

1. Basic Diagnostic Procedure

A: BASIC PROCEDURES

1. GENERAL DESCRIPTION

The most important purpose of diagnostics is to quickly determine which part is malfunctioning, 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 problem is encountered, check the component parts.

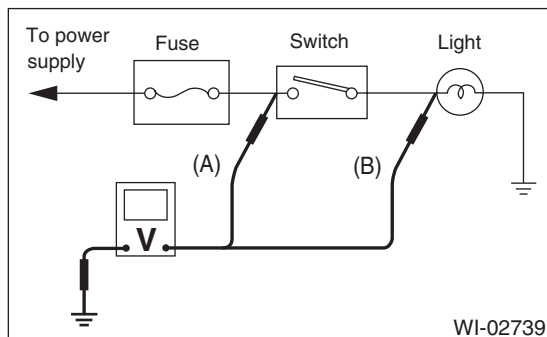
5. SYSTEM OPERATION CHECK

After repairing, ensure that the system operates properly.

B: BASIC 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 lead of the voltmeter on connector (A). The voltmeter will indicate a voltage.
- 3) Shift the positive lead to connector (B). The voltmeter will indicate no voltage.



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

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

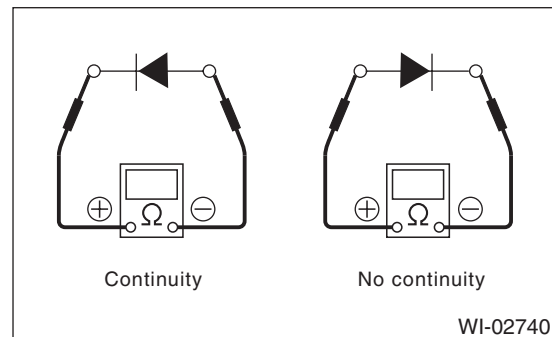
2. CIRCUIT CONTINUITY CHECKS

- 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) The symbol "○ — ○" indicates that continuity exists between two points or terminals. For example, when a switch position is at "3", continuity exists among terminals 1, 3 and 6, as shown in the table below.

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

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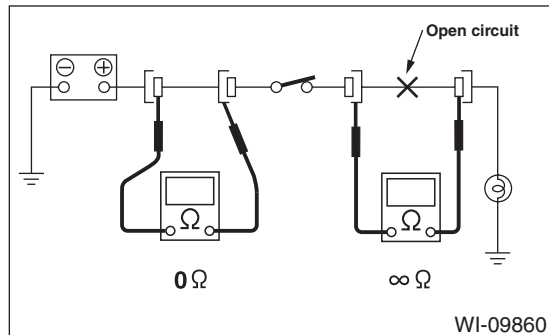
Basic Diagnostic Procedure

WIRING SYSTEM

3. HOW TO DETERMINE AN OPEN CIRCUIT

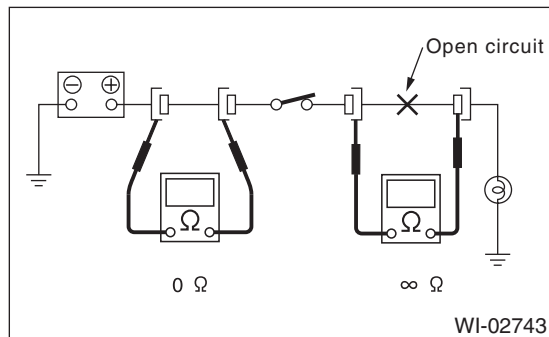
1) WITH VOLTMETER:

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) WITH OHMMETER:

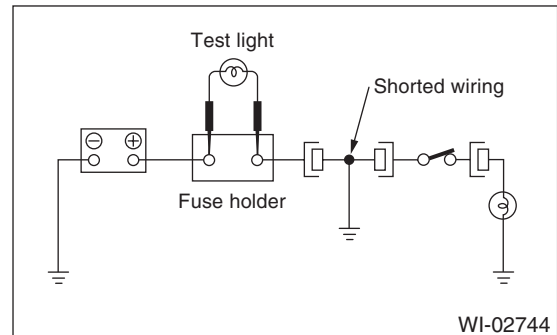
Disconnect all connectors affected, and check continuity in the wiring between adjacent connectors. When the ohmmeter indicates "infinite", the wiring is open.



4. HOW TO DETERMINE A SHORT CIRCUIT

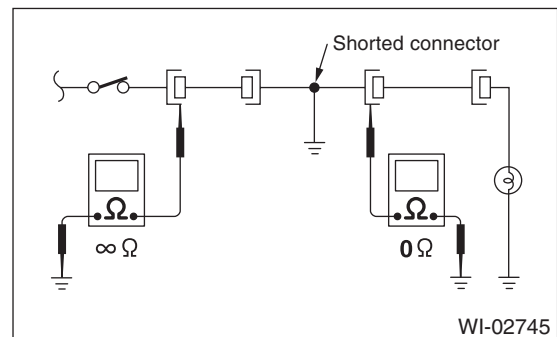
1) WITH TEST LIGHT:

Connect a test light (rated at approx. 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 light goes out when a connector is disconnected, the wiring between that connector and the next connector (farther from the power supply) is shorted.



2) WITH OHMMETER:

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



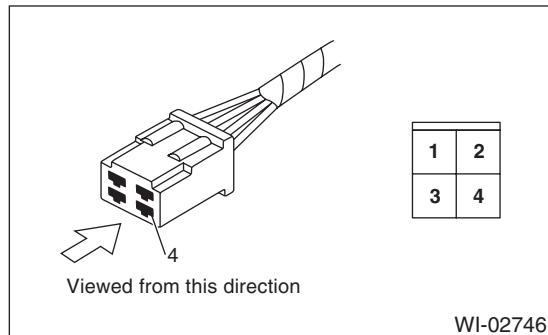
C: HOW TO READ WIRING DIAGRAMS

1. 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 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.

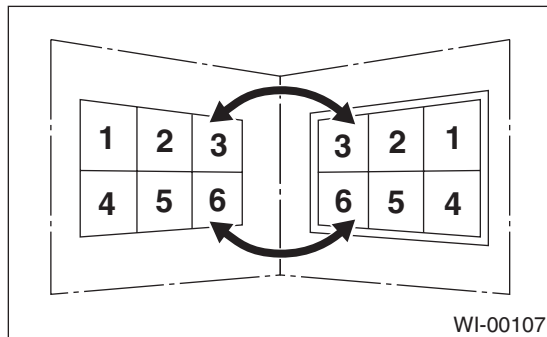
Connector used in vehicle	Connector shown in wiring diagram		
	Sketch	Symbol	Number of poles
	Double frames Indicates a lock is included. Indicates the number of poles.		Numbered in order from upper right to lower left
	Indicates a lock is included. Single frame		Numbered in order from upper left to lower right

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- 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.



