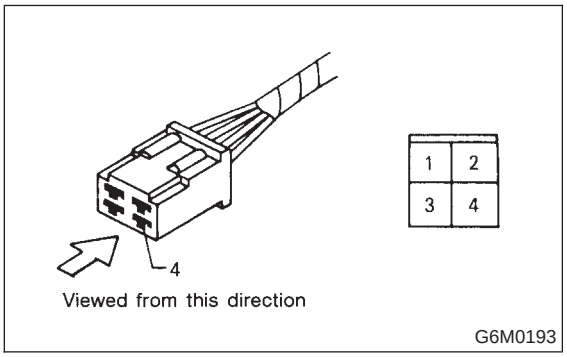
1. General Description

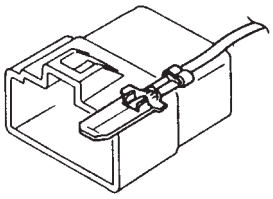
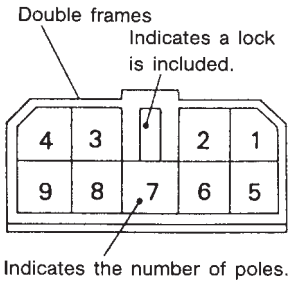
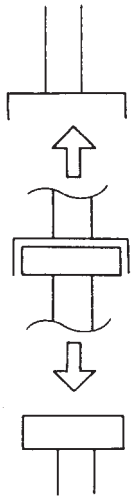
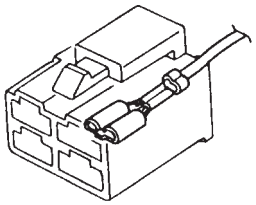
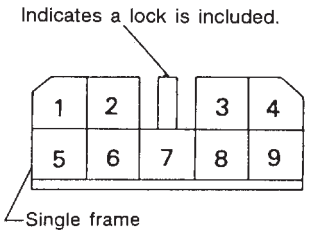
A: WIRING DIAGRAM

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:

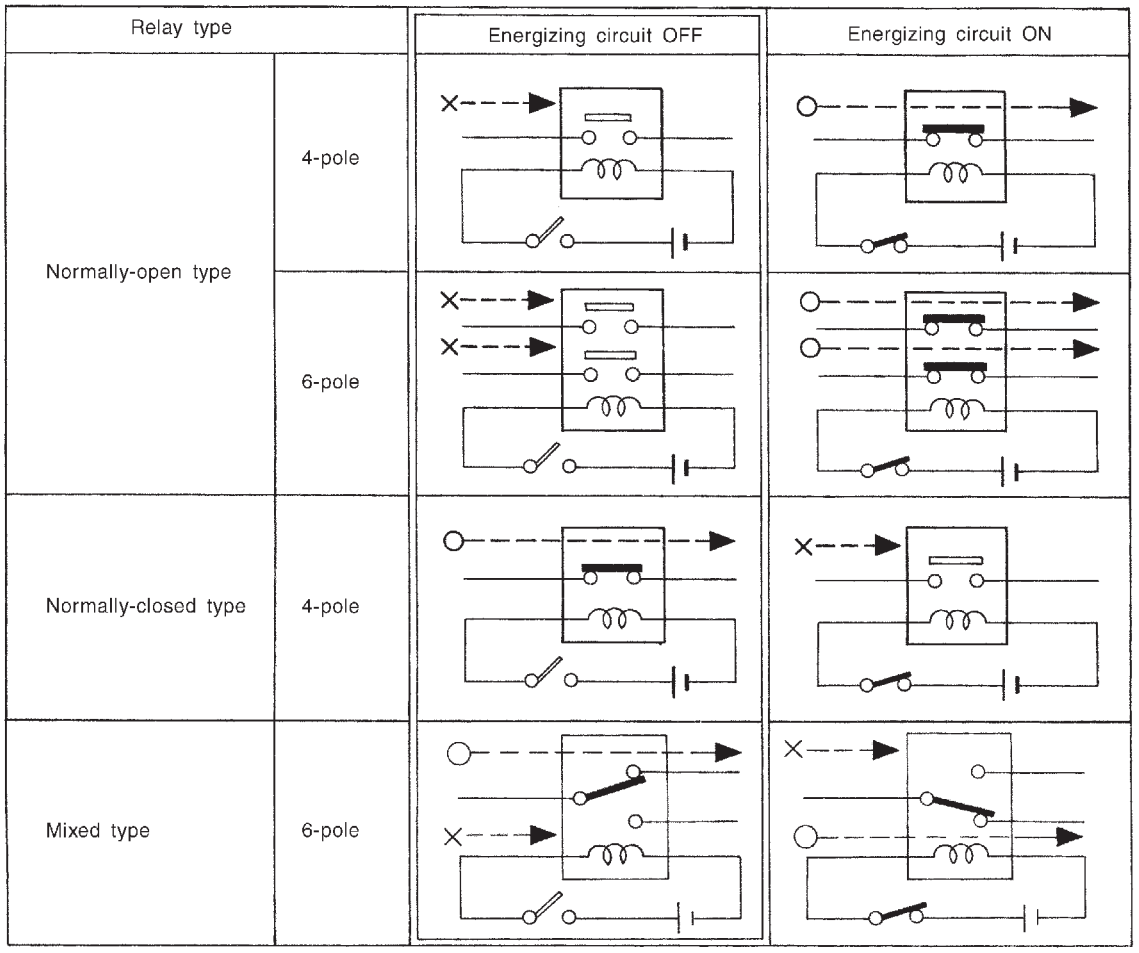
- Each connector and its terminal position are indicated by a sketch of the connector in a disconnected state which is viewed from the front.



- 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.

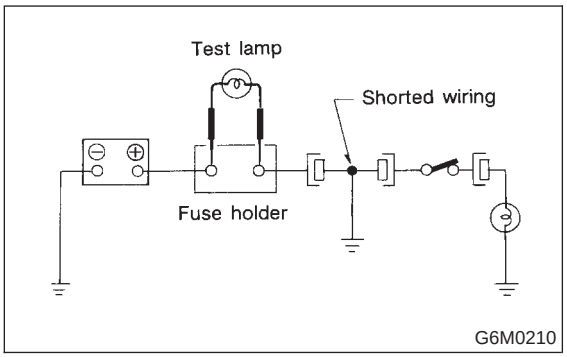
Connector used in vehicle	Connector shown in wiring diagram		
	Sketch	Symbol	Number of poles
 G6M0194	 G6M0196	 G6M0198	Numbered in order from upper right to lower left.
 G6M0195	 G6M0197		Numbered in order from upper left to lower right.

● 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.

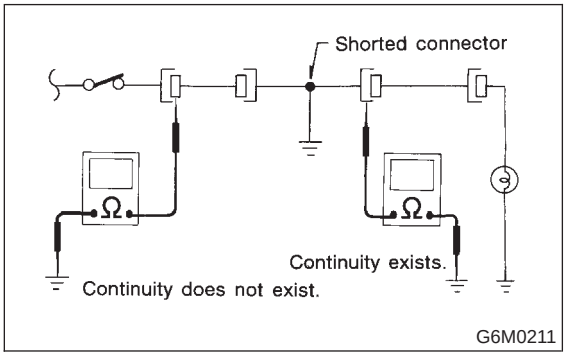


4. HOW TO DETERMINE A SHORTCIRCUIT

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.



