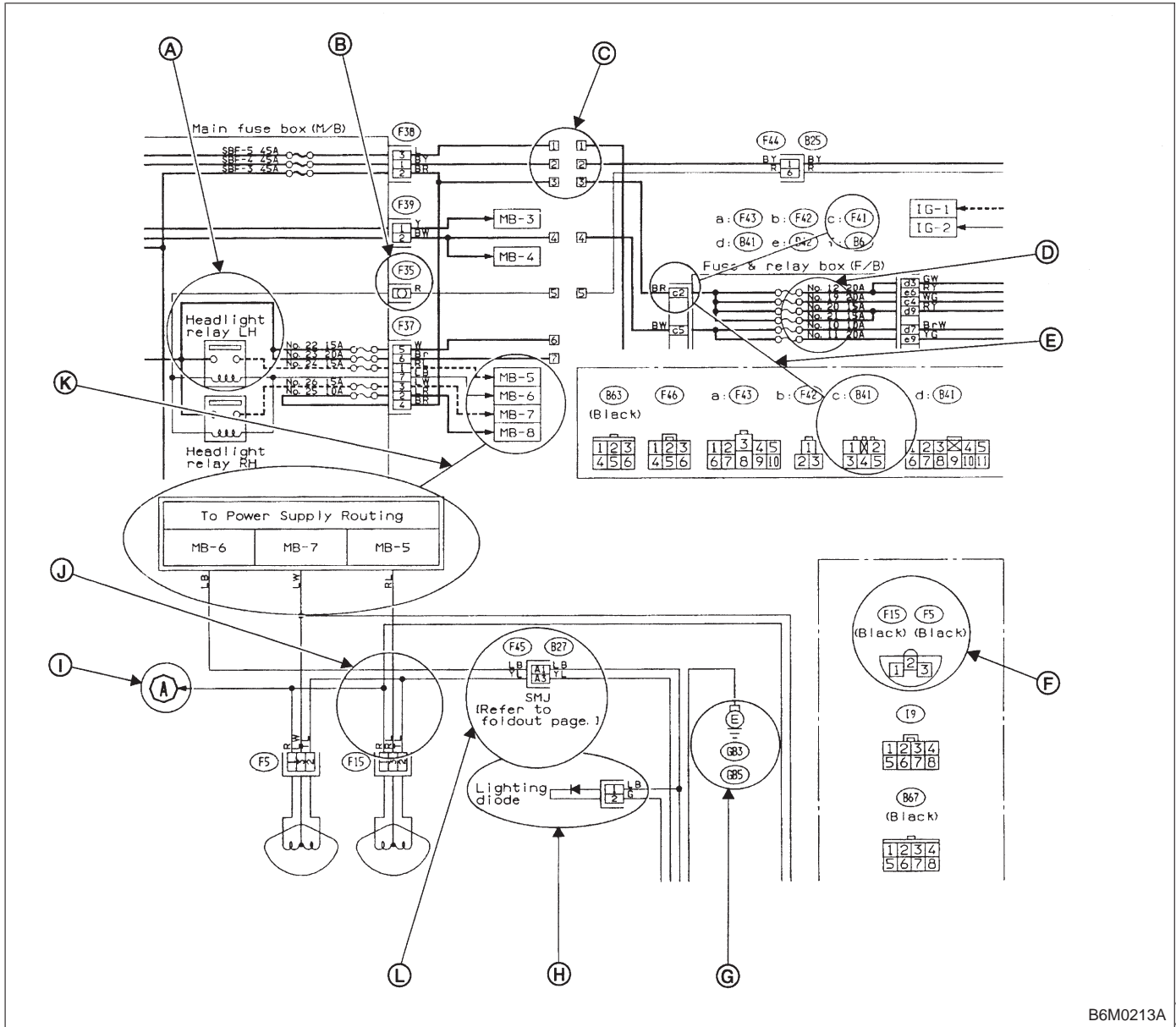
6) When checking continuity between connector terminals, or measuring voltage across the terminal and ground, always contact tester probe(s) on terminals from the wiring connection side. If the probe is too thick to gain access to the terminal, use "mini" test leads.

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.

4. How to Use Wiring Diagram



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 that used in the fuse box (main fuse box, 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.

L: S.M.J.

A symbol is used to indicate the terminal arrangement of the super multiple junction. The S.M.J. is not shown in respective wiring diagrams but is indicated on the next page.

SYMBOLS AND ABBREVIATIONS

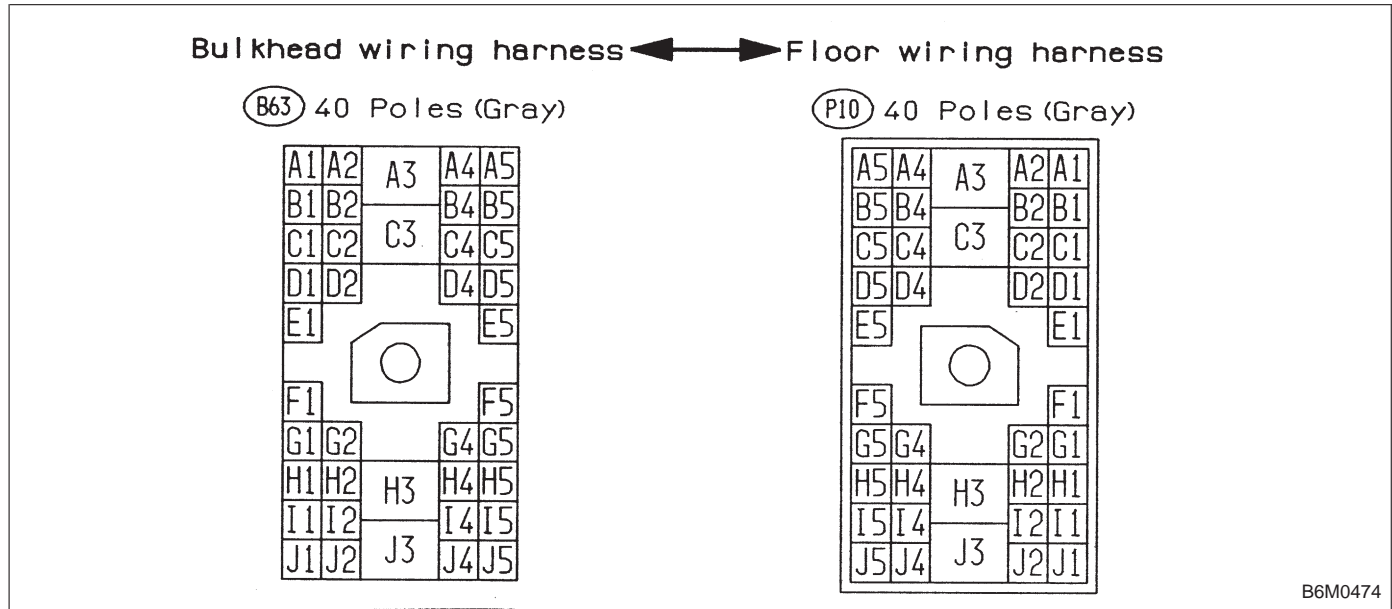
A number of symbols and abbreviations are used in each wiring diagram to easily identify parts or circuits.

5. How to Use Super Multiple Junction (S.M.J.)

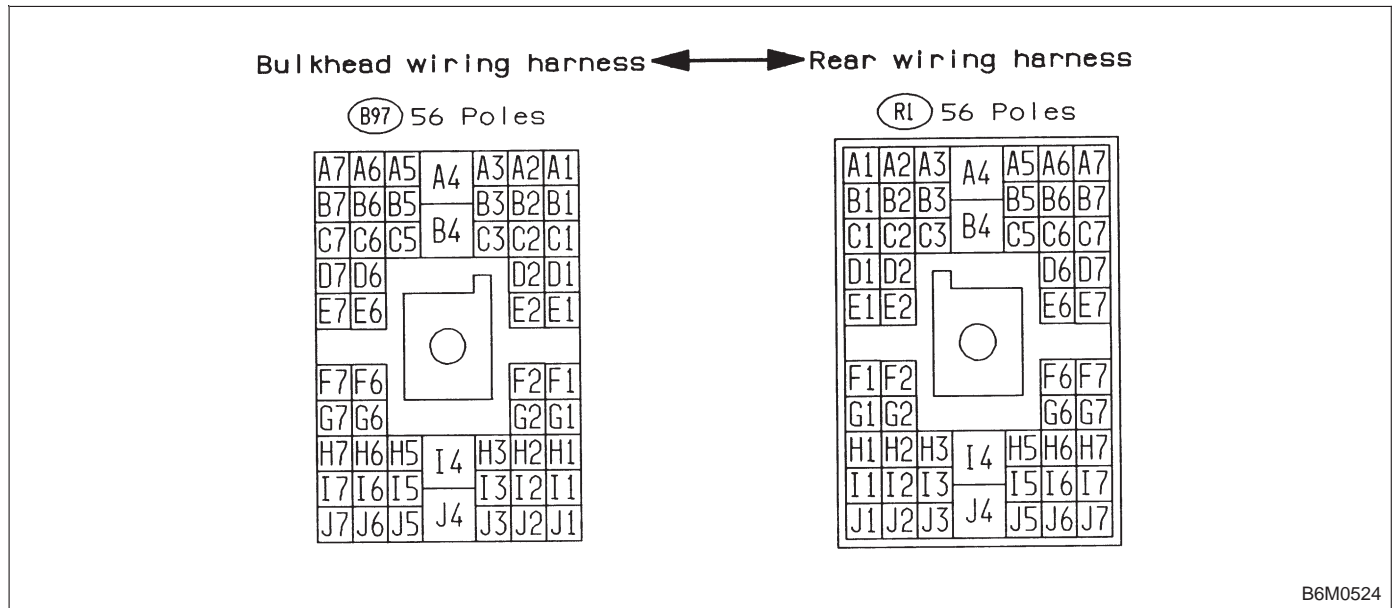
The "S.M.J." indicated in wiring diagrams is shown in a simplified form.

TERMINAL ARRANGEMENT

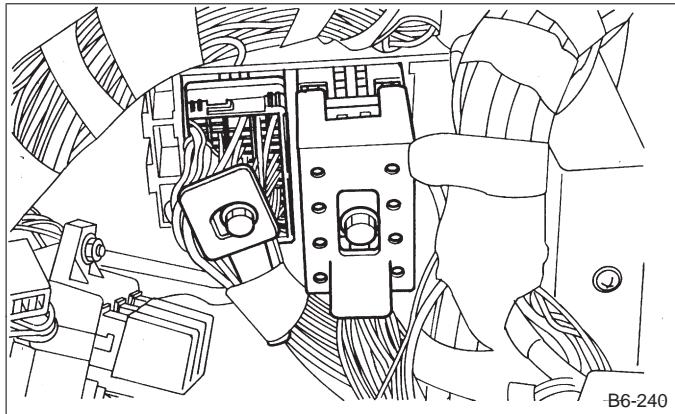
● LHD model



● RHD model



INSTALLATION



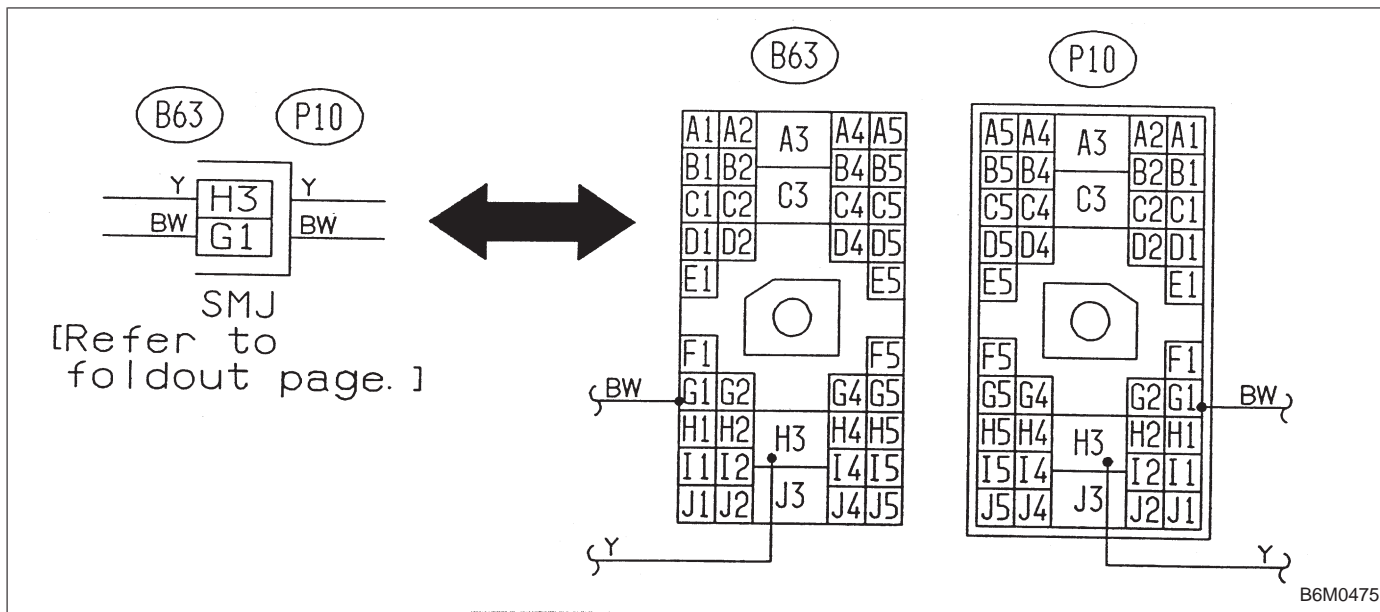
Tightening torque:

4.4 — 7.4 N·m (45 — 75 kg-cm, 39 — 65 in-lb)

NOTE:

- Align the cutout portion of one connector with that of other before tightening the connecting bolt.
- Do not tighten the bolt excessively since this may deform the connectors.

EXPLANATION OF S.M.J. SHOWN IN THE WIRING DIAGRAM



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 ²
IG	Ignition
Illumi.	Illumination

Abbr.	Full name
LH	Left Hand
Lo	Low
M	Motor
M/B	Main Fuse Box
MG	Magnet
Mi	Middle
OP	Optional Parts
PASS	Passing
RH	Right Hand
SBF	Slow Blow Fuse
S.M.J.	Super Multiple Junction
ST	Starter
SW	Switch
T.C.S.	Traction Control System
UP	Up
WASH	Washer

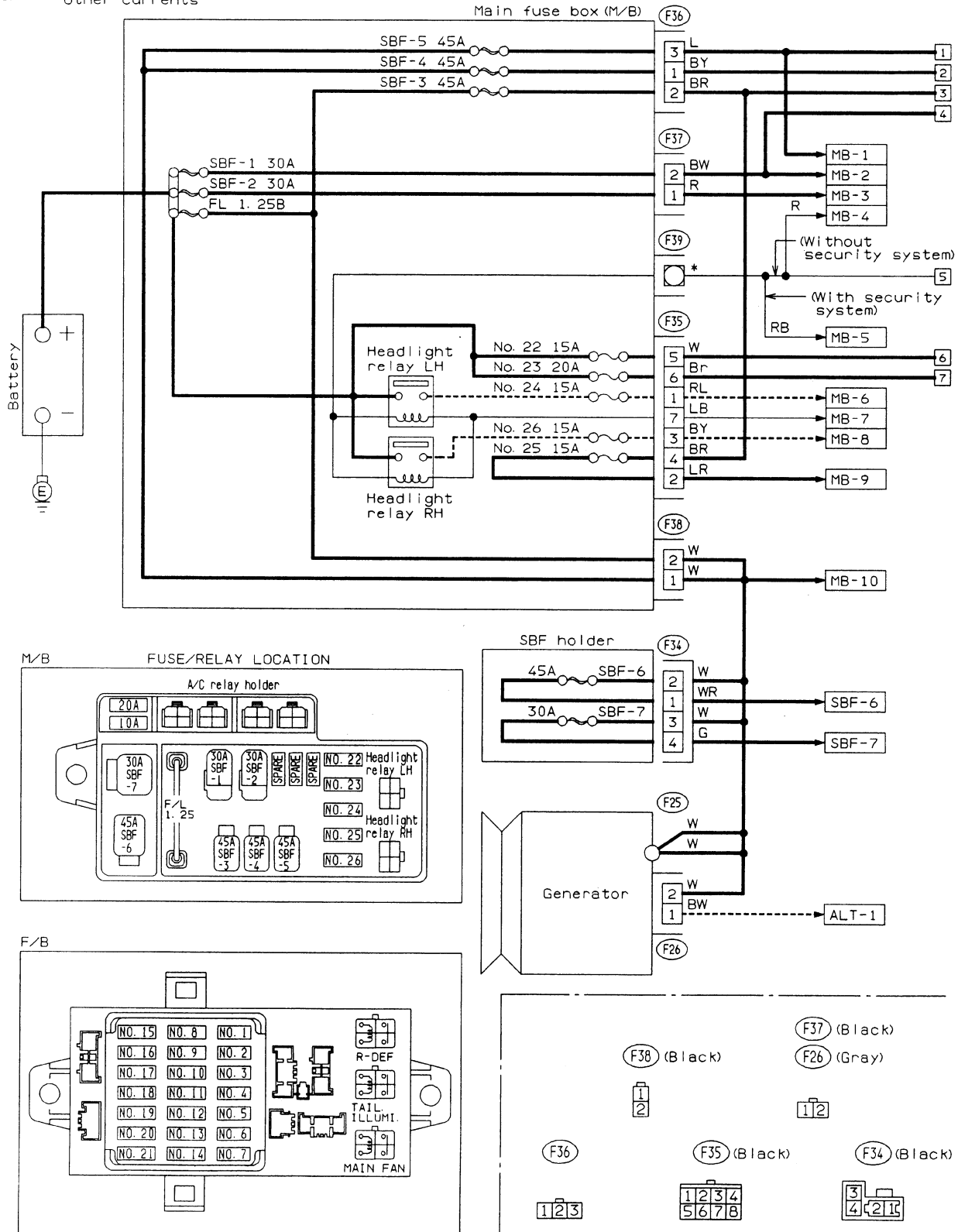
6. Wiring Diagram

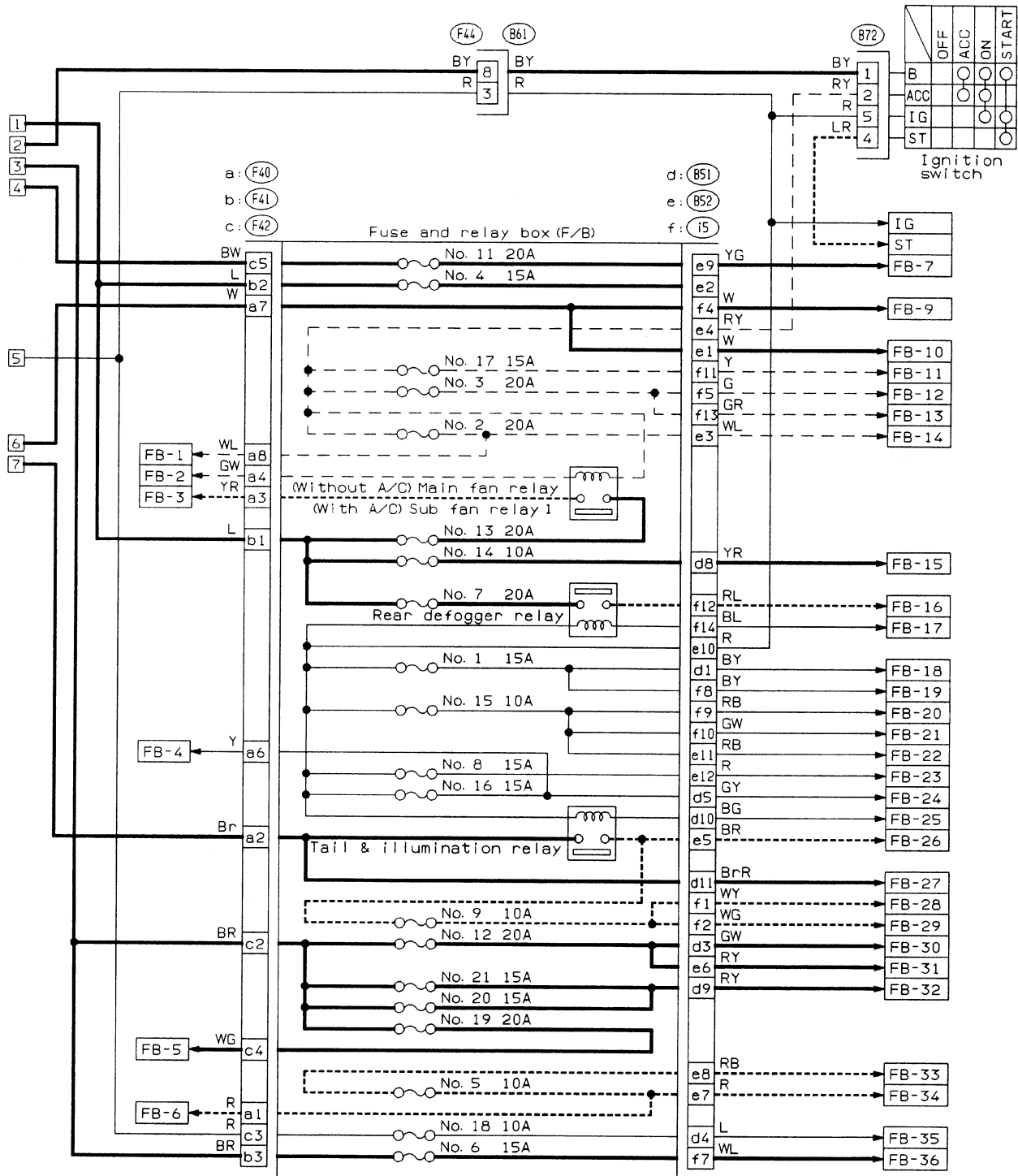
1. POWER SUPPLY ROUTING

● LHD model

- Battery current
- Current from ignition switch IG terminal
- - - Current from ignition switch ACC terminal
- Other currents

- *RB : With security system
- R : Without security system





- F44
 (Black)
 - B72
 (Black)
 - F40
 (Gray)
 - F41
 (Gray)
 - F42
 (Gray)
 - B51
 (Gray)
 - B52
 (Gray)
 - i5
 (Gray)
- | | | | |
|---|---|---|---|
| 1 | 2 | 3 | 4 |
| 5 | 6 | 7 | 8 |

1	2	3
4	5	6

1	2	3	4	5
6	7	8	9	10

1	
2	3

1	2	3	4	5	
6	7	8	9	10	11

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

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

6. Wiring Diagram

No.	Load
MB-1	Fuse holder (Rear power supply)
MB-2	Power window circuit breaker
MB-3	Engine control module Fuel pump relay Main relay OBD-II service connector
MB-4	A/C relay holder
MB-5	Headlight alarm relay (with security)
MB-6	Headlight LH
MB-7	Combination meter Daytime running light control module Diode (Lighting) Diode (Security) Lighting switch Luggage room light Room light Step light Trunk room light
MB-8	Combination meter Front fog light switch Headlight RH
MB-9	Door lock timer Headlight alarm relay Interrupt relay Radio Security control module Security indicator light Spot light
MB-10	A/C relay holder
SBF-6	Hydraulic unit (A.B.S.) T.C.S. motor relay
SBF-7	T.C.S. valve relay
ALT-1	Combination meter Daytime running light control module
IG	Headlight alarm relay
ST	Cruise control module Engine control module Inhibitor switch (AT) Interrupt relay Starter interlock relay (MT)
FB-1	Front washer motor Rear washer motor
FB-2	Diode (A/C)
FB-3	Sub fan motor Sub fan relay-2
FB-4	Engine control module Fuel pump relay Transmission control module
FB-5	Hydraulic unit (A.B.S.)
FB-6	Front clearance light LH Front clearance light RH Side marker light LH Side marker light RH

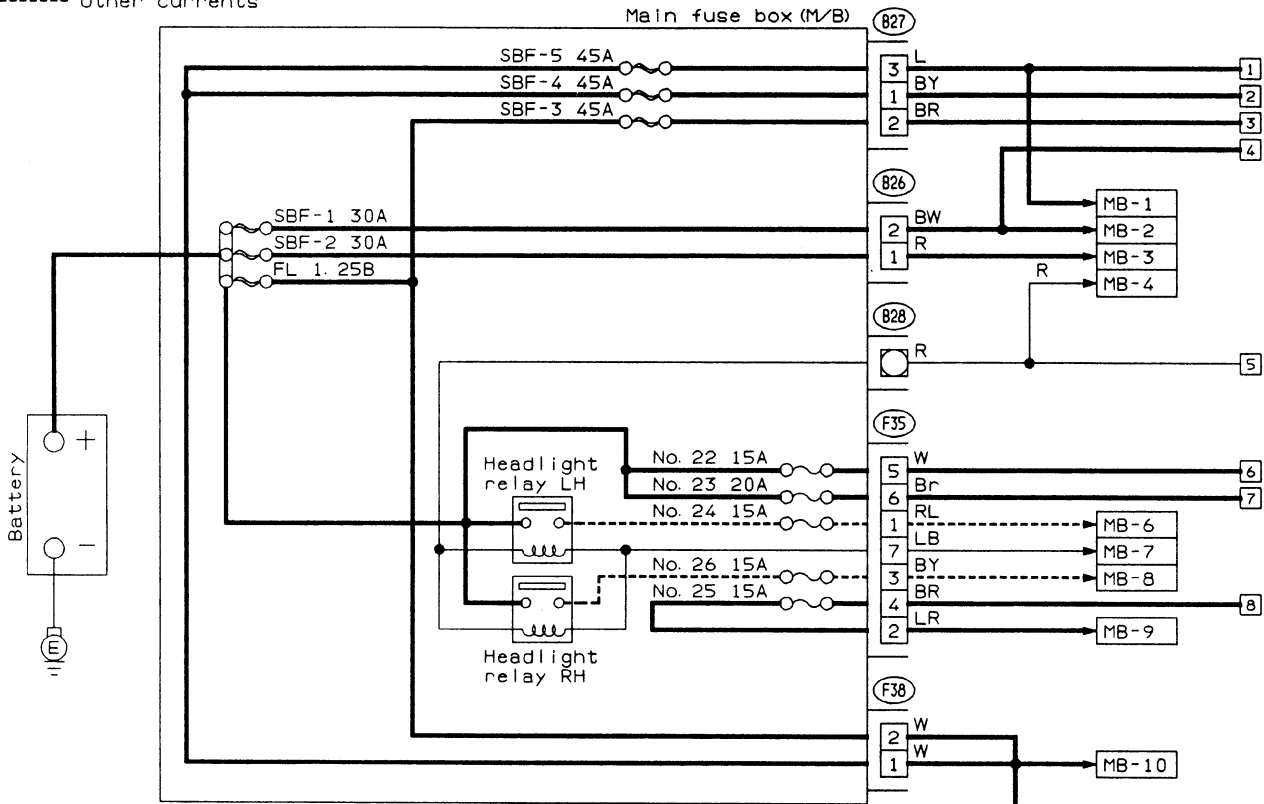
No.	Load
FB-7	Door lock timer
FB-9	Hazard switch
FB-10	AT shift lock control module Key warning switch Power antenna
FB-11	Radio
FB-12	Cigarette lighter
FB-13	Remote control rearview mirror switch Security control module Vanity mirror illumination light
FB-14	AT shift lock control module Combination switch Front wiper motor Rear wiper motor Rear wiper relay
FB-15	A.B.S./T.C.S. control module Transmission control module
FB-16	Rear defogger Rear defogger condenser Rear defogger switch
FB-17	Rear defogger switch
FB-18	AT shift lock control module Back-up light switch (MT) Inhibitor switch (AT)
FB-19	Hazard switch
FB-20	A/C switch Combination meter Mode control panel T.C.S. off switch
FB-21	Combination meter (Airbag)
FB-22	Blower motor relay Check connector Daytime running light control module Daytime running light relay FRESH/RECIRC actuator Hi-beam relay Power window and sunroof relay Seat belt timer
FB-23	Airbag control module
FB-24	Airbag control module
FB-25	Lighting switch
FB-26	Parking switch
FB-27	Parking switch
FB-28	Illumination light
FB-29	Illumination light
FB-30	Pedal stroke sensor Stop light switch Stop & brake switch
FB-31	Horn relay
FB-32	Blower motor relay
FB-33	Parking switch

No.	Load
FB-34	Rear combination light LH Rear combination light RH Rear finisher light LH Rear finisher light RH
FB-35	A.B.S. control module A.B.S. G sensor A.B.S./T.C.S. control module A.B.S./T.C.S. valve relay Cruise control main switch Cruise control module
FB-36	Front fog light relay

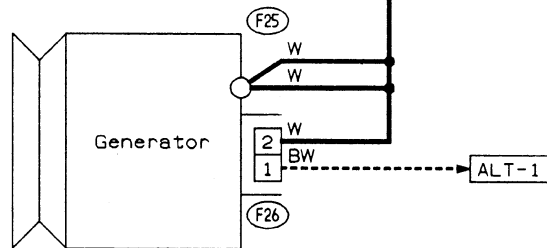
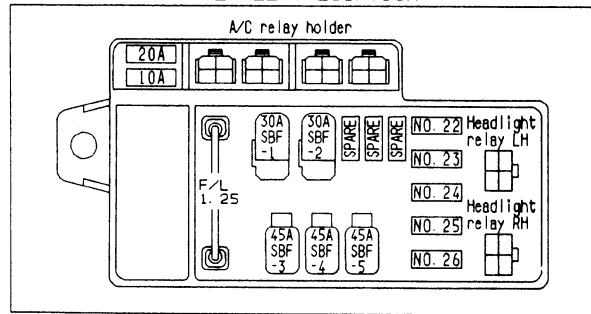
1. POWER SUPPLY ROUTING

● RHD model

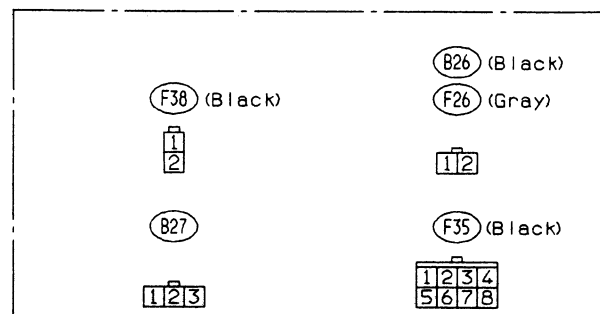
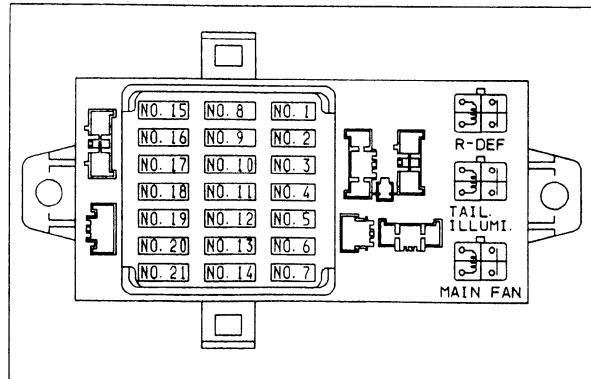
- Battery current
- Current from ignition switch IG terminal
- - - Current from ignition switch ACC terminal
- Other currents

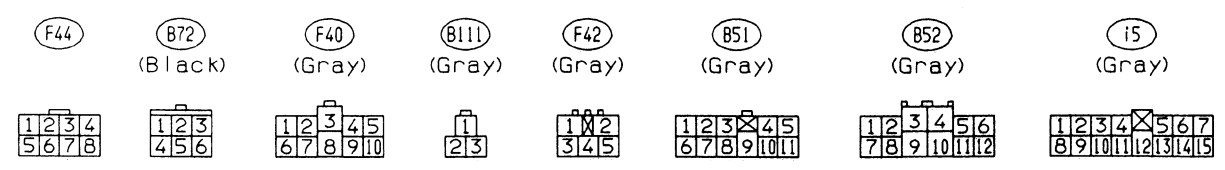
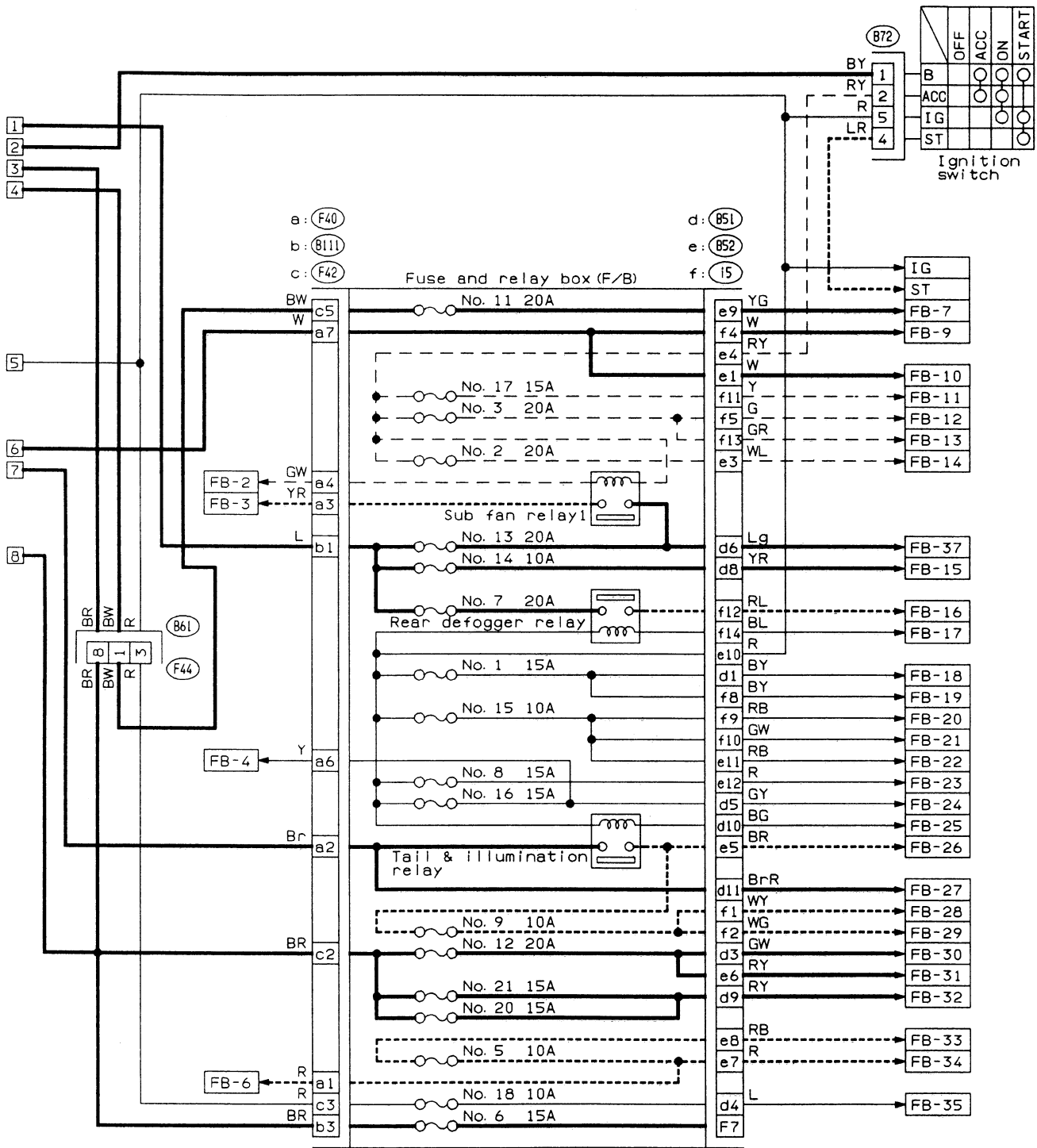


M/B FUSE/RELAY LOCATION



F/B





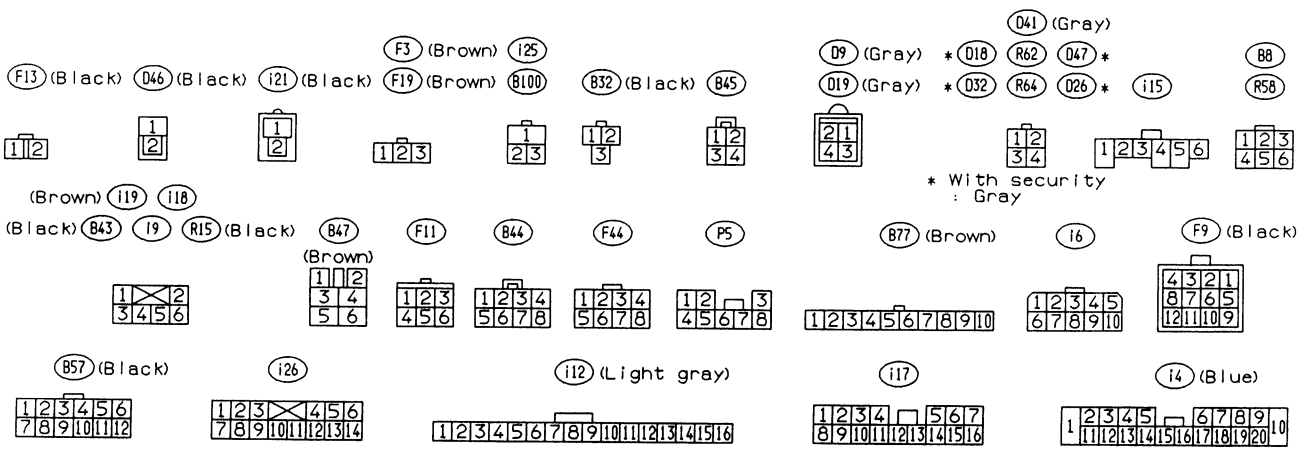
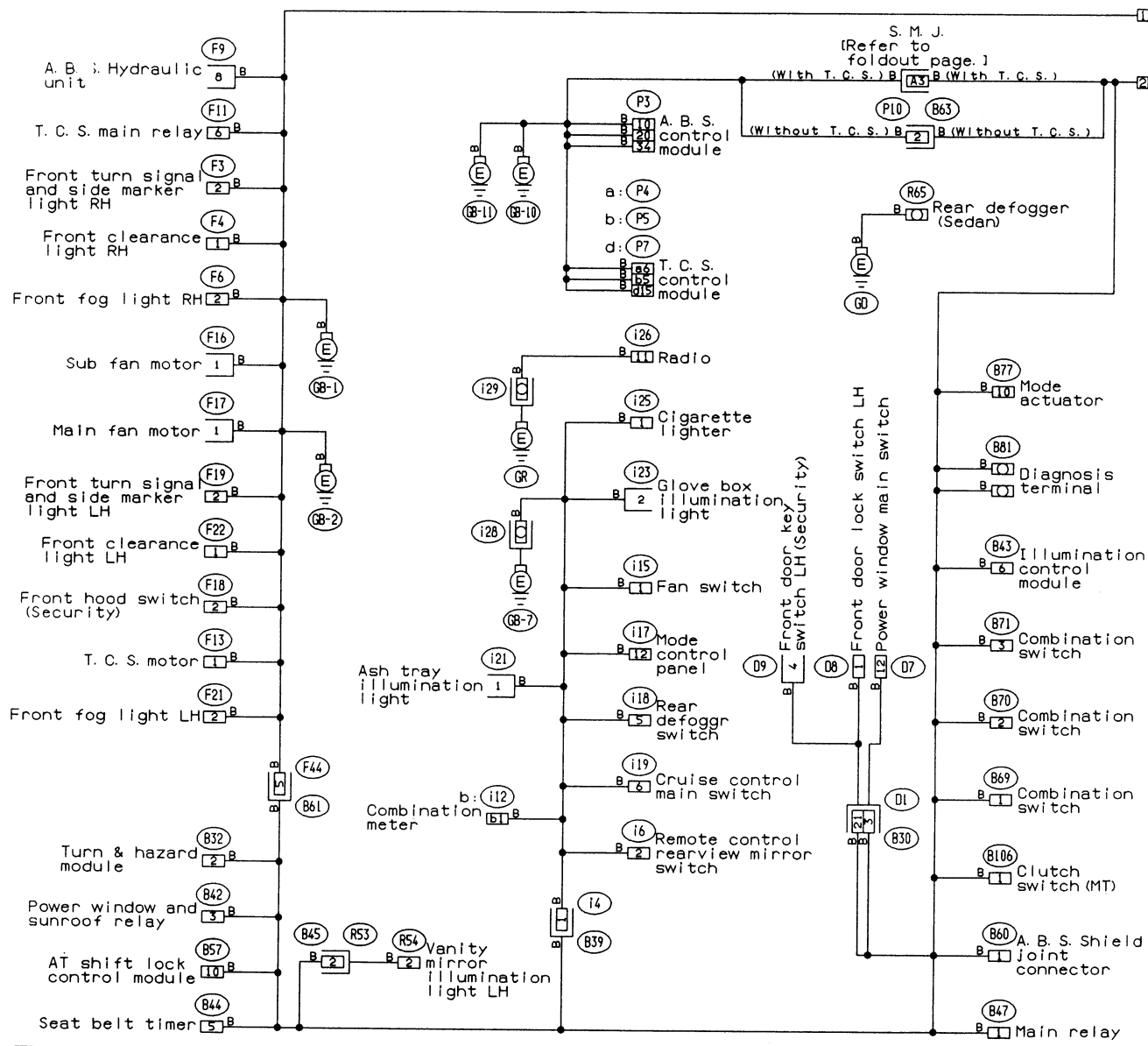
6. Wiring Diagram

No.	Load
MB-2	Power window circuit breaker
MB-3	Engine control module Fuel pump relay Main relay OBD-II service connector
MB-6	Headlight LH
MB-7	Diode (Lighting) Lighting switch
MB-8	Combination meter Headlight RH
MB-9	Combination meter Door lock timer Luggage room light Radio Room light
MB-10	A/C relay holder
ALT-1	Combination meter
IG	A/C relay holder
ST	Cruise control module Engine control module Inhibitor switch
FB-2	Diode (A/C)
FB-3	Sub fan motor Sub fan relay-2
FB-4	Engine control module Fuel pump relay Ignition coil Transmission control module
FB-6	Side marker light LH Side marker light RH
FB-7	Door lock timer
FB-9	Hazard switch
FB-10	AT shift lock control module Key warning switch Power antenna
FB-11	Radio
FB-12	Cigarette lighter
FB-13	Remote control rearview mirror switch
FB-14	AT shift lock control module Combination switch Front washer motor Front wiper motor Rear washer motor Rear wiper motor Rear wiper relay
FB-15	Transmission control module
FB-16	Rear defogger Rear defogger condenser Rear defogger switch
FB-17	Rear defogger switch

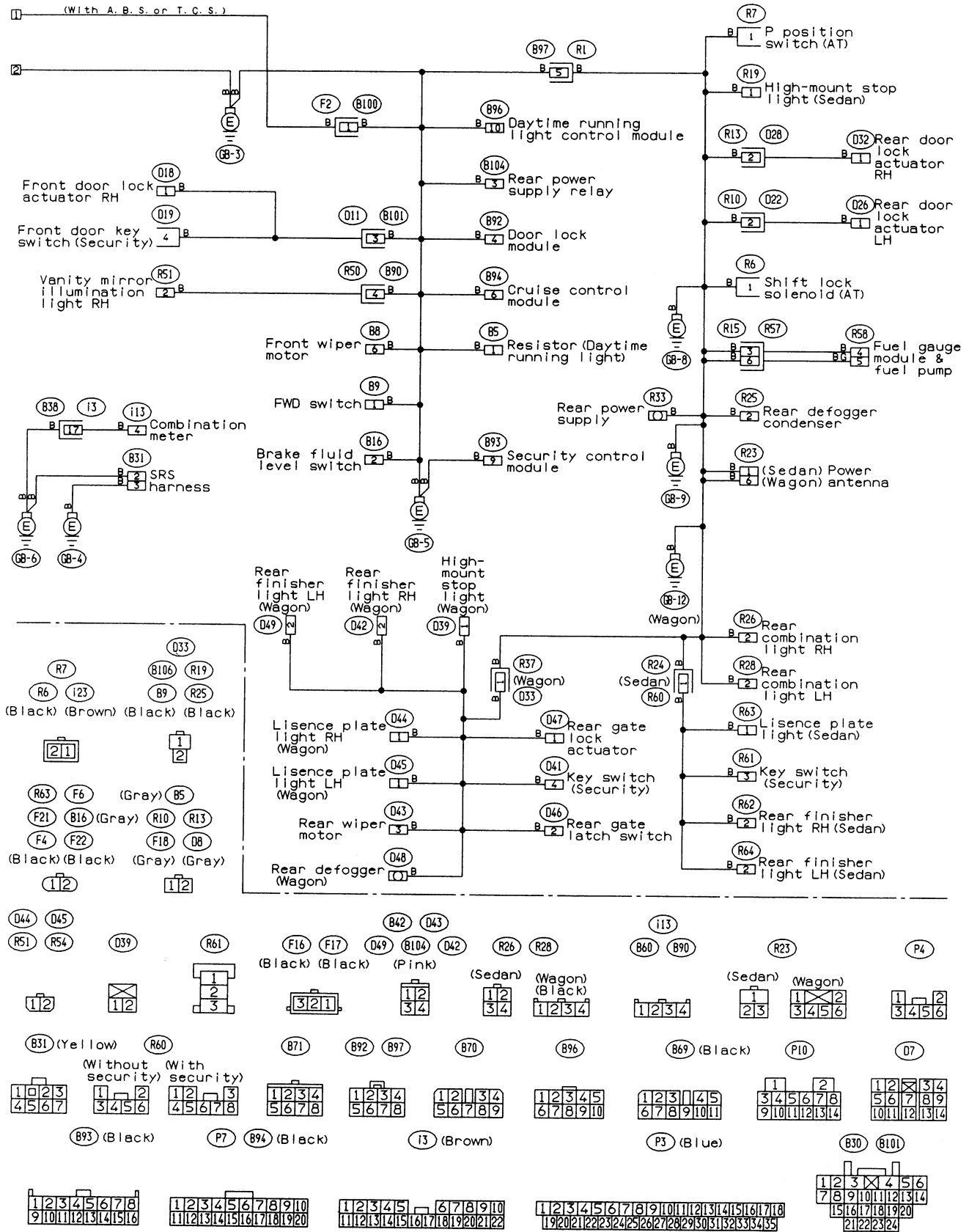
No.	Load
FB-18	AT shift lock control module Inhibitor switch
FB-19	Hazard switch
FB-20	Combination meter Mode control panel
FB-21	Combination meter (Airbag)
FB-22	Blower motor relay Check connector FRESH/RECIRC actuator Mode actuator Power window relay Seat belt timer
FB-23	Airbag control module
FB-24	Airbag control module
FB-25	Lighting switch
FB-26	Parking switch
FB-27	Parking switch
FB-28	Illumination light
FB-29	Illumination light
FB-30	Stop light switch Stop & brake switch
FB-31	Horn relay
FB-32	Blower motor relay
FB-33	Parking switch
FB-34	License plate light LH License plate light RH Rear combination light LH Rear combination light RH Rear finisher light LH Rear finisher light RH
FB-35	Cruise control main switch Cruise control module

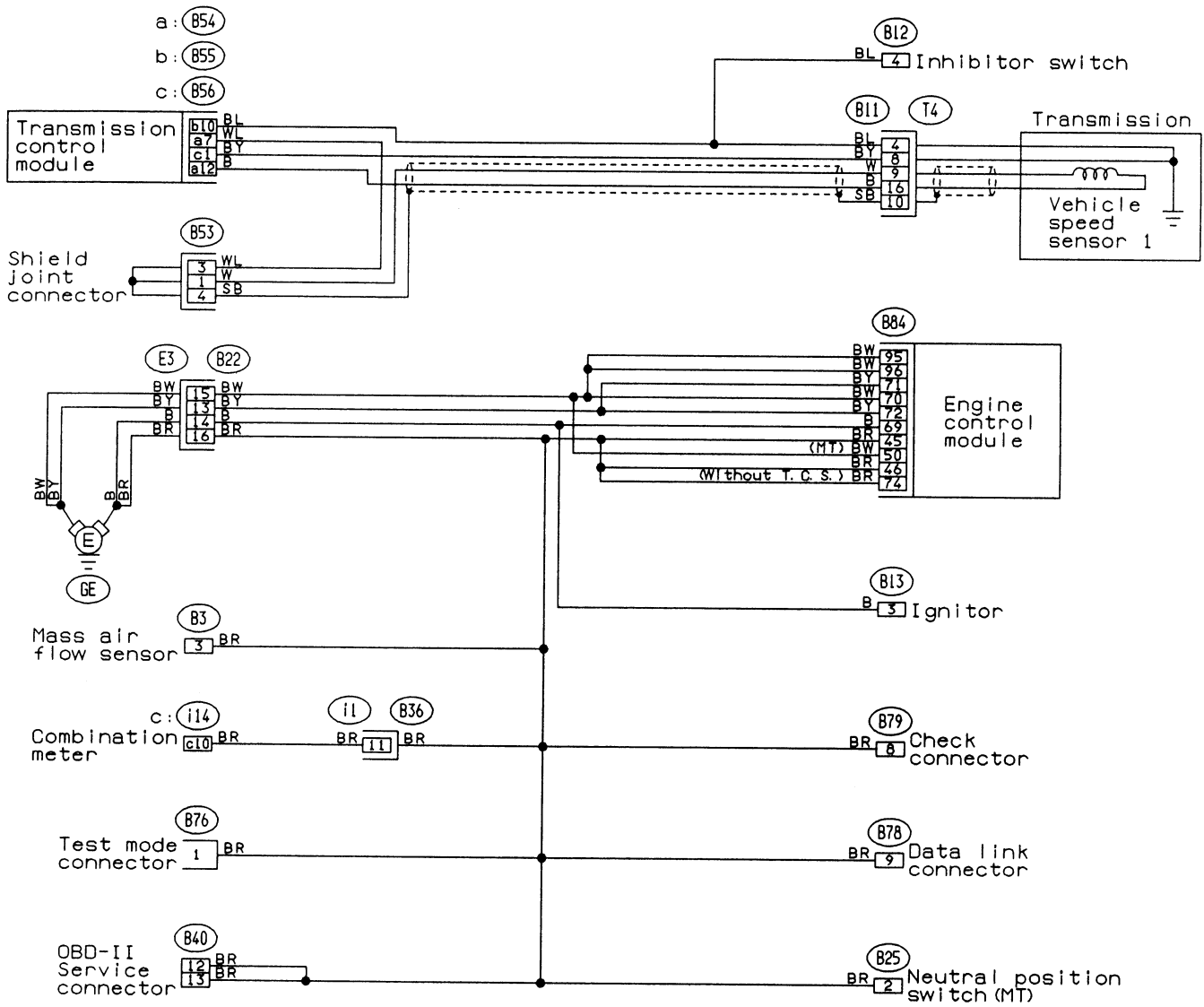
2. GROUND DISTRIBUTION

● LHD model



6. Wiring Diagram

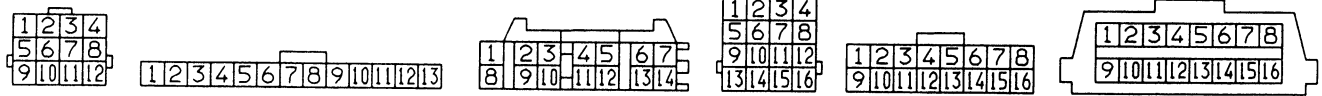




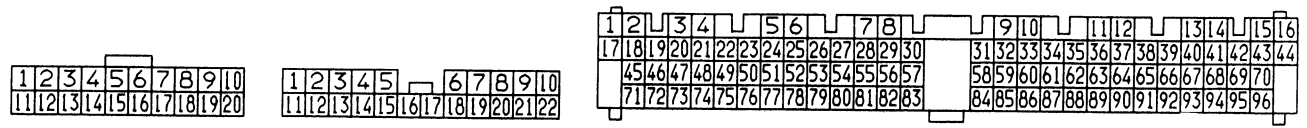
(B25) (Brown) (B76) (Green) (B53) (B3) (Gray) (B13) (Gray) (B78) (Yellow) (B54) (Black)



(B12) (Gray) (i14) (B79) (Gray) (B11) (Gray) (B22) (Light gray) (B55) (Black) (B40) (Gray)