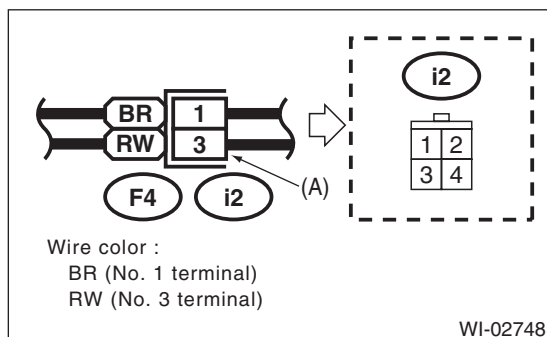
• WIRING DIAGRAM:

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

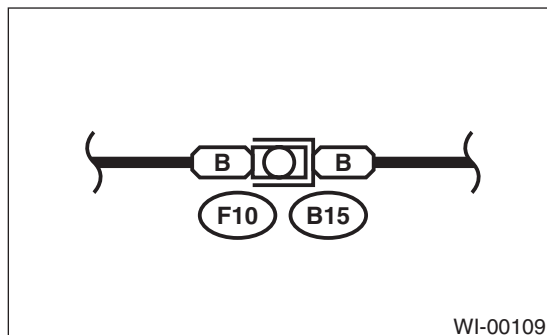
- The sketch of each connector in the wiring diagram usually shows the (A) side of the connector. The relationship between the wire color, terminal number and connector is described in the figure.

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.

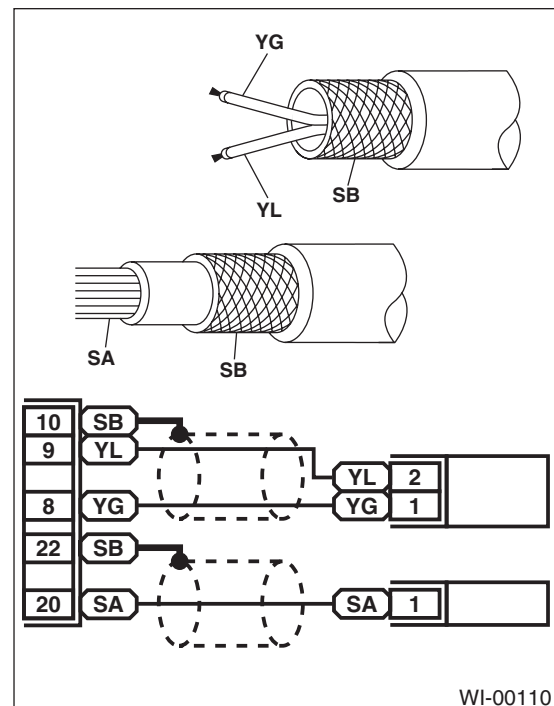


- In the wiring diagram, connectors which have no terminal number refer to one-pole types. Sketches of these connectors are omitted intentionally.

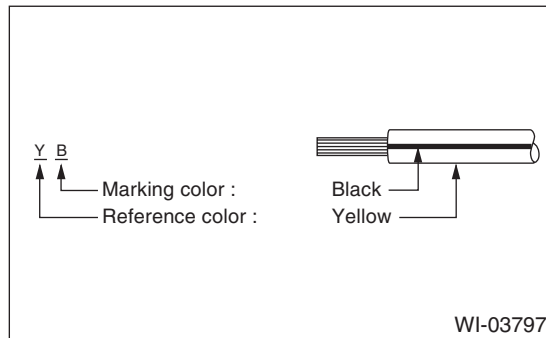


- The following color codes are used to indicate the colors of the wires.

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
Sb	Light blue
V	Violet
SA	Sealed (Inner)
SB	Sealed (Outer)



- 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:

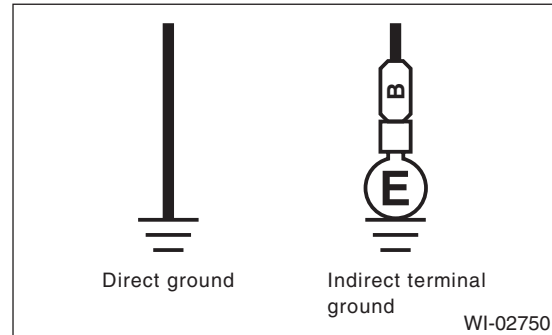
When replacing or repairing a wire, be sure to use the same size and type of the wire which was originally used.

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 wiring mm	Allowable current Amps/ 40°C (104°F)
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

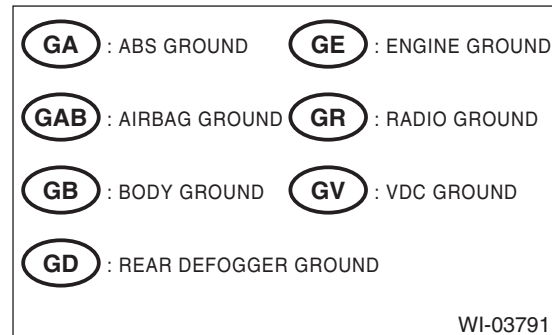
- Each unit is either directly grounded to the body or indirectly grounds through a harness ground terminal. Different symbols are used in the wiring diagram to identify the two grounding systems.



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

NOTE:

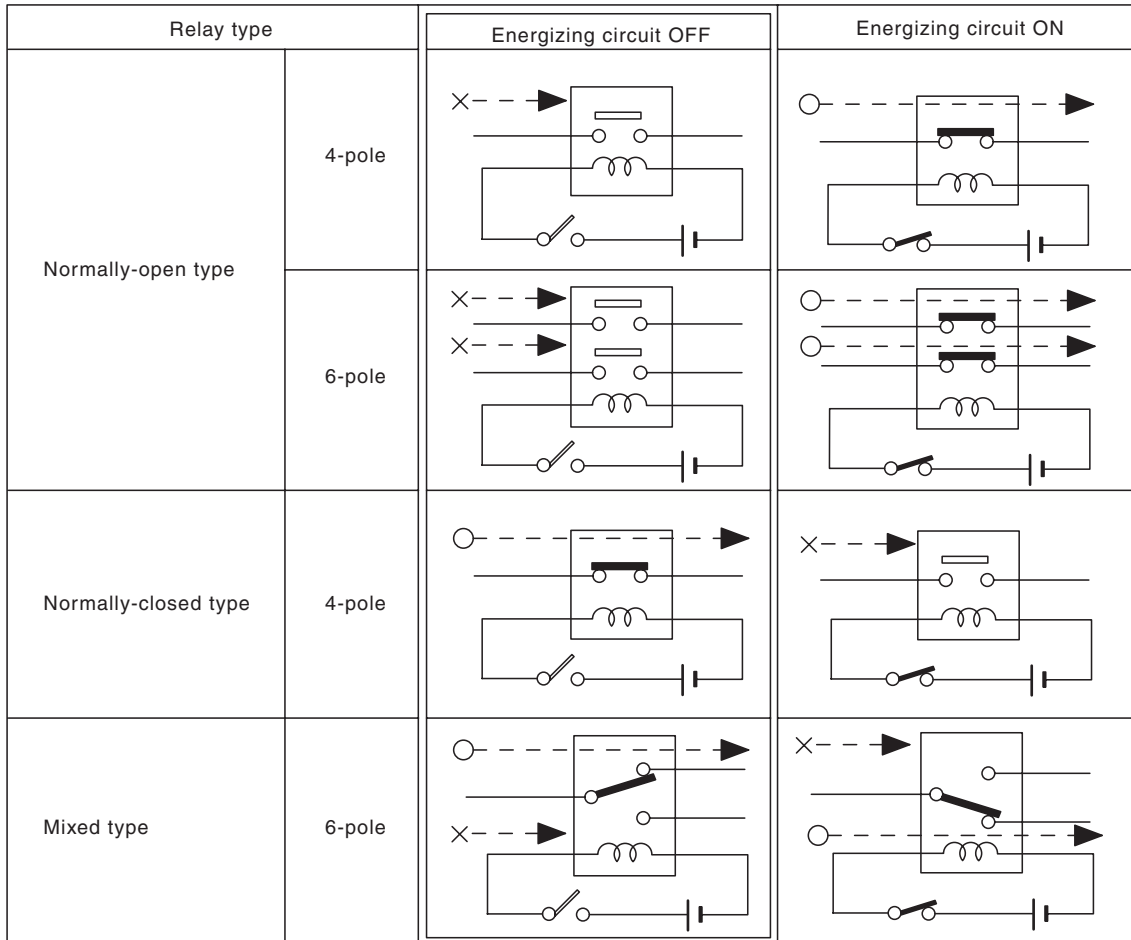
All wiring harnesses are provided with a ground point which should be securely connected.