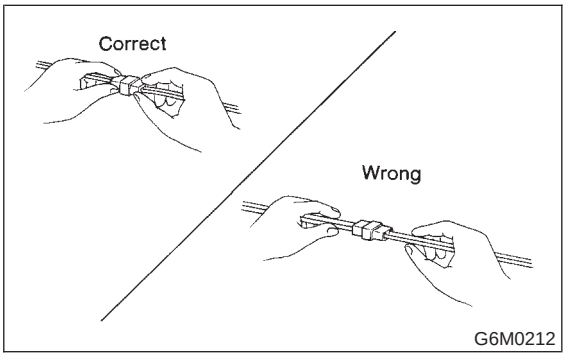
3. Working Precautions

A: PRECAUTIONS WHEN WORKING WITH THE PARTS MOUNTED ON THE VEHICLE

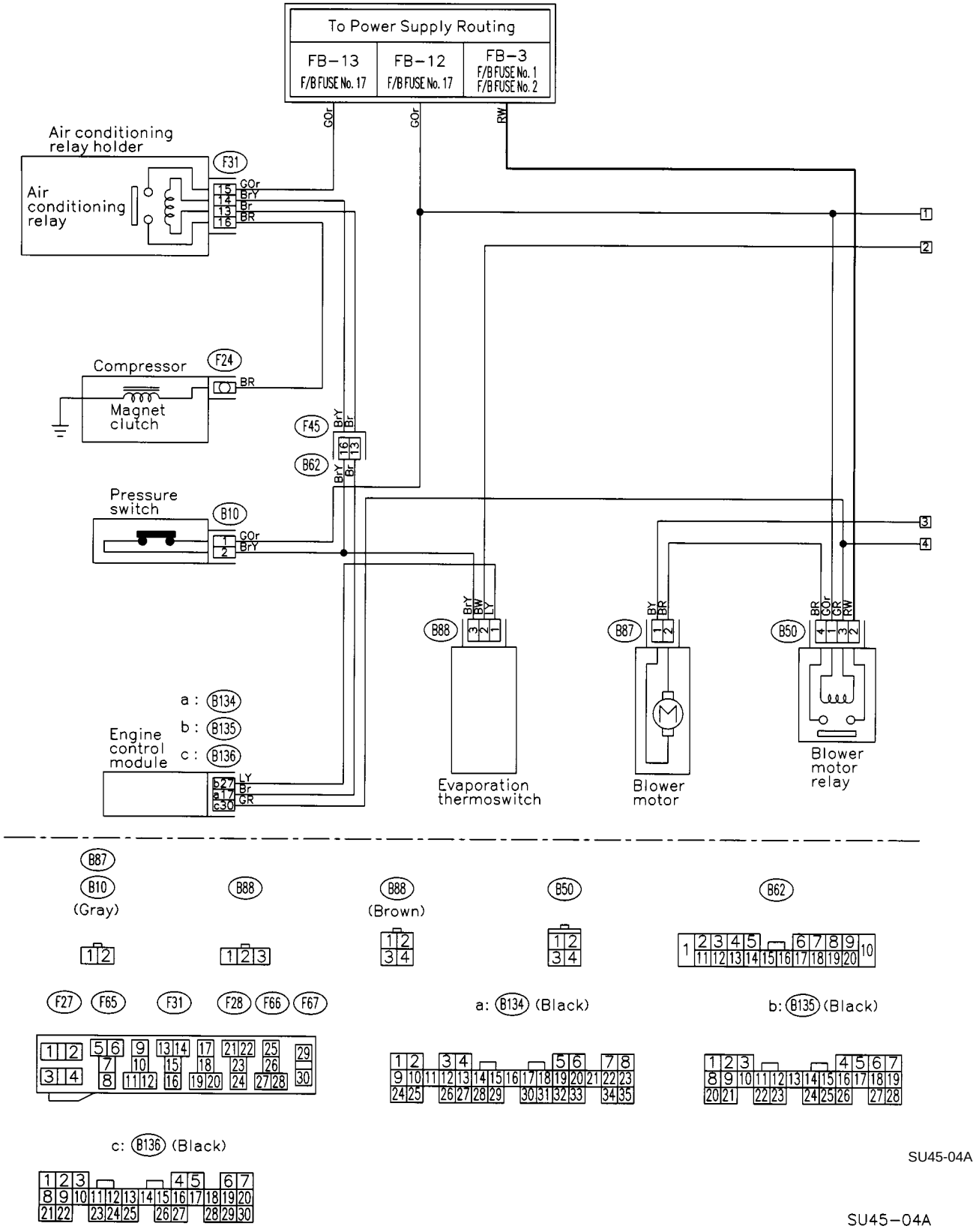
1) When working under a vehicle which is jacked-up, always be sure to use safety stands.
2) The parking brake must always be applied during working. Also, in automatic transmission vehicles, keep the select lever set to the P (Parking) range.
3) Be sure the workshop is properly ventilated when running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

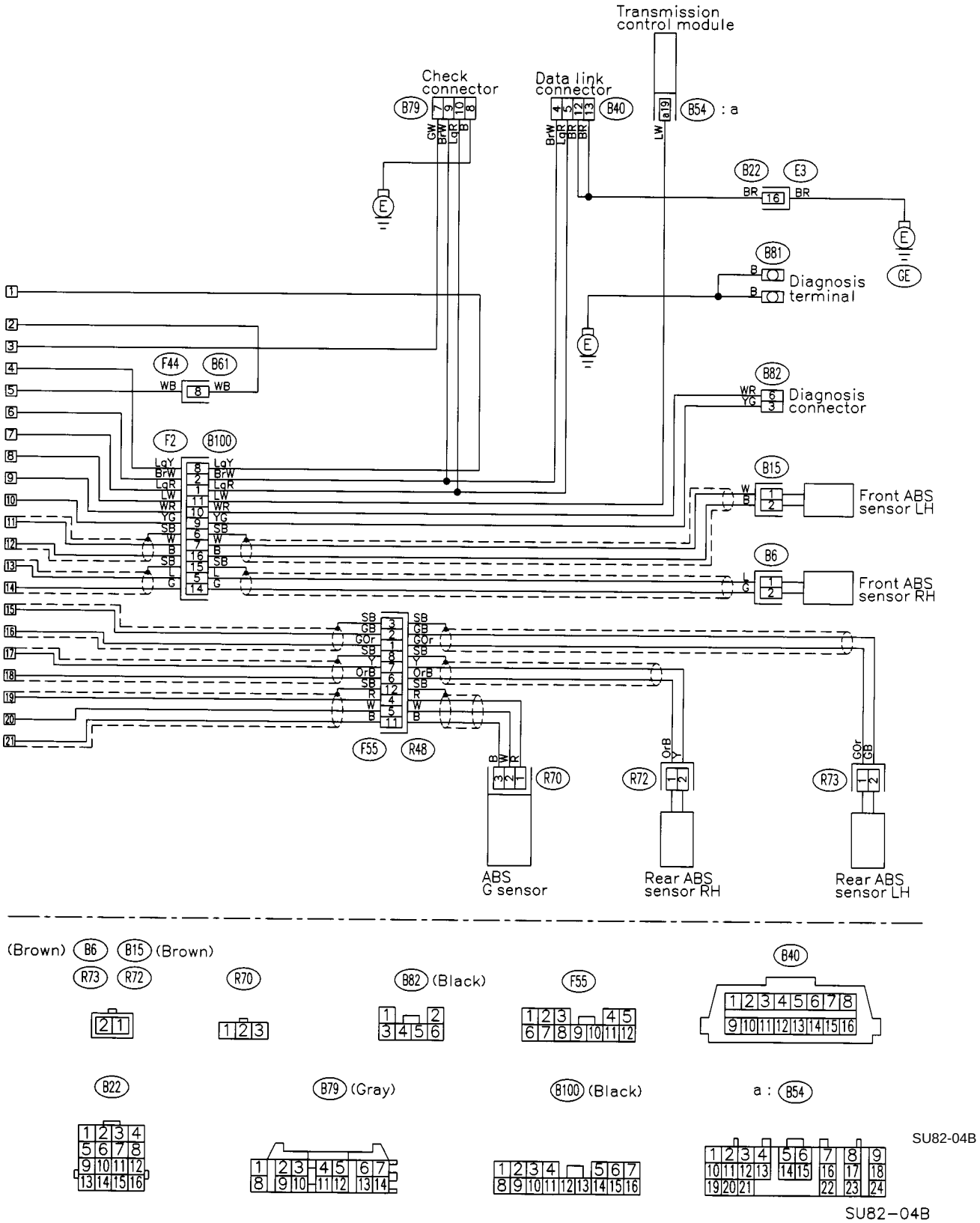
B: PRECAUTIONS IN TROUBLE DIAGNOSIS AND REPAIR OF ELECTRIC PARTS

