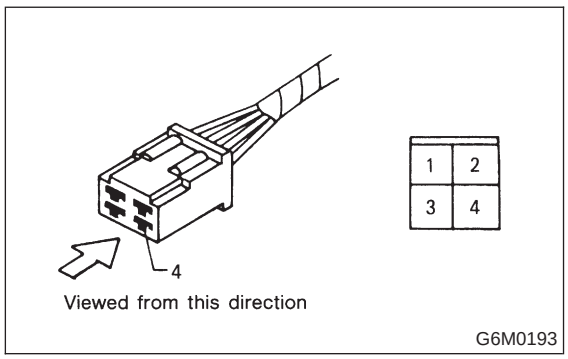
1. General Description

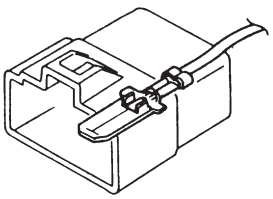
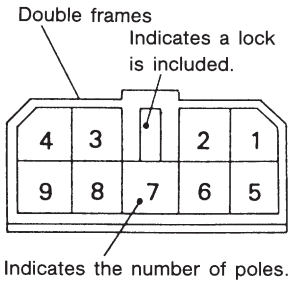
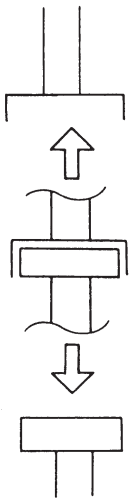
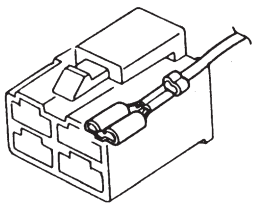
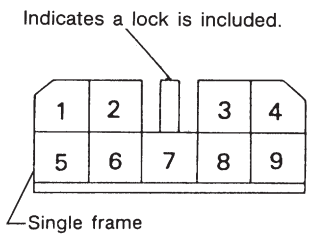
A: WIRING DIAGRAM

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:

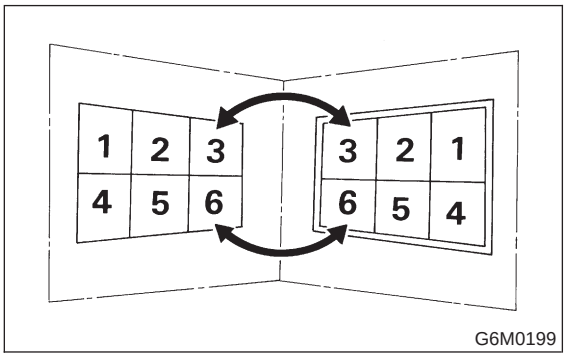
● Each connector and its terminal position are indicated by a sketch of the connector in a disconnected state which is viewed from the front.



● 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.

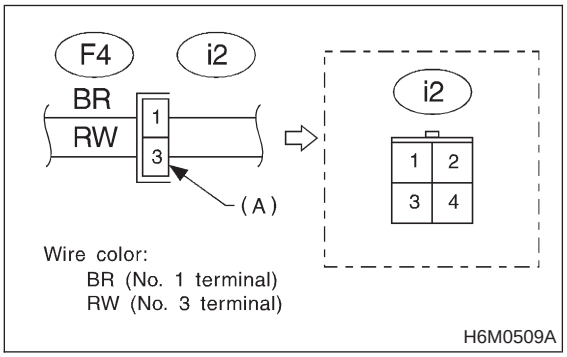
Connector used in vehicle	Connector shown in wiring diagram		
	Sketch	Symbol	Number of poles
 G6M0194	 G6M0196	 G6M0198	Numbered in order from upper right to lower left.
 G6M0195	 G6M0197		Numbered in order from upper left to lower right.

● 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.

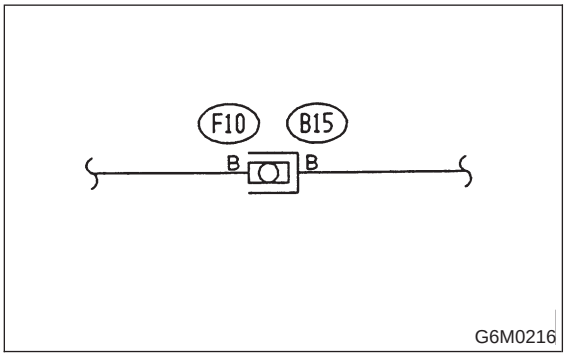


● Electrical wiring harness:
The connectors are numbered along with the number of poles, external colors, and mating connections in the accompanying list.
● The sketch of each connector in the wiring diagram usually shows the (A) side of the connector. The relationship between the wire color, terminal 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.

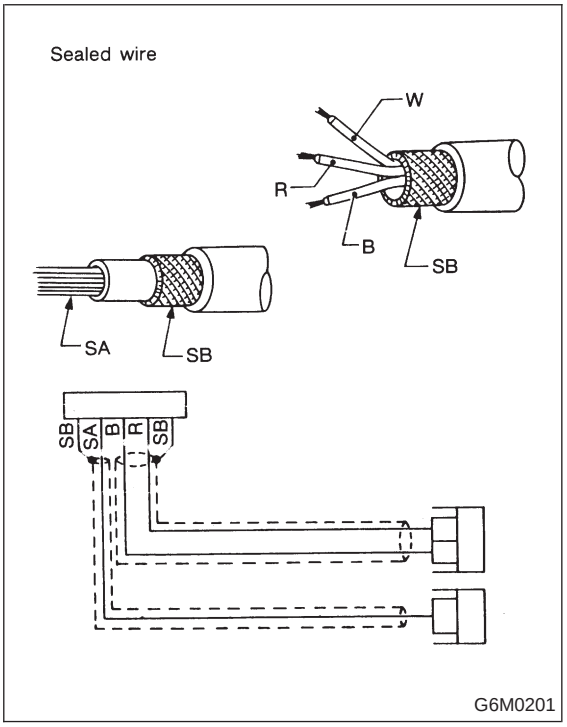


● In wiring diagram, connectors which have no terminal number refer to one-pole types. Sketches of these connectors are omitted intentionally.



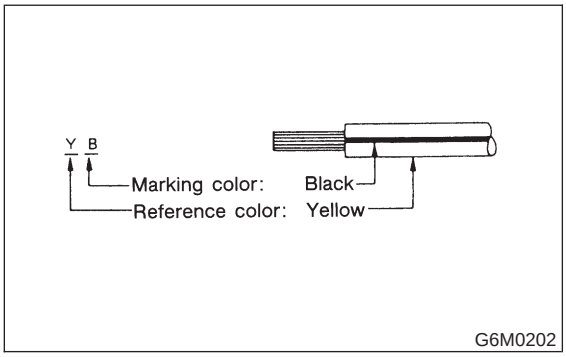
● The following color codes are used to indicate the colors of the wires used.

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)



WIRING DIAGRAM

● 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.



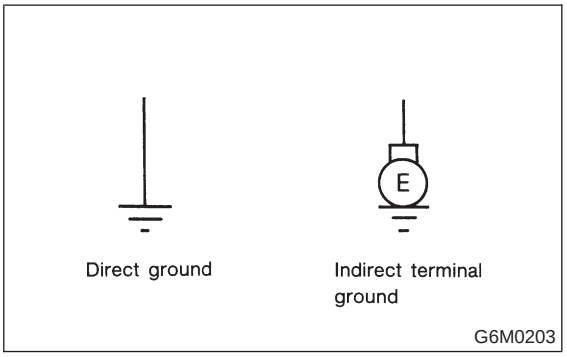
● The table lists the nominal sectional areas and allowable currents of the wires.

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 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.

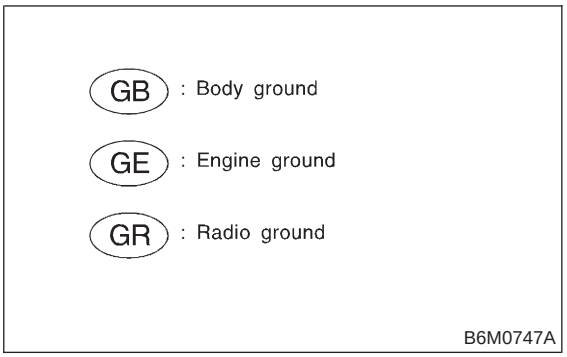
Nominal sectional area mm^2	No. of strands/ strand diameter	Outside diameter of finished wiring mm	Allowable current Amps/40°C
0.3	7/0.26	1.8	7
0.5	7/0.32	2.2 (or 2.0)	12
0.75	30/0.18	2.6 (or 2.4)	16
0.85	11/0.32	2.4 (or 2.2)	16
1.25	16/0.32	2.7 (or 2.5)	21
2	26/0.32	3.1 (or 2.9)	28
3	41/0.32	3.8 (or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

● 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.

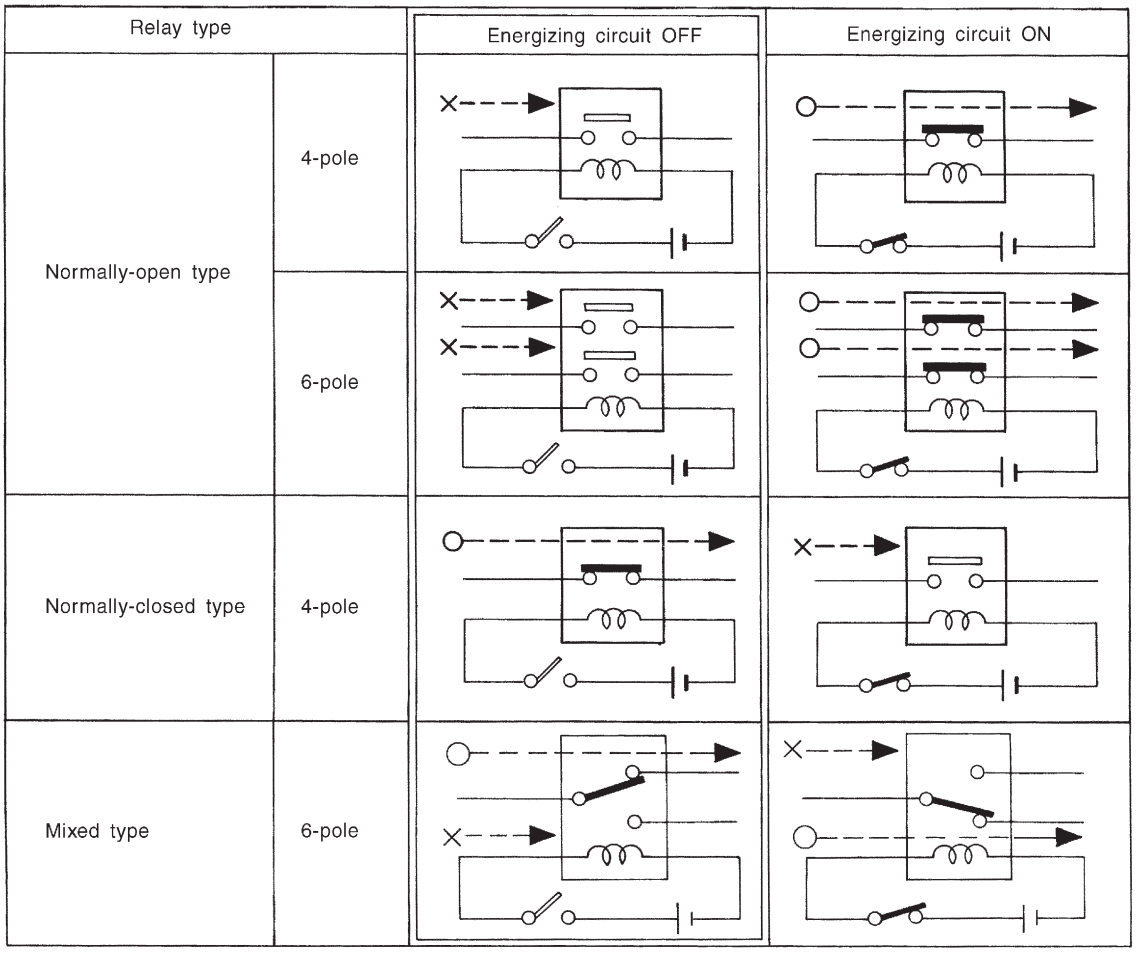


● The ground points shown in the wiring diagram refer to the following:

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

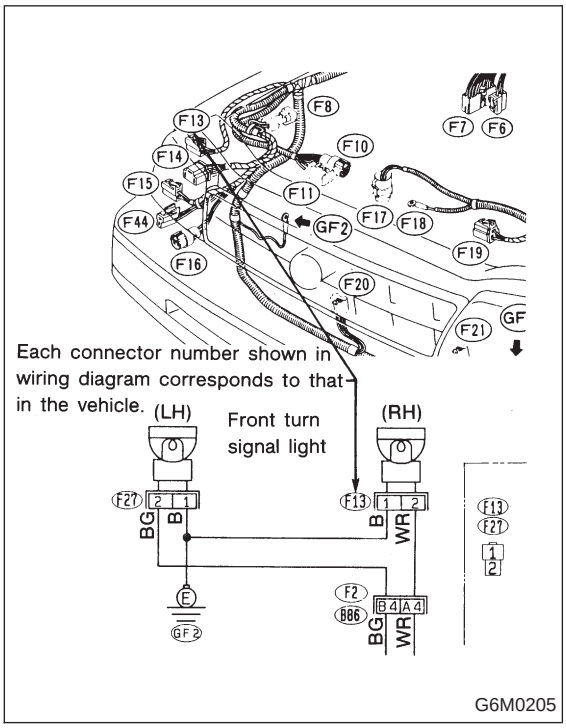


● Relays are classified as normally-open or normally-closed. The normally-closed relay has one or more contacts.
The wiring diagram shows the relay mode when the energizing circuit is OFF.



● 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.

Symbol	Wiring harness and cord
F	Front wiring harness
B	Bulkhead wiring harness
E	Engine wiring harness
T	Transmission cord, Rear oxygen sensor cord
D	Door cord LH & RH, Rear door cord LH & RH
i	Instrument panel wiring harness
R	Rear wiring harness, Rear defogger cord (Ground) Fuel tank cord, Roof cord, Rear gate cord, Rear gate lock adapter cord



2. Basic Diagnostics Procedure

A: BASIC PROCEDURE

1. GENERAL

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

2. IDENTIFICATION OF TROUBLE SYMPTOM

Determine what the problem is based on the symptom.

3. PROBABLE CAUSE OF TROUBLE

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

4. 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.

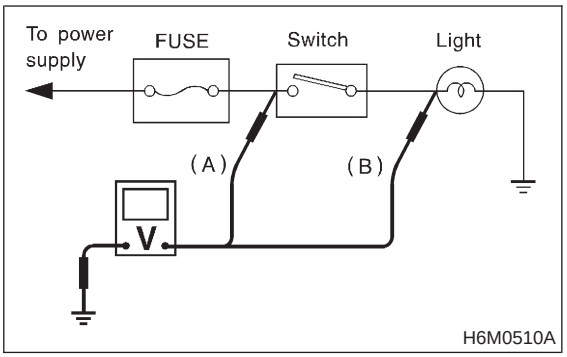
5. CONFIRMATION OF SYSTEM OPERATION

After repairing, ensure that the system operates properly.

B: 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.



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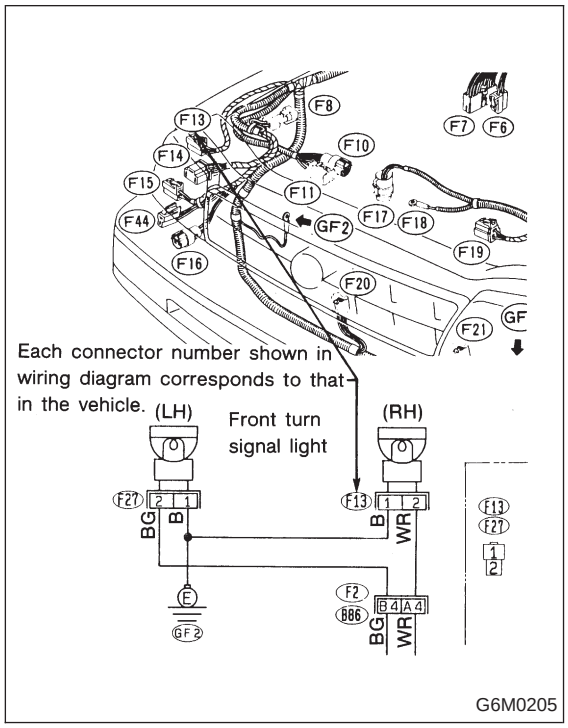

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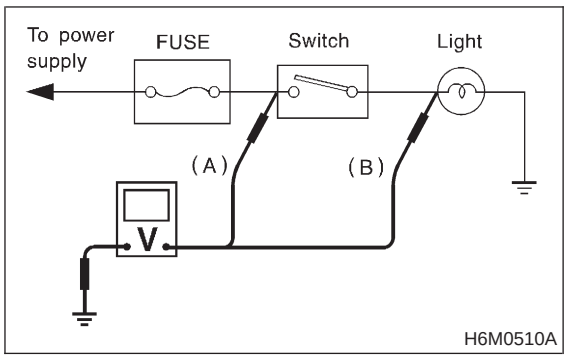
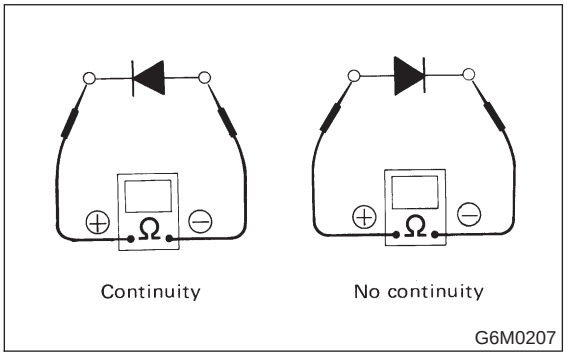


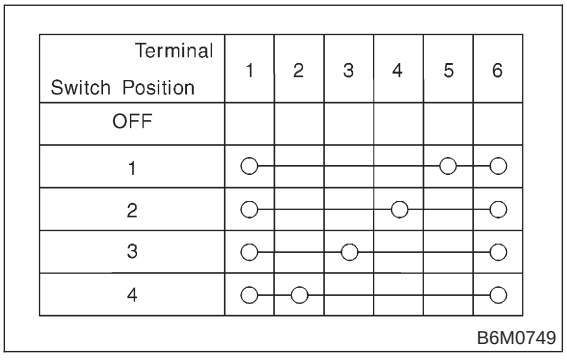
4) With test set-up held as it is, turn switch ON. The voltmeter will indicate a voltage and, at the same time, the light will come on.
5) The circuit is in good order. If a problem such as a lamp failing to light occurs, use the procedures outlined above to track down the malfunction.

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.



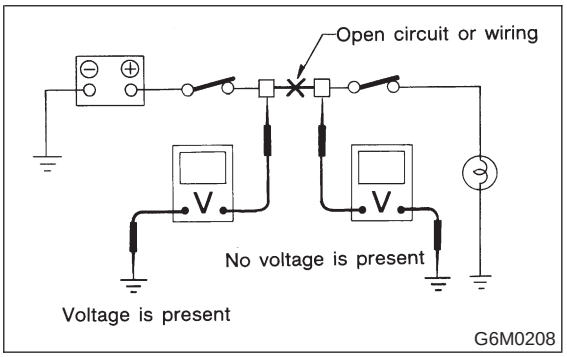
3) Symbol "◯—◯" indicates that continuity exists between two points or terminals. For example, when a switch position is "3", continuity exists among terminals 1, 3 and 6, as shown in table below.



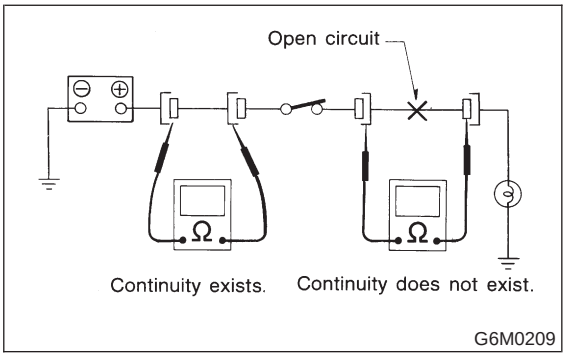
Terminal / Switch Position	1	2	3	4	5	6
OFF						
1	○				○	○
2	○			○		○
3	○		○			○
4	○	○				○

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.

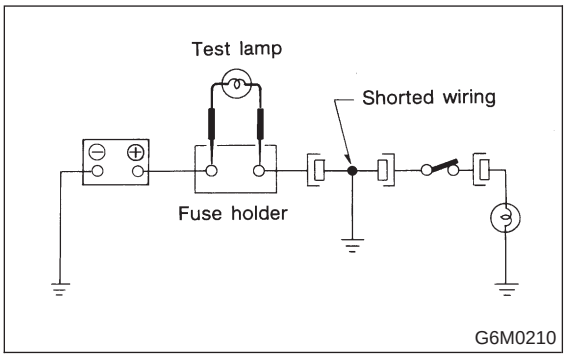


2) Ohmmeter method:
Disconnect all connectors affected, and check continuity in the wiring between adjacent connectors. When the ohmmeter indicates "infinite", the wiring is open.

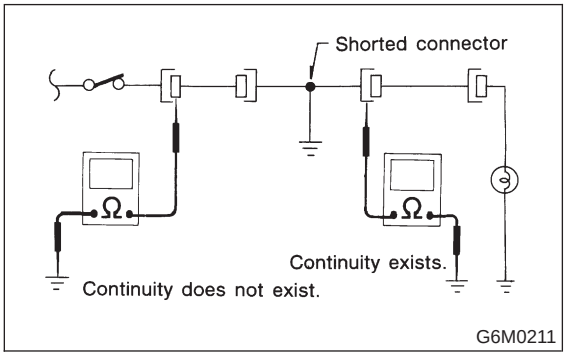


4. HOW TO DETERMINE A SHORTCIRCUIT

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.



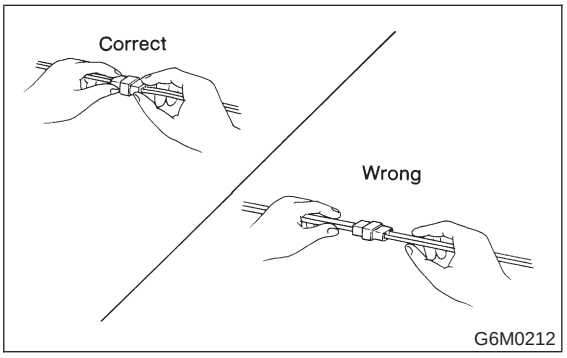
3. Working Precautions

A: 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.

B: 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.



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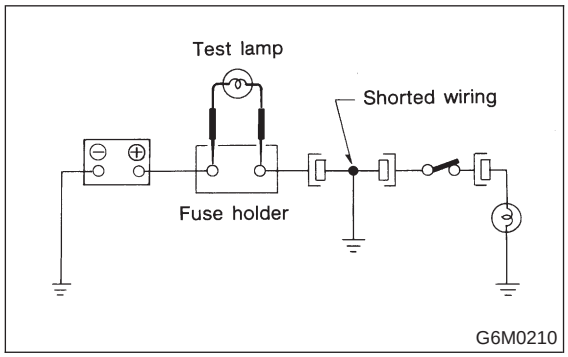
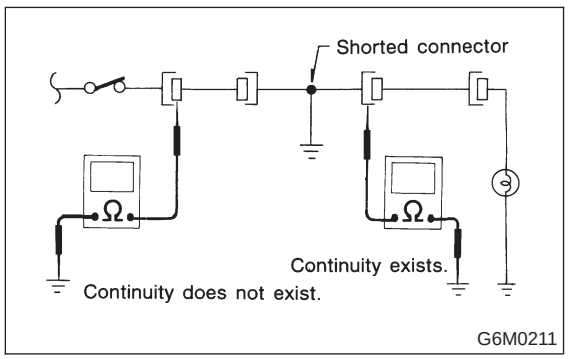


2) Ohmmeter method:
Disconnect all affected connectors, and check continuity between each connector and ground. When ohmmeter indicates continuity between a particular connector and ground, that connector is shorted.



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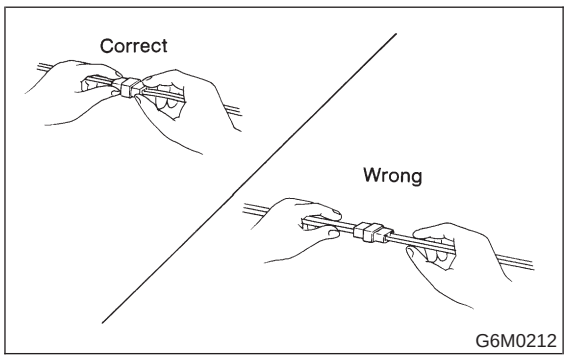
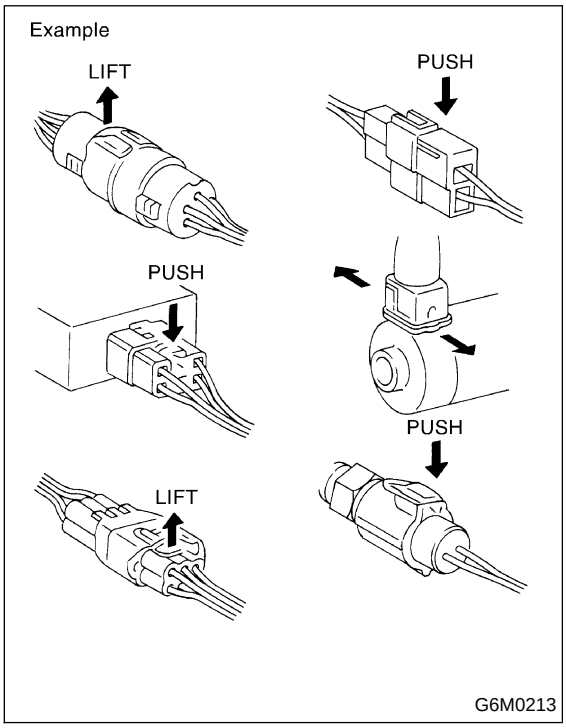
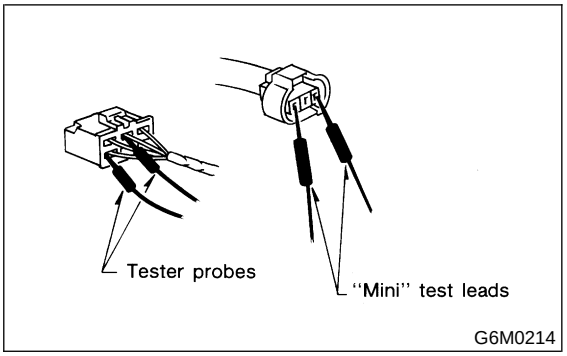


5) Some connectors are provided with a lock. One type of such a connector is disconnected by pushing the lock, and the other, by moving the lock up. In either type the lock shape must be identified before attempting to disconnect the connector.
To connect, insert the connector until it snaps and confirm that it is tightly connected.

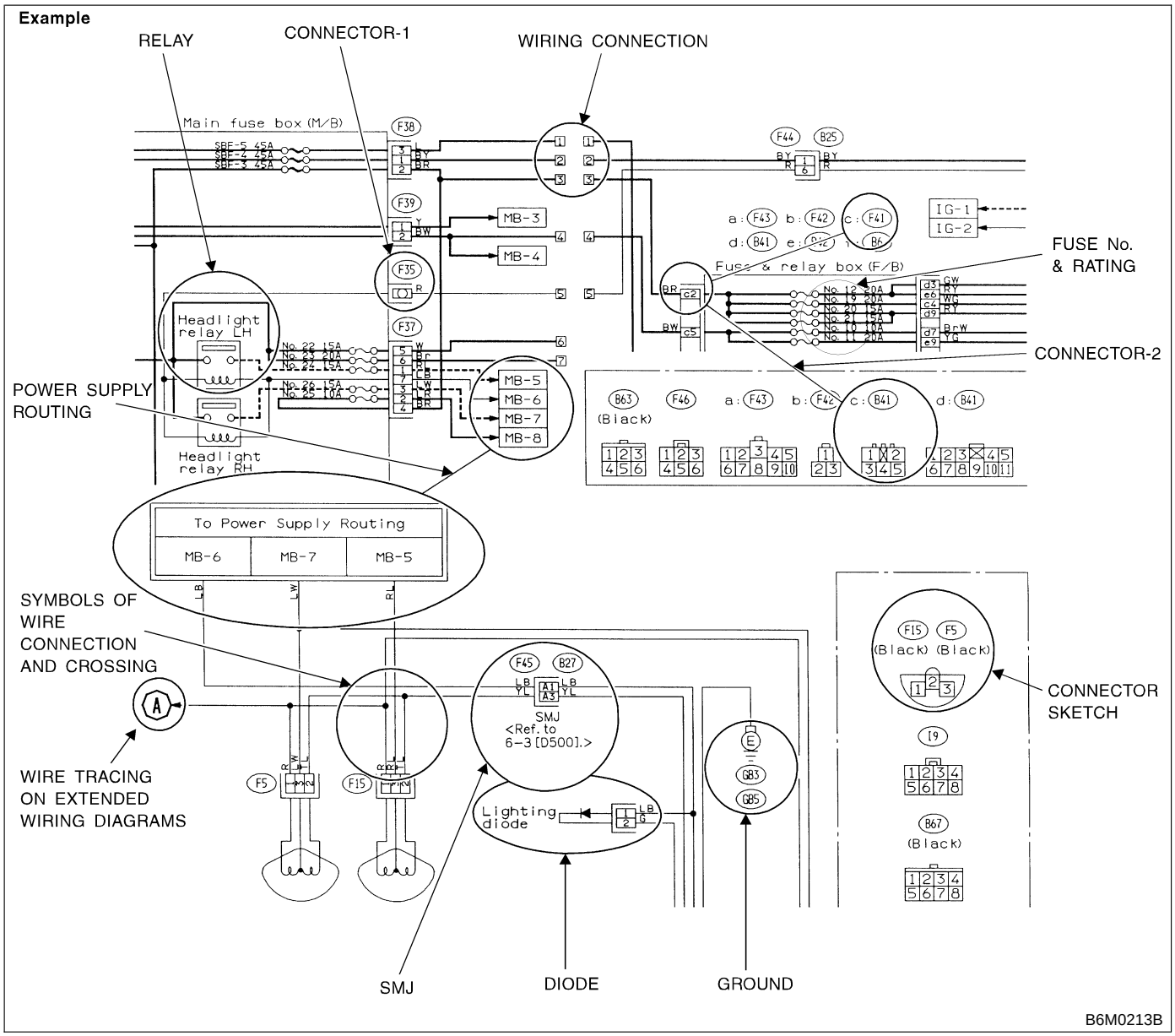


6) When checking continuity between connector terminals, or measuring voltage across the terminal and ground, always contact tester probe(s) on terminals from the wiring connection side. If the probe is too thick to gain access to the terminal, use “mini” test leads.
To check water-proof connectors (which 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 with that used in the fuse box (main fuse box, fuse and joint box.)

E: CONNECTOR-2

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

F: CONNECTOR SKETCH

● 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.
● 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.

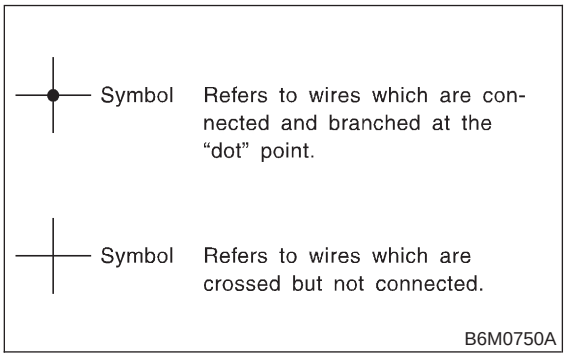
H: DIODE

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), facilitates wire tracing from one page to the next.
A ←→ A, B ←→ B

J: SYMBOLS OF WIRE CONNECTION AND CROSSING



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: SYMBOLS AND ABBREVIATIONS

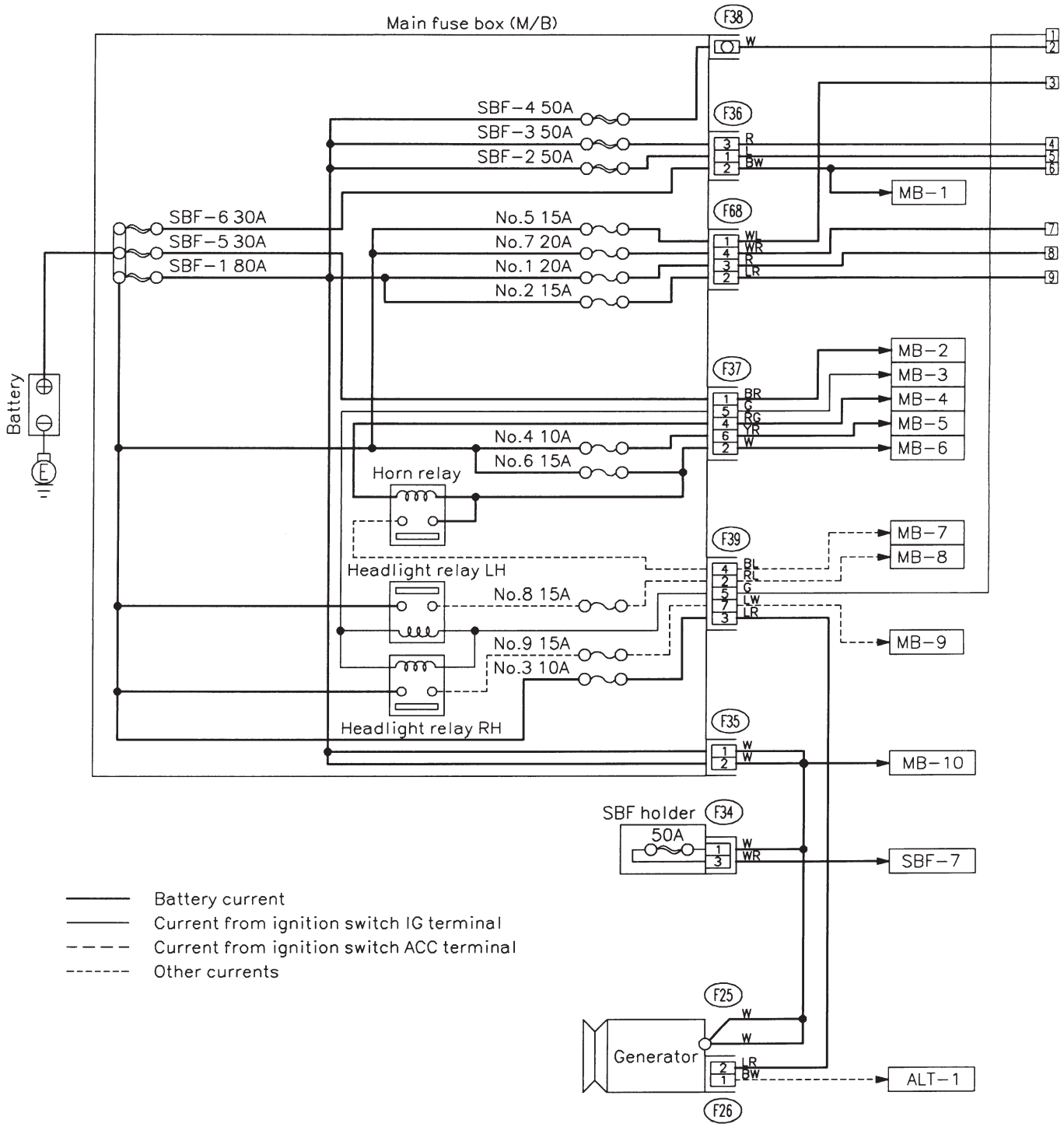
A number of symbols and abbreviations are used in each wiring diagram to easily identify parts or circuits.