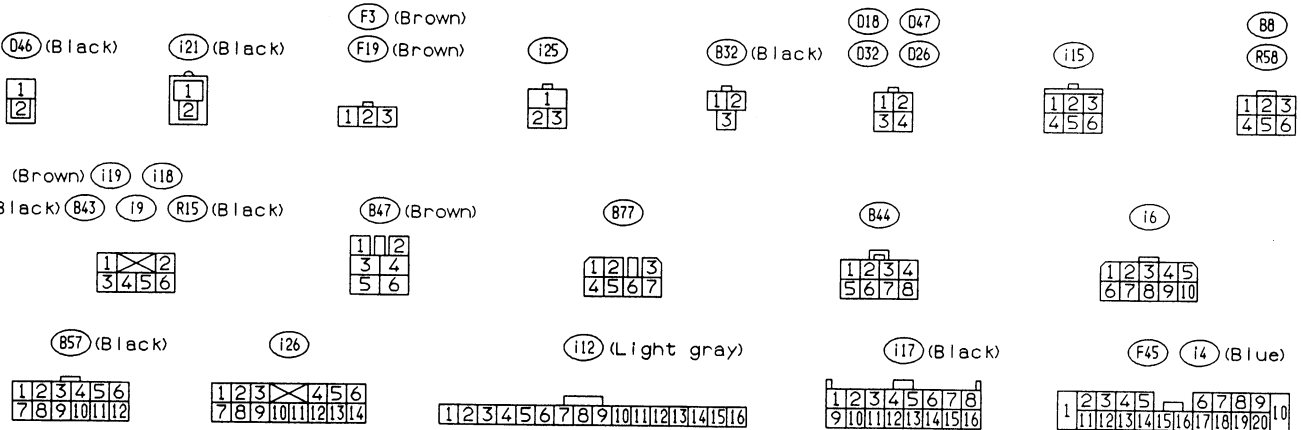
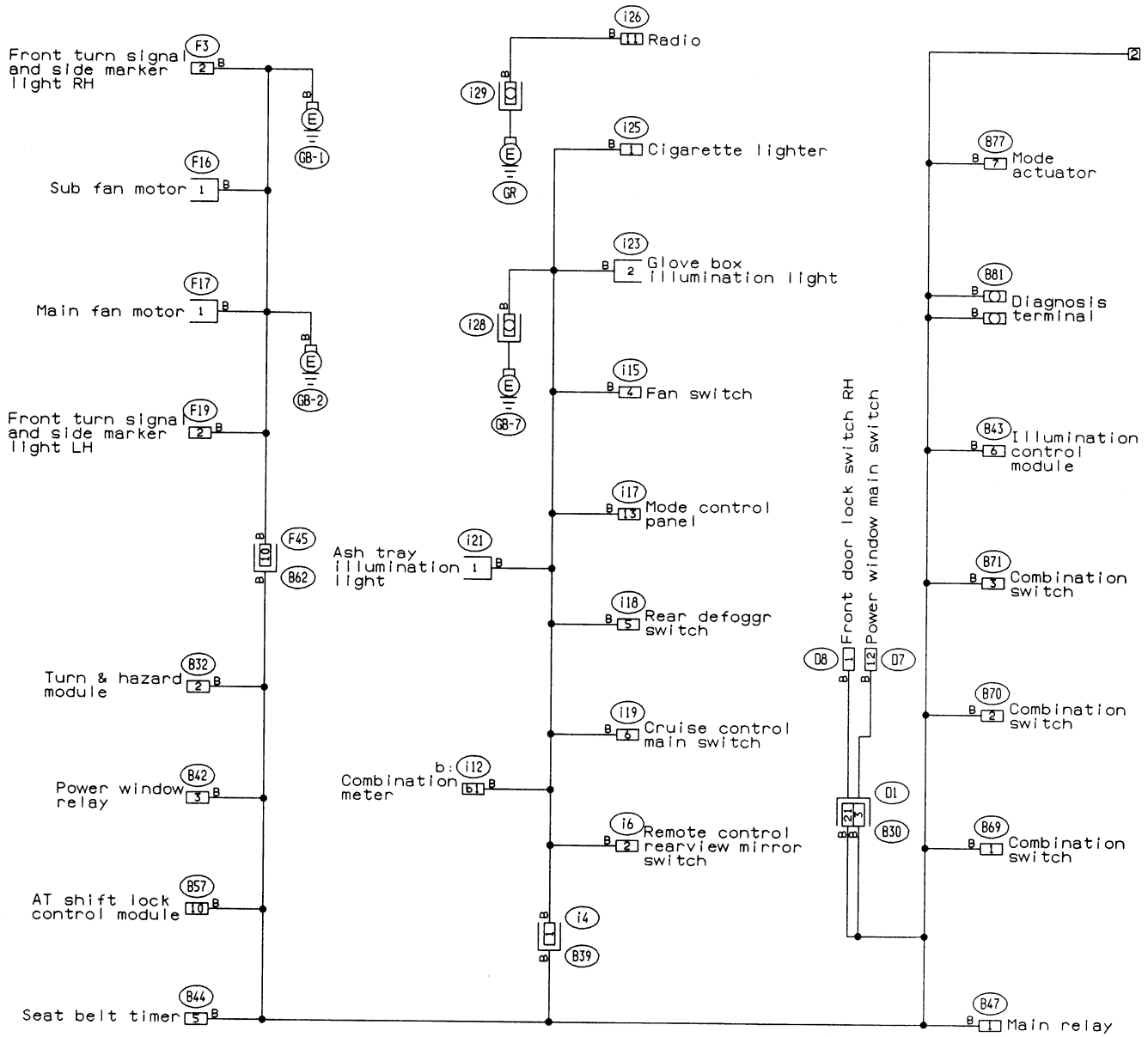


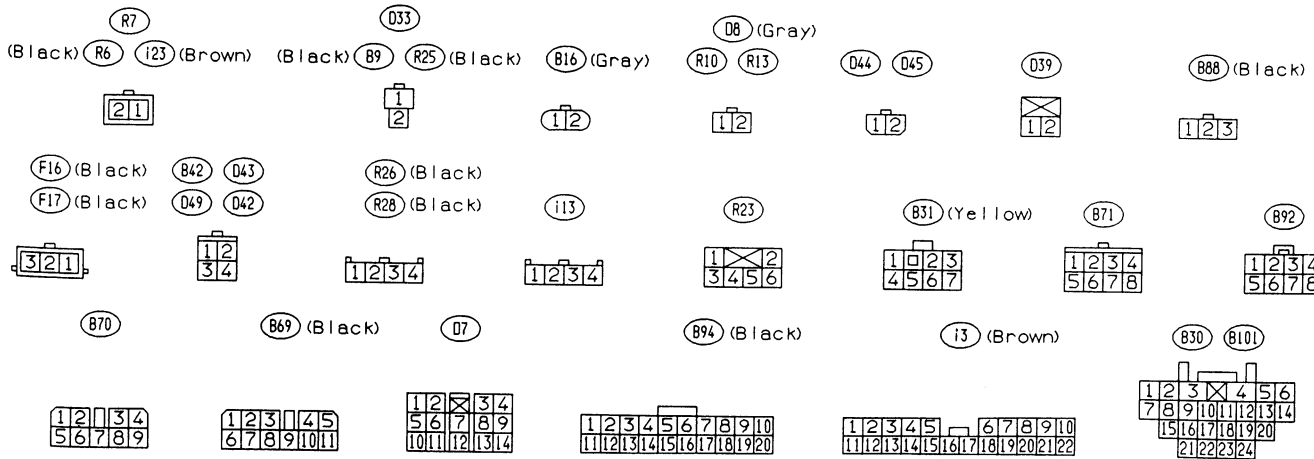
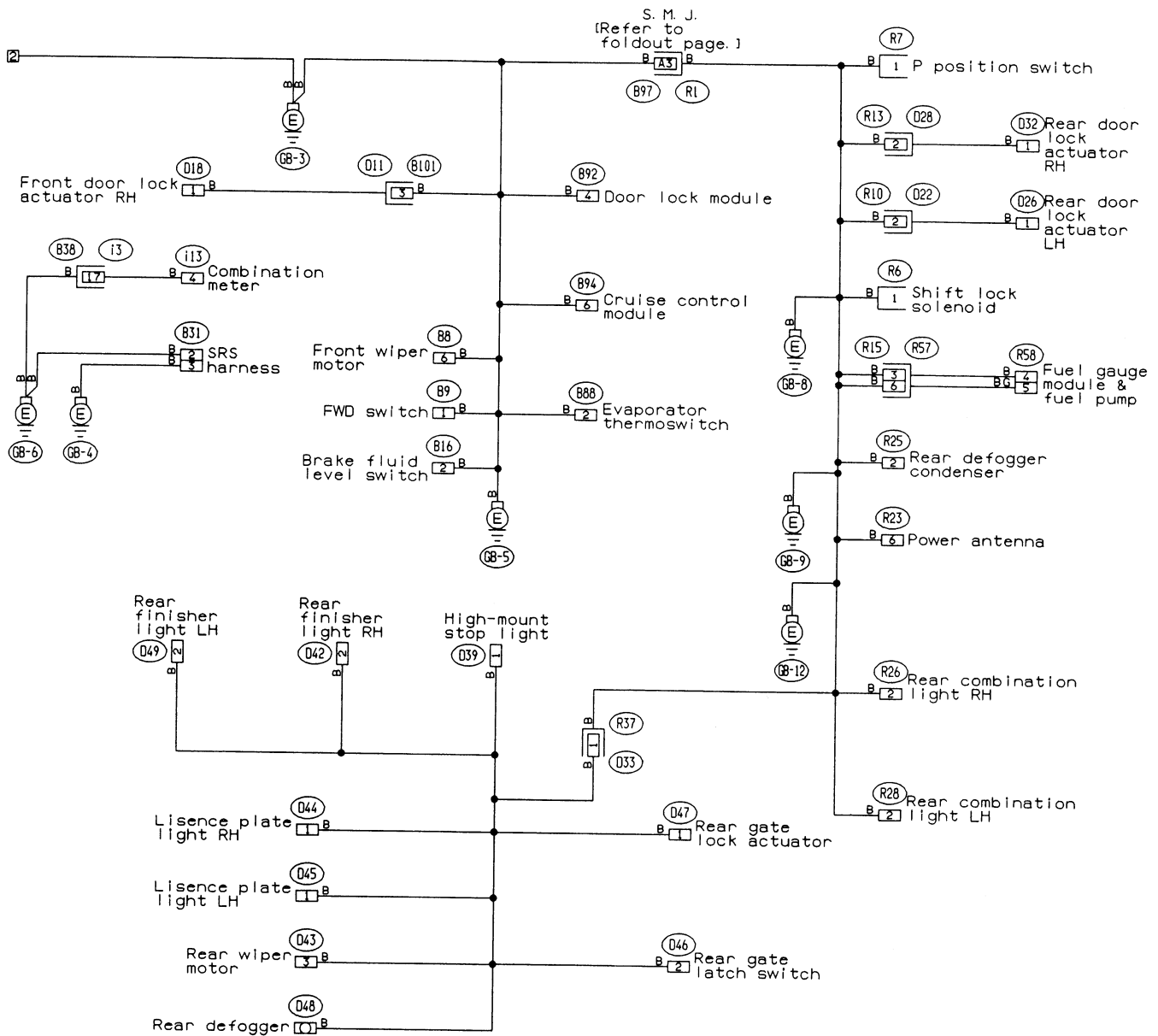
(B56) (Black) (i1) (Black) (B84) (Dark gray)



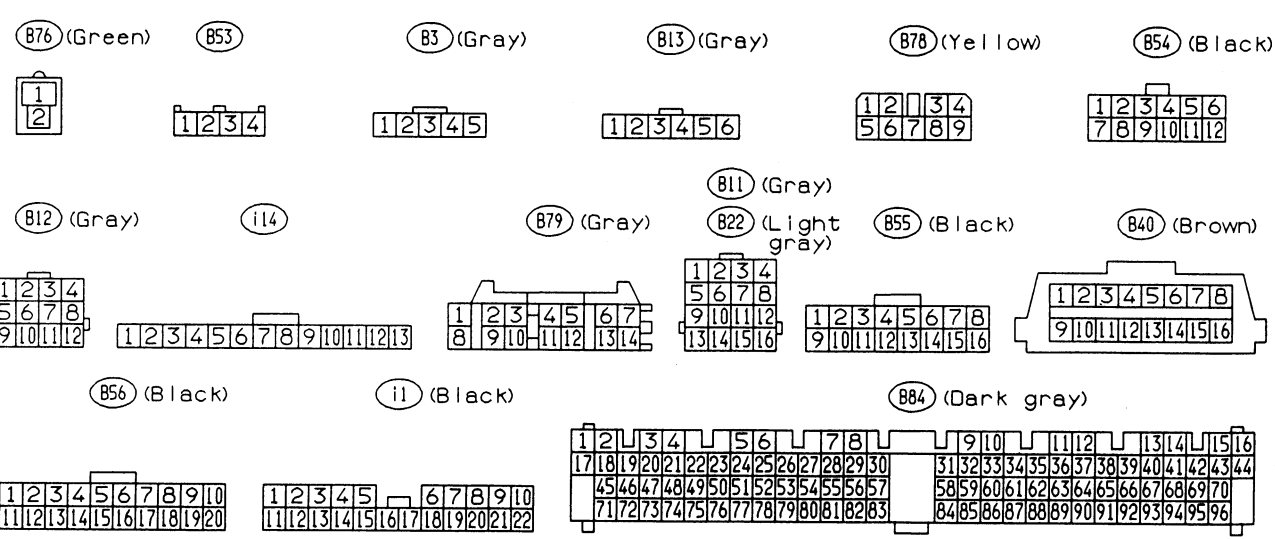
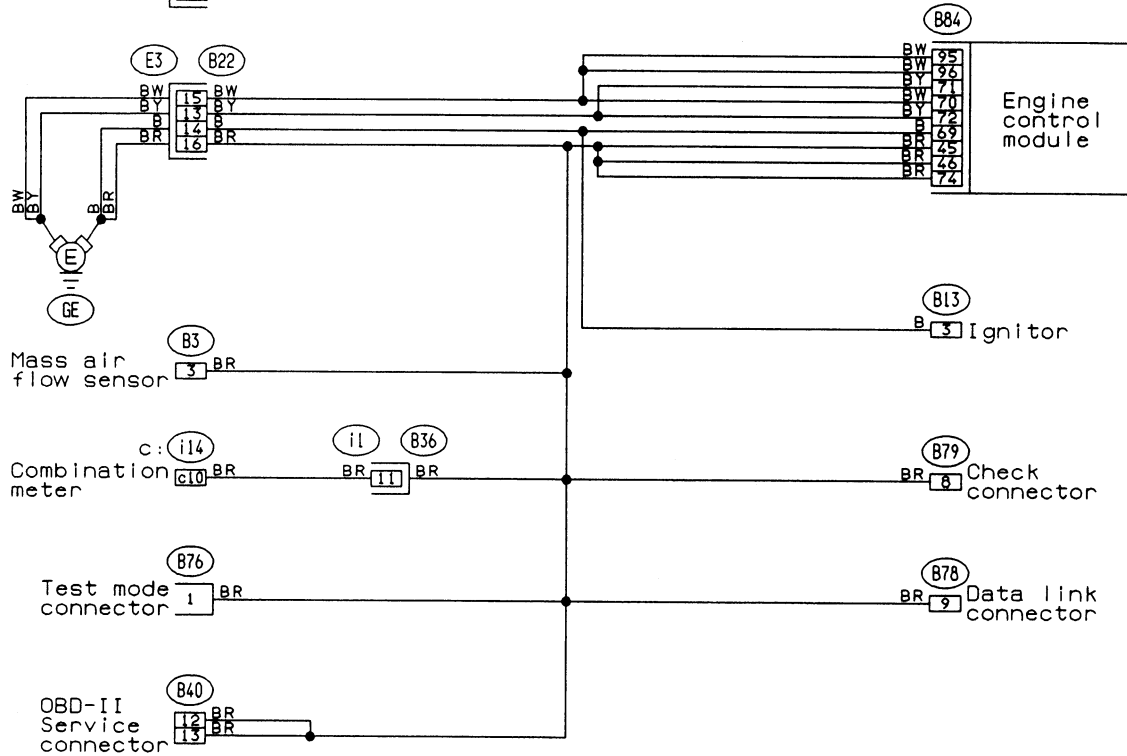
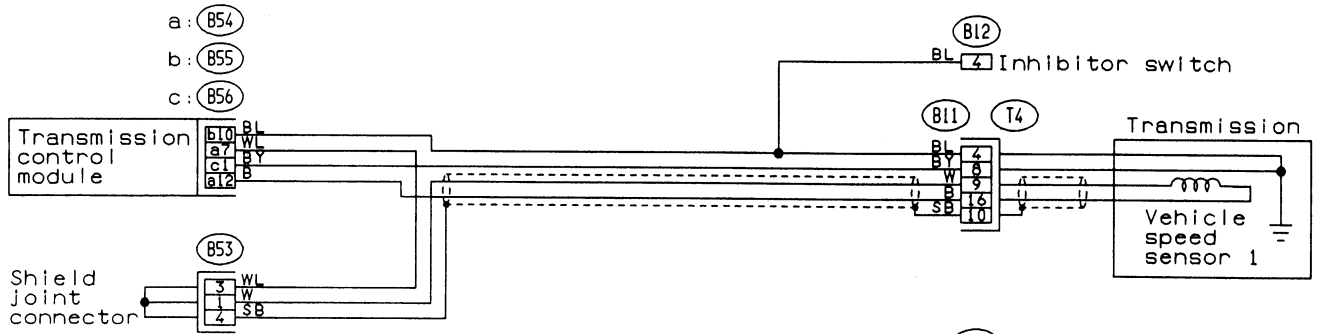
2. GROUND DISTRIBUTION

● RHD model



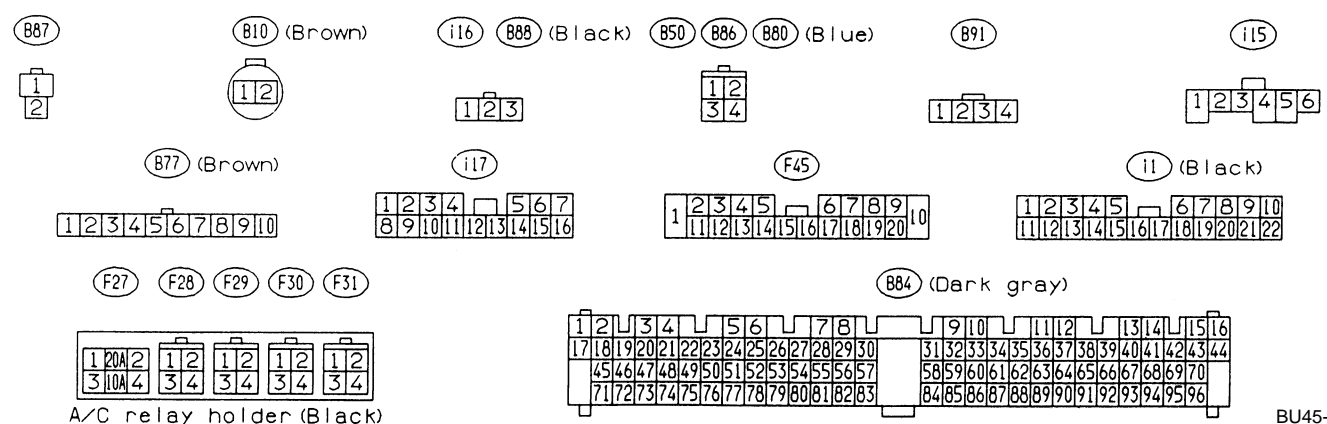
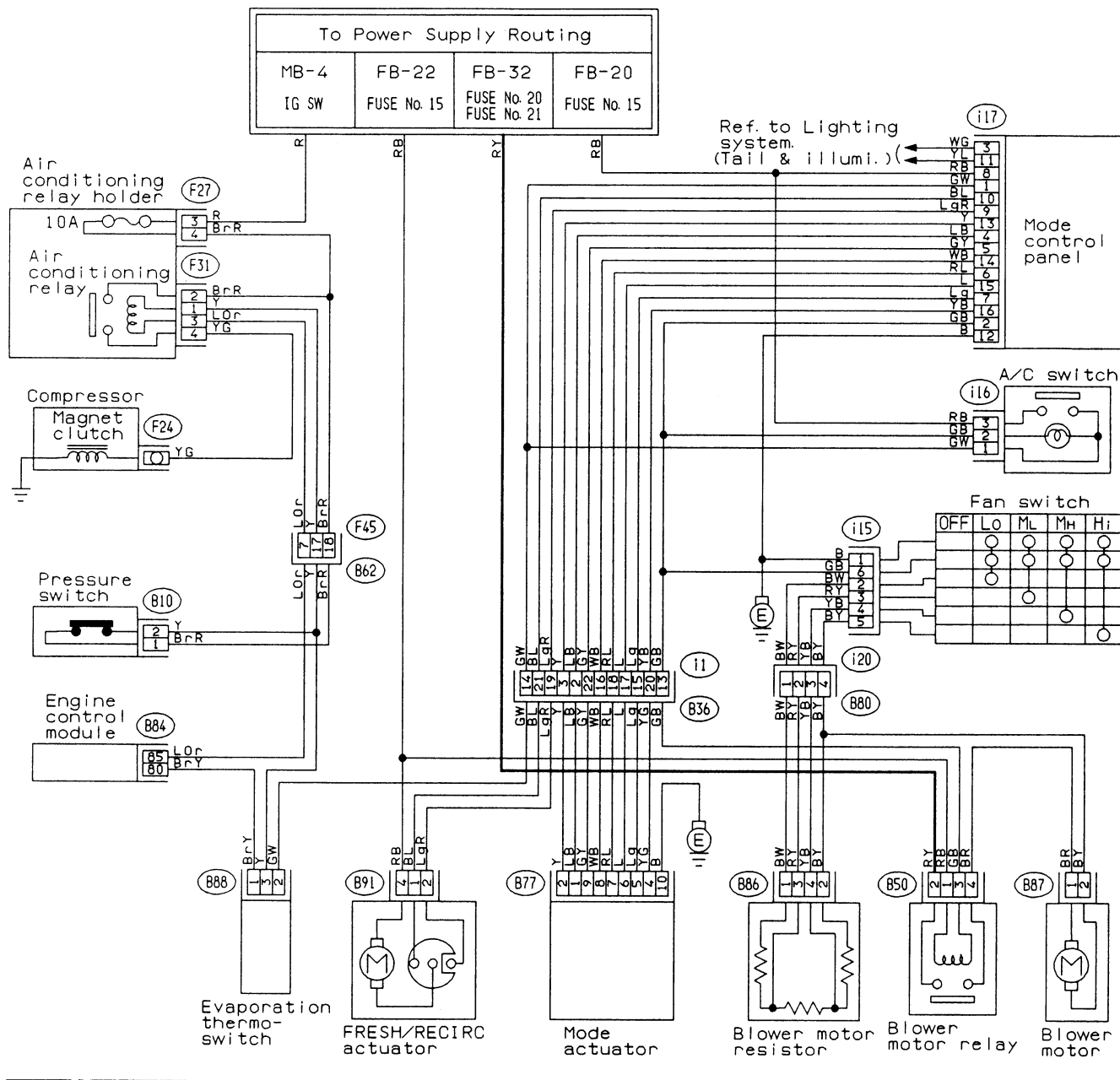


6. Wiring Diagram



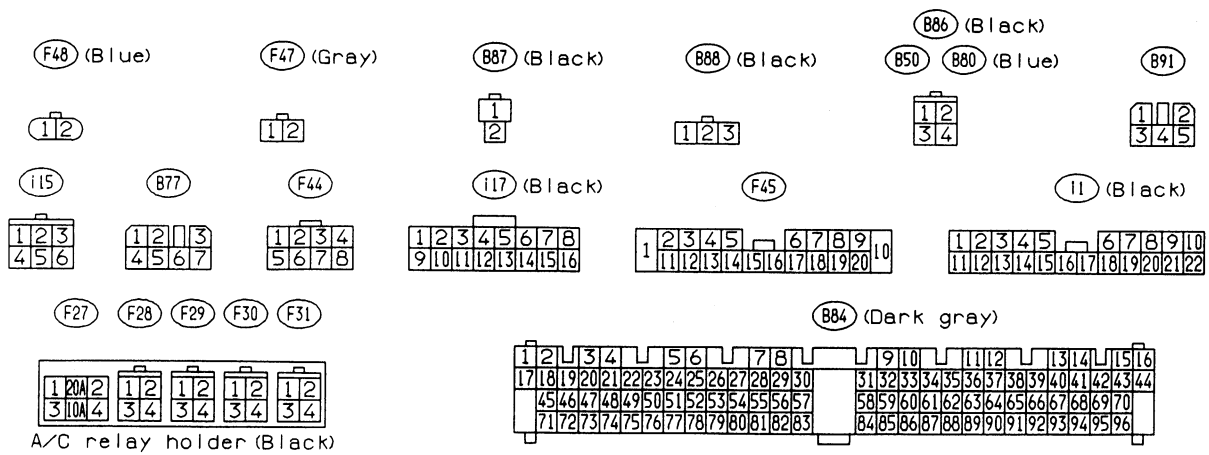
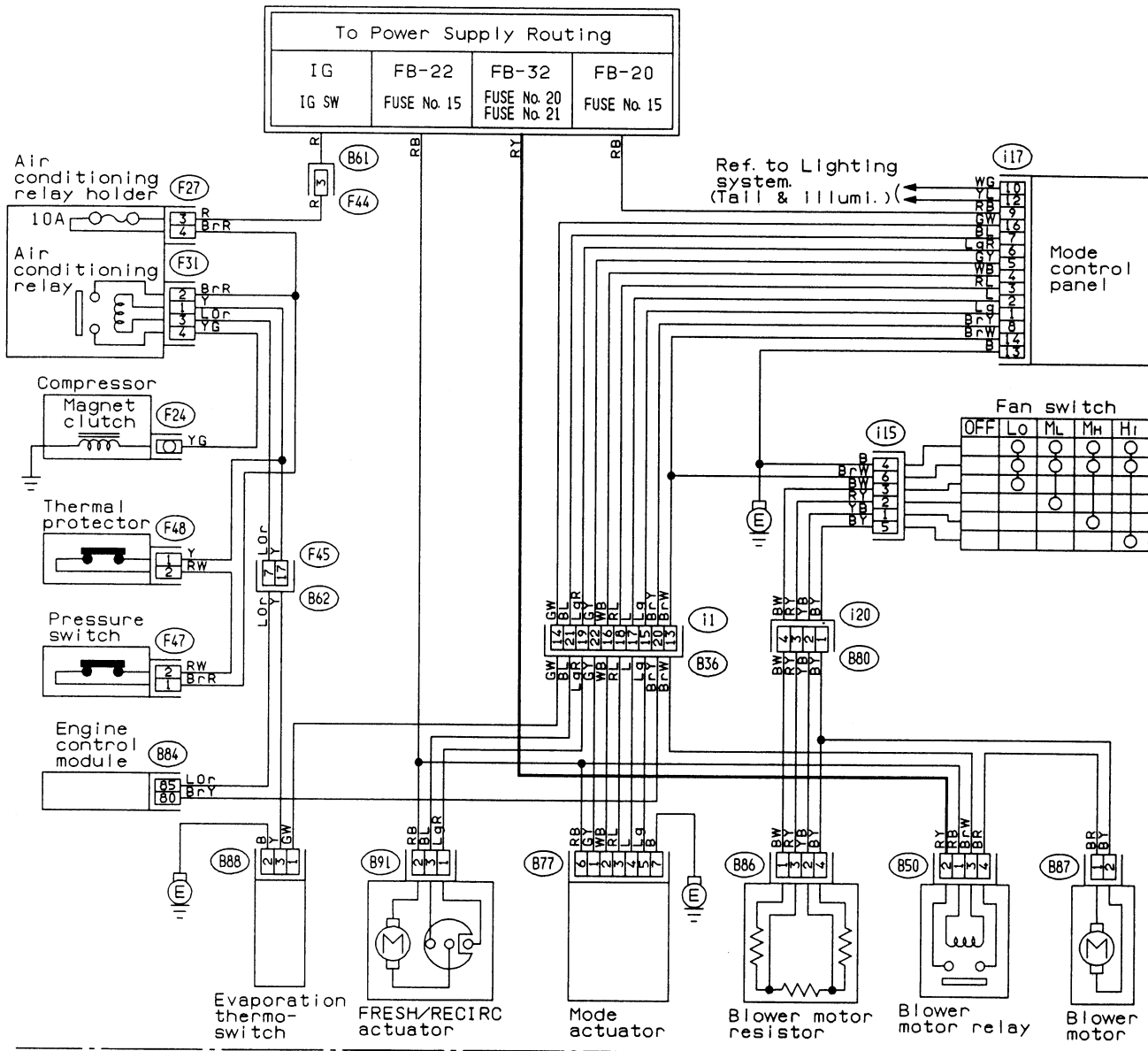
3. AIR CONDITIONING SYSTEM

● LHD model



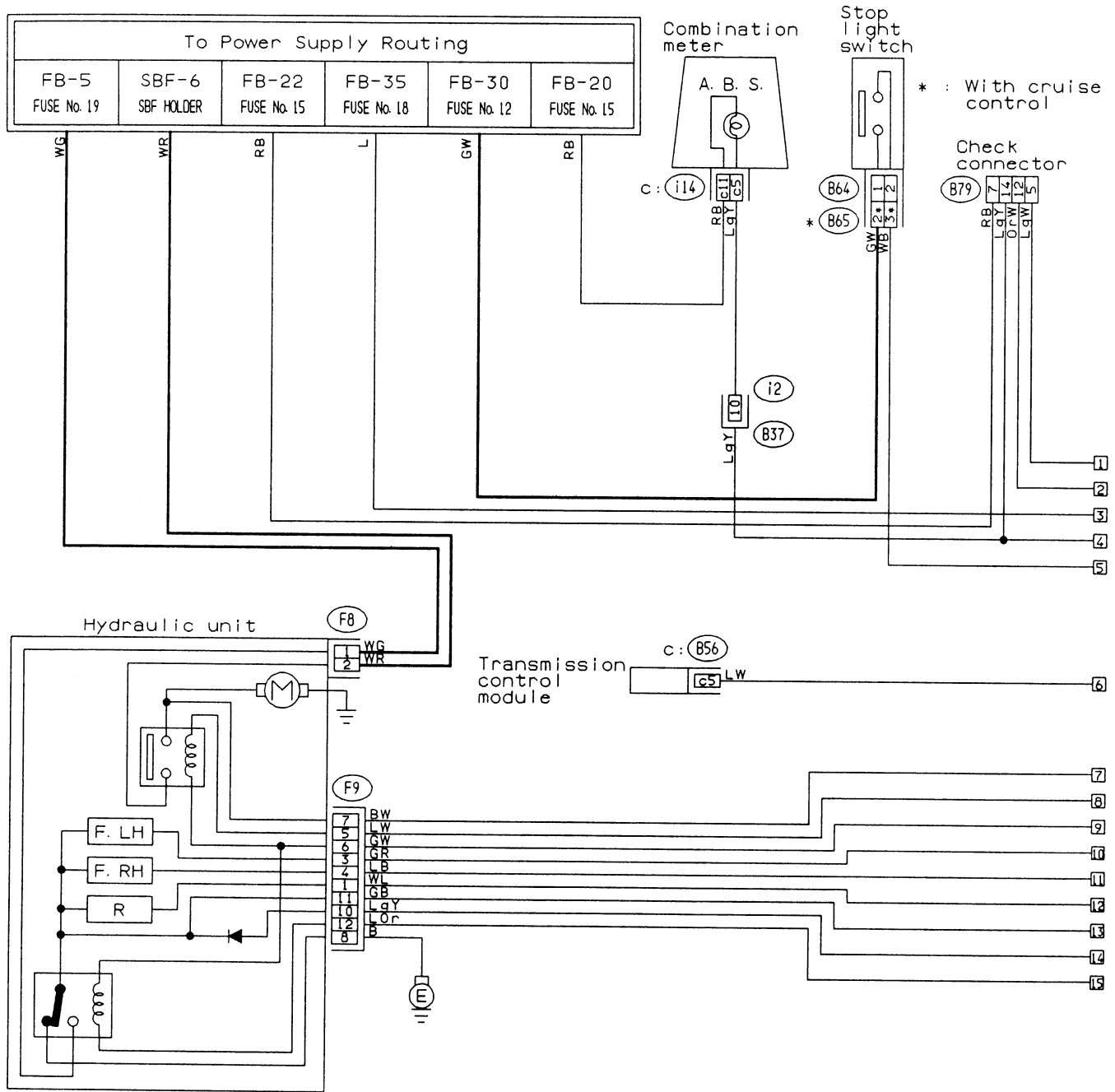
3. AIR CONDITIONING SYSTEM

● RHD model



A/C relay holder (Black)

4. ANTI-LOCK BRAKE SYSTEM

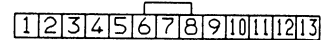
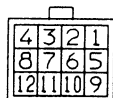


(Black) (B64) (F8) (Gray)

(B65) (Black)

(F9) (Black)

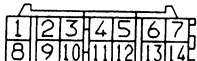
(i14)



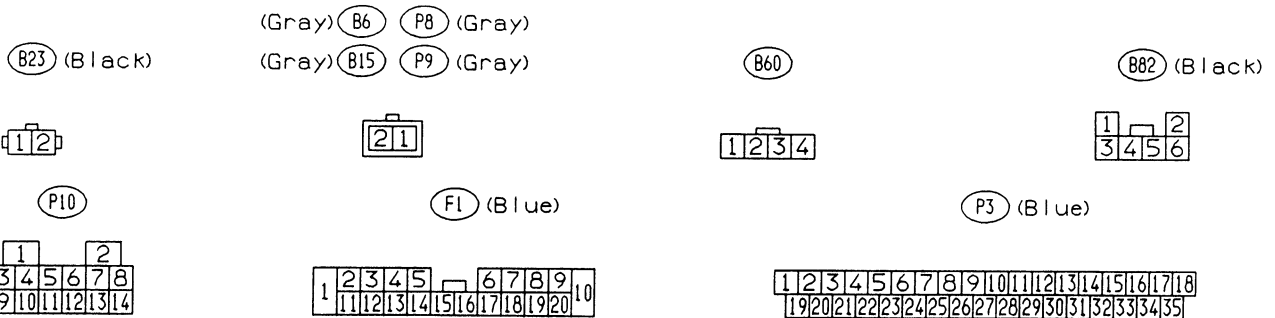
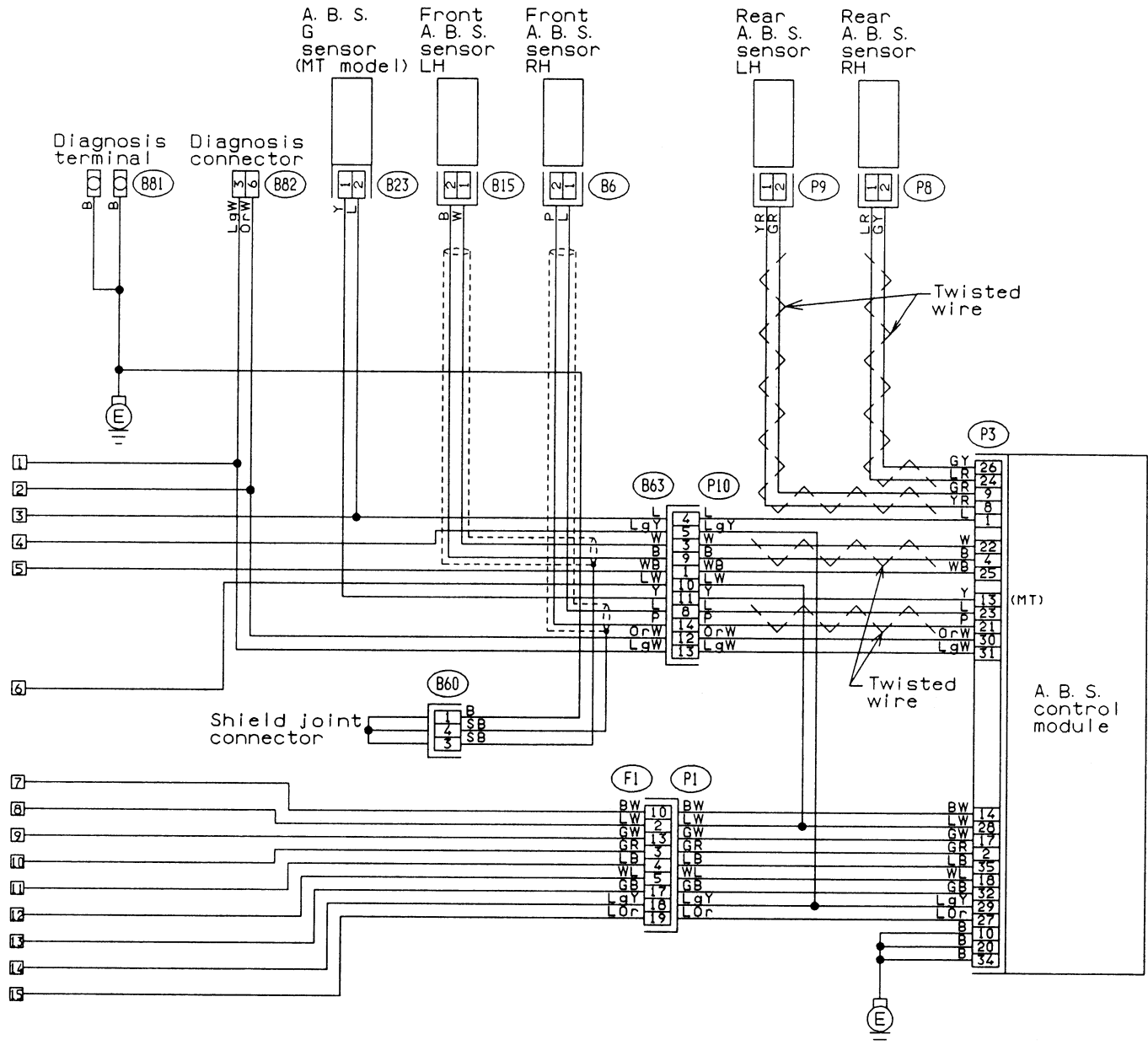
(B79) (Gray)

(B56) (Black)

(i2)

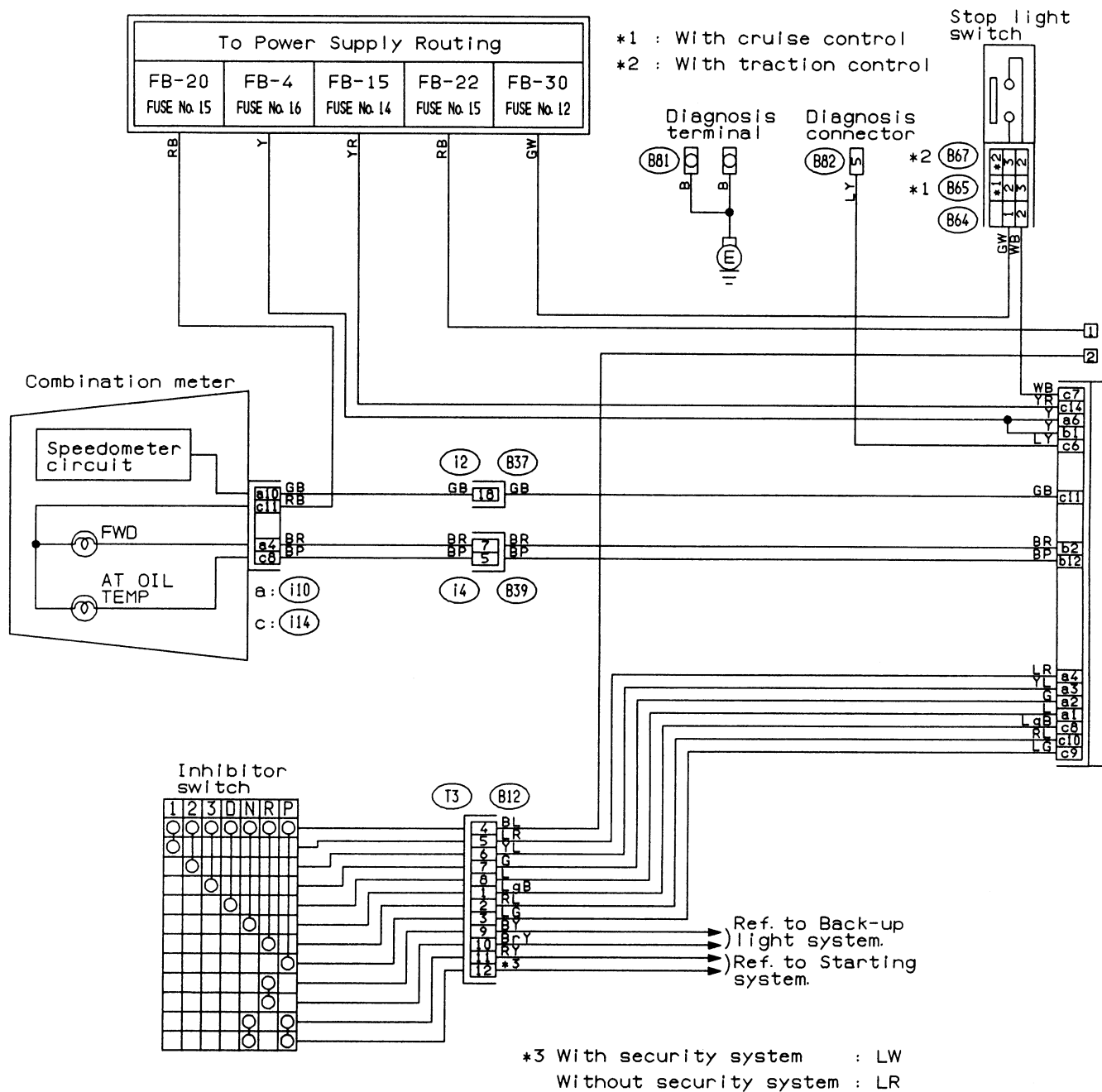


6. Wiring Diagram

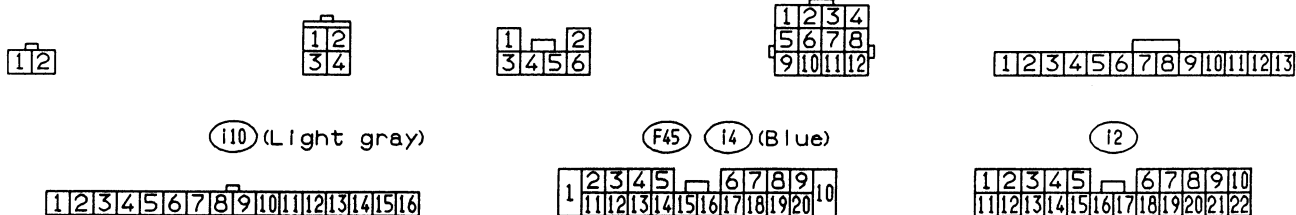


5. AT CONTROL SYSTEM

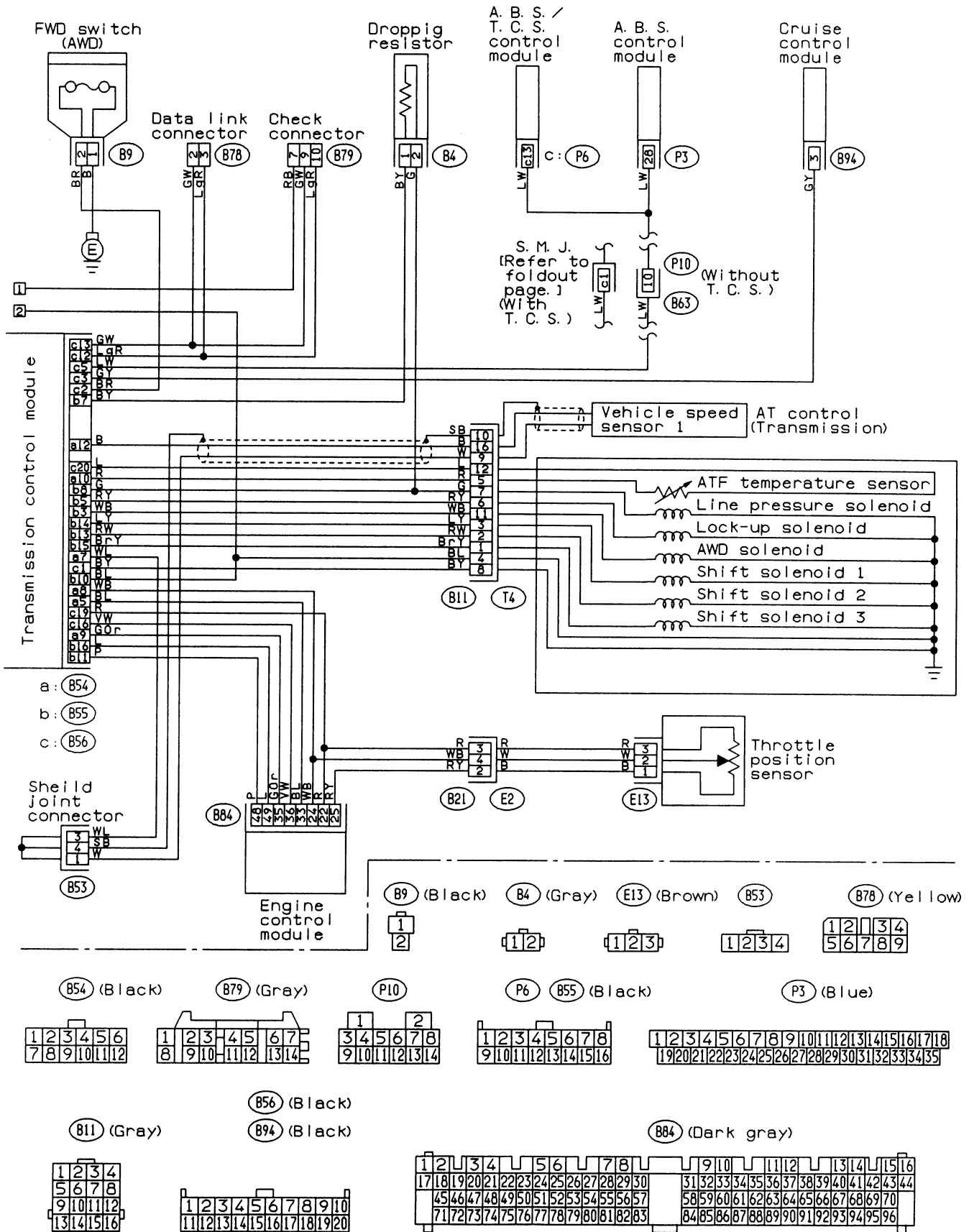
● LHD model



(B64) (Black) (Black) (B65) (B67) (Black) (B82) (Black) (Gray) (B12) (B21) (Light gray) (i14)

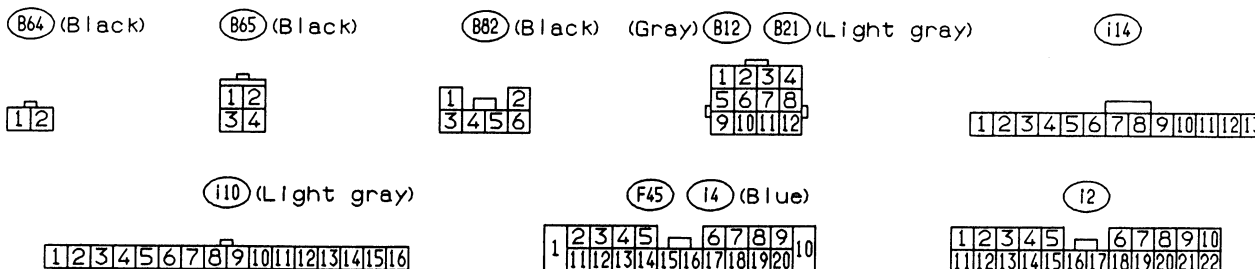
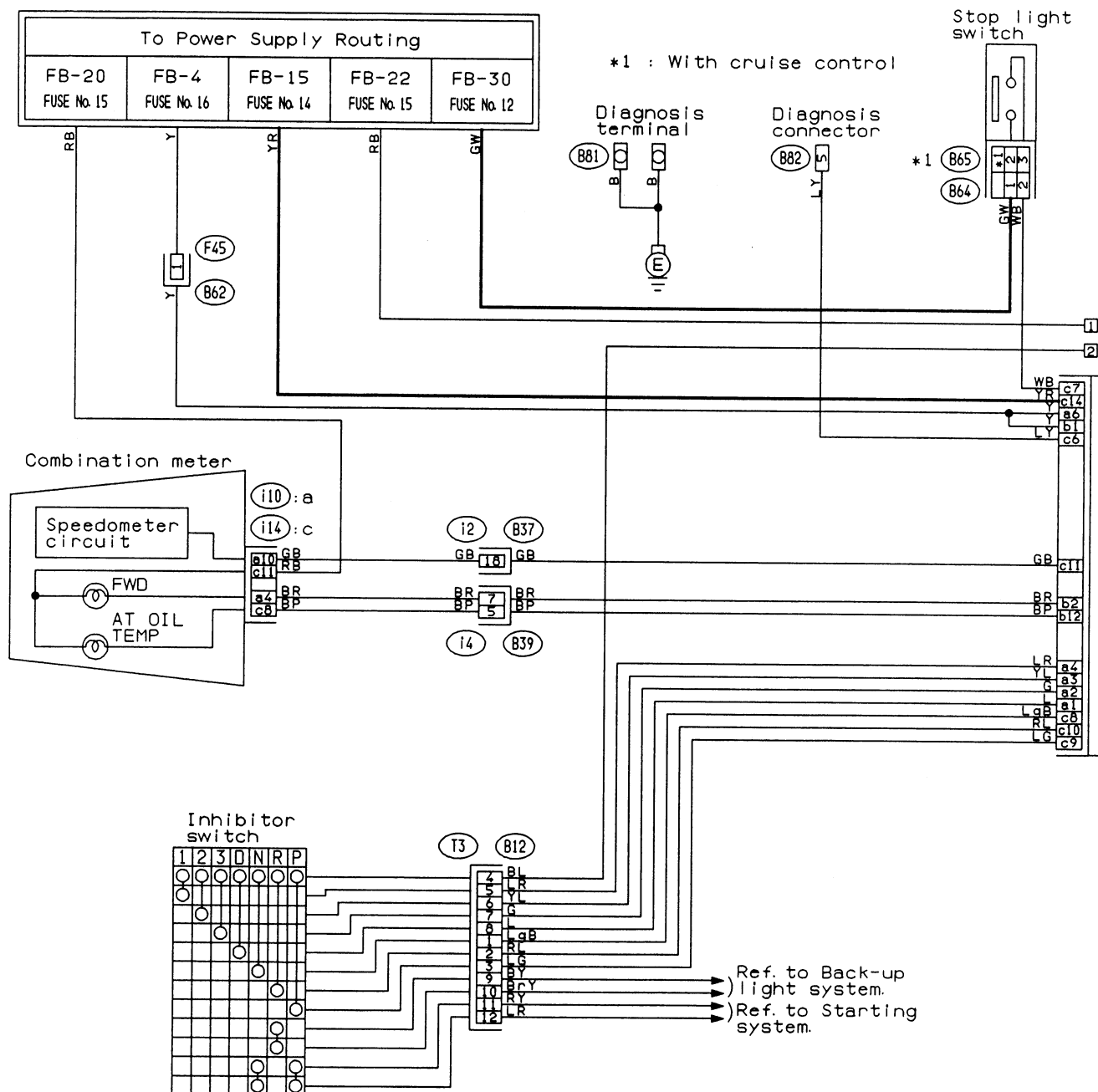