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- 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.



Key to symbols:

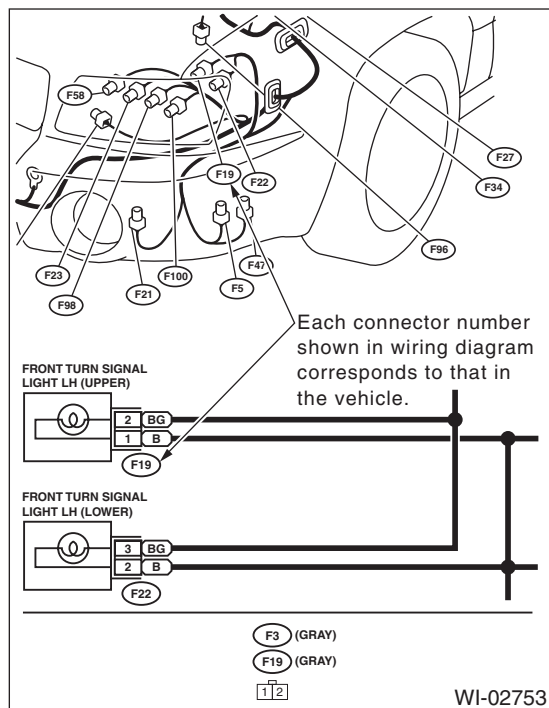
○ —▶ : Current flows.

× —▶ : Current does not flow.

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- 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 corresponds 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
D	Door cord LH & RH, Rear gate cord Rear door cord LH & RH, Rear defogger cord
i	Instrument panel wiring harness
R	Rear wiring harness, Fuel tank cord, Roof cord, Rear gate cord, Rear defogger ground cord (Sedan model)
AB	Airbag wiring harness

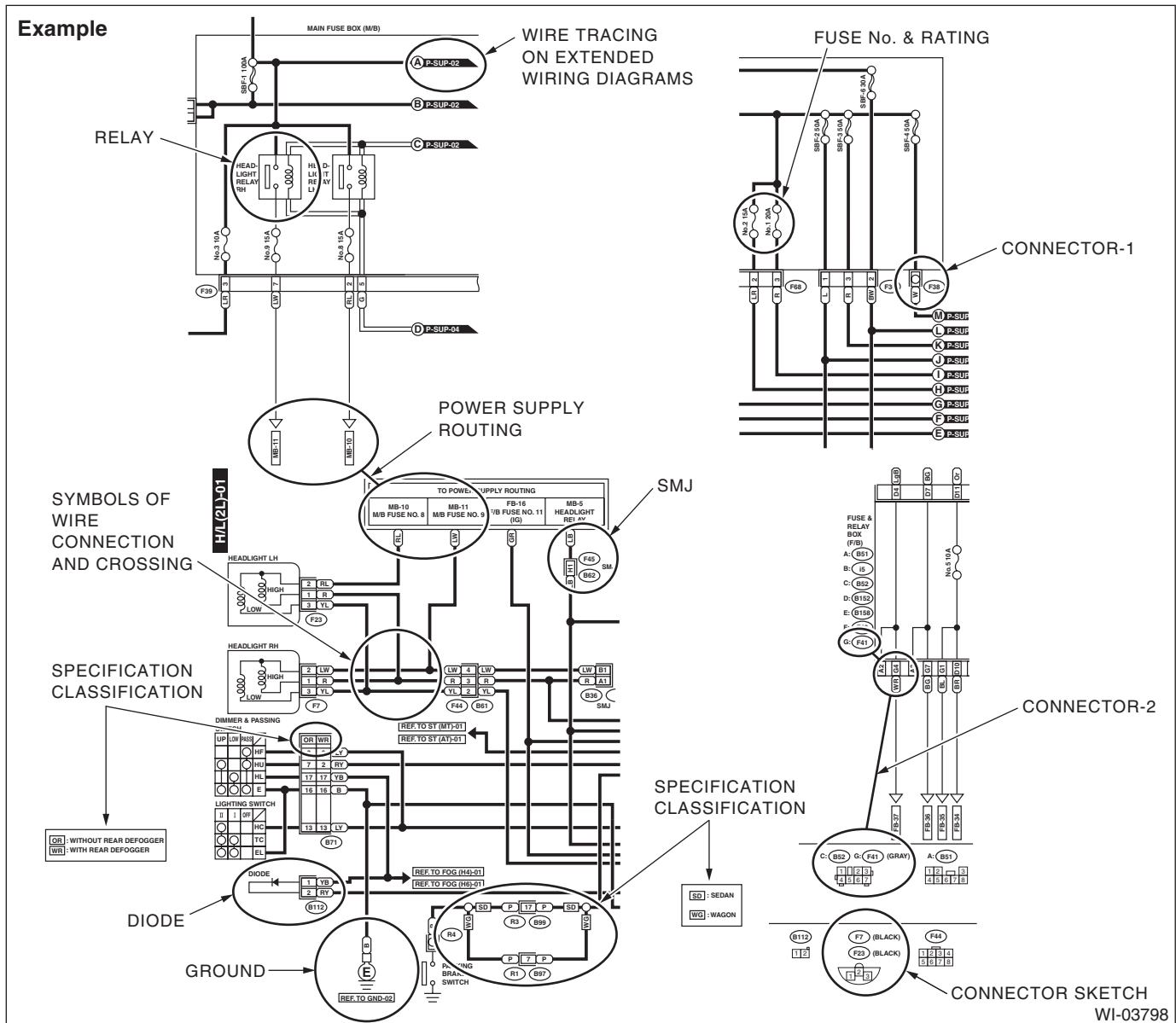


Basic Diagnostic Procedure

WIRING SYSTEM

D: SYMBOLS IN WIRING DIAGRAMS

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



1. RELAY

A symbol used to indicate a relay.

2. CONNECTOR 1

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

3. WIRING CONNECTION

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

4. FUSE NO. & RATING

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

5. 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 "G4" refers to No. 4 terminal of connector (G: F41) shown in the connector sketch.