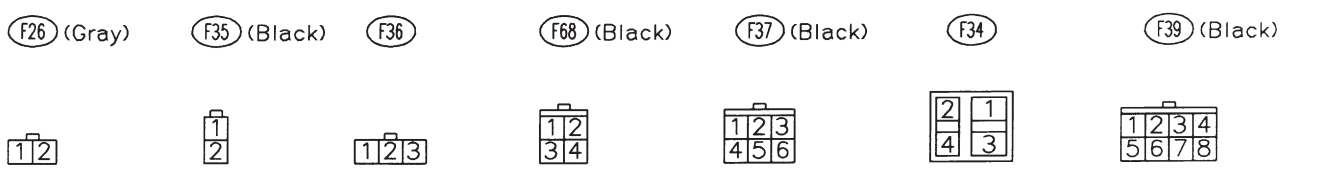
M: ABBREVIATION LIST

Abbr.	Full name
ABS	Antilock Brake System
ACC	Accessory
A/C	Air Conditioning
AD	Auto Down
AT	Automatic Transmission
AU	Auto Up
+B	Battery
DN	Down
E	Ground
F/B	Fuse & Joint Box
FL1.5	Fusible link 1.5 mm^2
IG	Ignition
Illumi.	Illumination
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
ST	Starter
SW	Switch
UP	Up
WASH	Washer

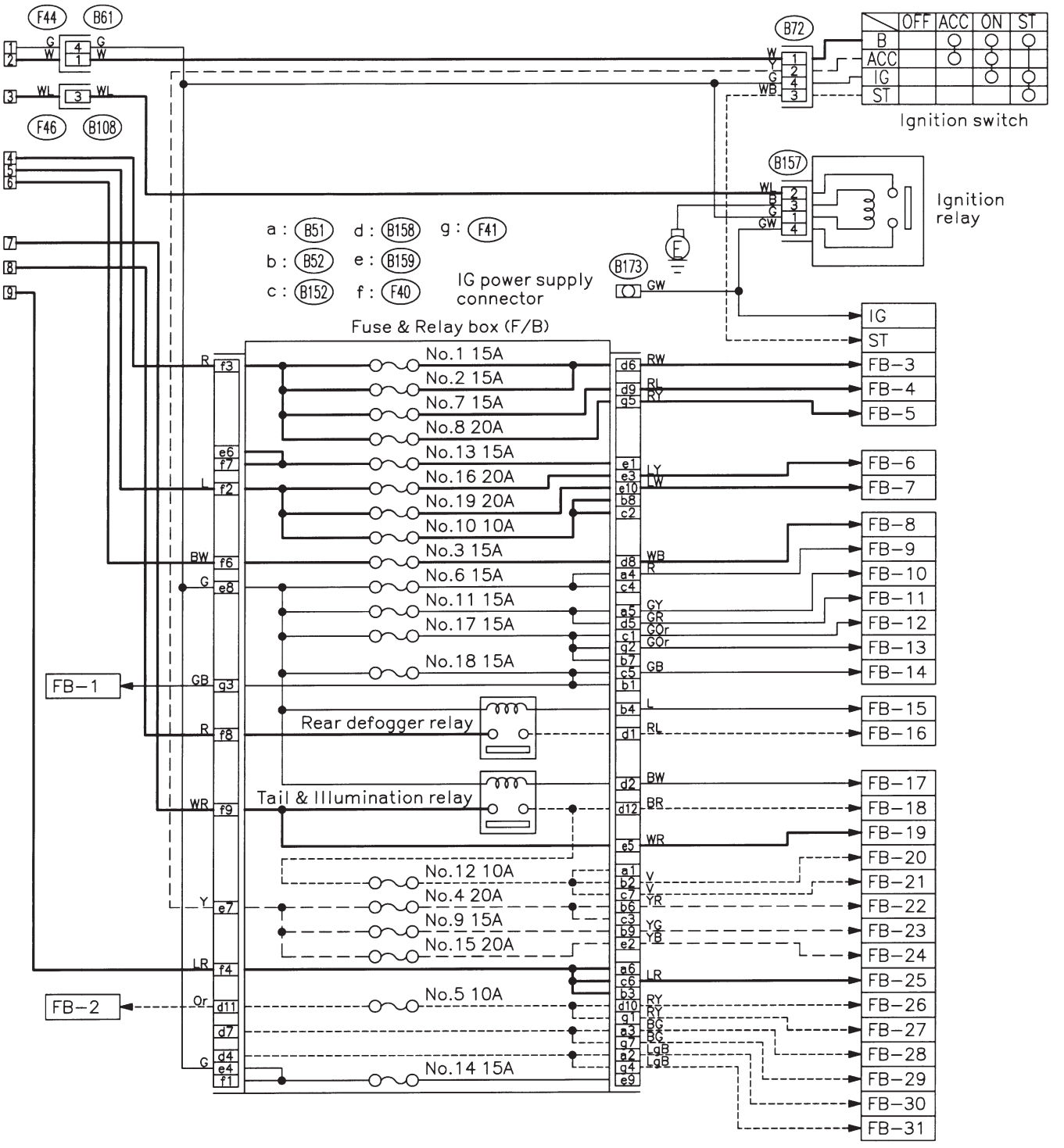
5. Wiring Diagram

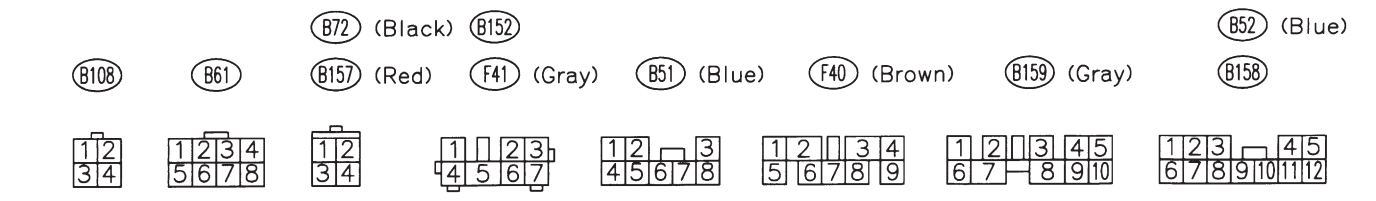
A: POWER SUPPLY ROUTING





SU01–01A


F44
B61
F46
B108
B72
OFF ACC ON ST
B ACC IG ST
Ignition switch
B157
Ignition relay
a : B51 d : B158 g : F41
b : B52 e : B159
c : B152 f : F40
IG power supply connector
B173
Fuse & Relay box (F/B)
No.1 15A
No.2 15A
No.7 15A
No.8 20A
No.13 15A
No.16 20A
No.19 20A
No.10 10A
No.3 15A
No.6 15A
No.11 15A
No.17 15A
No.18 15A
Rear defogger relay
Tail & Illumination relay
No.12 10A
No.4 20A
No.9 15A
No.15 20A
No.5 10A
No.14 15A
FB-1
FB-2
IG
ST
FB-3
FB-4
FB-5
FB-6
FB-7
FB-8
FB-9
FB-10
FB-11
FB-12
FB-13
FB-14
FB-15
FB-16
FB-17
FB-18
FB-19
FB-20
FB-21
FB-22
FB-23
FB-24
FB-25
FB-26
FB-27
FB-28
FB-29
FB-30
FB-31

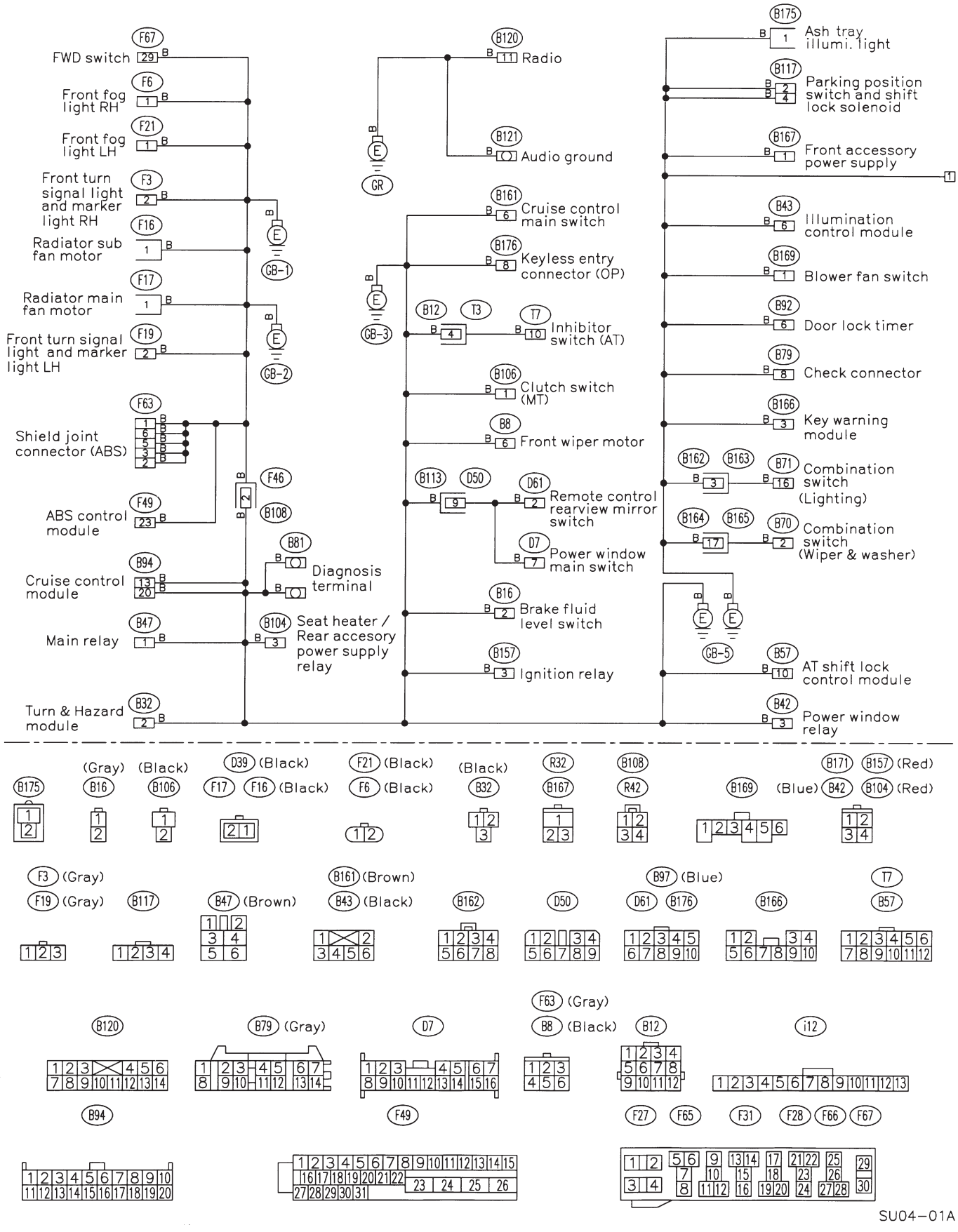

B72 (Black) B152
B52 (Blue)
B108
B61
B157 (Red)
F41 (Gray)
B51 (Blue)
F40 (Brown)
B159 (Gray)
B158

SU01-01B

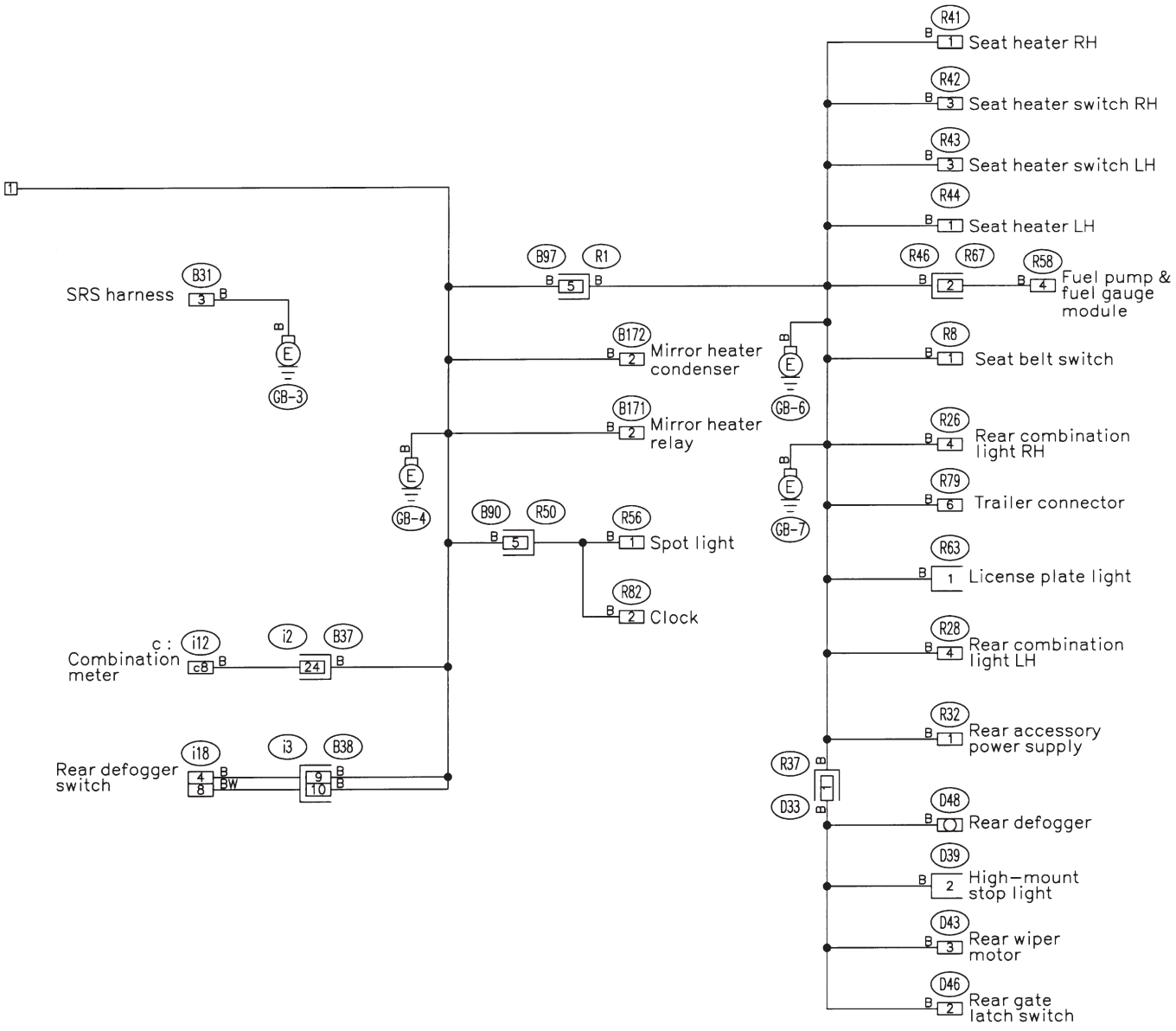
No.	Load
MB-1	Power window circuit breaker
MB-2	Engine control module Fuel pump relay Main relay OBD-II service connector
MB-3	Lighting switch
MB-4	Cruise control sub switch Horn switch
MB-5	Transmission control module
MB-6	AT shift lock control module Hazard switch Key warning switch
MB-7	Horn
MB-8	Headlight LH
MB-9	Combination meter Front fog light relay Front fog light switch Headlight RH
MB-10	A/C relay holder
SBF-7	ABS control module
ALT-1	Combination meter
IG	Check connector Combination meter Hazard switch Key warning module Mirror heater LH Mirror heater RH Power window relay
ST	Engine control module Inhibitor switch (AT) Starter interlock relay (MT)
FB-1	ABS control module Main fan relay
FB-2	Parking switch
FB-3	Blower motor relay
FB-4	Fan fog light relay
FB-5	ABS control module
FB-6	Stop light switch
FB-7	Seat heater/rear accessory power supply relay
FB-8	Door lock timer
FB-9	Airbag control module
FB-10	Airbag control module
FB-11	Engine control module Fuel pump relay Ignition coil Transmission control module
FB-12	Blower motor relay Mode control panel Rear defogger switch

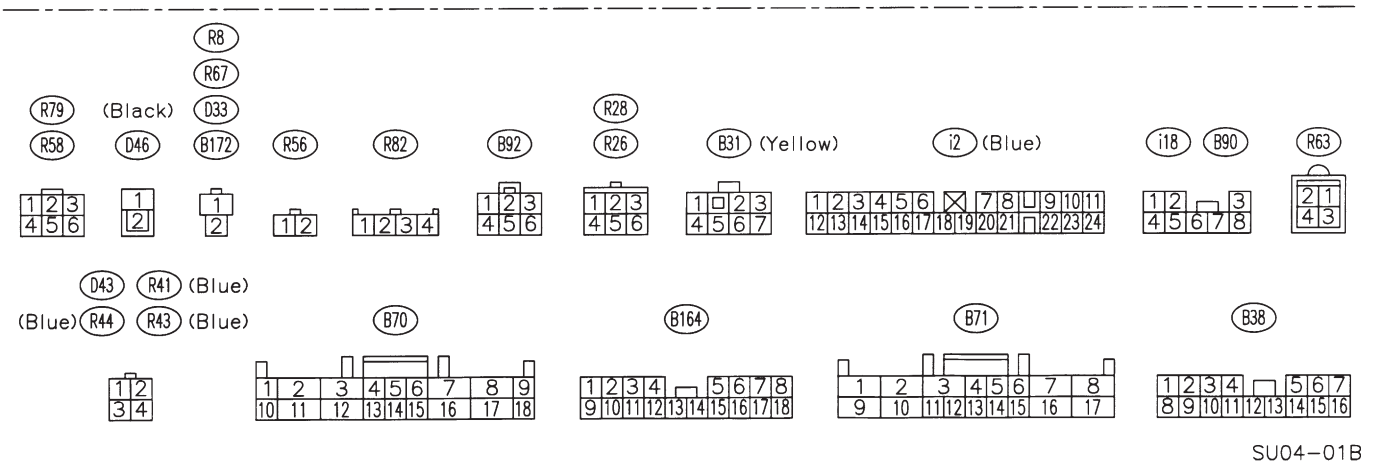
No.	Load
FB-13	A/C relay Sub fan relay Thermal protector
FB-14	AT shift lock control module Back-up light switch (MT) Cruise control main switch Cruise control module Inhibitor switch (AT) Keyless entry connector (OP) Mirror heater relay
FB-15	Rear defogger switch
FB-16	Rear defogger Rear defogger switch
FB-17	Lighting switch
FB-18	Front fog light switch Parking switch
FB-19	Keyless entry connector (OP) Parking switch
FB-20	Illumination light
FB-21	Illumination light
FB-22	AT shift lock control module Front accessory power supply Remote control rearview mirror switch Seat heater/rear accessory power supply relay
FB-23	Clock Radio
FB-24	Front washer motor Front wiper motor Front wiper & washer switch Rear washer motor Rear wiper motor Rear wiper relay
FB-25	Clock Combination meter Luggage room light Radio Room light Spot light Trailer connector
FB-26	License plate light Tail light LH Tail light RH Trailer connector
FB-27	Front clearance light LH Front clearance light RH
FB-28	Combination meter Hazard switch Rear turn signal light LH Trailer connector Turn signal switch
FB-29	Front turn signal light LH
FB-30	Combination meter Hazard switch Rear turn signal light RH Trailer connector Turn signal switch
FB-31	Front turn signal light RH

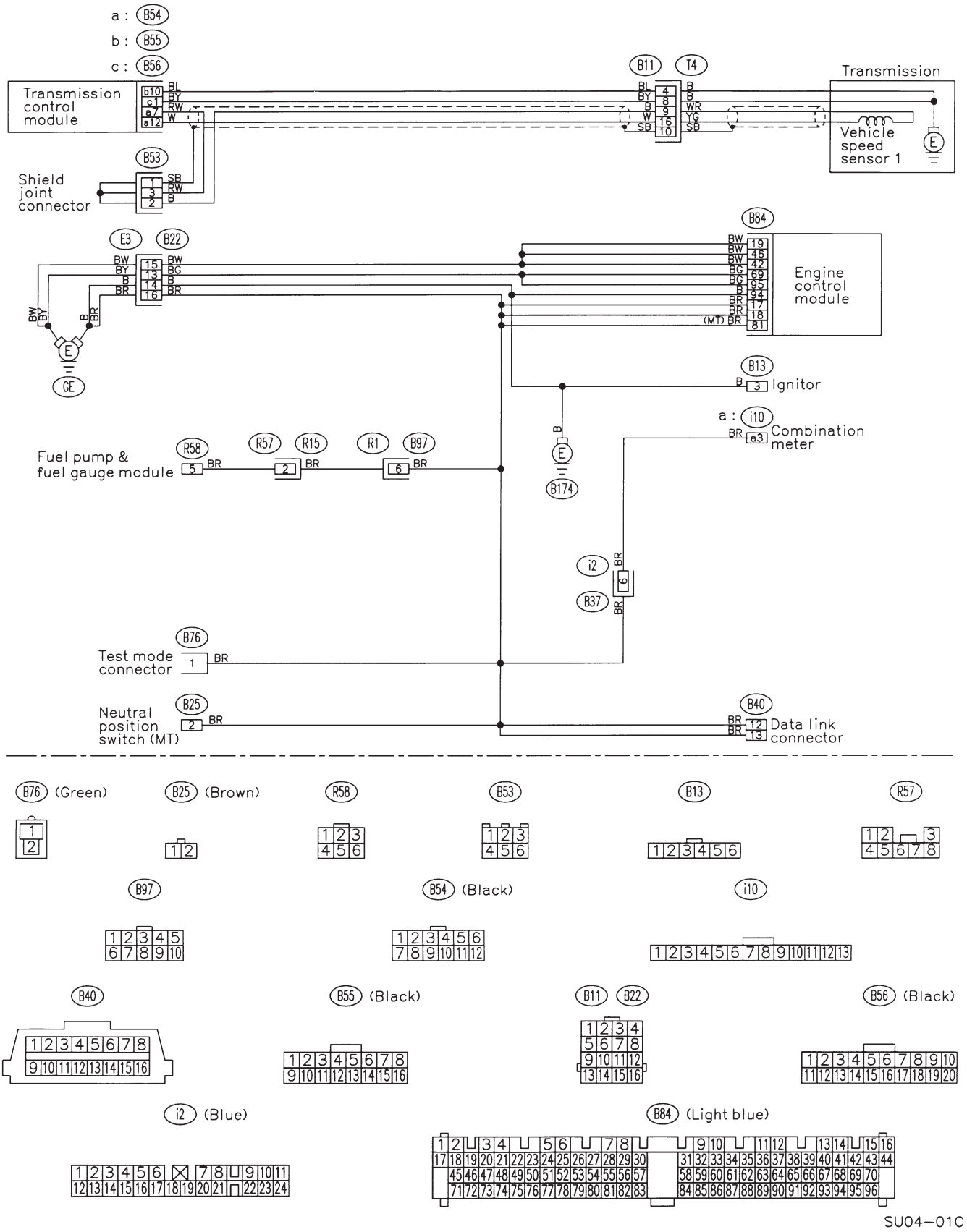
B: GROUND DISTRIBUTION



WIRING DIAGRAM

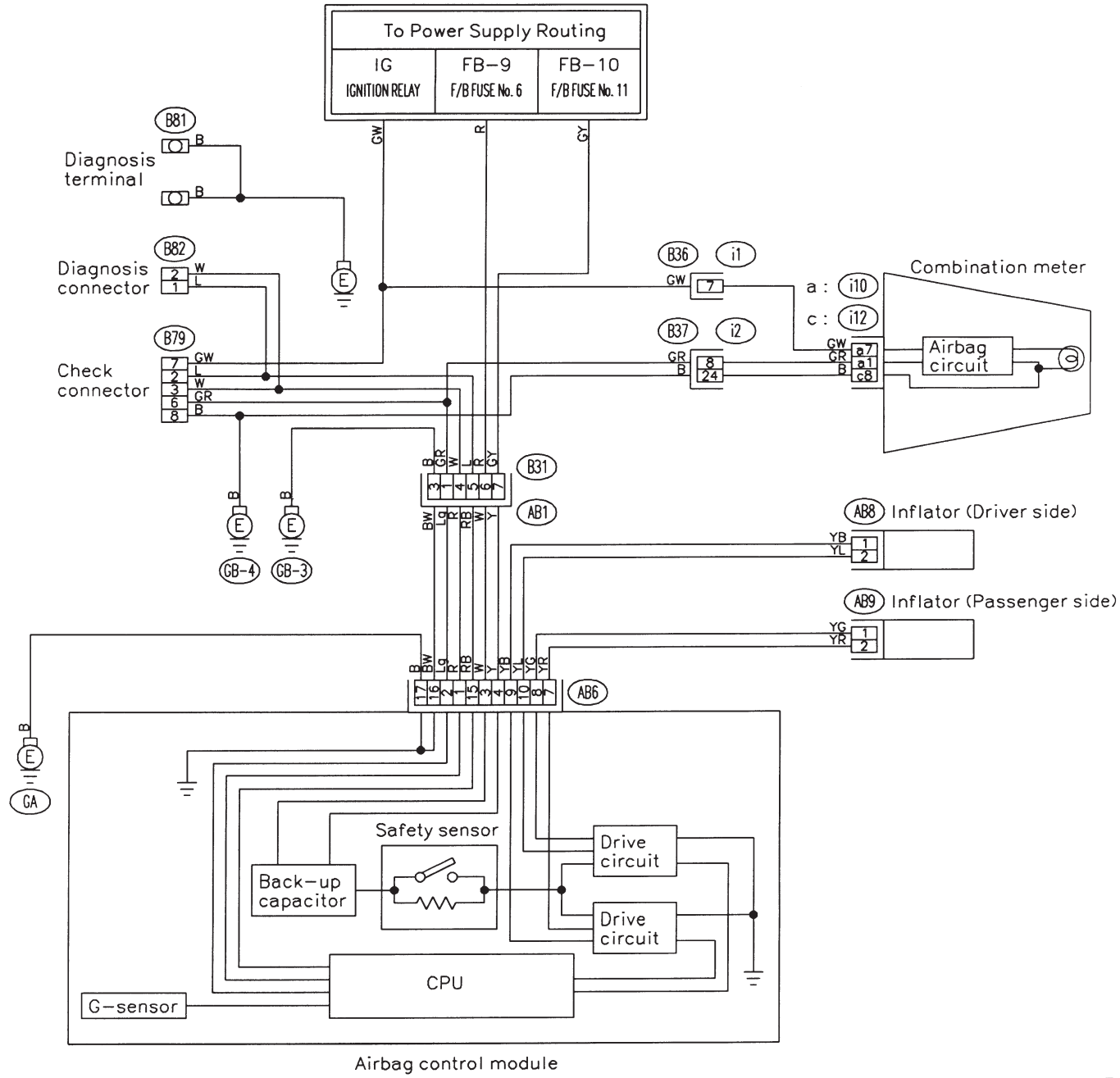


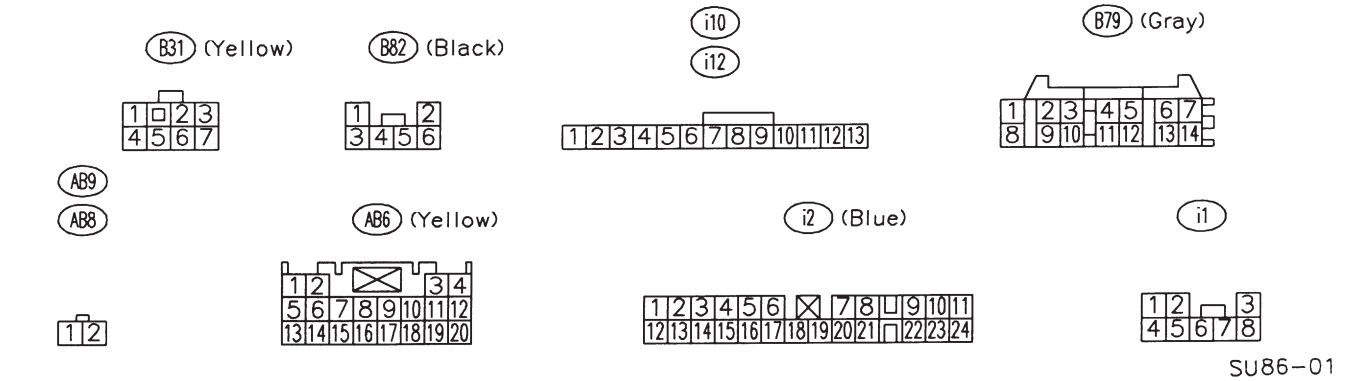



a : B54
b : B55
c : B56
Transmission control module
B11
T4
Transmission
Vehicle speed sensor 1
B53
Shield joint connector
B84
E3
B22
Engine control module
GE
B13
Ignitor
a : i10
Combination meter
Fuel pump & fuel gauge module
R58
R57
R15
R1
B97
B174
i2
B37
B76
Test mode connector
B25
Neutral position switch (MT)
B40
Data link connector
B76 (Green)
B25 (Brown)
R58
B53
B13
R57
B97
B54 (Black)
i10
B40
B55 (Black)
B11
B22
B56 (Black)
i2 (Blue)
B84 (Light blue)