6. Wiring Diagram

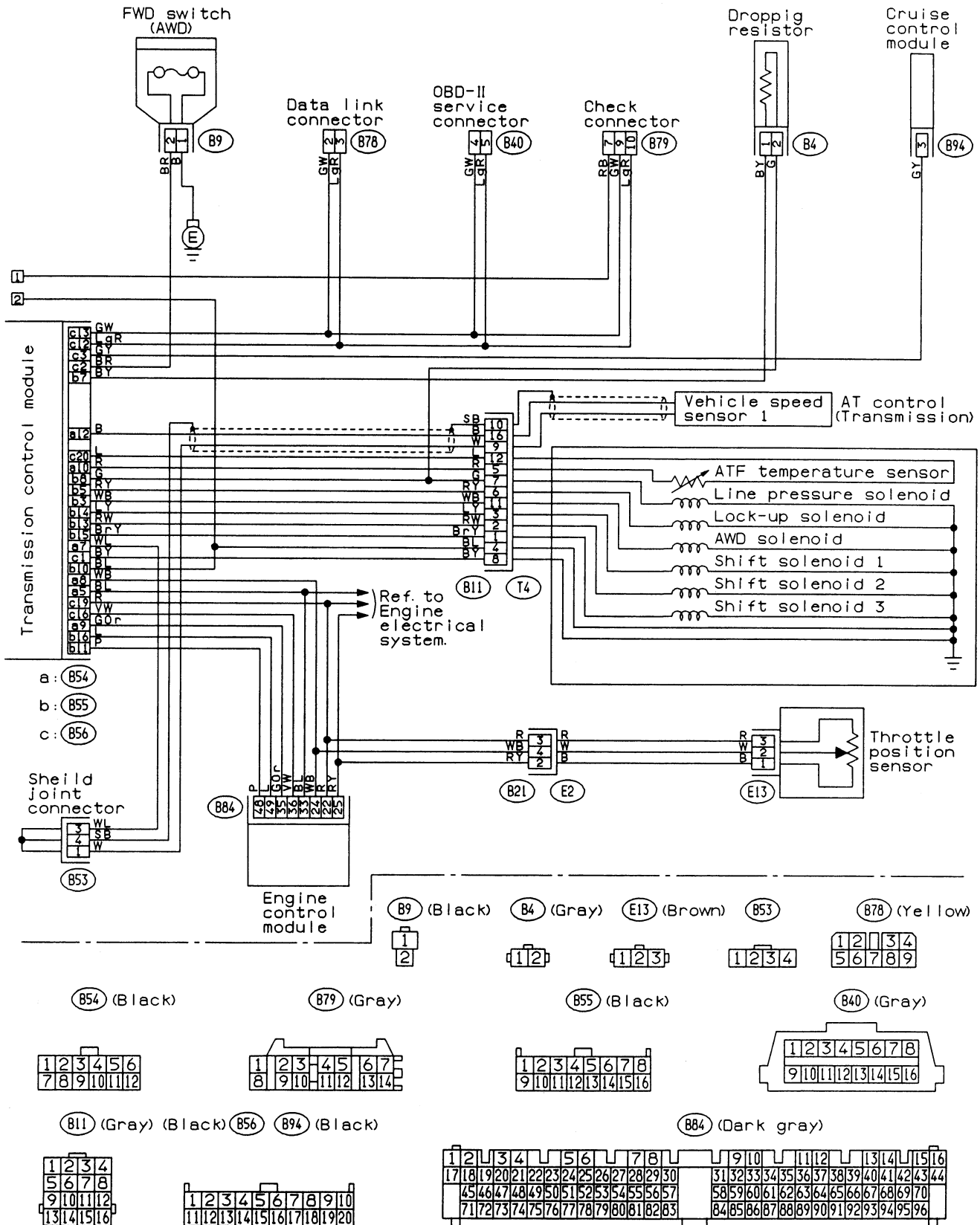


5. AT CONTROL SYSTEM

● RHD model

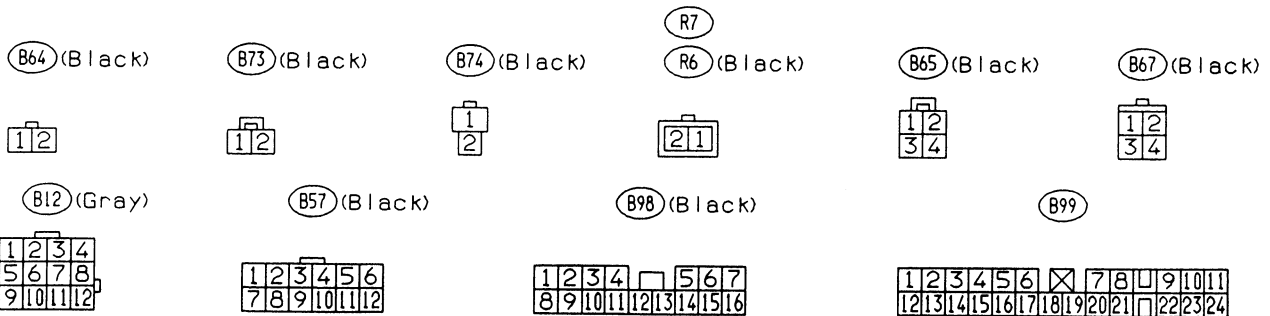
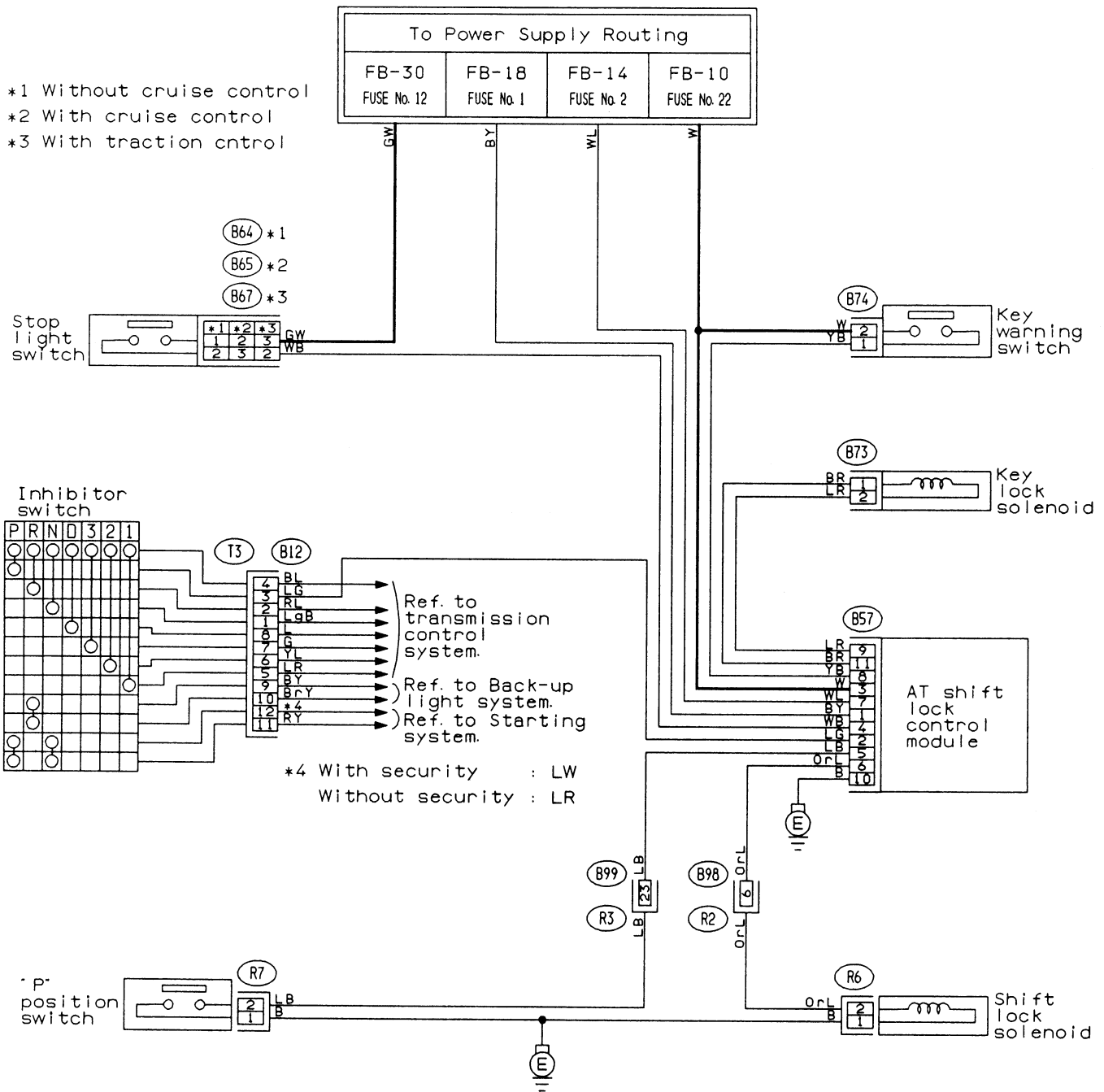


6. Wiring Diagram



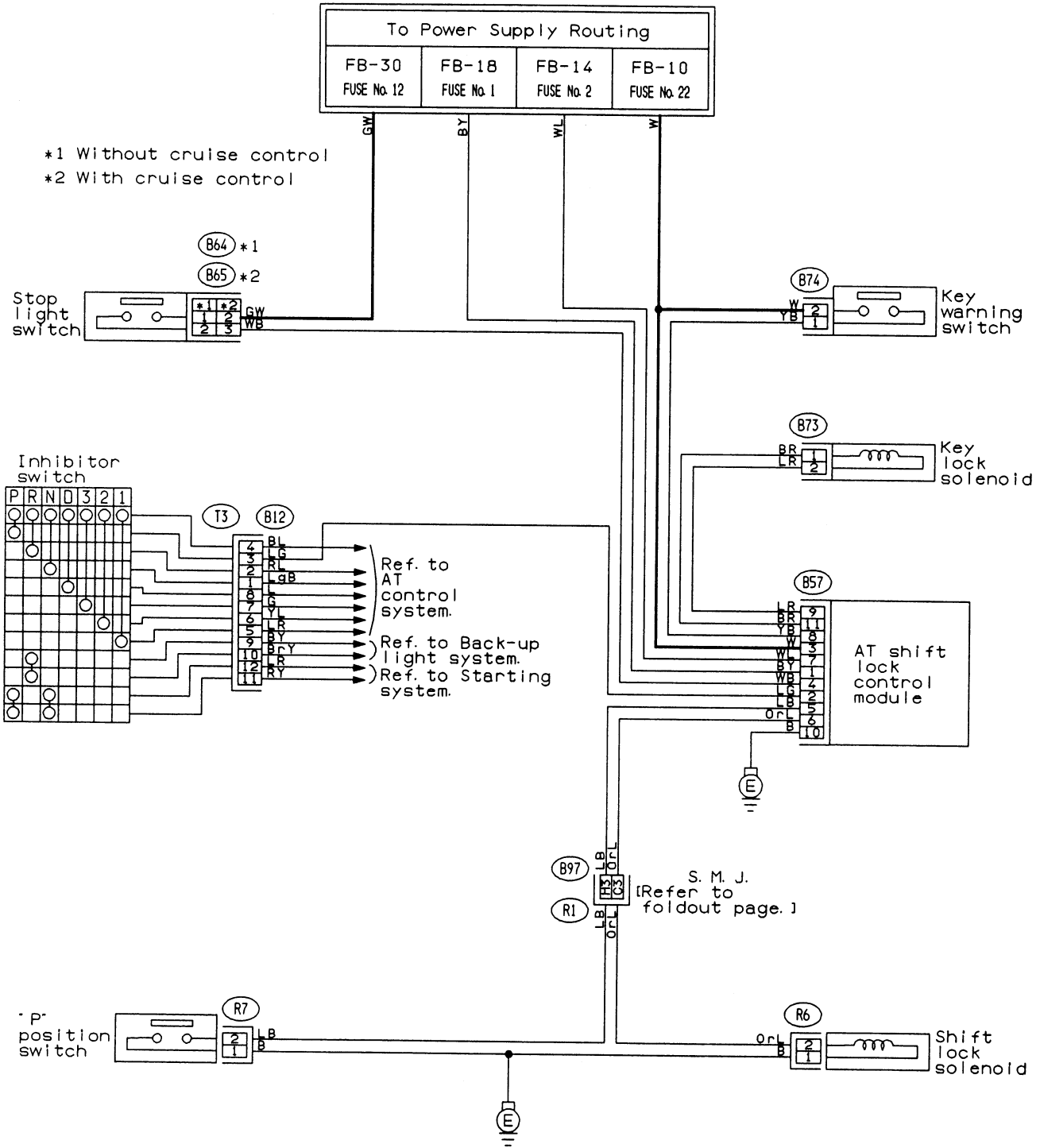
6. AT SHIFT LOCK SYSTEM

● LHD model



6. AT SHIFT LOCK SYSTEM

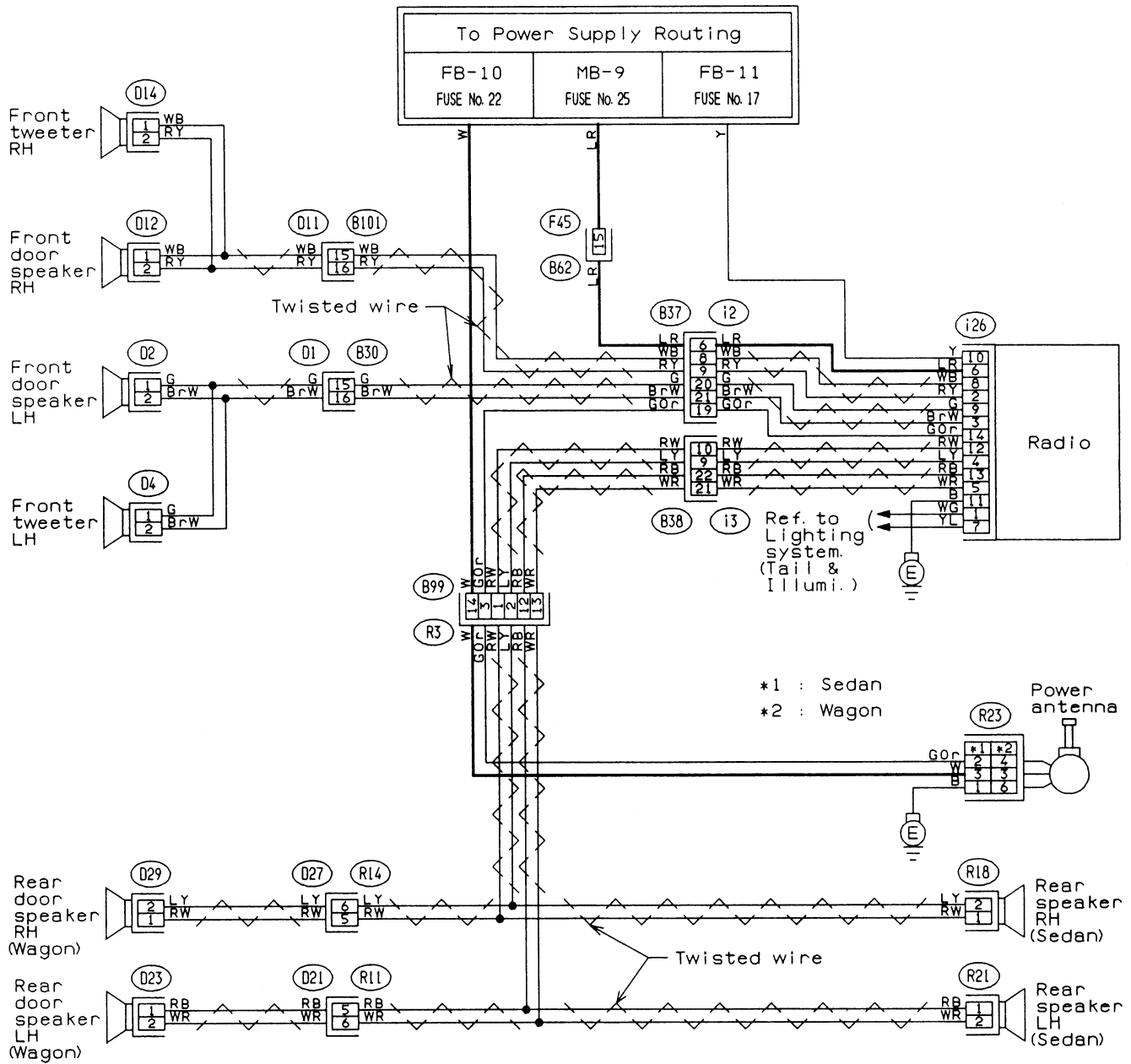
● RHD model



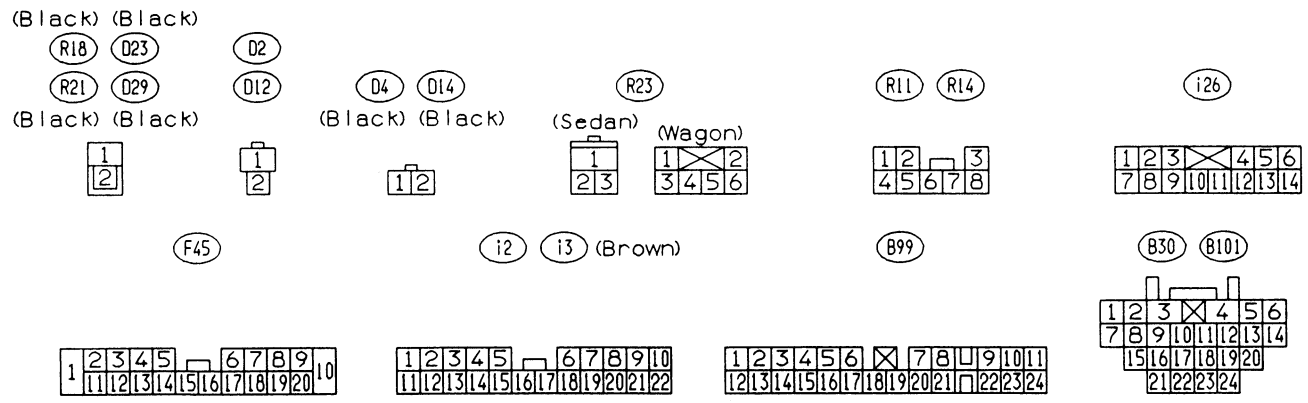
- (B64) (Black)
1 2
- (B73) (Black)
1 2
- (B74) (Black)
1 2
- (R7) (Black)
2 1
- (R6) (Black)
1 2
3 4
- (B65) (Black)
1 2
3 4
- (B57) (Black)
1 2 3 4
5 6 7 8
9 10 11 12
- (B12) (Gray)
1 2 3 4
5 6 7 8
9 10 11 12

7. AUDIO SYSTEM

● LHD model

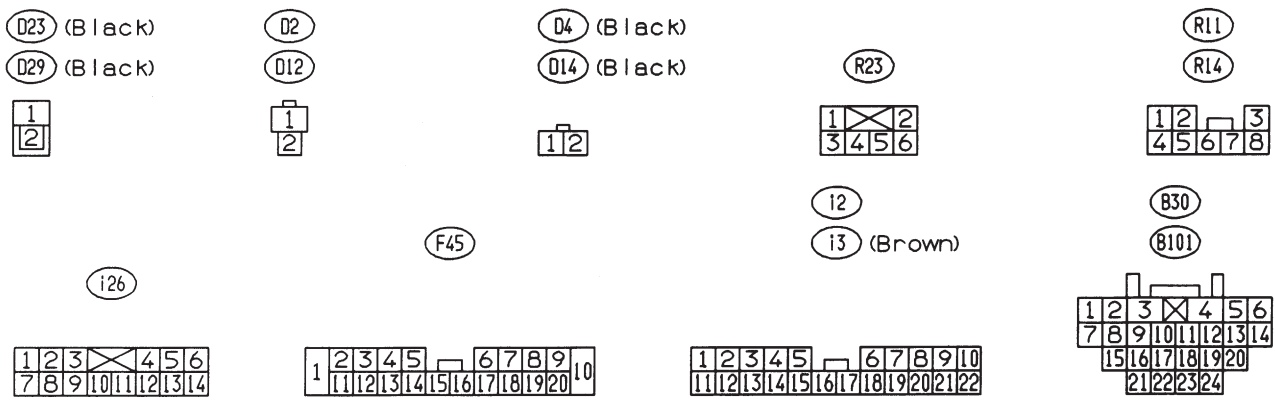
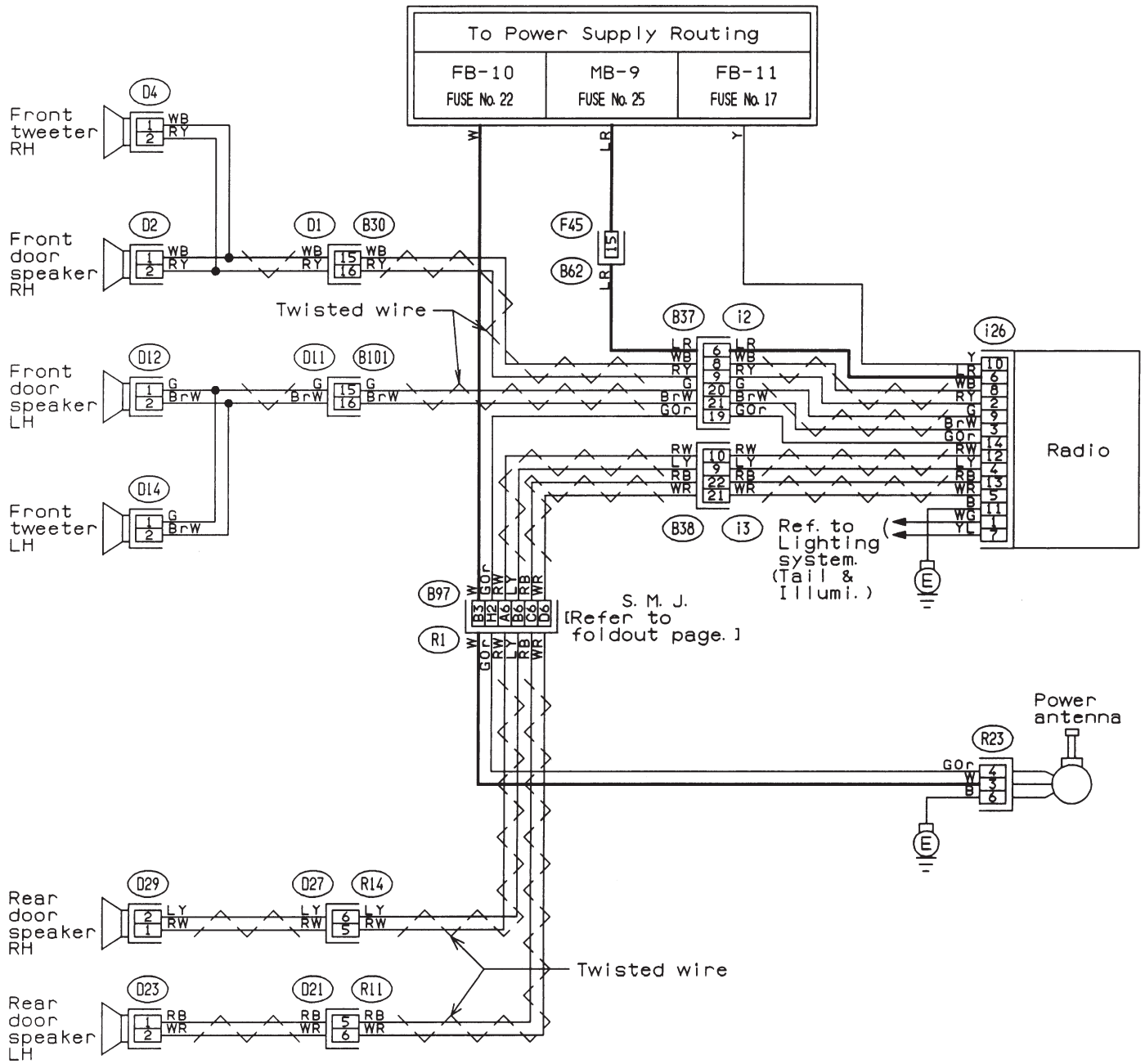


*1 : Sedan
*2 : Wagon



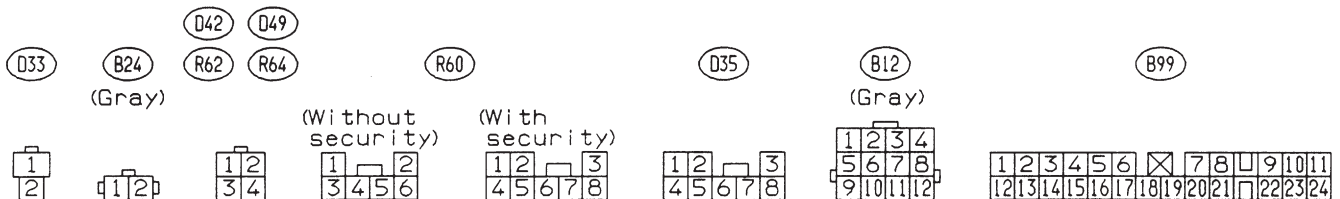
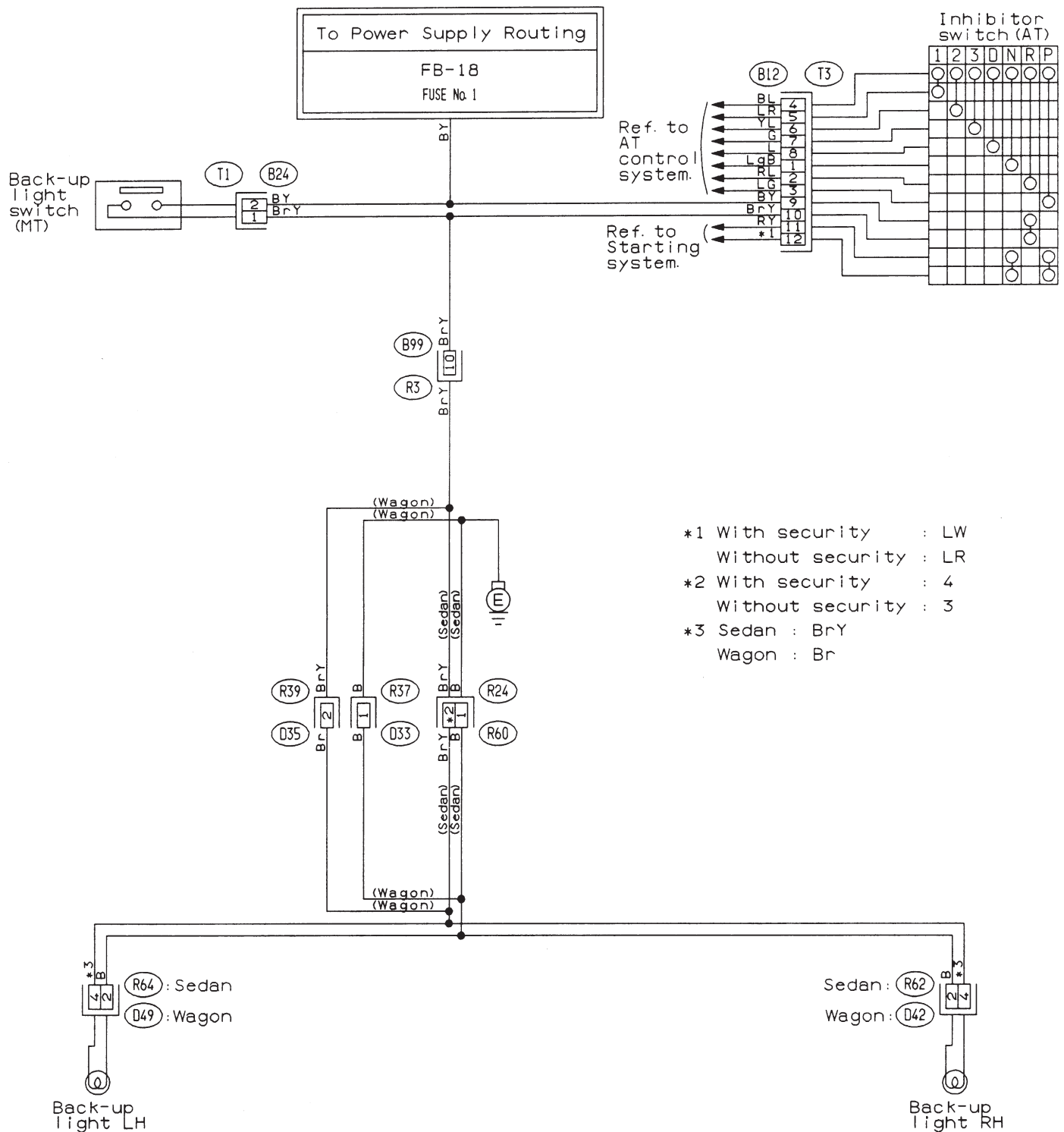
7. AUDIO SYSTEM

• RHD model



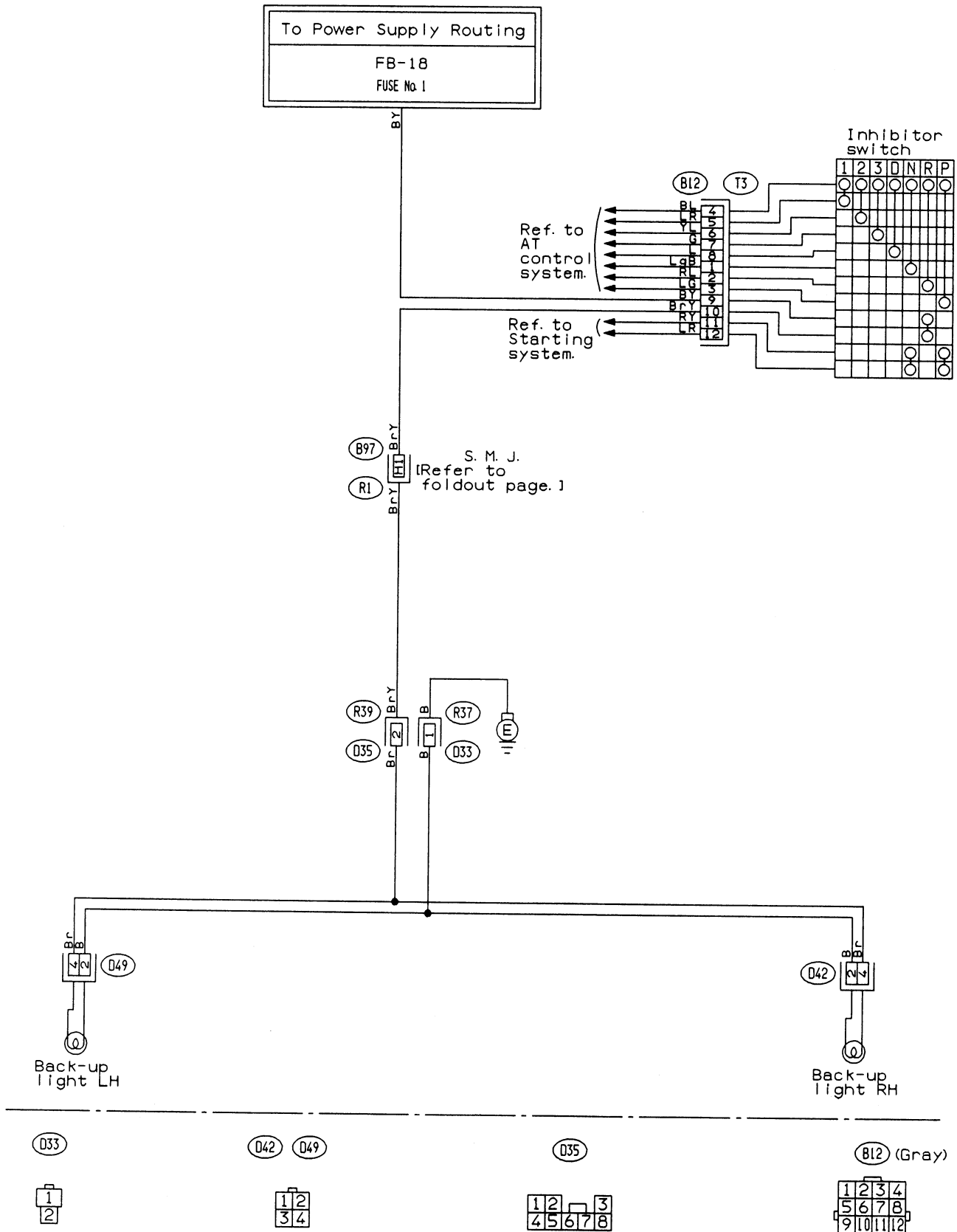
8. BACK-UP LIGHT SYSTEM

● LHD model

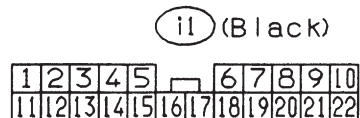
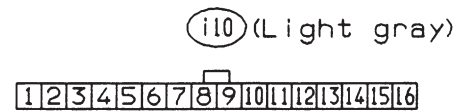
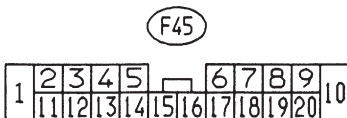
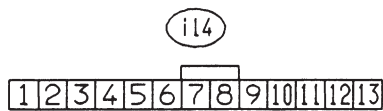
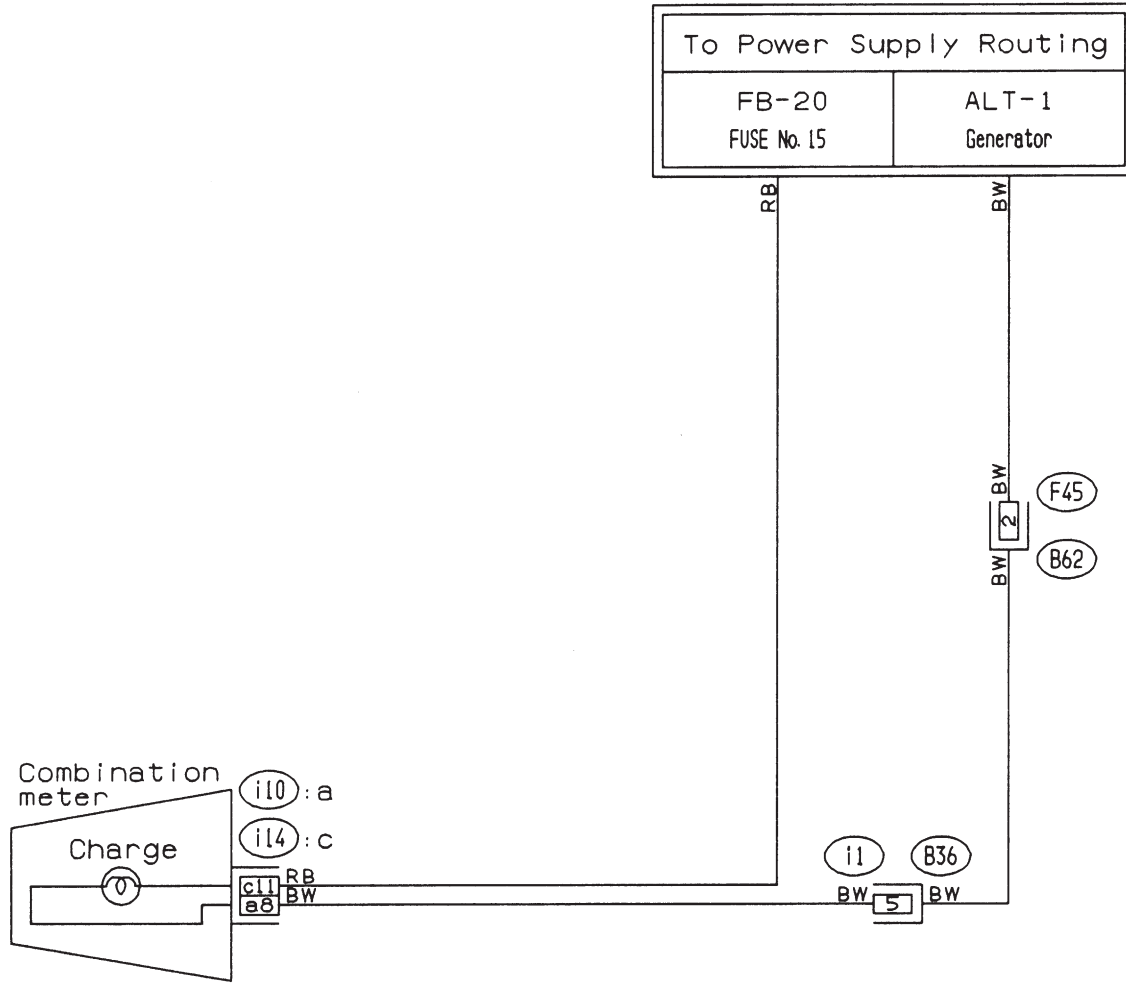


8. BACK-UP LIGHT SYSTEM

- RHD model

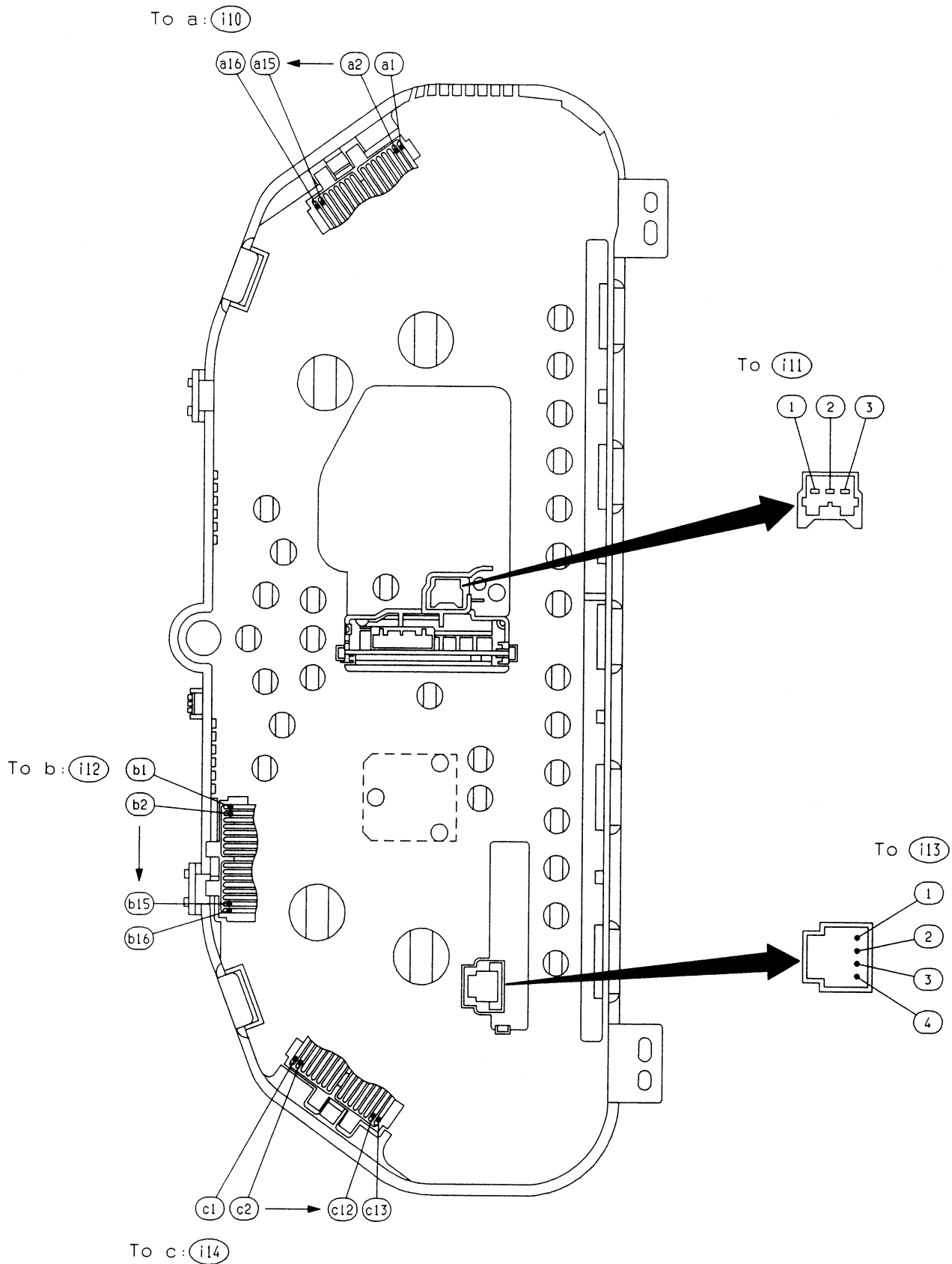


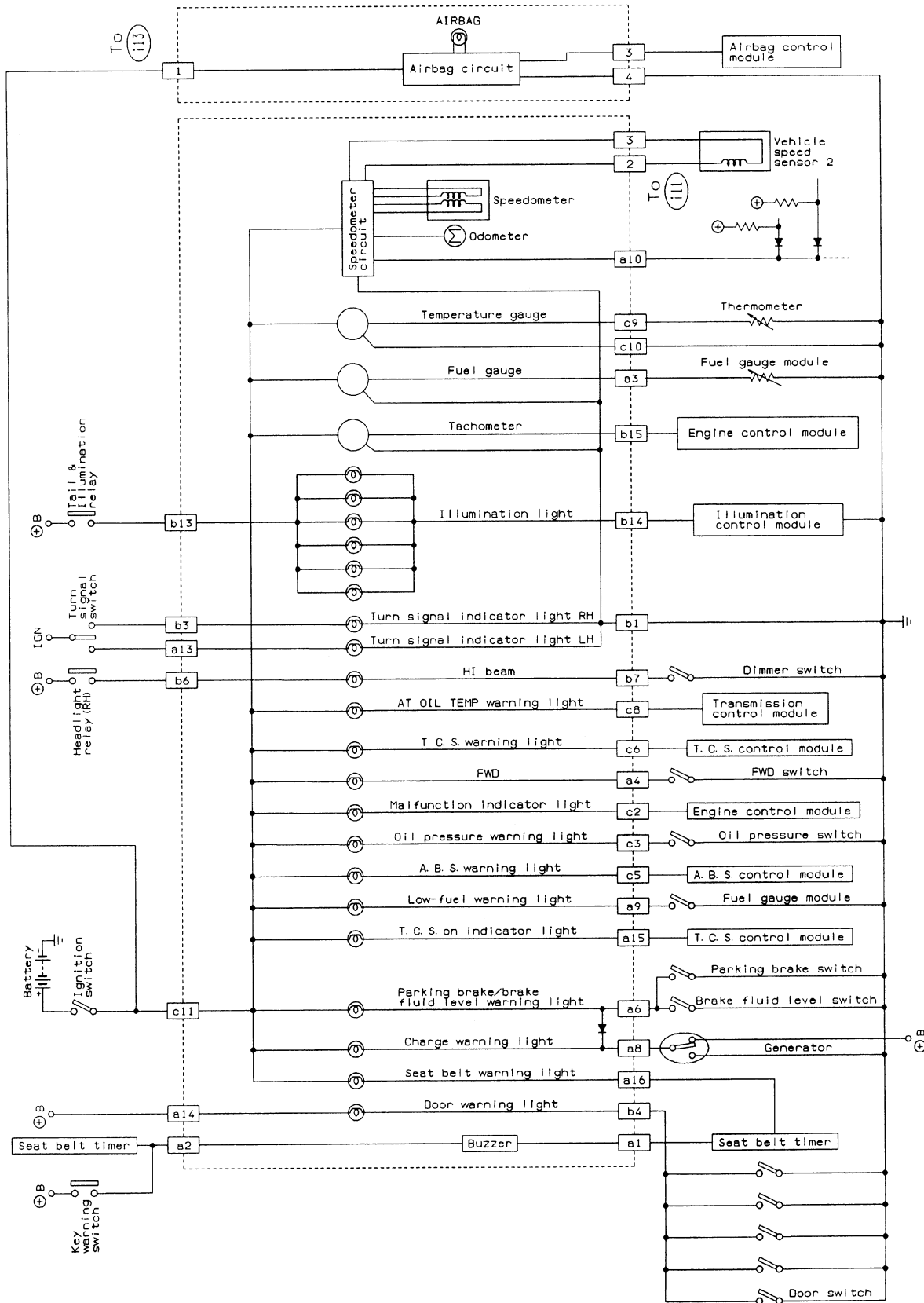
9. CHARGE WARNING SYSTEM



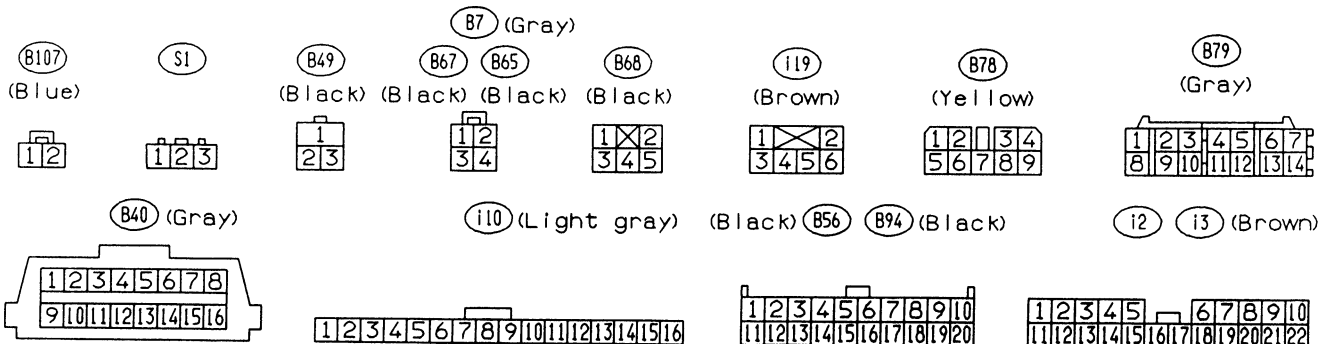
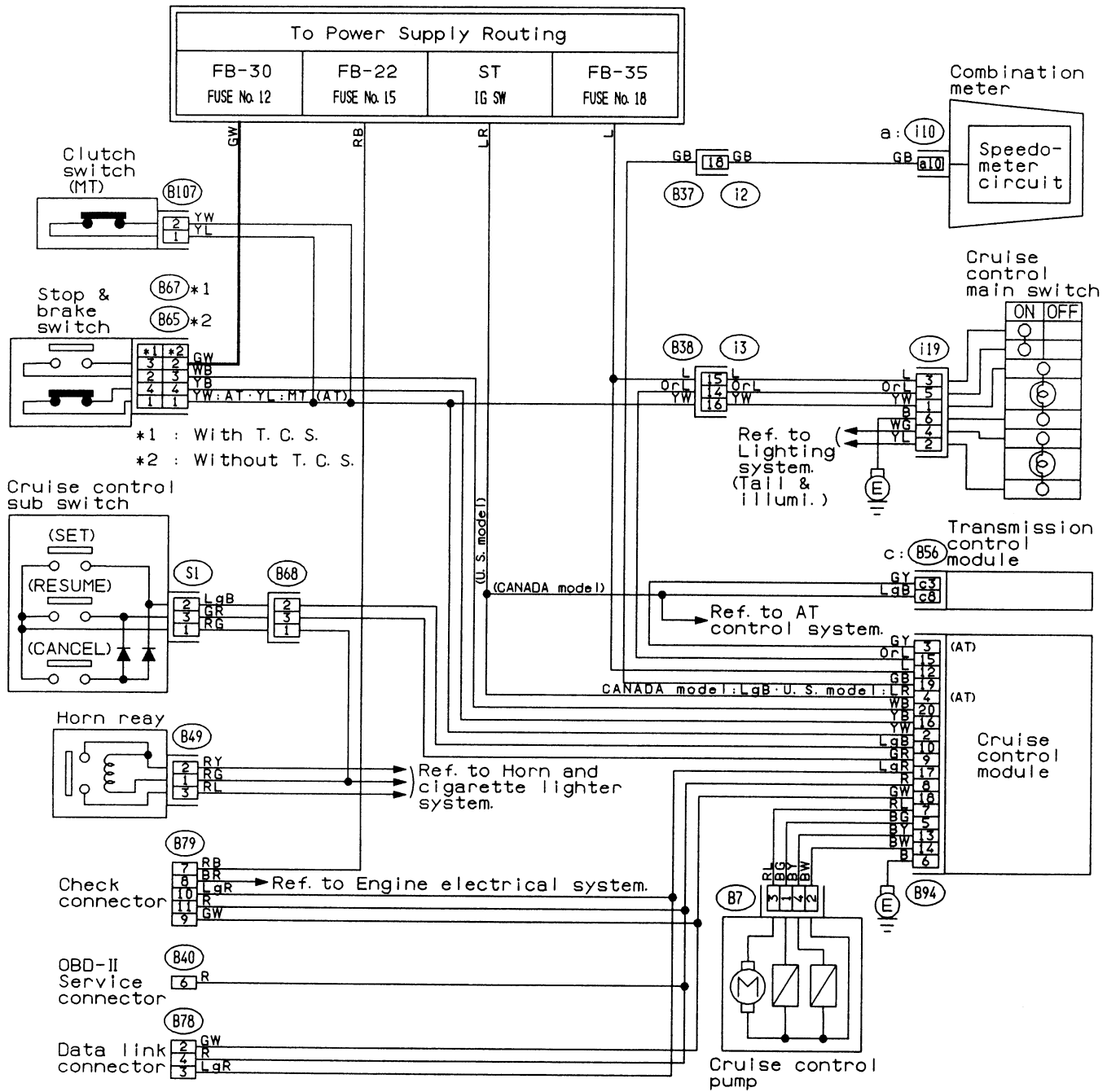
BU02-01