6. 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 white or 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.

7. GROUND

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

8. DIODE

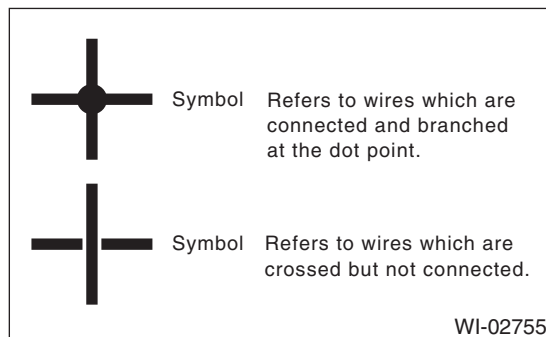
A symbol is used to indicate a diode.

9. 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 $\longleftrightarrow$ A, B $\longleftrightarrow$ B

10. SYMBOLS OF WIRE CONNECTION AND CROSSING



11. POWER SUPPLY CIRCUIT

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 “DC POWER SUPPLY CIRCUIT” in the wiring diagram.

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

12. CLASSIFICATION BY SPECIFICATION

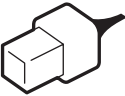
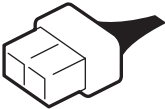
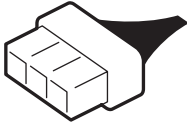
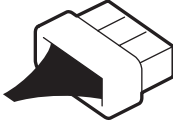
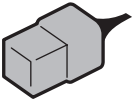
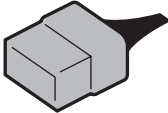
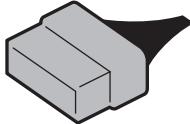
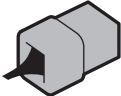
When the wiring diagram differ according to vehicle specifications, the specification difference is described by using abbreviations.

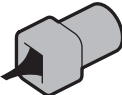
Basic Diagnostic Procedure

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E: CONNECTOR SYMBOL IN WIRING HARNESS

A number of connector symbols are used in each wiring diagram to easily identify the wiring harness connectors.

Standard type: Female		
Pole: From 1 to 8	Pole: From 9 to 20	Pole: More than 21
		
		
Standard type: Male		
		
		

Water proof type: Female		
Pole: From 1 to 8	Pole: From 9 to 20	Pole: More than 21
		
		
Water proof type: Male		
		
		

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F: ABBREVIATION IN WIRING DIAGRAMS

Abbr.	Full name
A/B	Airbag
A/C	Air Conditioner
A/F	Air/Fuel (Air fuel ratio sensor)
ABS	Anti-lock Brake System
ACC	Accessory
AD	Auto Down
ALT	Generator
ASSY	Assembly
AT	Automatic Transmission
ATF	Automatic Transmission Fluid
AU	Auto Up
AWD	All Wheel Drive
B, BAT	Battery
CAN	Communication Area Network
CPU	Central Processing Unit
D	Drive Range
D, DN	Down
E	Ground
EBD	Electric Brake Distribution
ECM	Engine Control Module
EGR	Exhaust Gas Recirculation
ELR	Emergency Locking Retractor
F/B	Fuse & Relay Box
FL	Front Left Hand
FL1.5	Fusible Link 1.5 mm ²
FR	Front Right Hand
FWD	Front Wheel Drive
G	Gravity (G sensor)
H/L	Headlight
HI	High
HID	High Intensity Discharge
I/F	Interface
IG	Ignition
Illumi.	Illumination
INT	Intermittent
LCD	Liquid Crystal Display
LH	Left Hand
Lo	Low
M	Motor
M/B	Main Fuse Box
MG	Magnet
Mi	Middle
MT	Manual Transmission
MID	Multi Information Display
MIST	Wiper mist (One-touch)
MT	Manual Transmission
N	Neutral Range

Abbr.	Full name
NA	Natural Aspiration
NAVI	Navigation
OP	Optional Parts or Open
P	Parking Range
PASS	Passing
PCV	Purge Control Valve
PWM	Pulse Width Modulation
P-VIGN	P-V Ignition relay
R	Reverse Range
R, RH	Right Hand
RL	Rear Left
RR	Rear Right
SBF	Slow Blow Fuse
S/S	SPORT shift
ST	Starter
SW	Switch
TB	Turbo
TCM	AT Control Module
TGV	Tumble Generator Valve
TPM	Tire Pressure Monitor
TV	Television
U, UP	Up
VDC	Vehicle Dynamics Control
VICS	Vehicle Information and Communication System
WASH	Washer

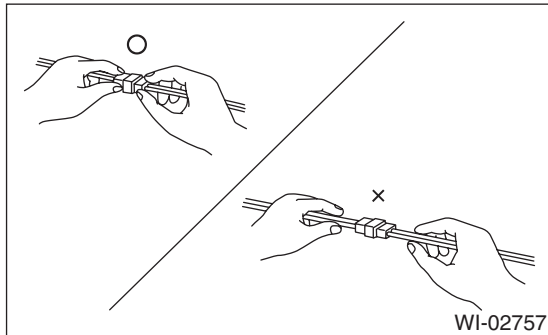
2. Working Precautions

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

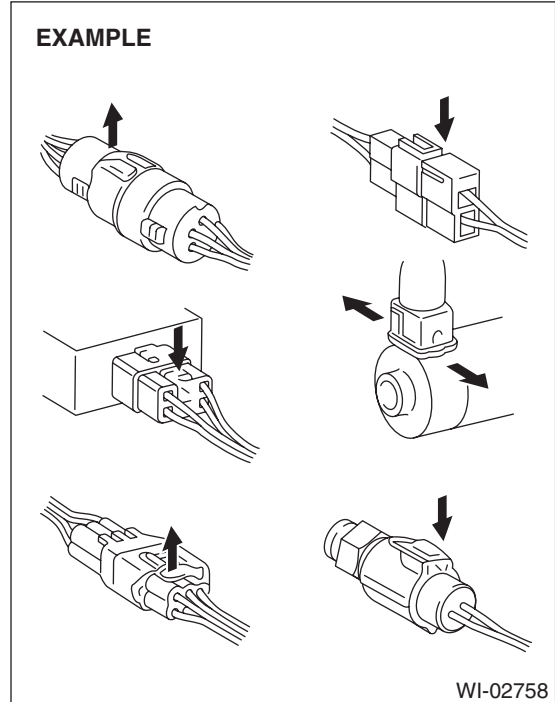
- 1) When working under a vehicle which is jacked-up, always be sure to use rigid rack.
- 2) The parking brake must always be applied during working. Also, in automatic transmission vehicles, keep the select lever set to the P (Parking) range.
- 3) Be sure the workshop is properly ventilated when running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

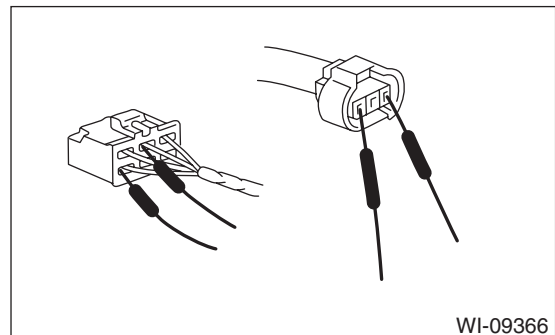


- 5) Some connectors are provided with a lock. One type of such a connector is disconnected by pushing the lock, and the other, by moving the lock up. In either type the lock shape must be identified before attempting to disconnect the connector. To connect, insert the connector until it snaps and confirm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



- 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 measurable from the wiring side), contact test probes on the terminal side. Be careful not to bend or damage the terminals.