SU04−01C

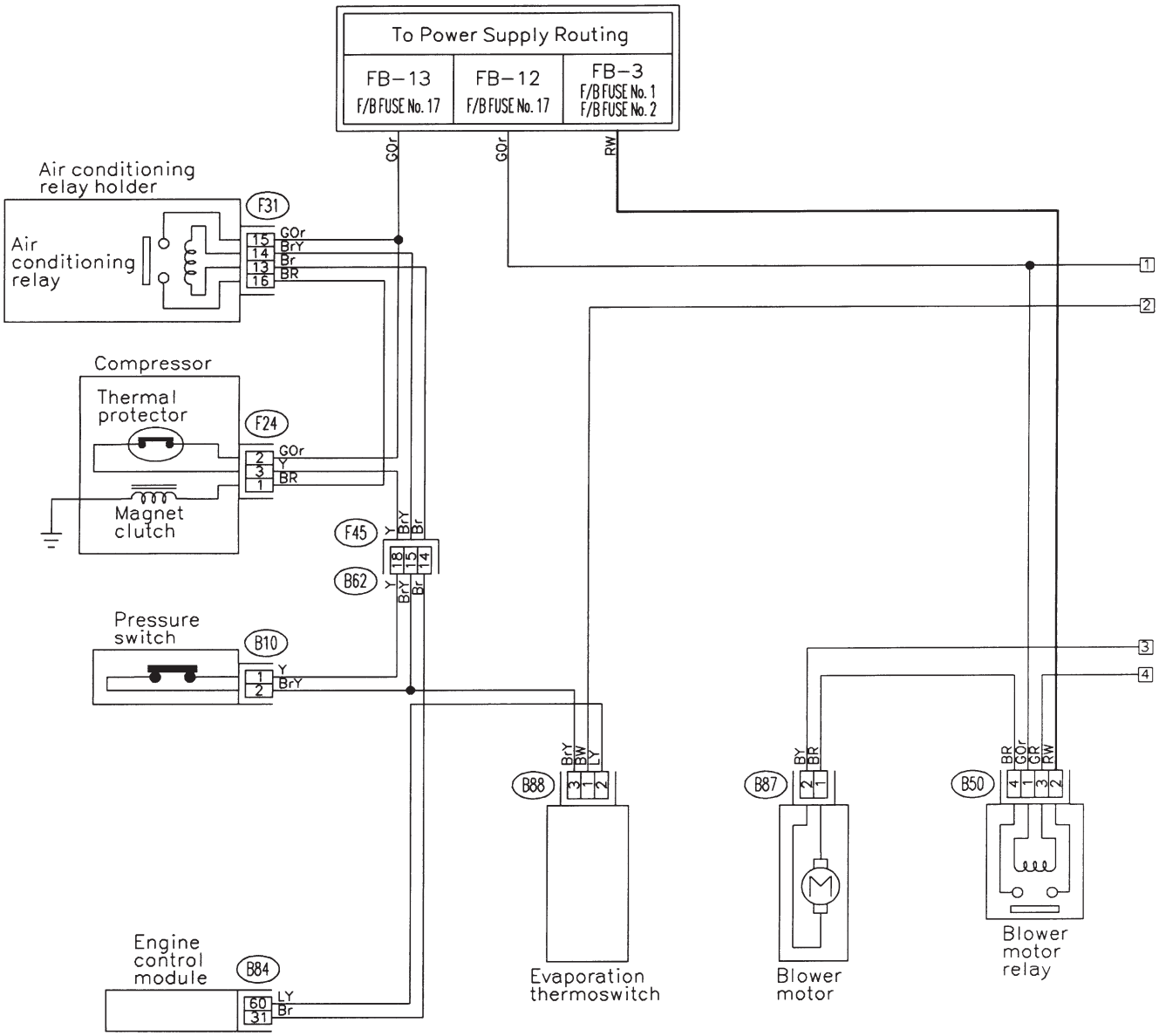
C: AIRBAG SYSTEM

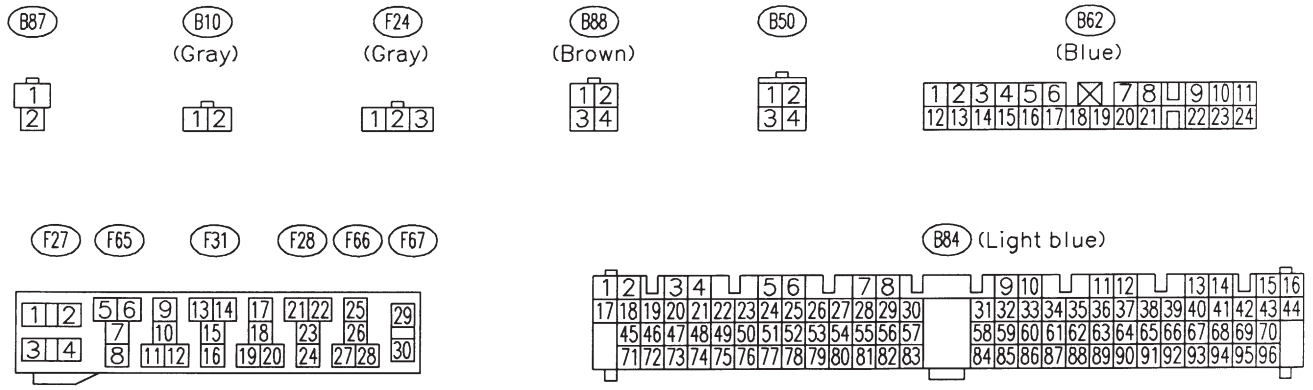




SU86−01

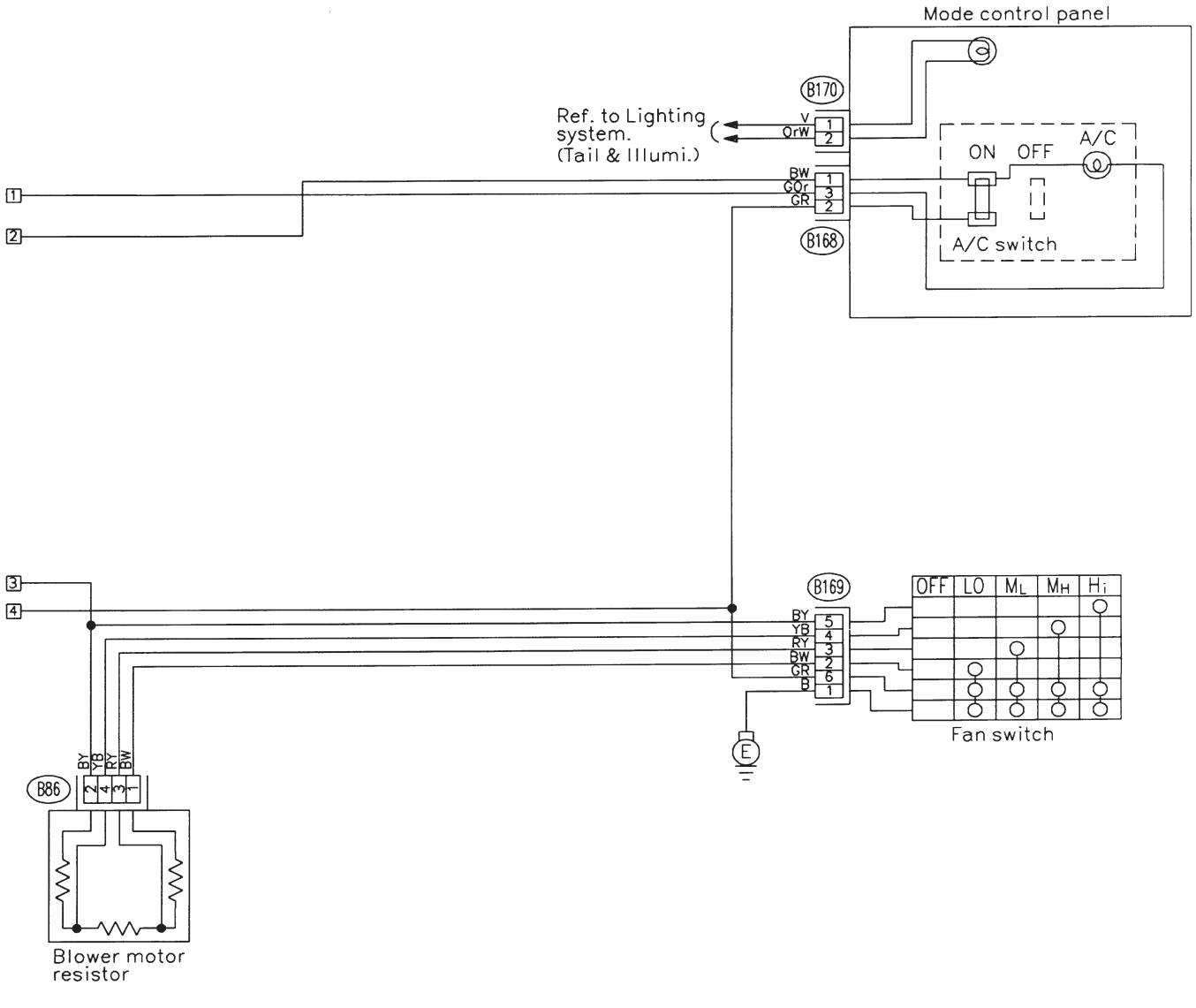
D: AIR CONDITIONING SYSTEM





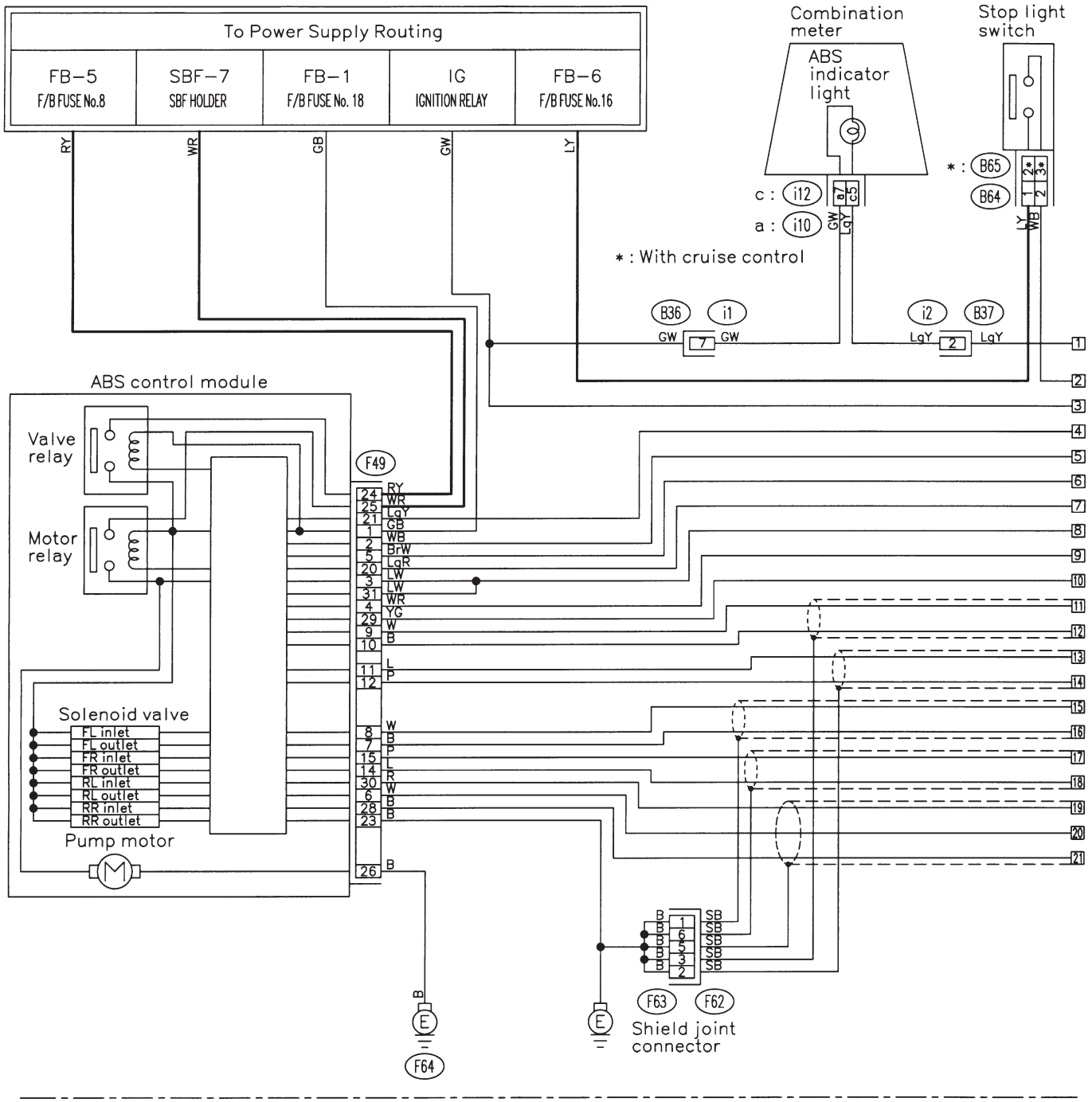
SU45−01A

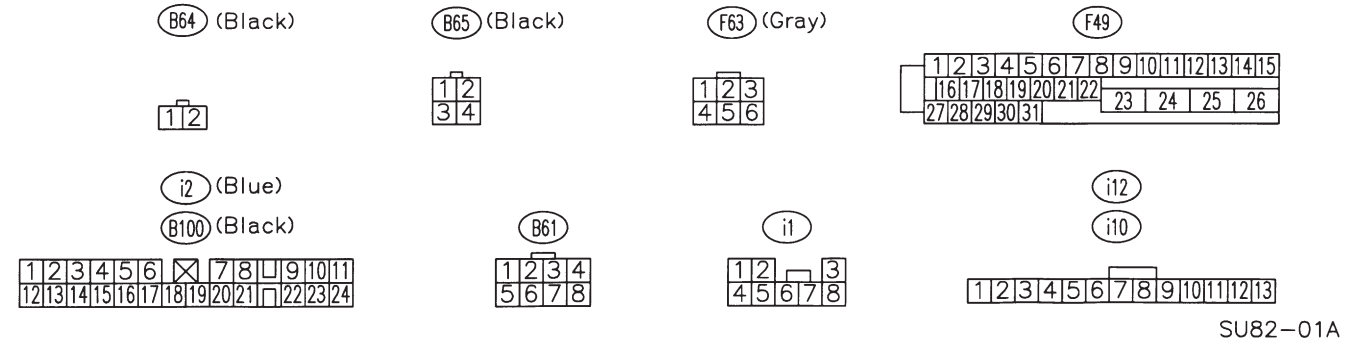
WIRING DIAGRAM



SU45−01B

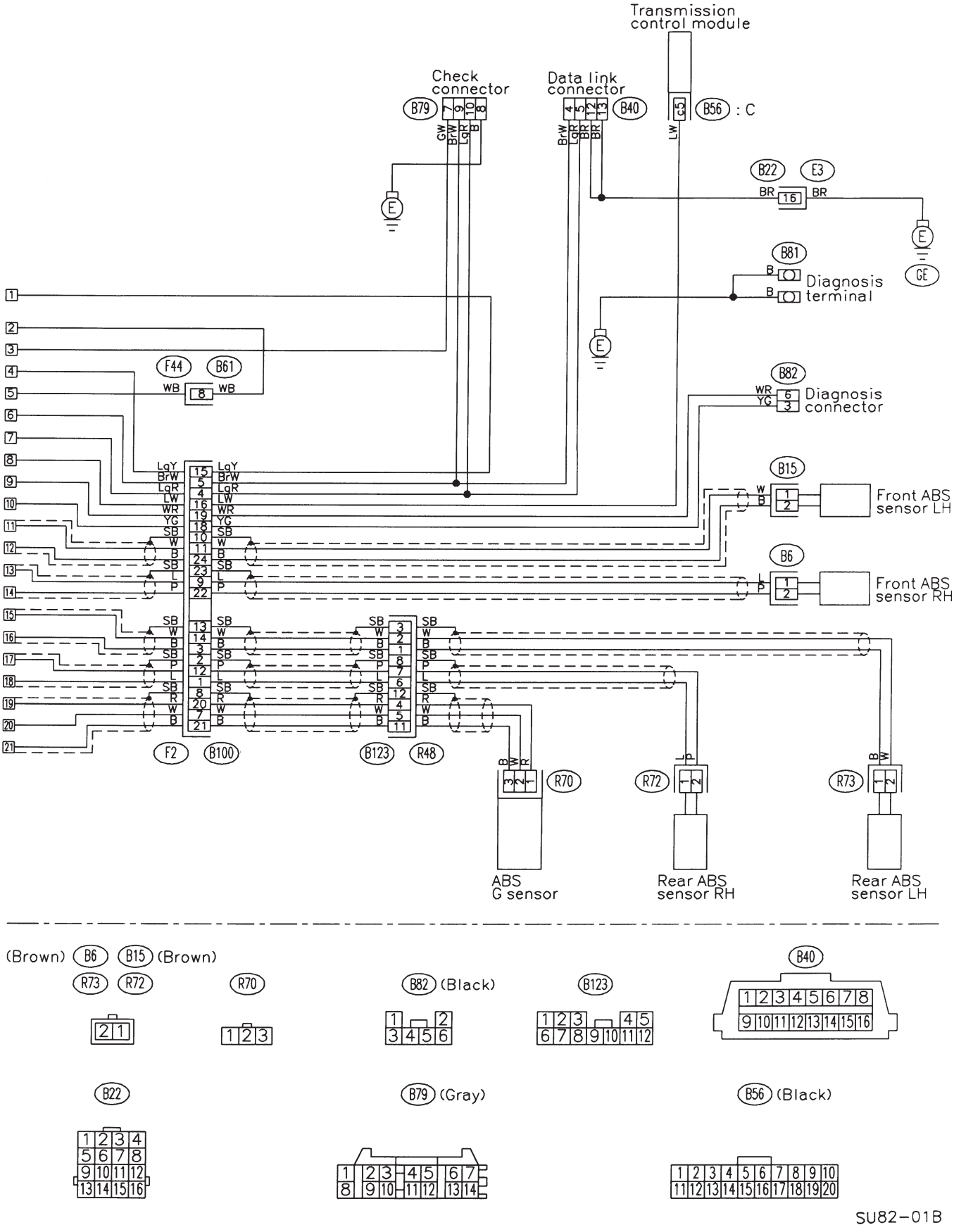
E: ANTI-LOCK BRAKE SYSTEM



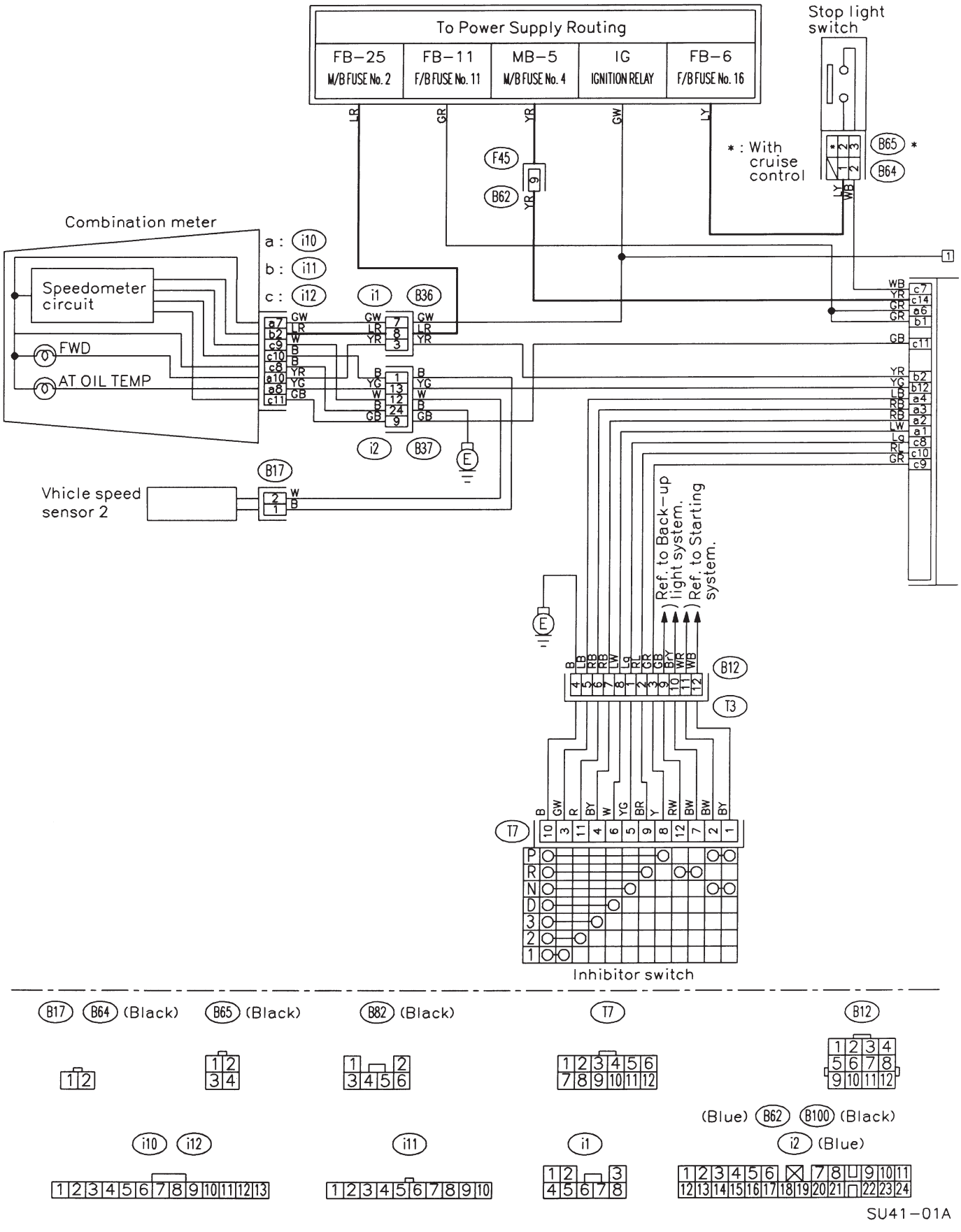


SU82−01A

WIRING DIAGRAM



F: A/T CONTROL SYSTEM



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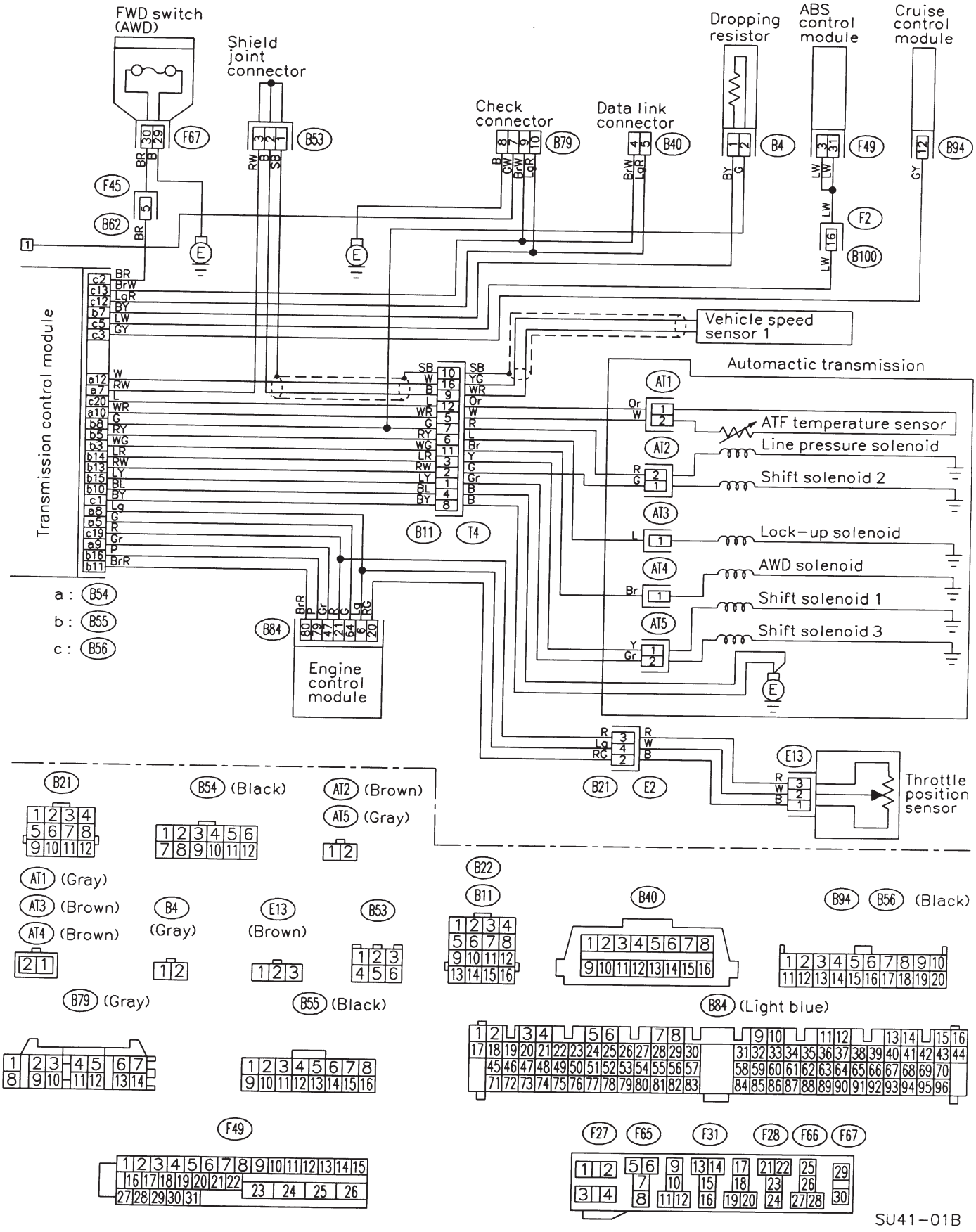
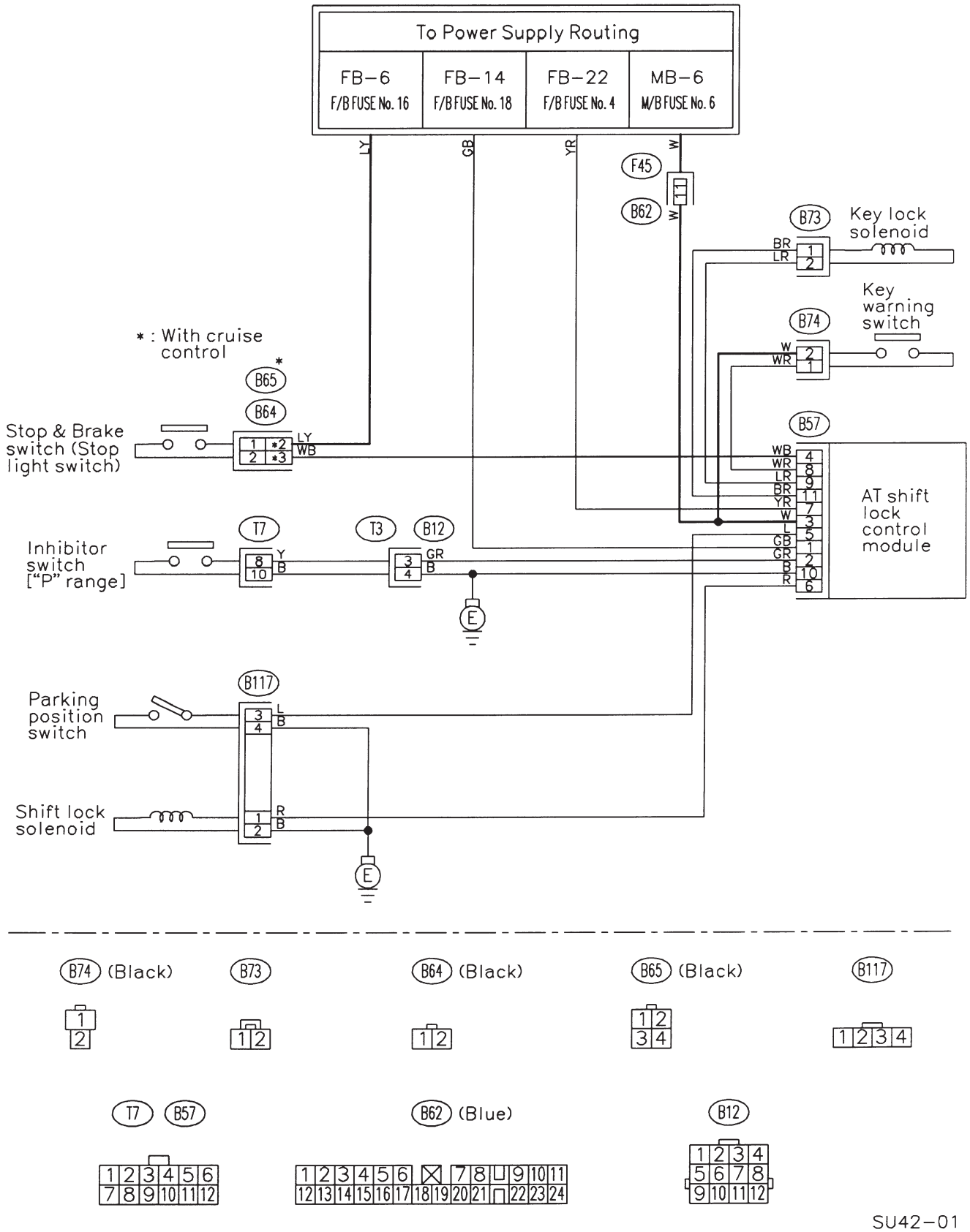
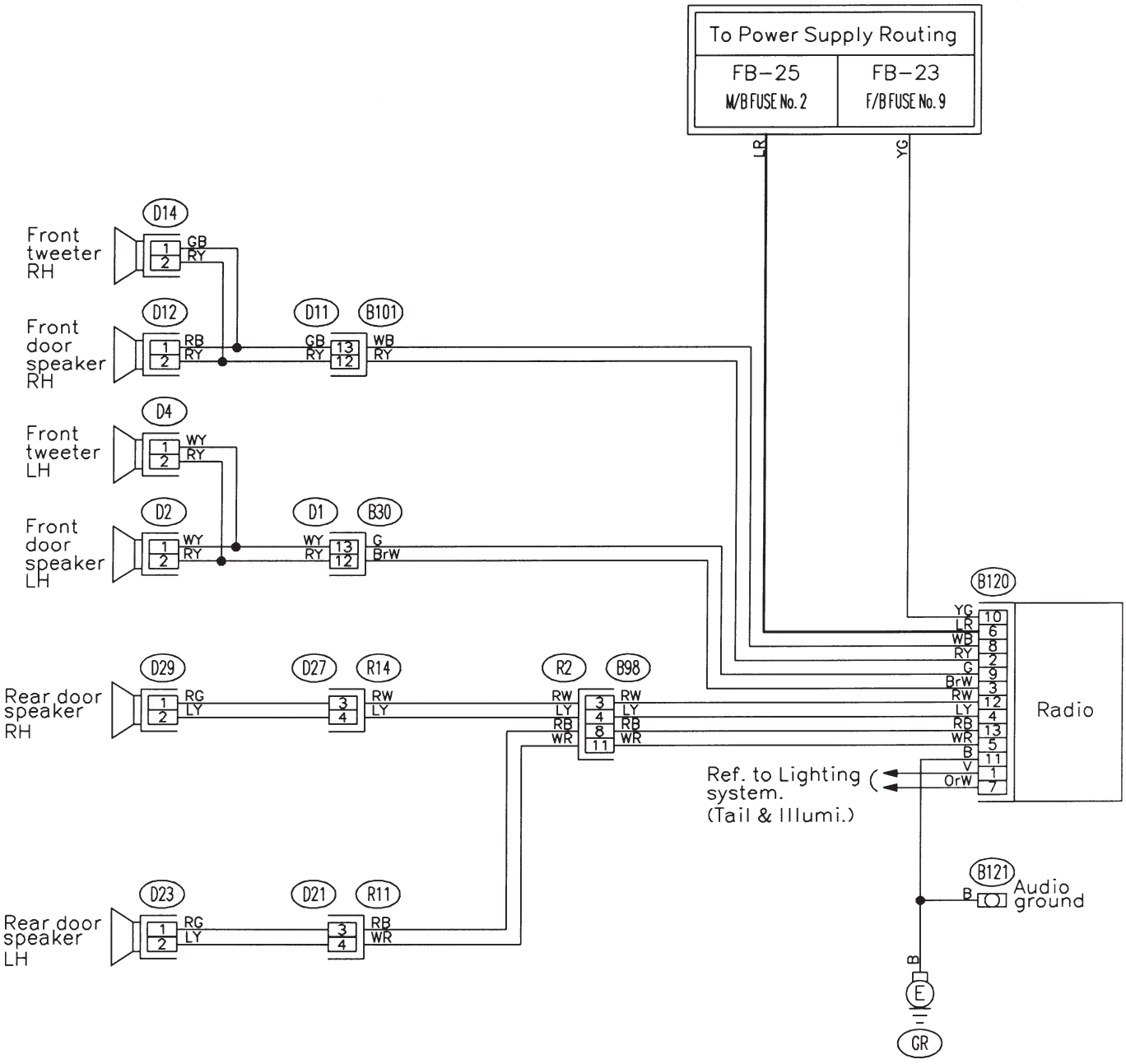