10. COMBINATION METER



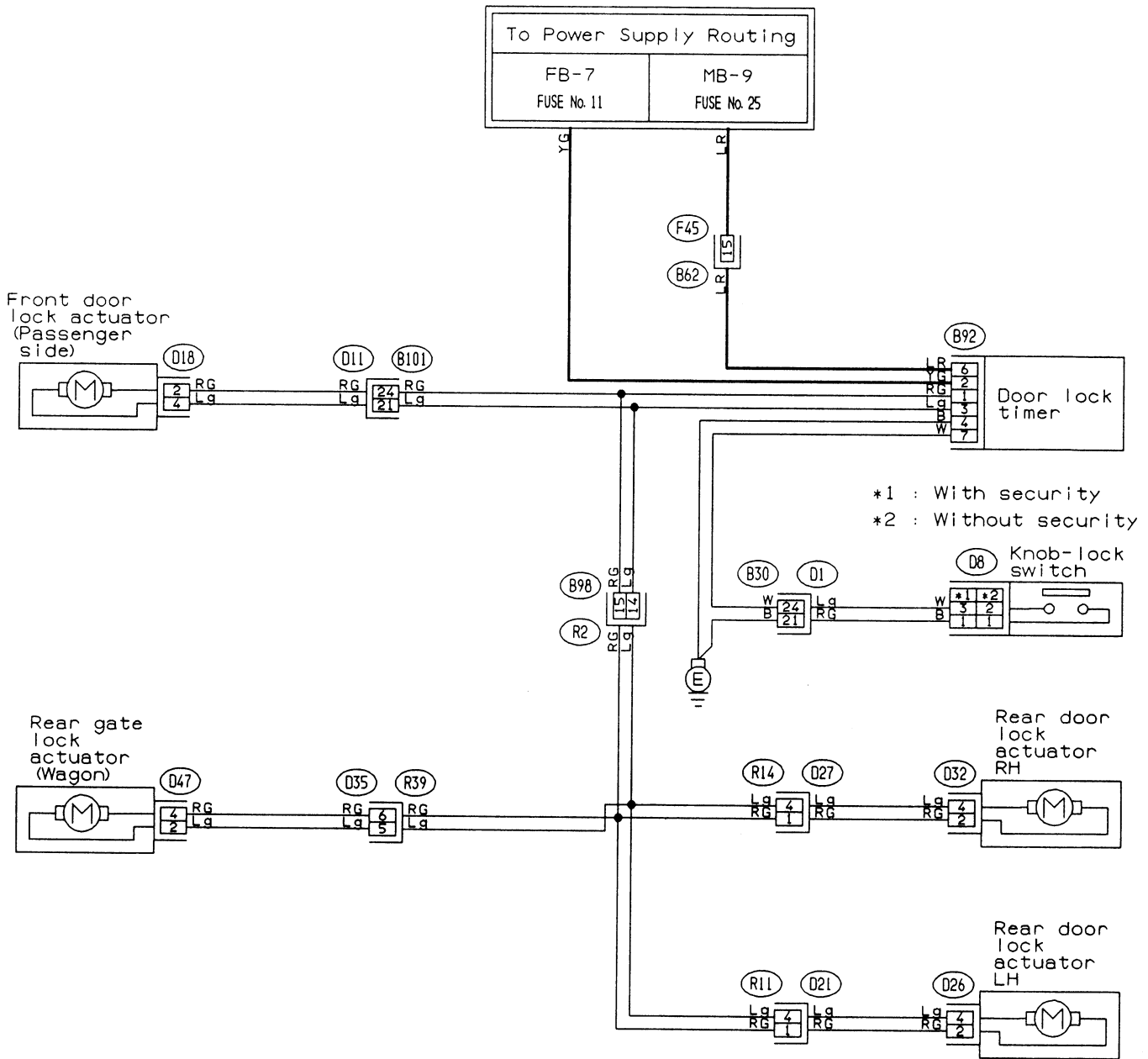


11. CRUISE CONTROL SYSTEM

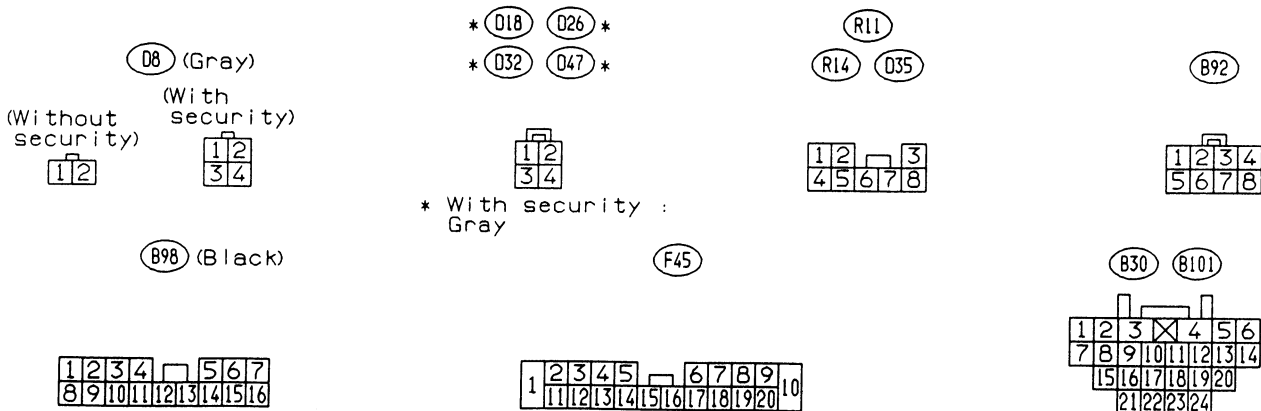


12. DOOR LOCK SYSTEM

● LHD model



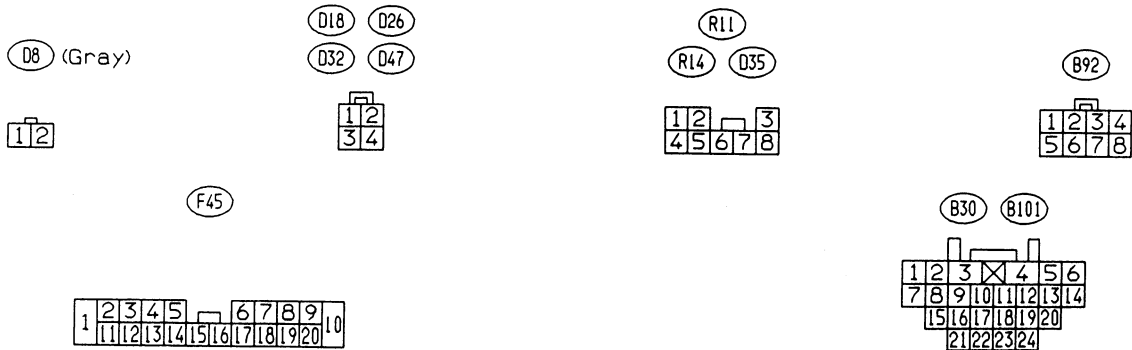
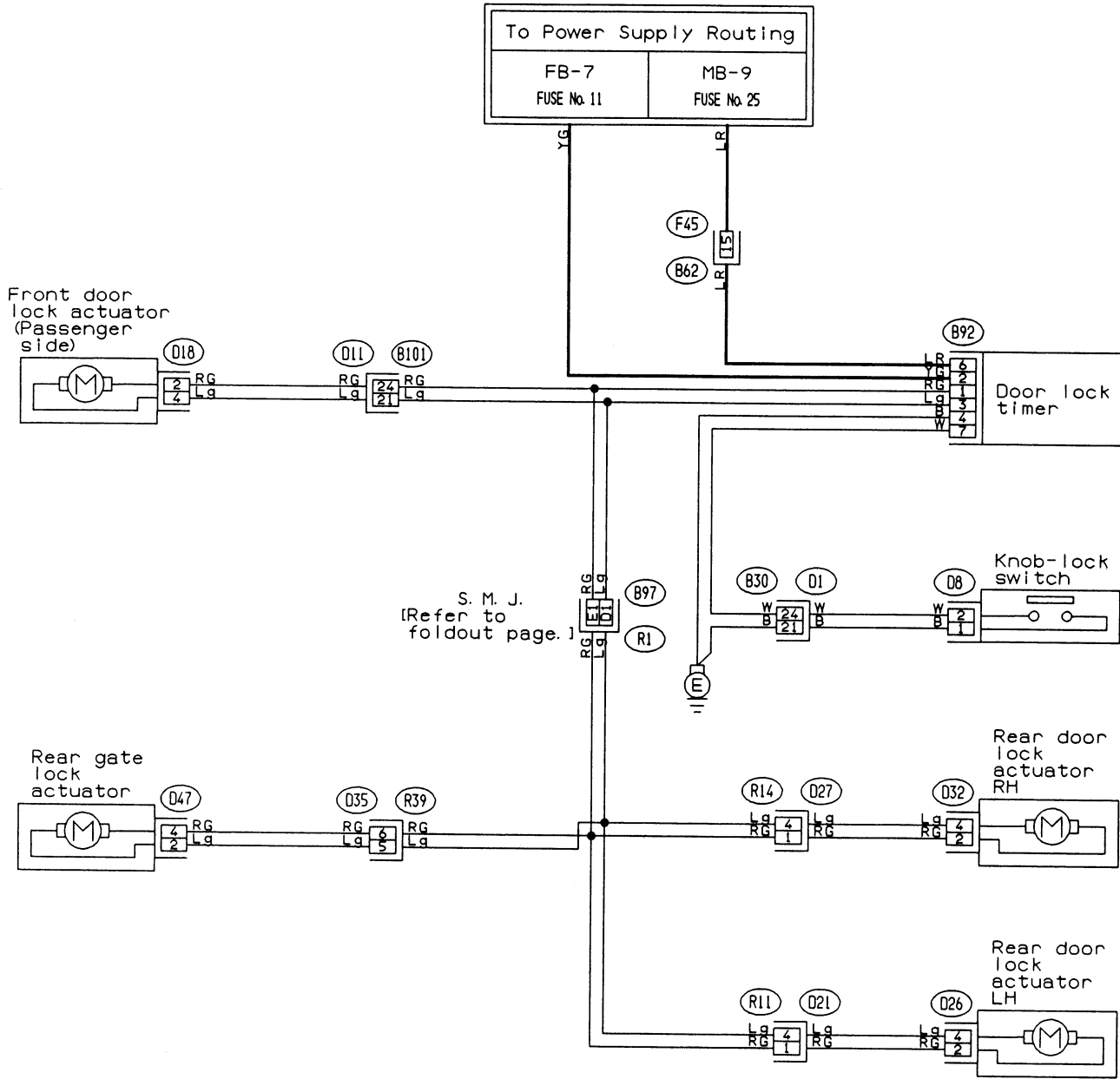
*1 : With security
*2 : Without security



* With security : Gray

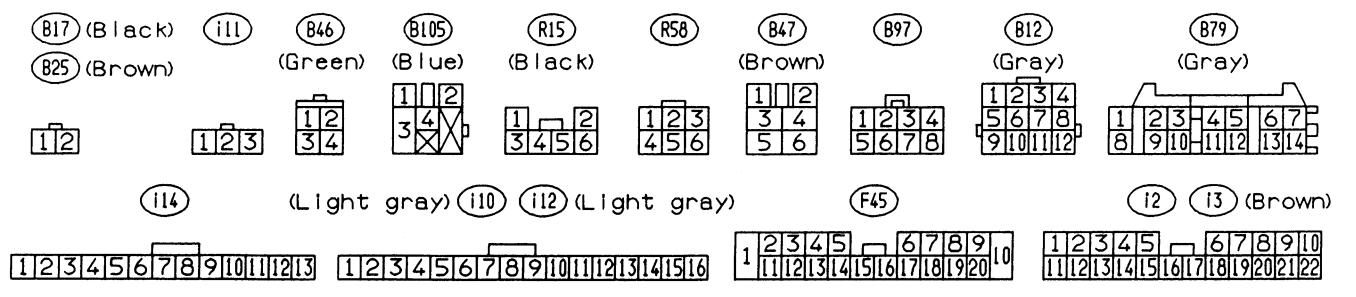
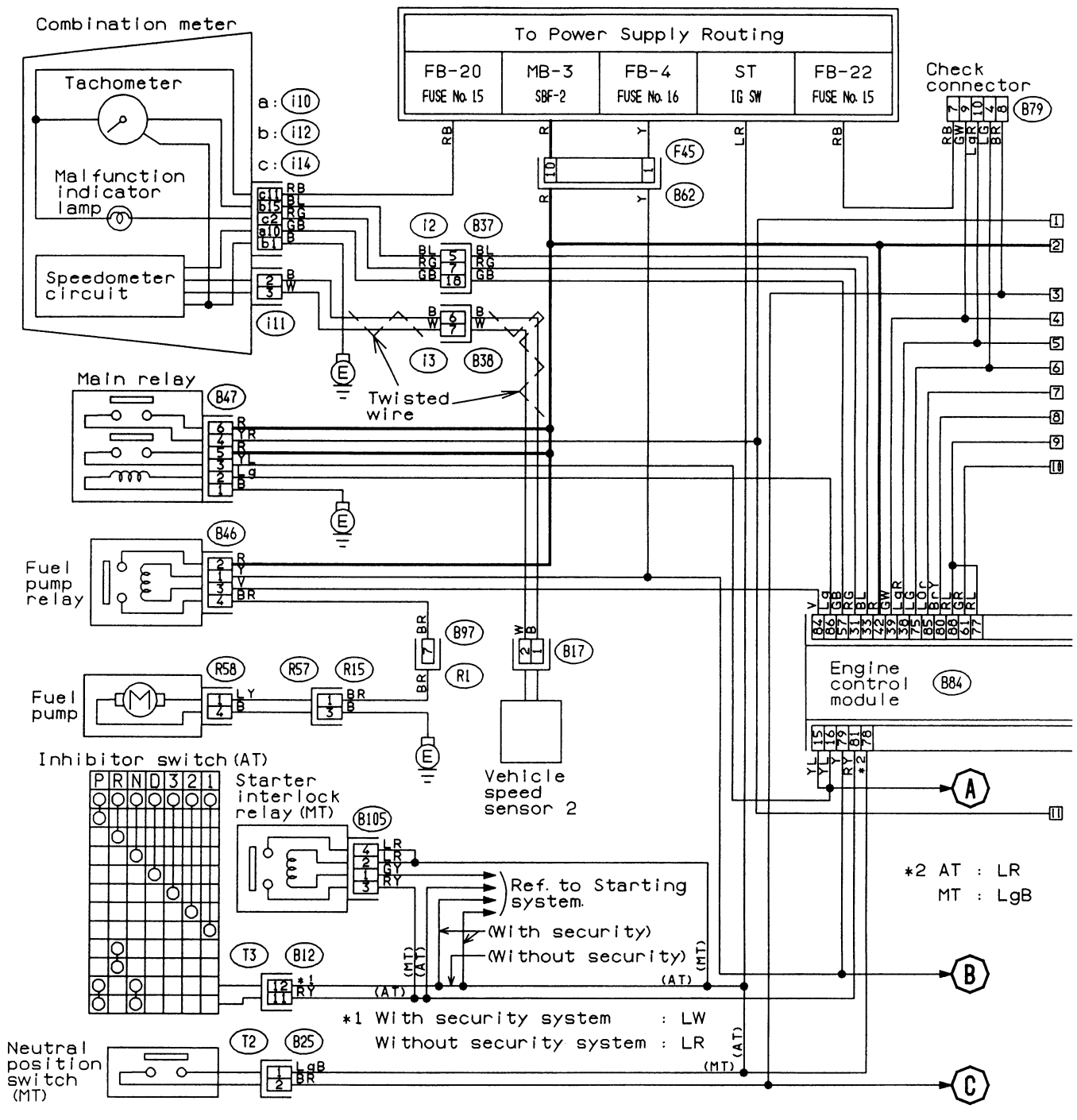
12. DOOR LOCK SYSTEM

● RHD model

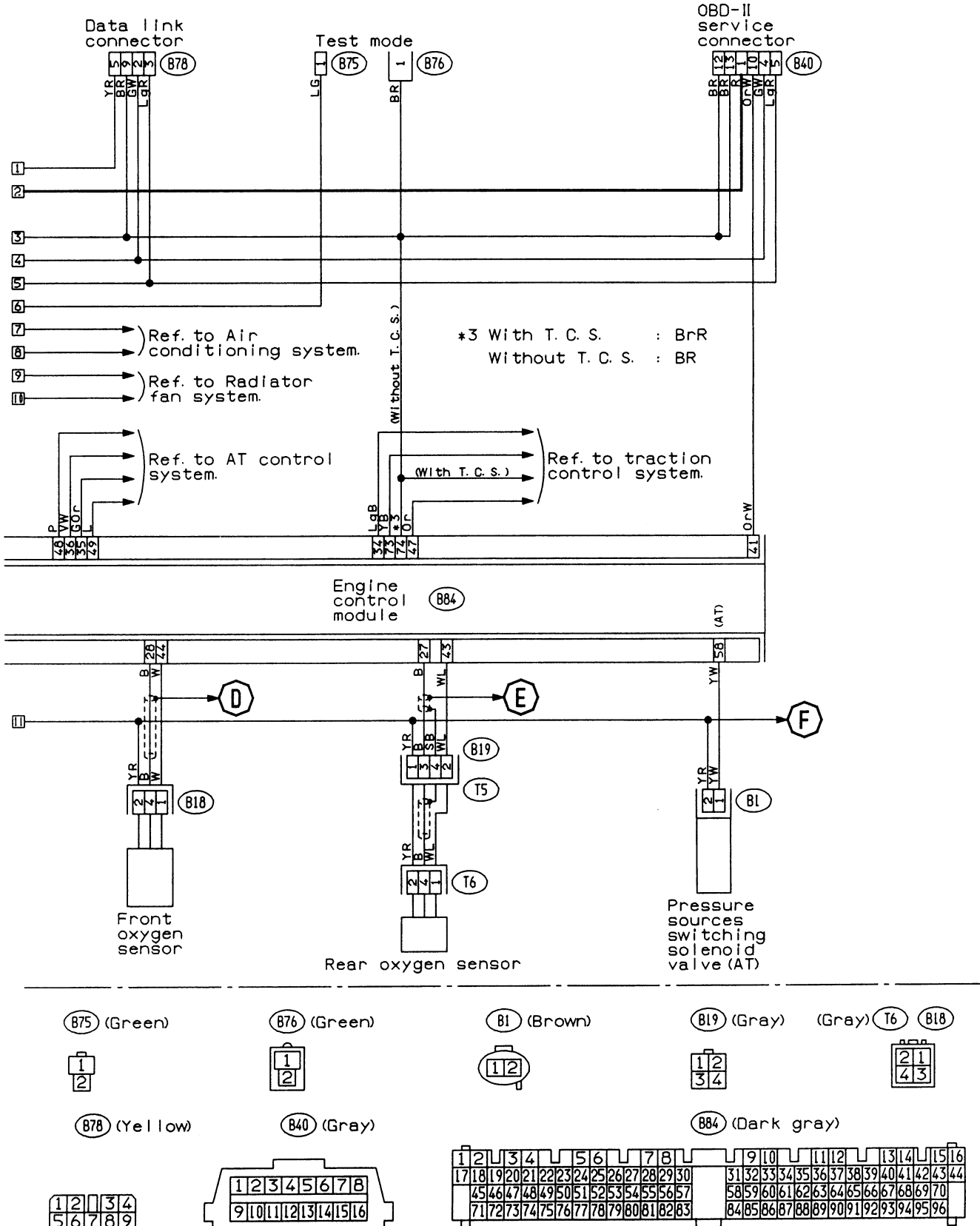


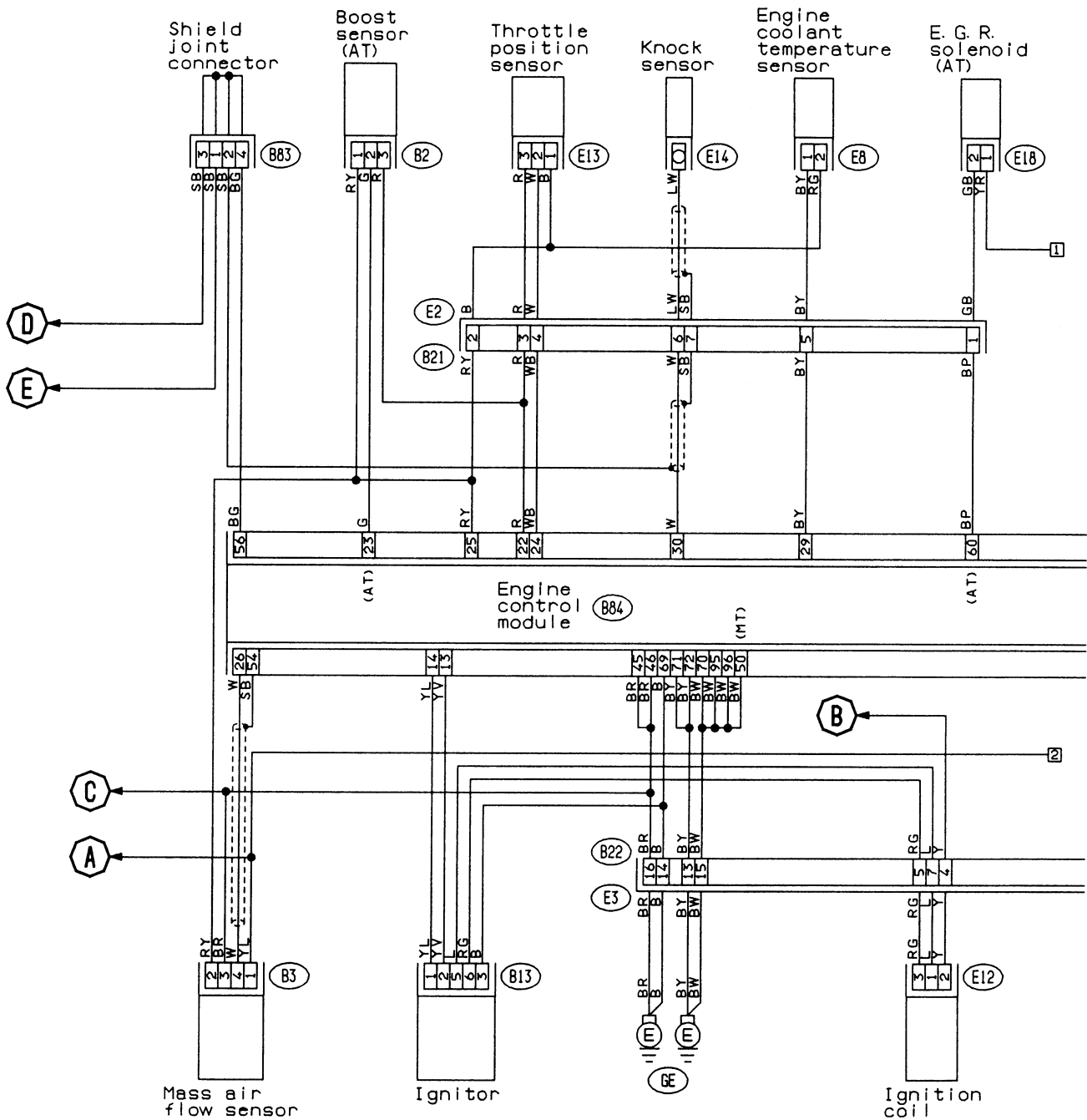
13. ENGINE ELECTRICAL SYSTEM

● LHD model



6. Wiring Diagram

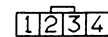




(Brown) (E18) (E8) (Brown) (Black) (B2) (E13) (Brown)

(E12) (Gray)

(B83)

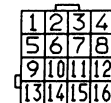
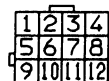
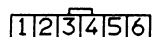
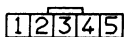


(B3) (Gray)

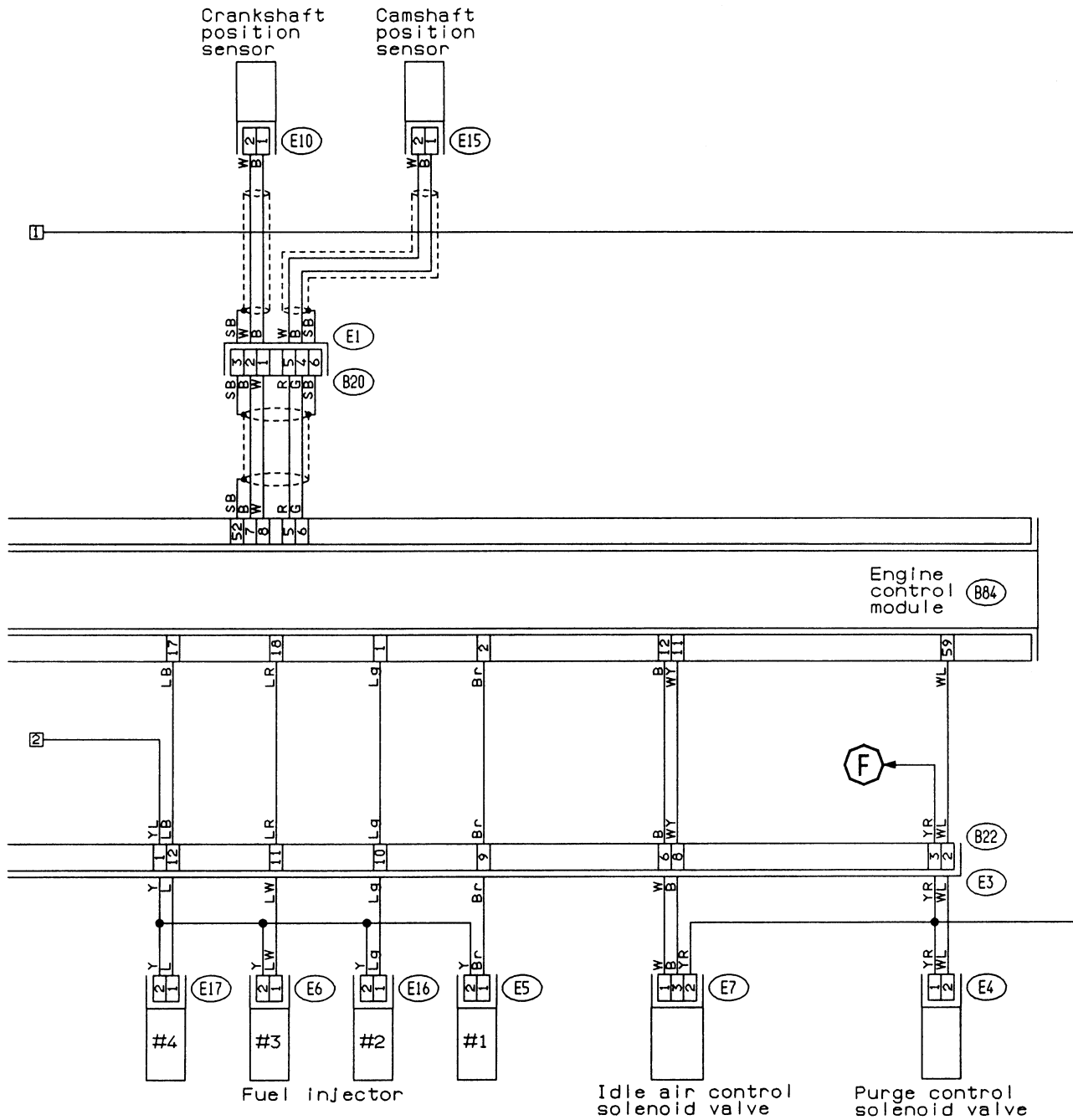
(B13) (Gray)

(B21) (Light gray)

(B22) (Light gray)



6. Wiring Diagram



(E15) (Dark gray) (E5) (E16) (Light gray)

(E10) (Gray) (Dark gray) (E6) (E17) (Dark gray)

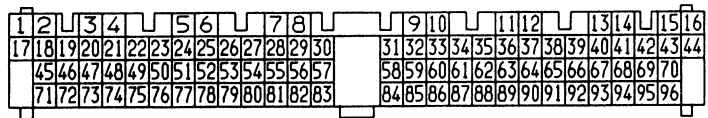


(B84) (Dark gray)

(E4) (Blue)

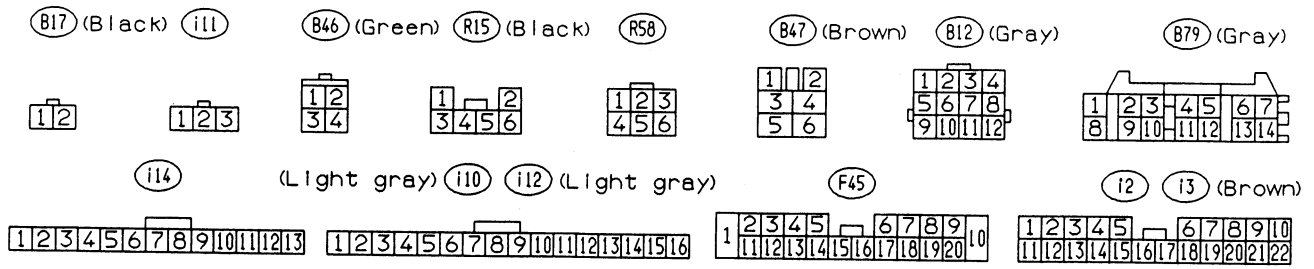
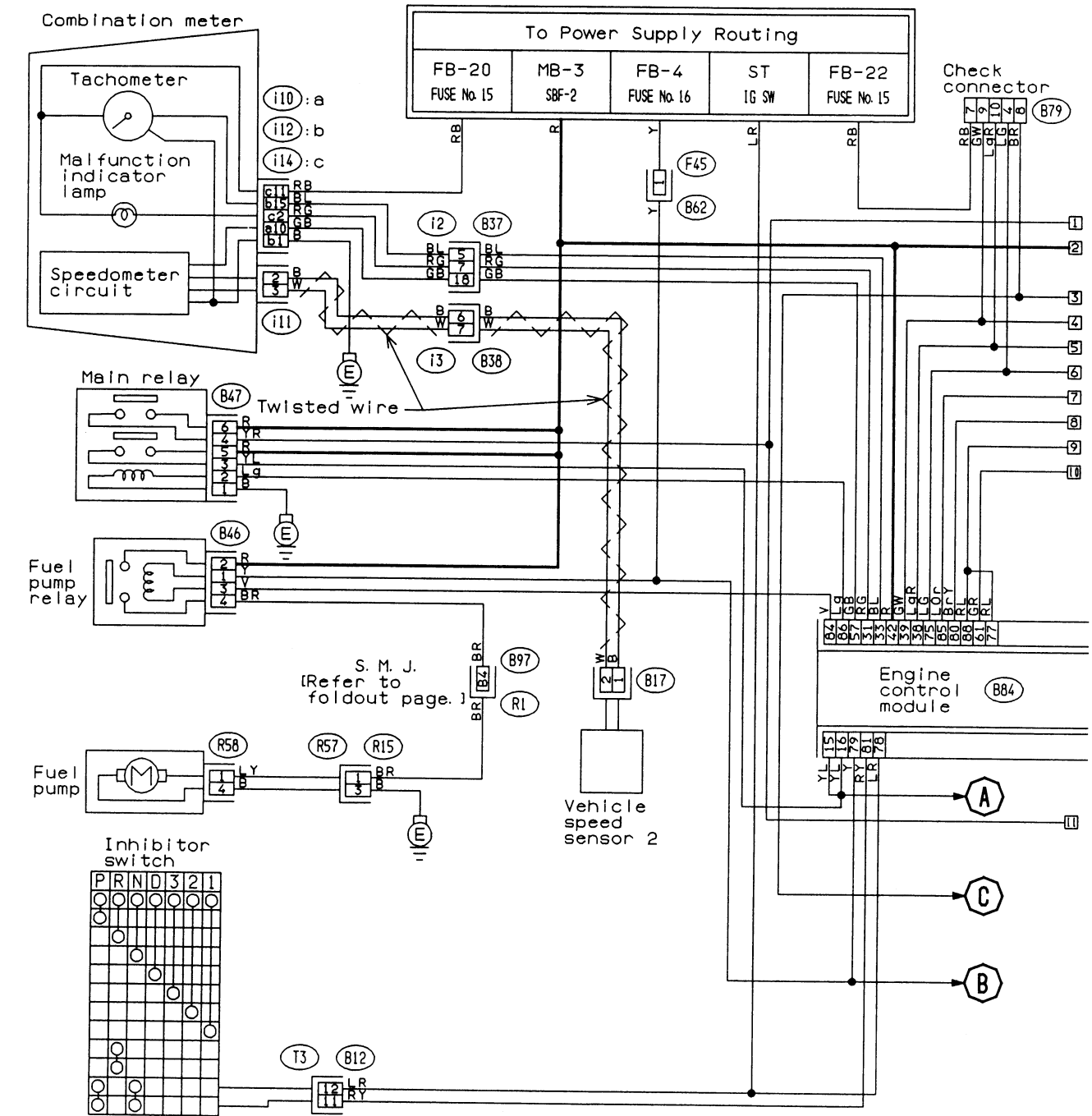
(E7) (Gray)

(B20) (Light gray)

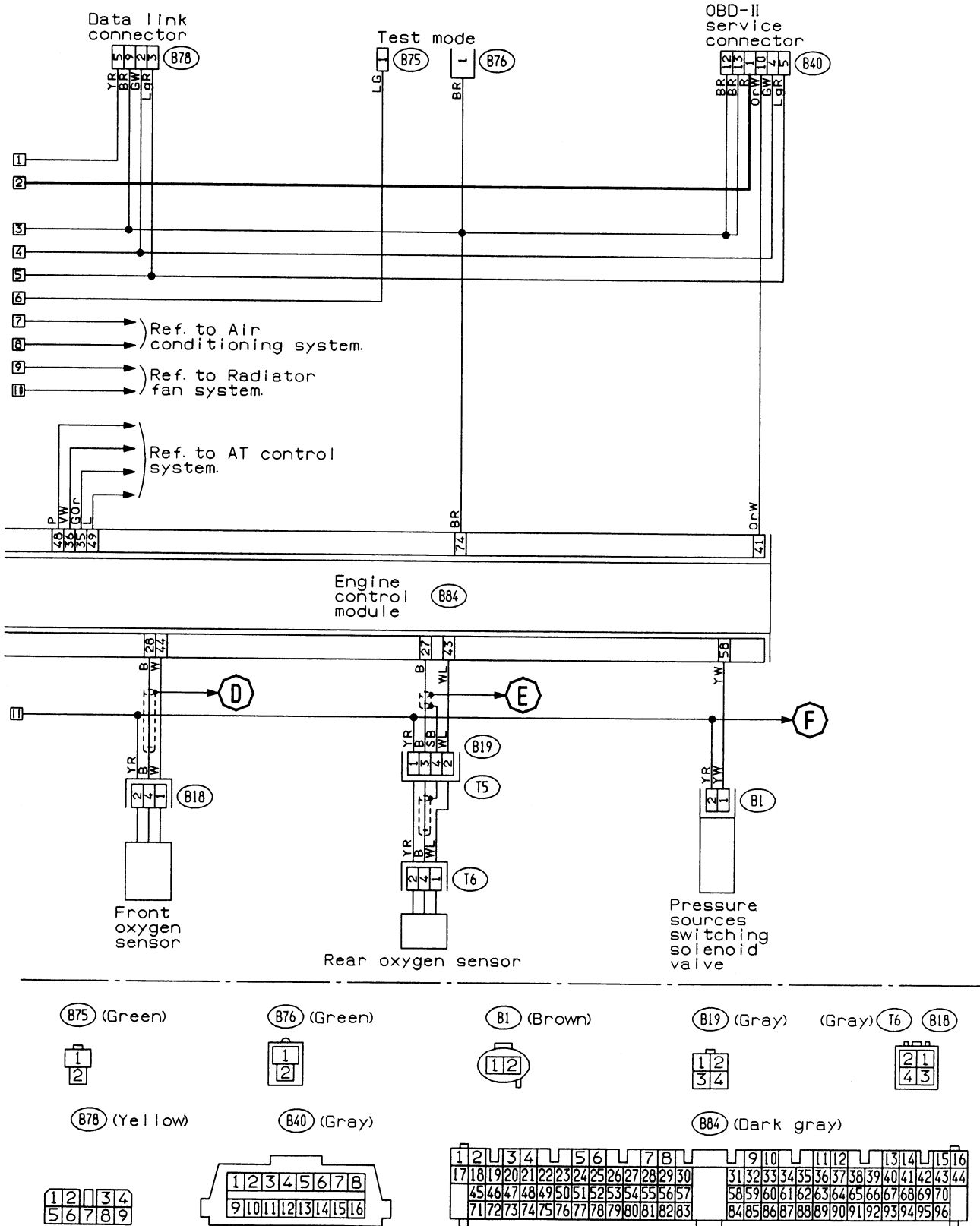


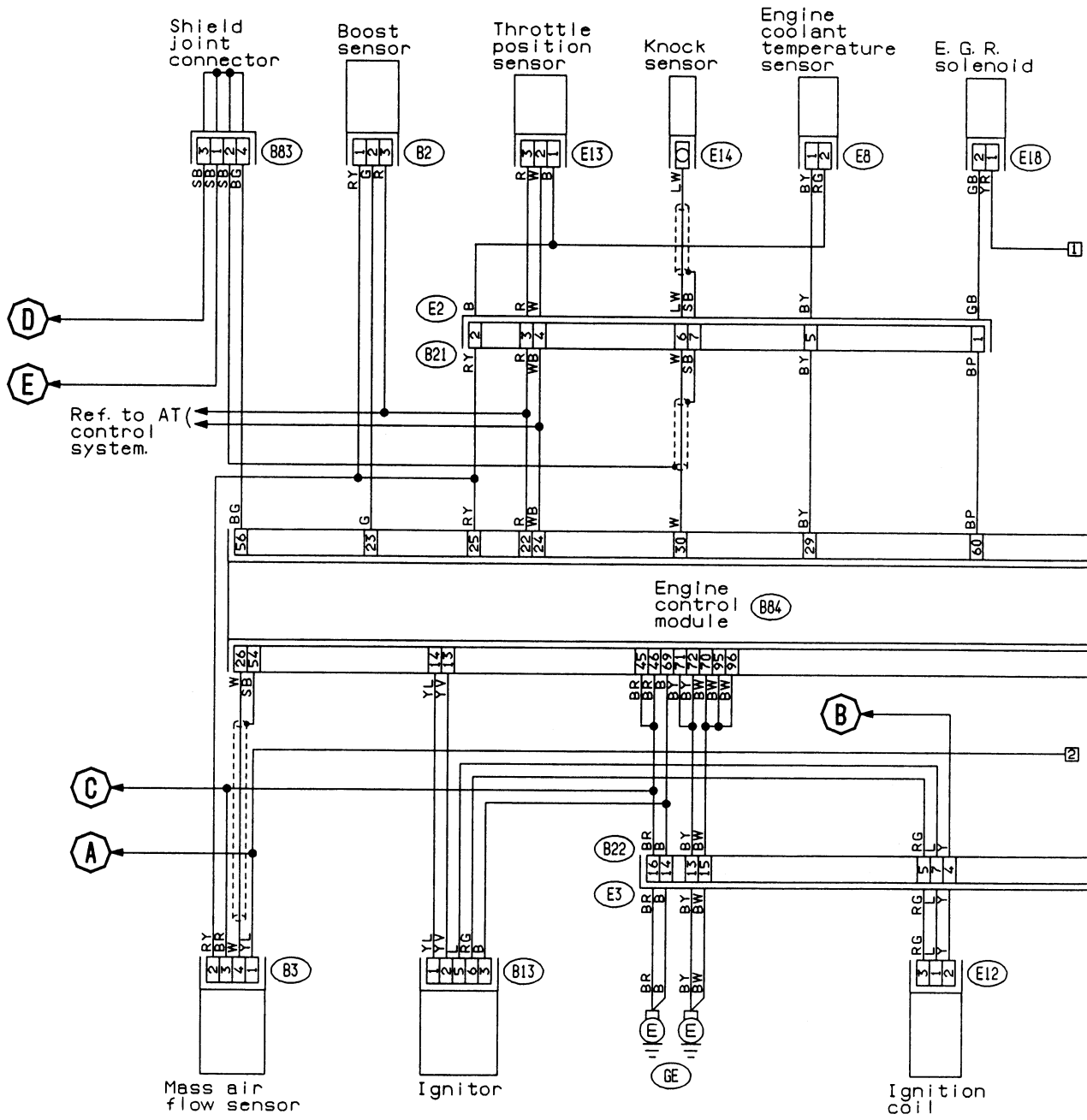
13. ENGINE ELECTRICAL SYSTEM

● RHD model



6. Wiring Diagram

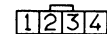




(Brown) (E18) (E8) (Brown) (Black) (B2) (E13) (Brown)

(E12) (Gray)

(B83)

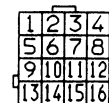
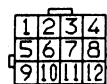
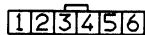
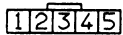


(B3) (Gray)

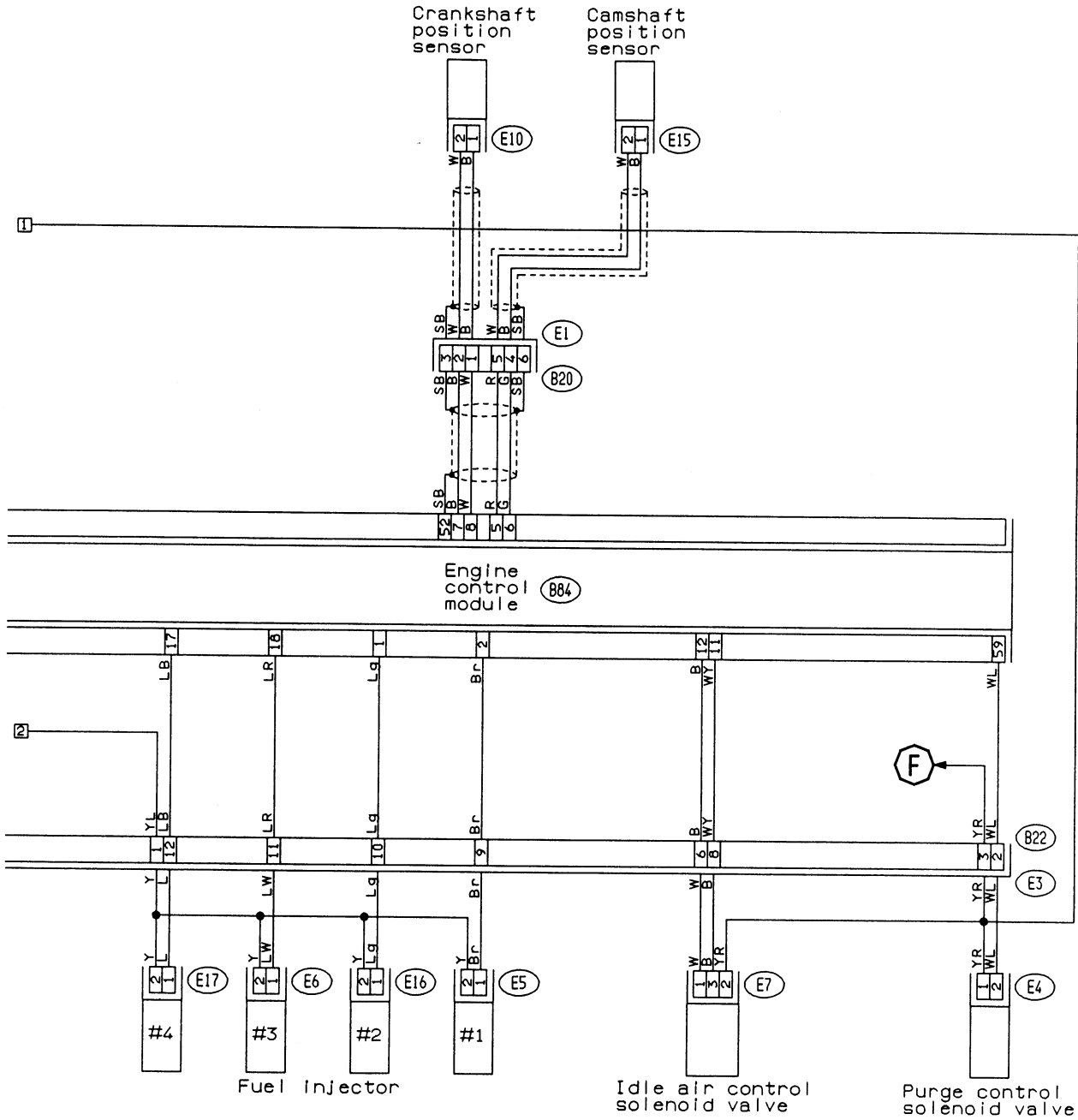
(B13) (Gray)

(B21) (Light gray)

(B22) (Light gray)



WIRING DIAGRAM



- (E15) (Dark gray) (Light gray) (E5) (E16) (Light gray)
- (E10) (Gray) (Dark gray) (E6) (E17) (Dark gray)



(B84) (Dark gray)

(E4) (Blue)

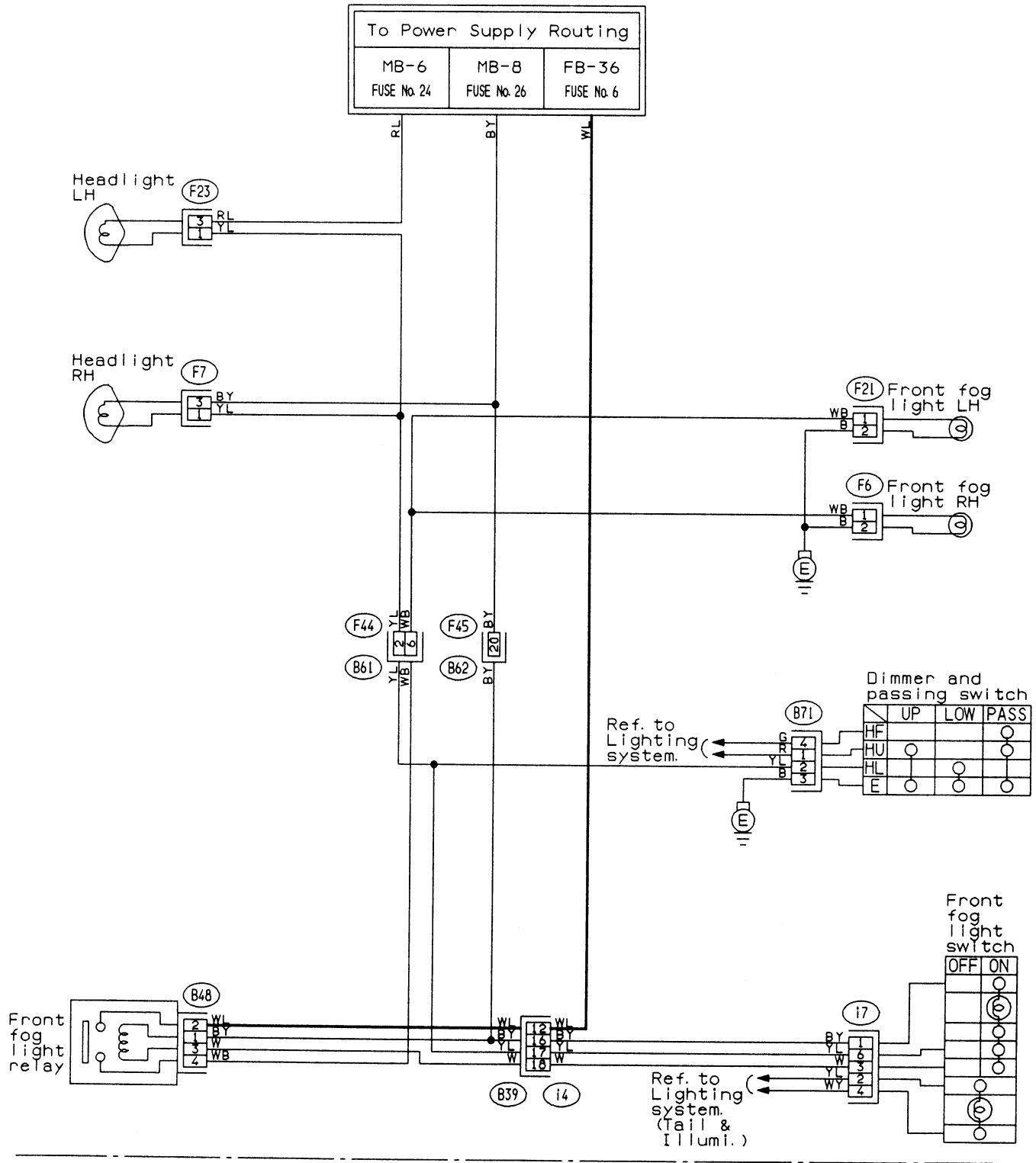
(E7) (Gray)

(B20) (Light 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	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44																								
45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96

14. FRONT FOG LIGHT SYSTEM



- (F6)
 - (F7) (Black)
 - (F21)
 - (F23) (Black)
 - (B48) (Blue)
 - (i7) (Yellow)
 - (F44)
 - (B71)
 - (F45)
 - (i4) (Blue)
- 1 2

1 2 3
2 1 3

1 2
3 4

1 2 3 4
3 4 5 6

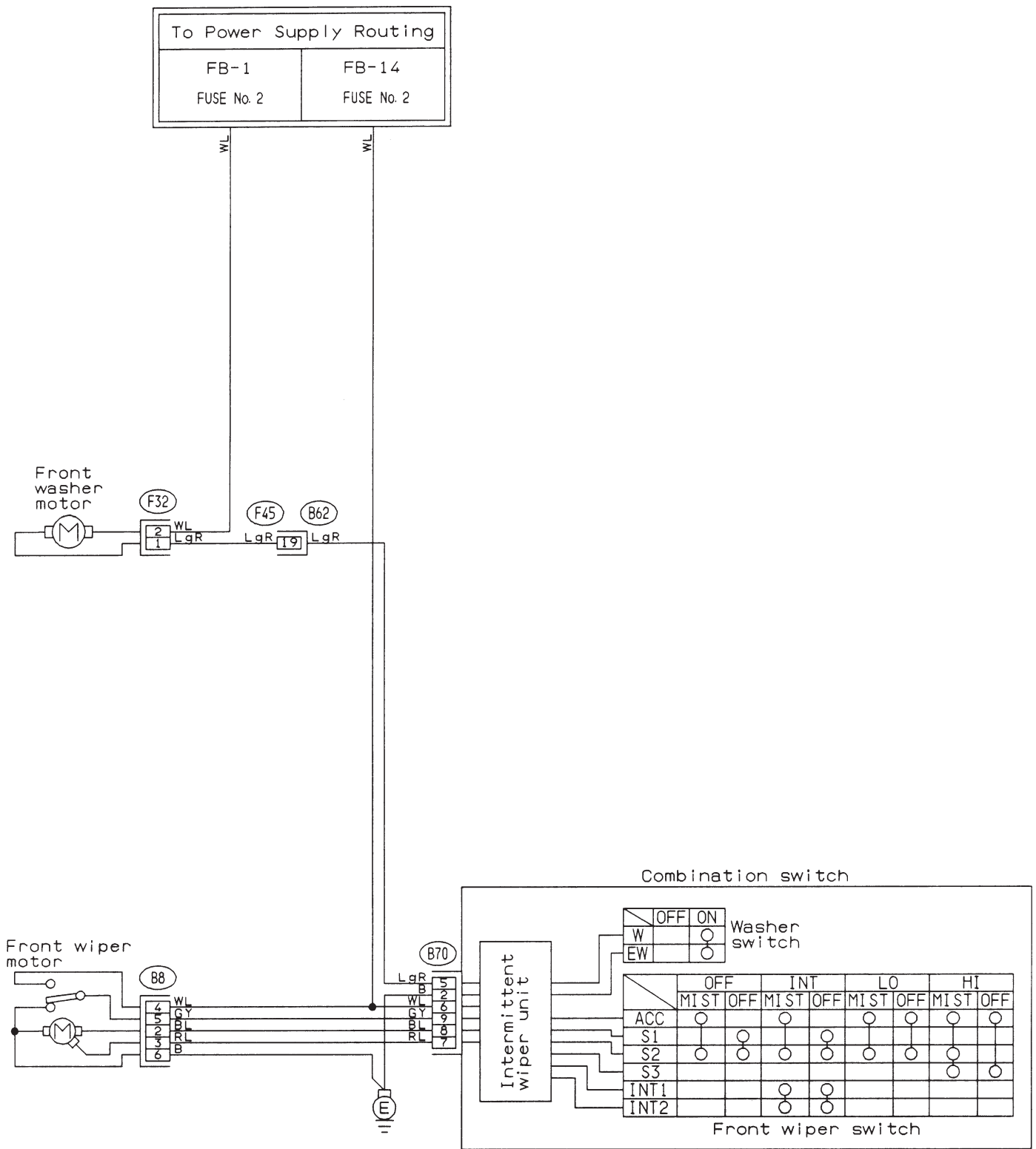
1 2 3 4
5 6 7 8

1 2 3 4
5 6 7 8

1 2 3 4 5 6 7 8 9 10
1 1 1 2 1 3 1 4 1 5 1 6 1 7 1 8 1 9 2 0

15. FRONT WIPER AND WASHER SYSTEM

● LHD model



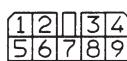
F32 (Green)



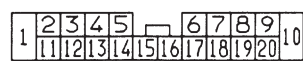
B8



B70

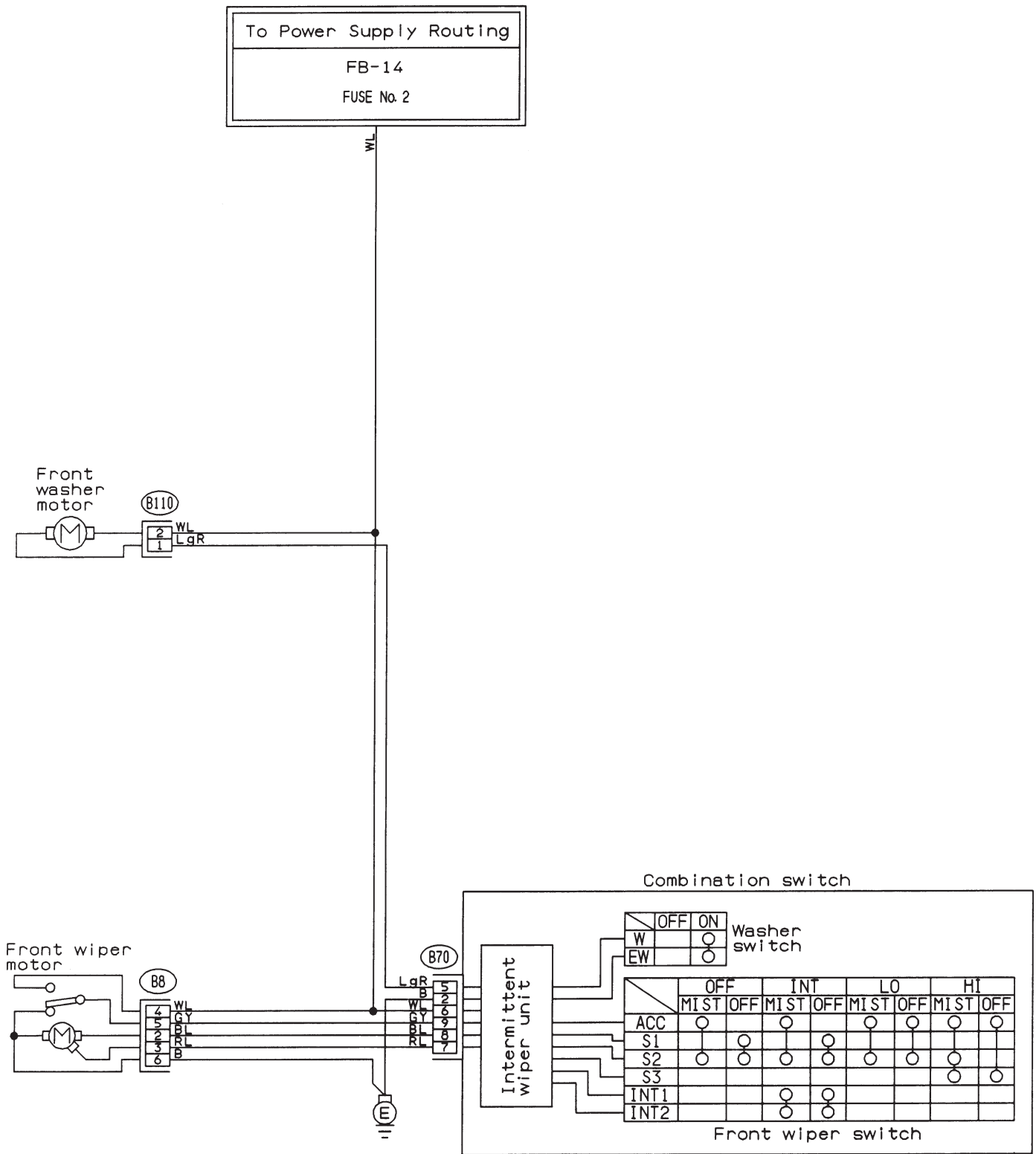


F45



15. FRONT WIPER AND WASHER SYSTEM

● RHD model



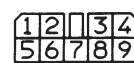
(B110) (Green)



(B8)