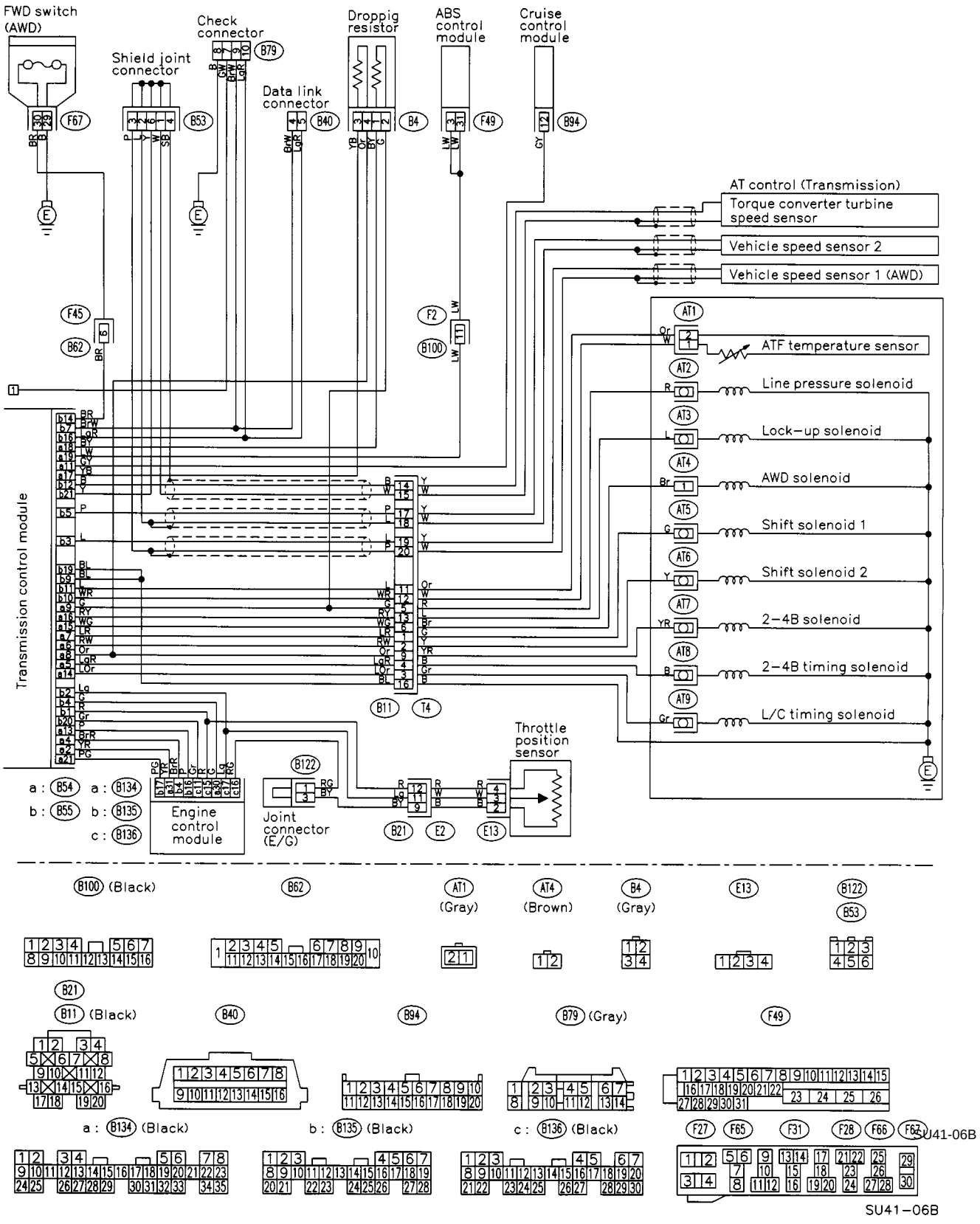
1) The battery cable must be disconnected from the battery's (−) terminal, and the ignition switch must be set to the OFF position, unless otherwise required by the diagnostics.
2) Securely fasten the wiring harness with clamps and slips so that the harness does not interfere with the body end parts 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.