G: A/T SHIFT LOCK SYSTEM

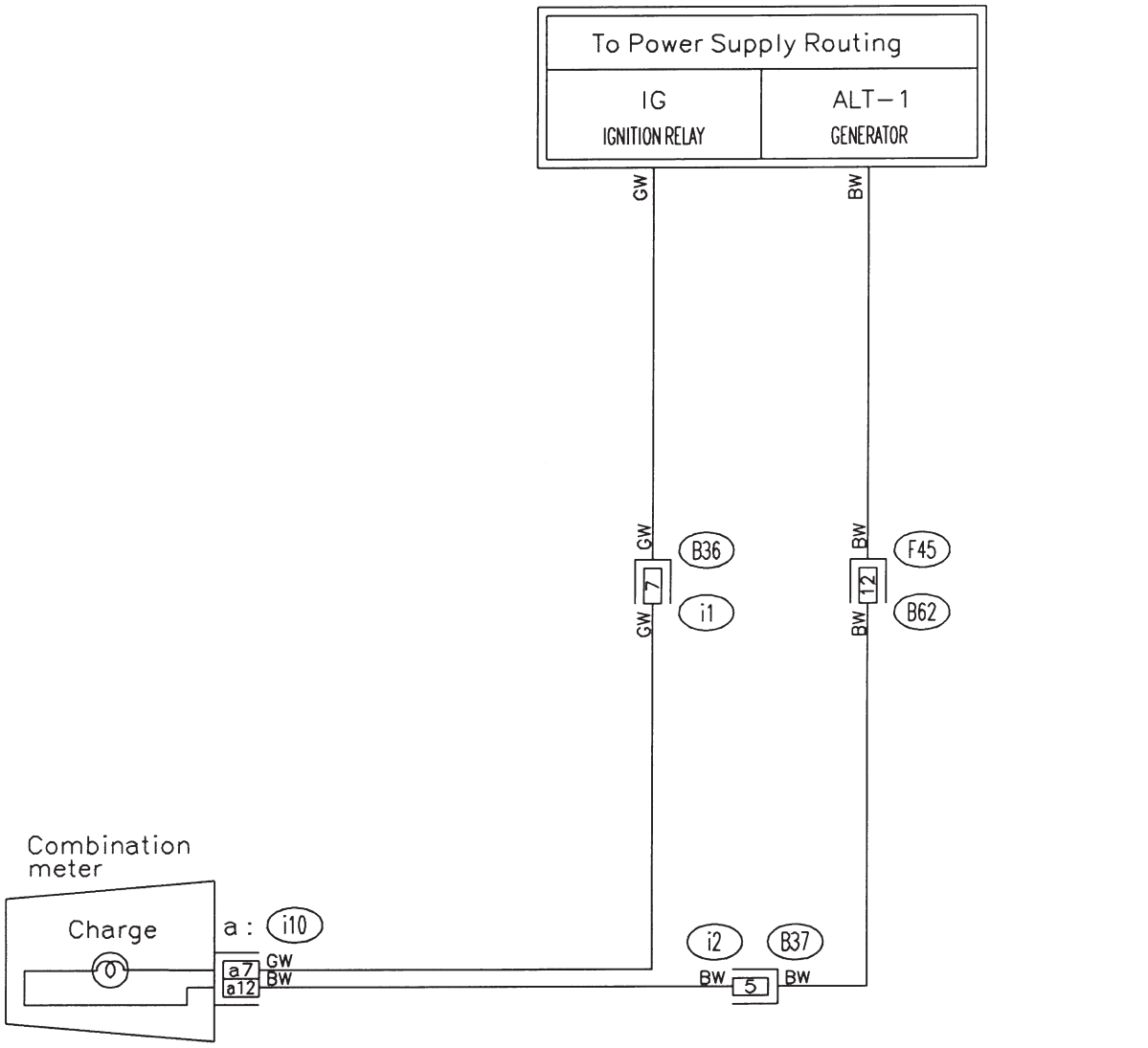


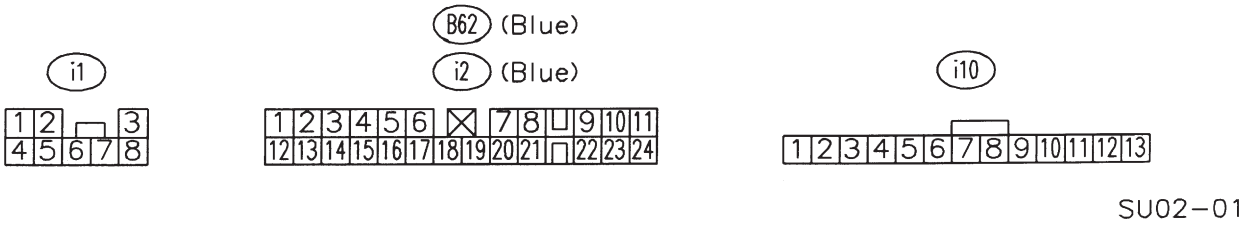
H: AUDIO SYSTEM



SU76−01

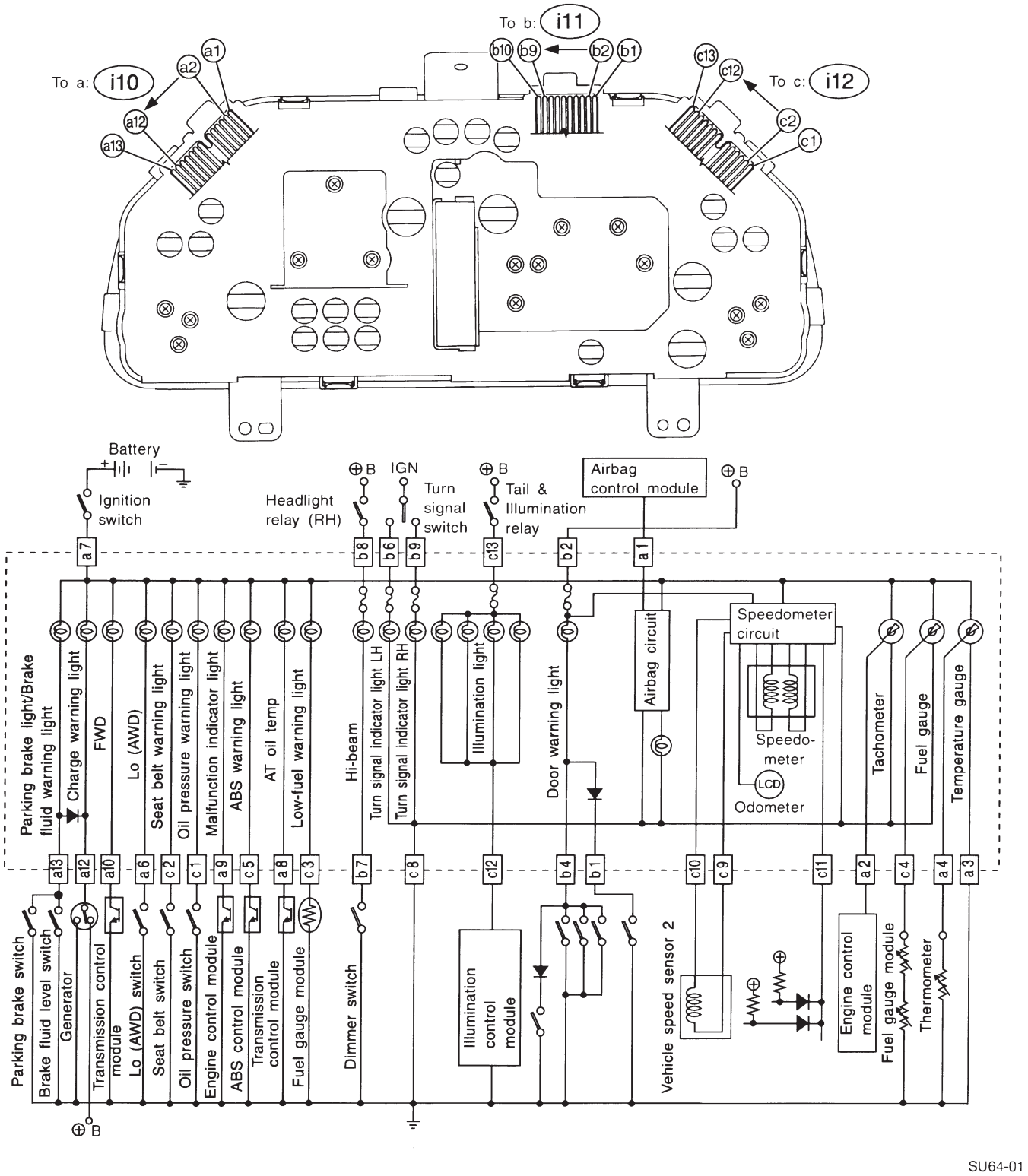
I: CHARGING SYSTEM





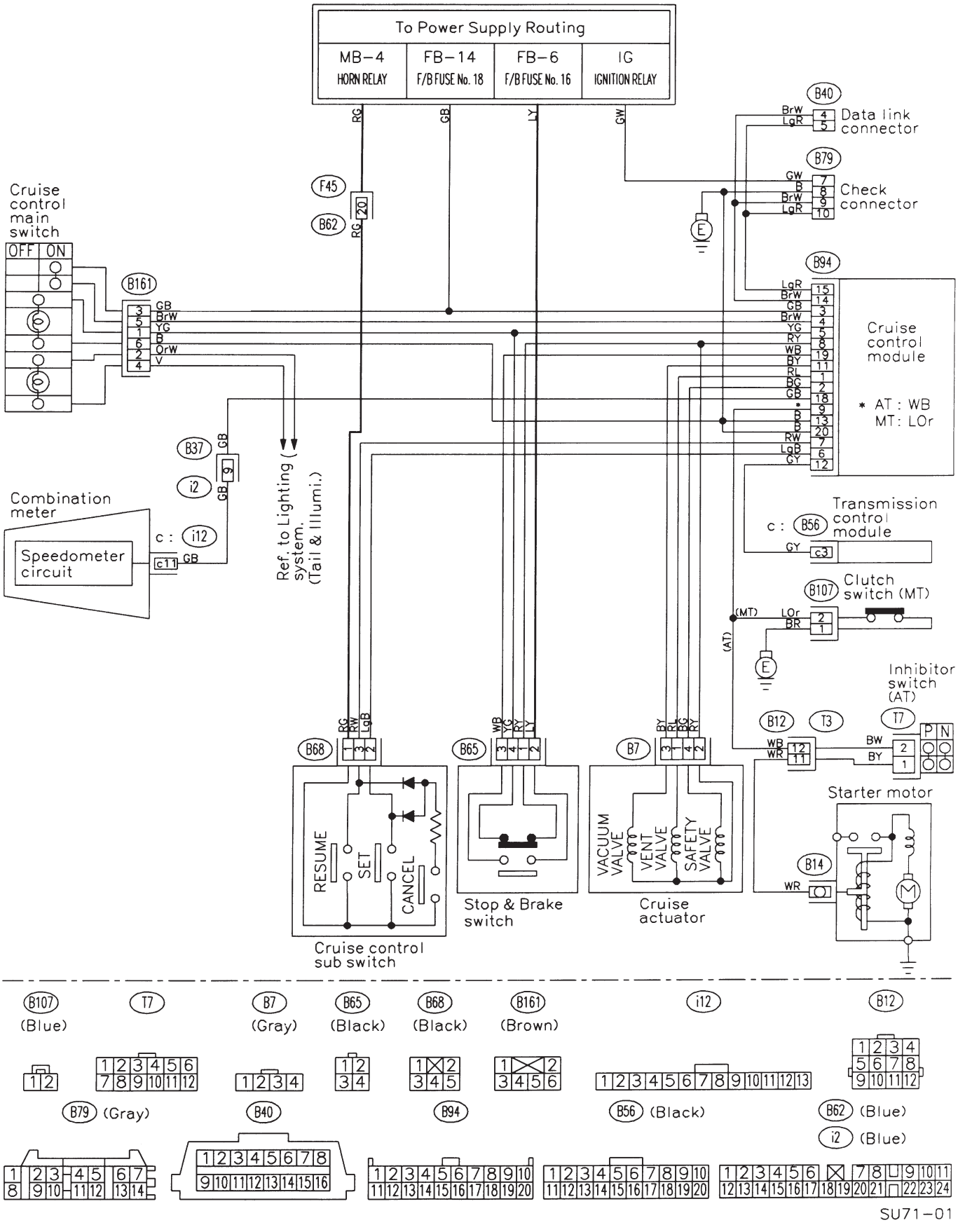
SU02−01

J: COMBINATION METER

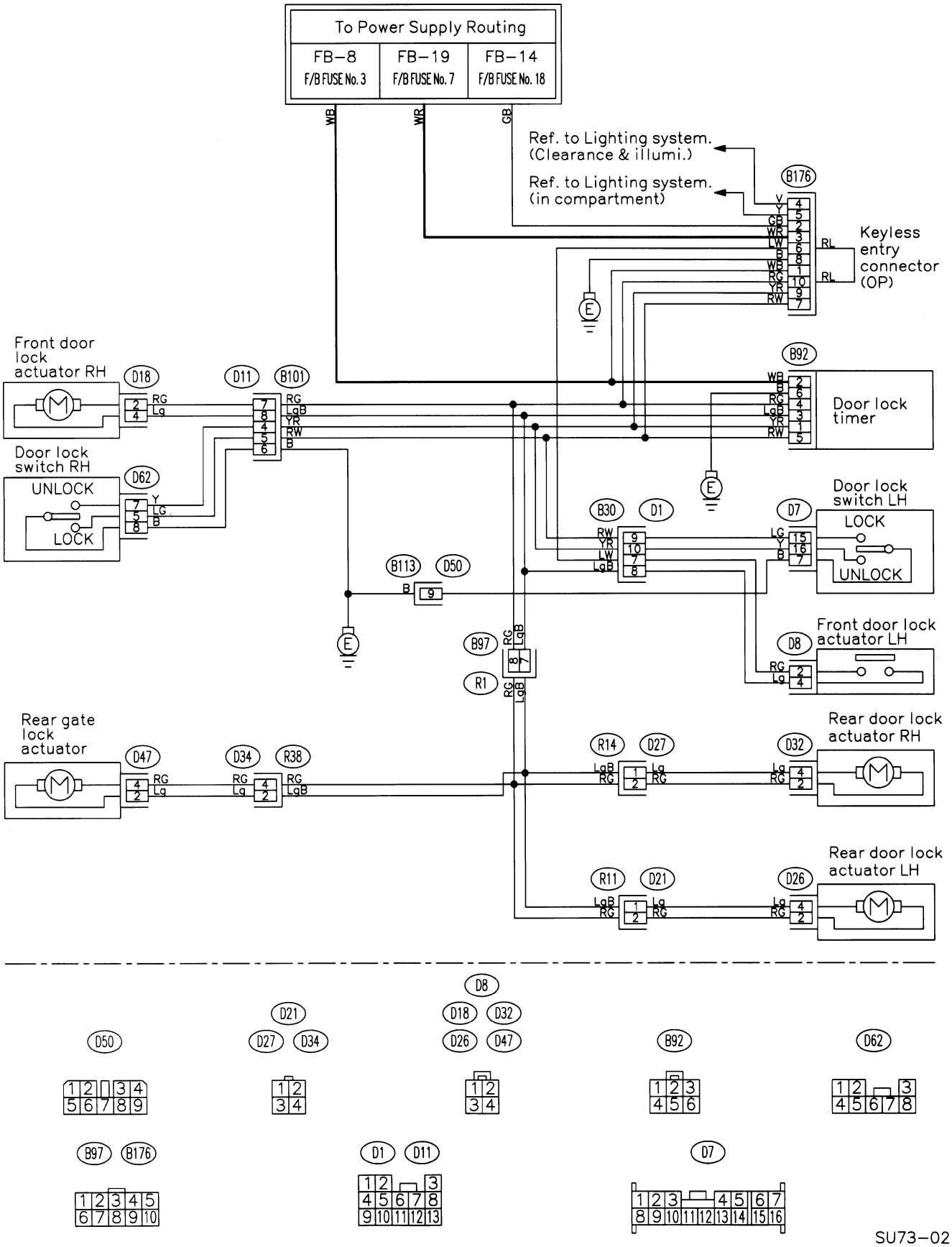


SU64-01

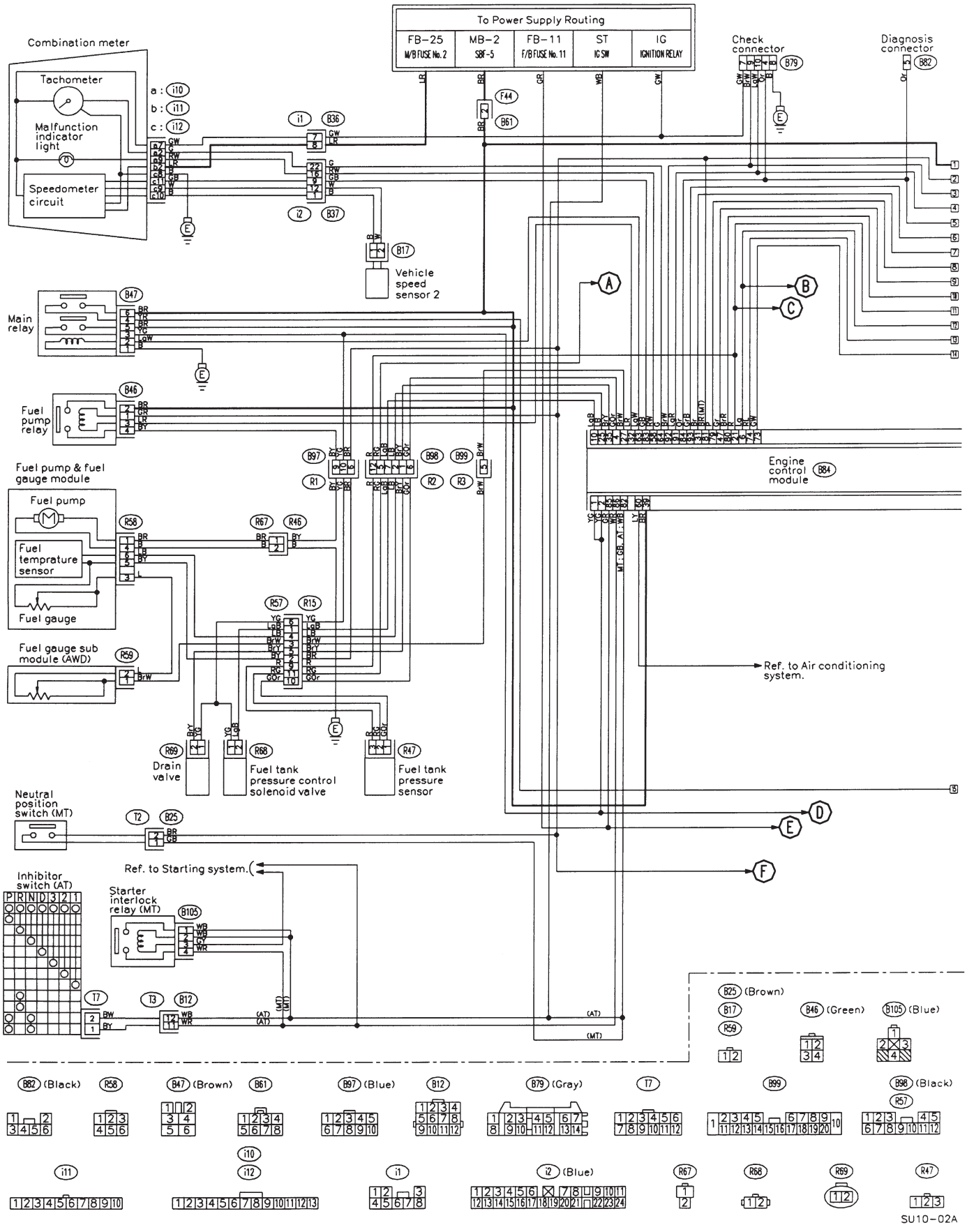
K: CRUISE CONTROL SYSTEM



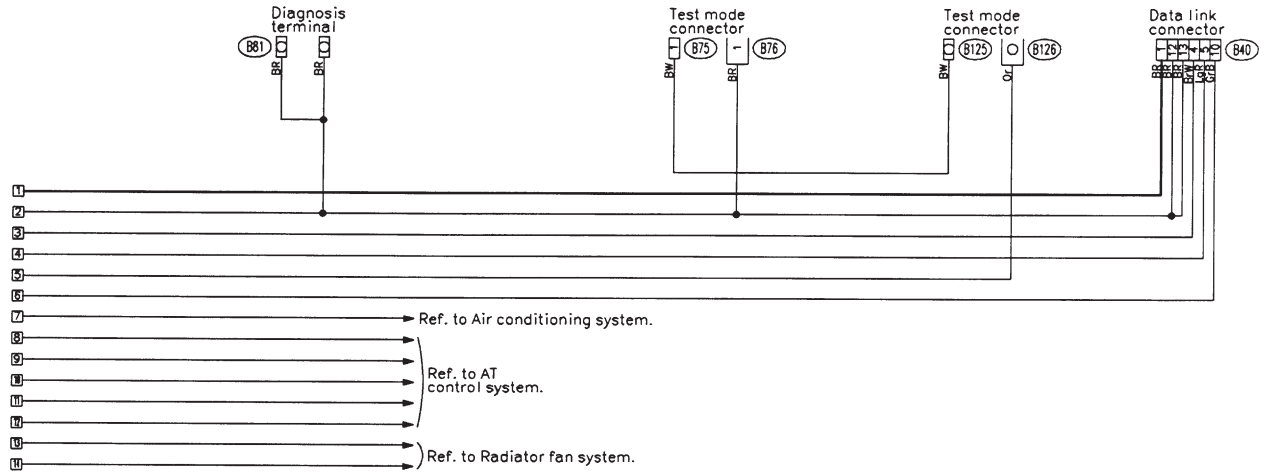
L: DOOR LOCK SYSTEM

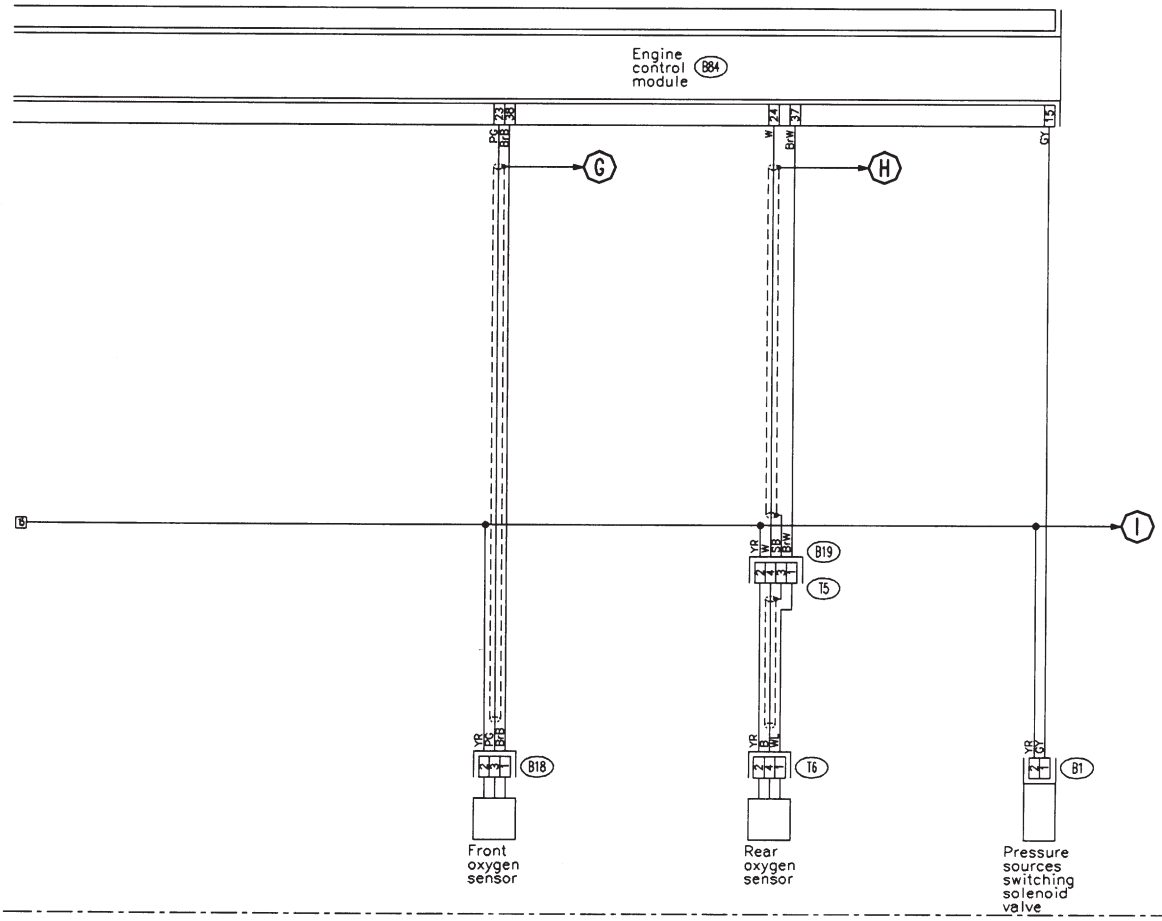


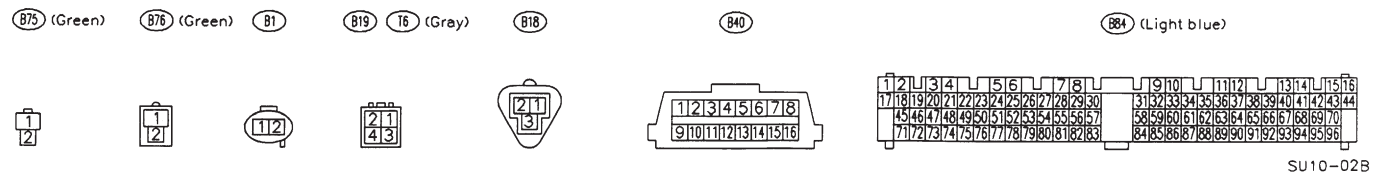
M: ENGINE ELECTRICAL SYSTEM



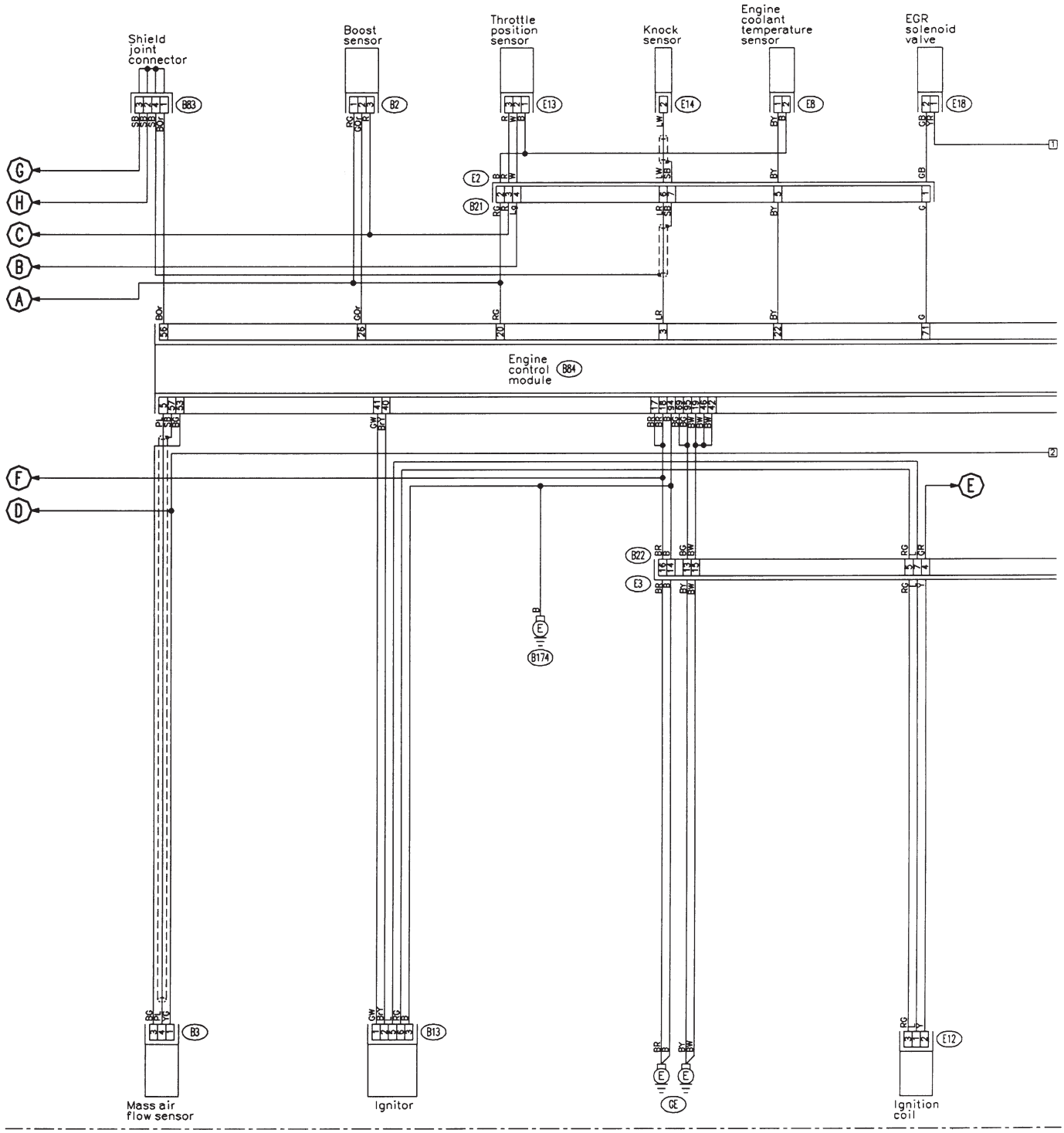
WIRING DIAGRAM

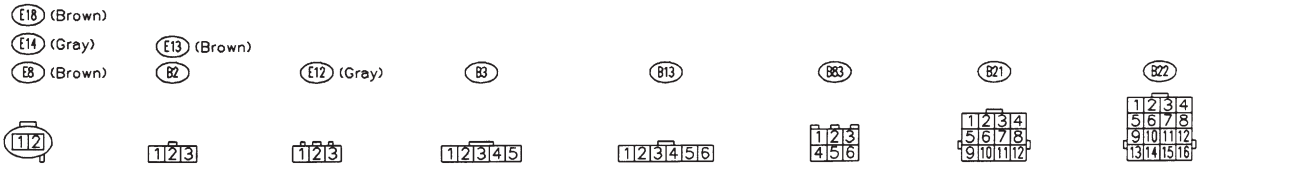






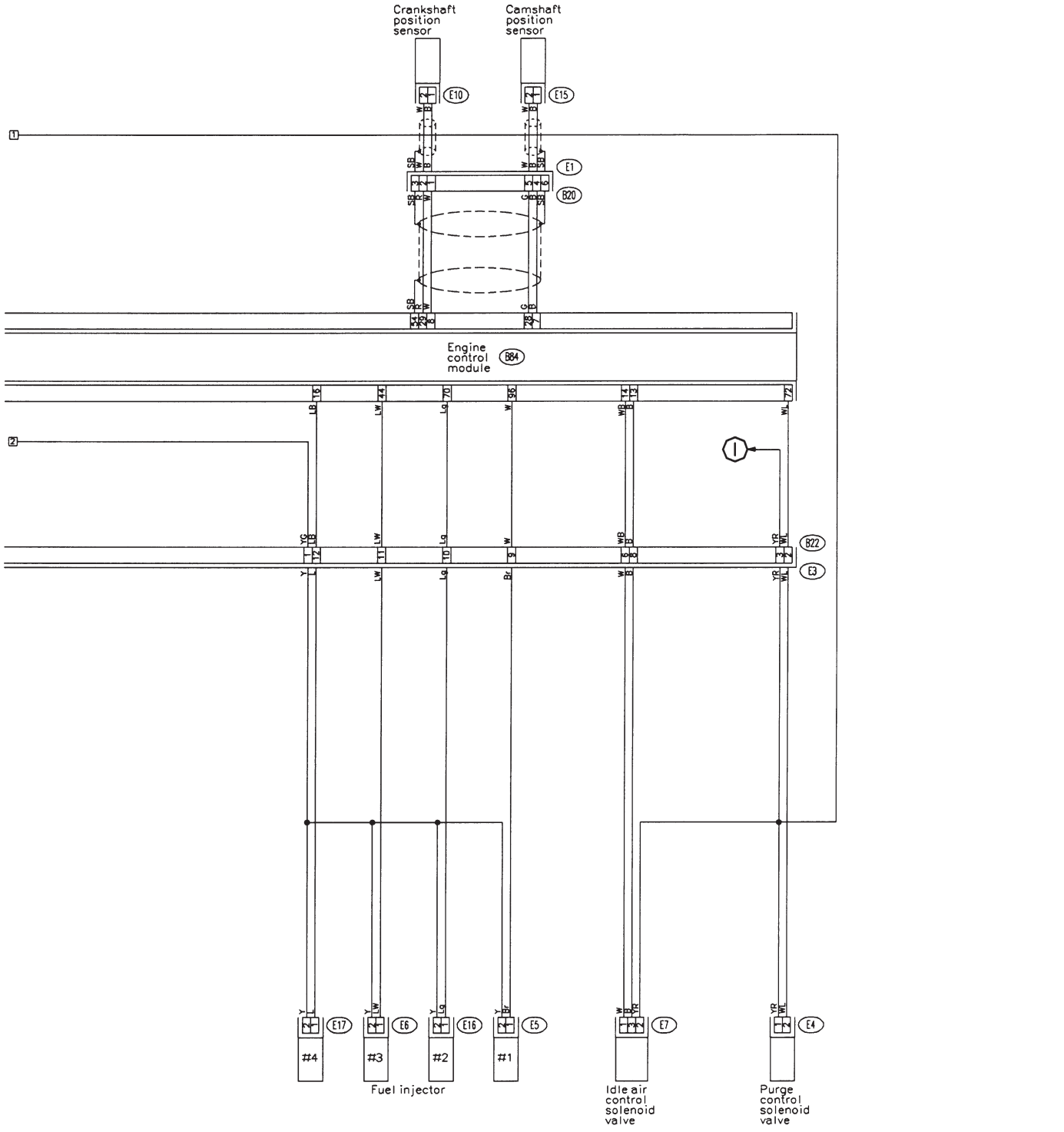
SU10-02B


Shield joint connector
Boost sensor
Throttle position sensor
Knock sensor
Engine coolant temperature sensor
EGR solenoid valve
Engine control module
Mass air flow sensor
Ignitor
Ignition coil
G
H
C
B
A
F
D
E
1
2


E18 (Brown)
E14 (Gray)
E8 (Brown)
E13 (Brown)
B2
E12 (Gray)
B3
B13
B83
B21
B22

SU10-02C

WIRING DIAGRAM



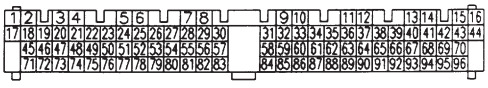
(Gray) E10 E15 (Dark gray)
(Light gray) E5 E16 (Light gray)
(Dark gray) E6 E17 (Dark gray)

E4 (Blue)

E7 (Gray)

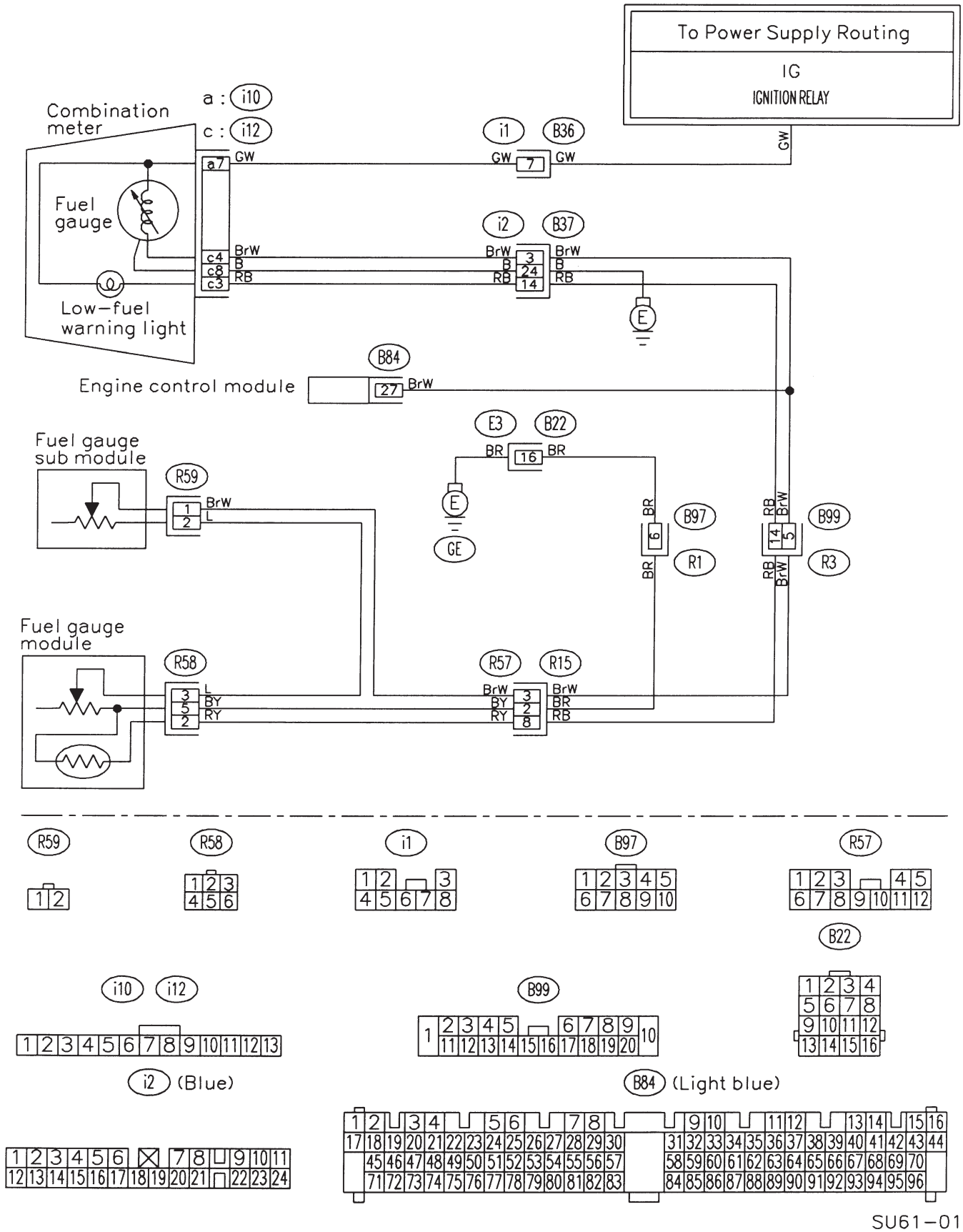
B20

B84 (Light blue)



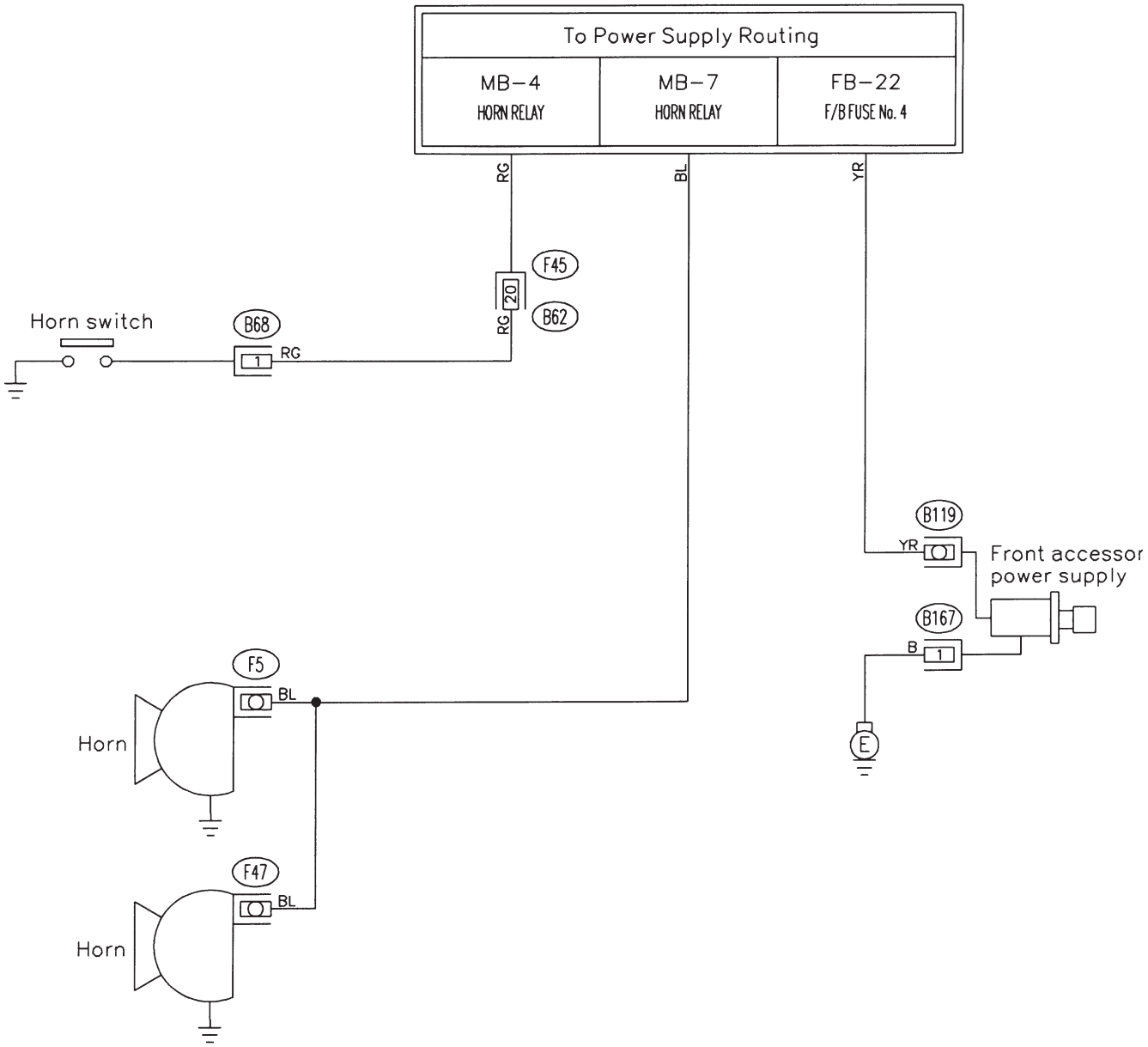
SU10-02D

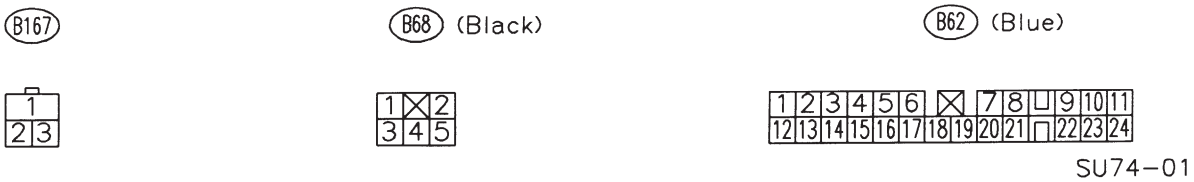
N: FUEL GAUGE SYSTEM



SU61-01

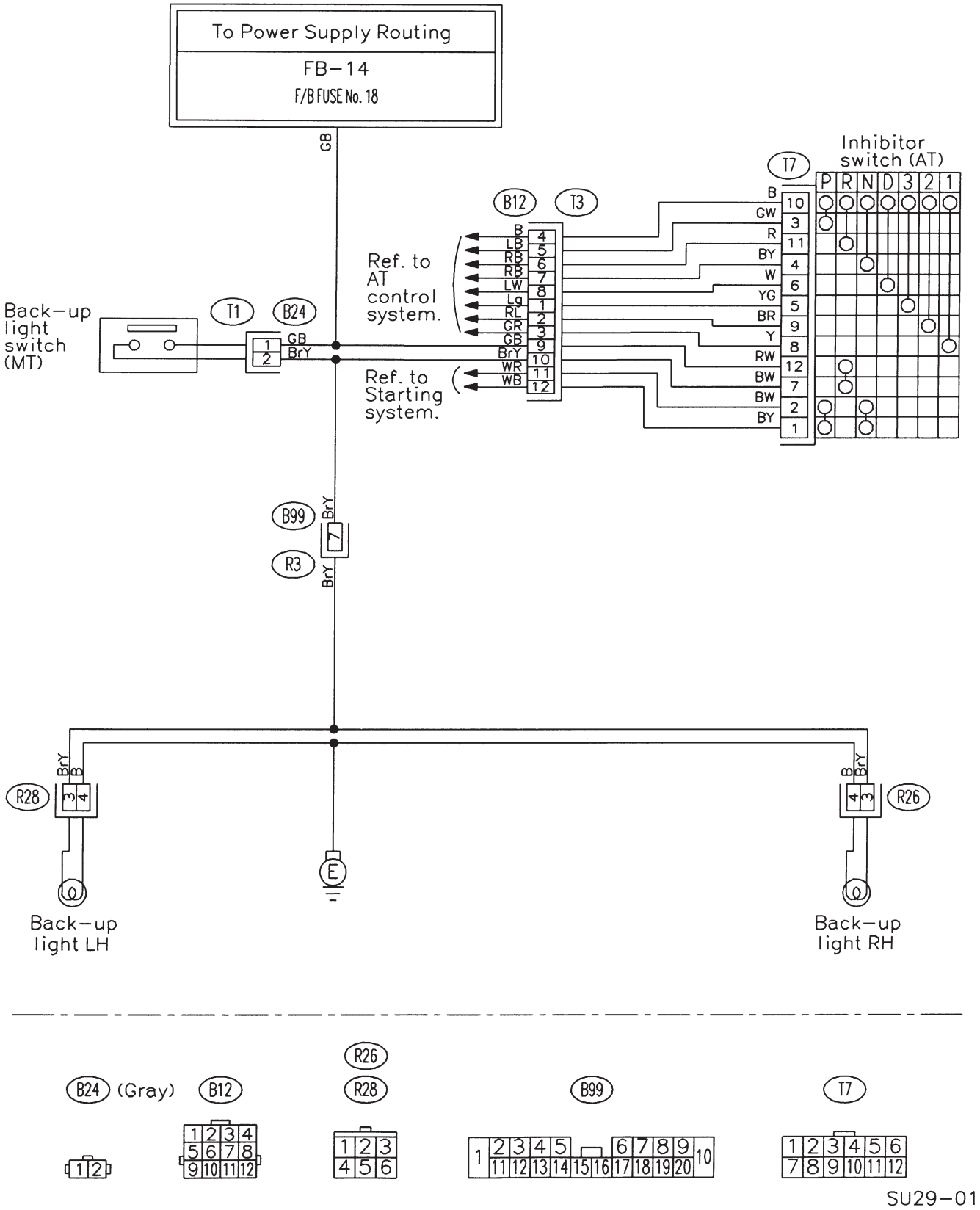
O: HORN AND FRONT ACCESSORY POWER SUPPLY SYSTEM