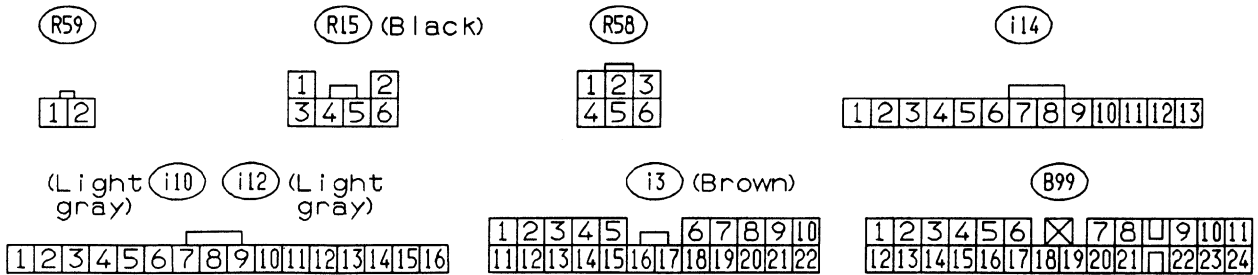
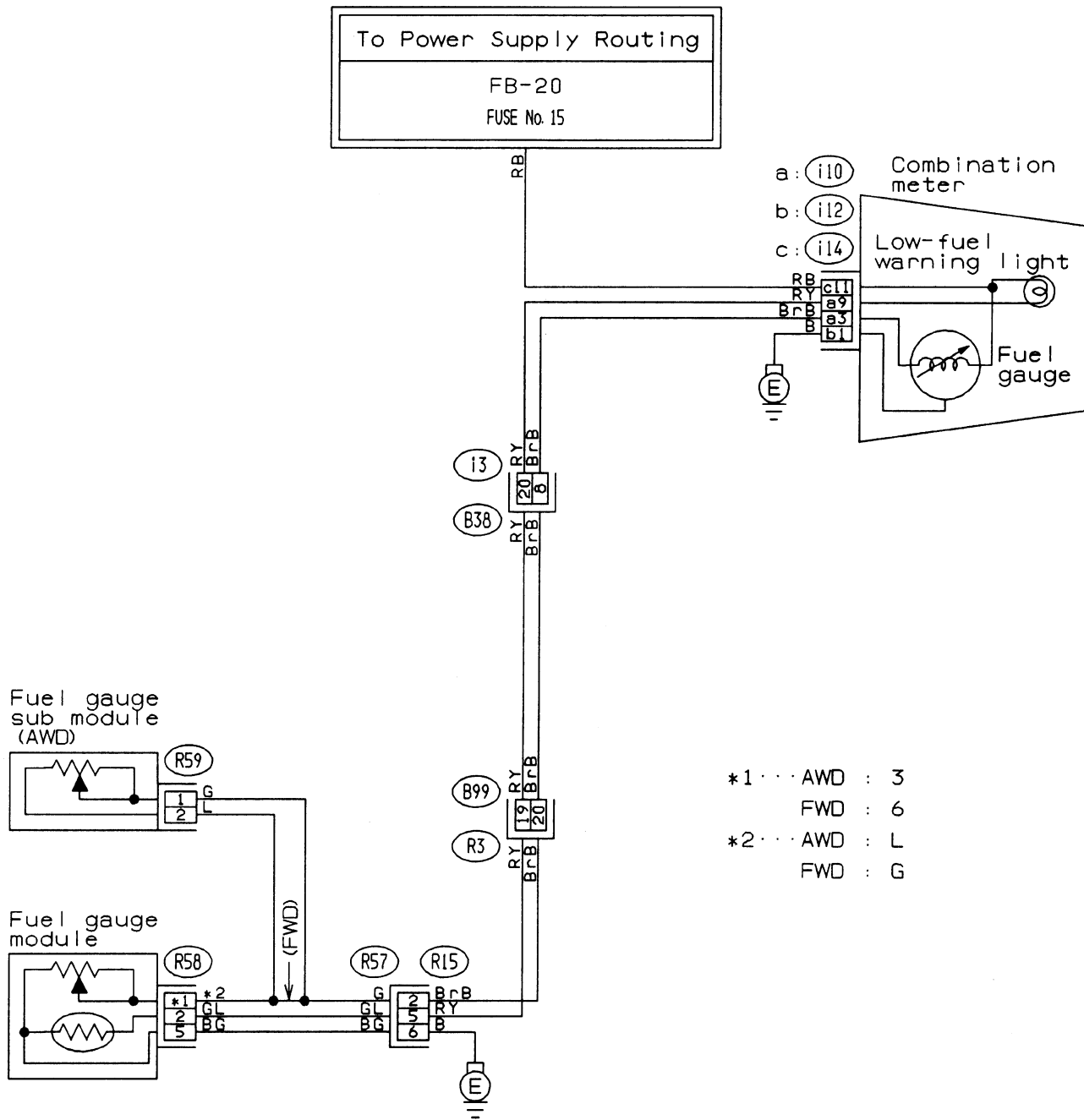


(B70)



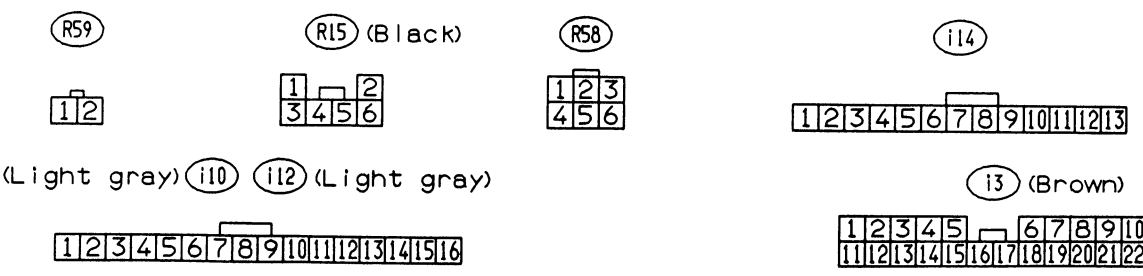
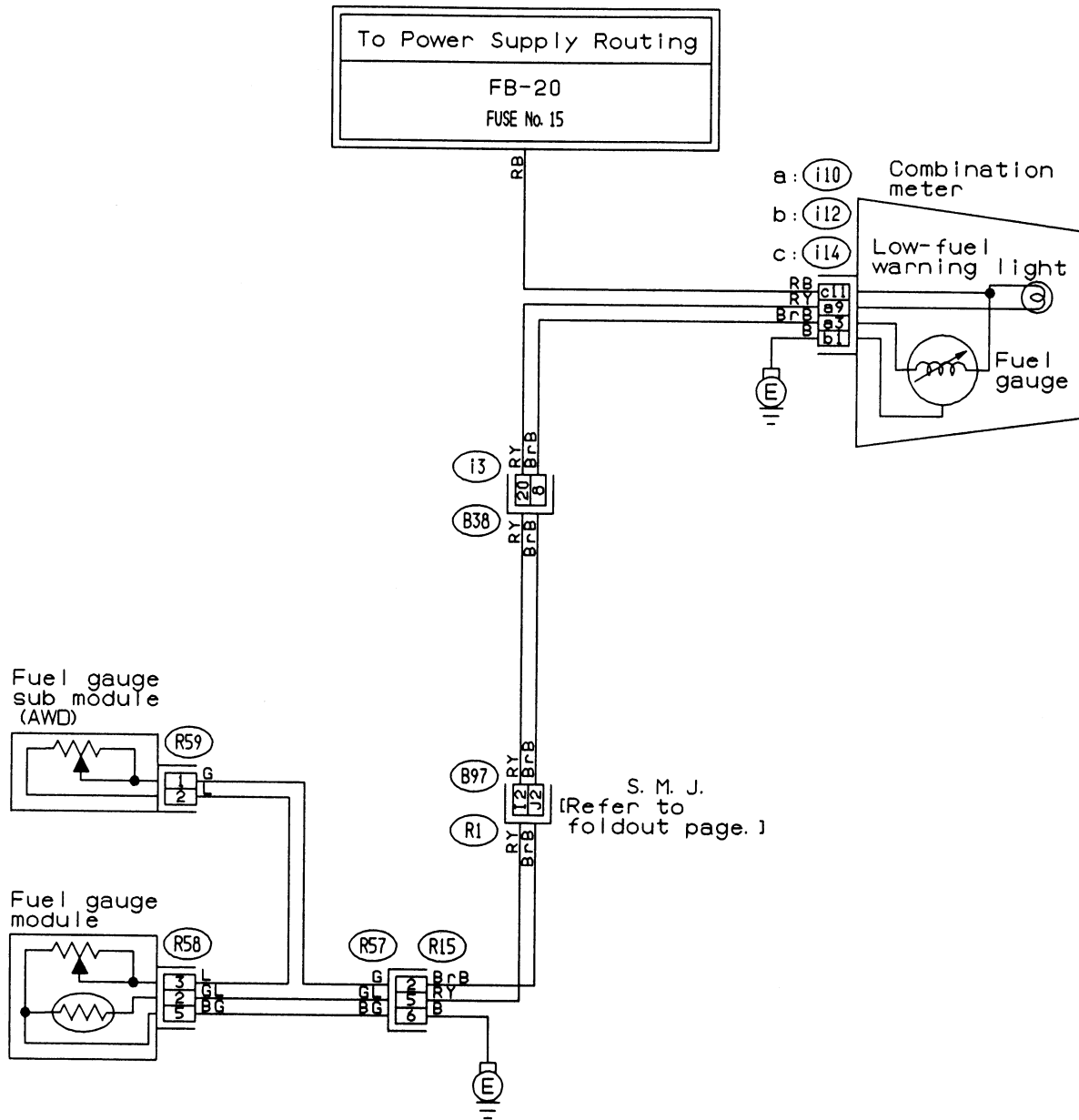
16. FUEL GAUGE SYSTEM

● LHD model



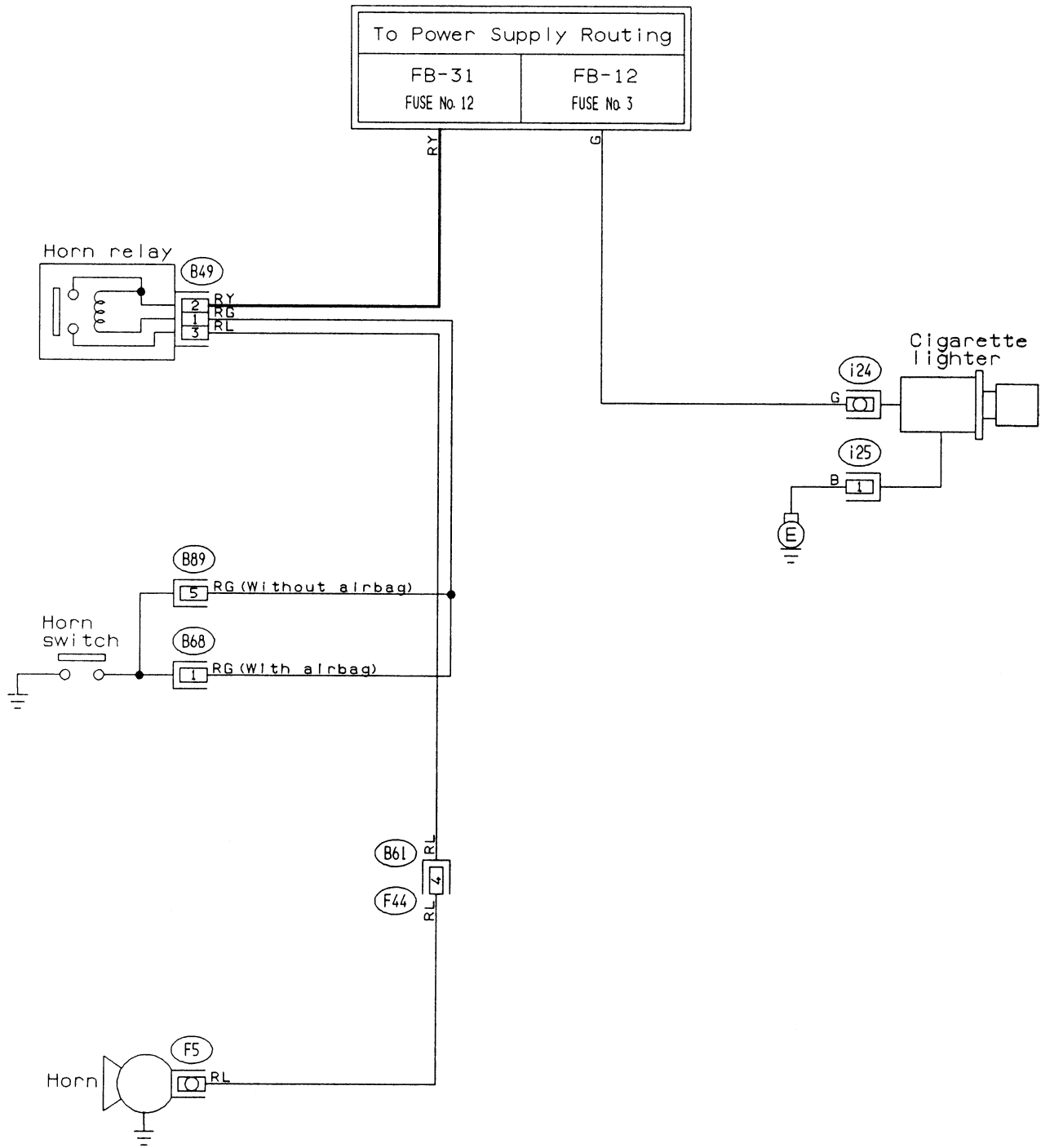
16. FUEL GAUGE SYSTEM

● RHD model



17. HORN AND CIGARETTE LIGHTER SYSTEM

● LHD model



(i25)

(B49) (Black)



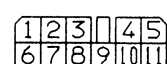
(B68) (Black)



(F44)

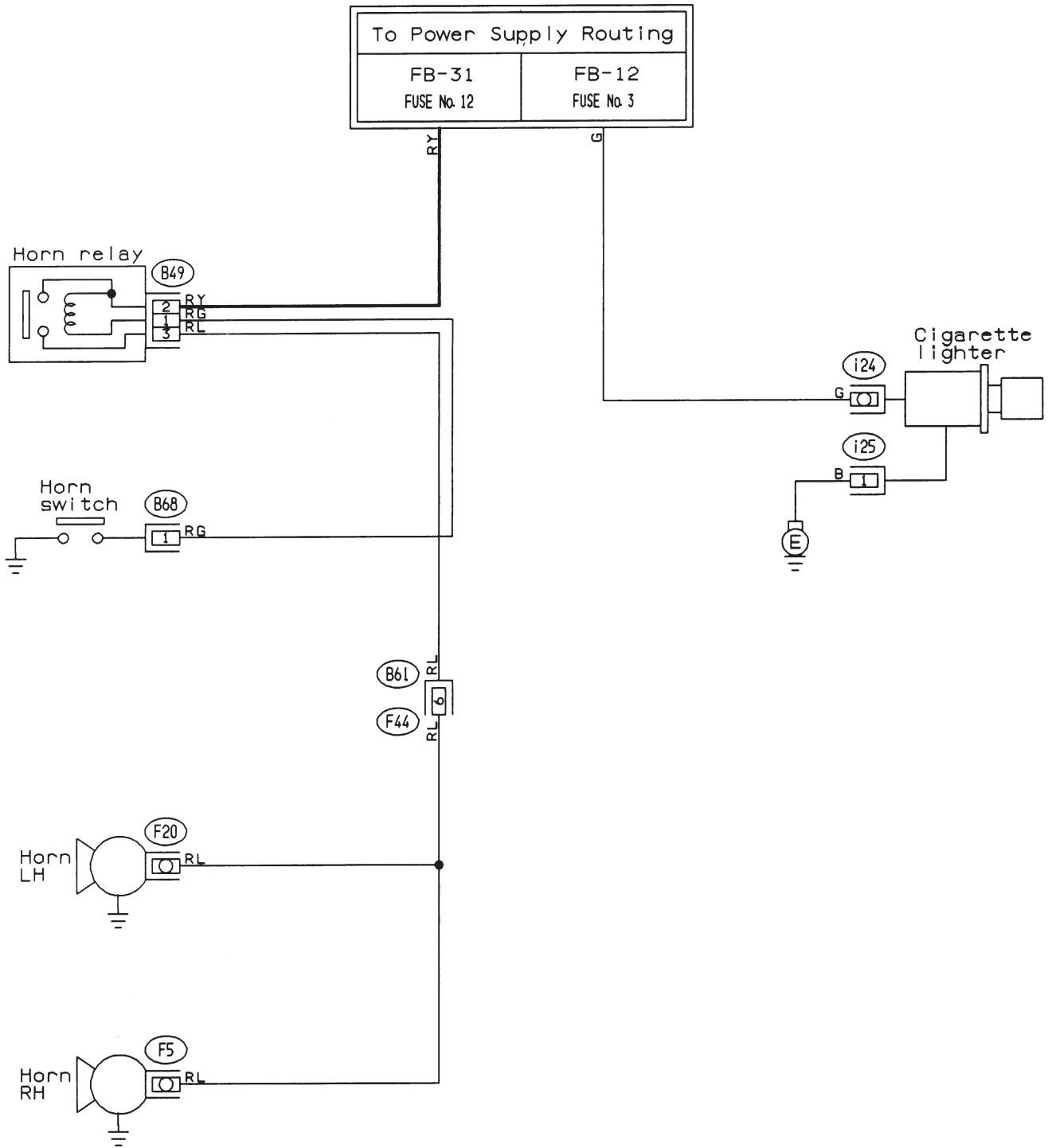


(B89) (Black)



17. HORN AND CIGARETTE LIGHTER SYSTEM

● RHD model



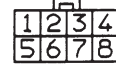
(i25) (B49) (Black)



(B68) (Black)



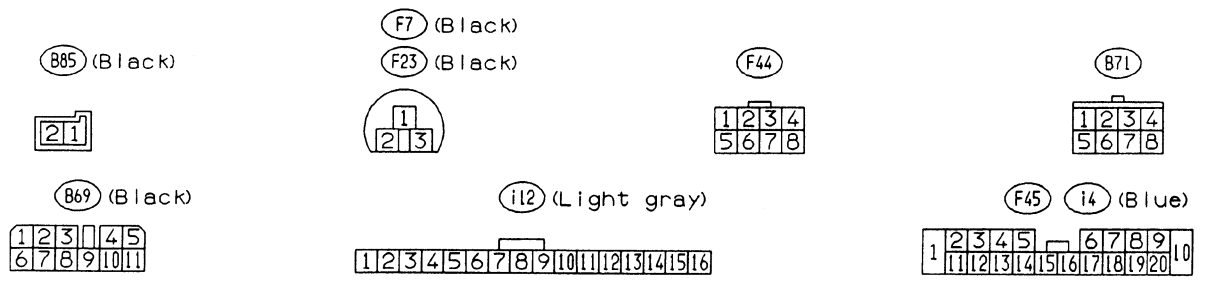
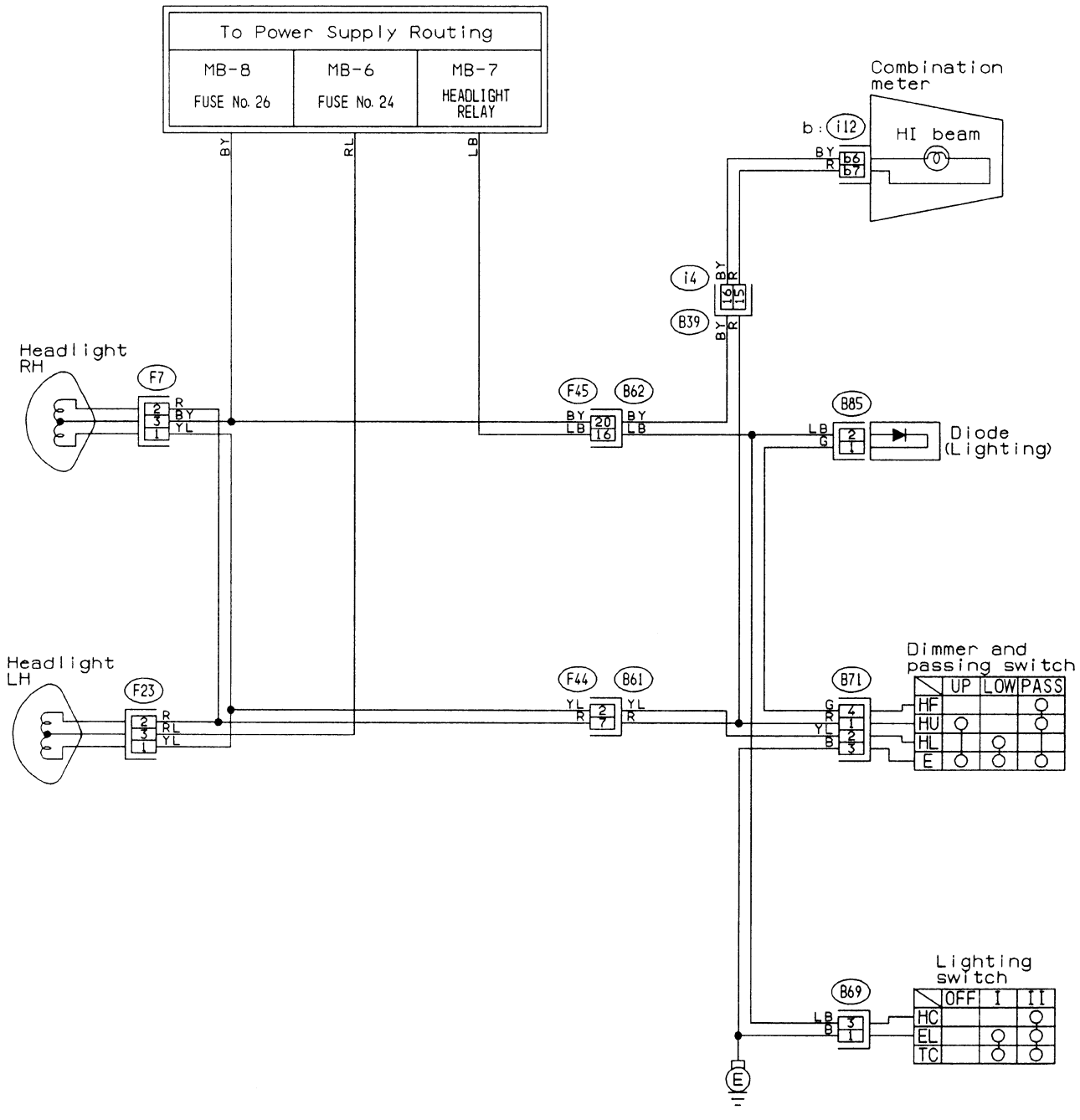
(F44)



BUR74-01

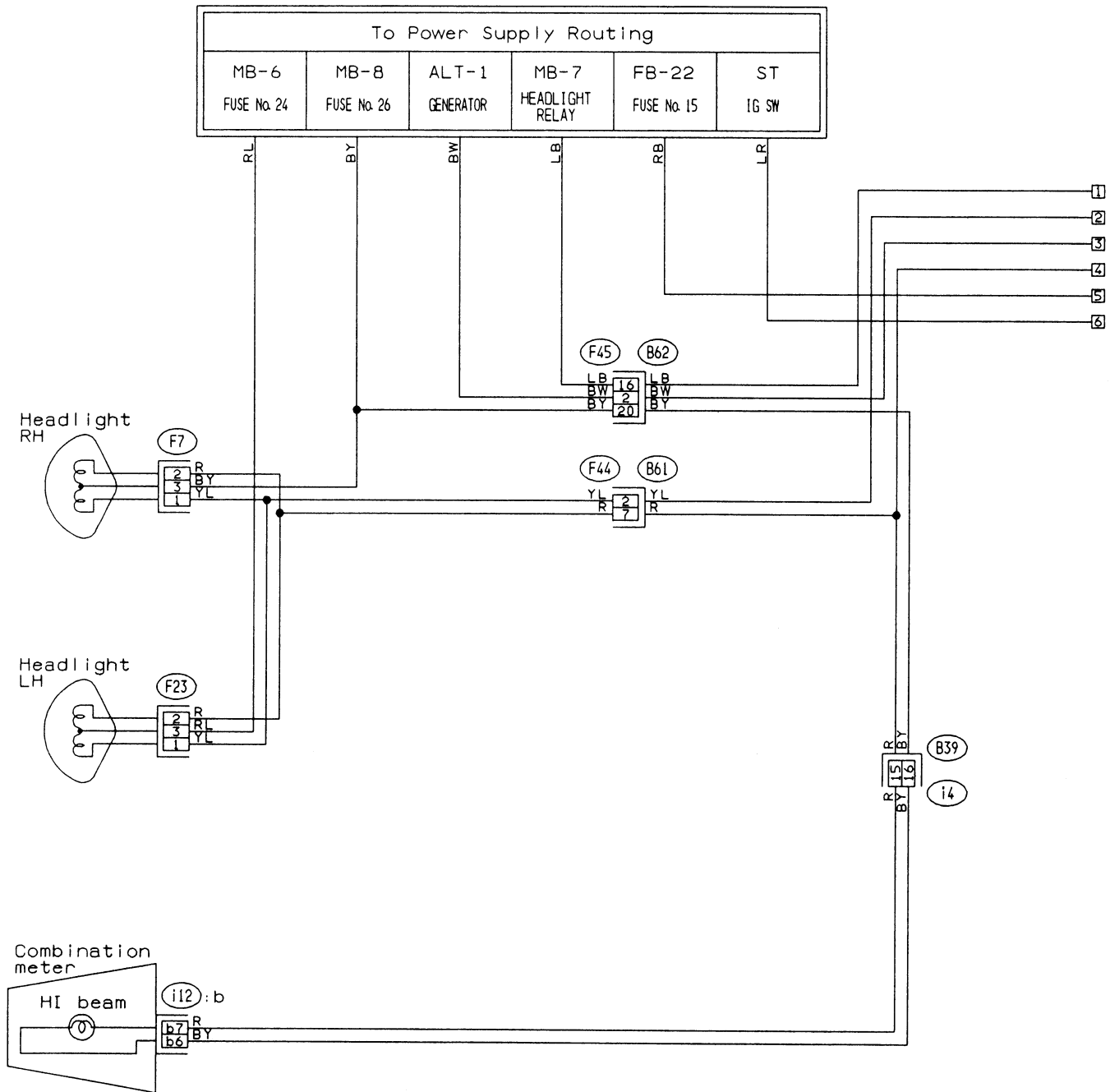
18. LIGHTING (HEADLIGHT) SYSTEM

● LHD without DRL model



18. LIGHTING (HEADLIGHT) SYSTEM

● LHD with DRL model

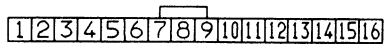


F7 (Black)

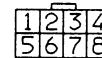
F23 (Black)



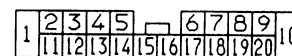
i12 (Light gray)



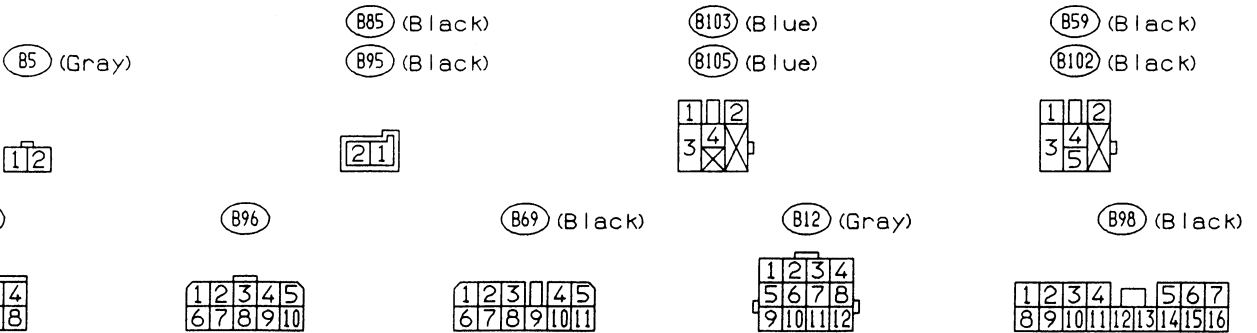
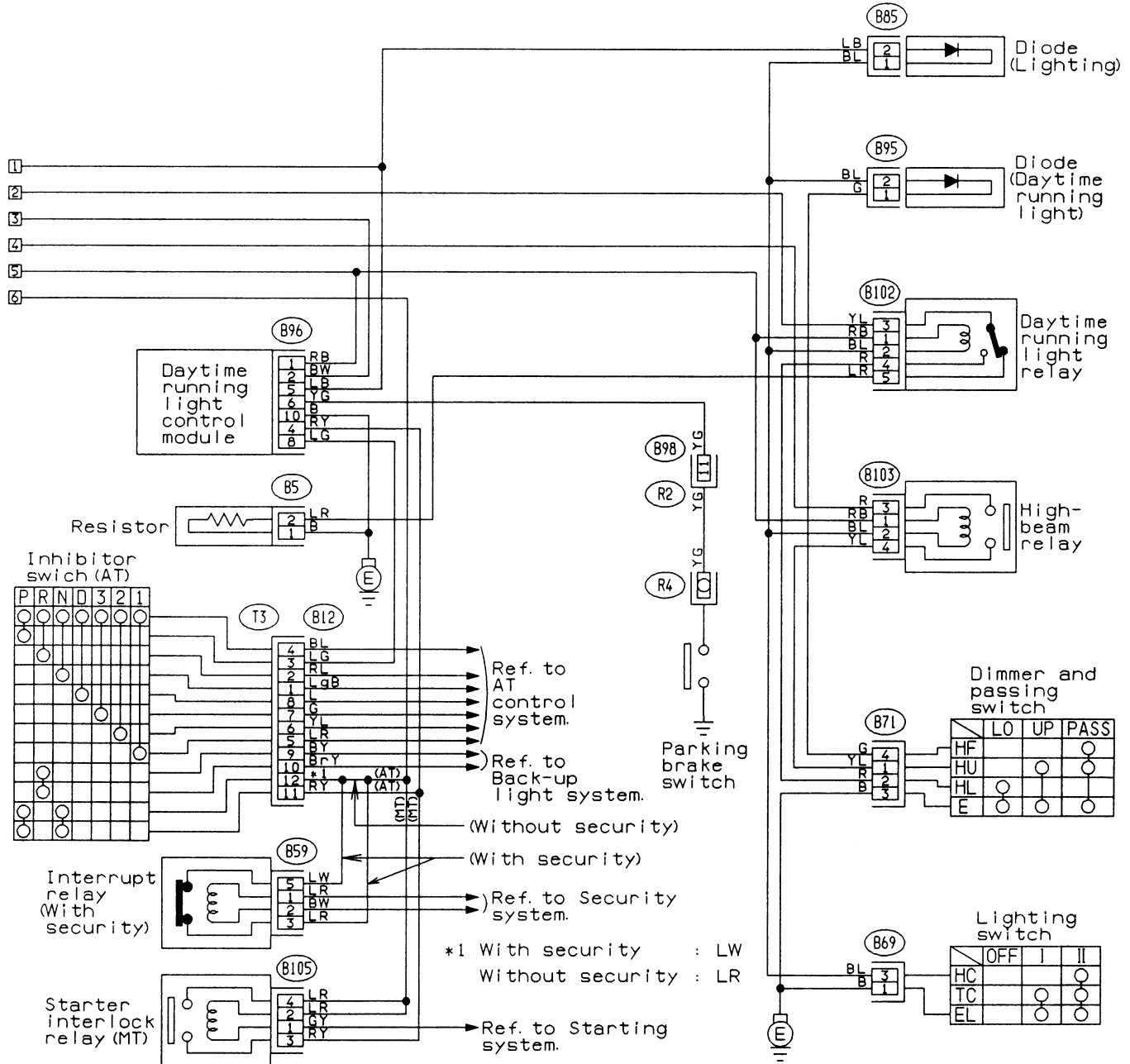
F44



F45 i4 (Blue)

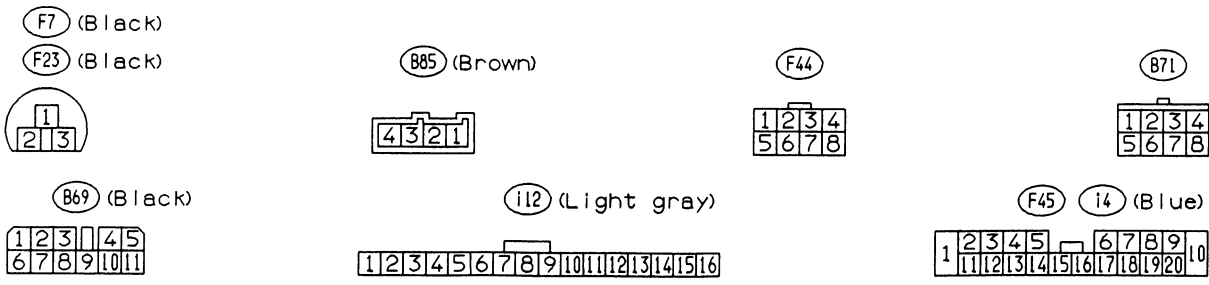
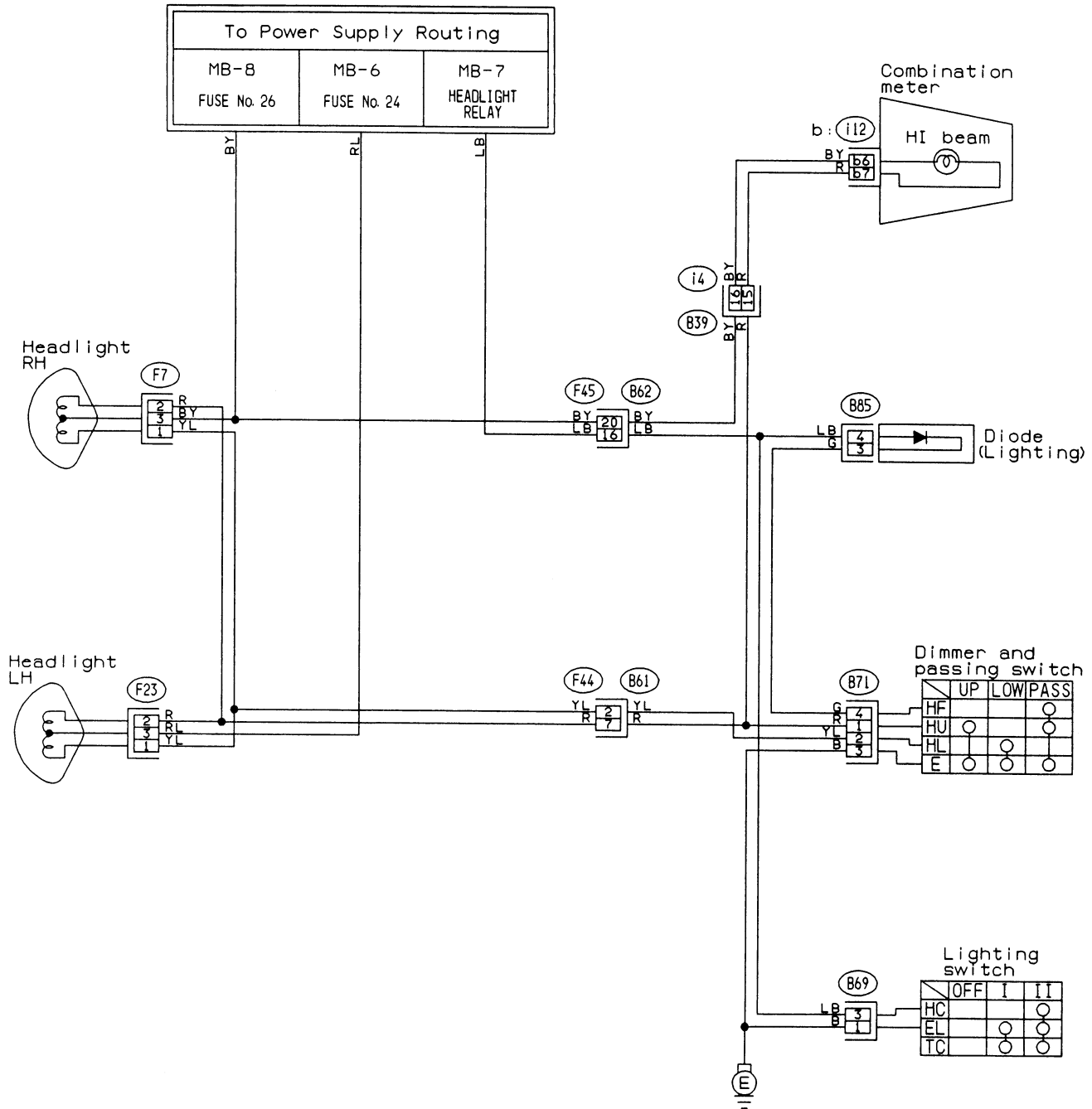


6. Wiring Diagram

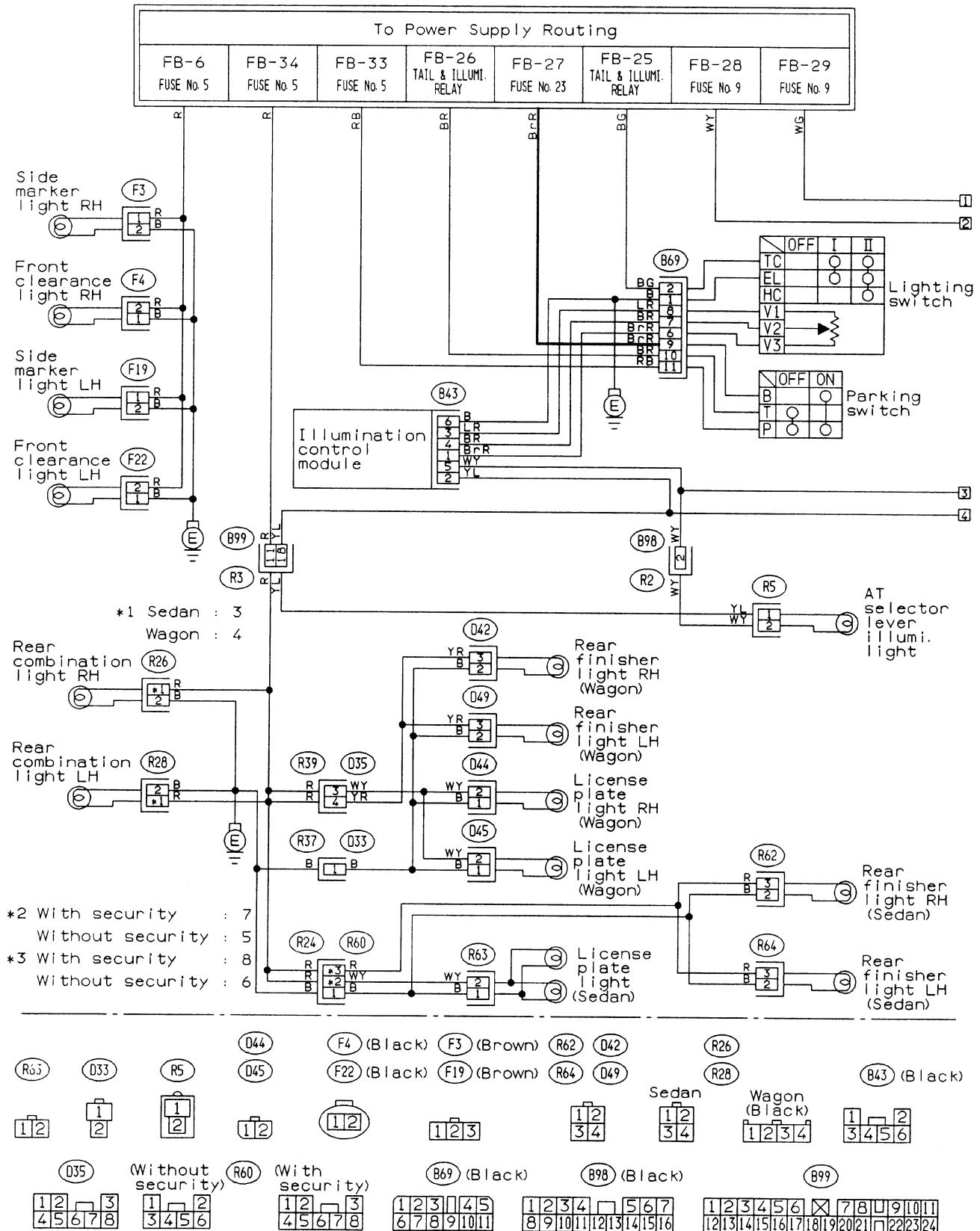


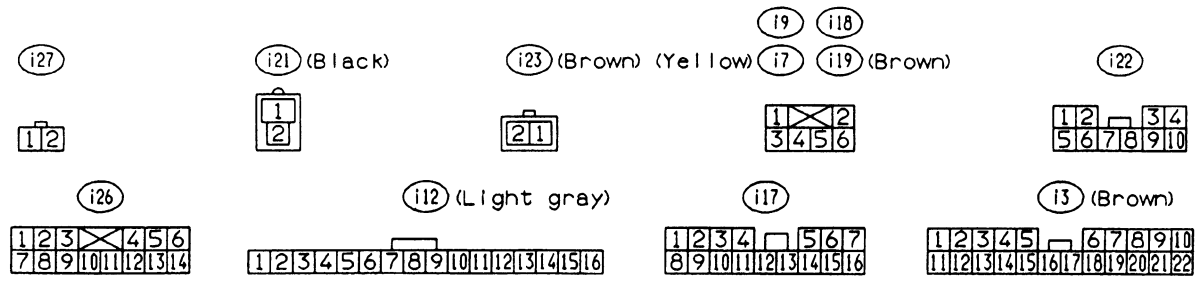
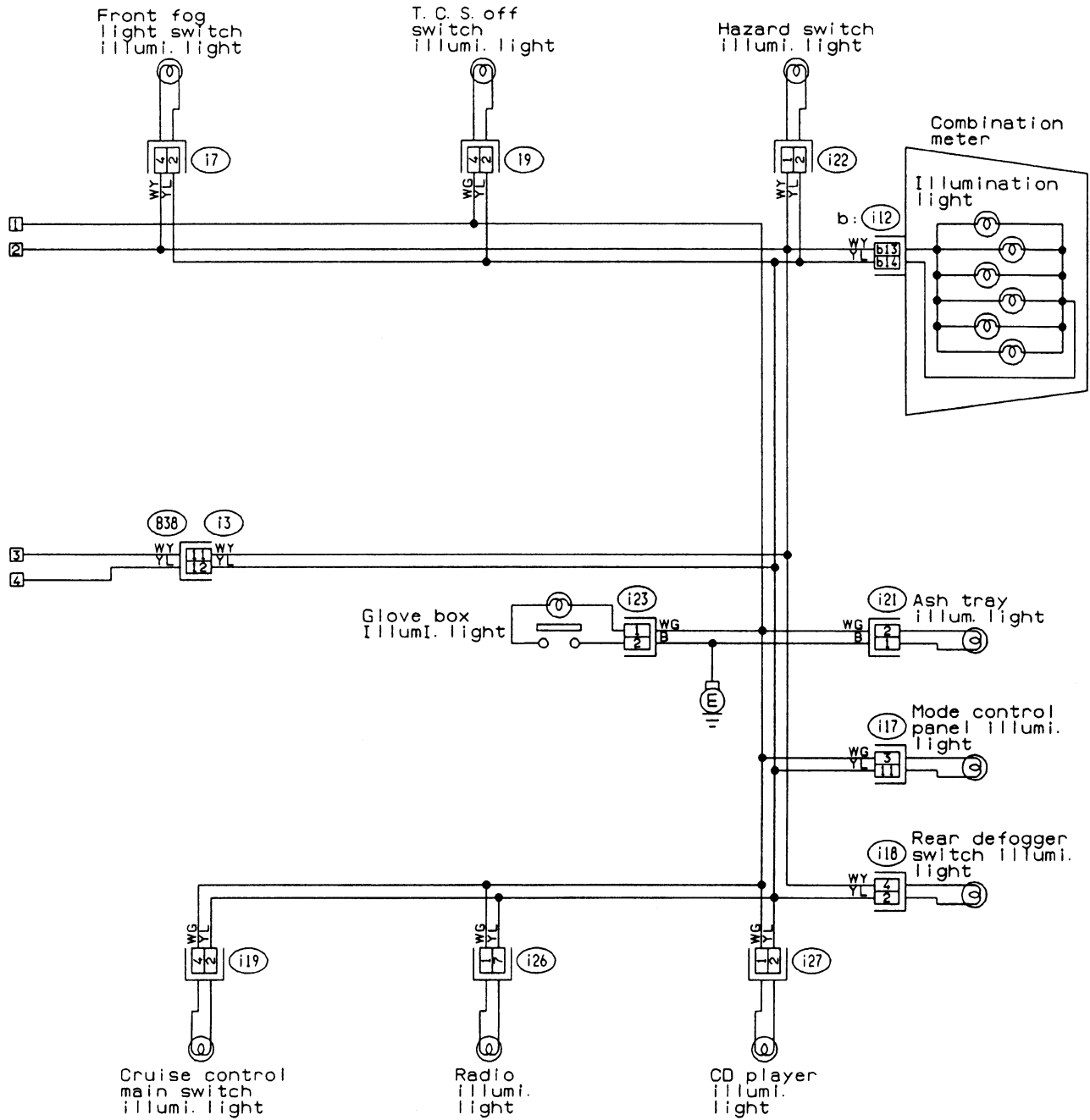
18. LIGHTING (HEADLIGHT) SYSTEM

● RHD model

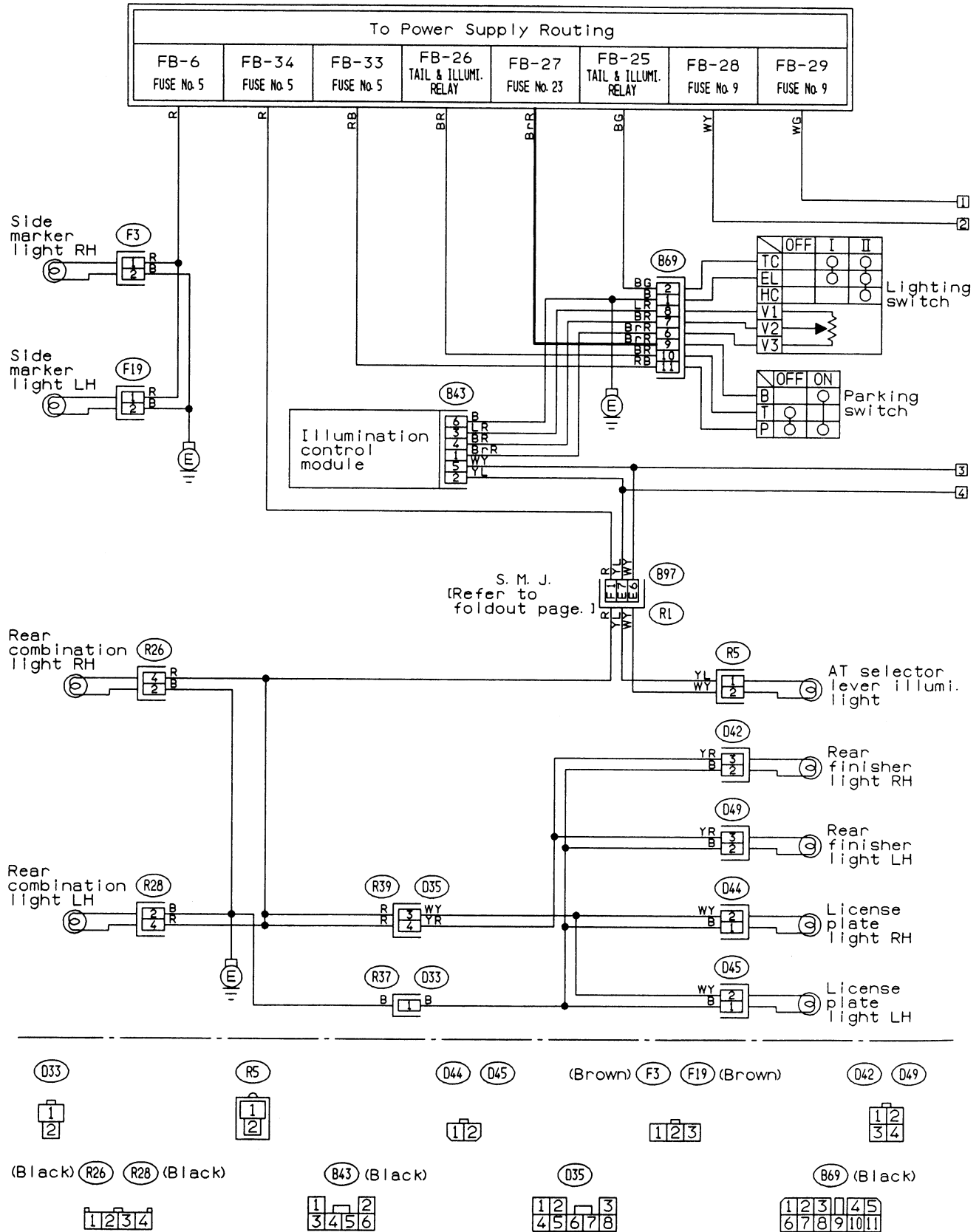


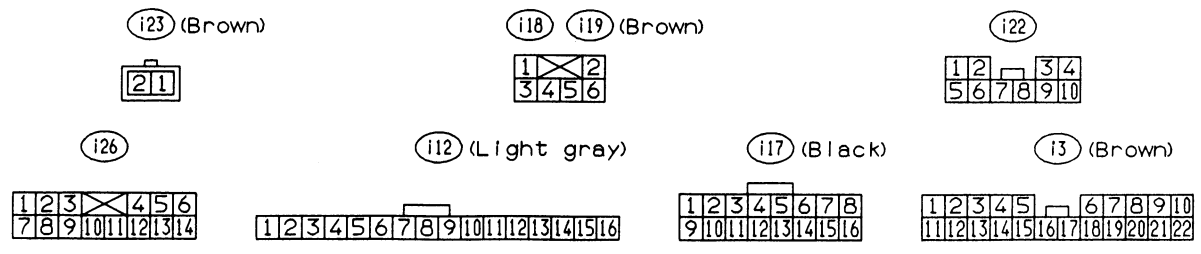
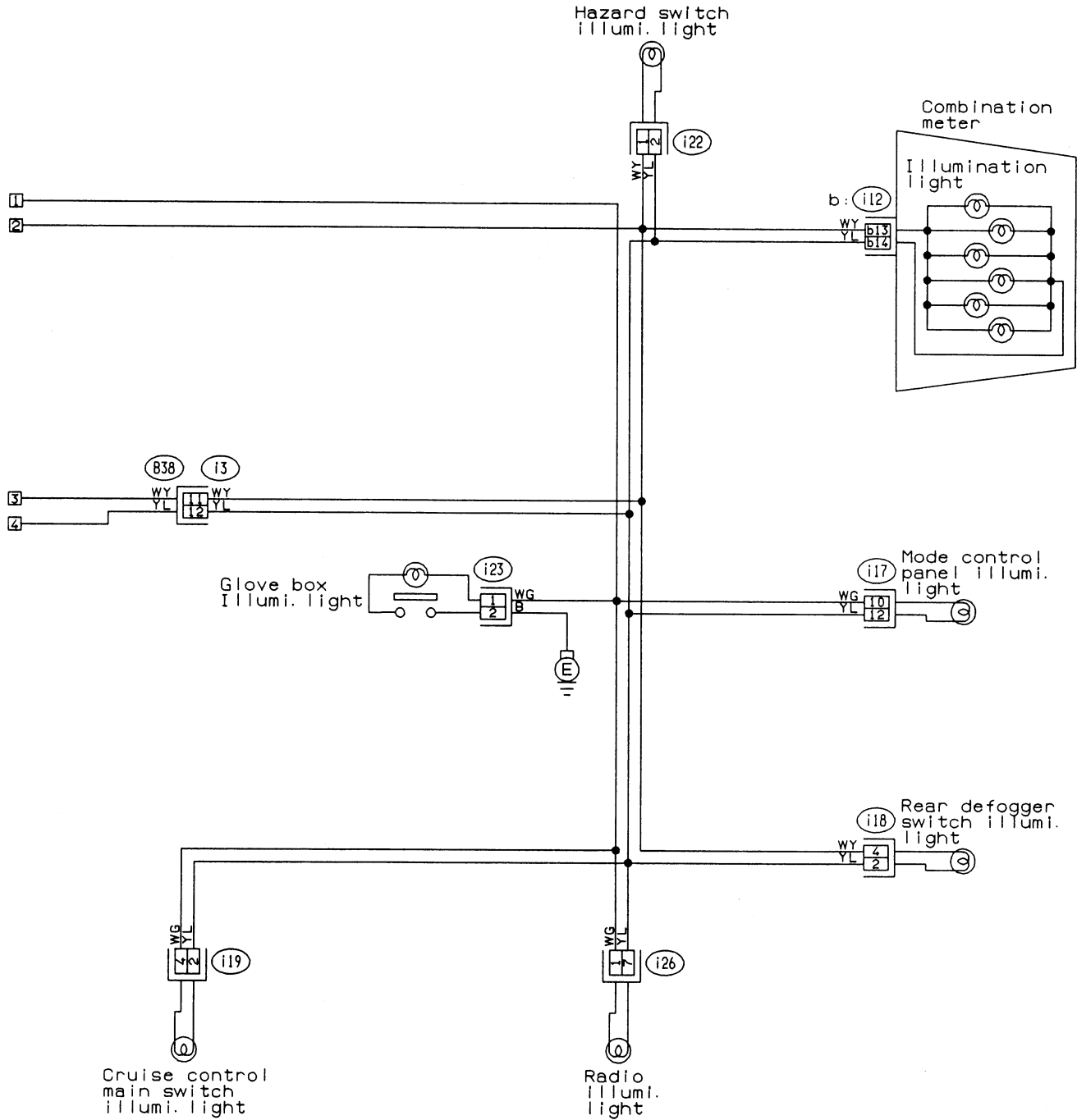
19. LIGHTING
(TAIL LIGHT-ILLUMINATION LIGHT-ETC.) SYSTEM
● LHD model