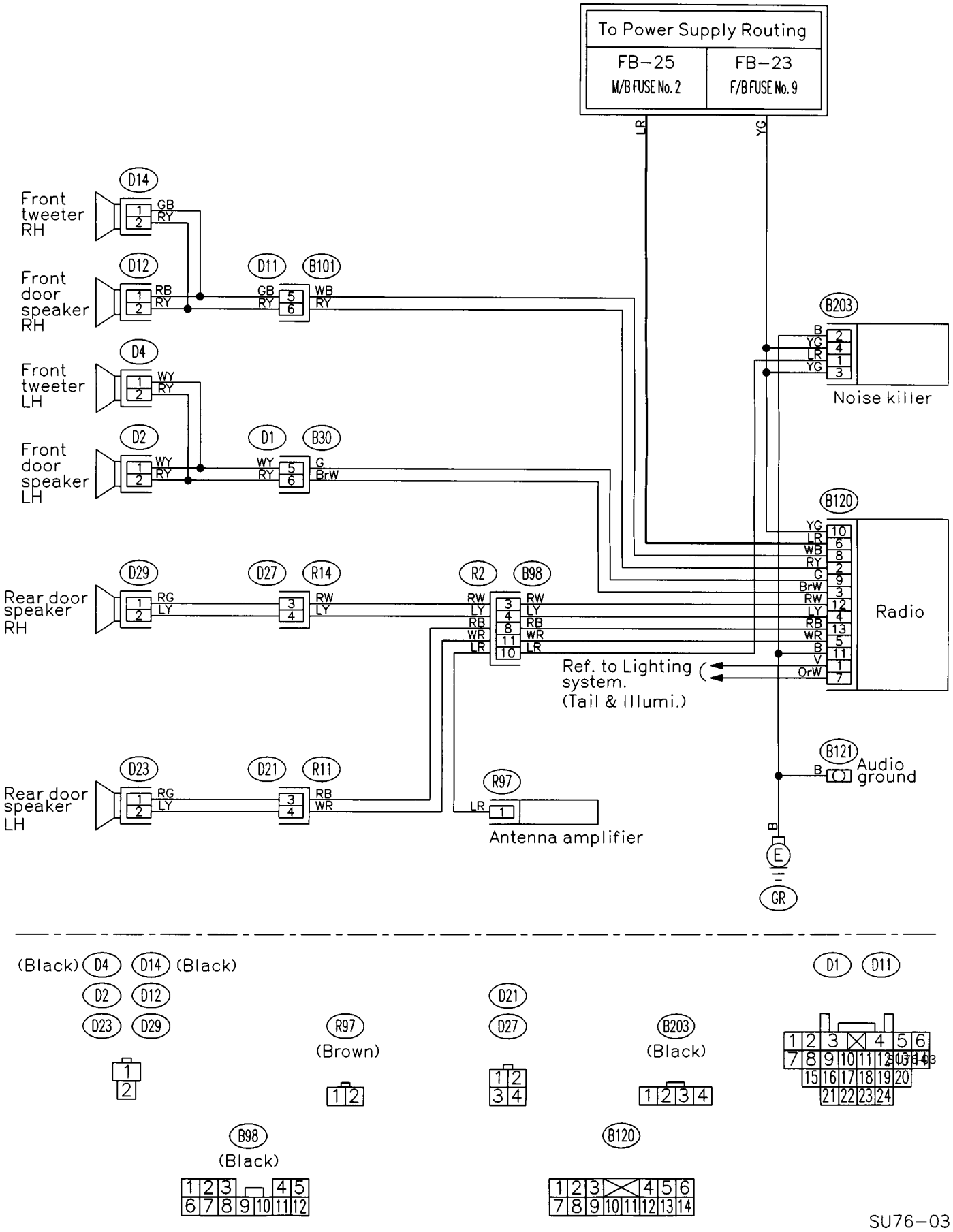
D: AIR CONDITIONING SYSTEM



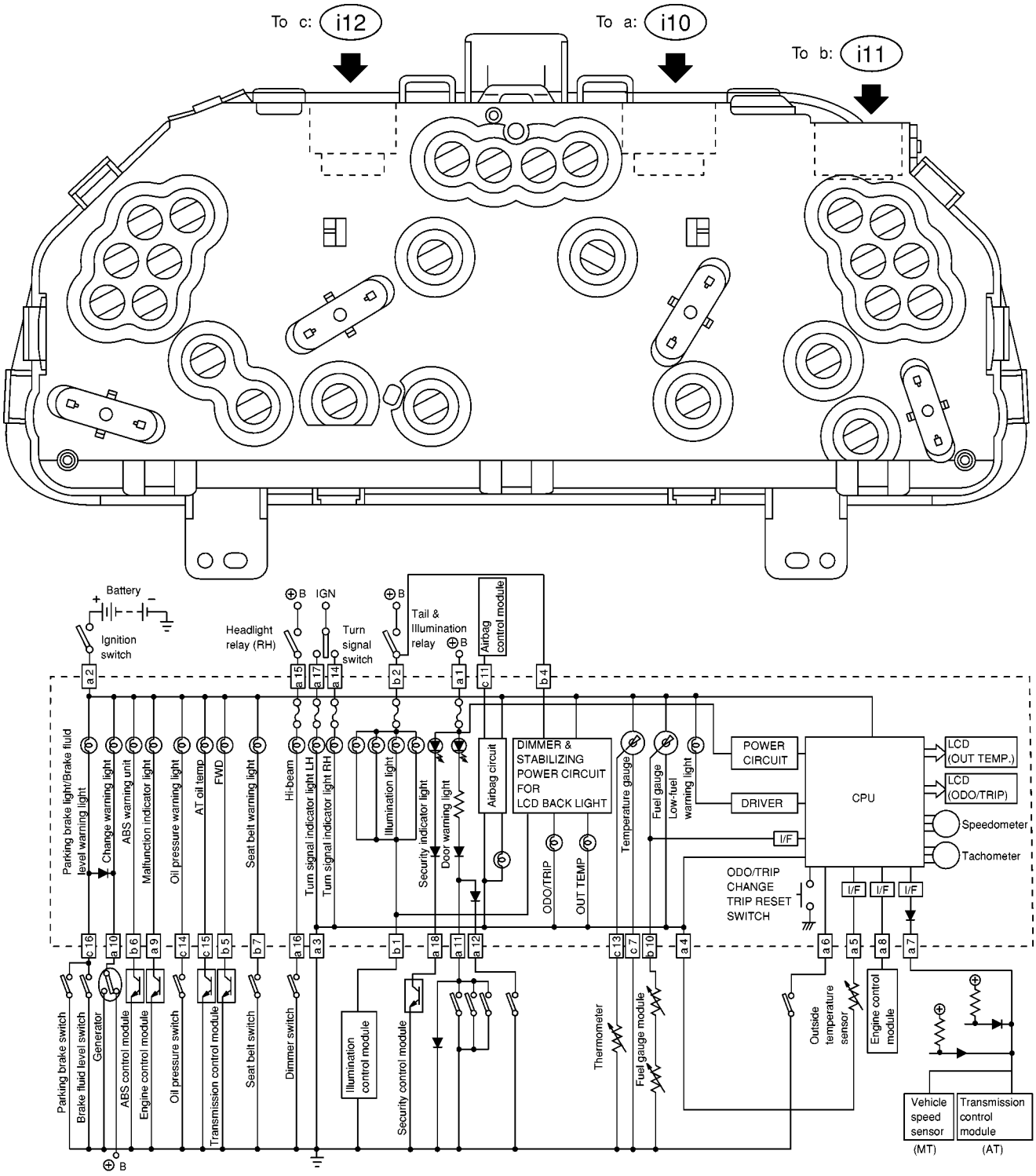

Transmission control module
Check connector
Data link connector
B79
B40
B54 : a
B22
E3
B81
Diagnosis terminal
GE
F44
B61
B82
Diagnosis connector
F2
B100
B15
Front ABS sensor LH
B6
Front ABS sensor RH
F55
R48
R70
R72
R73
ABS G sensor
Rear ABS sensor RH
Rear ABS sensor LH
(Brown) B6
B15 (Brown)
R73
R72
R70
B82 (Black)
F55
B40
B22
B79 (Gray)
B100 (Black)
a : B54
SU82-04B


FWD switch (AWD)
Shield joint connector
Check connector
Data link connector
Droppig resistor
ABS control module
Cruise control module
AT control (Transmission)
Torque converter turbine speed sensor
Vehicle speed sensor 2
Vehicle speed sensor 1 (AWD)
ATF temperature sensor
Line pressure solenoid
Lock−up solenoid
AWD solenoid
Shift solenoid 1
Shift solenoid 2
2−4B solenoid
2−4B timing solenoid
L/C timing solenoid
Transmission control module
Throttle position sensor
Engine control module
Joint connector (E/G)
(Black)
(Gray)
(Brown)
SU41-06B
SU41−06B