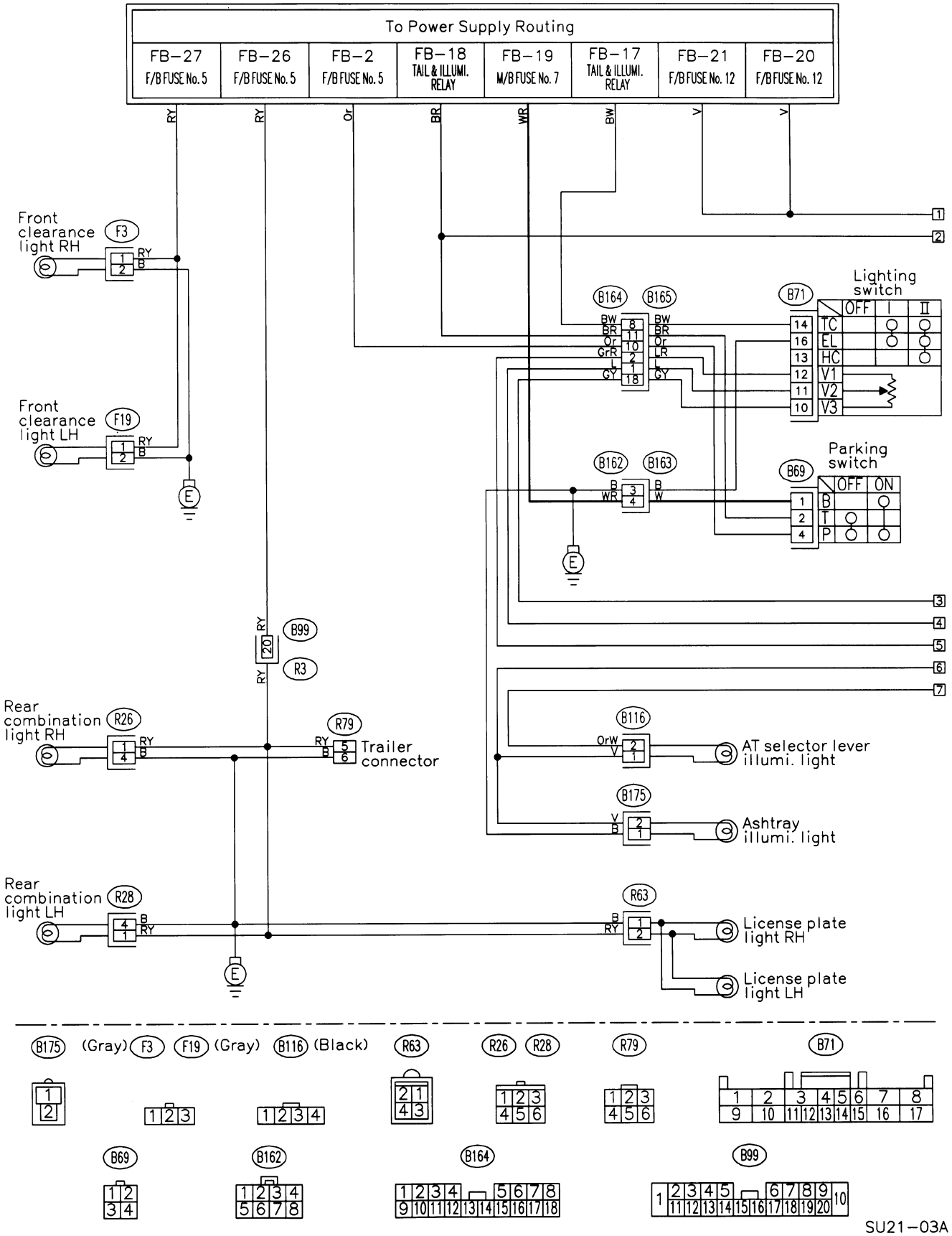


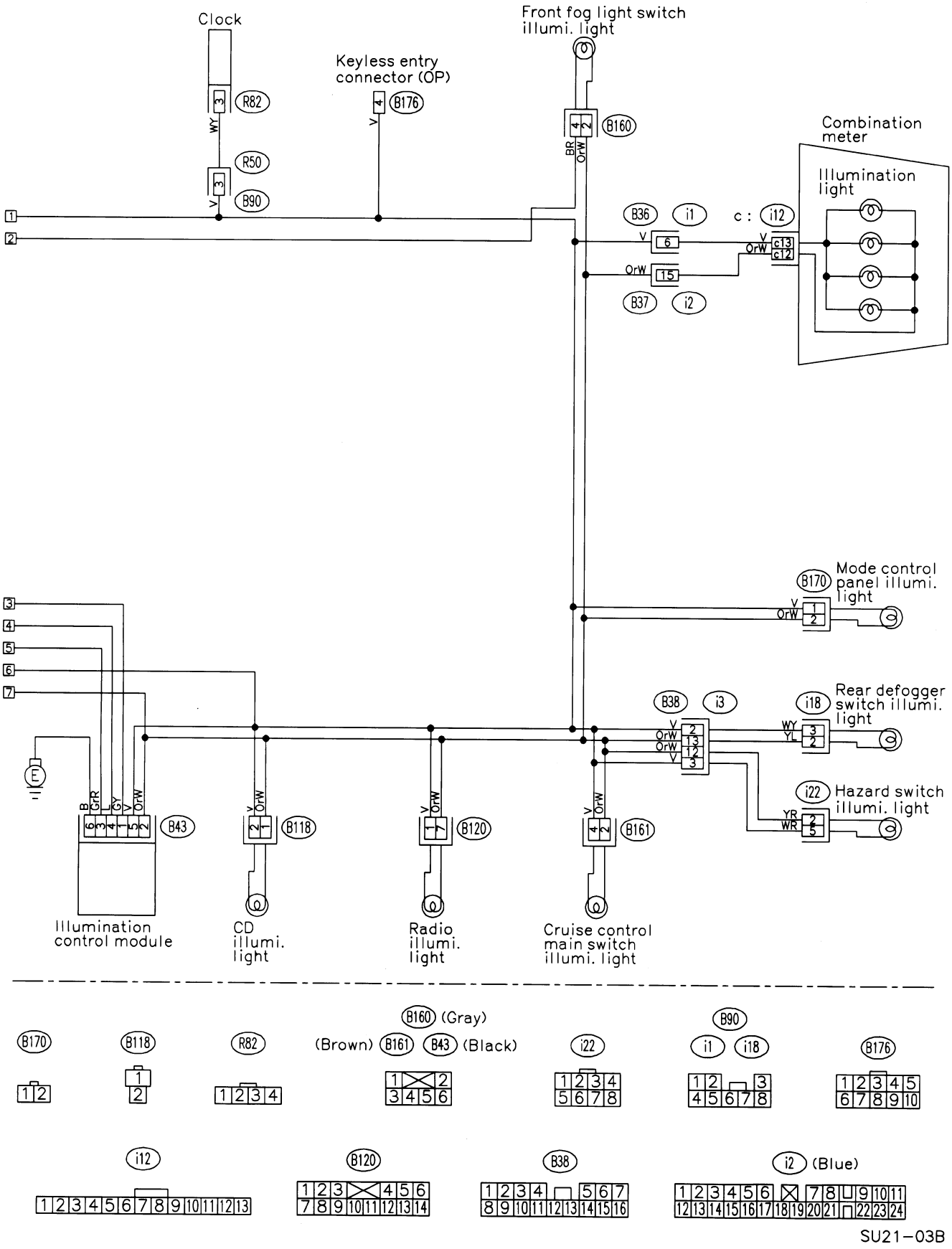
SU74−01

P: LIGHTING SYSTEM (BACK-UP LIGHT)

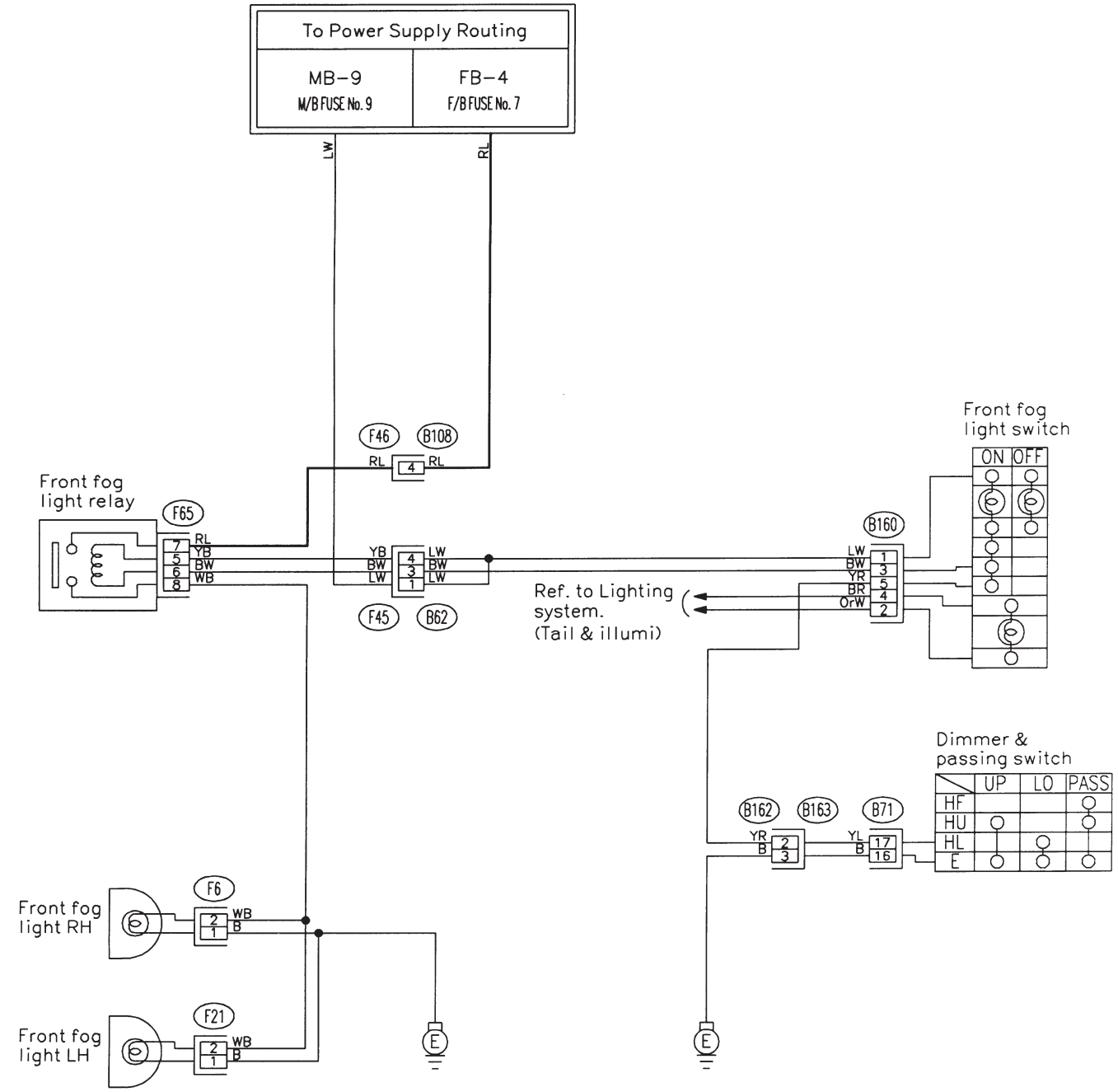


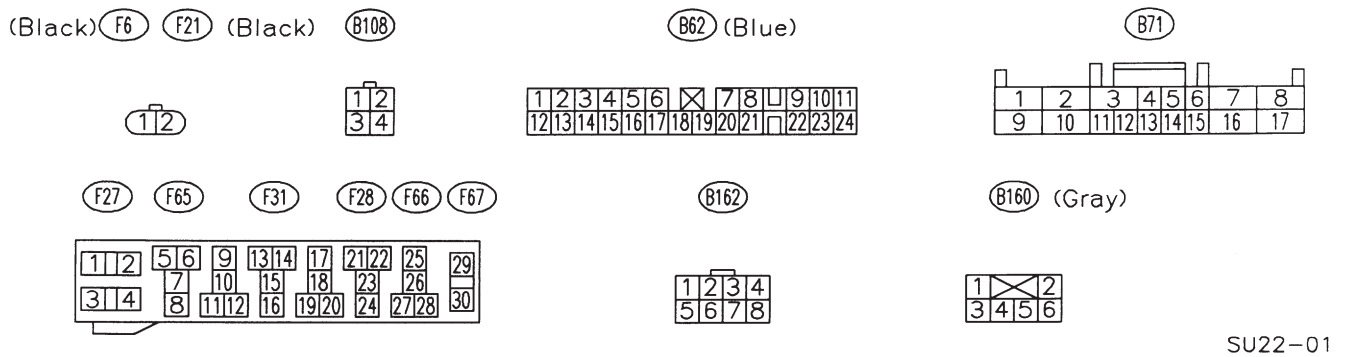
Q: LIGHTING SYSTEM (CLEARANCE LIGHT AND ILLUMINATION LIGHT)




Clock
Keyless entry connector (OP)
Front fog light switch illumi. light
Combination meter
Illumination light
Mode control panel illumi. light
Rear defogger switch illumi. light
Hazard switch illumi. light
Illumination control module
CD illumi. light
Radio illumi. light
Cruise control main switch illumi. light
(Gray)
(Brown)
(Black)
(Blue)
SU21−03B

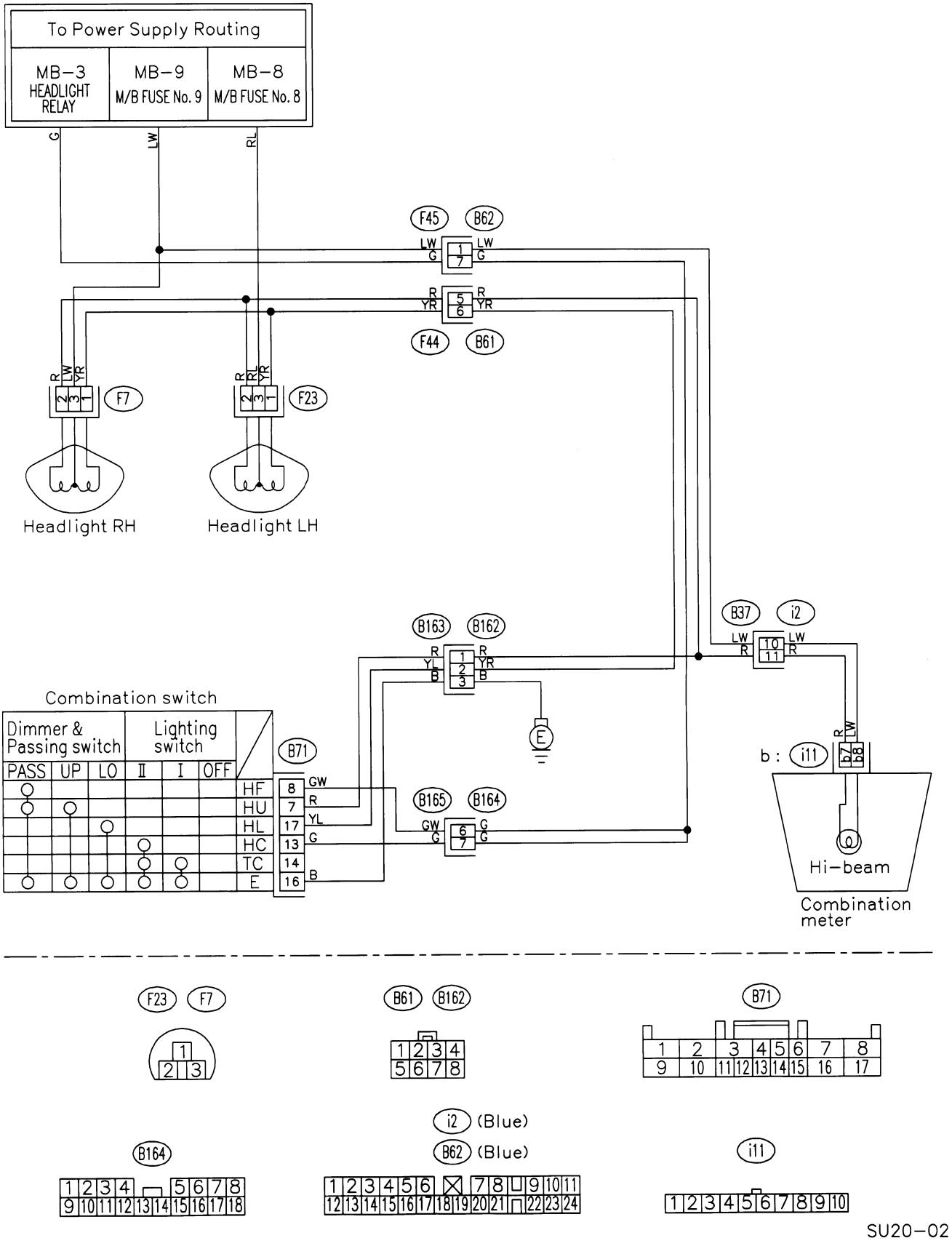
R: LIGHTING SYSTEM (FRONT FOG LIGHT)



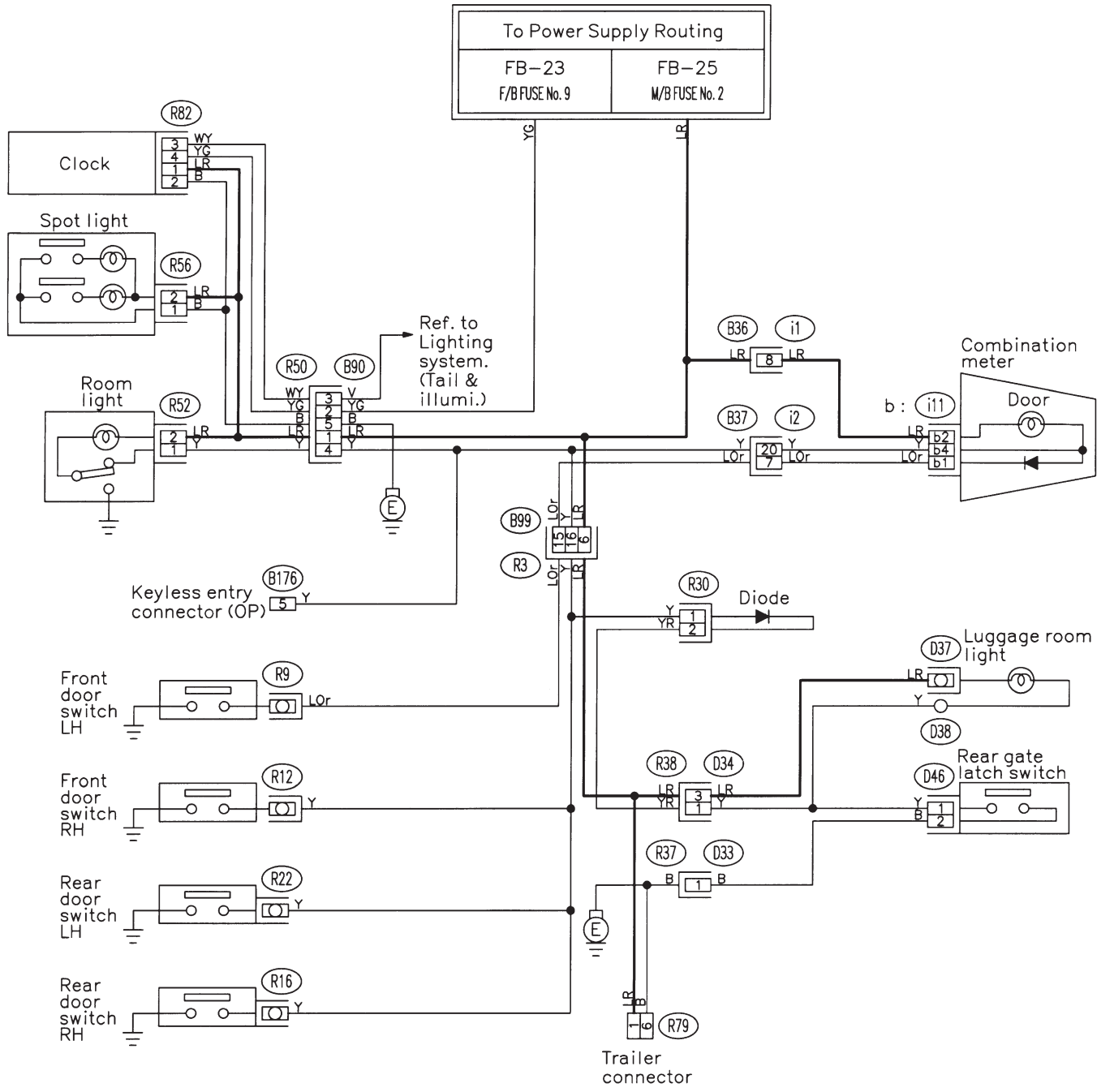


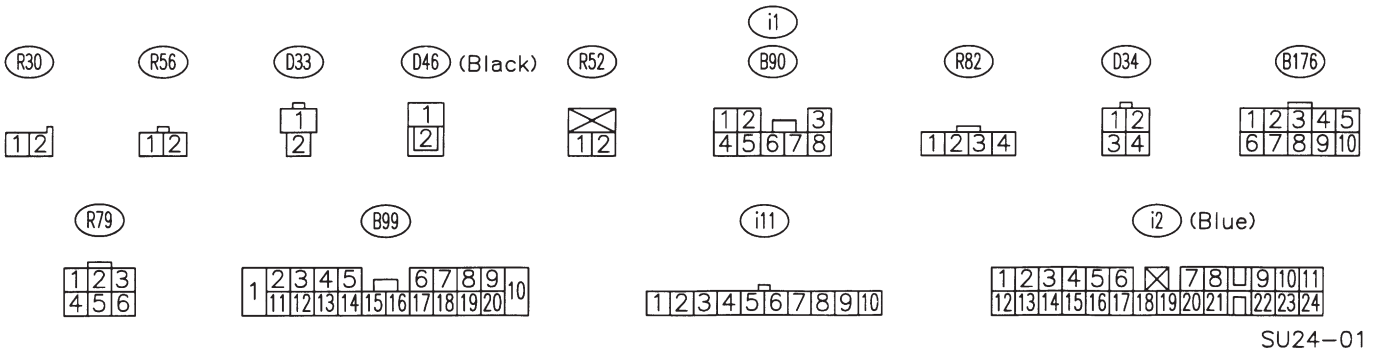
SU22−01

S: LIGHTING SYSTEM (HEADLIGHT)



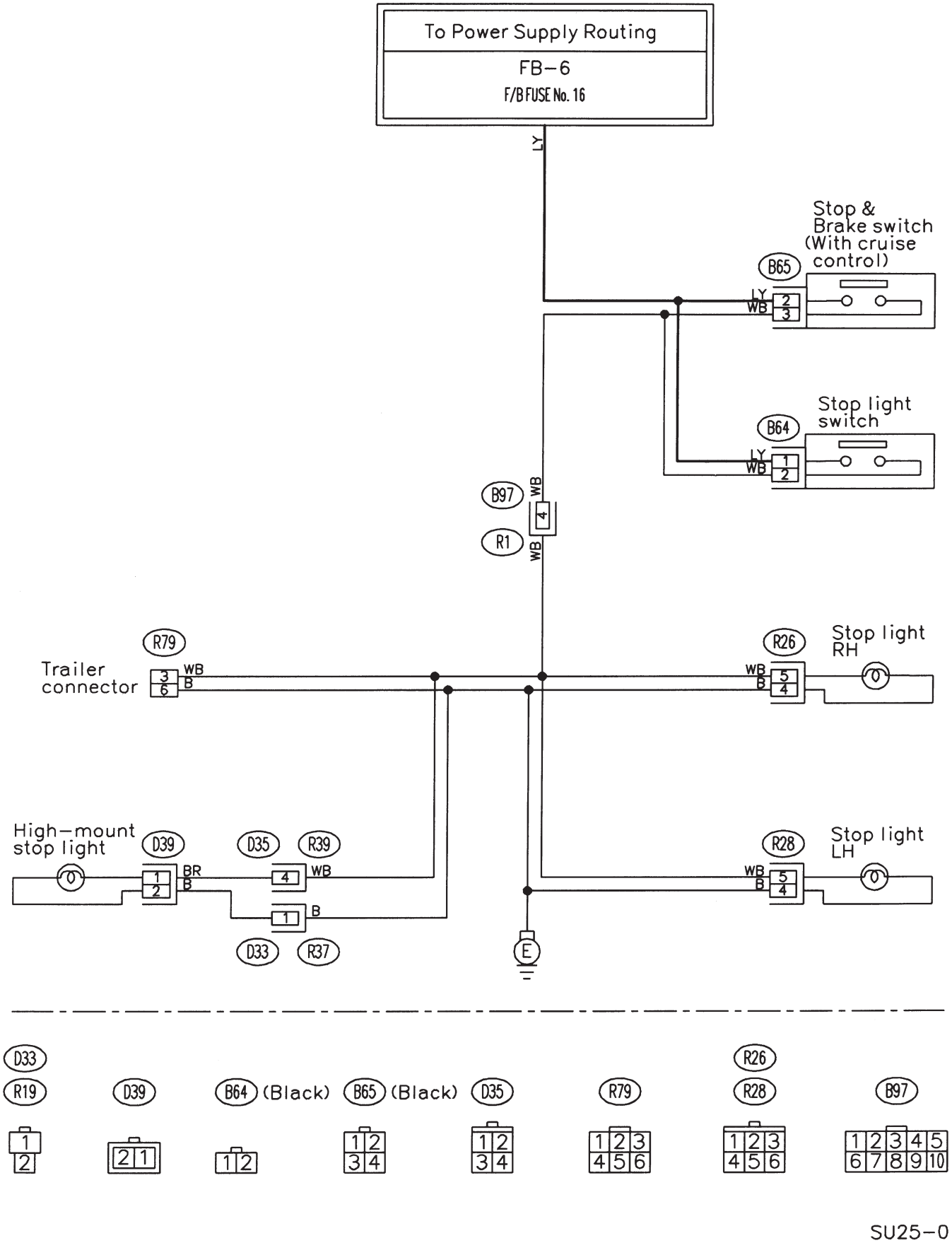
T: LIGHTING SYSTEM (IN COMPARTMENT)





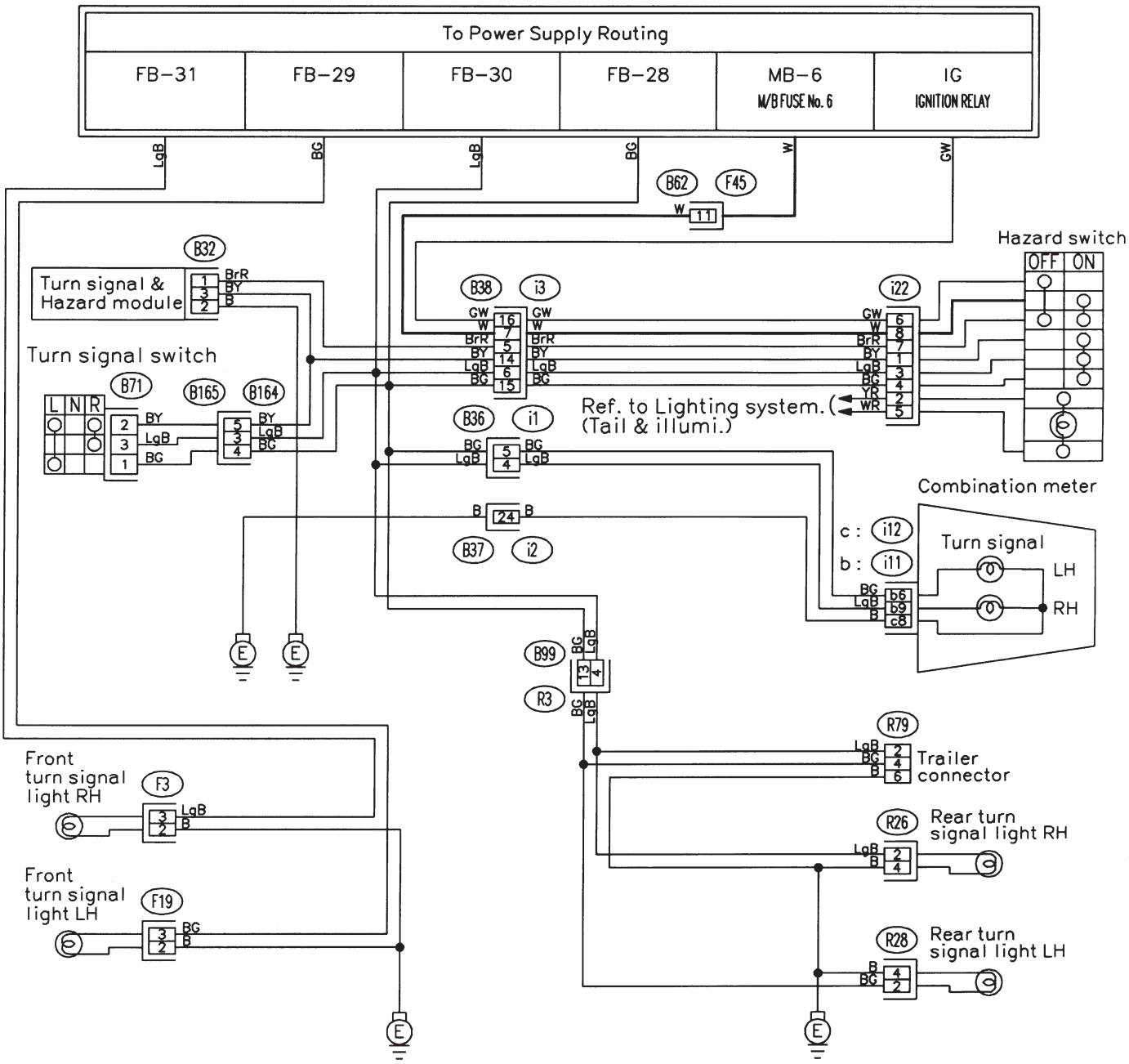
SU24−01

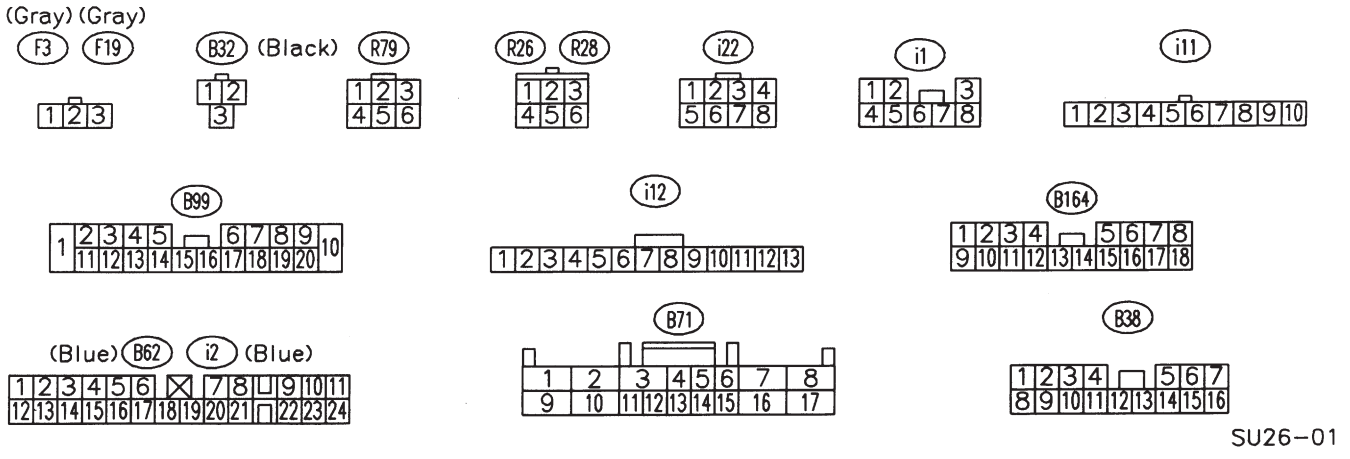
U: LIGHTING SYSTEM (STOP LIGHT)