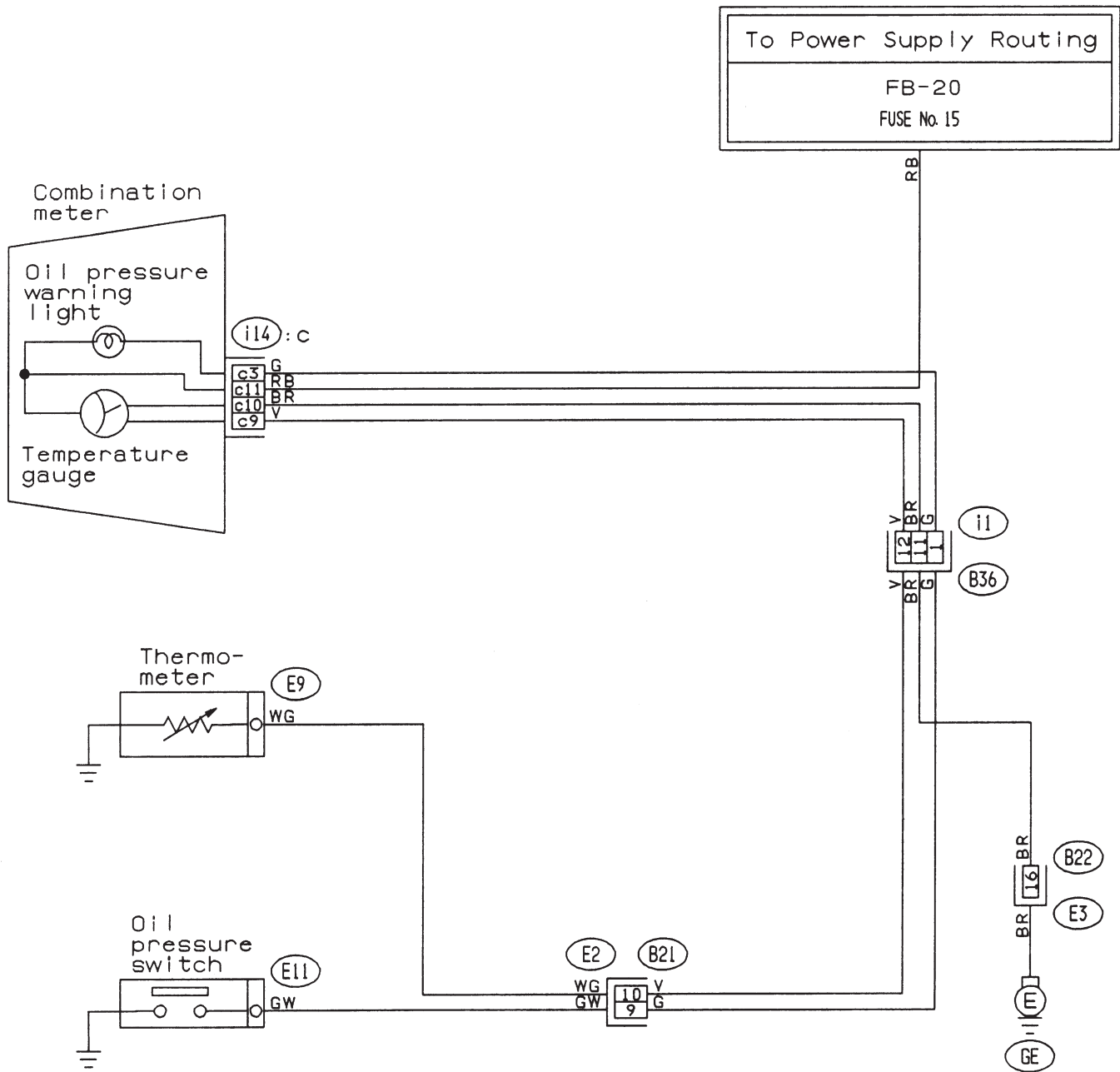


19. LIGHTING
(TAIL LIGHT-ILLUMINATION LIGHT-ETC.) SYSTEM
● RHD model

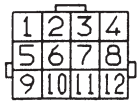




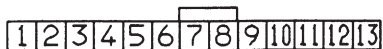
20. OIL PRESSURE AND TEMPERATURE GAUGE SYSTEM



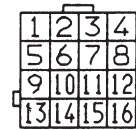
(B21) (Light gray)



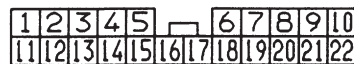
(i14)



(B22) (Light gray)



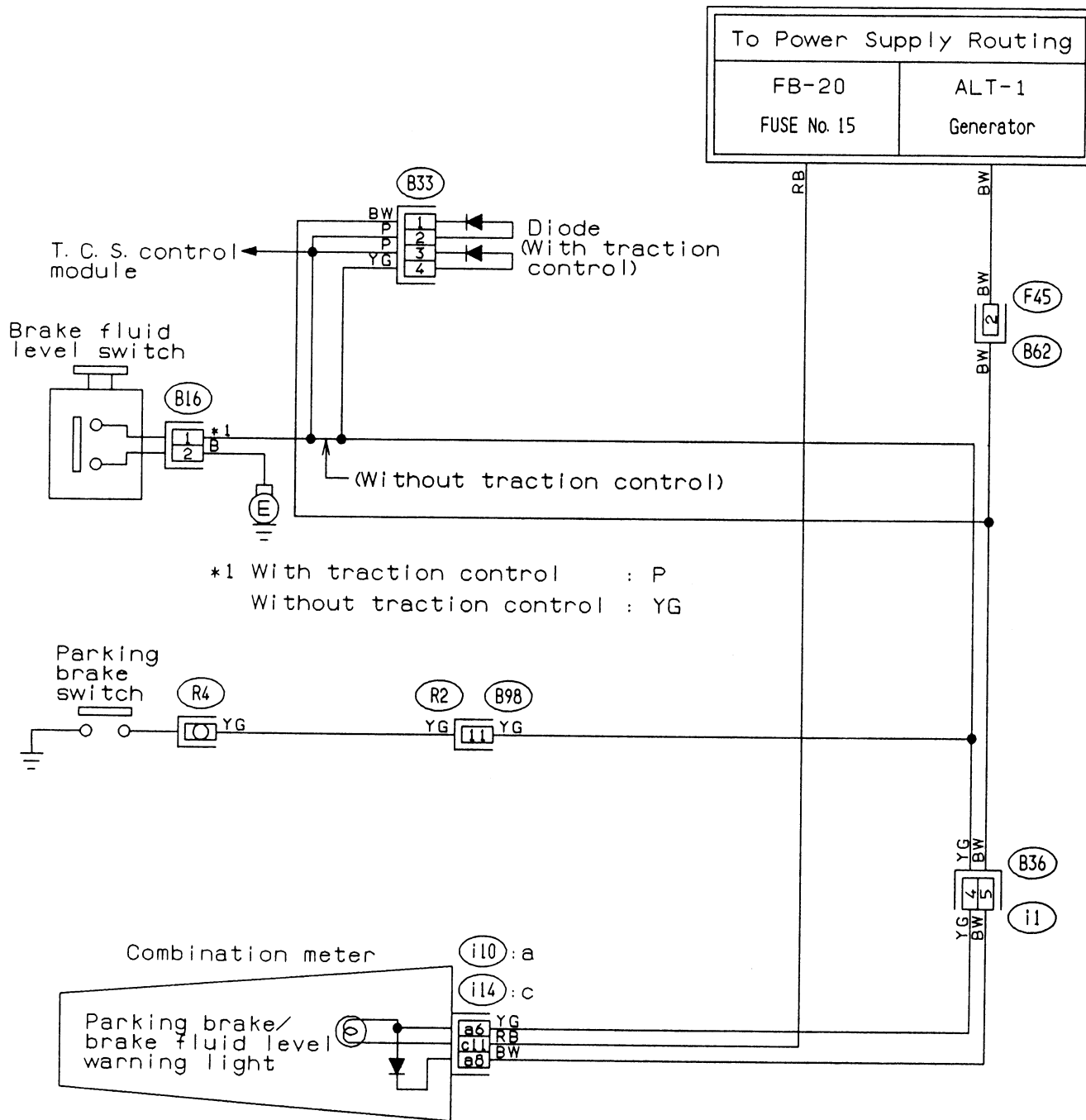
(i1) (Black)



BU66-01

21. PARKING BRAKE AND BRAKE FLUID LEVEL WARNING SYSTEM

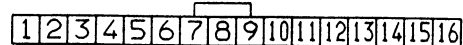
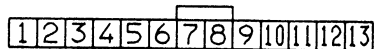
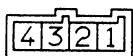
● LHD model



B16 (Gray) B33 (Brown)

i14

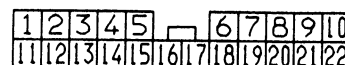
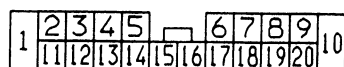
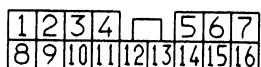
i10 (Light gray)



B98 (Black)

F45

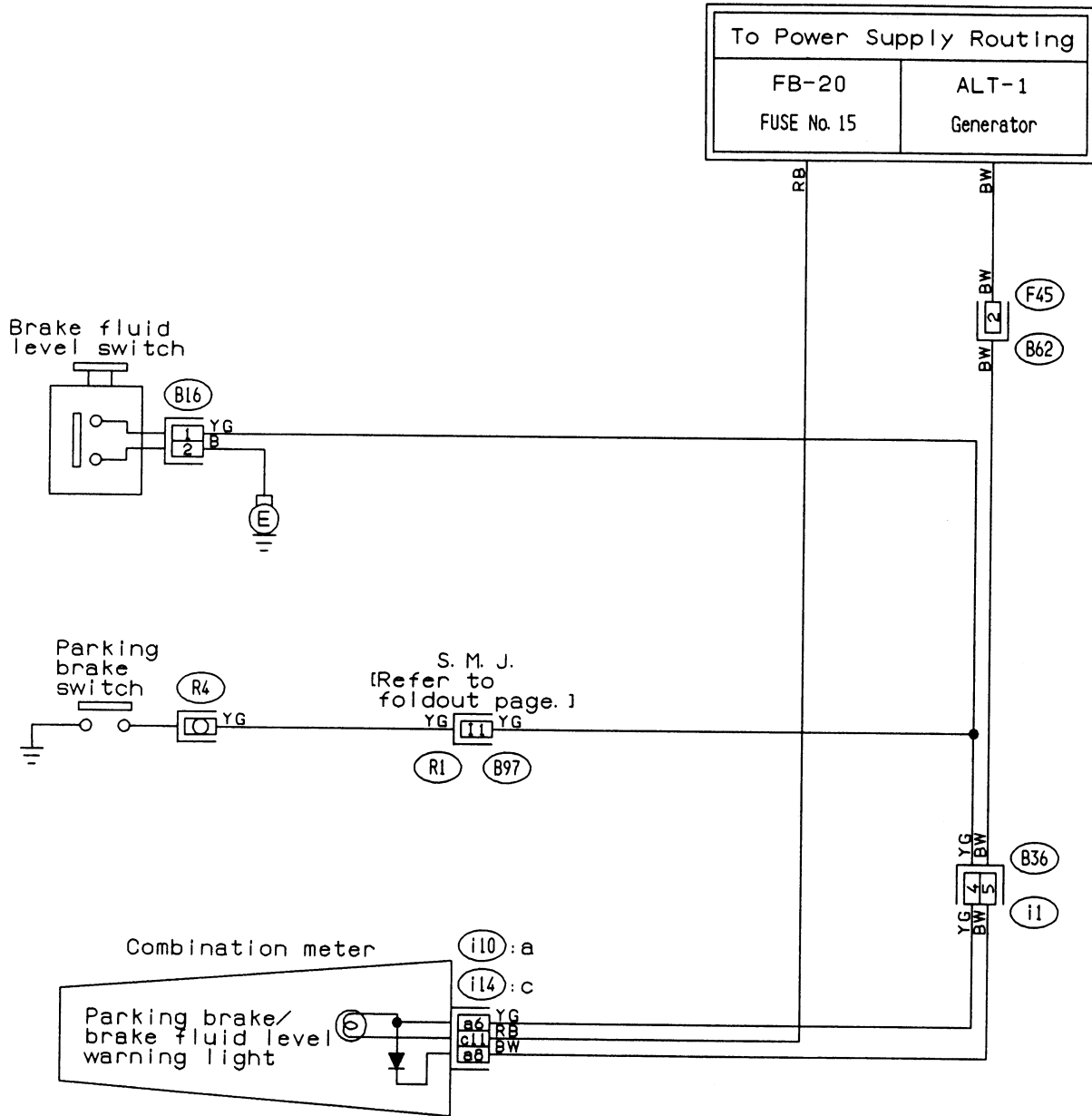
i1 (Black)



BU60-01

21. PARKING BRAKE AND BRAKE FLUID LEVEL WARNING SYSTEM

- RHD model



(B16) (Gray)

(i14)

(i10) (Light gray)

(12)

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

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

(F45)

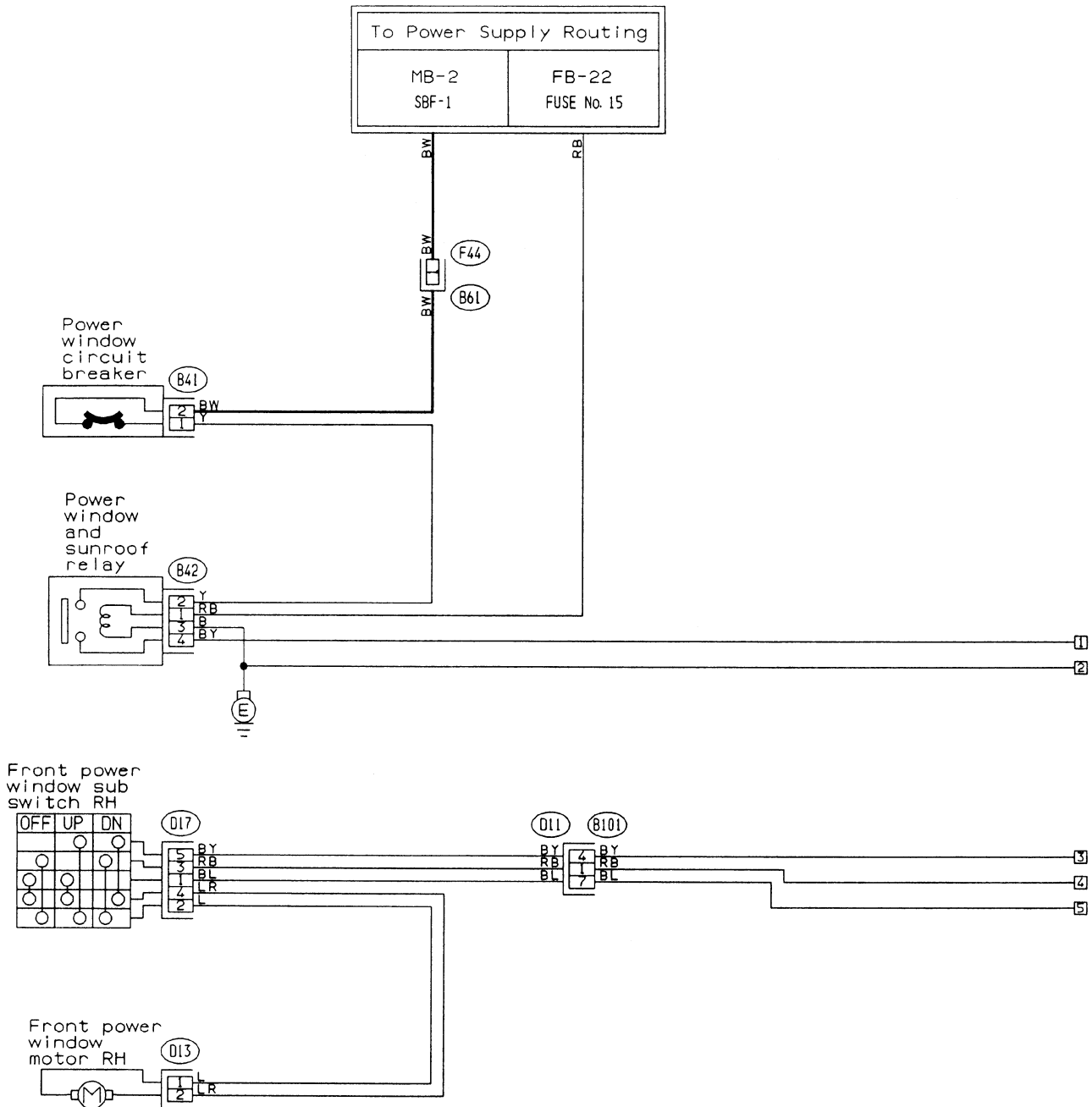
1 2 3 4 5 6 7 8 9 10
11 12 13 14 15 16 17 18 19 20

(i1) (Black)

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

22. POWER WINDOW SYSTEM

● LHD model

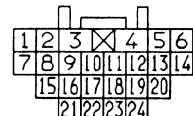


(Green) (B41) (D3) (D13) (Green)
 (Green) (D30) (D24) (Green)

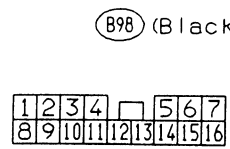
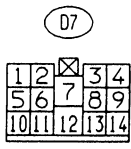
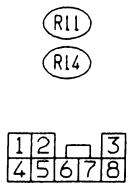
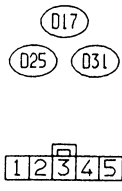
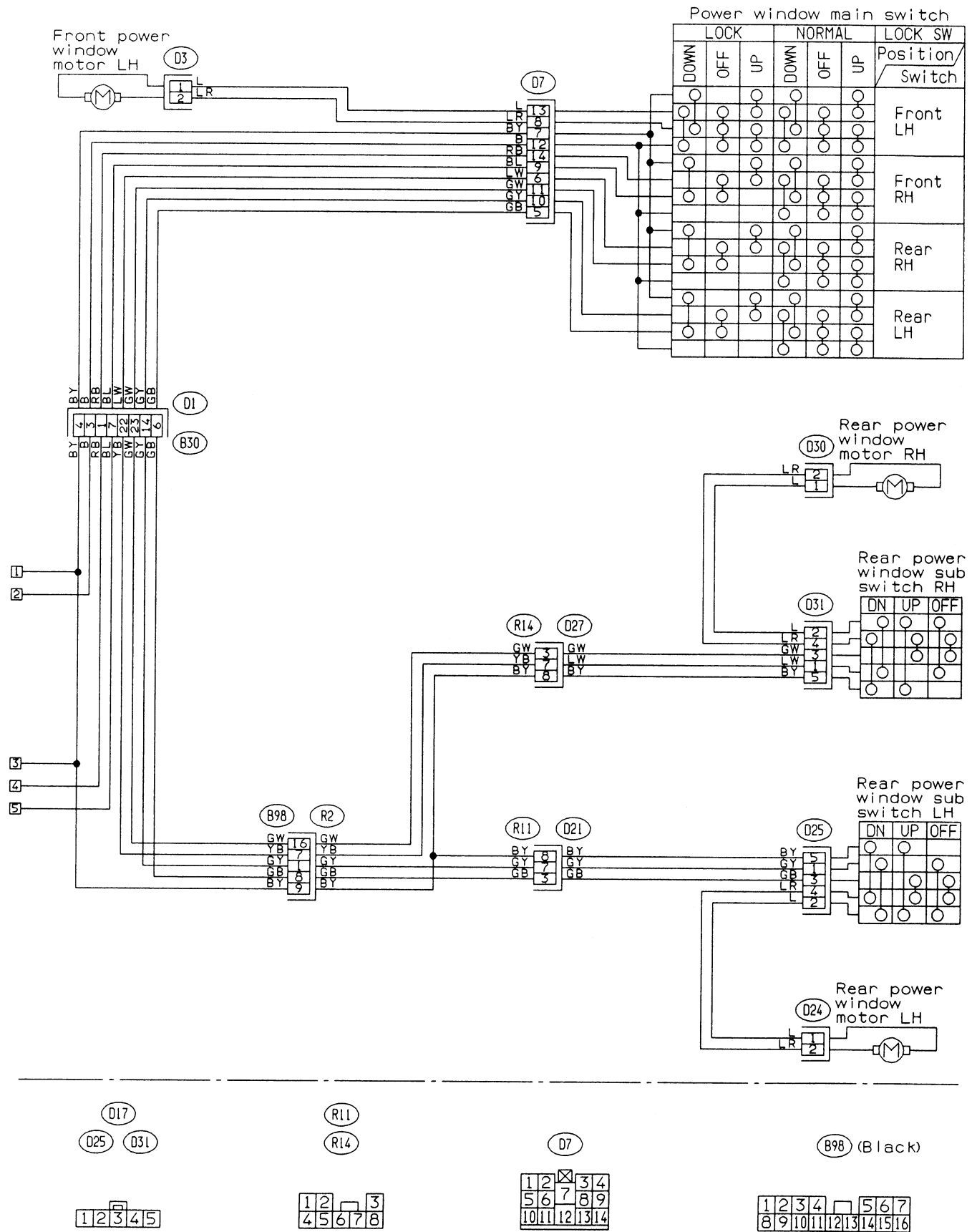
(B42)

(F44)

(B30) (B101)

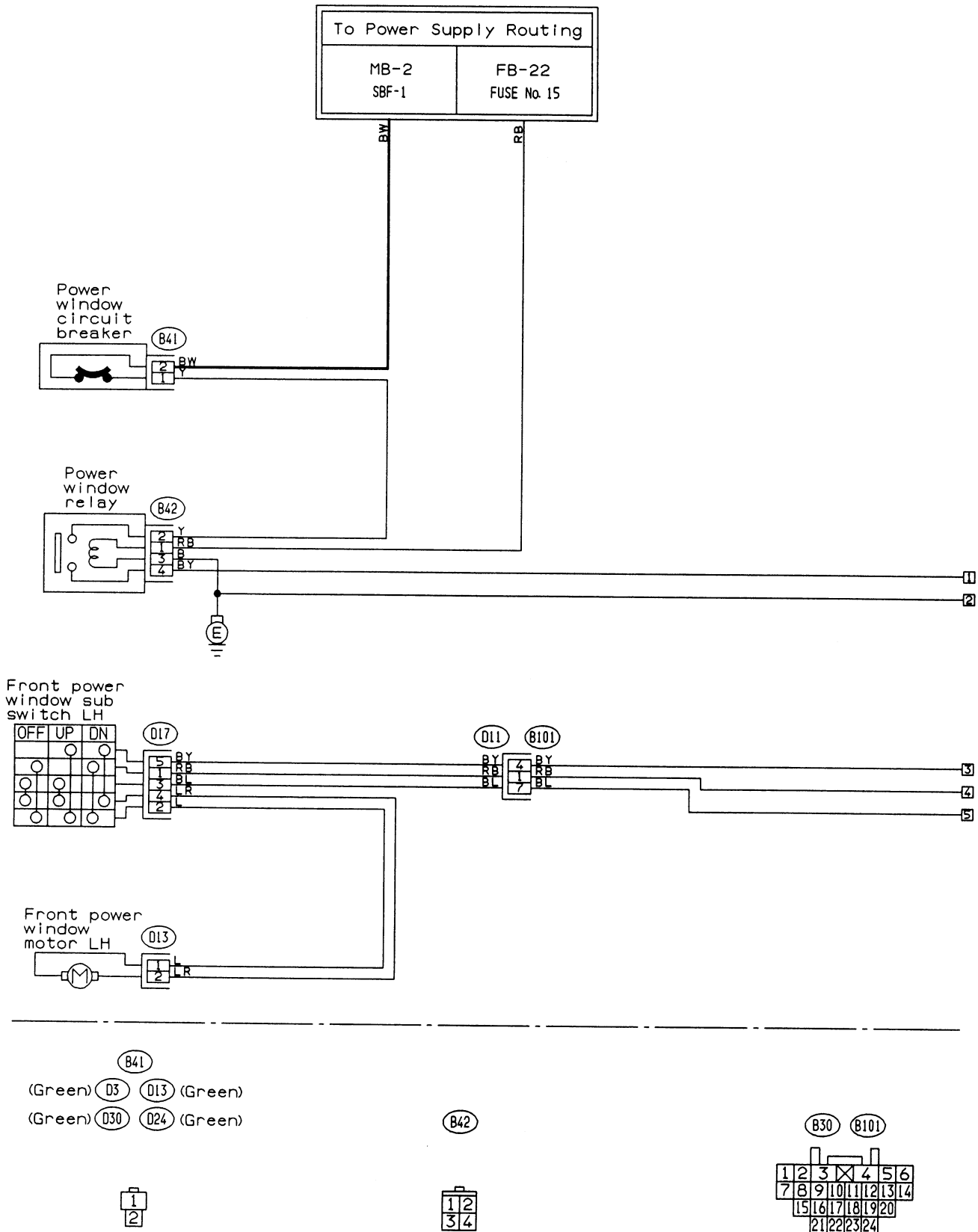


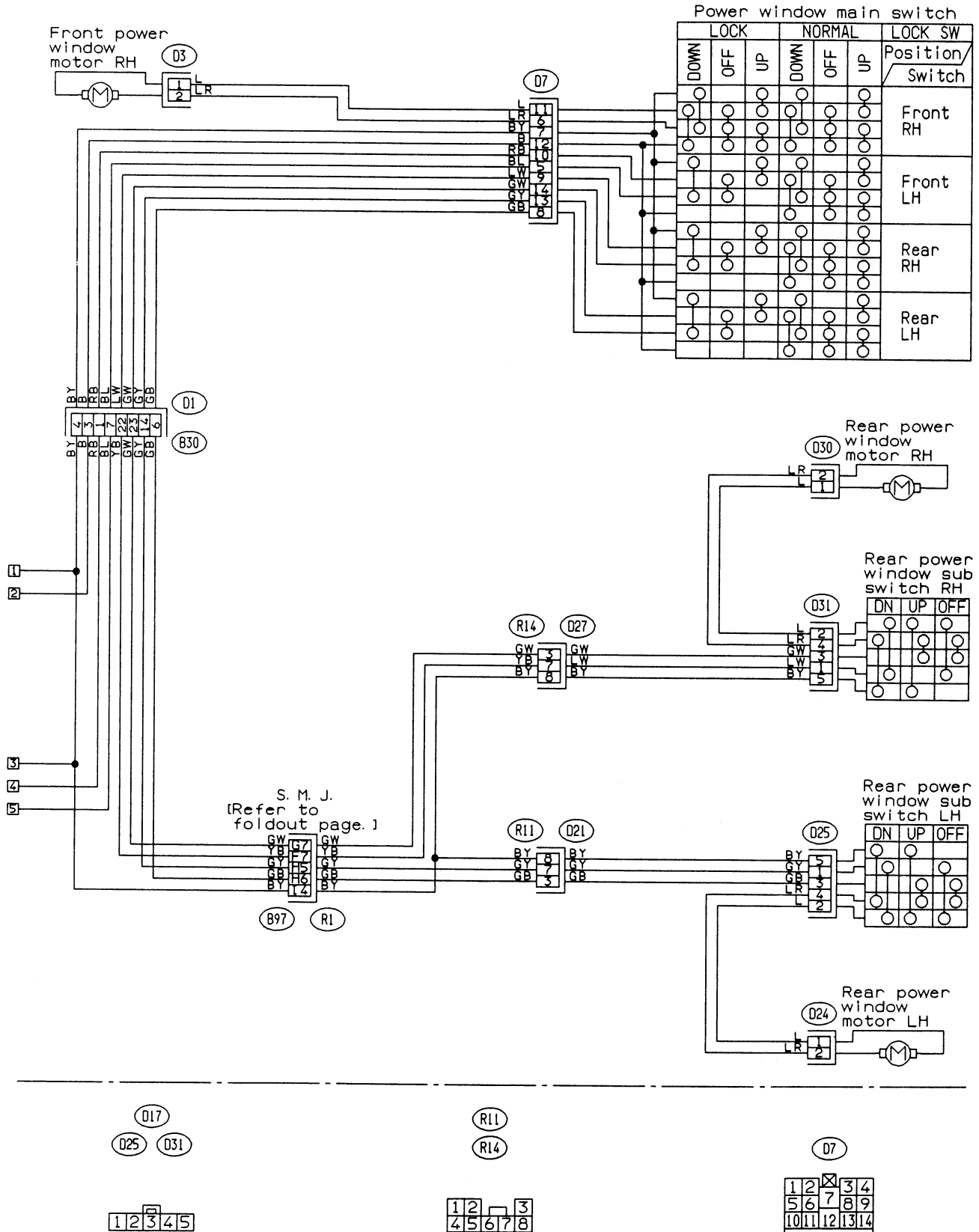
6. Wiring Diagram



22. POWER WINDOW SYSTEM

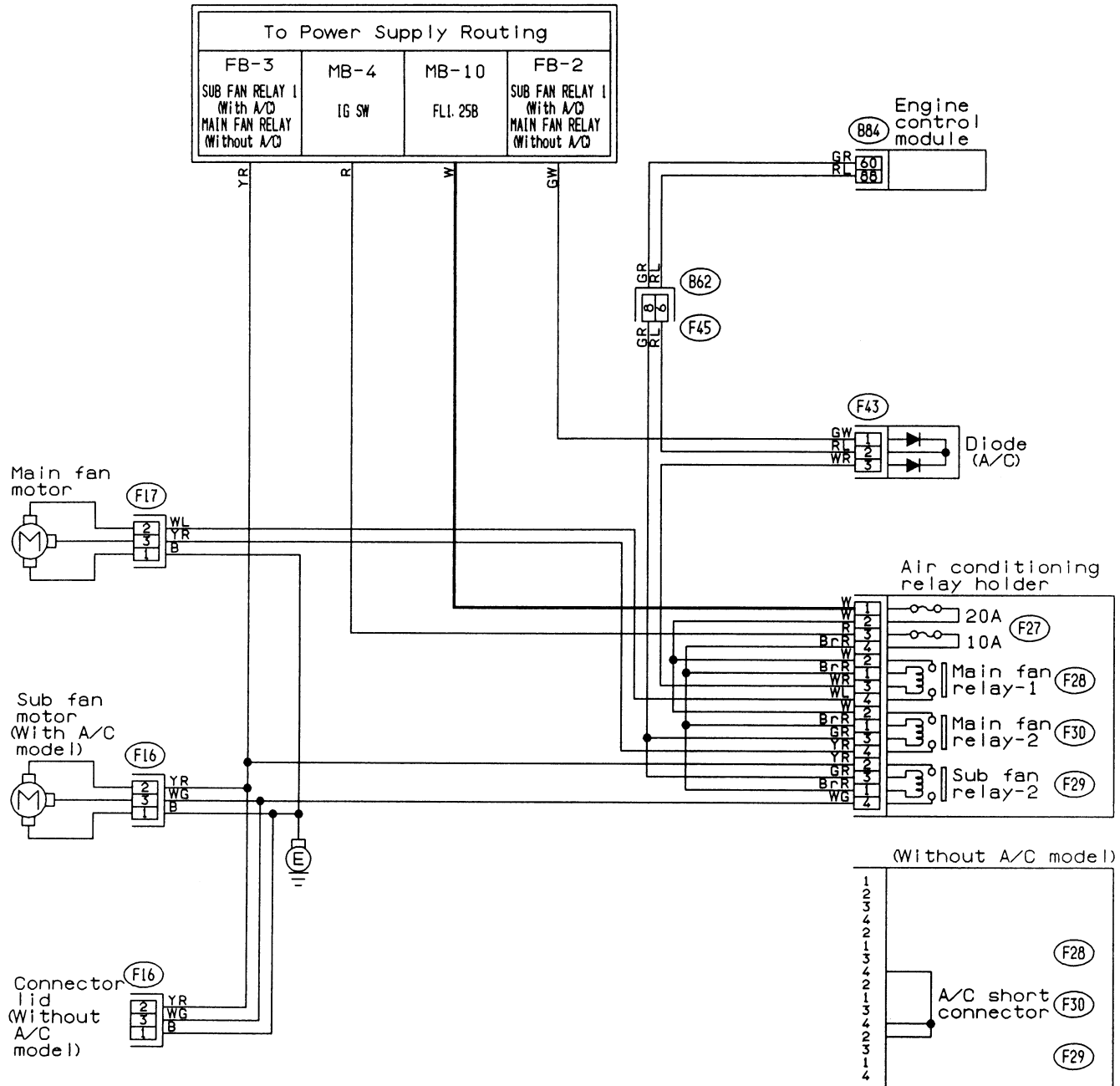
● RHD model





23. RADIATOR FAN SYSTEM

● LHD model

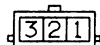


F43 (Orange)



F16 (Black)

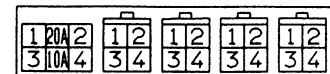
F17 (Black)



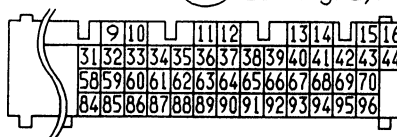
F45

B84 (Dark gray)

F27 F28 F29 F30 F31

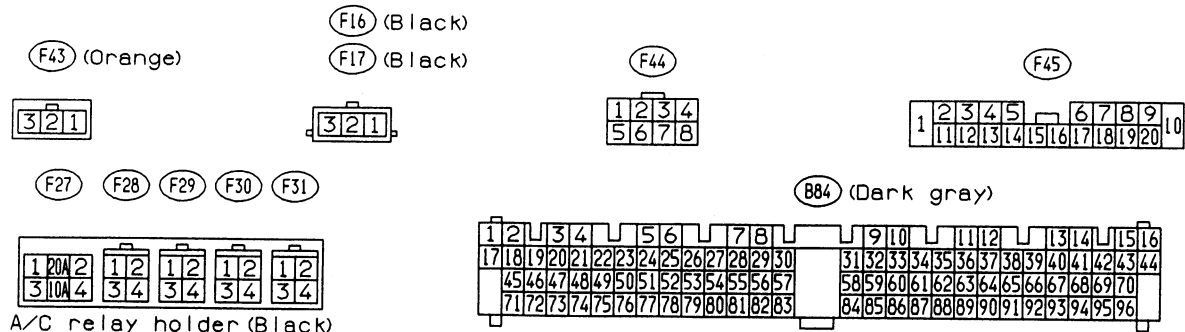
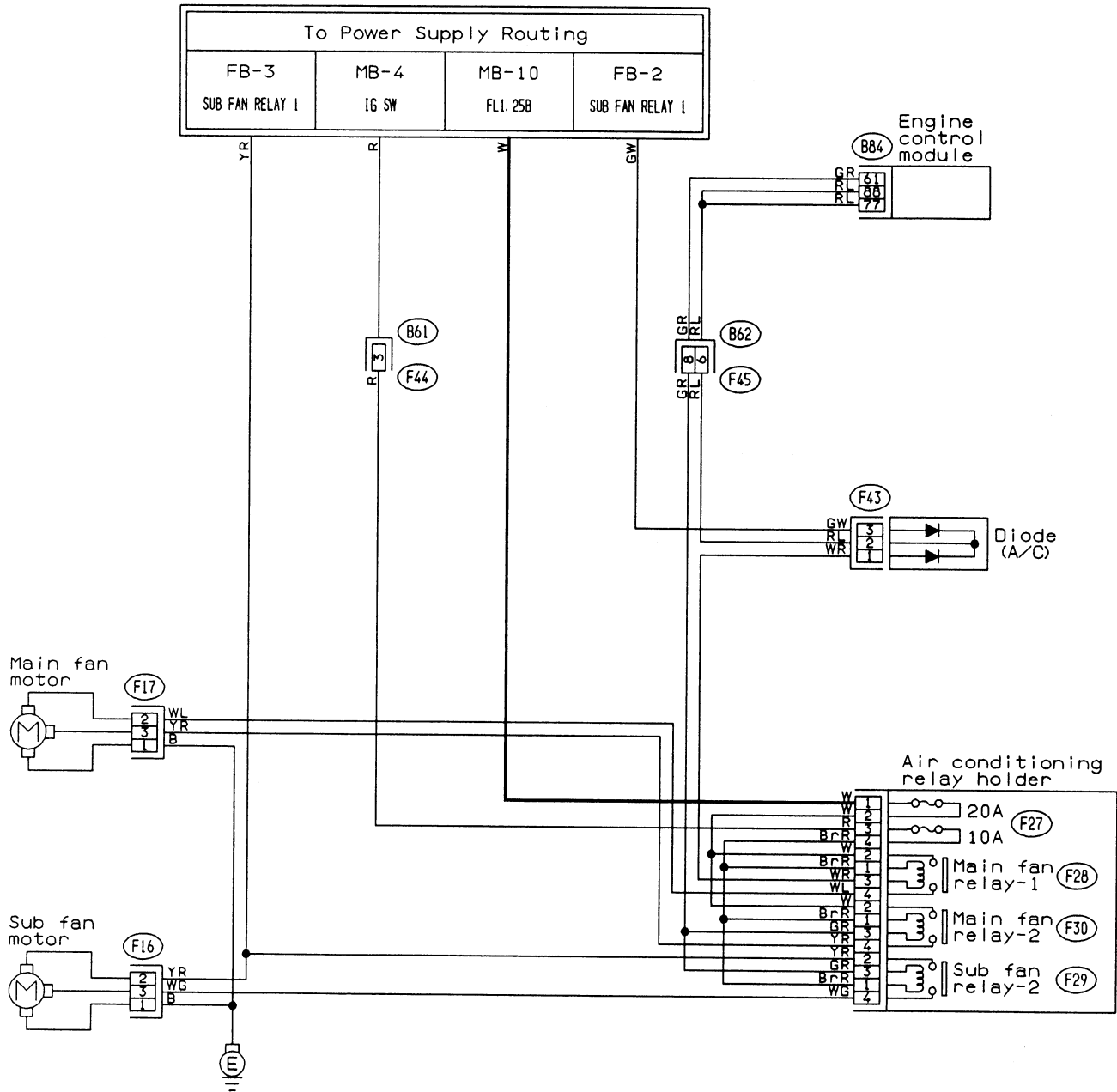


A/C relay holder (Black)



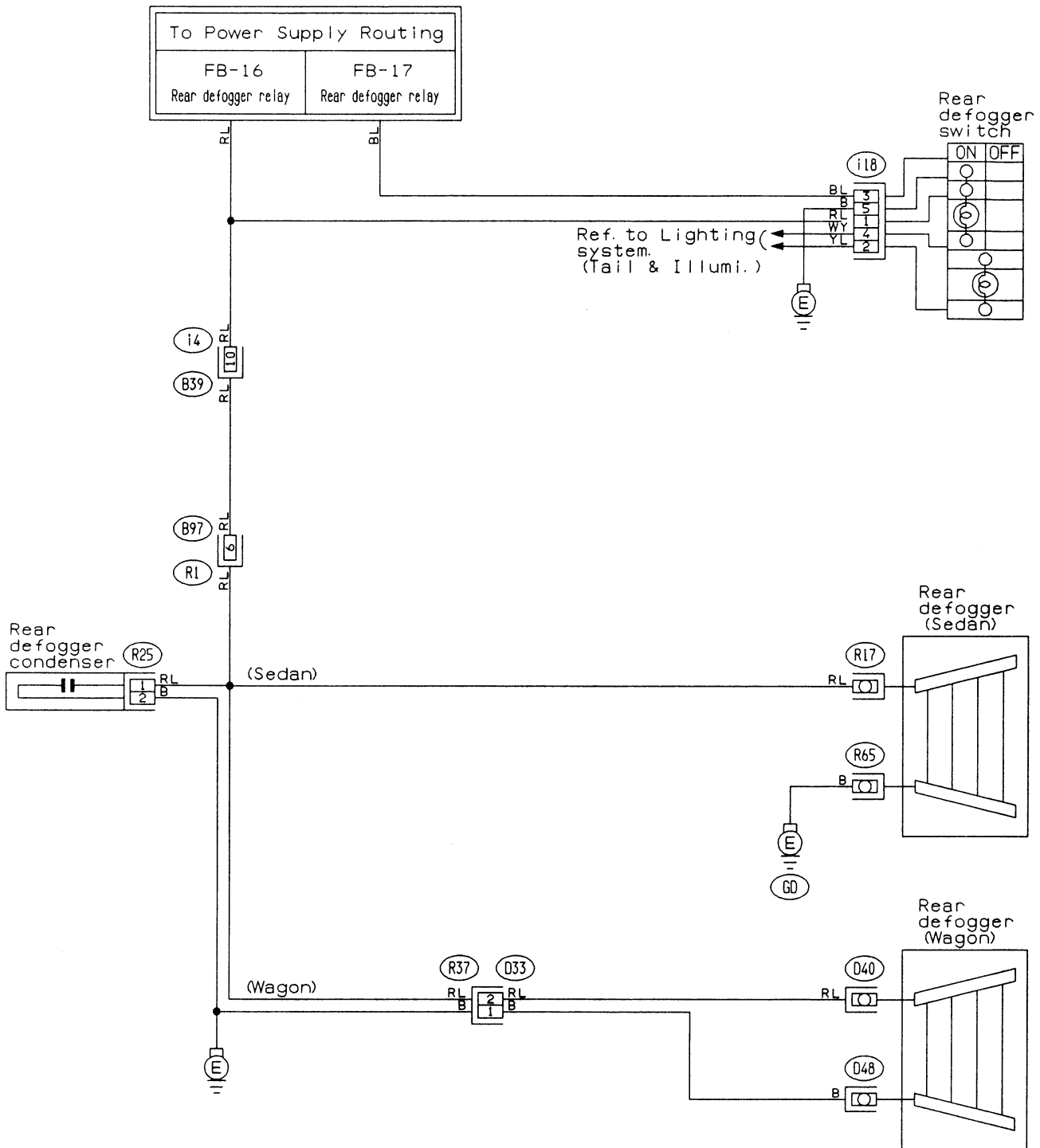
23. RADIATOR FAN SYSTEM

● RHD model



24. REAR WINDOW DEFOGGER SYSTEM

● LHD model



(D33)

(R25) (Black)



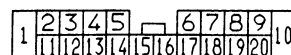
(i18)



(B97)

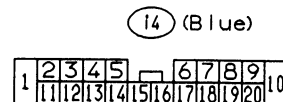
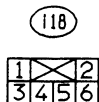
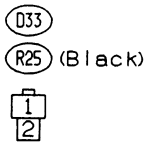
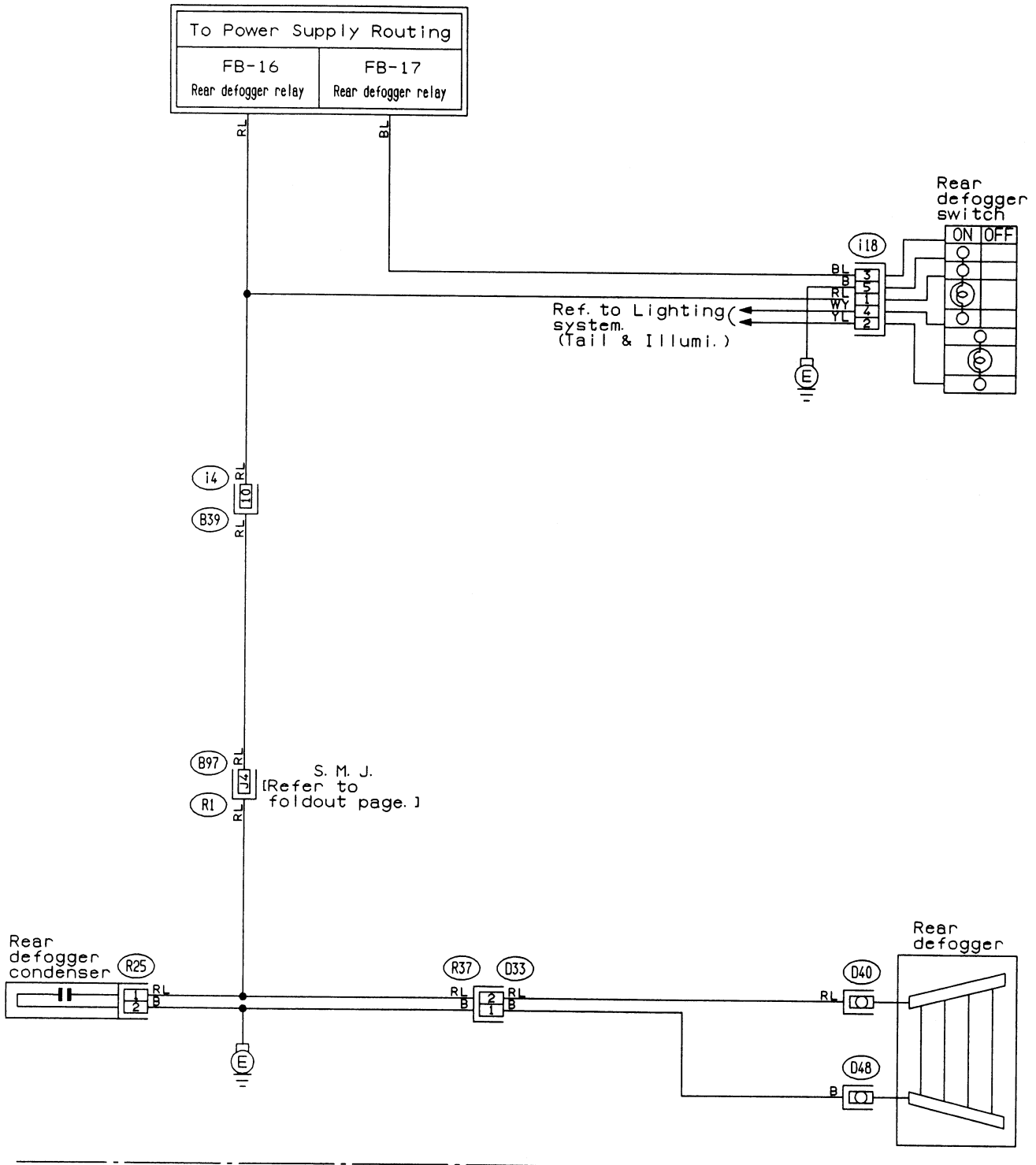


(i4) (Blue)



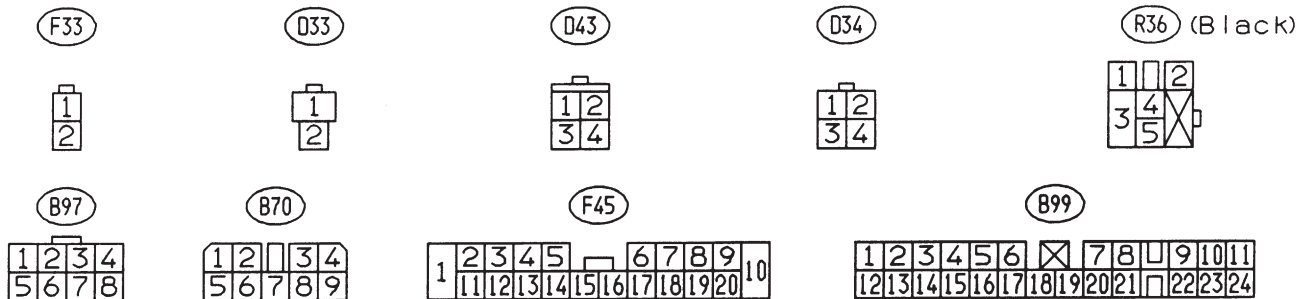
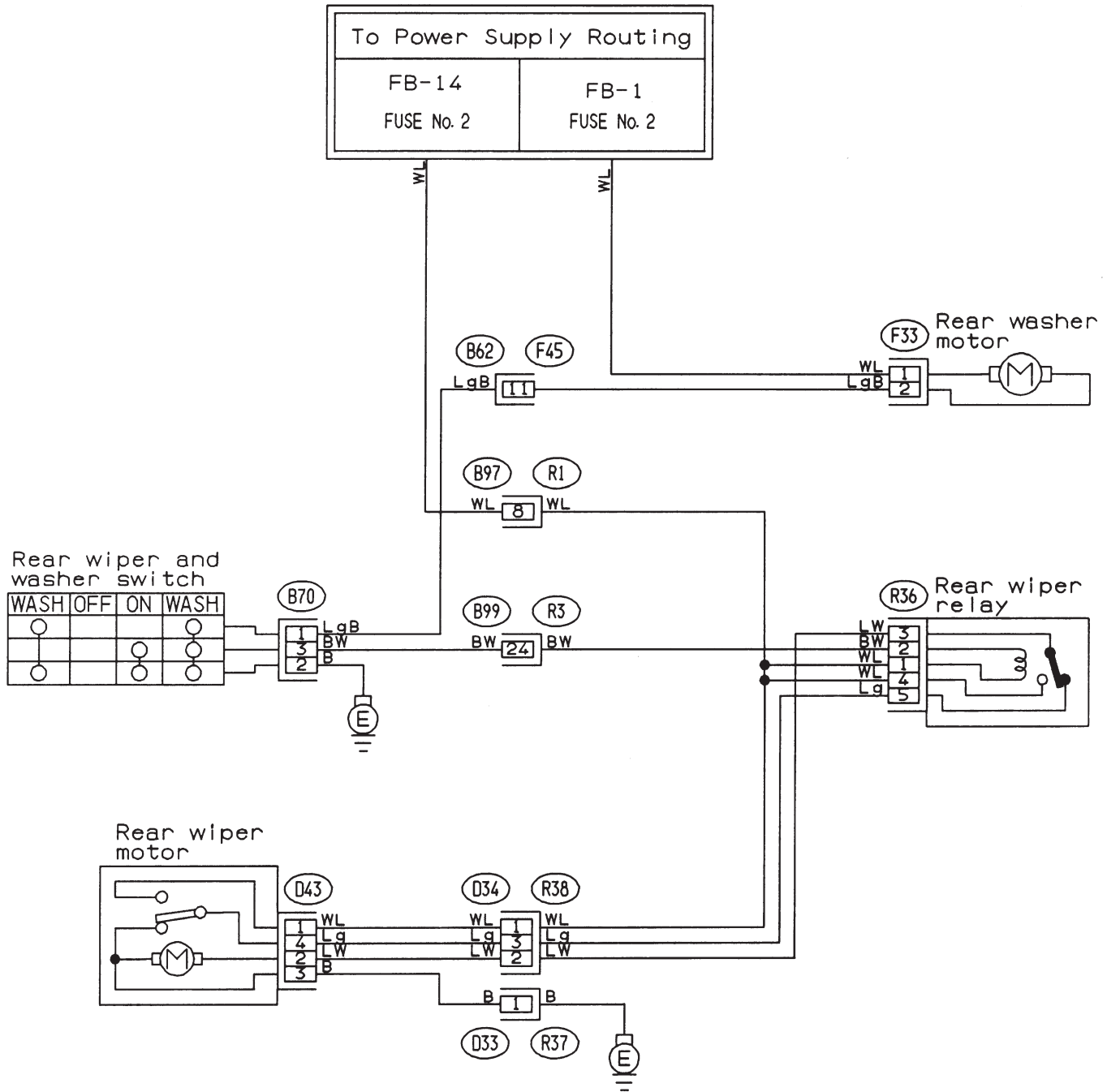
24. REAR WINDOW DEFOGGER SYSTEM