H: AUDIO SYSTEM

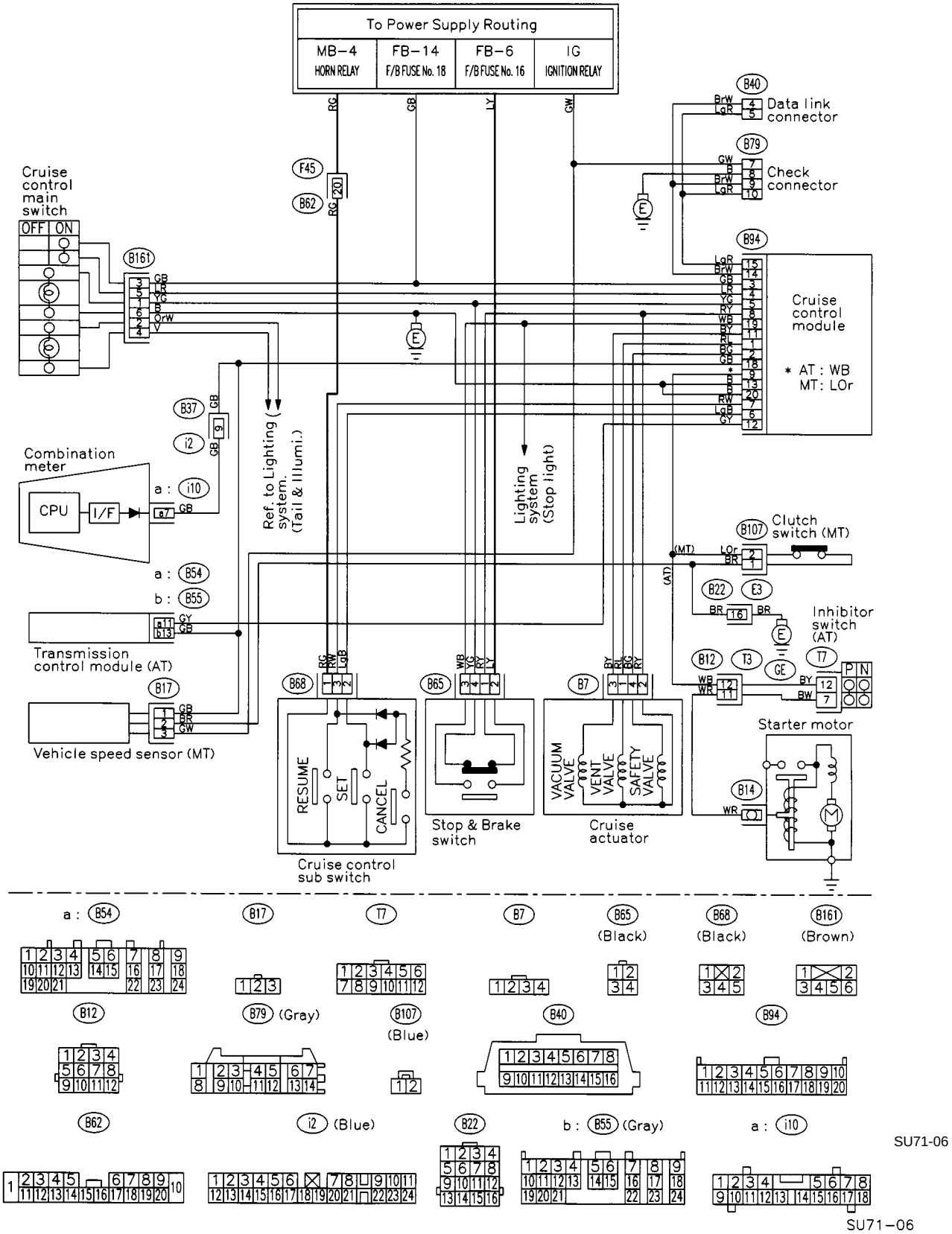


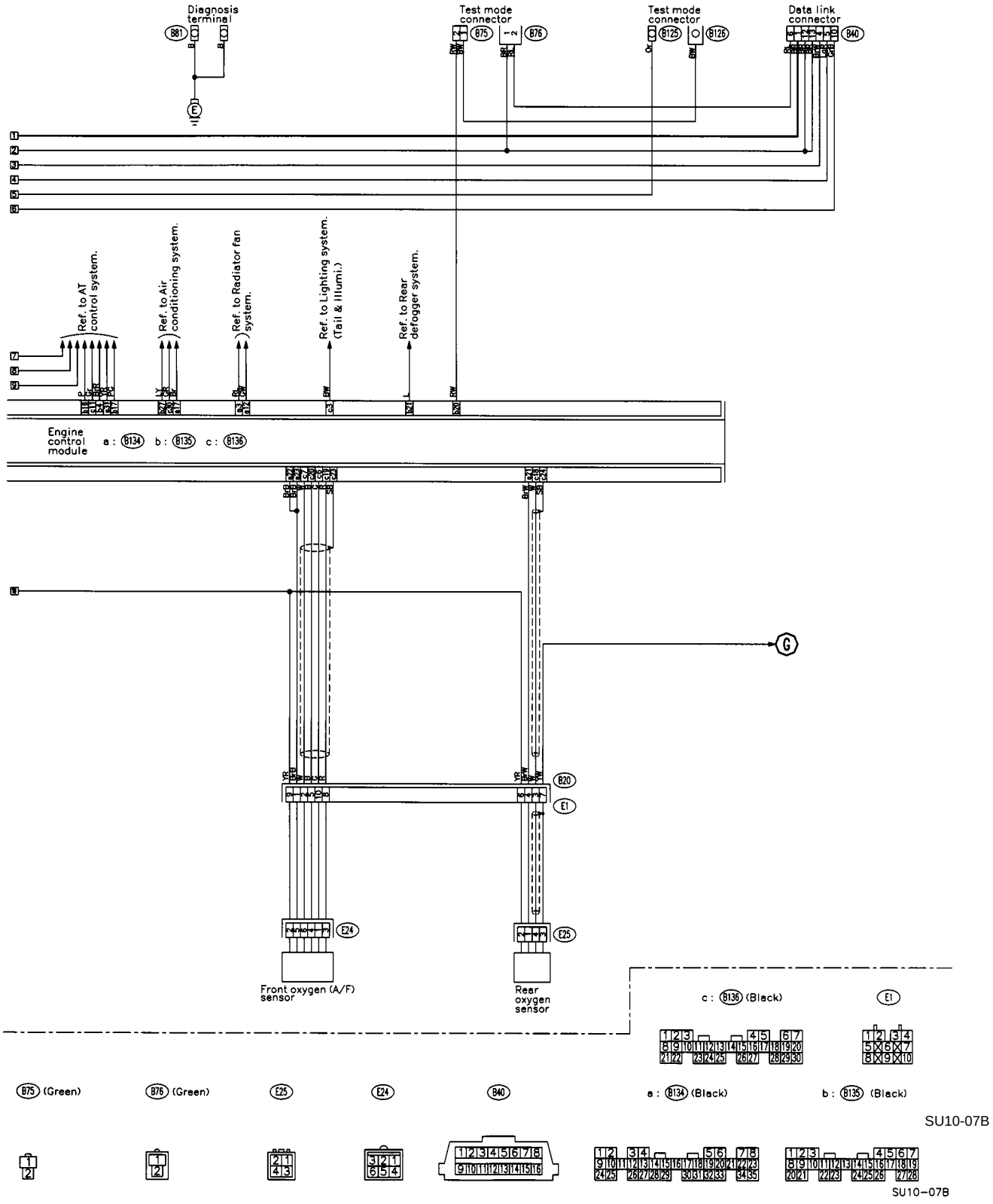
J: COMBINATION METER



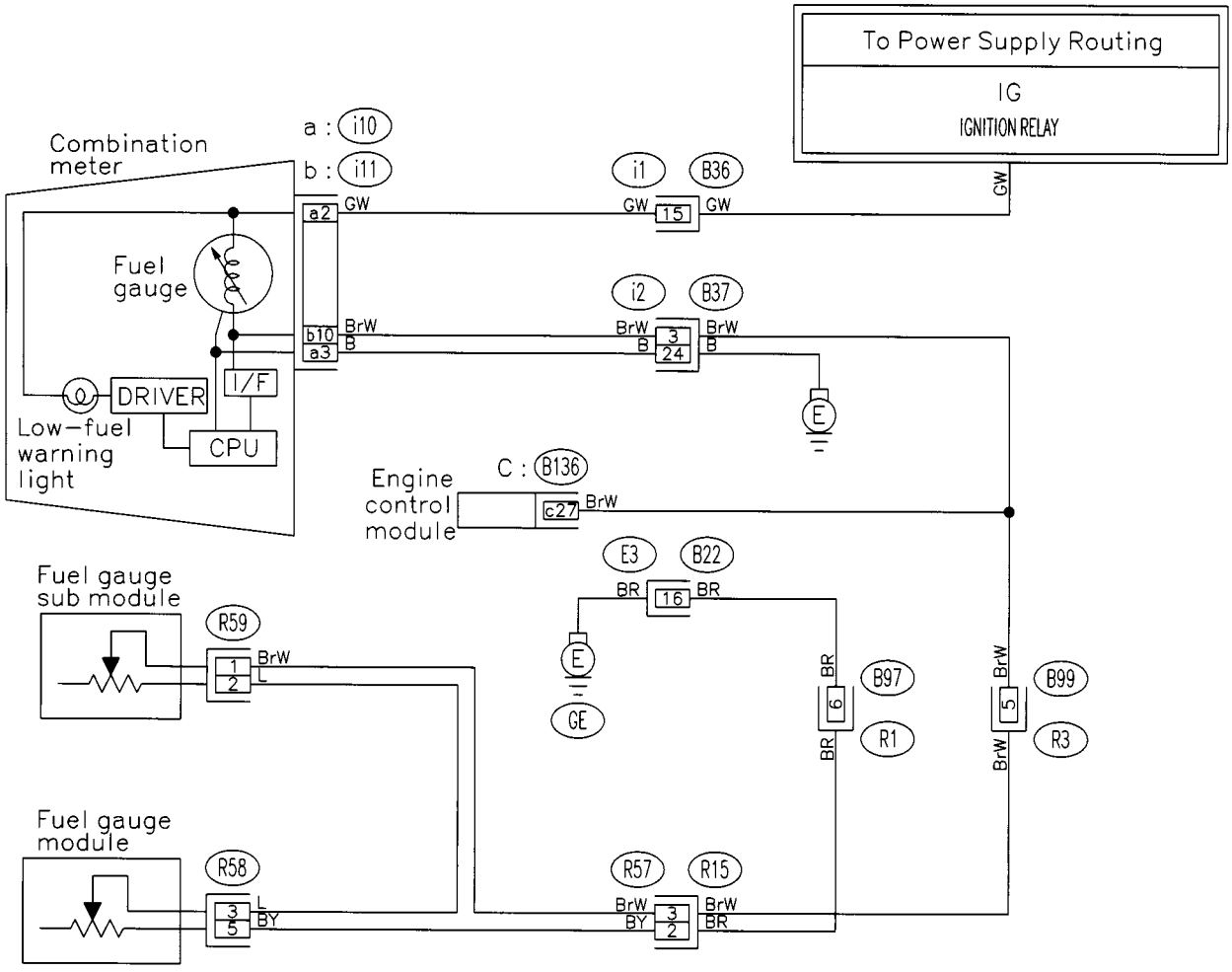
SU64-03

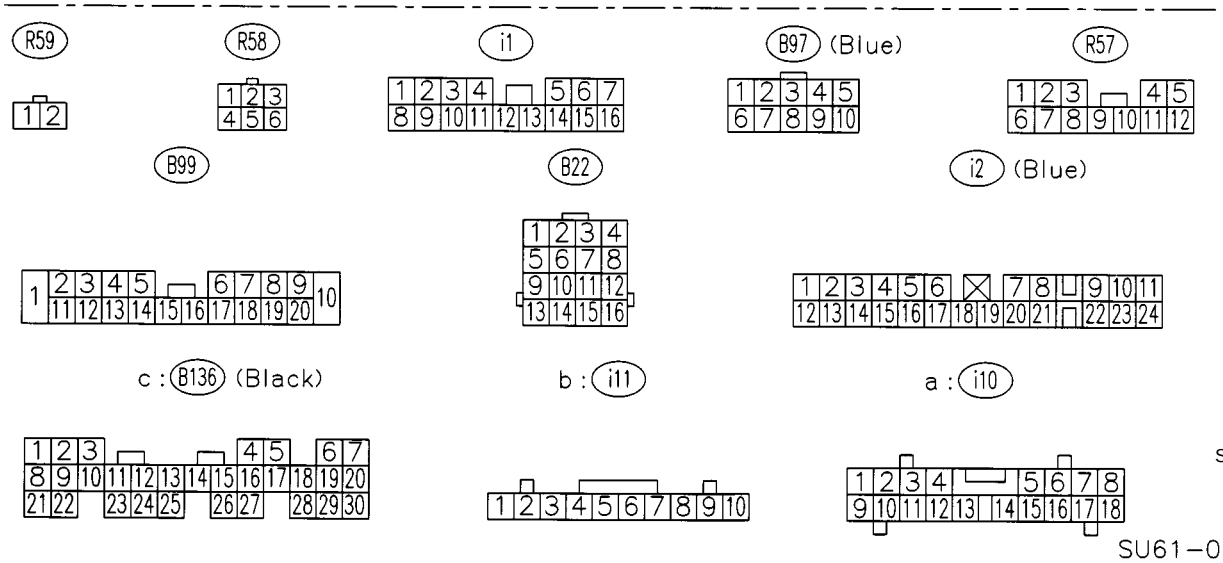
L: CRUISE CONTROL SYSTEM

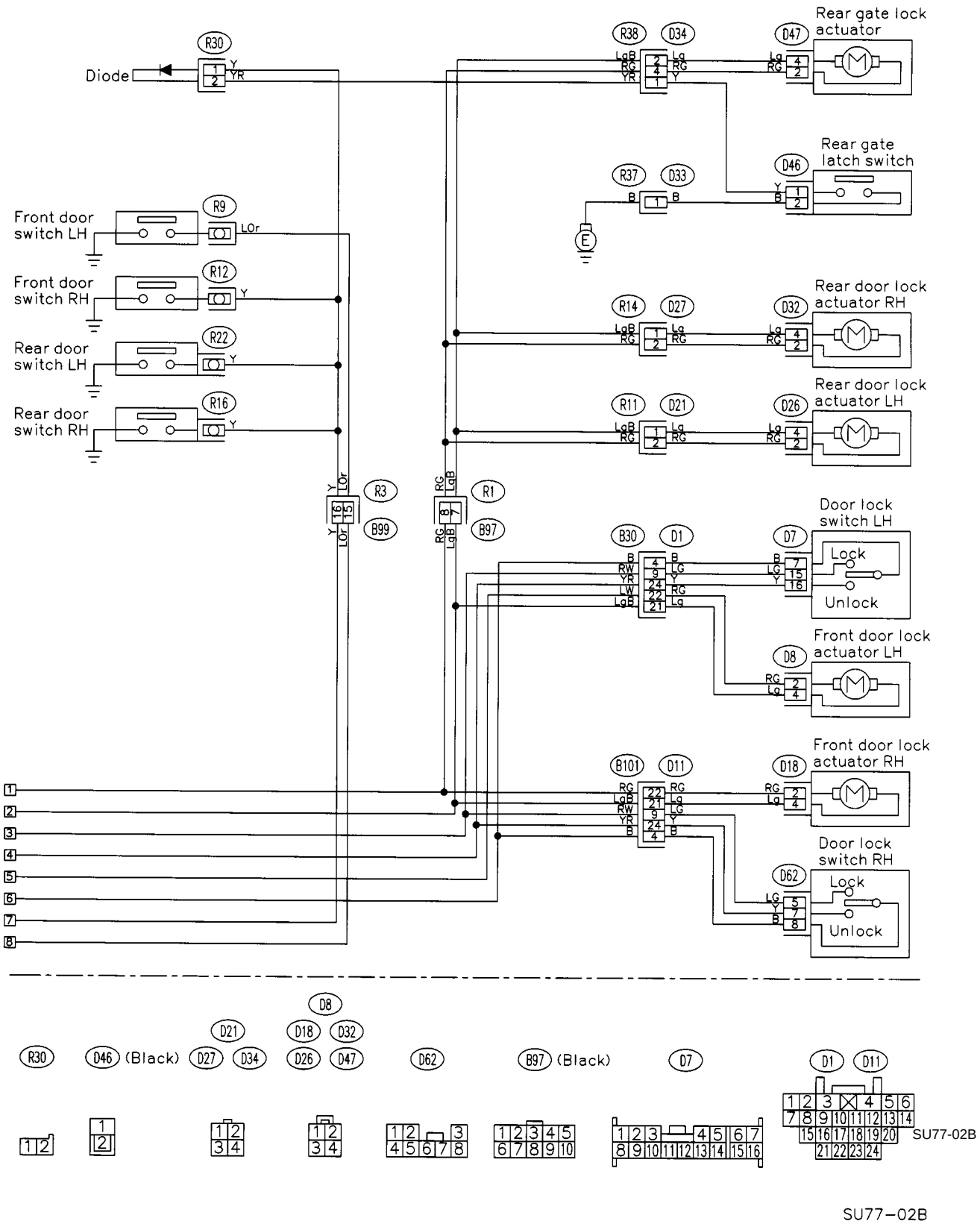



Diagnosis terminal
B81
Test mode connector
B75
B76
Test mode connector
B125
B126
Data link connector
B40
Ref. to AT control system.
Ref. to Air conditioning system.
Ref. to Radiator fan system.
Ref. to Lighting system. (Tail & illumi.)
Ref. to Rear defogger system.
Engine control module
a : B134
b : B135
c : B136
G
B20
E1
E24
E25
Front oxygen (A/F) sensor
Rear oxygen sensor
c : B136 (Black)
E1
B75 (Green)
B76 (Green)
E25
E24
B40
a : B134 (Black)
b : B135 (Black)
SU10-07B
SU10-07B