SU25−01

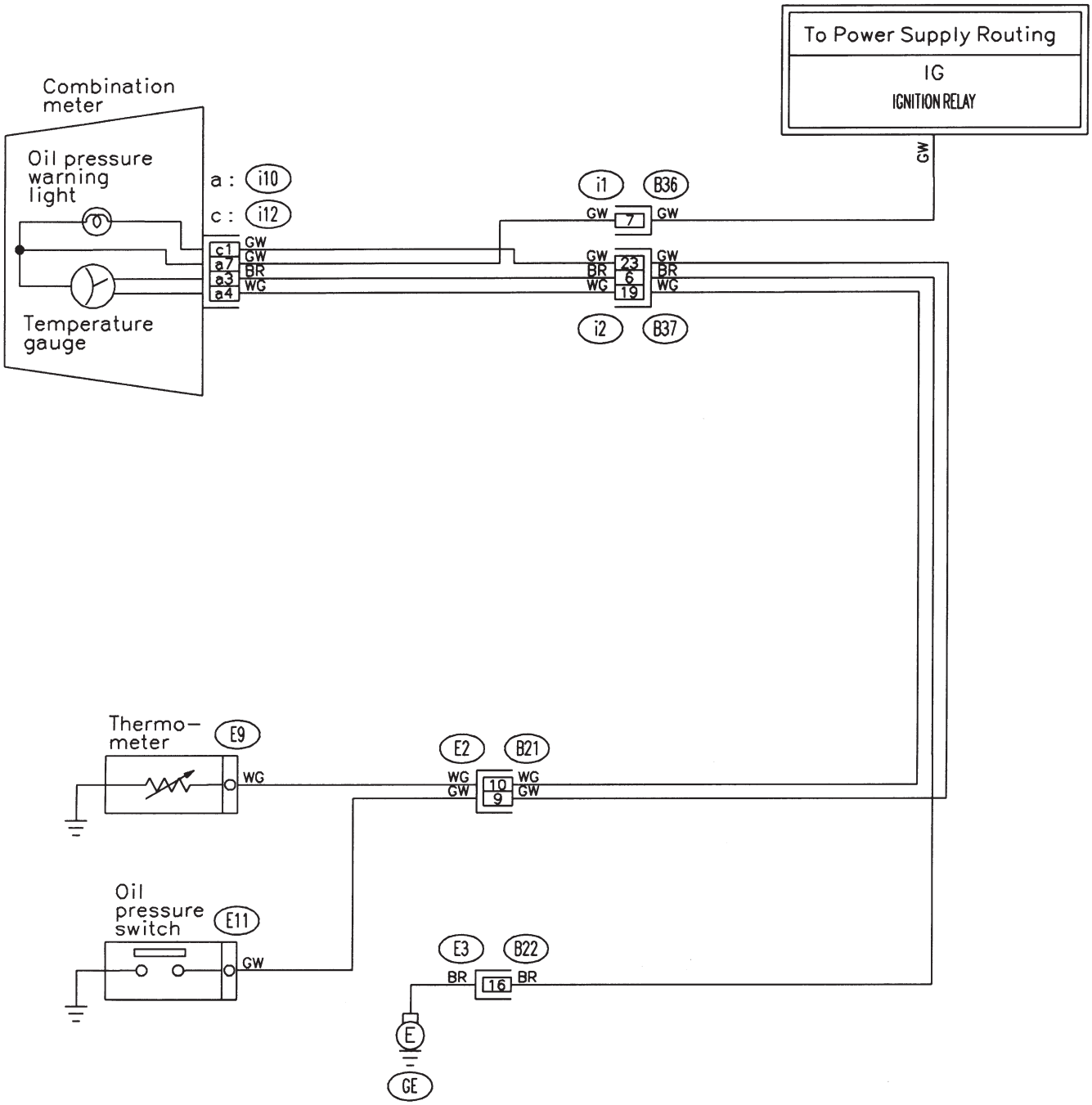
V: LIGHTING SYSTEM (TURN SIGNAL LIGHT AND HAZARD LIGHT)

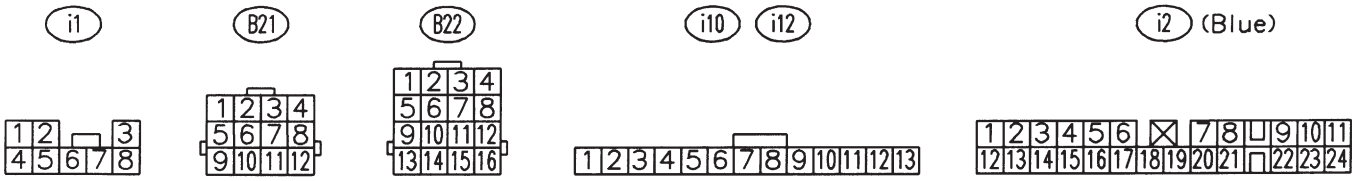




SU26−01

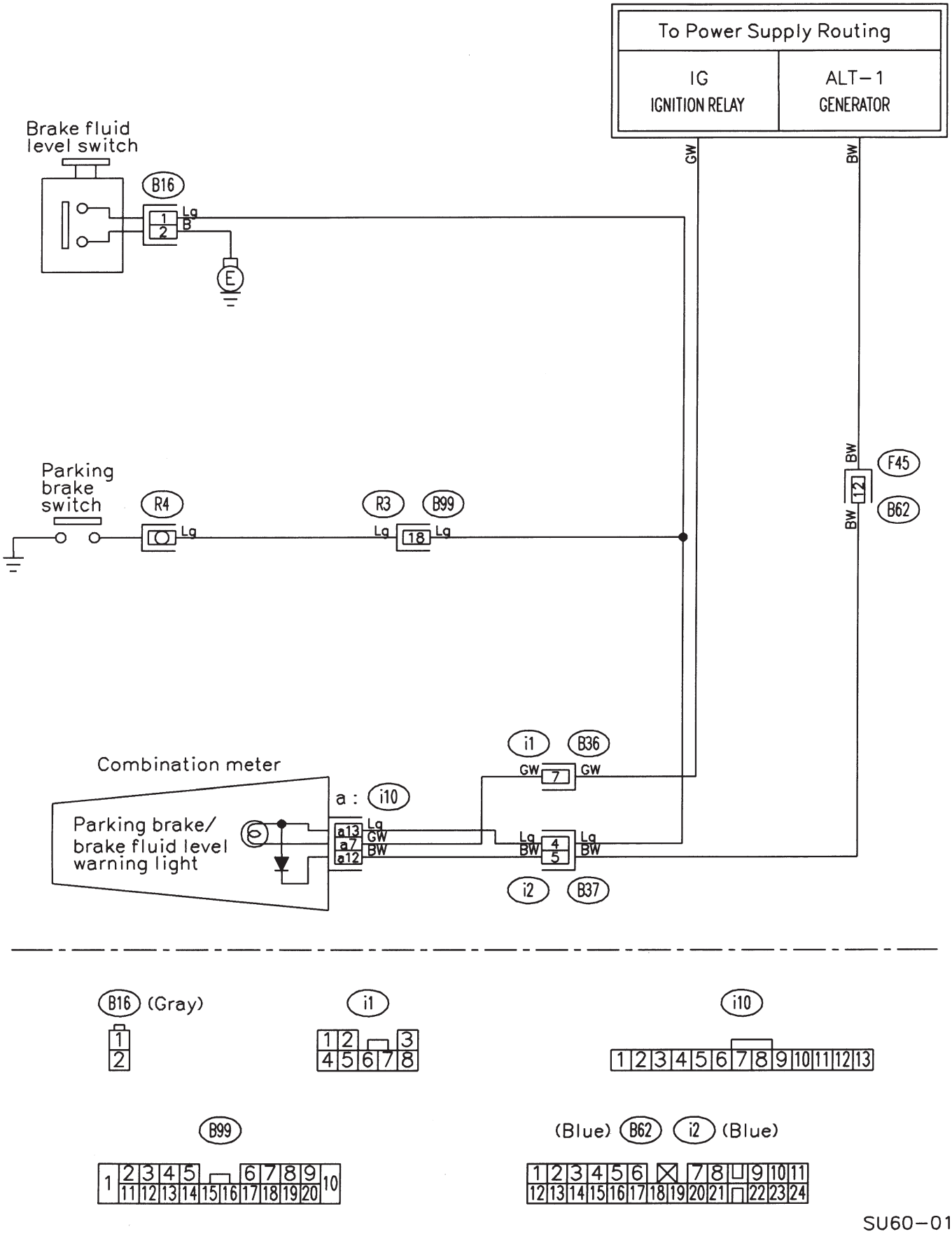
W: OIL PRESSURE AND TEMPERATURE GAUGE SYSTEM





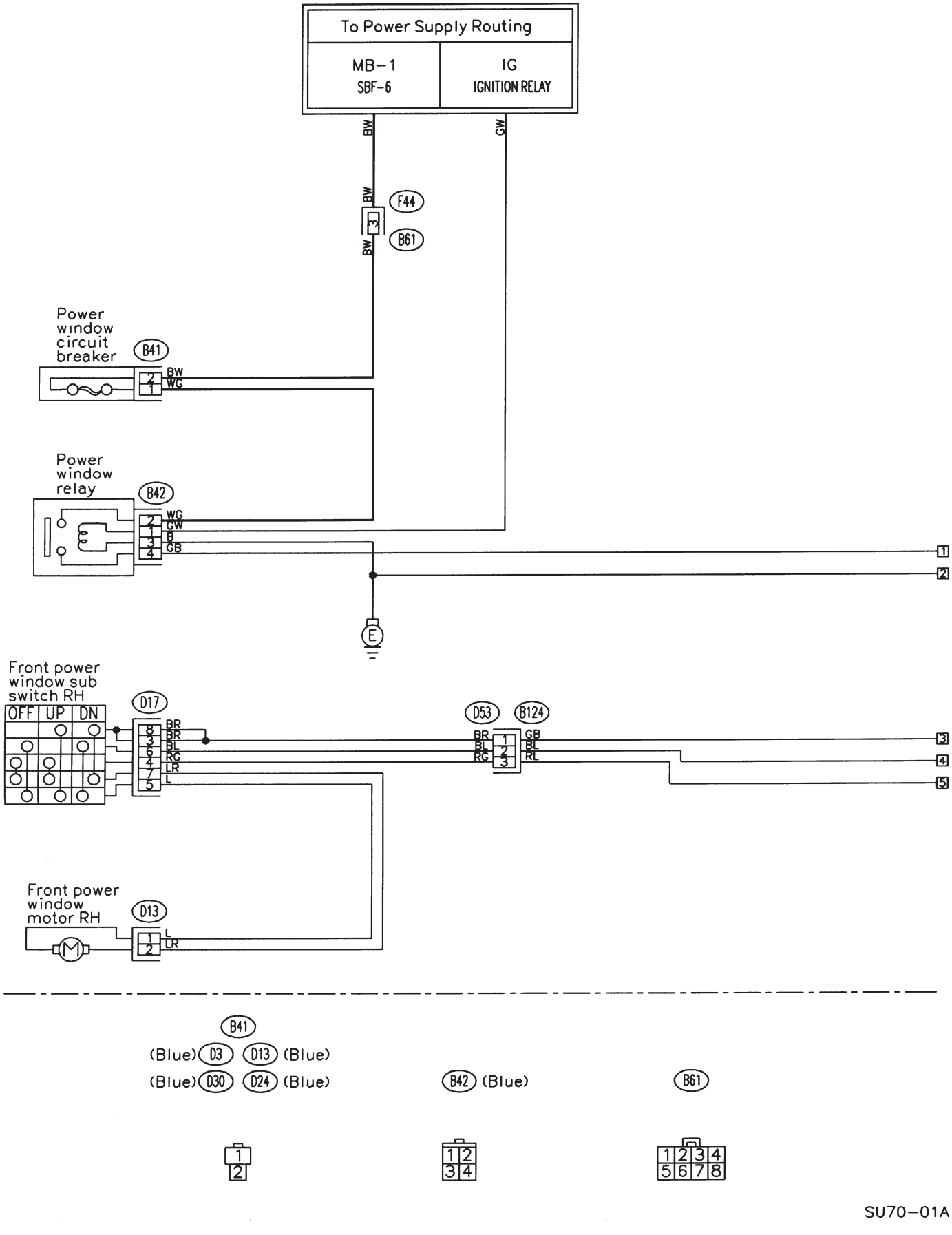
SU66-01

X: PARKING BRAKE AND BRAKE FLUID LEVEL WARNING SYSTEM

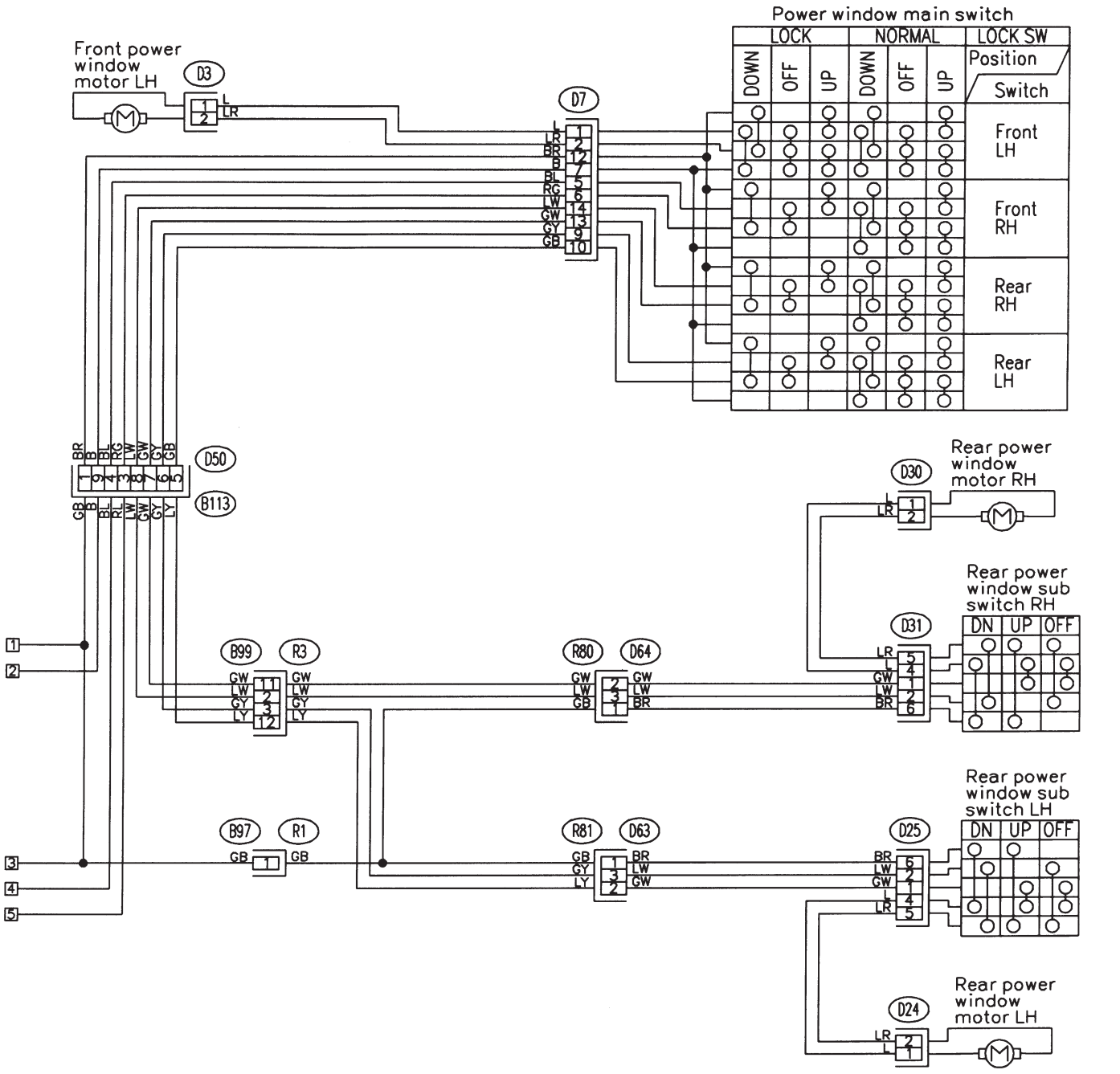


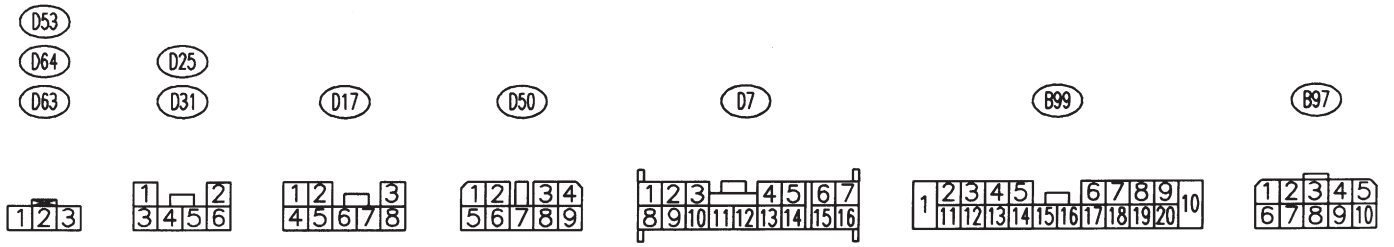
SU60−01

Y: POWER WINDOW SYSTEM



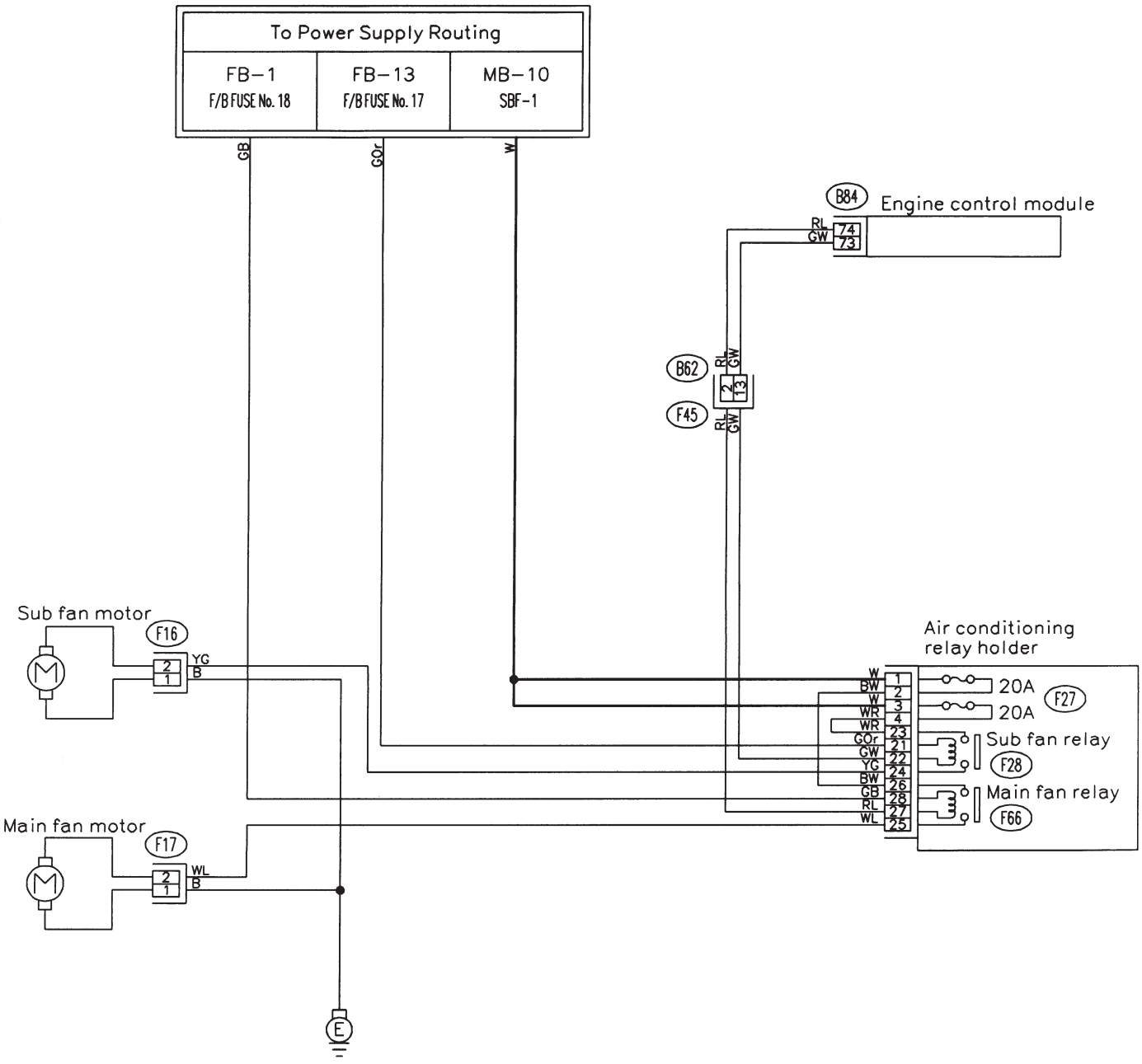
WIRING DIAGRAM

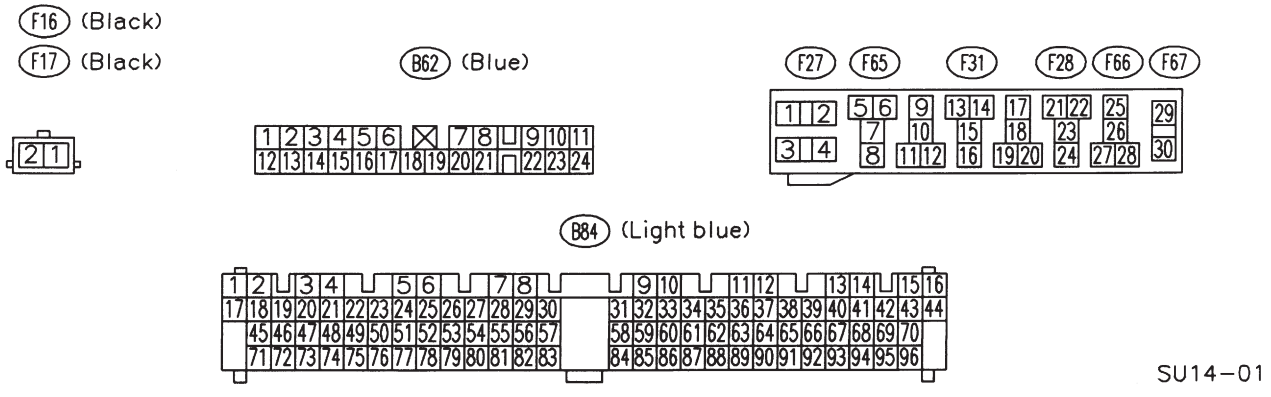




SU70–01B

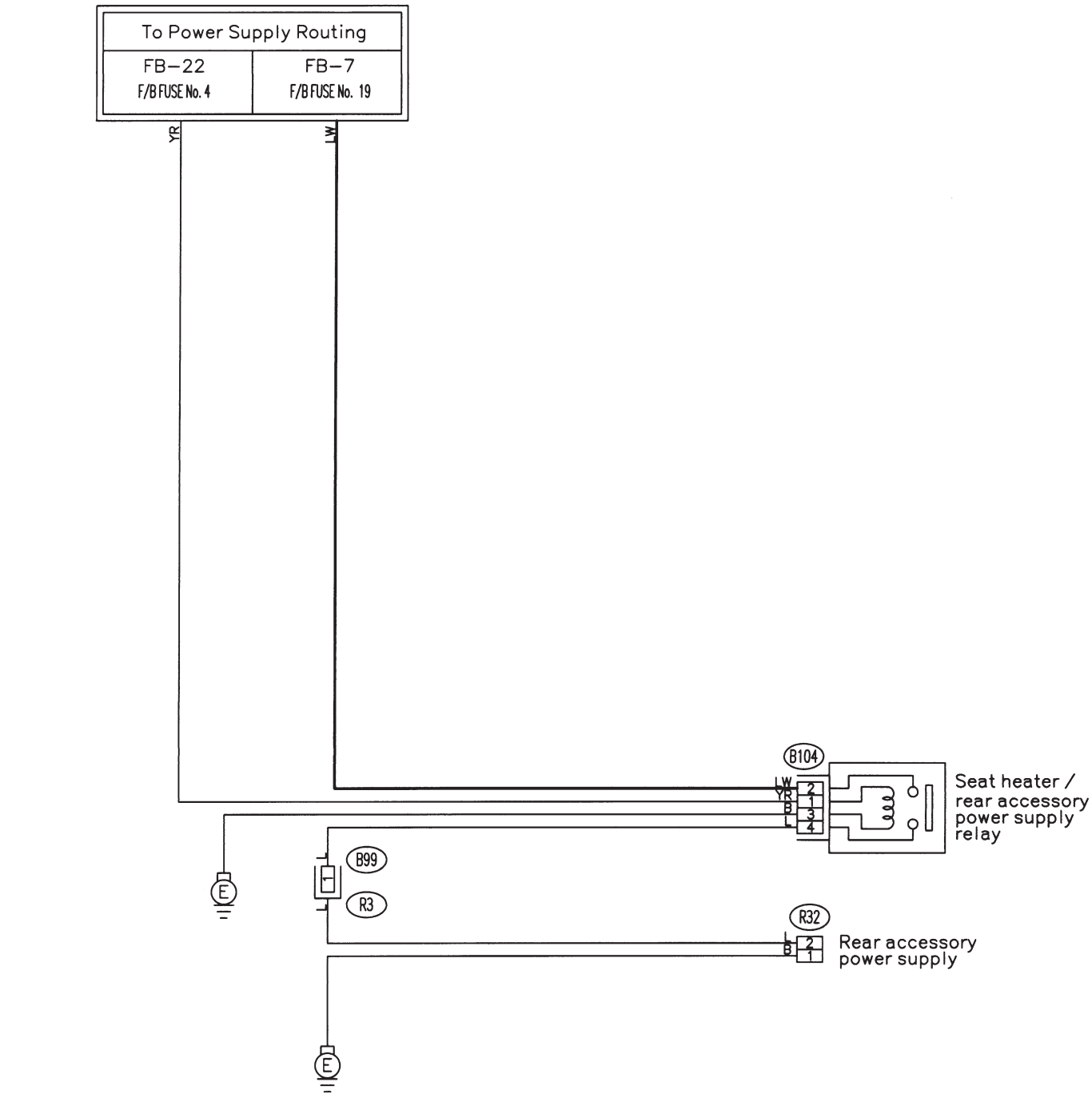
Z: RADIATOR FAN SYSTEM

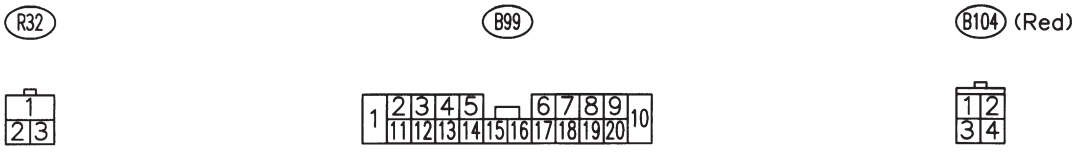




SU14−01

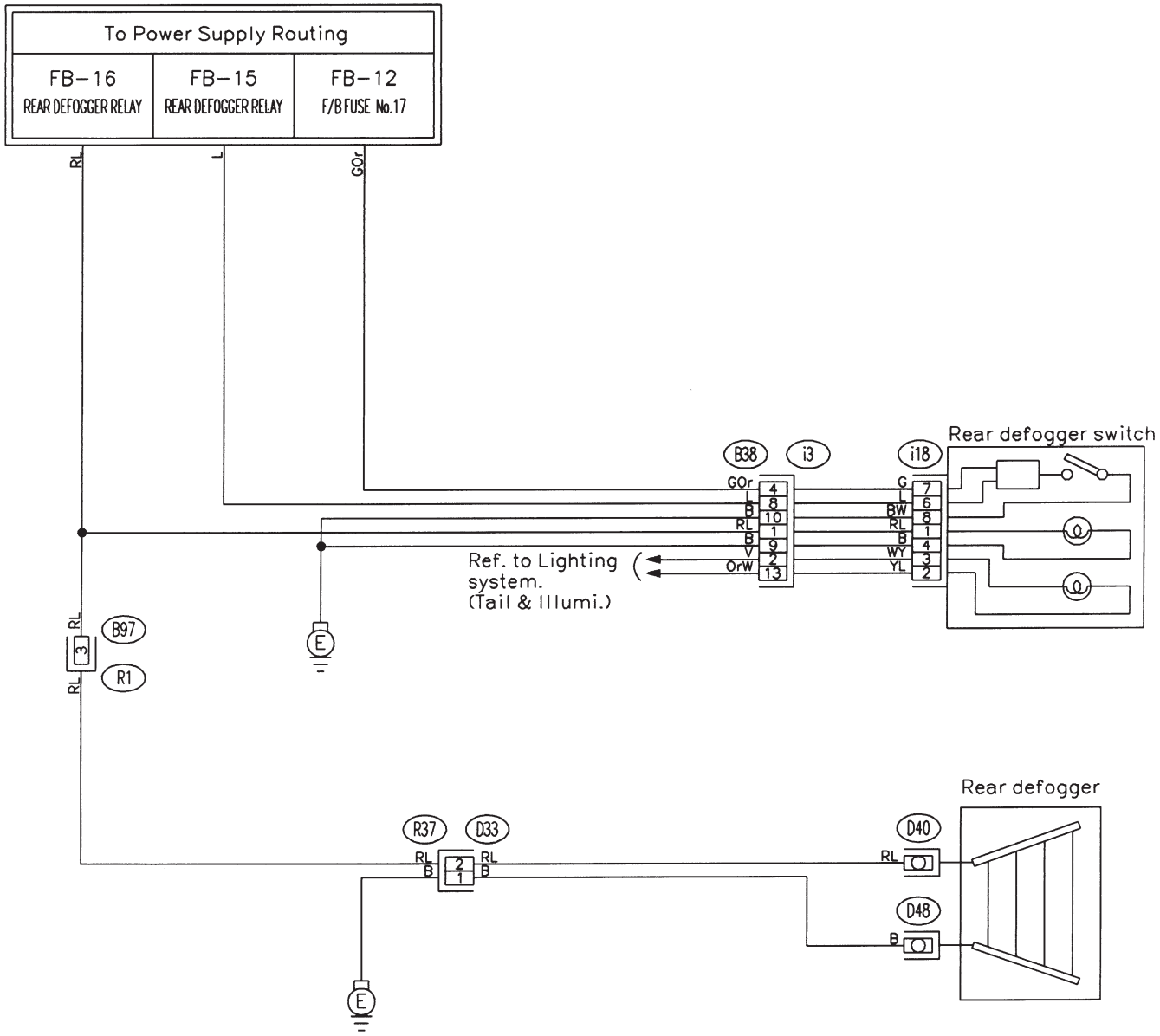
AA: REAR ACCESSORY POWER SUPPLY SYSTEM

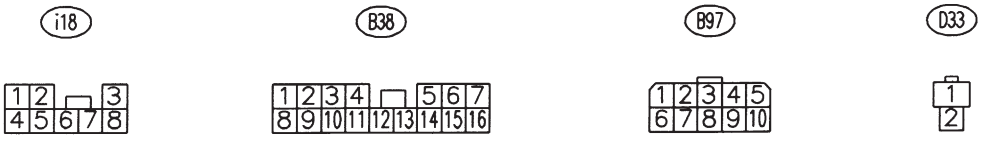




SU90−01

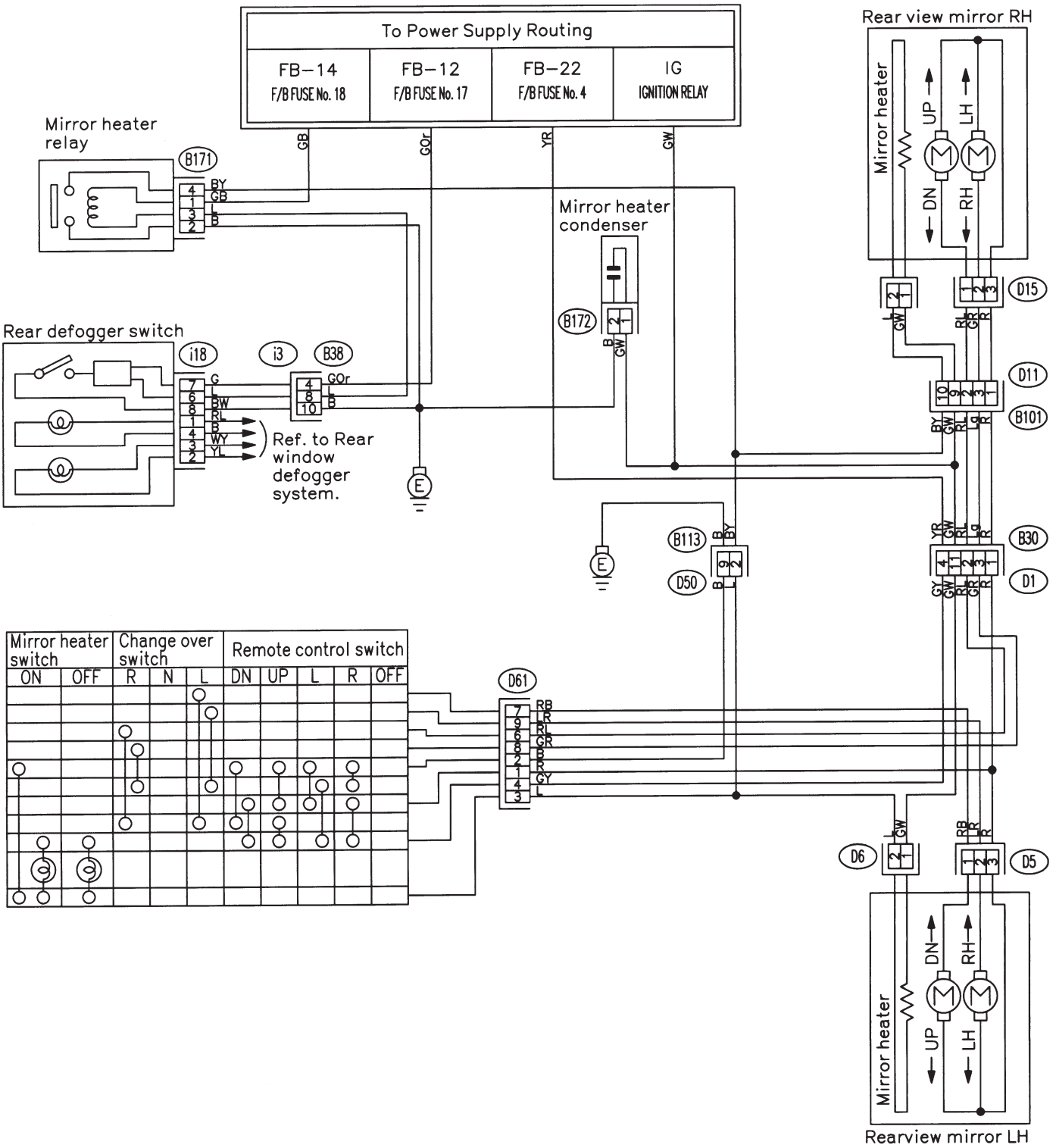
AB: REAR WINDOW DEFOGGER SYSTEM

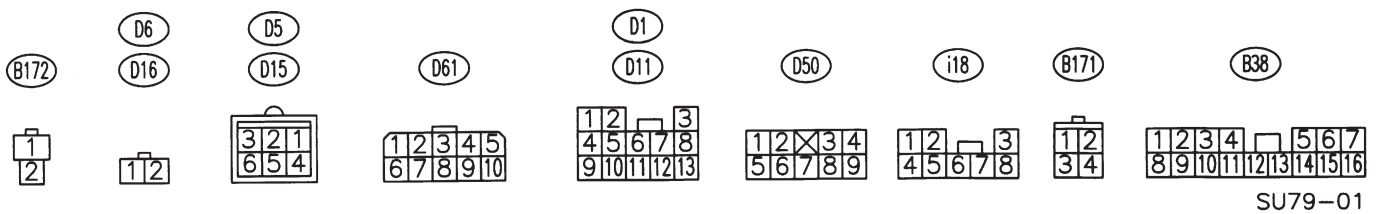




SU52−01

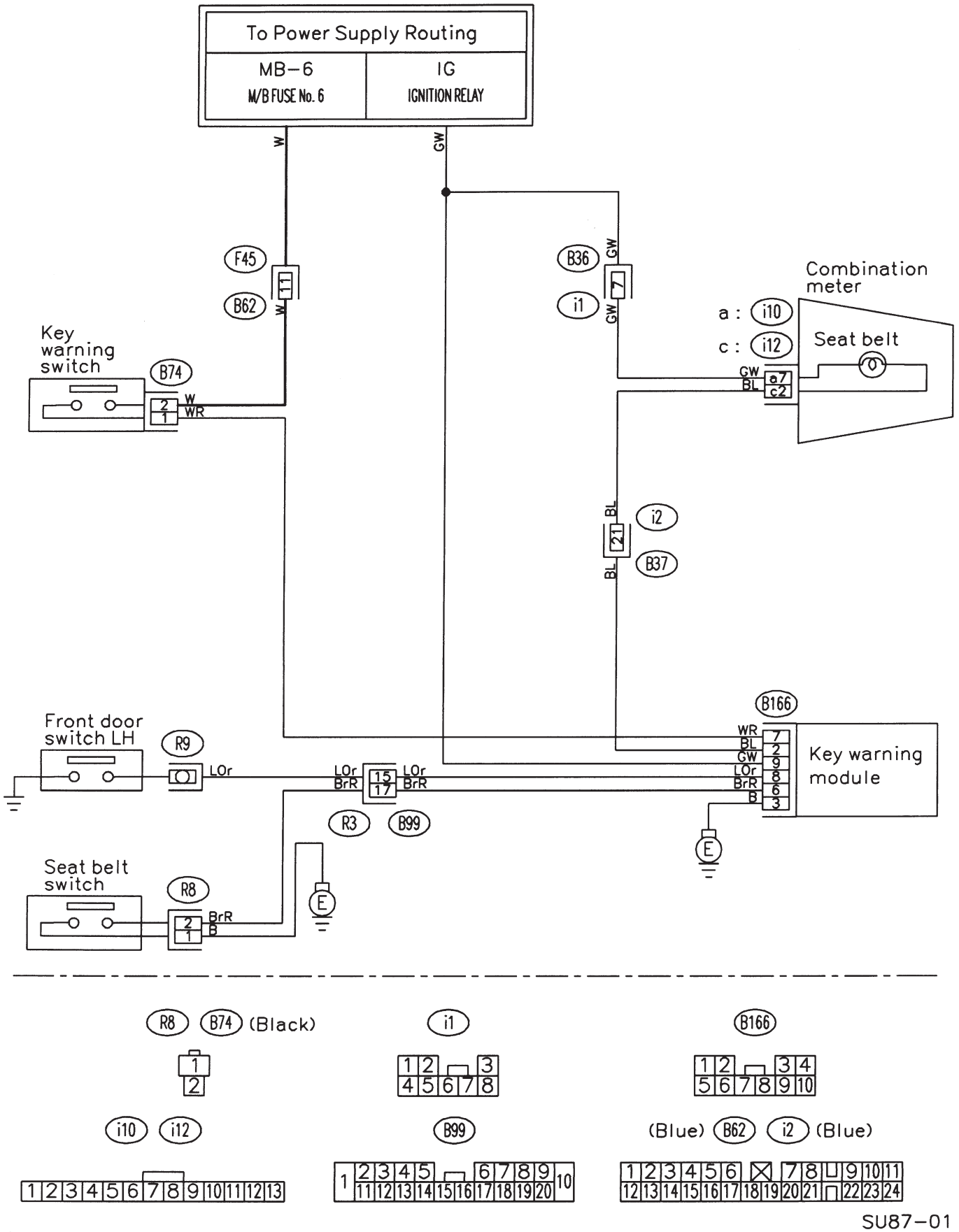
AC: REMOTE CONTROLLED REARVIEW MIRROR SYSTEM