- RHD model



25. REAR WIPER AND WASHER SYSTEM

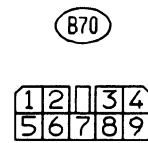
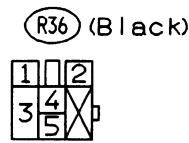
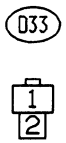
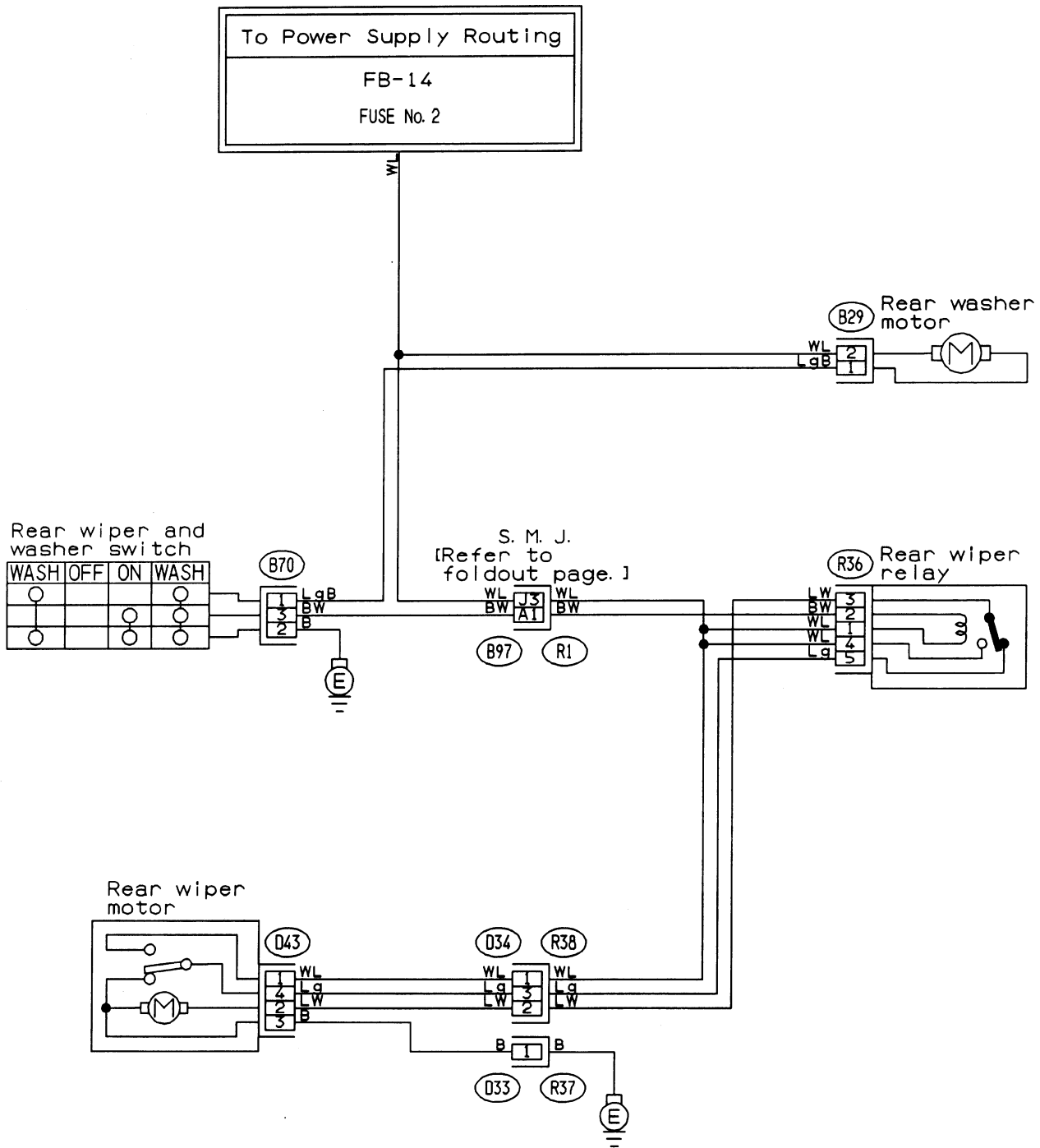
● LHD model



BU51-02

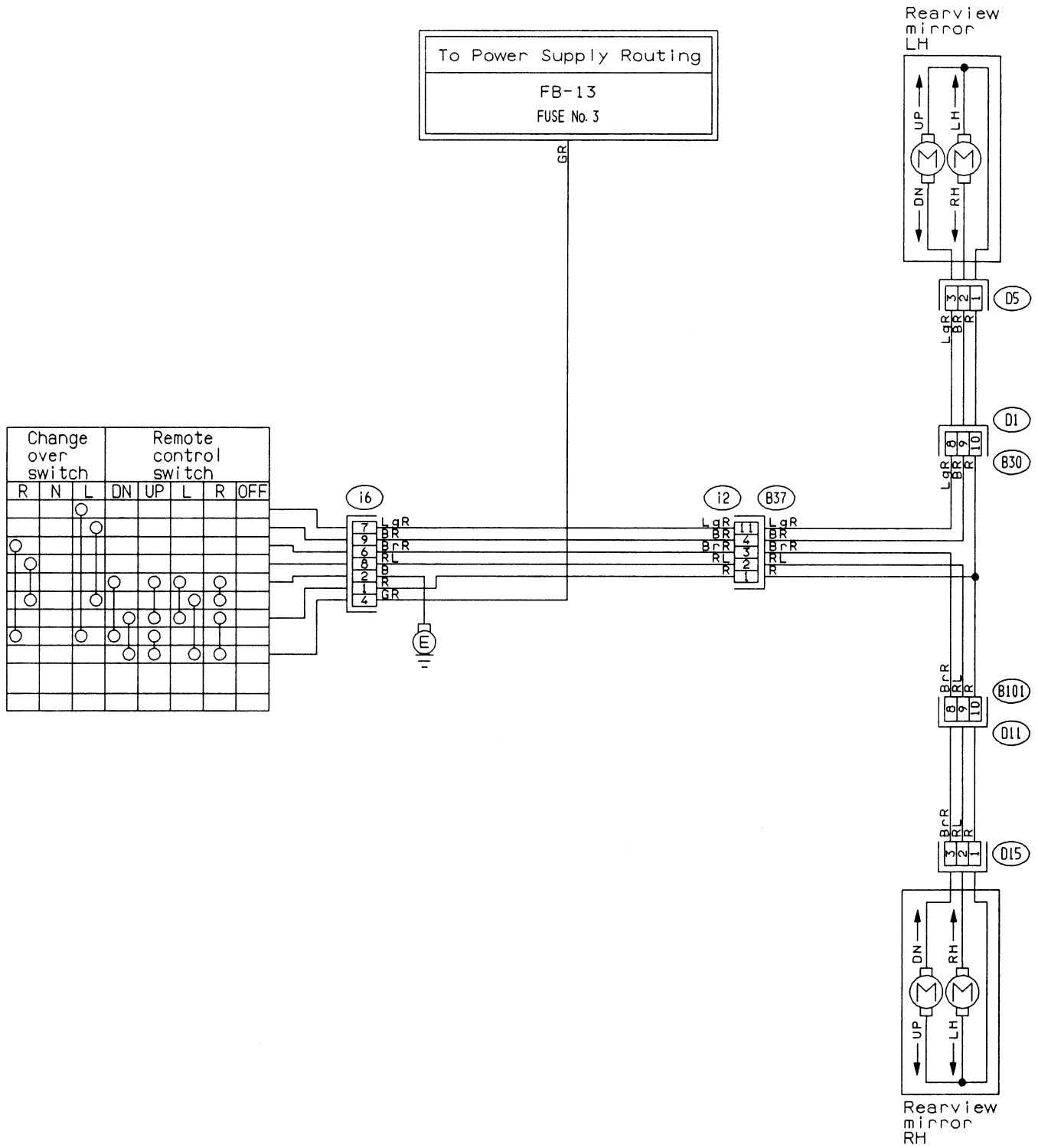
25. REAR WIPER AND WASHER SYSTEM

● RHD model



26. REMOTE CONTROL REARVIEW MIRROR SYSTEM

- LHD model

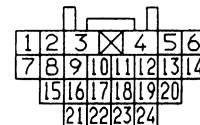
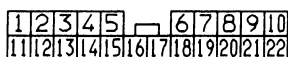
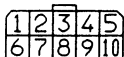


(D5) (D15)

(i6)

(i2)

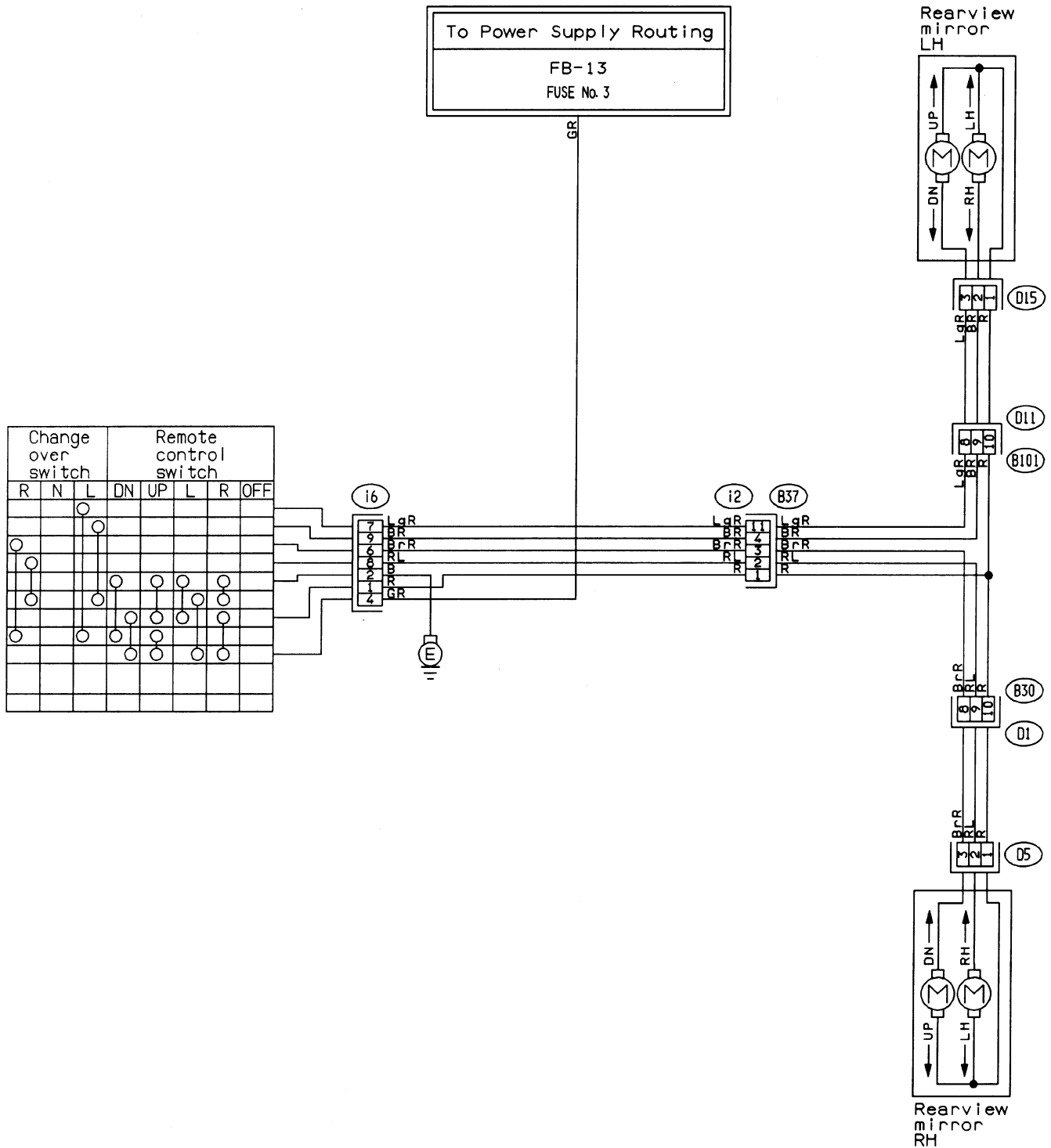
(B30) (B101)



BU79-01

26. REMOTE CONTROL REARVIEW MIRROR SYSTEM

- RHD model

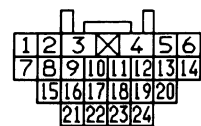
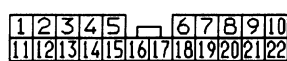
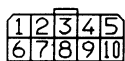


(D5) (D15)

(i6)

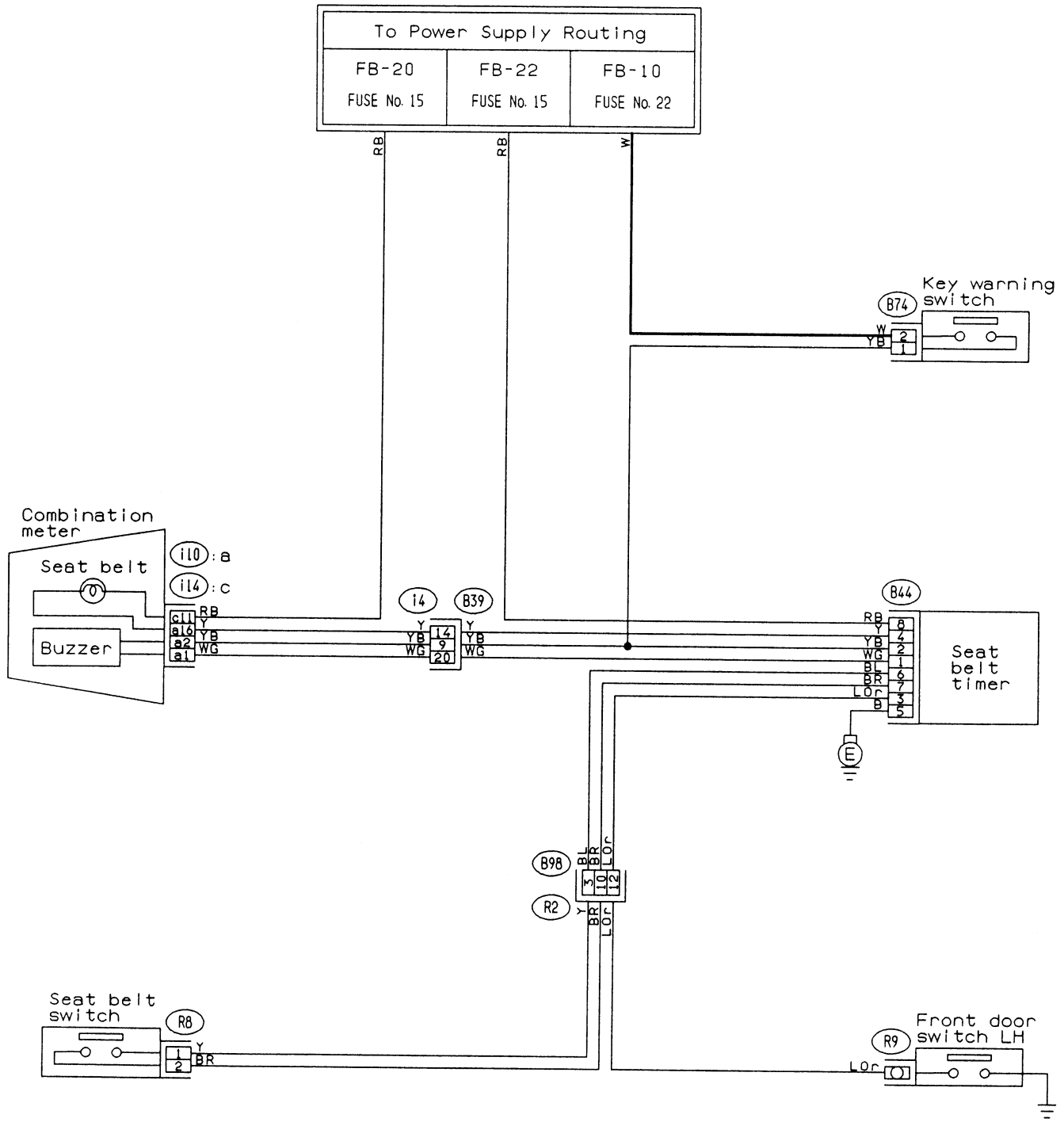
(i2)

(B30) (B101)



27. SEAT BELT WARNING SYSTEM

● LHD model



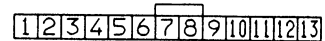
(R8) (B74) (Black)



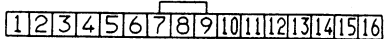
(B44)



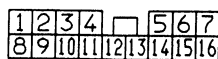
(i14)



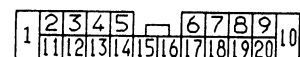
(i10) (Light gray)



(B98) (Black)

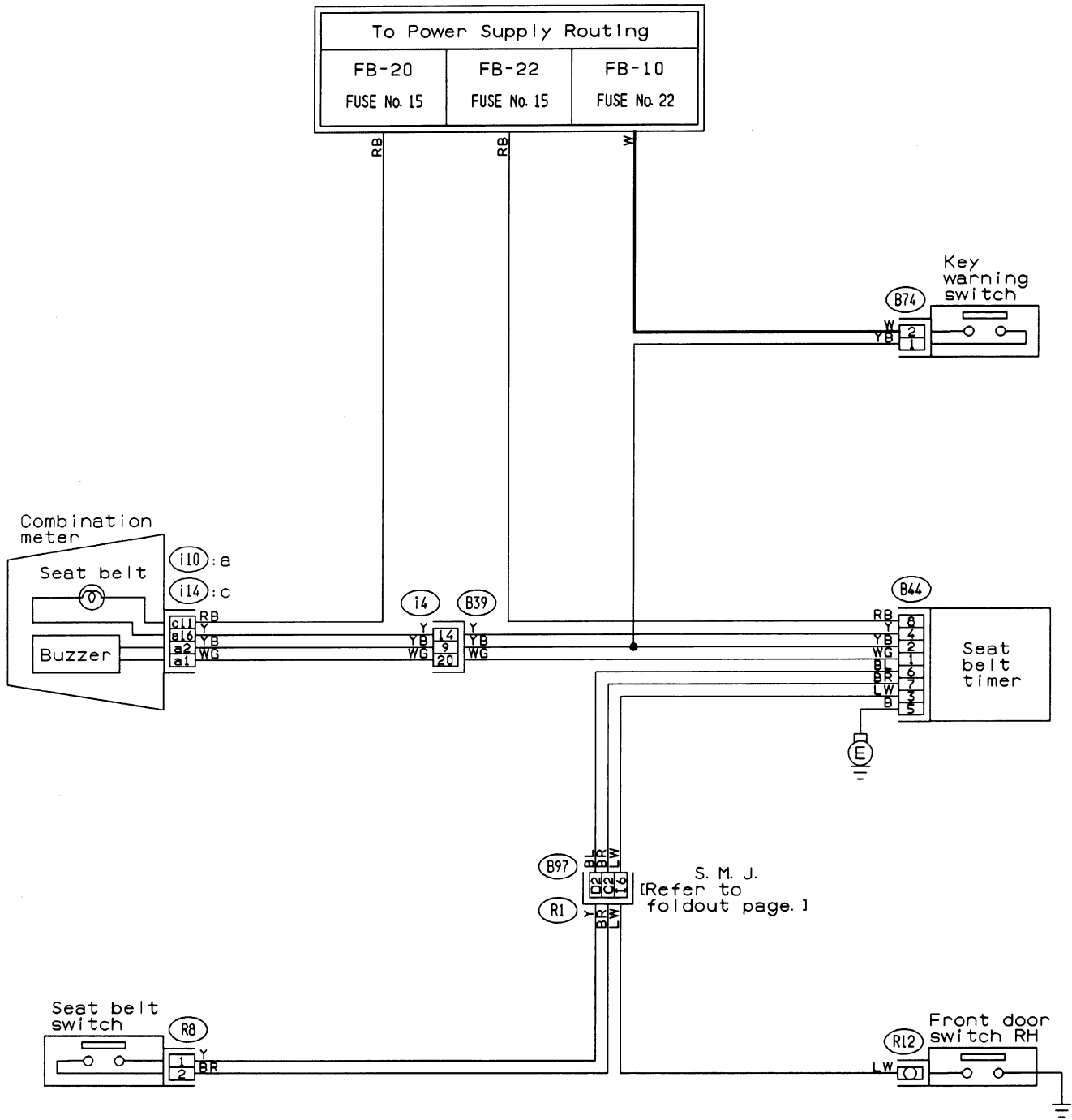


(i4) (Blue)



27. SEAT BELT WARNING SYSTEM

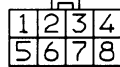
● RHD model



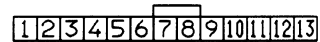
(R8) (B74) (Black)



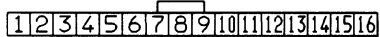
(B44)



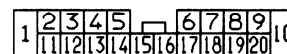
(i14)



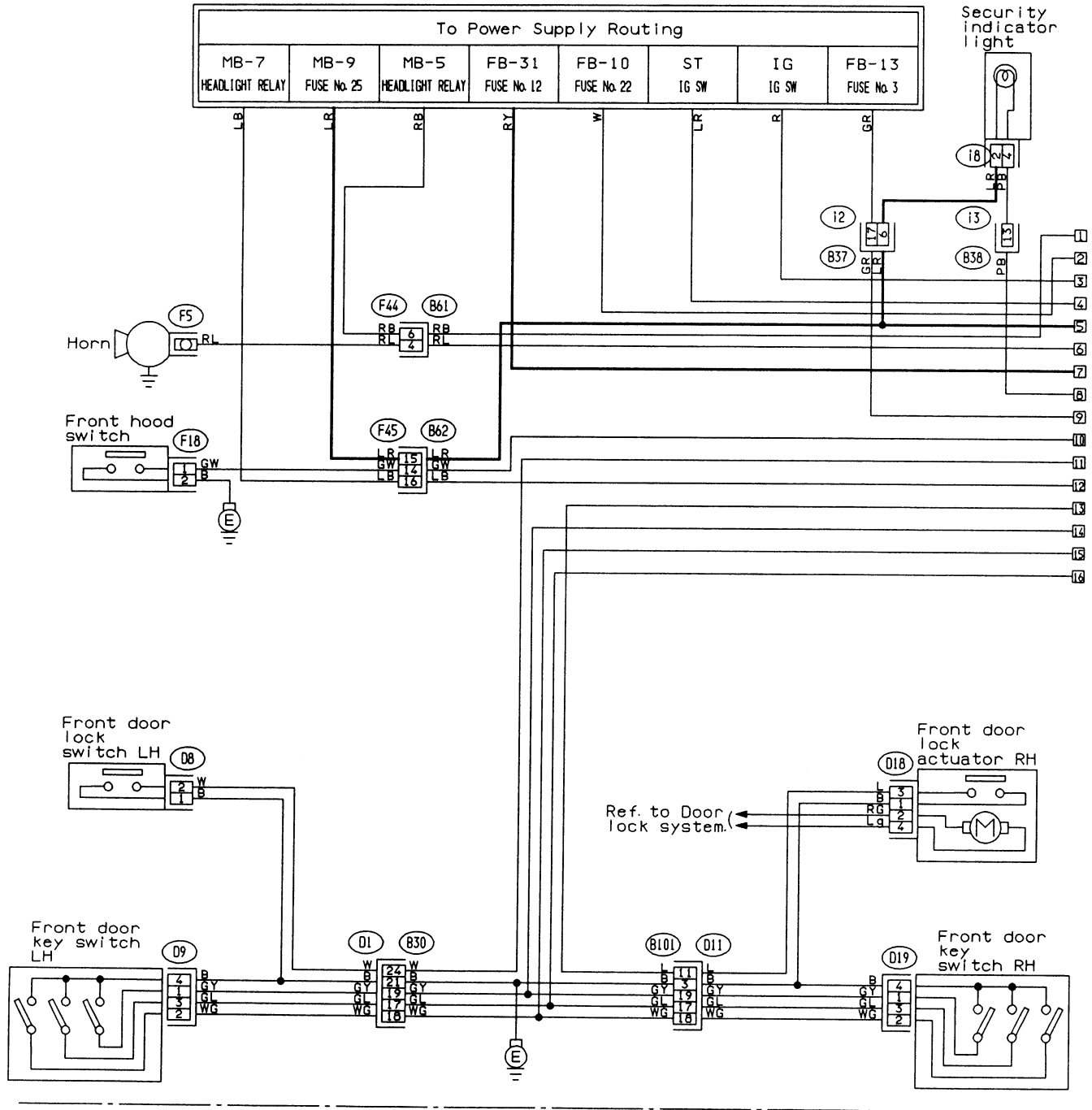
(i10) (Light gray)



(i4) (Blue)



28. SECURITY SYSTEM



(Gray) (R10) (R13) (F18) (D8) (Gray)

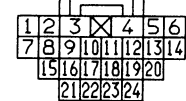
(Gray) (D9) (D19) (Gray)

(Brown) (i8) (D18) (Gray)

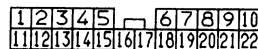
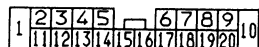
(Gray) (D26) (D32) (Gray)

(Gray) (D41) (D47) (Gray)

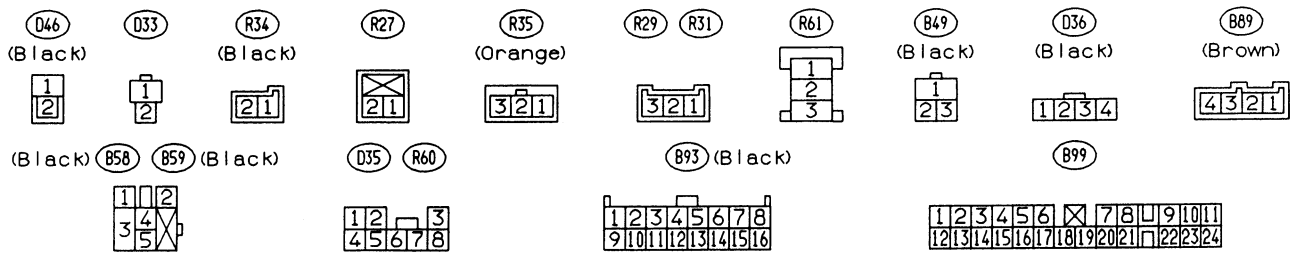
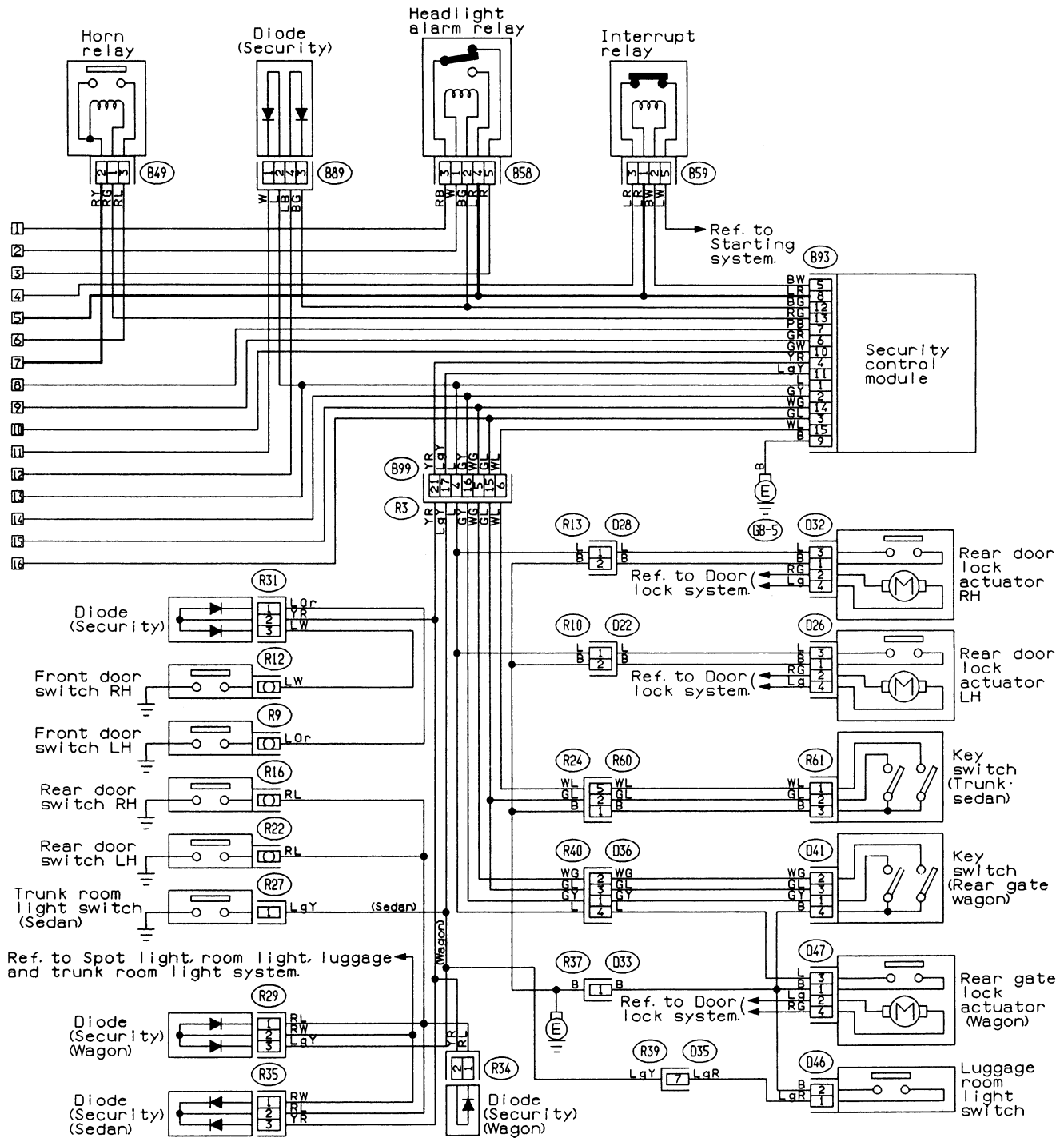
(B30) (B101)



(i2) (i3) (Brown)

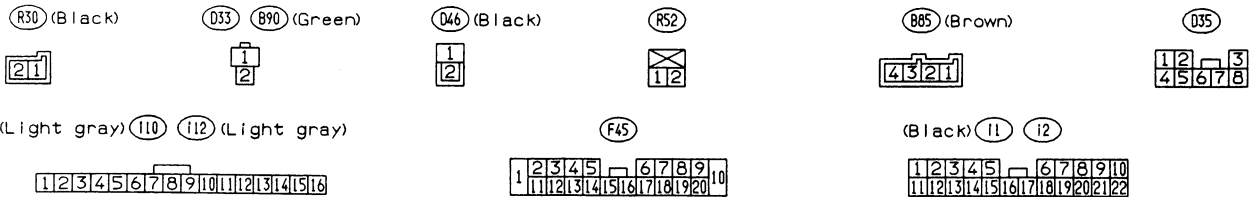
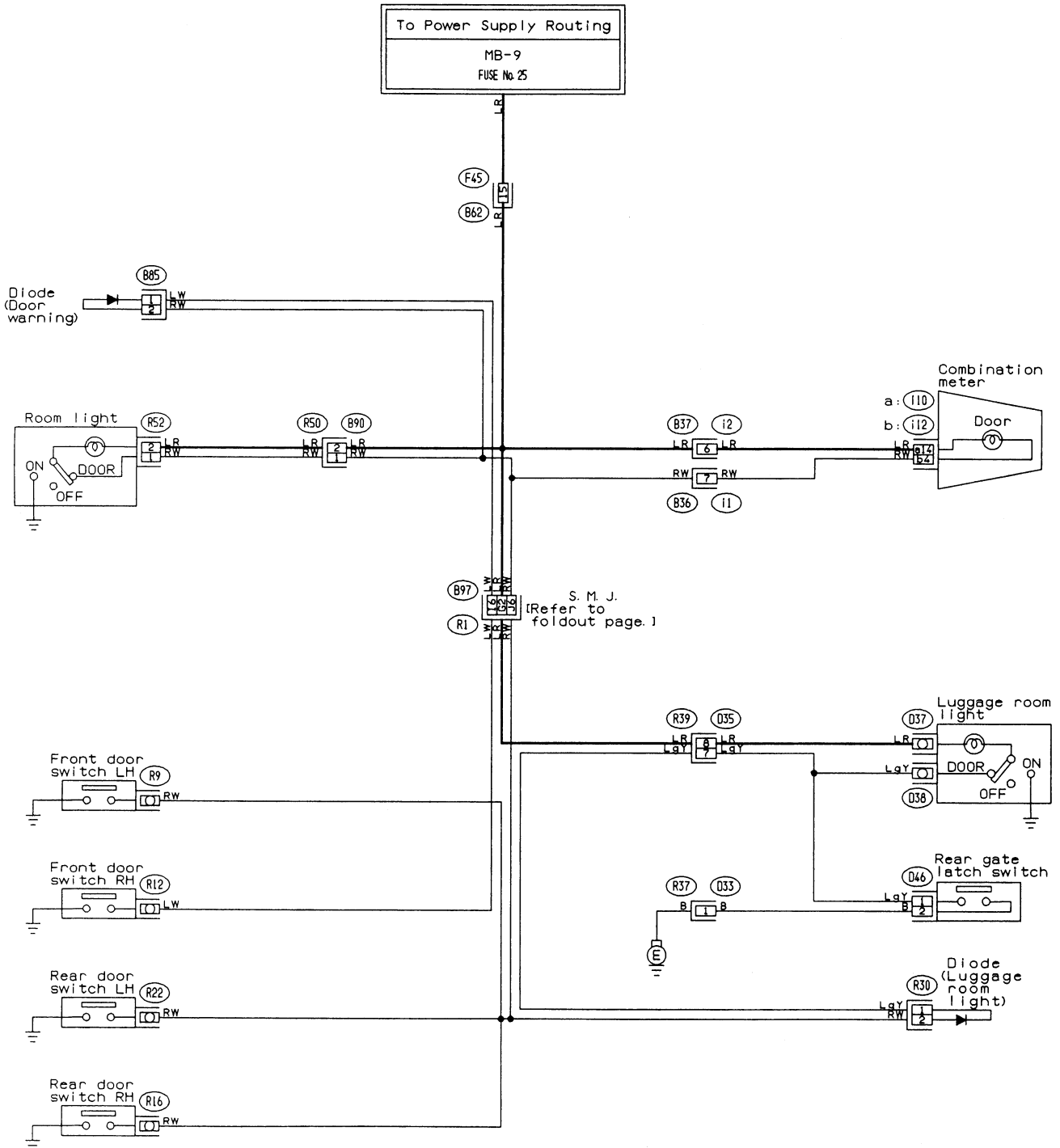


6. Wiring Diagram

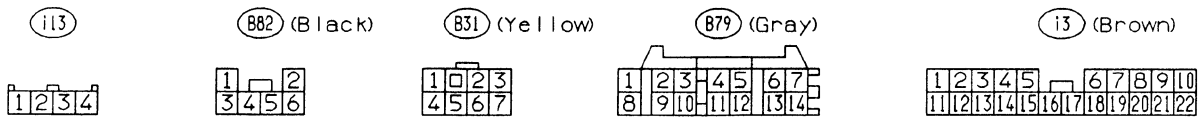
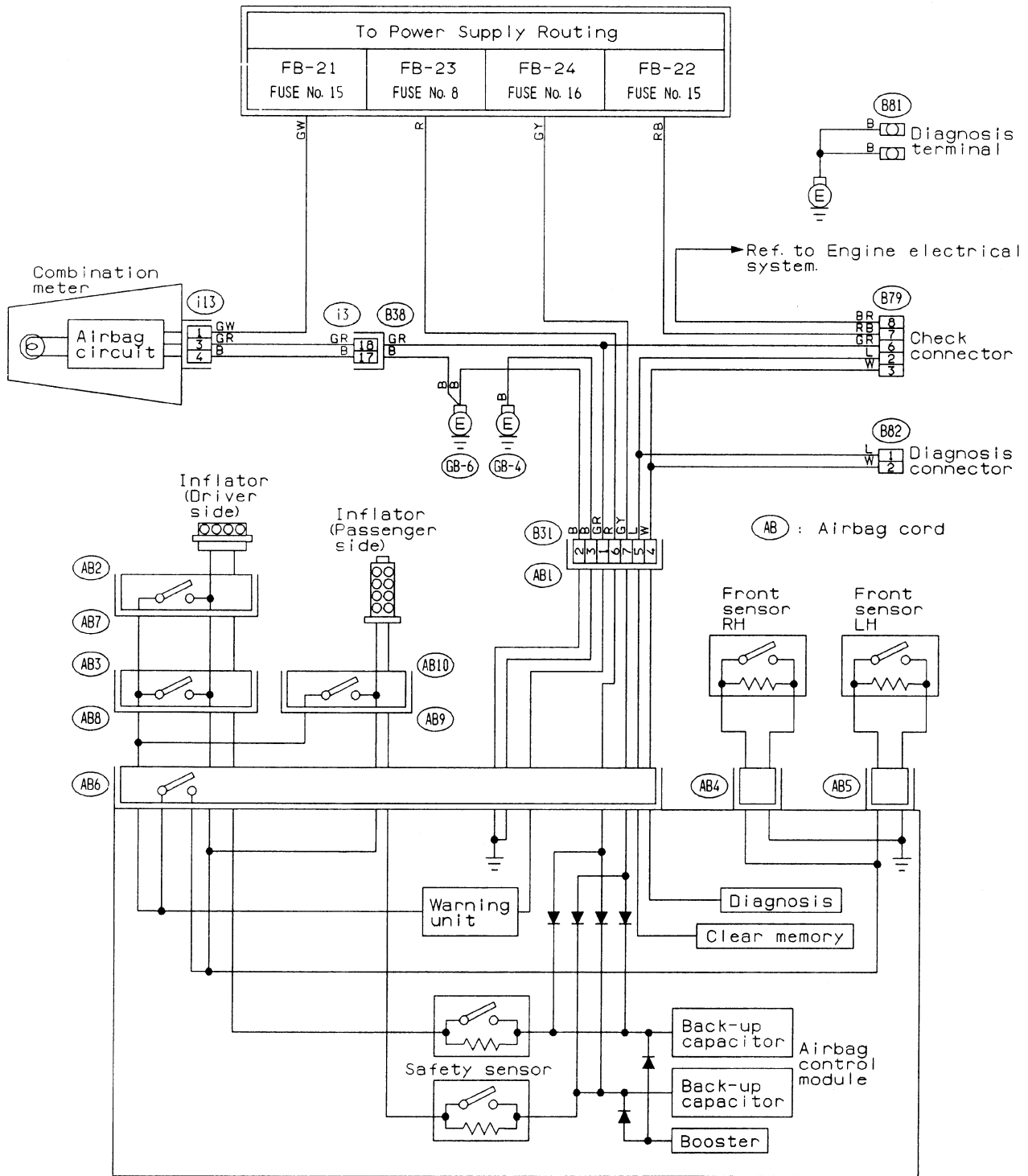


29. SPOT LIGHT, ROOM LIGHT, LUGGAGE AND TRUNK ROOM LIGHT SYSTEM

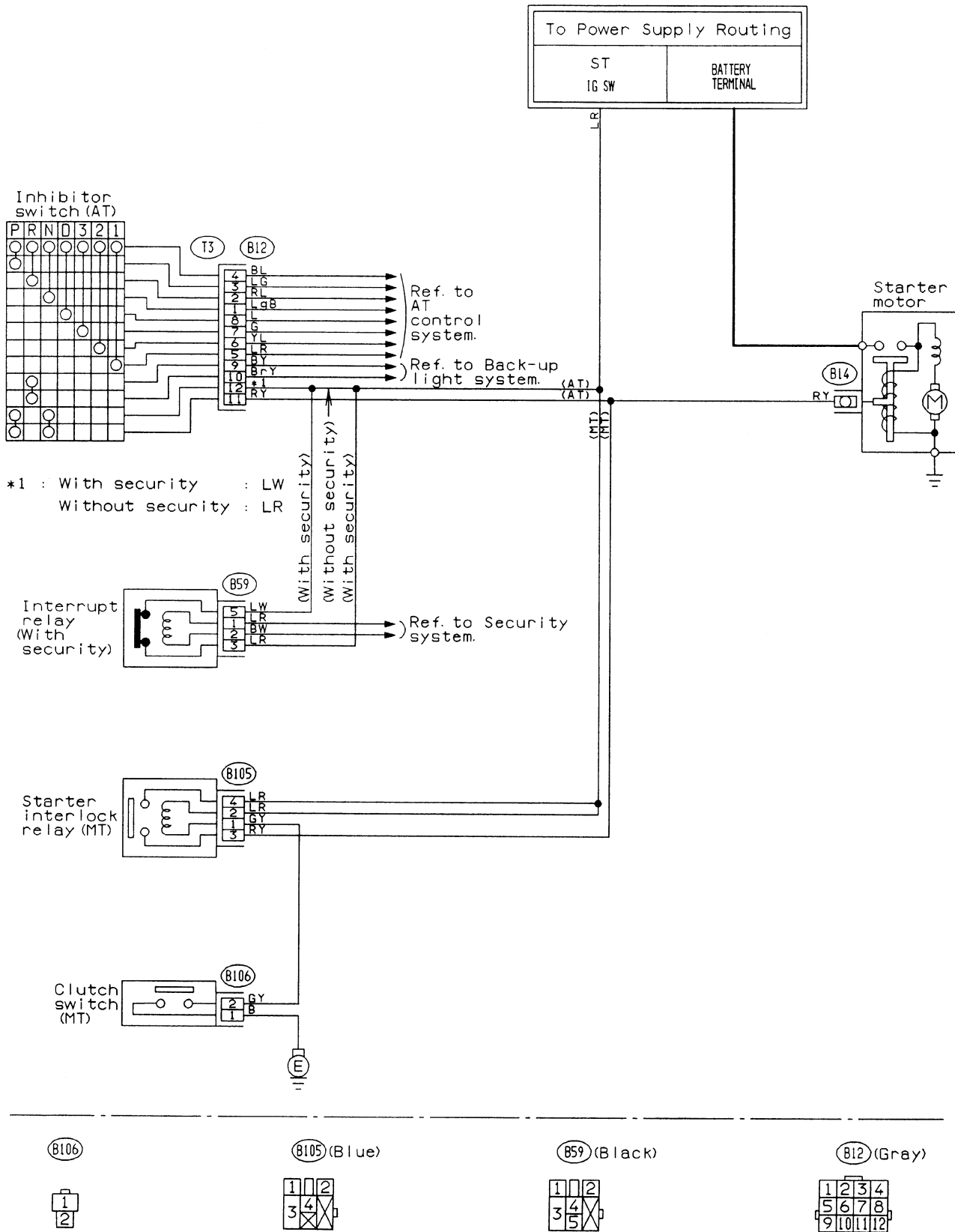
● RHD model



30. SRS (AIRBAG SYSTEM)

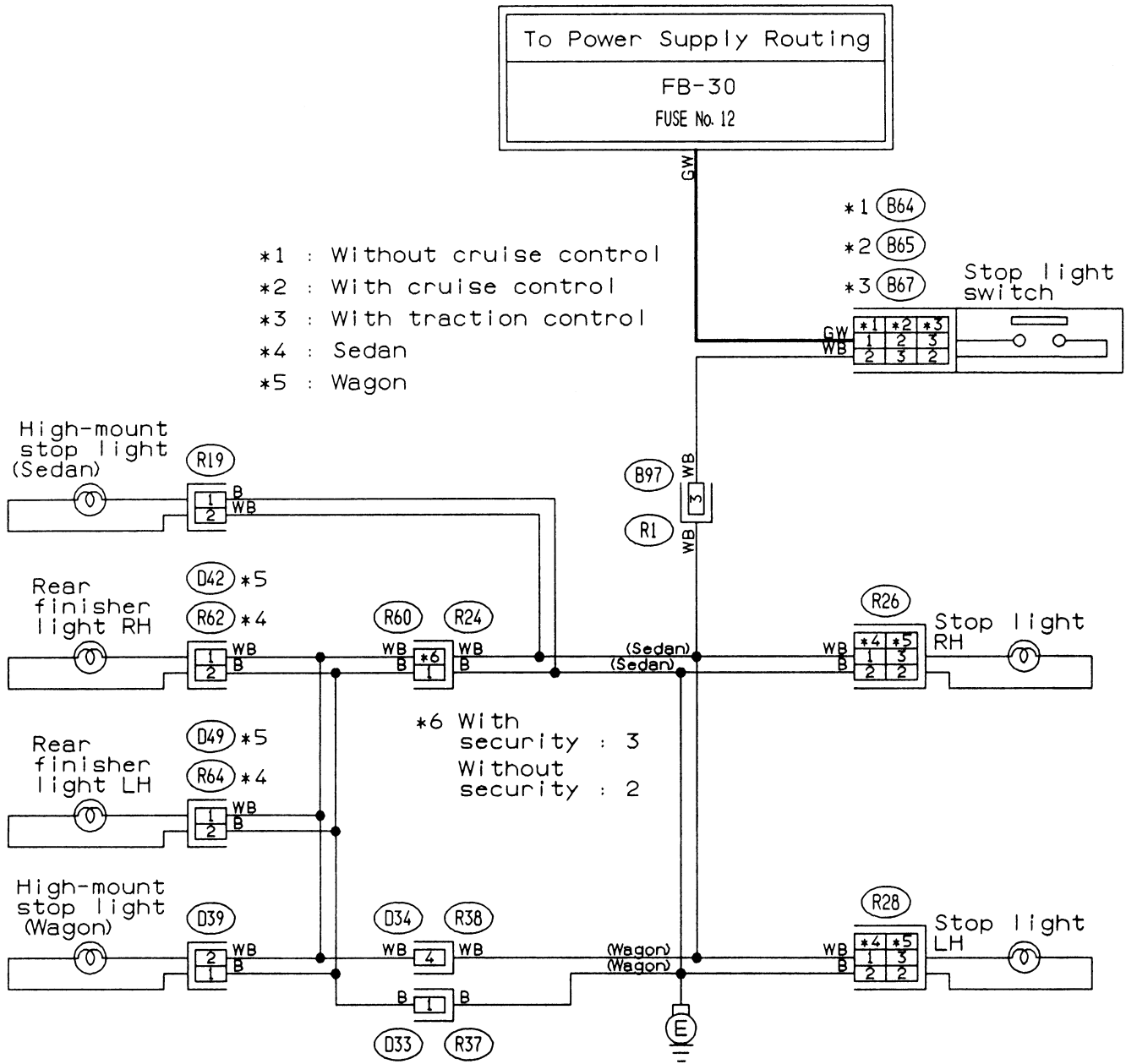


31. STARTING SYSTEM



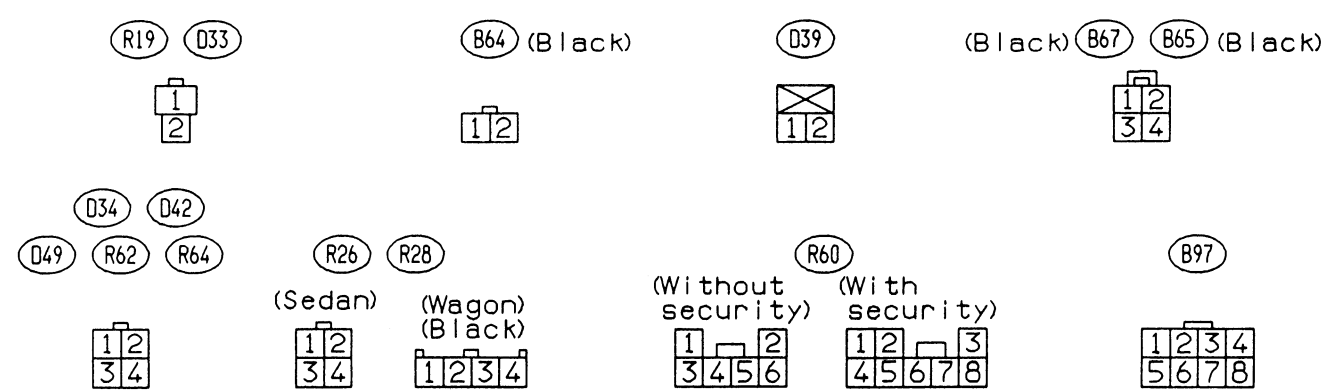
32. STOP LIGHT SYSTEM

● LHD model



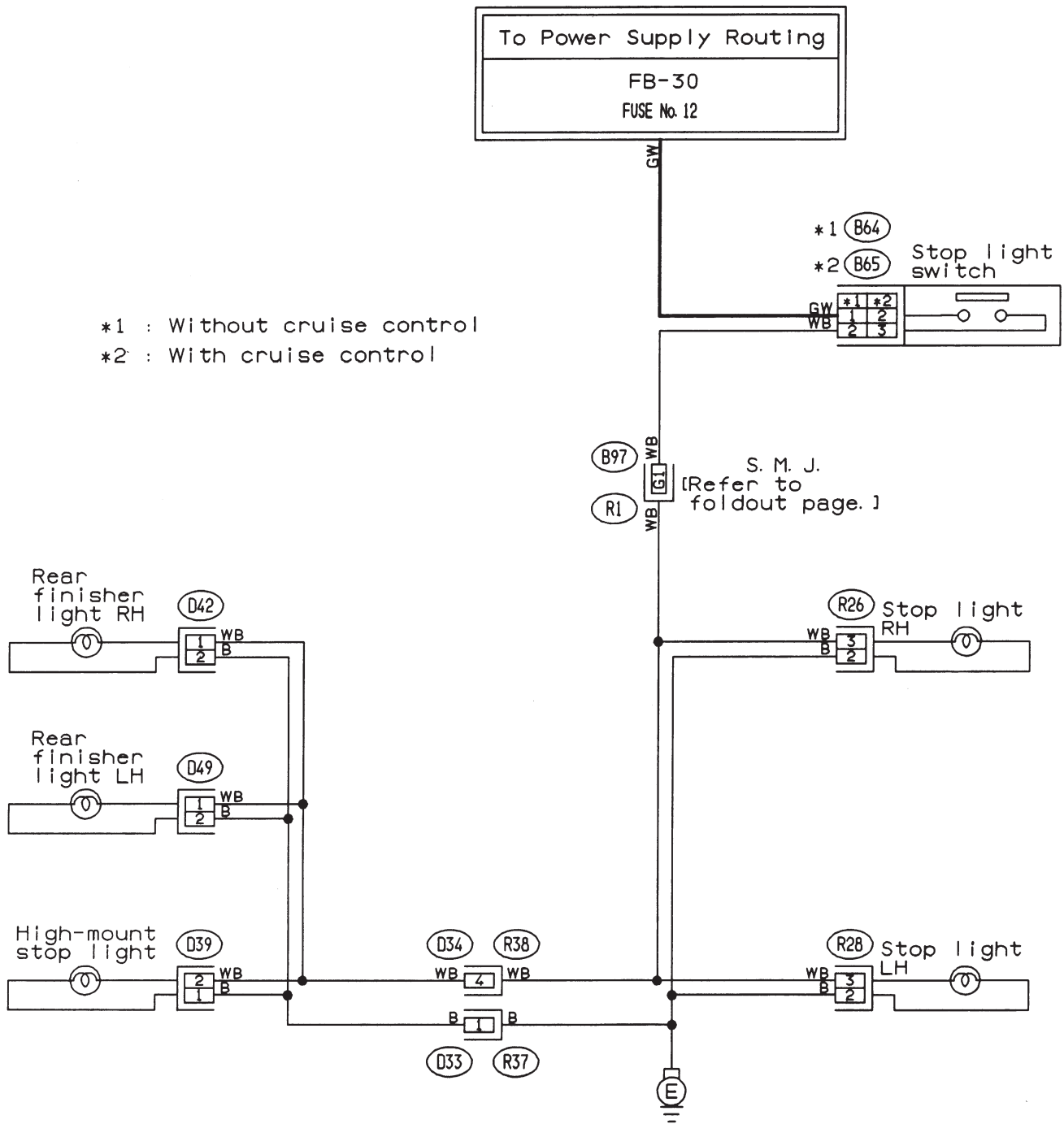
*1 : Without cruise control
 *2 : With cruise control
 *3 : With traction control
 *4 : Sedan
 *5 : Wagon

*6 With security : 3
 Without security : 2



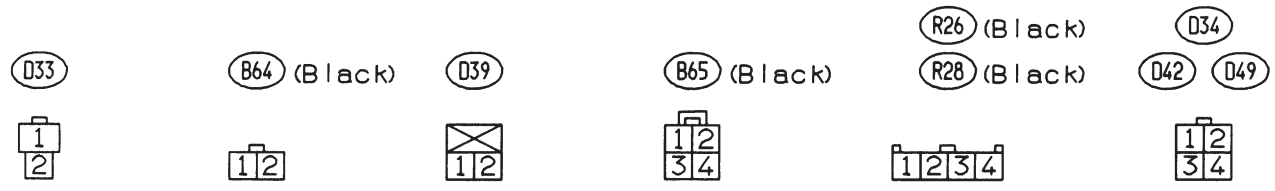
32. STOP LIGHT SYSTEM

● RHD model



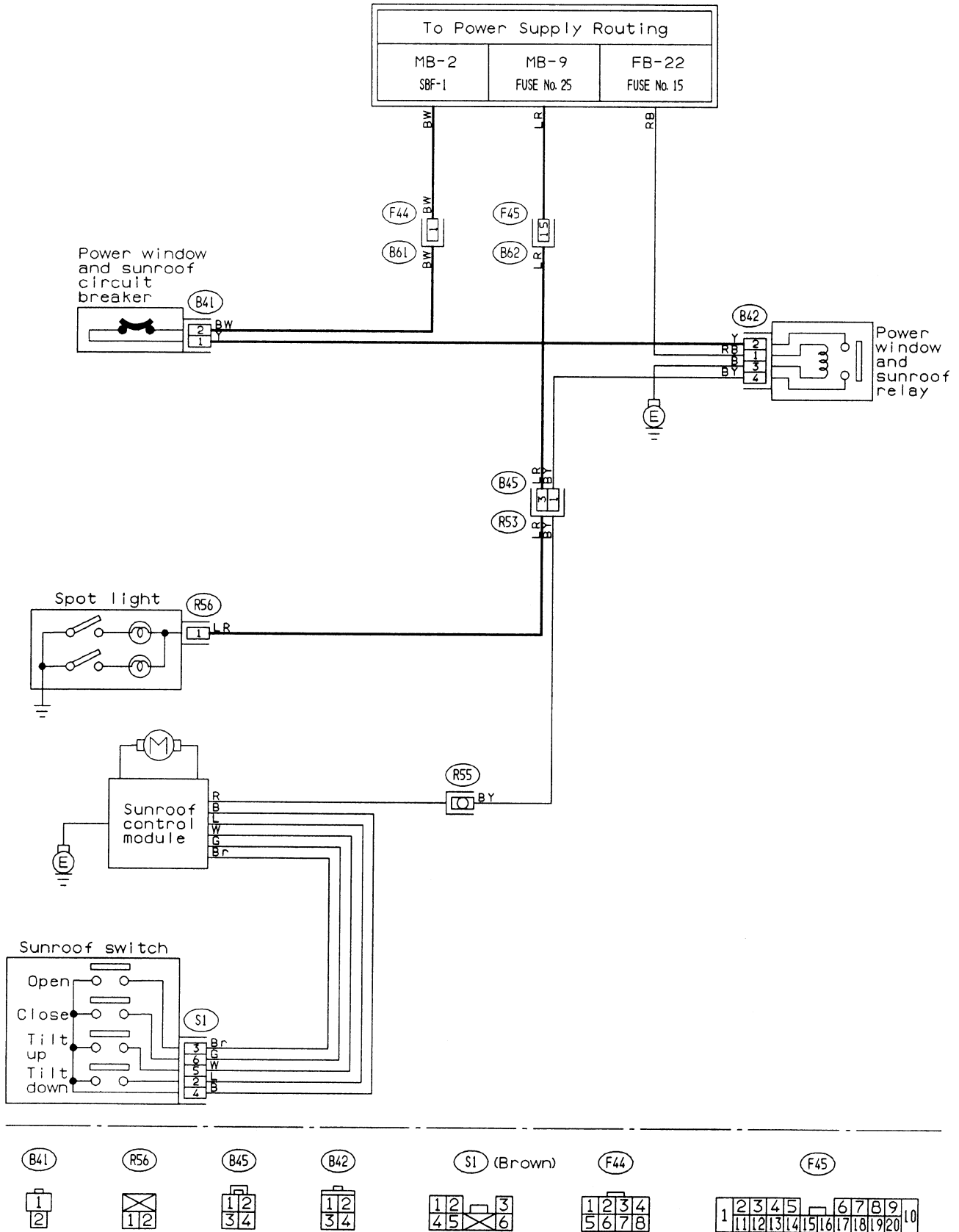
*1 : Without cruise control
*2 : With cruise control

B97 WB
R1 WB
S. M. J.
[Refer to foldout page.]