N: FUEL GAUGE SYSTEM

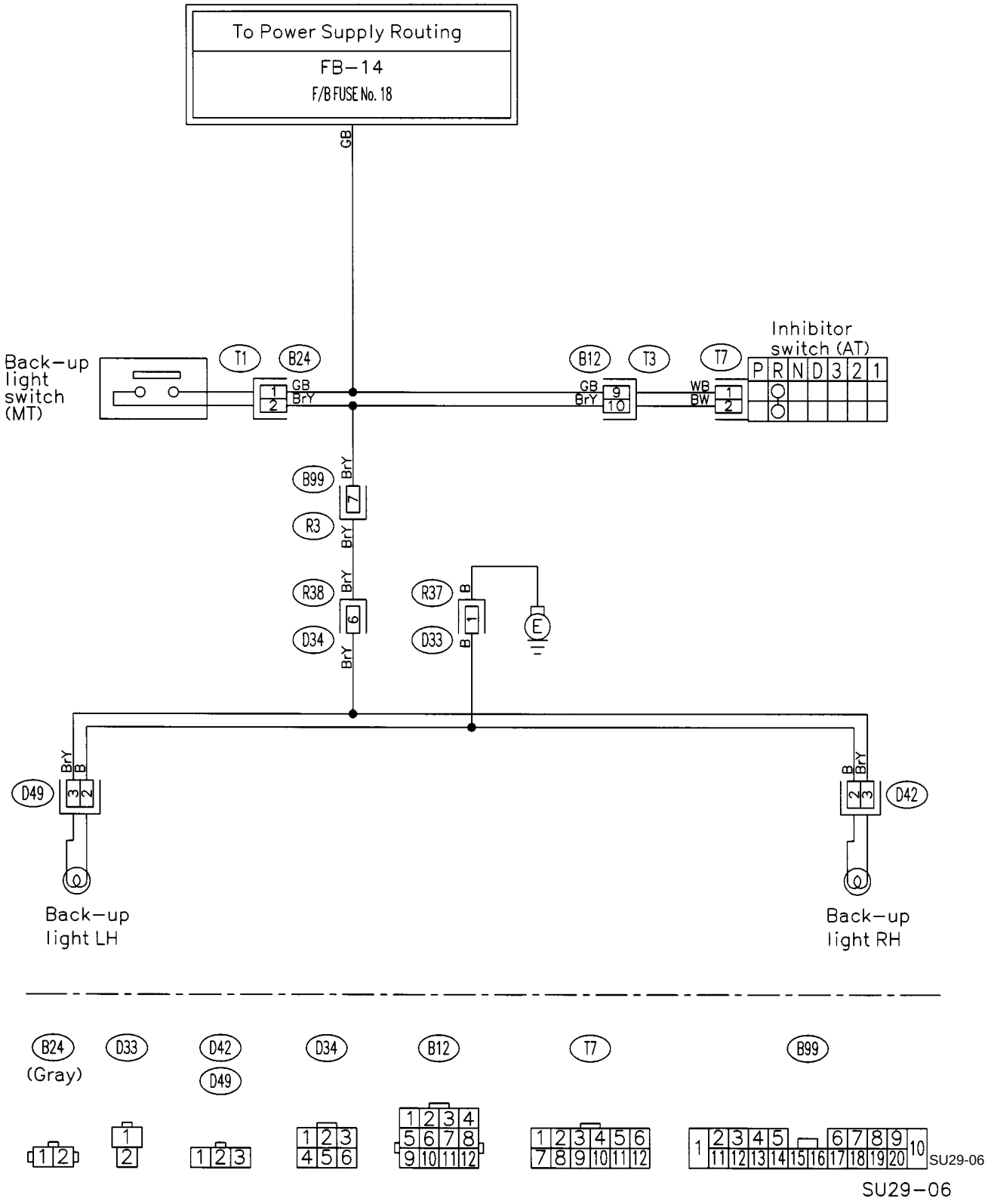




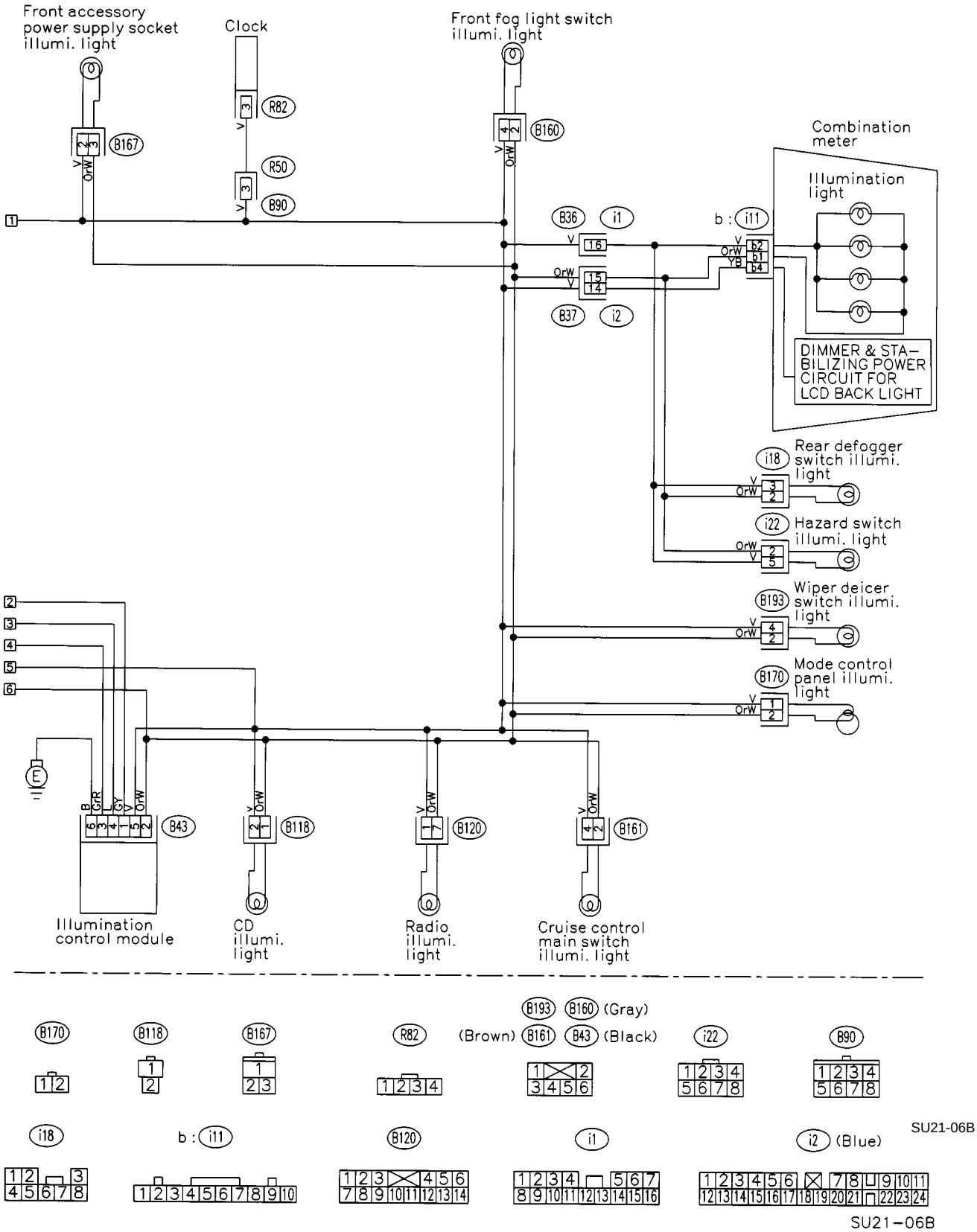

Rear gate lock actuator
Diode
Rear gate latch switch
Front door switch LH
Front door switch RH
Rear door switch LH
Rear door switch RH
Rear door lock actuator RH
Rear door lock actuator LH
Door lock switch LH
Lock
Unlock
Front door lock actuator LH
Front door lock actuator RH
Door lock switch RH
Lock
Unlock
(Black)
(Black)
SU77-02B

SU77−02B

Q: LIGHTING SYSTEM (BACK-UP LIGHT)

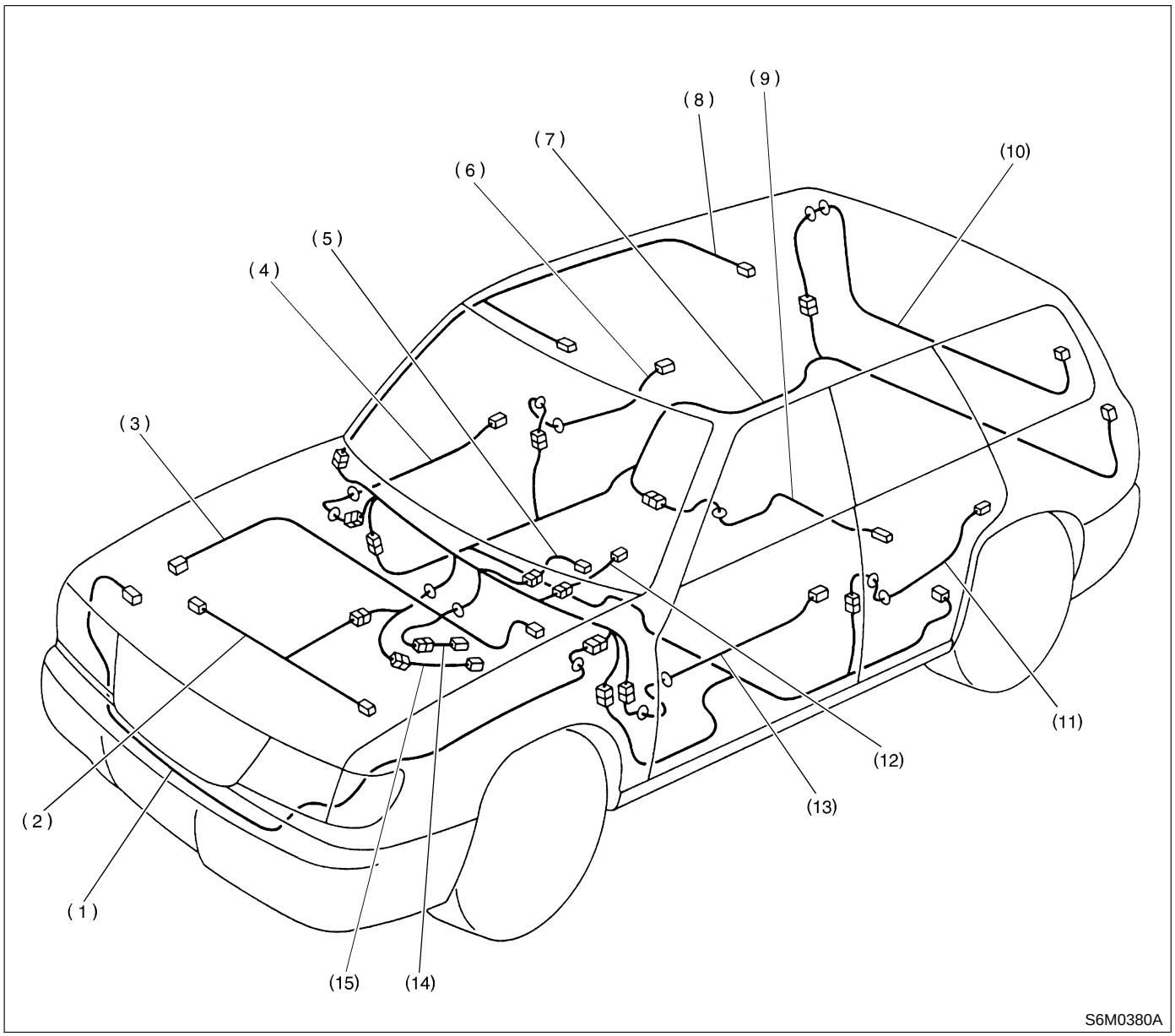


SU29−06


Front accessory power supply socket illumi. light
Clock
Front fog light switch illumi. light
Combination meter
Illumination light
DIMMER & STA-BILIZING POWER CIRCUIT FOR LCD BACK LIGHT
Rear defogger switch illumi. light
Hazard switch illumi. light
Wiper deicer switch illumi. light
Mode control panel illumi. light
Illumination control module
CD illumi. light
Radio illumi. light
Cruise control main switch illumi. light
(Gray)
(Brown)
(Black)
(Blue)
SU21-06B

6. Electrical Wiring Harness and Ground Point

A: OVERALL LOCATION



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