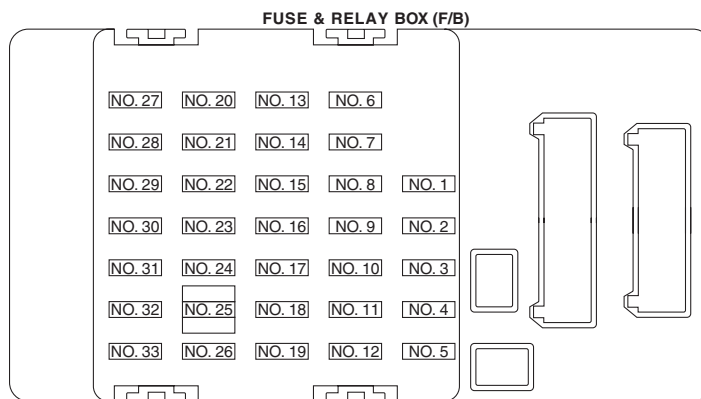
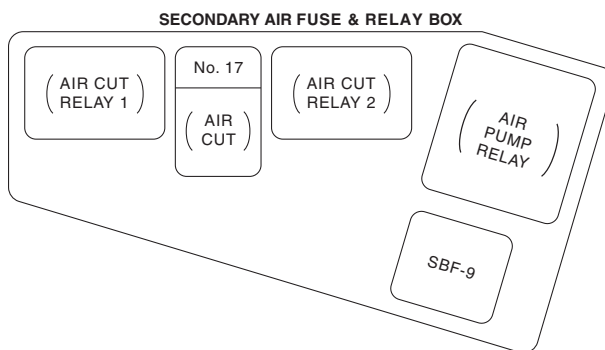
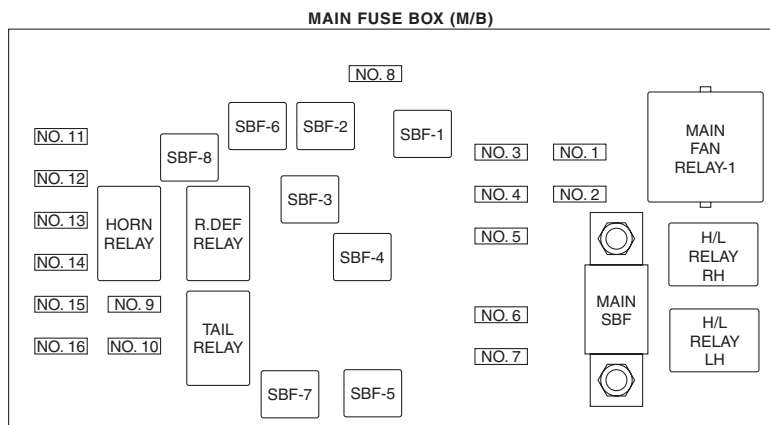
- 7) Sensors, relays, electrical unit, etc., are sensitive to strong impacts. Handle them with care so that they are not dropped or mishandled.