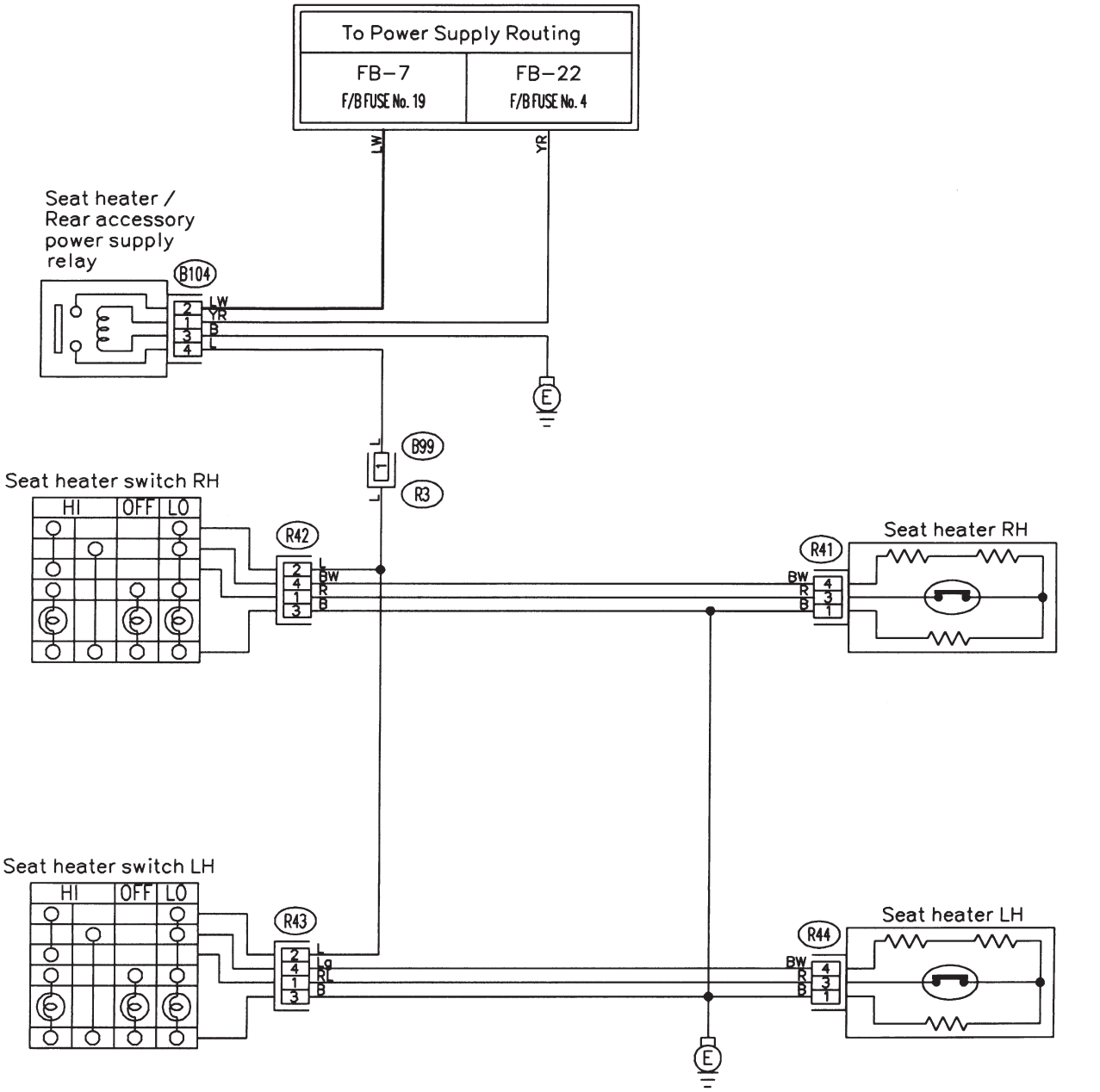


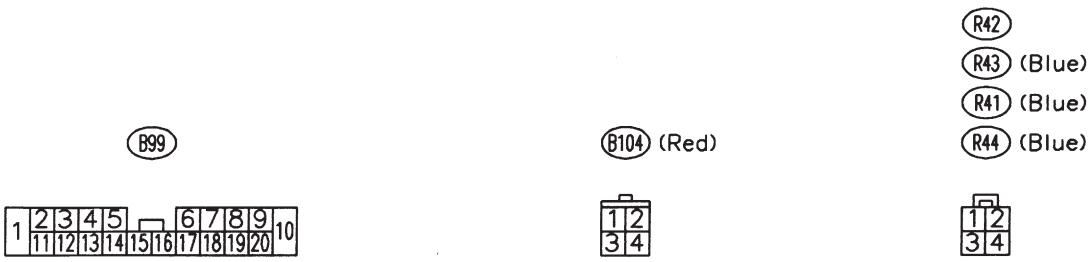
SU79−01

AD: SEAT BELT WARNING AND KEY WARNING SYSTEM



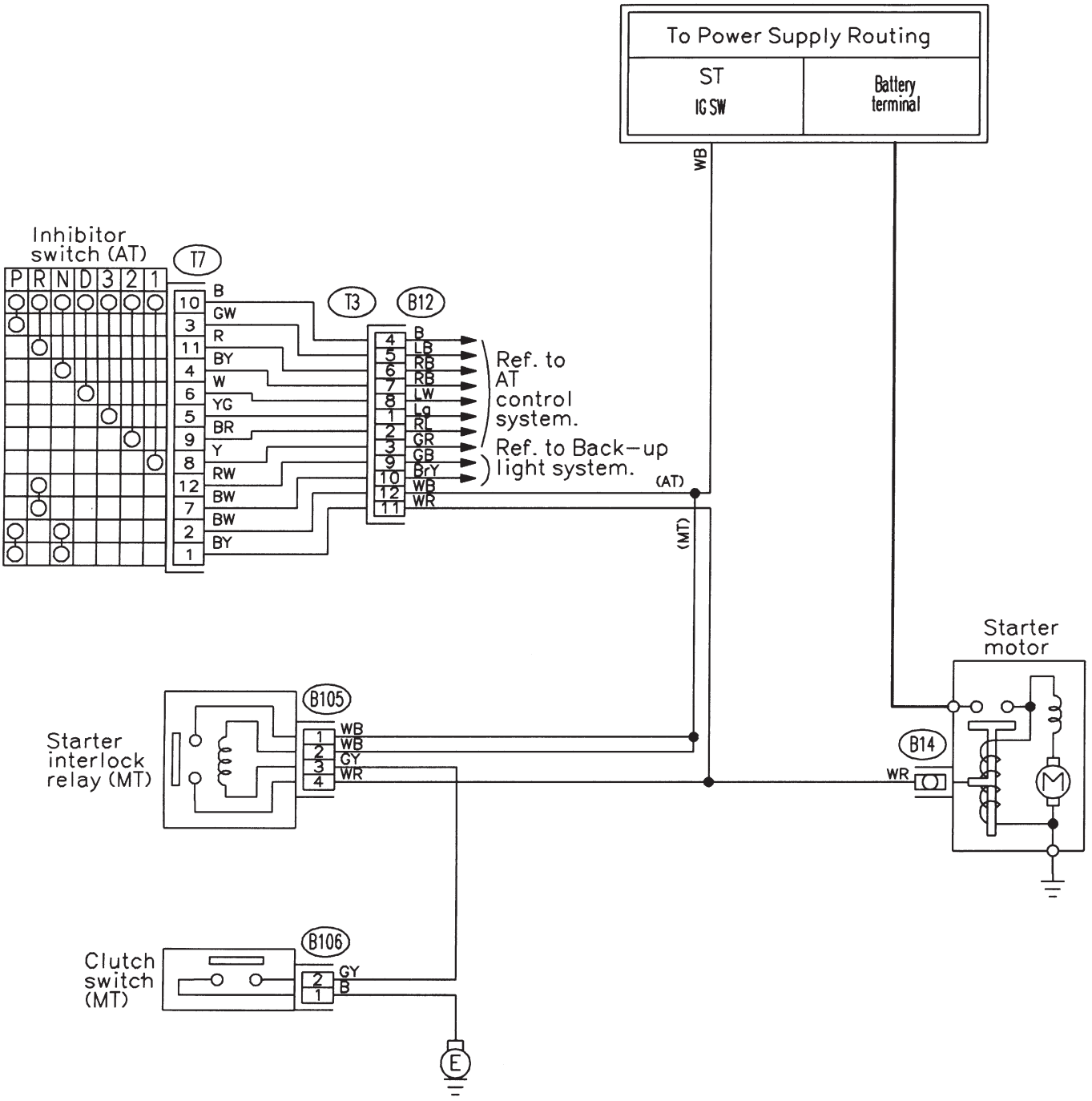
AE: SEAT HEATER SYSTEM

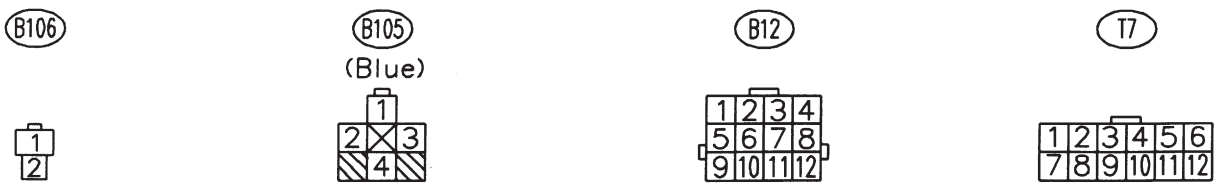




SU84−01

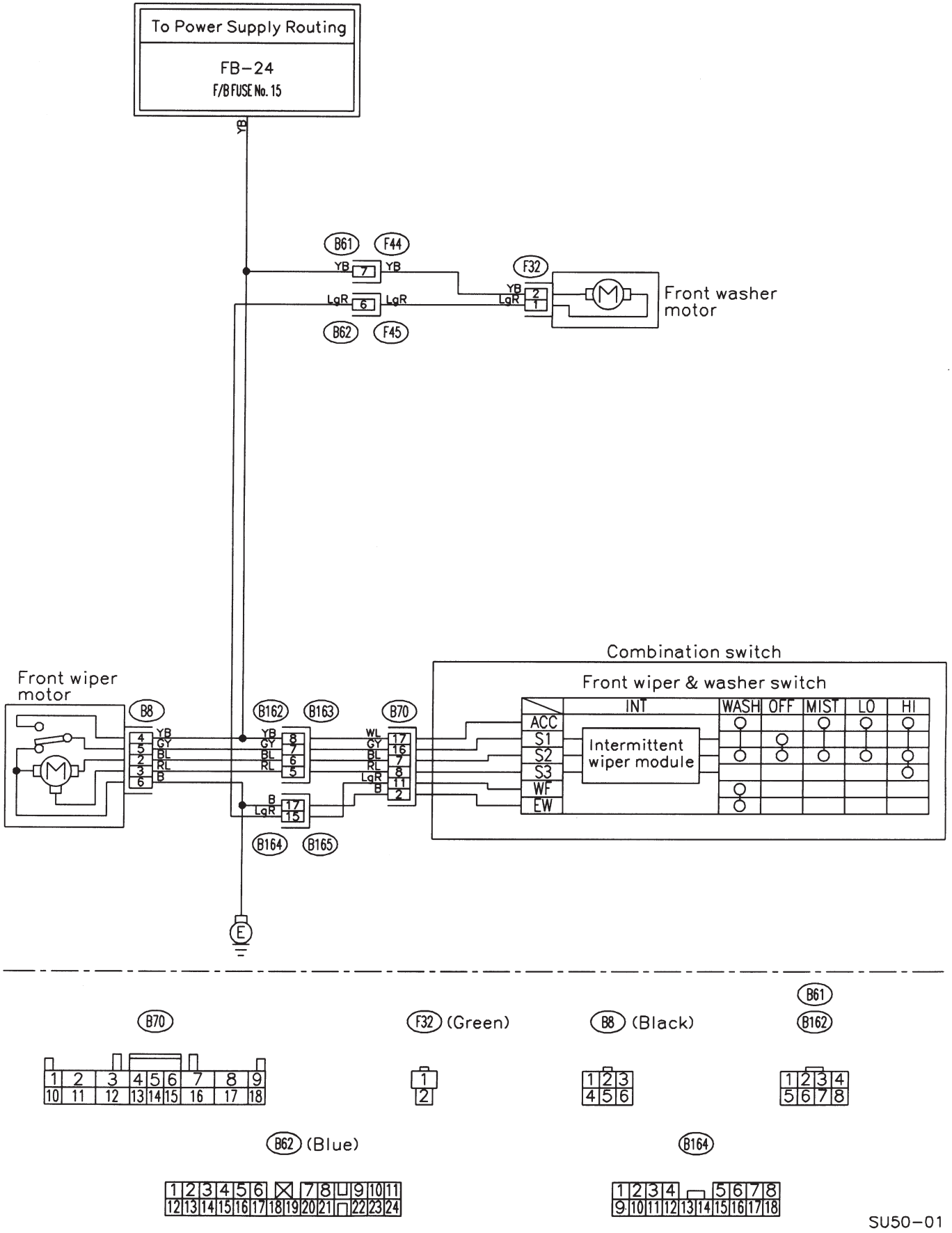
AF: STARTER SYSTEM





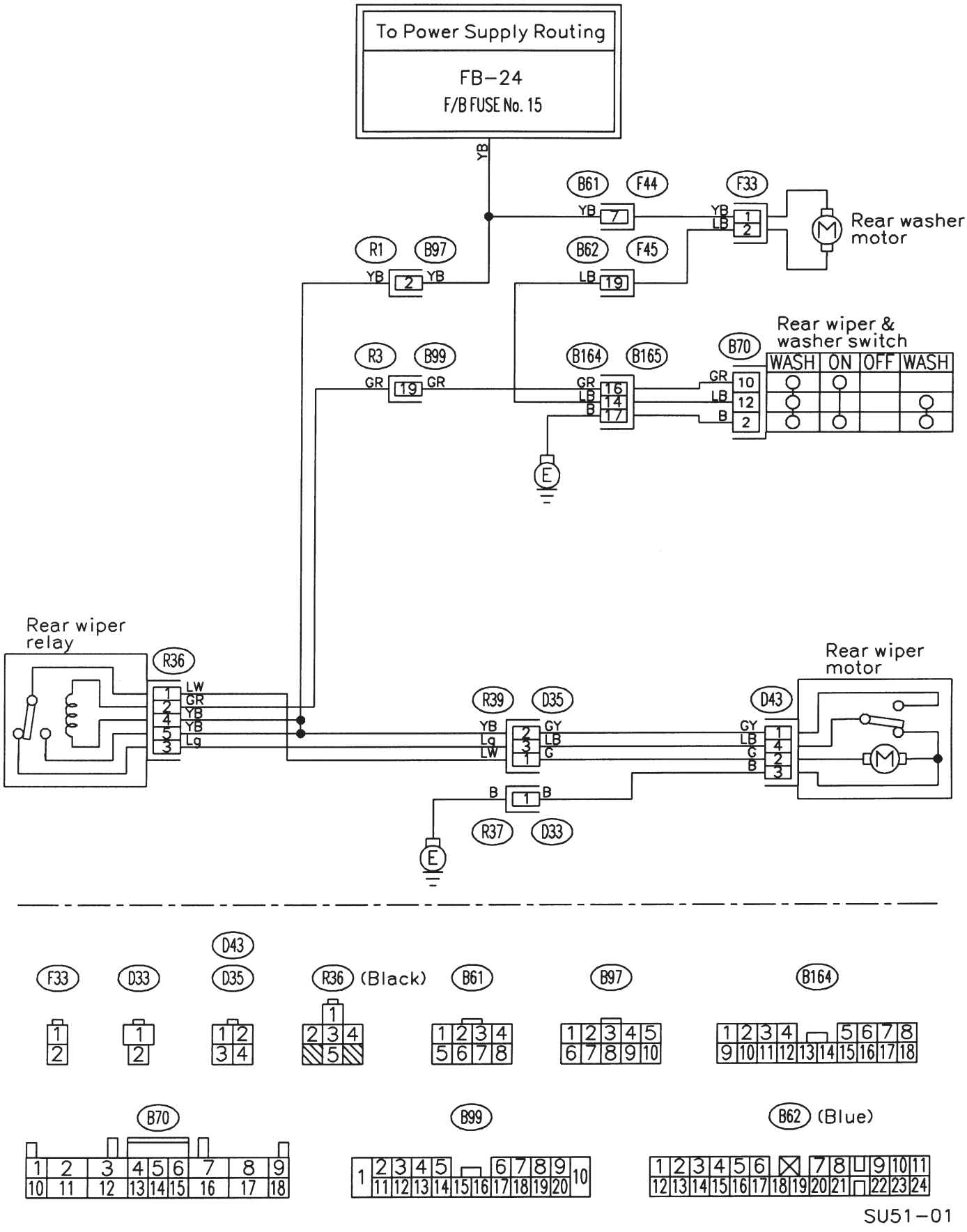
SU03-01

AG: WIPER AND WASHER SYSTEM (FRONT)



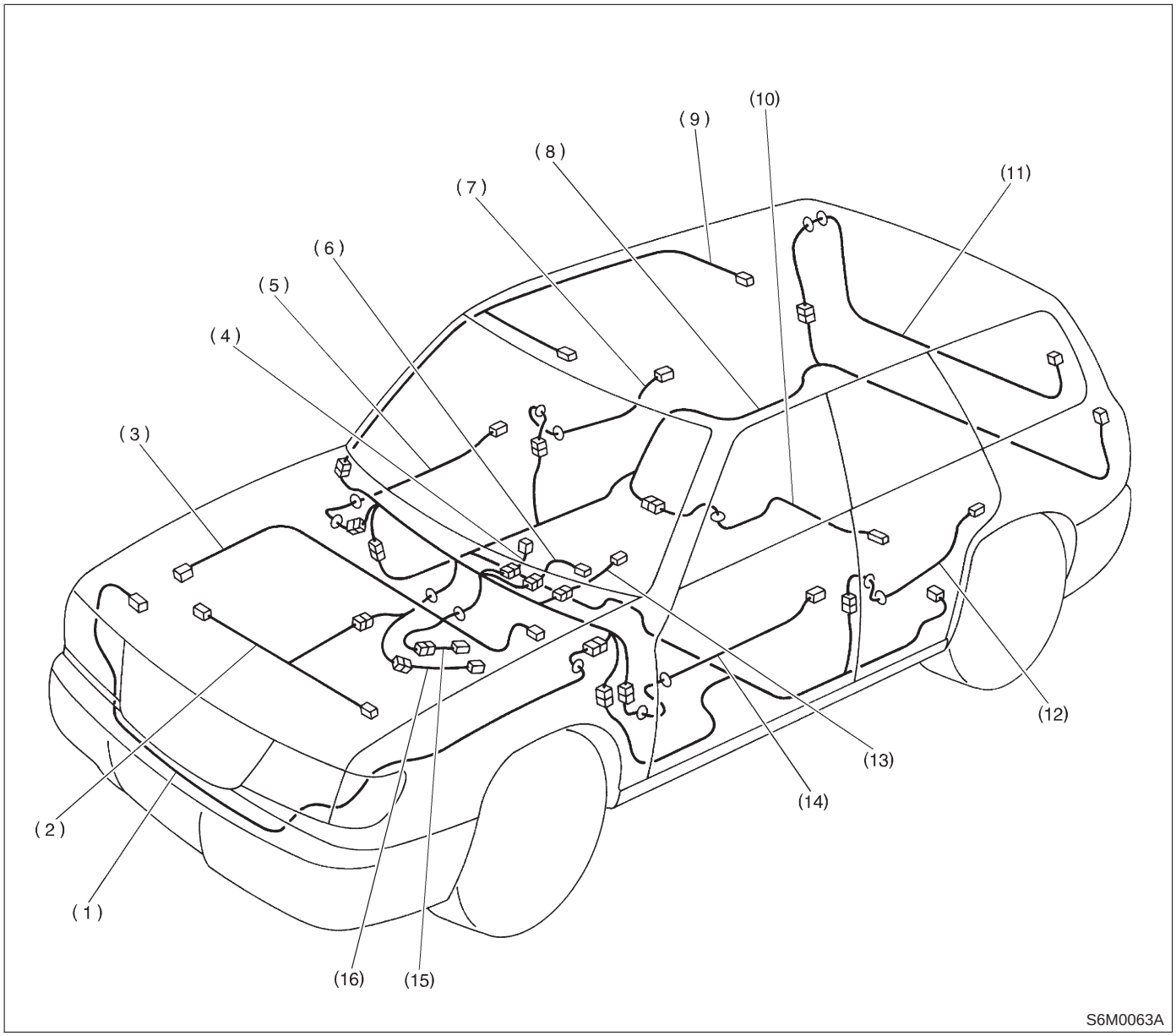
SU50−01

AH: WIPER AND WASHER SYSTEM (REAR)



6. Electrical Wiring Harness and Ground Point

A: OVERALL LOCATION



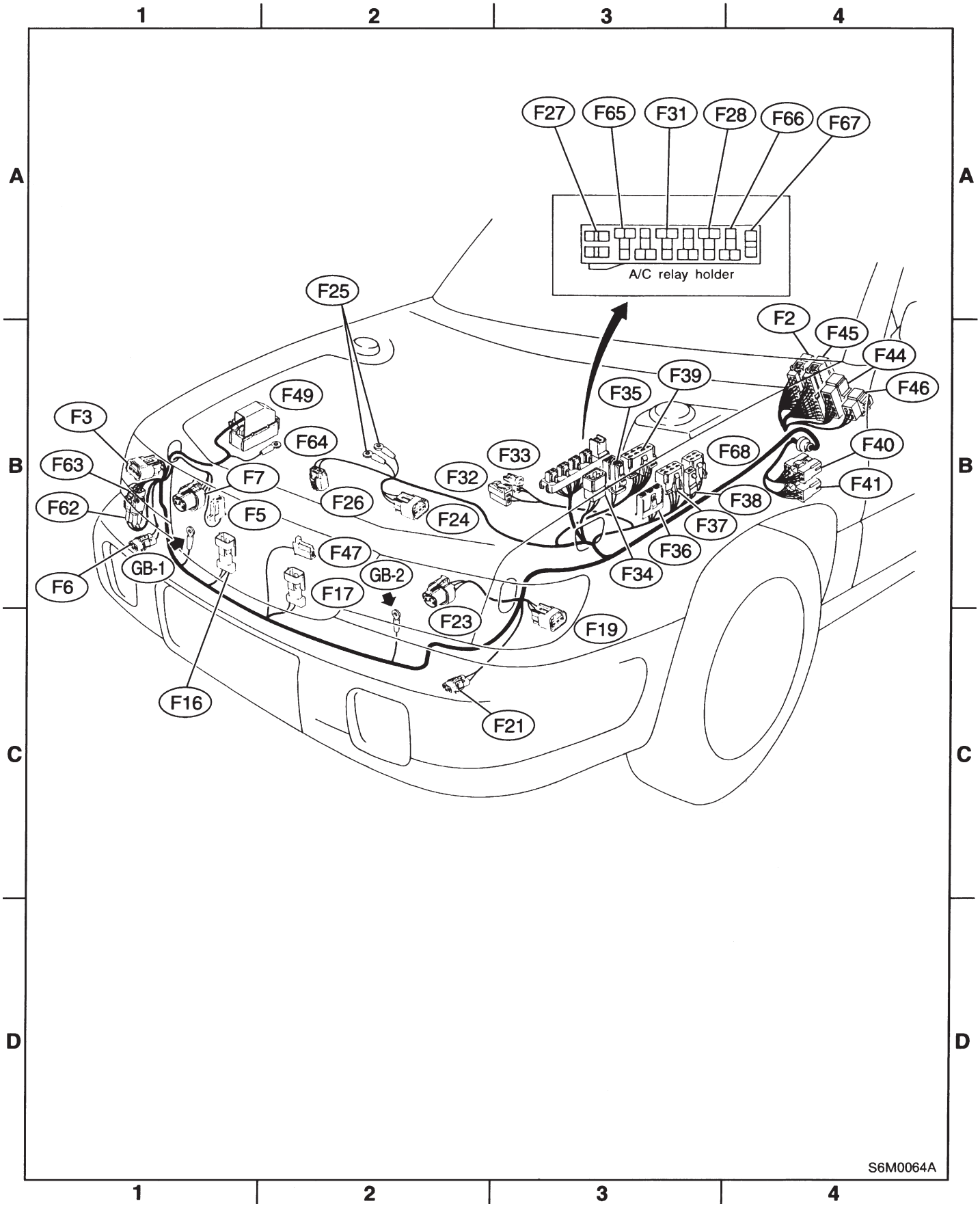
(1) Front wiring harness
(2) Engine wiring harness
(3) Bulkhead wiring harness
(4) Instrument panel center harness
(5) Front door cord RH
(6) Instrument panel meter harness
(7) Rear door cord RH
(8) Rear wiring harness
(9) Roof cord
(10) Fuel tank cord
(11) Rear gate cord
(12) Rear door cord LH
(13) Combination switch cord
(14) Front door cord LH
(15) Transmission cord
(16) Rear oxygen sensor cord

B: FRONT WIRING HARNESS

1. LIST OF ITEMS

Connector				Connecting to	
No.	Pole	Color	Area	No.	Name
F2	24	Black	B-4	B100	Bulkhead wiring harness (ABS)
F3	3	Gray	B-1		Front turn signal light & clearance light RH
F5	1	★	B-1		Horn
F6	2	Black	B-1		Front fog light RH
F7	3	★	B-1		Headlight RH
F16	2	Black	B-1		Sub fan motor
F17	2	Black	B-2	B-2	Radiator main fan motor
F19	3	Gray	C-3		Front turn signal light & clearance light LH
F21	2	Black	C-2		Front fog light LH
F23	3	★	B-2		Headlight LH
F24	3	Gray	B-2		A/C compressor
F25	1 × 2	★	B-2		Generator
F26	2	Gray	B-2		
F27	4	★	B-3		A/C fuse (Relay holder)
F28	4	★	B-3		A/C sub fan relay (Relay holder)
F31	4	★	B-3		A/C relay (Relay holder)
F32	2	Green	B-3		Front washer motor
F33	2	★	B-3		Rear washer motor
F34	4	★	B-3		SBF holder
F35	2	Black	B-3		M/B
F36	3	★	B-3		
F37	6	Black	B-3		
F38	1	★	B-3		
F39	8	Black	B-3		
F40	9	Brown	B-4		F/B
F41	7	Gray	B-4		
F44	8	★	B-4	B61	Bulkhead wiring harness
F45	24	Blue	B-4	B62	
F46	4	★	B-4	B108	
F47	1	★	B-2		Horn
F49	31	★	B-2		ABS control module
F62	6	★	B-1	F63	Shield joint connector (ABS)
F63	6	★	B-1	F62	
F64	1	★	B-2		ABS motor ground
F65	4	★	B-3		Front fog light relay (Relay holder)
F66	4	★	B-3		Radiator main fan relay (Relay holder)
F67	2	★	B-3		FWD switch (Relay holder)
F68	4	Black	B-3		M/B
★: Non-colored					

2. LOCATION


1
2
3
4
A
B
C
D
F27
F65
F31
F28
F66
F67
A/C relay holder
F25
F2
F45
F44
F39
F46
F35
F49
F3
F64
F33
F40
F63
F7
F32
F68
F41
F62
F5
F26
F24
F38
F37
F47
F36
GB-1
F34
F6
GB-2
F17
F23
F19
F16
F21
S6M0064A

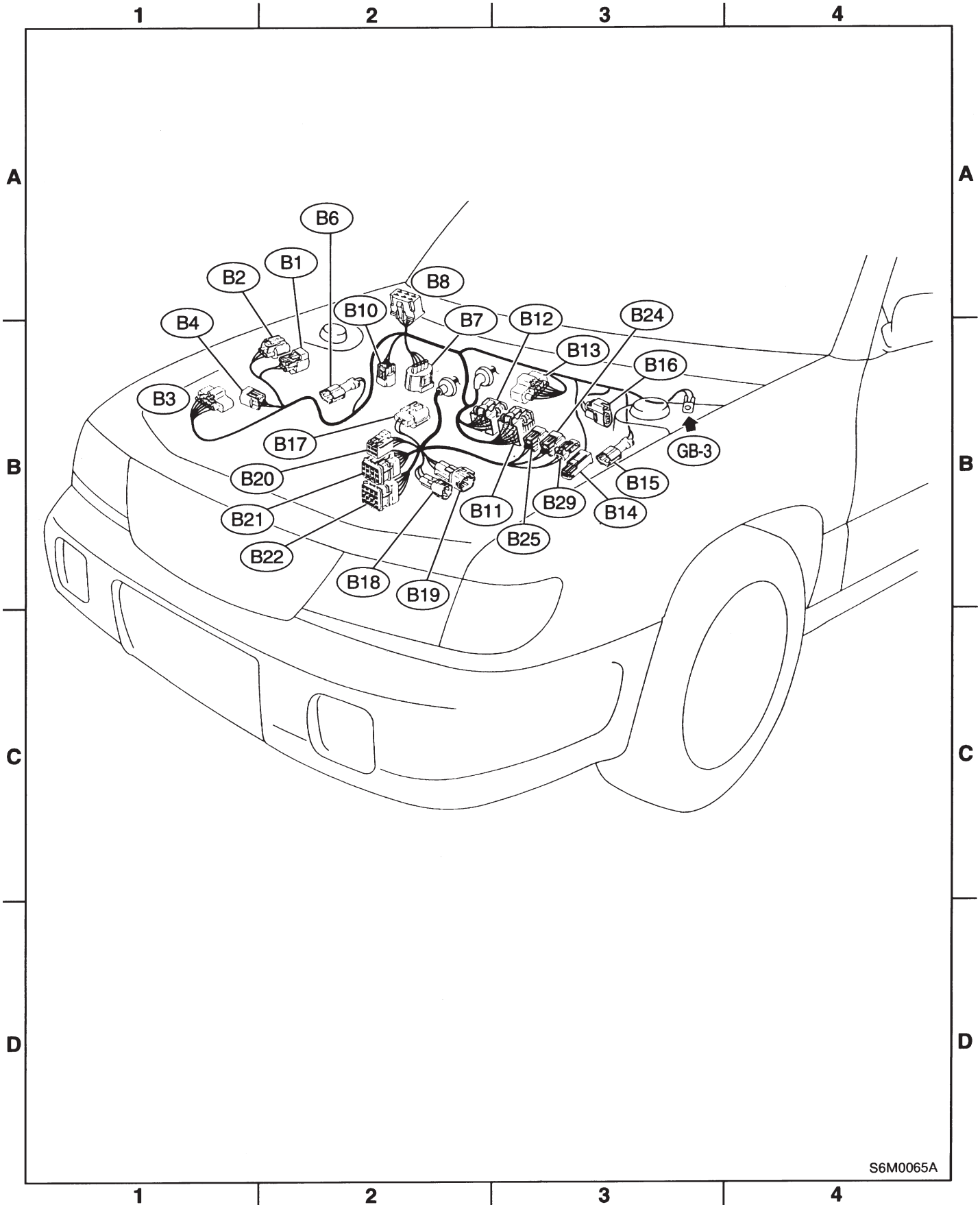
C: BULKHEAD WIRING HARNESS (IN ENGINE ROOM)

1. LIST OF ITEMS

Connector				Connecting to	
No.	Pole	Color	Area	No.	Name
B1	2	★	B-2		Pressure source switching solenoid
B2	3	★	B-2		Pressure sensor
B3	5	★	B-1		Mass air flow sensor
B4	2	Gray	B-1		AT dropping resistor
B6	2	Brown	B-2		ABS front sensor RH
B7	4	Gray	B-2		Cruise control actuator
B8	6	Black	A-2		Front wiper motor
B10	2	Gray	B-2		A/C pressure switch
B11	16	★	B-3	T4	Transmission (AT)
B12	12	★	B-3	T3	
B13	6	★	B-3		Ignitor
B14	1	★	B-3		Starter (Magnet)
B15	2	Brown	B-3		ABS front sensor LH
B16	2	Gray	B-3		Brake fluid level switch
B17	2	★	B-2		Vehicle speed sensor 2
B18	3	★	B-2		Front oxygen sensor
B19	4	★	B-2	T5	Rear oxygen sensor cord
B20	6	★	B-2	E1	Engine wiring harness
B21	12	★	B-2	E2	Engine wiring harness
B22	16	★	B-2	E3	Engine wiring harness
B24	2	Gray	B-3	T1	Back-up light switch (MT)
B25	2	Brown	B-3	T2	Neutral position switch (MT)
B29	2	Gray	B-3	T8	Lo (AWD) indicator light switch