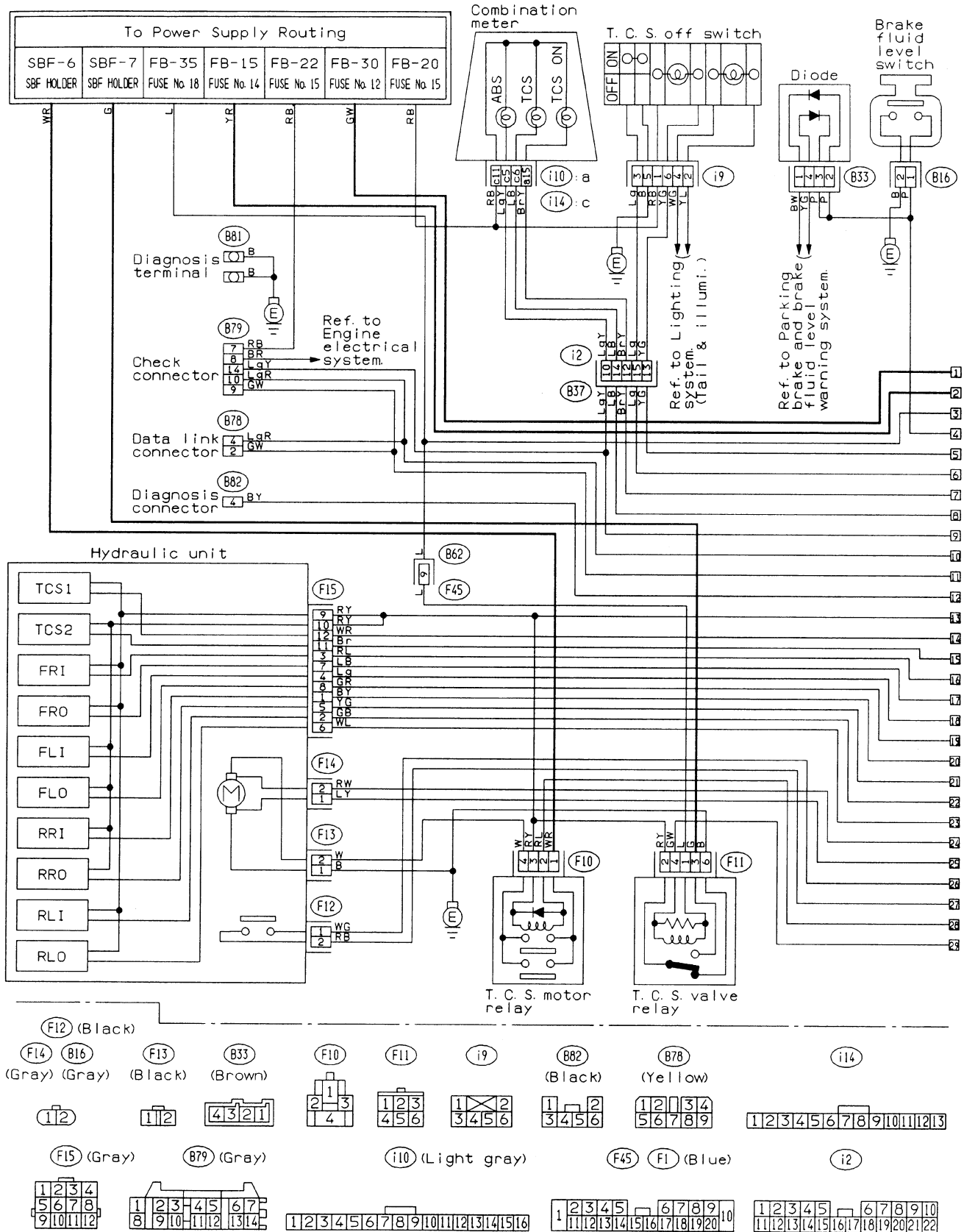


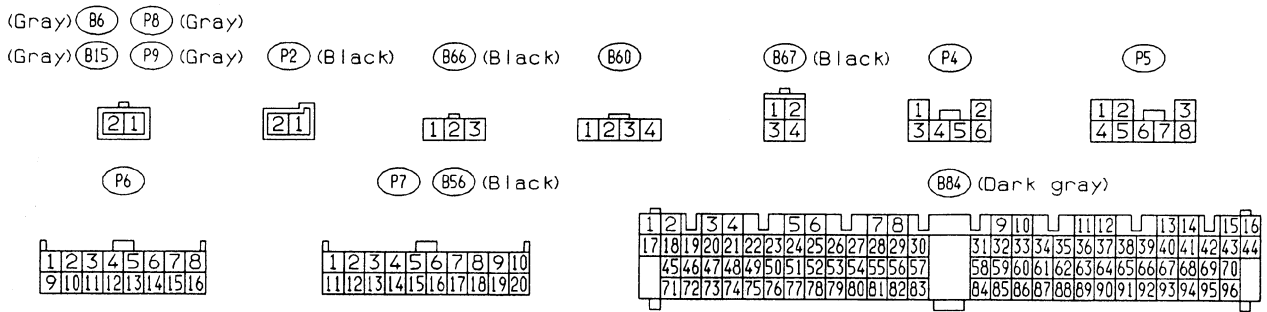
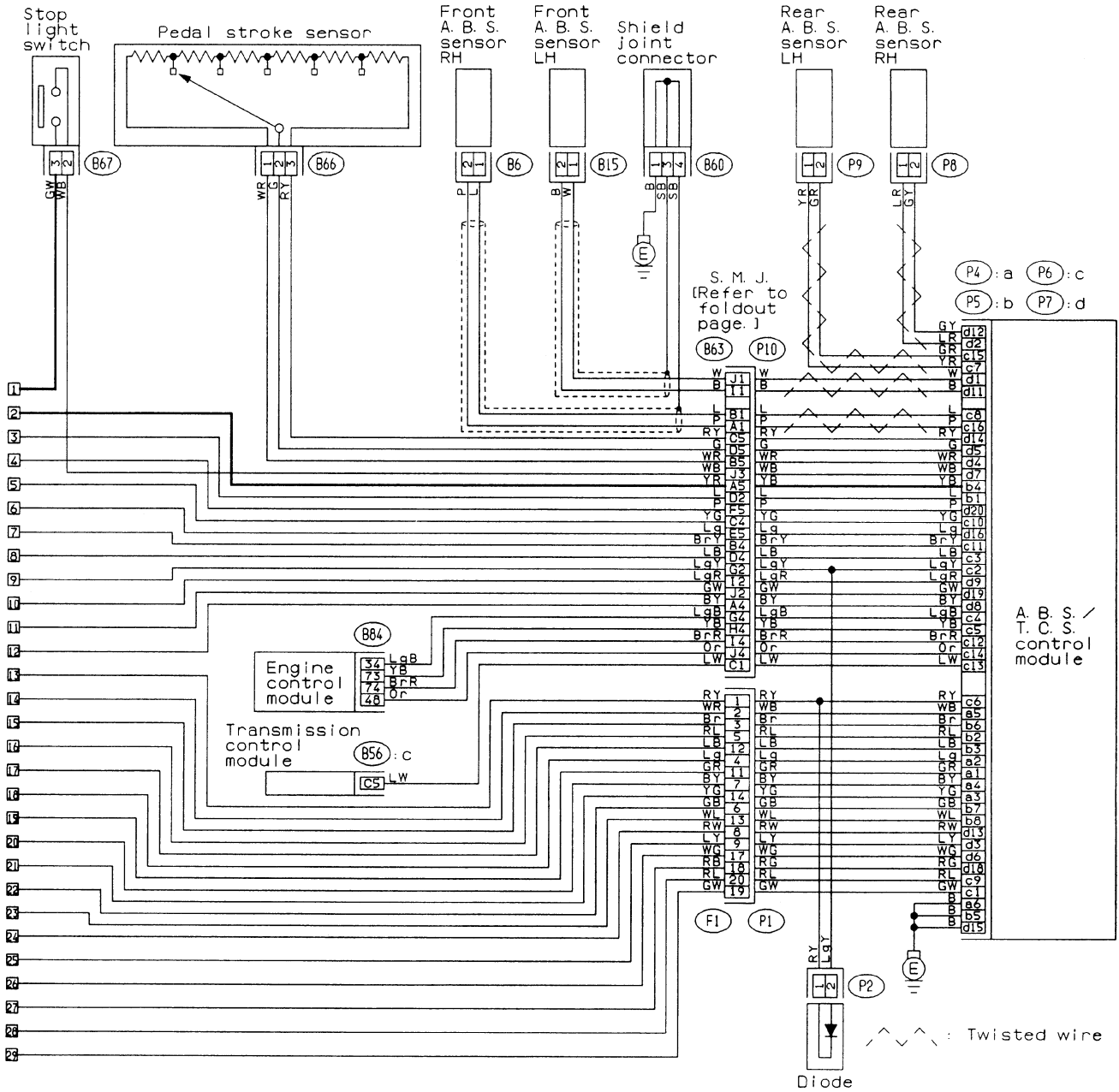
BUR25-01

33. SUNROOF SYSTEM



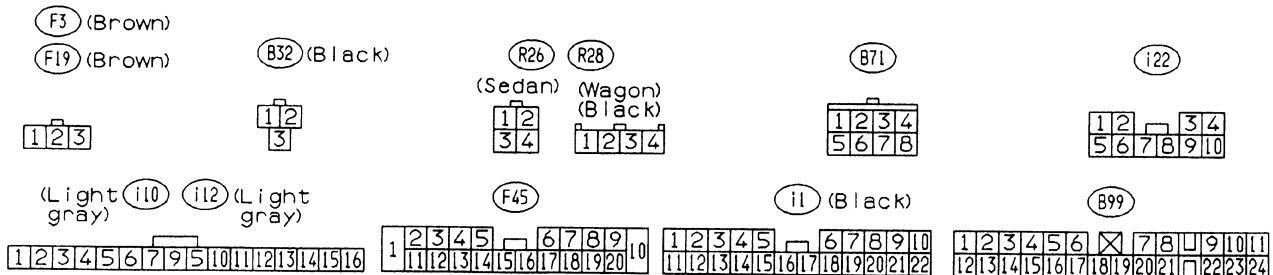
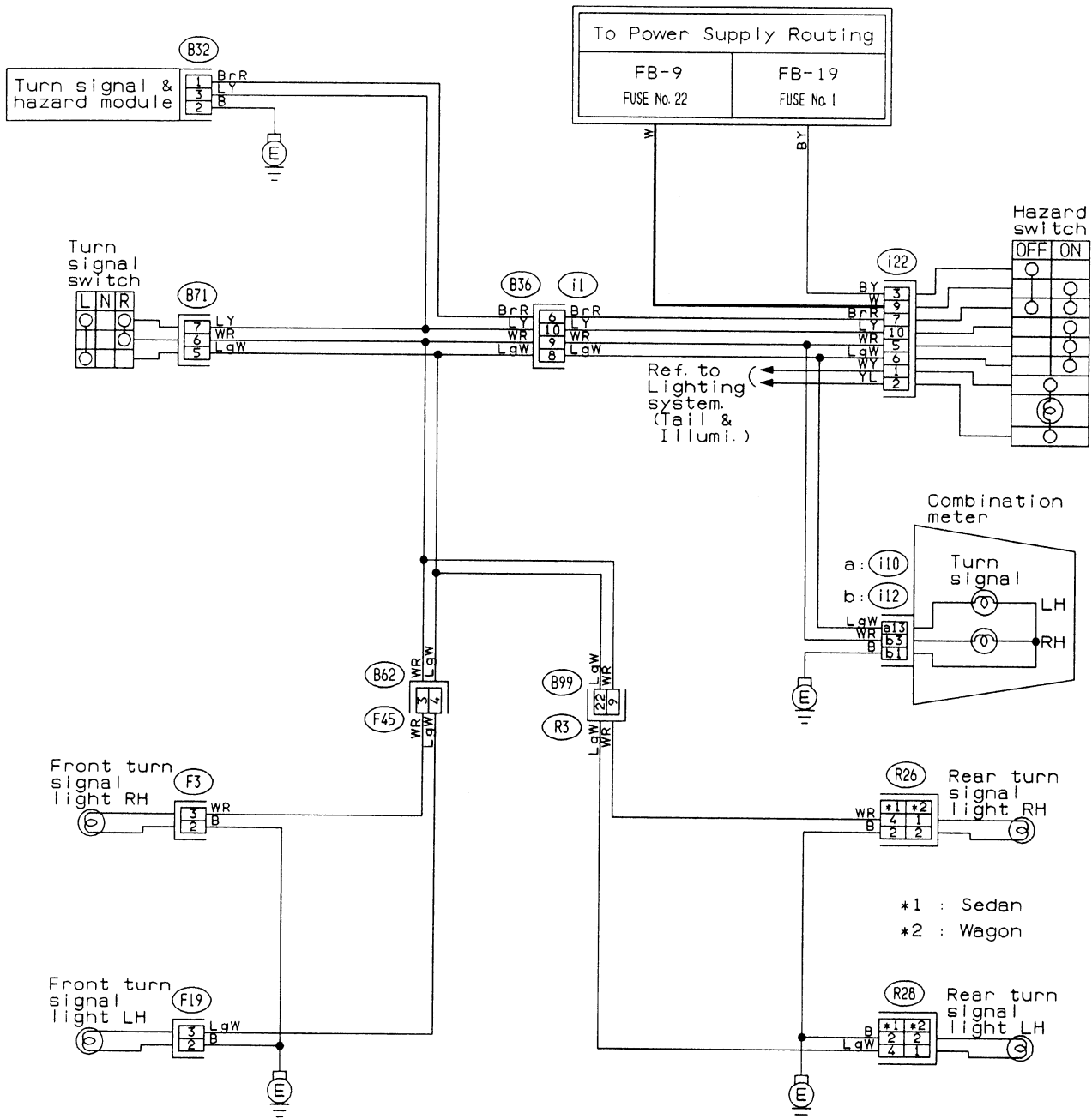
34. TRACTION CONTROL SYSTEM





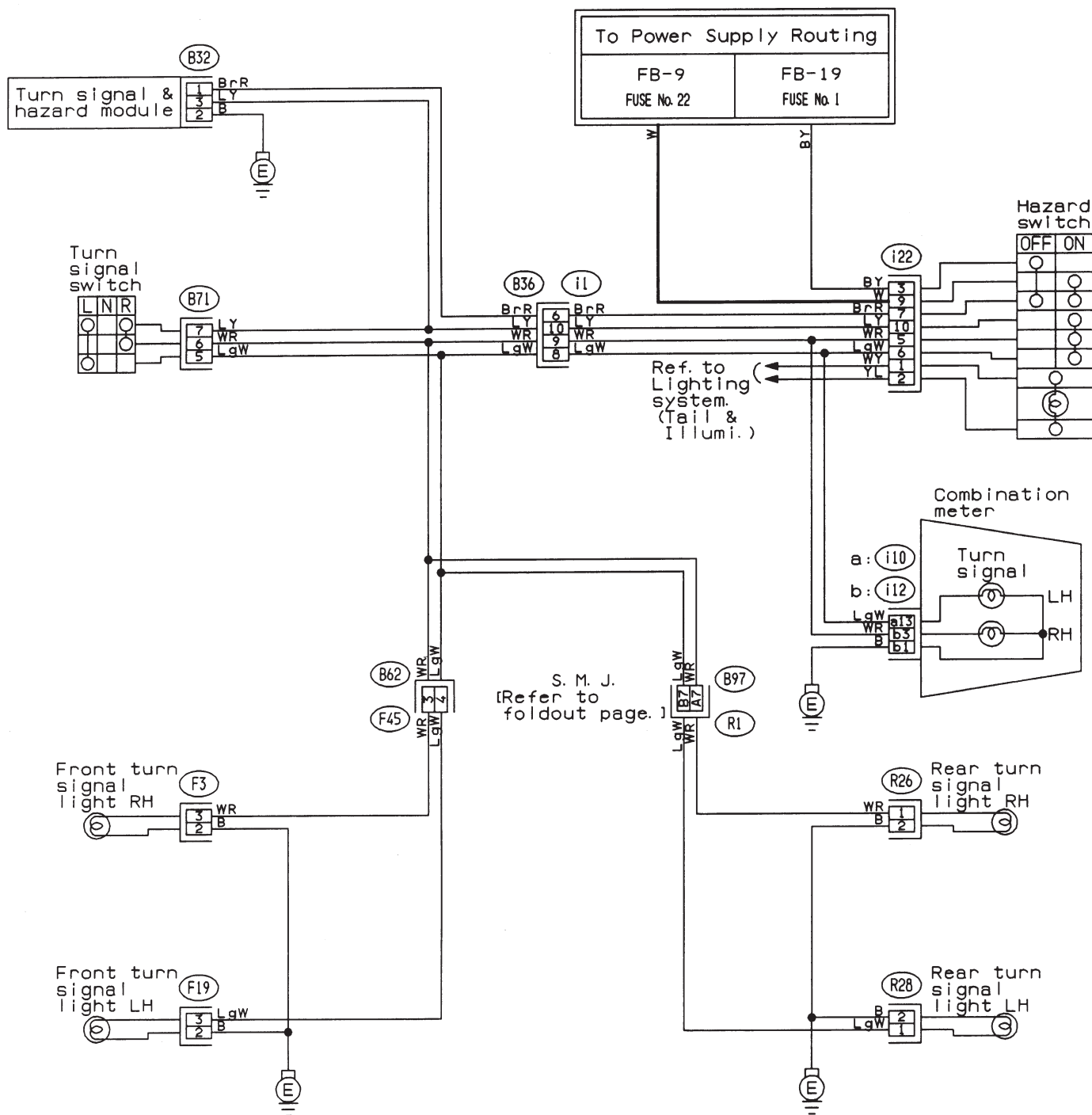
35. TURN SIGNAL AND HAZARD SYSTEM

● LHD model



35. TURN SIGNAL AND HAZARD SYSTEM

● RHD model



F3 (Brown)

F19 (Brown)

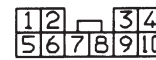
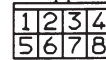
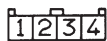
B32 (Black)

R26 (Black)

R28 (Black)

B71

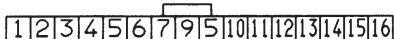
i22



(Light gray) i10 i12 (Light gray)

F45

i1 (Black)

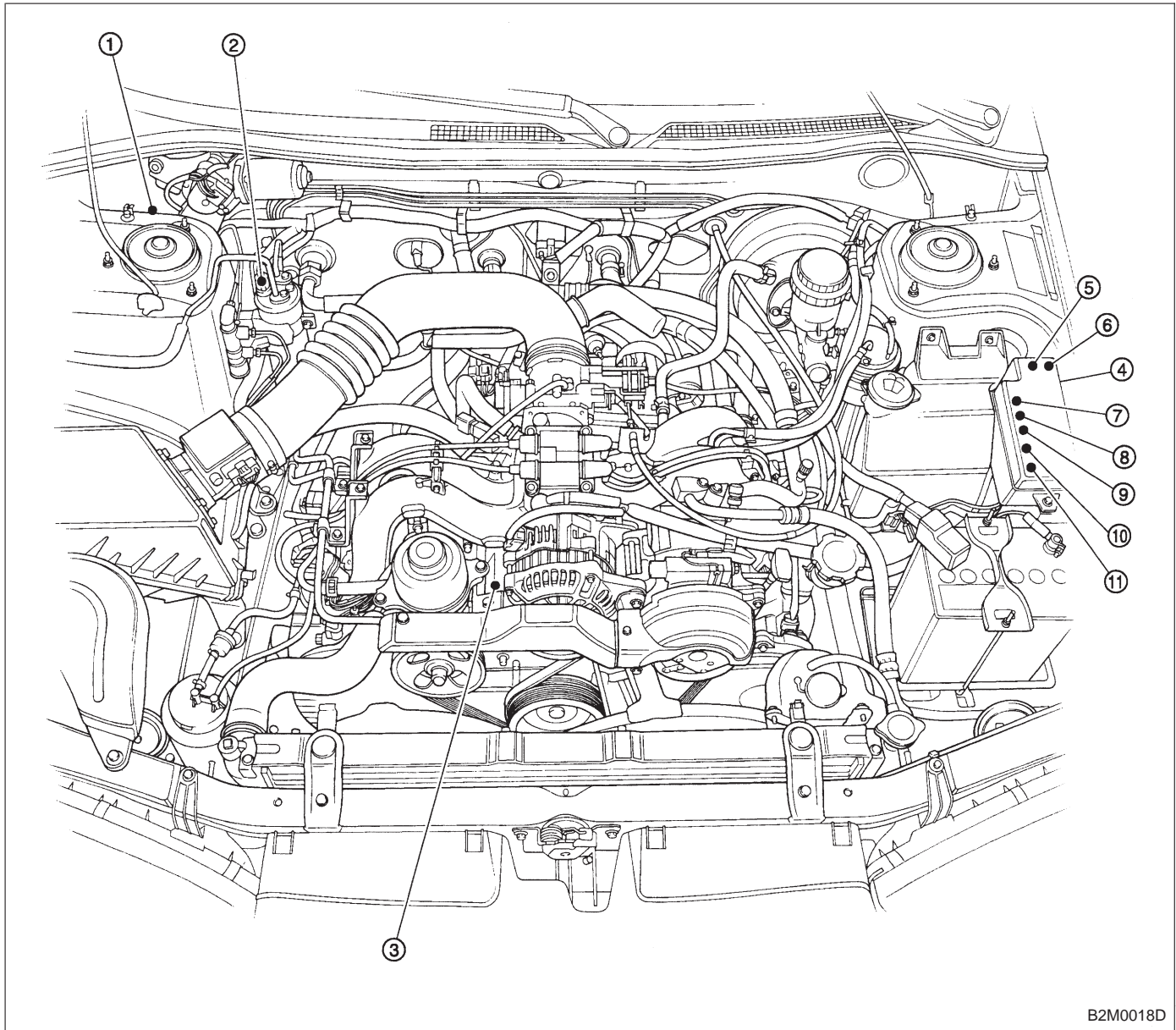


7. Electrical Unit Location

Electrical unit	Refer to;
A.B.S. control module	4-4a [T300]
A.B.S. G sensor (MT)	4-4a [T300]
A/C compressor relay	⑦
A/C fuse	⑪
A/C main fan relay 1	⑩
A/C main fan relay 2	⑧
A/C pressure switch	②
A/C sub fan relay 2	⑨
ATF temperature sensor	2-7 [T2B1]
Blower motor resistor	⑫
Blower relay	⑬
Camshaft position sensor	2-7 [T2A2]
Check connector	⑮
Clutch switch (MT)	6-2 [T300]
Crankshaft position sensor	2-7 [T2A2]
Cruise control module	6-2 [T300]
Cruise control pump	6-2 [T300]
Data link connector (for OBD-II G.S.T.)	2-7 [T2A1]
Data link connector (for S.S.M.)	2-7 [T2A1]
Diagnosis connector	4-4a [T300]
Diagnosis terminal (Ground)	4-4a [T300]
Door lock timer	⑰
Engine control module	2-7 [T2A1]
Engine coolant temperature sensor	2-7 [T2A2]
Engine hood switch (Security)	6-2 [K6A0]
Evaporator thermostswitch	⑲
F/B	⑮
FRESH/RECIRC actuator	⑳
Fuel pump relay	2-7 [T2A3]
Fuel gauge module	⑳
Fuel gauge sub module (AWD)	㉑
FWD switch (AT)	①
Headlight alarm relay (Security)	6-2 [K6A0]
Headlight relay LH	⑤
Headlight relay RH	⑥
Horn relay	⑭

Electrical unit	Refer to;
Hydraulic unit (A.B.S.)	4-4a [T300]
Ignition coil	2-7 [T2A3]
Ignitor	2-7 [T2A3]
Idle air control solenoid valve	2-7 [T2A3]
Illumination control module	㉒
Inhibitor switch	6-2 [T300]
Knock sensor	2-7 [T2A2]
Main fan relay	⑬
Main relay	2-7 [T2A3]
Mass air flow sensor	2-7 [T2A2]
Mode actuator	⑱
M/B	④
Oil pressure switch	③
Oxygen sensor	2-7 [T2A2]
Pedal stroke sensor (T.C.S.)	4-4b [T300]
Power window and sunroof relay	㉔
Power window circuit breaker	㉓
Purge control solenoid valve	2-7 [T2A3]
Rear defogger relay	⑰
Seat belt timer	㉕
Security control module	6-2 [K6A0]
Shift lock control module	㉖
Starter interrupt relay (Security)	6-2 [K6A0]
Stop & brake switch (With cruise control)	6-2 [T300]
Sunroof control module	㉗
Tail and illumination relay	⑱
T.C.S. control module	4-4b [T300]
T.C.S. motor relay	4-4b [T300]
T.C.S. valve relay	4-4b [T300]
Throttle position sensor	2-7 [T2A2]
Test mode connector	2-7 [T2A1]
Transmission control module	2-7 [T2B1]
Turn & hazard module	⑱
Vehicle speed sensor 1	2-7 [T2B1]
Vehicle speed sensor 2	2-7 [T2B1]

1. ENGINE ROOM

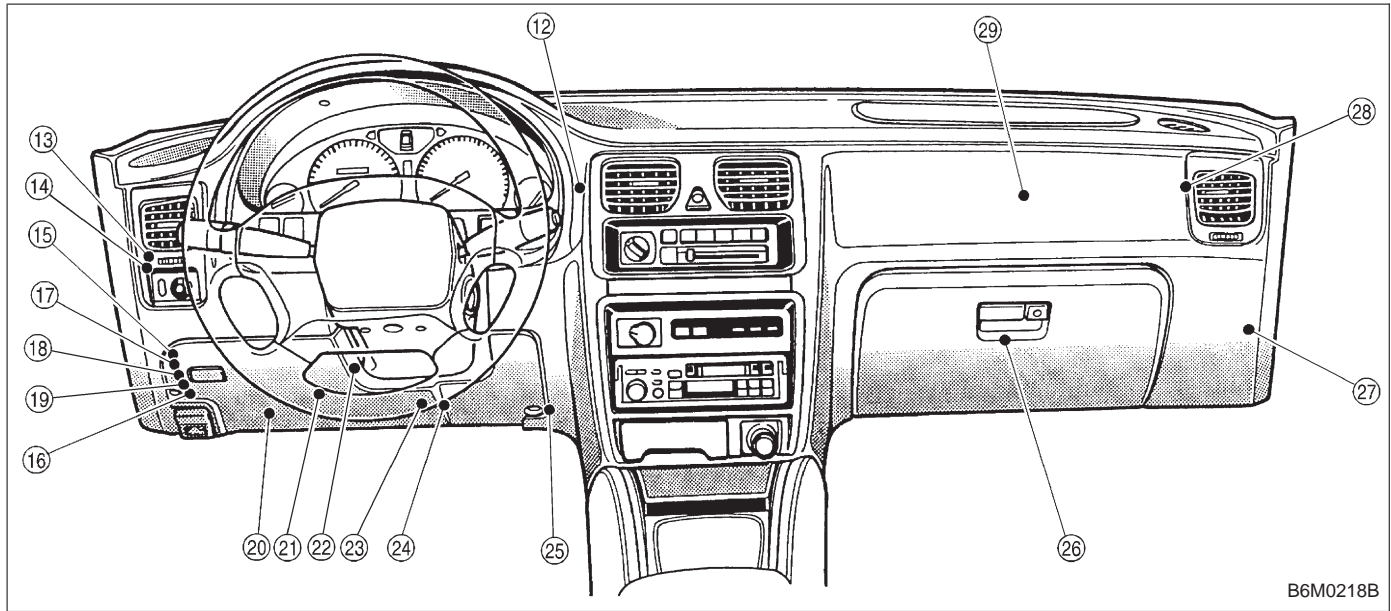


B2M0018D

- ① FWD switch (AT)
- ② A/C pressure switch
- ③ Oil pressure switch
- ④ M/B
- ⑤ Headlight relay LH
- ⑥ Headlight relay RH

- ⑦ A/C compressor relay
- ⑧ A/C main fan relay 2
- ⑨ A/C sub fan relay 2
- ⑩ A/C main fan relay 1
- ⑪ A/C fuse

2. INSTRUMENT PANEL

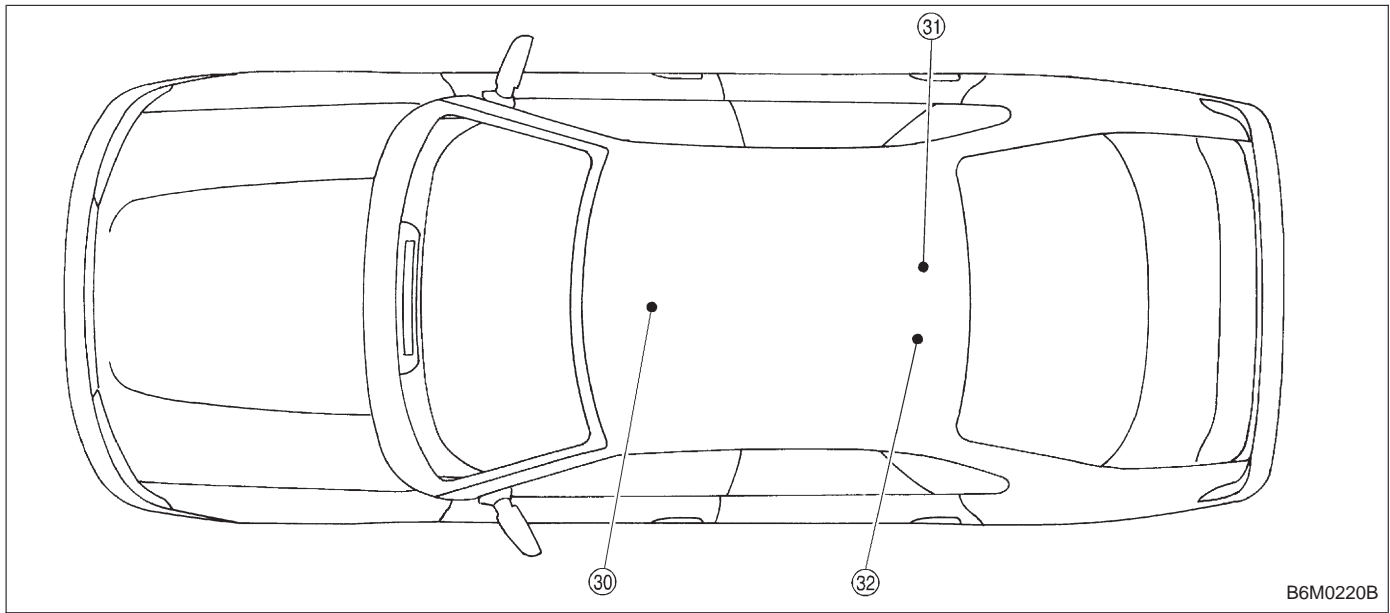


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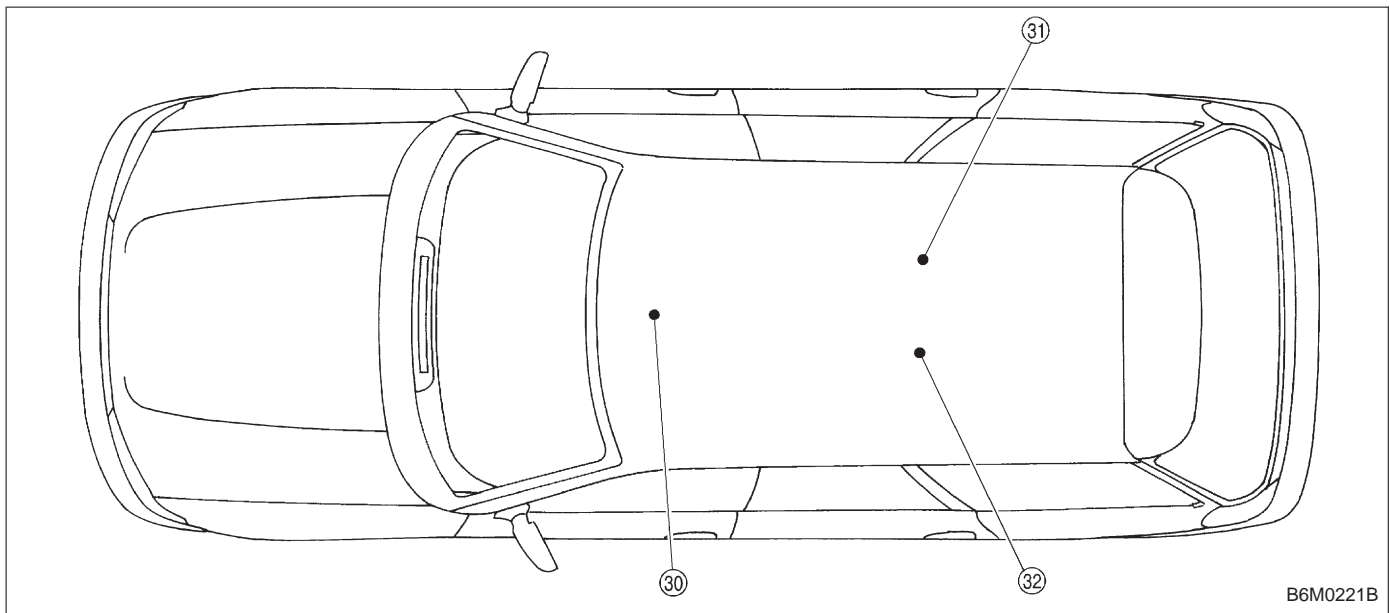
- | | |
|-----------------------------|--------------------------------|
| ⑫ Mode actuator | ⑳ Illumination control module |
| ⑬ Blower relay | ㉑ Shift lock control module |
| ⑭ Horn relay | ㉒ Power window circuit breaker |
| ⑮ F/B | ㉓ Power window & sunroof relay |
| ⑯ Turn & hazard module | ㉔ Check connector |
| ⑰ Rear defogger relay | ㉕ Blower motor resistor |
| ⑱ Tail & illumination relay | ㉖ Door lock timer |
| ㉑ Main fan relay | ㉗ FRESH/RECIRC actuator |
| ㉒ Seat belt timer | ㉘ Evaporator thermostwitch |

3. COMPARTMENT

● SEDAN



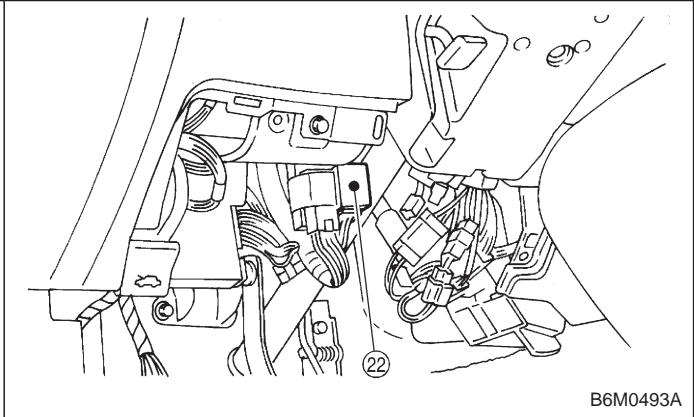
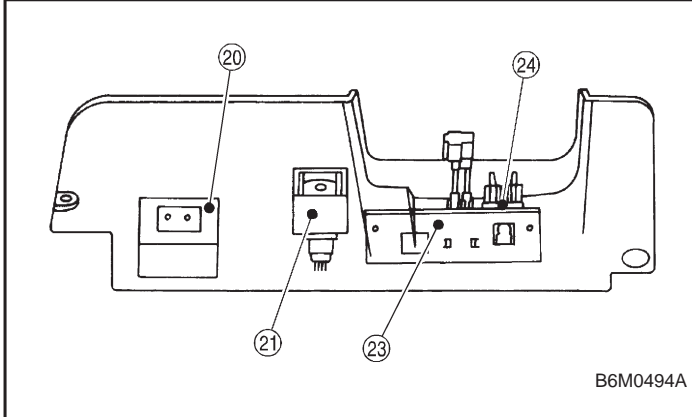
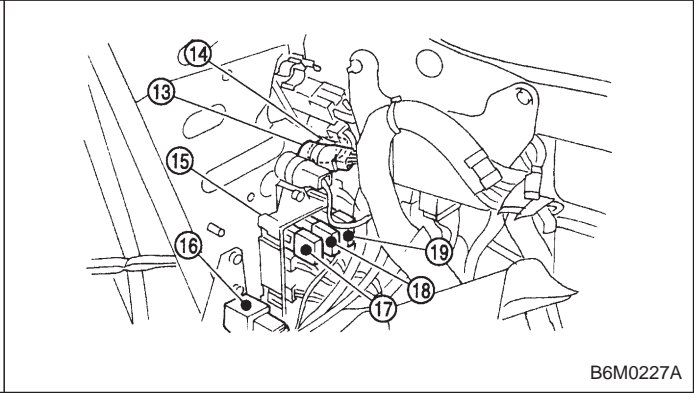
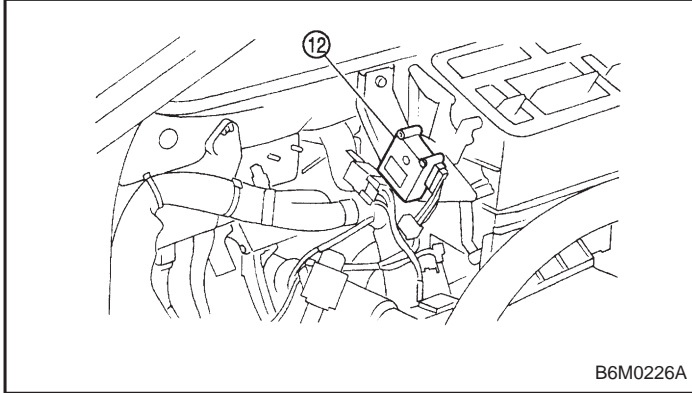
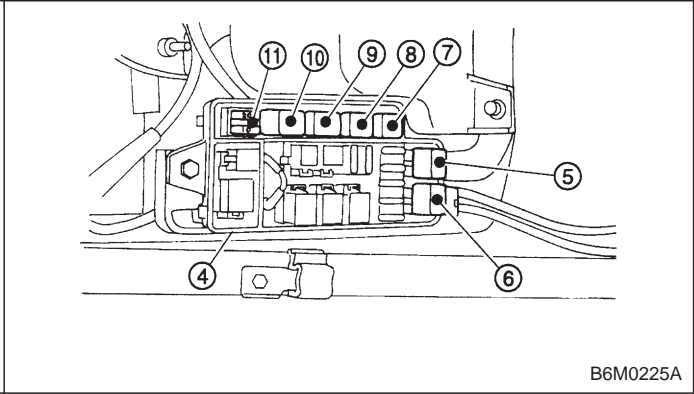
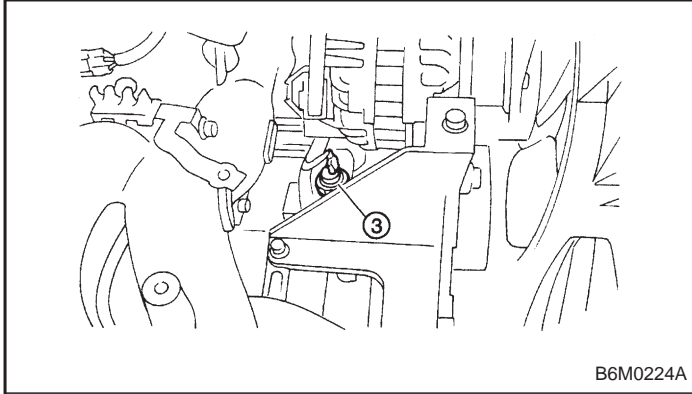
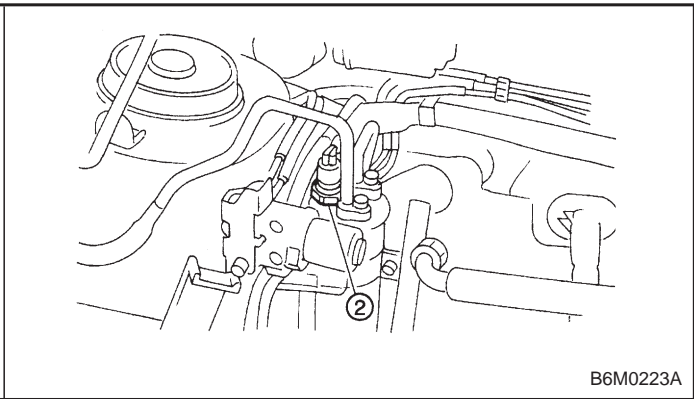
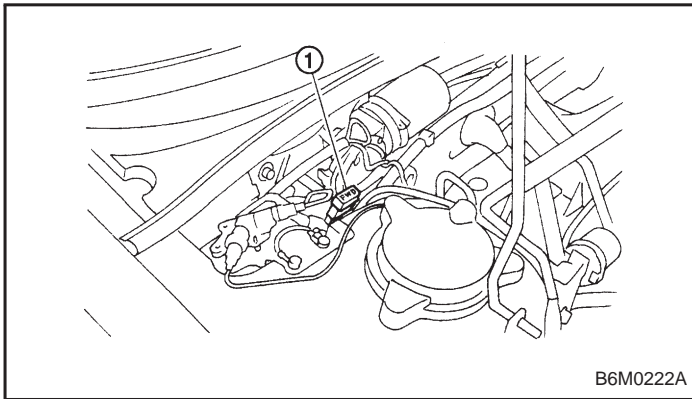
● WAGON

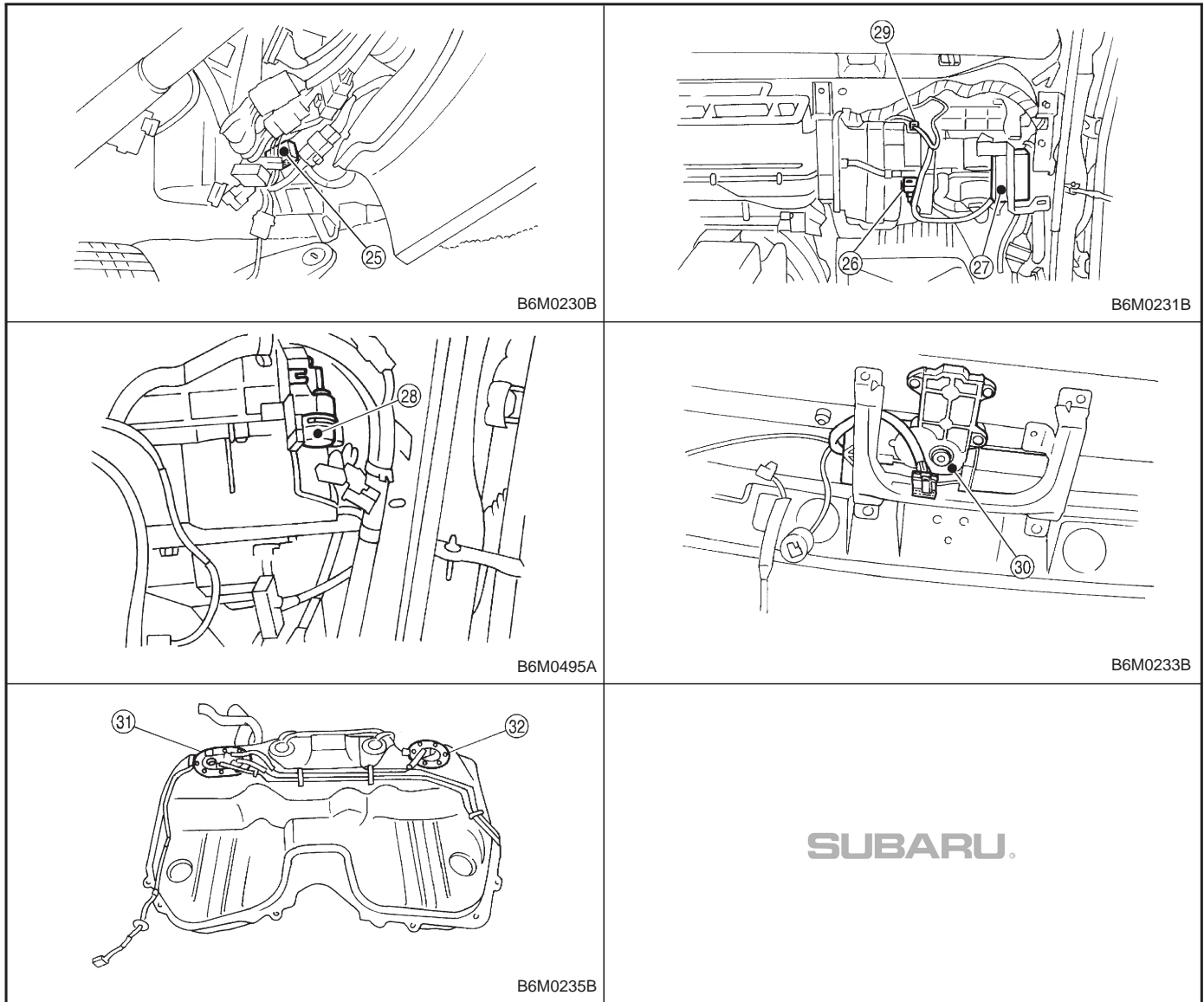


- ③① Sunroof control module
- ③① Fuel gauge module

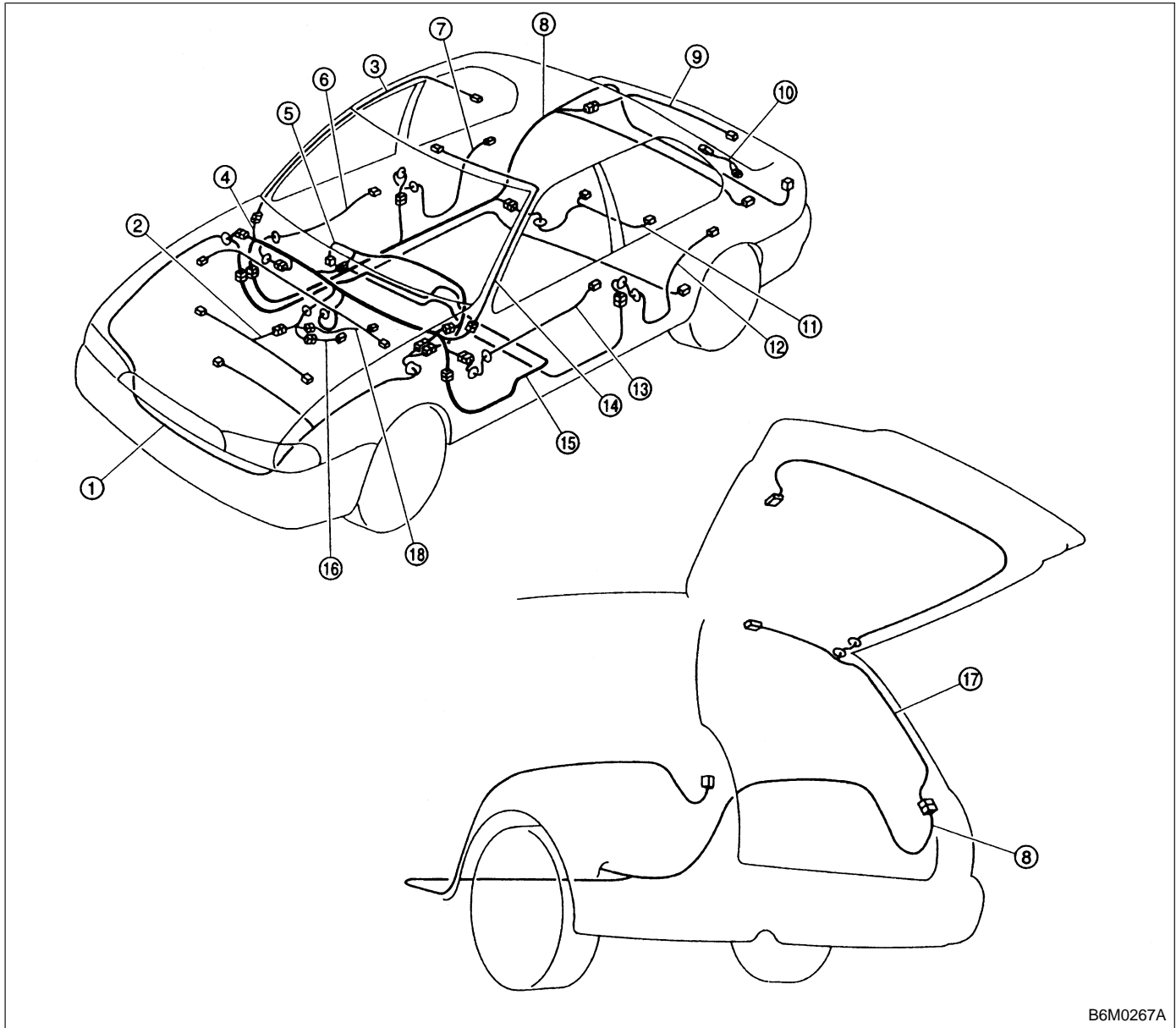
- ③② Fuel gauge sub module (AWD)

7. Electrical Unit Location





8. Electrical Wiring Harness and Ground Point



B6M0267A

- | | |
|-----------------------------------|-------------------------------------|
| ① Front wiring harness | ⑩ Rear defogger ground cord (Sedan) |
| ② Engine wiring harness | ⑪ Fuel tank cord |
| ③ Room light cord | ⑫ Rear door cord LH |
| ④ Bulkhead wiring harness | ⑬ Front door cord LH |
| ⑤ Instrument panel wiring harness | ⑭ Sunroof cord |
| ⑥ Front door cord RH | ⑮ Floor wiring harness |
| ⑦ Rear door cord RH | ⑯ Transmission cord |
| ⑧ Rear wiring harness | ⑰ Rear gate cord (Wagon) |
| ⑨ Trunk lid cord (Sedan) | ⑱ Rear oxygen sensor cord |