3. Power Supply Circuit

A: WIRING DIAGRAM

P-SUP-01

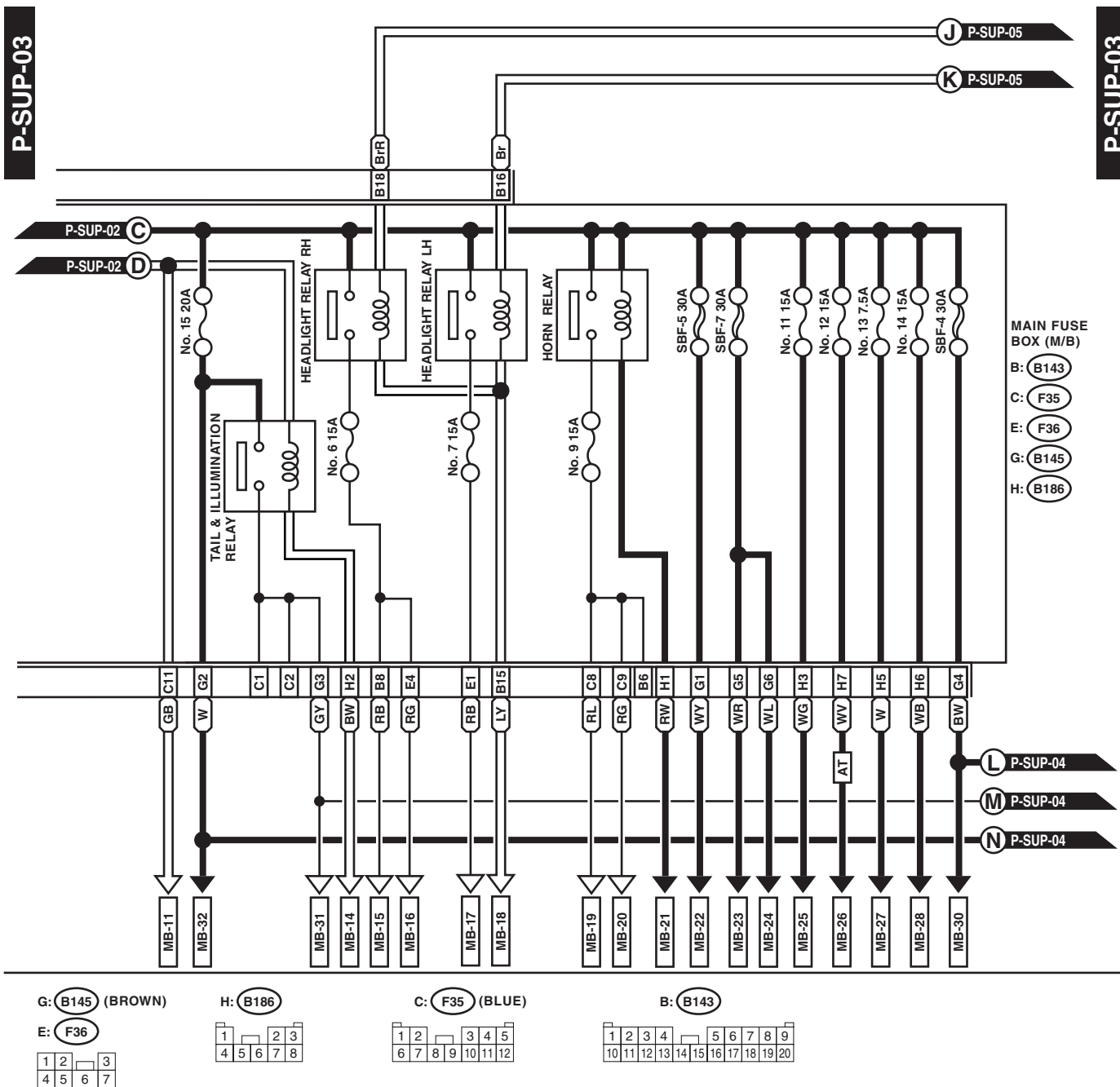
P-SUP-01



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Power Supply Circuit

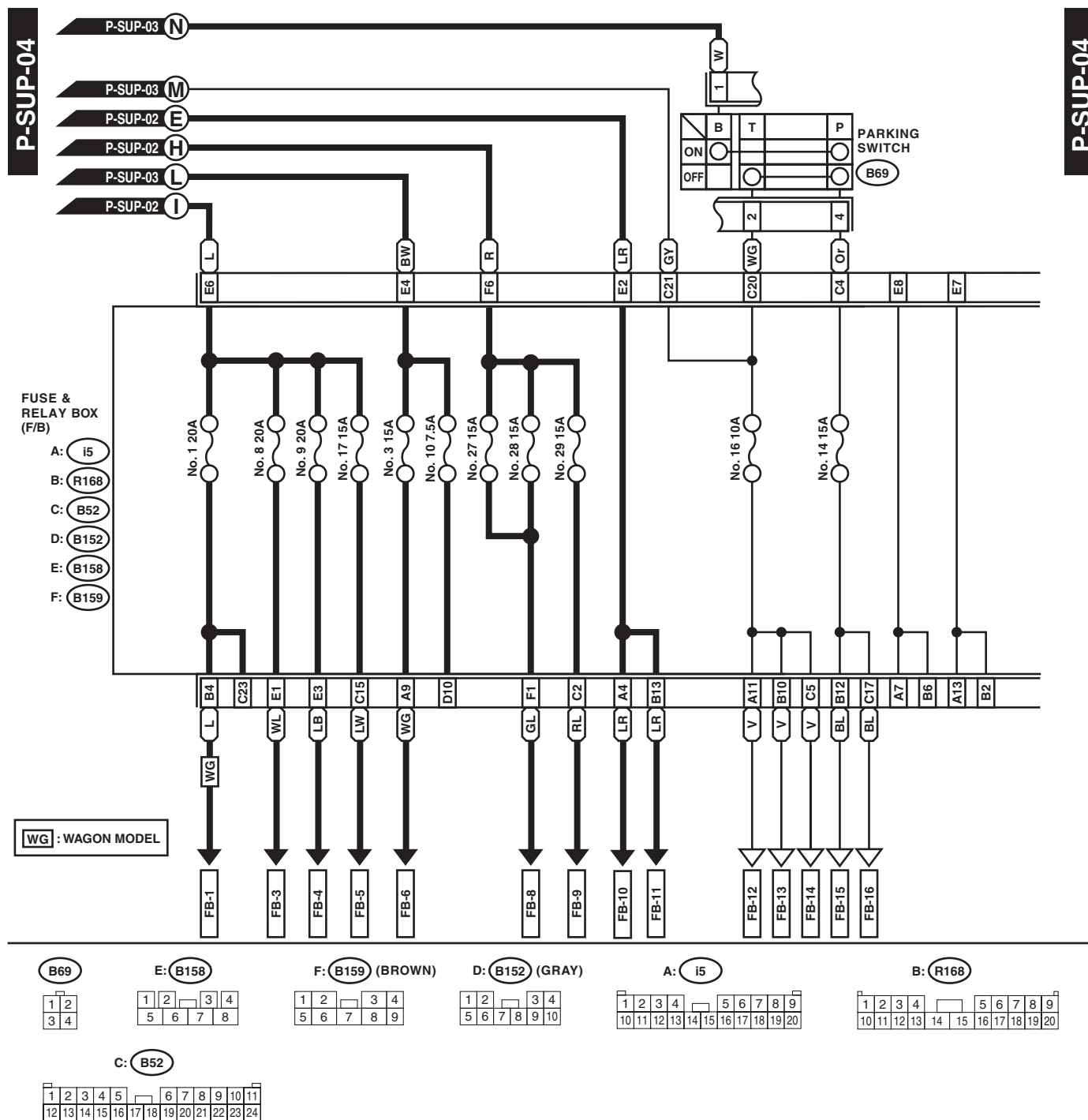
WIRING SYSTEM



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Power Supply Circuit

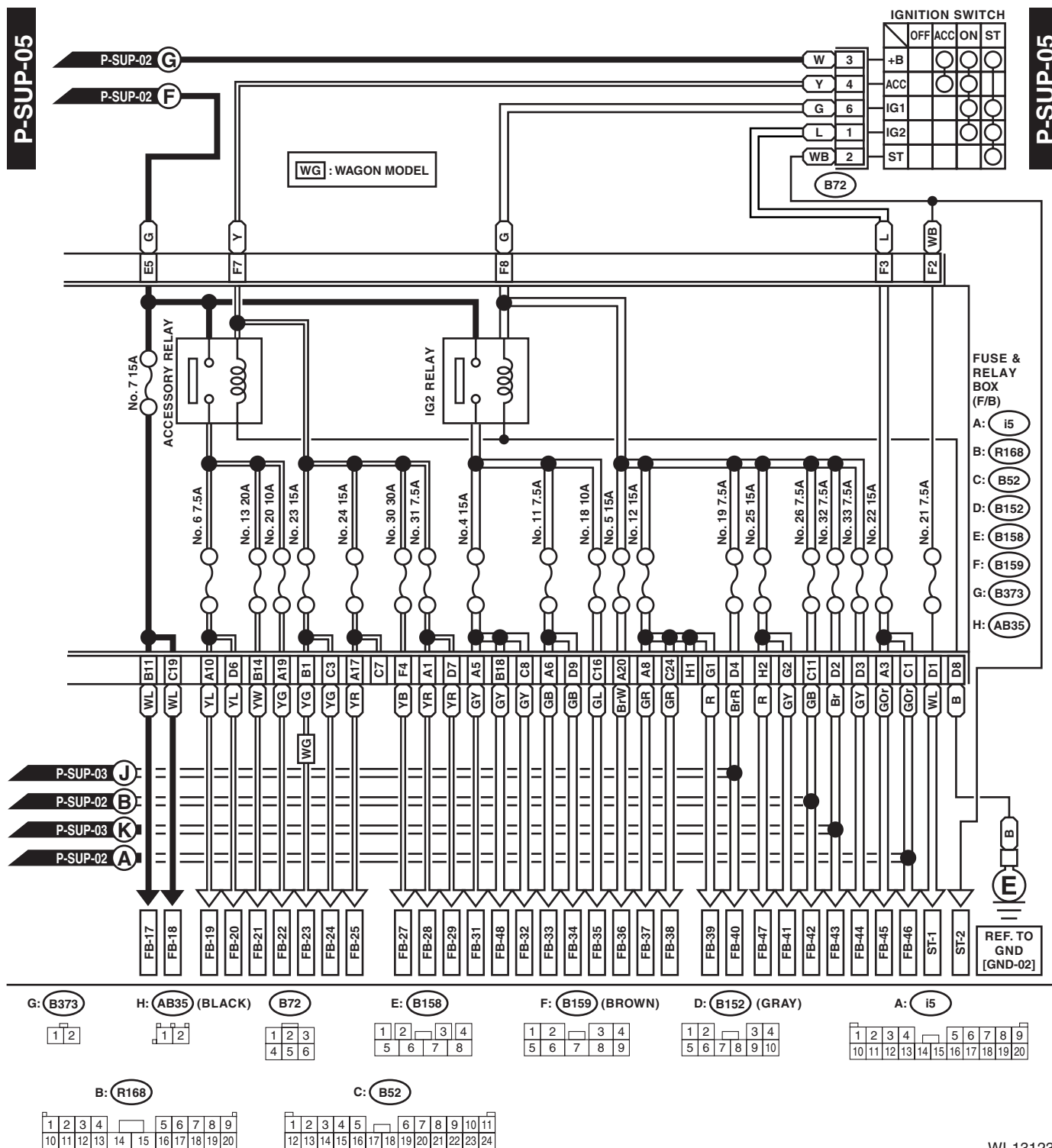
WIRING SYSTEM



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Power Supply Circuit

WIRING SYSTEM



Power Supply Circuit

WIRING SYSTEM

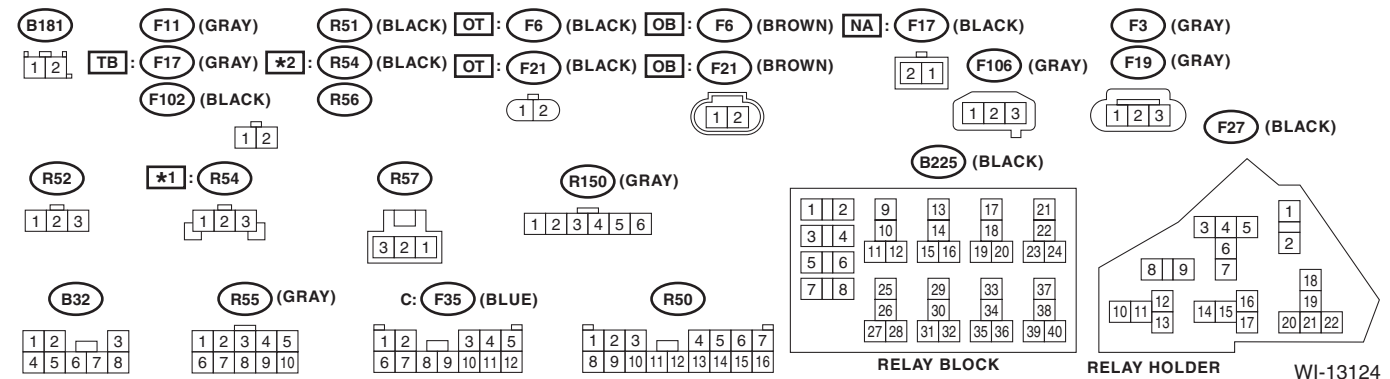
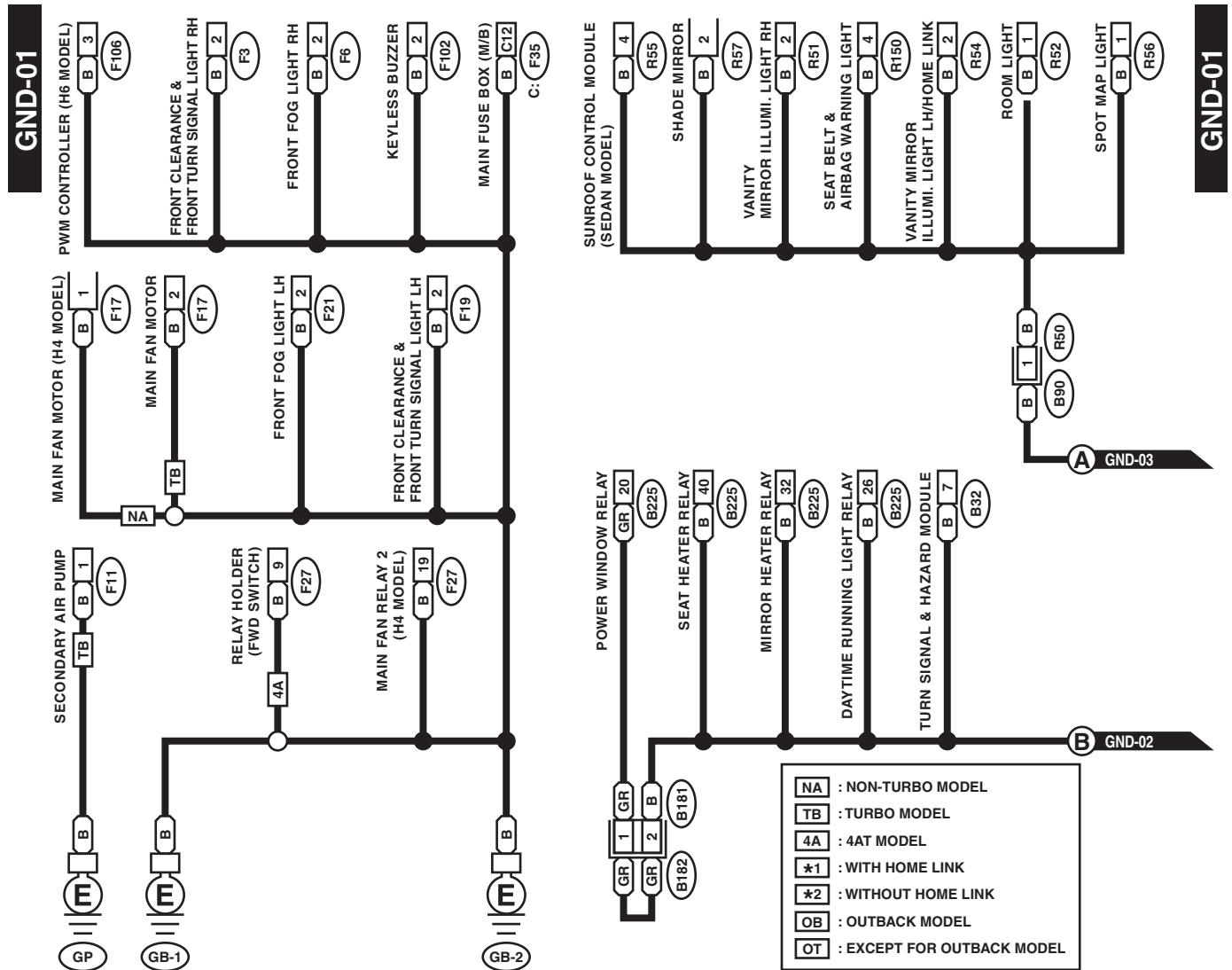
No.	Load
MB-1	ABS control module
	VDC control module
MB-2	ABS control module
	VDC control module
MB-4	Sub fan relay
MB-5	Mirror heater relay
	Rear defogger
MB-6	Body integrated unit
MB-7	Main fan relay 2
MB-8	PWM controller
	Main fan motor
MB-9	ECM
MB-10	Main fan relay 2
MB-11	Main fan relay 2
MB-14	Lighting switch
MB-15	Combination meter
MB-16	Headlight RH
MB-17	Headlight LH
MB-18	Diode (Headlight)
	Daytime running light control module
MB-19	Horn (Hi)
MB-20	Horn (Lo)
MB-21	Horn switch
	Body integrated unit
MB-22	Oxygen sensor relay
	Main relay
MB-23	Main relay
MB-24	Electronic throttle control relay
MB-25	Fuel pump relay
MB-26	TCM
MB-27	ECM
	Data link connector
MB-28	Key illumination
	Key warning switch
	Turn signal and hazard unit
	Body integrated unit
MB-29	Spot map light
	Home link
	Body integrated unit
	Room light
MB-30	Power window circuit breaker
MB-31	F/B fuse No. 16
MB-32	Parking switch
MB-33	Secondary air fuse
	Secondary air pump relay
MB-34	Secondary air fuse
	Secondary air combination valve relay
FB-1	Trailer connector (Wagon model)
FB-3	Stop light & brake switch
FB-4	Wiper de-icer relay