★: Non-colored

2. LOCATION


1
2
3
4
A
B
C
D
B6
B1
B2
B8
B10
B4
B7
B12
B24
B13
B16
B3
B17
GB-3
B20
B15
B21
B11
B29
B14
B25
B22
B18
B19
S6M0065A

D: BULKHEAD WIRING HARNESS (IN COMPARTMENT)

1. LIST OF ITEMS

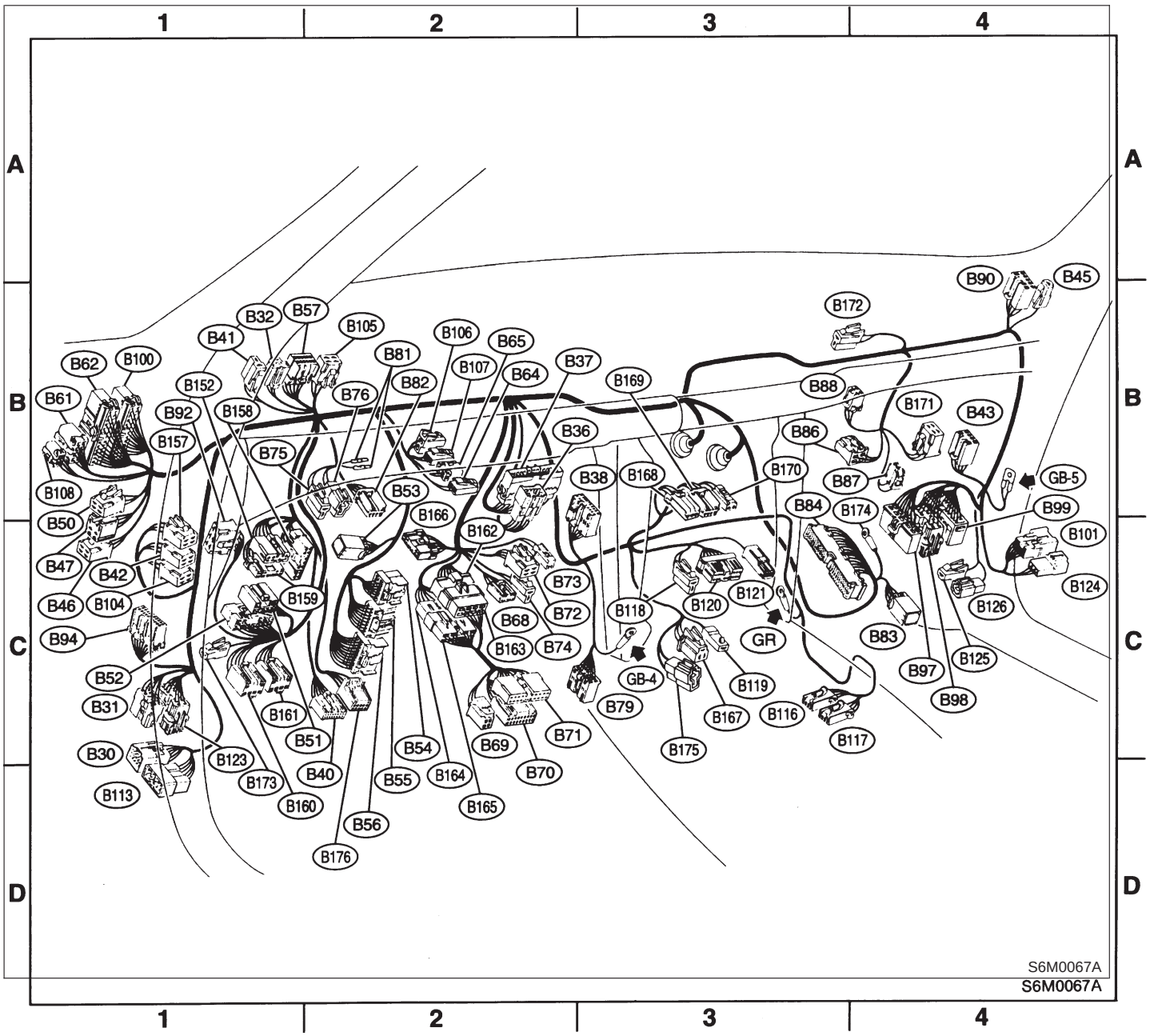
Connector				Connecting to	
No.	Pole	Color	Area	No.	Name
B30	13	★	C-1	D1	Front door cord LH
B31	7	Yellow	C-1	AB1	SRS (Airbag) harness
B32	3	Black	B-1		Turn & hazard module
B36	8	★	B-2	i1	Instrument panel meter harness
B37	24	Blue	B-2	i2	
B38	16	★	B-3	i3	Instrument panel center harness
B40	16	★	C-2		OBD-II service connector
B41	2	★	B-1		Power window circuit breaker
B42	4	Blue	C-1		Power window relay
B43	6	Black	B-4		Illumination control module
B46	4	Green	C-1		Fuel pump relay
B47	6	Brown	C-1		Main relay
B50	4	★	B-1		Blower relay
B51	8	Blue	C-1		F/B
B52	12	Blue	C-1		
B53	6	★	C-2		Shield joint connector (AT)
B54	12	Black	C-2		Transmission control module
B55	16	Black	C-2		
B56	20	Black	C-2		
B57	12	★	B-1		Shift lock control module
B61	8	★	B-1	F44	Front wiring harness
B62	24	Blue	B-1	F45	
B64	2	Black	B-2		Stop light switch
B65	4	Black	B-2		Stop & brake switch (With cruise control)
B68	5	Black	C-2		Cruise control sub switch
B69	4	★	C-2		Combination switch
B70	18	★	C-2		
B71	17	★	C-2		
B72	4	Blue	C-2		Ignition switch
B73	2	★	C-2		Key lock solenoid (AT)
B74	2	Black	C-2		Key warning switch
B75	2	Green	B-2	B76	Test mode connector
B76	2	Green	B-2	B75	
B79	14	Gray	C-3		Check connector
B81	1 × 2	★	B-2		Diagnosis terminal (Ground)
B82	6	Black	B-2		Diagnosis connector
B83	6	★	C-4		Shield joint connector (E/G)
B84	96	Light blue	C-3		Engine control module

Connector				Connecting to	
No.	Pole	Color	Area	No.	Name
B86	4	★	B-3		Blower motor resistor
B87	2	★	B-4		Blower motor
B88	4	Brown	B-3		Evaporator thermoswitch
B90	8	★	B-4	R50	Roof cord
B92	6	★	C-1		Door lock timer
B94	20	★	C-1		Cruise control module
B97	10	Blue	C-4	R1	Rear wiring harness
B98	12	Black	C-4	R2	
B99	20	★	C-4	R3	
B100	24	Black	B-1	F2	Front wiring harness (With ABS model)
B101	13	★	C-4	D11	Front door cord RH
B104	4	Red	C-1		Seat heater/rear accessory power supply relay
B105	4	Blue	B-2		Starter interlock relay (MT)
B106	2	★	B-2		Clutch switch (MT)
B107	2	Blue	B-2		Clutch switch (Cruise control)
B108	4	★	B-1	F46	Front wiring harness
B113	9	★	D-1	D50	Front door cord LH
B116	4	Black	C-3		Select lever illumination light (AT)
B117	4	★	C-3		Parking position switch & shift lock solenoid (AT)
B118	2	★	C-3		CD player illumination light
B119	1	★	C-3		Front accessory power supply (Power)
B120	14	★	C-3		Radio
B121	1	★	C-3		Audio ground
B123	12	★	C-1	R48	Rear wiring harness (ABS)
B124	3	★	C-4	D53	Front door cord RH
B125	1	Green	C-4	B126	Test mode connector
B126	1	Green	C-4	B125	
B152	7	★	C-1		F/B
B157	4	Red	C-1		Ignition relay
B158	12	★	C-1		F/B
B159	10	Gray	C-1		F/B
B160	6	Gray	C-1		Front fog light switch
B161	6	Brown	C-1		Cruise control main switch
B162	8	★	C-2	B163	Combination switch cord

Connector				Connecting to	
No.	Pole	Color	Area	No.	Name
B163	8	★	C-2	B162	Bulkhead wiring harness
B164	18	★	C-2	B165	Combination switch cord
B165	18	★	C-2	B164	Bulkhead wiring harness
B166	10	★	C-2		Key warning module
B167	3	★	C-3		Front accessory power supply (Ground)
B168	3	★	B-3		A/C switch
B169	6	★	B-3		Blower fan switch
B170	2	★	B-3		Mode control panel illumination light

Connector				Connecting to	
No.	Pole	Color	Area	No.	Name
B171	4	★	B-4		Mirror heater relay
B172	2	★	B-3		Mirror heater condenser
B173	1	★	C-1		IG power supply connector
B174	1	★	C-4		Engine control ground
B175	2	★	C-3		Ash tray illumination light
B176	10	★	C-2		Keyless entry connector (OP)
★: Non-colored					

2. LOCATION



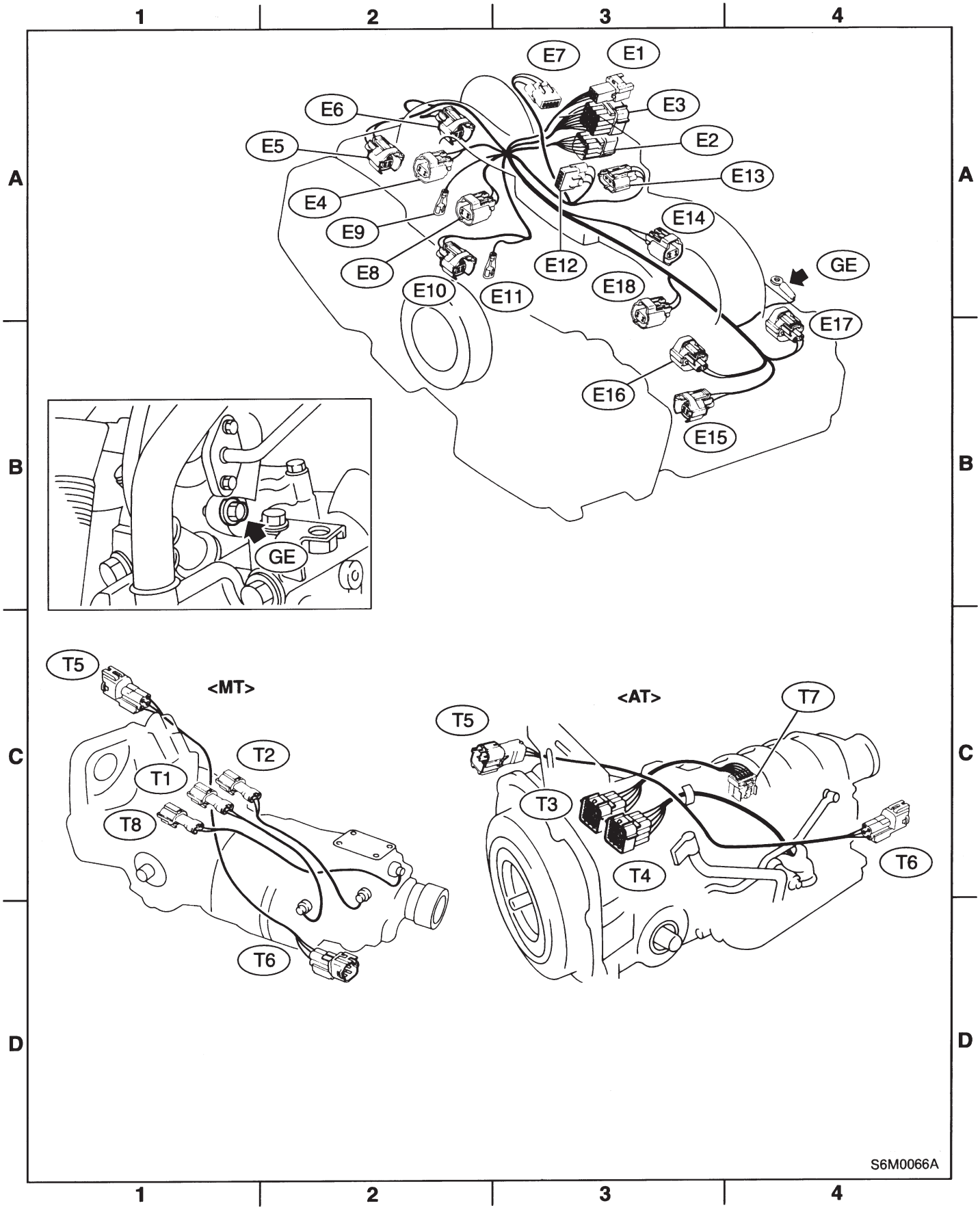
E: ENGINE WIRING HARNESS AND TRANSMISSION CORD

1. LIST OF ITEMS

Connector				Connecting to	
No.	Pole	Color	Area	No.	Name
E1	6	★	A-3	B20	Bulkhead wiring harness
E2	12	★	A-3	B21	
E3	16	★	A-3	B22	
E4	2	Blue	A-2		Purge control solenoid valve
E5	2	Light gray	A-2		Injector #1
E6	2	Dark gray	A-2		Injector #3
E7	3	Gray	A-3		Idle air control solenoid valve
E8	2	Brown	A-2		Engine coolant temperature sensor
E9	1	★	A-2		Thermometer
E10	2	Gray	A-2		Crankshaft position sensor
E11	1	★	A-3		Oil pressure switch
E12	3	Gray	A-3		Ignition coil
E13	3	Brown	A-3		Throttle position sensor
E14	2	Gray	A-3		Knock sensor
E15	2	Dark gray	B-3		Camshaft position sensor
E16	2	Light gray	B-3		Injector #2
E17	2	Dark gray	B-4		Injector #4
E18	2	Brown	A-3		EGR solenoid (AT)
★: Non-colored					

Connector				Connecting to	
No.	Pole	Color	Area	No.	Name
T1	2	Gray	C-1	B24	Bulkhead wiring harness (MT)
T2	2	Brown	C-1	B25	
T3	12	★	C-3	B12	Bulkhead wiring harness (AT)
T4	16	★	C-3	B11	
T5	4	★	C-1·C-3	B19	Bulkhead wiring harness
T6	4	Gray	D-2·C-4		Rear oxygen sensor
T7	12	★	C-4		Inhibitor switch (AT)
T8	2	Gray	C-1	B29	Bulkhead wiring harness (MT)
★: Non-colored					

2. LOCATION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E6
E3
E5
E2
E13
E4
E14
E9
E12
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E8
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E11
E17
E16
E15
GE
T5
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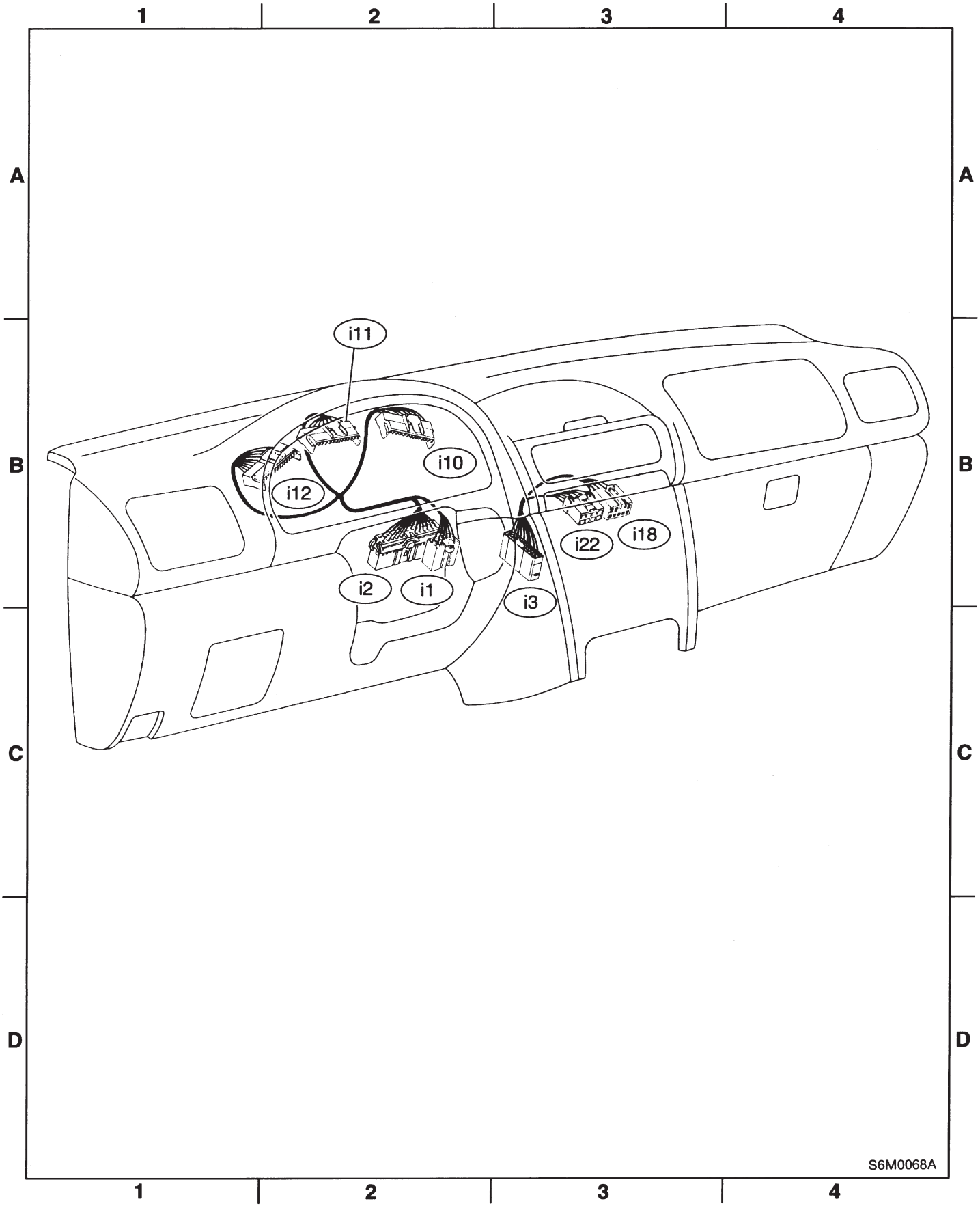
T1
T8
T6
<AT>
T7
T5
T3
T6
T4
S6M0066A

F: INSTRUMENT PANEL WIRING HARNESS

1. LIST OF ITEMS

Connector				Connecting to	
No.	Pole	Color	Area	No.	Name
i1	8	★	B-2	B36	Bulkhead wiring harness
i2	24	Blue	B-2	B37	
i3	16	★	B-3	B38	
i10	13	★	B-2		Combination meter
i11	10	★	B-2		
i12	13	★	B-2		
i18	8	★	B-3		Rear defogger switch
i22	8	★	B-3		Hazard switch
★: Non-colored					

2. LOCATION



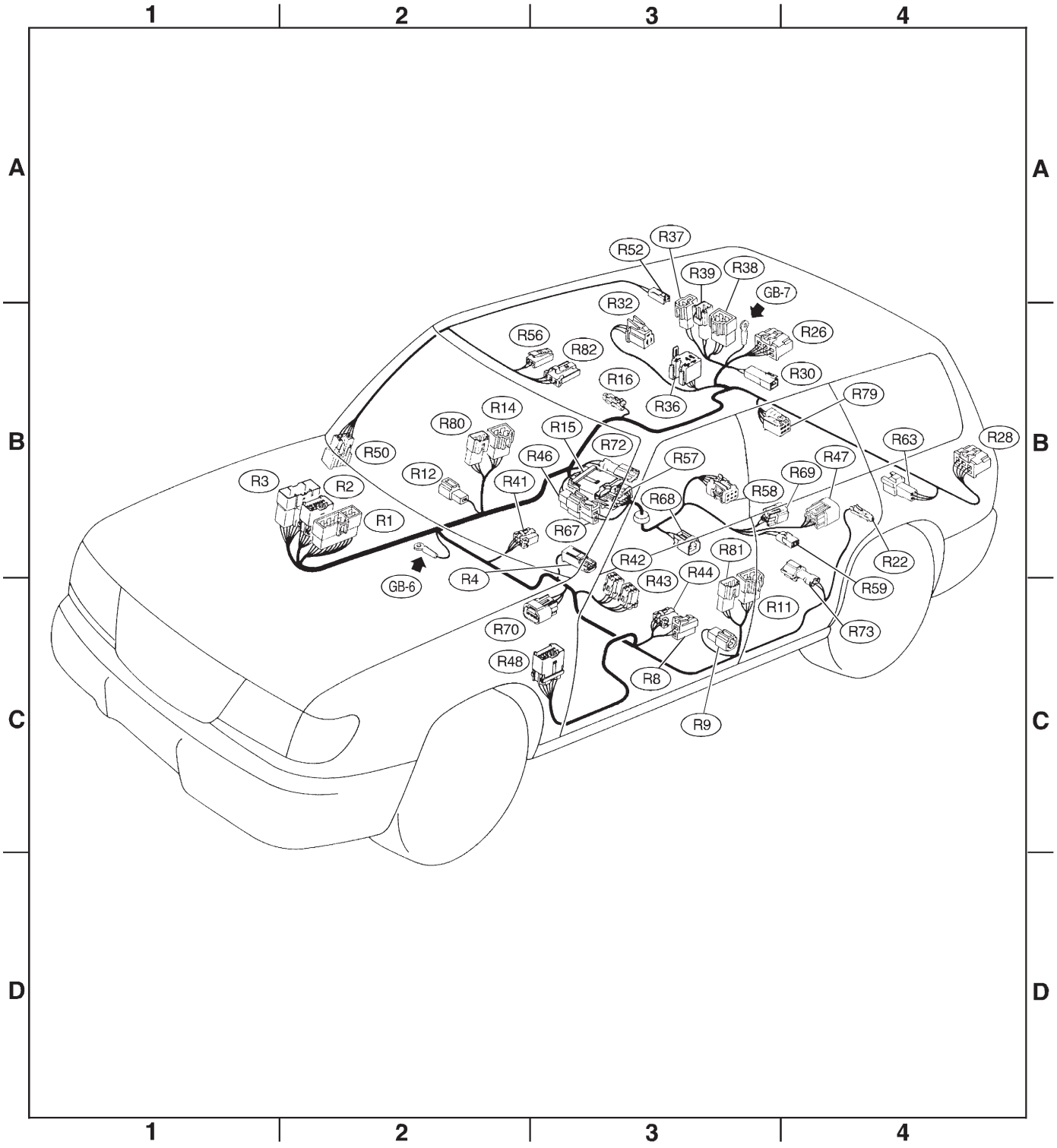
G: REAR WIRING HARNESS

1. LIST OF ITEMS

Connector				Connecting to	
No.	Pole	Color	Area	No.	Name
R1	10	Blue	B-2	B97	Bulkhead wiring harness
R2	12	Black	B-2	B98	
R3	20	★	B-2	B99	
R4	1	Black	B-3		Parking brake switch
R8	2	★	B-3		Seat belt switch
R9	1	★	B-3		Front door switch LH
R11	4	★	B-3	D21	Rear door cord LH
R12	1	★	B-2		Front door switch RH
R14	4	★	B-2	D27	Rear door cord RH
R15	12	★	B-3	R57	Fuel tank cord
R16	1	Brown	B-3		Rear door switch RH
R22	1	Brown	B-4		Rear door switch LH
R26	6	★	A-3		Rear combination light RH
R28	6	★	B-4		Rear combination light LH
R30	2	★	A-3		Diode (Luggage room light)
R32	3	★	A-3		Rear accessory power supply
R36	5	Black	A-3		Rear wiper relay
R37	2	★	A-3	D33	Rear gate cord
R38	4	★	A-3	D34	
R39	4	★	A-3	D35	
R41	4	Blue	B-2		Seat heater RH
R42	4	★	B-3		Seat heater switch RH
R43	4	Blue	B-3		Seat heater switch LH
R44	3	Blue	B-3		Seat heater LH
R46	2	★	B-3	R67	Fuel tank cord
R47	3	★	B-4		Fuel tank pressure sensor
R48	12	★	B-3	B123	Bulkhead wiring harness (ABS)
R50	8	★	B-2	B90	Bulkhead wiring harness
R52	2	★	A-3		Room light
R56	2	★	A-2		Spot light
R57	8	★	B-3	R15	Rear wiring harness
R58	6	★	B-3		Fuel gauge module & fuel pump assembly
R59	2	★	B-3		Fuel gauge sub module
R63	4	★	B-4		License plate light
R67	2	★	B-3	R46	Rear wiring harness
R68	2	★	B-3		Pressure control solenoid valve
R69	2	★	B-3		Drain valve
R70	3	★	B-2		ABS G sensor
R72	2	★	B-3		Rear ABS sensor RH
R73	2	★	B-4		Rear ABS sensor LH
R79	6	★	B-3		Trailer connector
R80	3	★	B-2	D64	Rear door cord RH
R81	3	★	B-3	D63	Rear door cord LH
R82	4	★	A-3		Clock

★: Non-colored

2. LOCATION


1
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C
D
R37
R52
R39
R38
GB-7
R32
R56
R82
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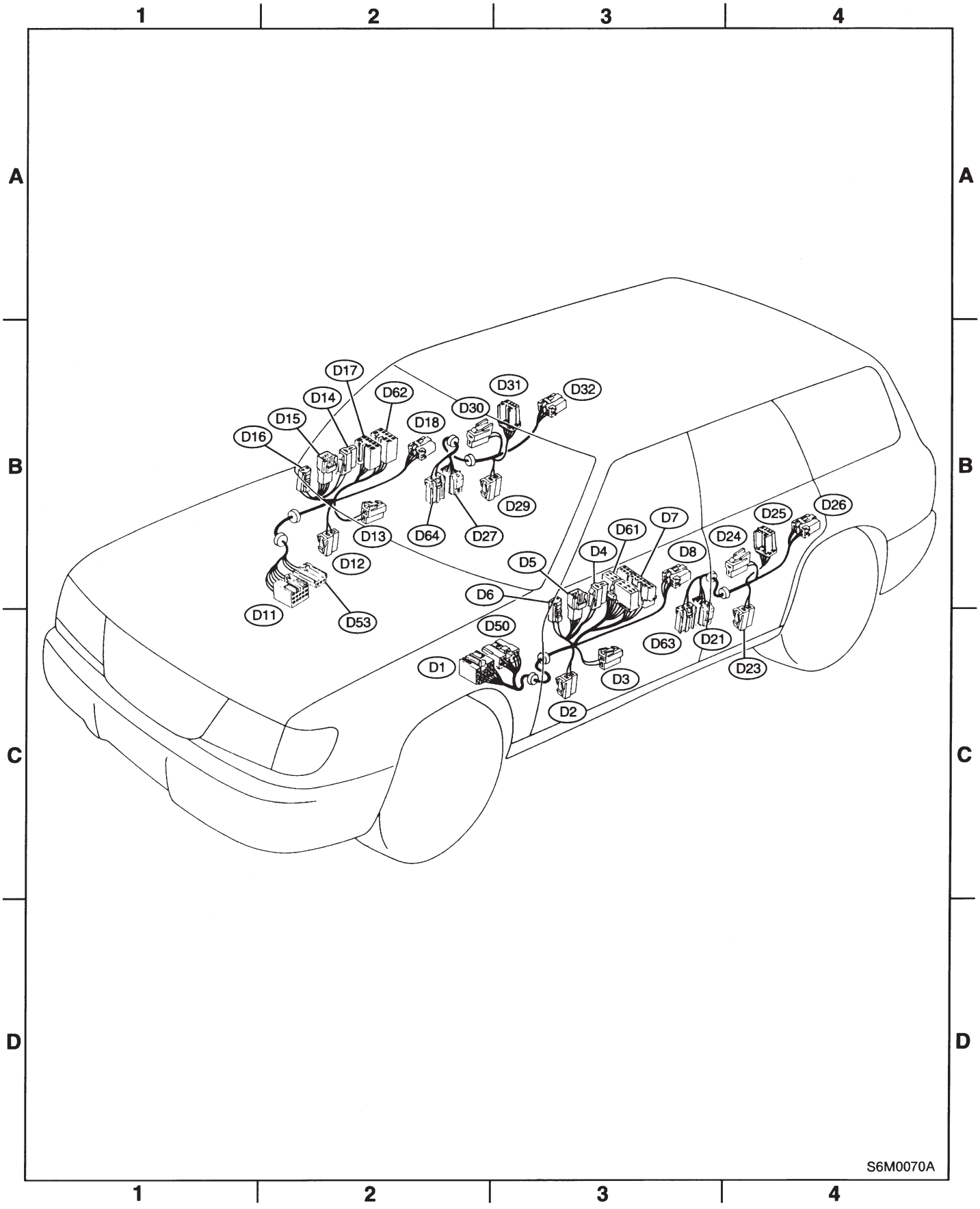
R30
R16
R36
R79
R14
R80
R15
R72
R63
R28
R50
R46
R57
R47
R12
R41
R69
R3
R2
R58
R68
R1
R67
R42
R81
R22
GB-6
R4
R43
R44
R59
R11
R70
R73
R48
R8
R9

H: DOOR CORD

1. LIST OF ITEMS

Connector				Connecting to	
No.	Pole	Color	Area	No.	Name
D1	13	★	C-2	B30	Bulkhead wiring harness
D2	2	★	C-3		Front door speaker LH
D3	2	Blue	C-3		Front power window motor LH
D4	2	Black	B-3		Front door tweeter LH
D5	6	★	B-3		Remote control rearview mirror LH
D6	2	★	B-3		Mirror heater LH
D7	16	★	B-3		Power window main switch
D8	4	★	B-3		Front door lock actuator LH
D11	13	★	B-2	B101	Bulkhead wiring harness
D12	2	★	B-2		Front door speaker RH
D13	2	Blue	B-2		Front power window motor RH
D14	2	Black	B-2		Front door tweeter RH
D15	6	★	B-2		Remote control rearview mirror RH
D16	2	★	B-2		Mirror heater RH
D17	8	★	B-2		Front power window sub switch RH
D18	4	★	B-2		Front door lock actuator RH
D21	4	★	C-3	R11	Rear wiring harness
D23	2	★	C-4		Rear door speaker LH
D24	2	Blue	B-4		Rear power window motor LH
D25	6	★	B-4		Rear power window sub switch LH
D26	4	★	B-4		Rear door lock actuator LH
D27	4	★	B-2	R14	Rear wiring harness
D29	2	★	B-3		Rear door speaker RH
D30	2	Blue	B-2		Rear power window motor RH
D31	6	★	B-3		Rear power window sub switch RH
D32	4	★	B-3		Rear door lock actuator RH
D50	9	★	C-3	B113	Bulkhead wiring harness
D53	3	★	B-2	B124	Bulkhead wiring harness
D61	10	★	B-3		Remote control rearview mirror switch
D62	8	★	B-2		Door lock switch RH
D63	3	★	C-3	R81	Rear wiring harness
D64	3	★	B-2	R80	Rear wiring harness
★: Non-colored					

2. LOCATION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D26
D50
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D63
D21
D23
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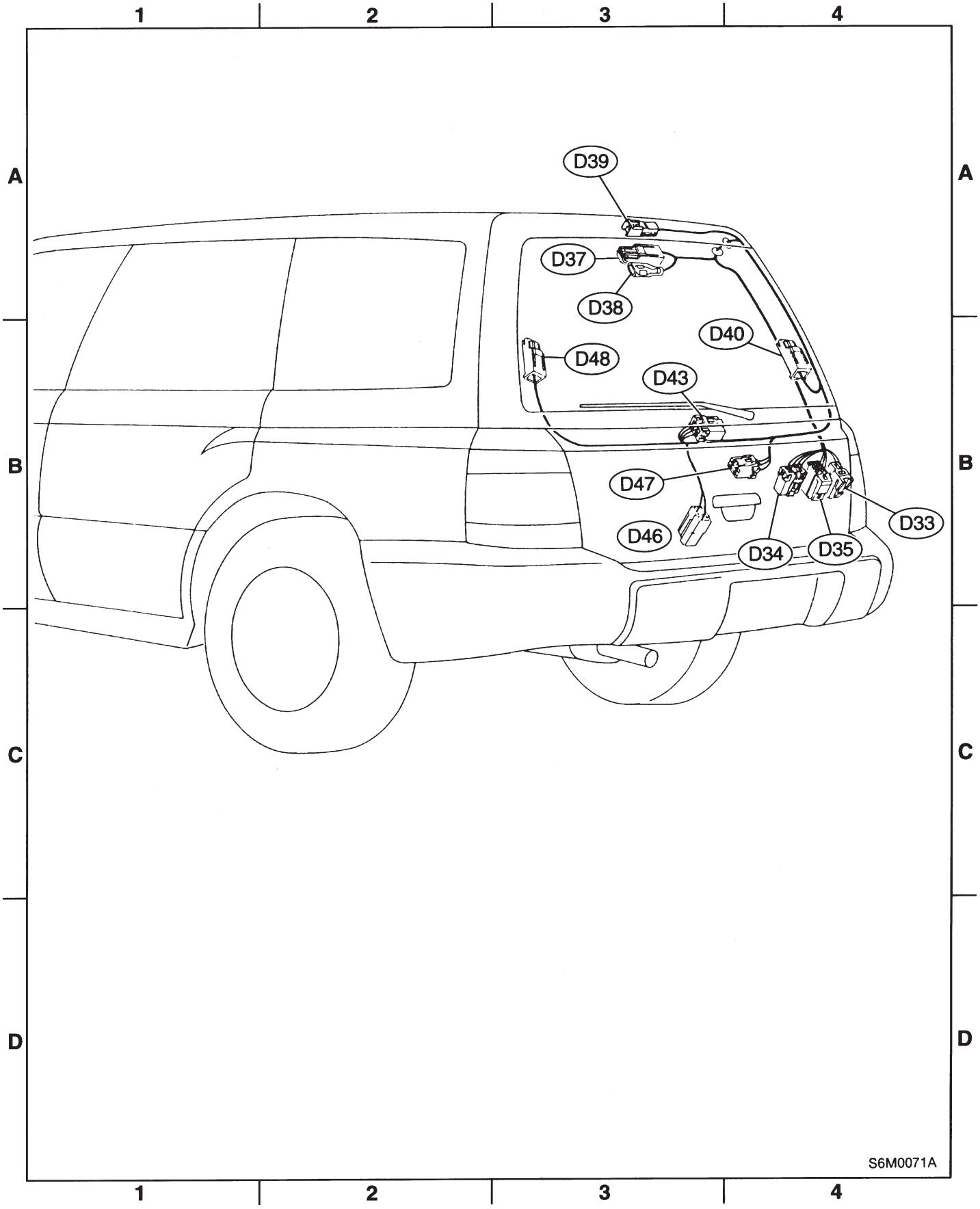
D2
S6M0070A

I: REAR GATE CORD

1. LIST OF ITEMS

Connector				Connecting to	
No.	Pole	Color	Area	No.	Name
D33	2	★	B-4	R37	Rear wiring harness
D34	4	★	B-4	R38	
D35	4	★	B-4	R39	
D37	1	★	A-3		Luggage room light (Power)
D38	1	Black	A-3		Luggage room light
D39	2	Black	A-3		High-mount stop light
D40	1	Black	B-4		Rear defogger (Power)
D43	4	★	B-3		Rear wiper motor
D46	2	Black	B-3		Rear gate latch switch
D47	4	★	B-4		Rear gate lock actuator
D48	1	Black	B-3		Rear defogger (Ground)
★: Non-colored					

2. LOCATION



1. Important Safety Notice

● 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.