No.	Load
FB-5	Seat heater relay
FB-6	Body integrated unit
FB-8	Blower fan relay
FB-9	Front fog light relay
FB-10	Audio
	Keyless entry control module
	Step light LH
	Step light RH
	Clock
	TV monitor
FB-11	Trunk room light (Sedan model)
	Luggage room light (Wagon model)
	Navigation control module
FB-12	Clock
	TV monitor
FB-13	Seat heater switch
	Navigation control module
FB-14	Satellite switch
FB-17	TPM control module
	Impact sensor
	Combination meter
	Occupant detection control module
FB-18	Body integrated unit
	Auto A/C control module
FB-19	Remote control mirror switch
FB-20	Seat heater relay
	Vanity mirror illumination LH (Without home link)
	Vanity mirror illumination RH
	Home link
FB-21	Rear accessory power supply socket (Console box)
	Rear accessory power supply socket (Luggage room)
FB-22	Front accessory power supply socket
FB-23	Rear wiper motor
FB-24	Body integrated unit
	Rear washer motor
FB-25	Audio
	Clock
	Navigation control module
	TV monitor
FB-27	Front washer motor
	Front wiper motor
	Combination switch
FB-28	Body integrated unit
FB-29	TCM
	Auto A/C control module
FB-31	TV monitor

No.	Load
FB-32	ECM
	Clutch switch (MT model)
	Sunroof control unit
	Seat belt & airbag warning light
	Wiper de-icer relay
	Stop light & brake switch
	Sunroof switch (tilt•open/close switch)
	Data link connector
FB-33	Clock
FB-34	Turn signal and hazard unit
FB-35	Inhibitor switch (4AT model)
	Daytime running light control module
	Back-up light switch
	Back-up light relay (5AT model)
	Daytime running light relay
FB-36	Combination meter
FB-37	Body integrated unit
FB-38	ECM
	PV-IGN relay (5AT model)
	TCM
	Ignition coil
	Fuel pump relay
FB-39	Airbag control module
FB-41	Airbag control module
FB-42	Power window relay
FB-44	ABS control module
	VDC control module
FB-45	A/C control panel
FB-46	A/C relay
	Intake door actuator
	Sub fan relay
	Blower fan relay
	Mode actuator
	Airbag control module
FB-48	TPM control module
	Power seat LH (with seat position memory)
	Impact sensor
ALT-1	ECM
ST-1	ECM
	Starter relay
	Security relay
	Clutch switch (MT model)
	Inhibitor relay (AT model)
ST-2	Starter relay

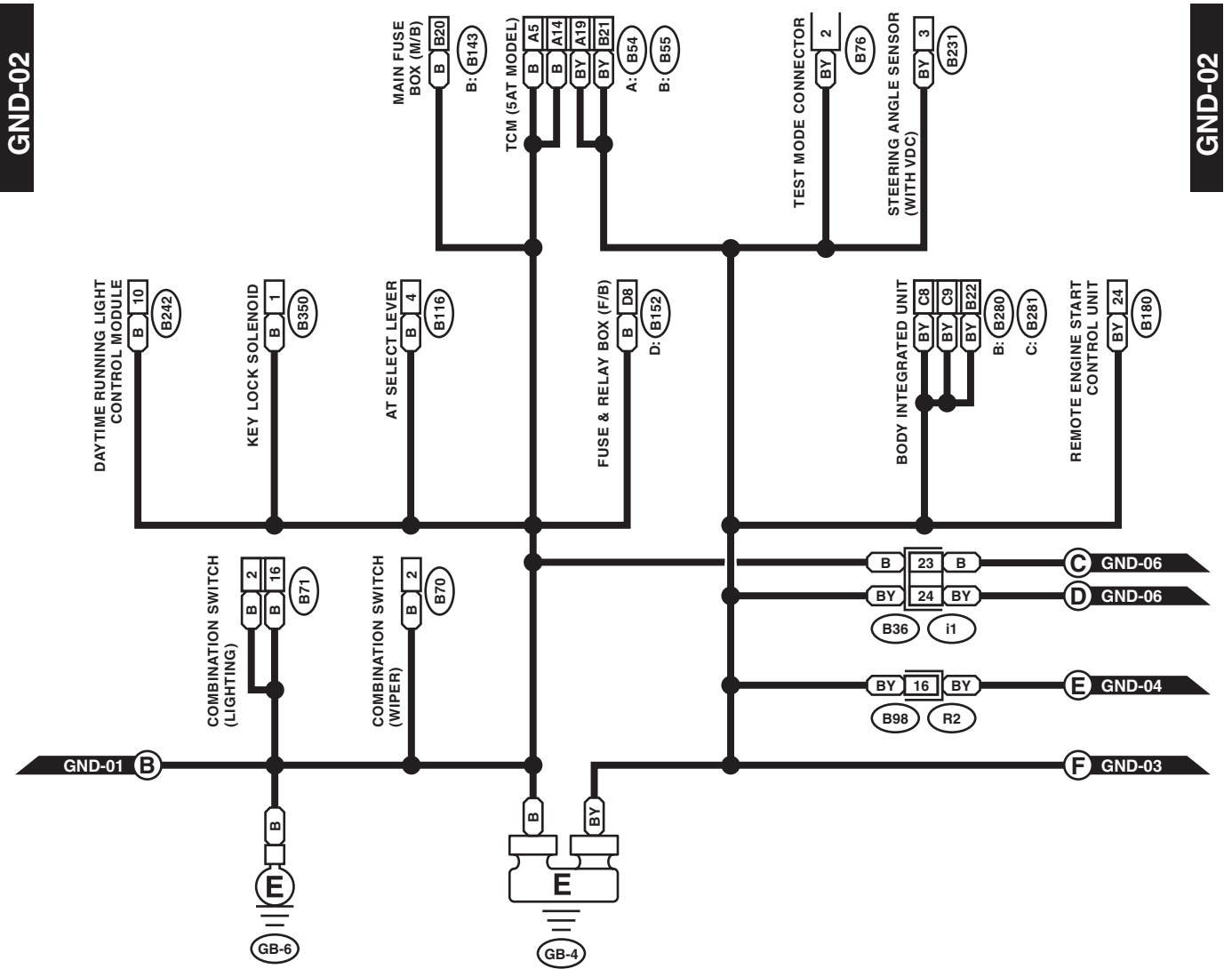
4. Ground Circuit

A: WIRING DIAGRAM

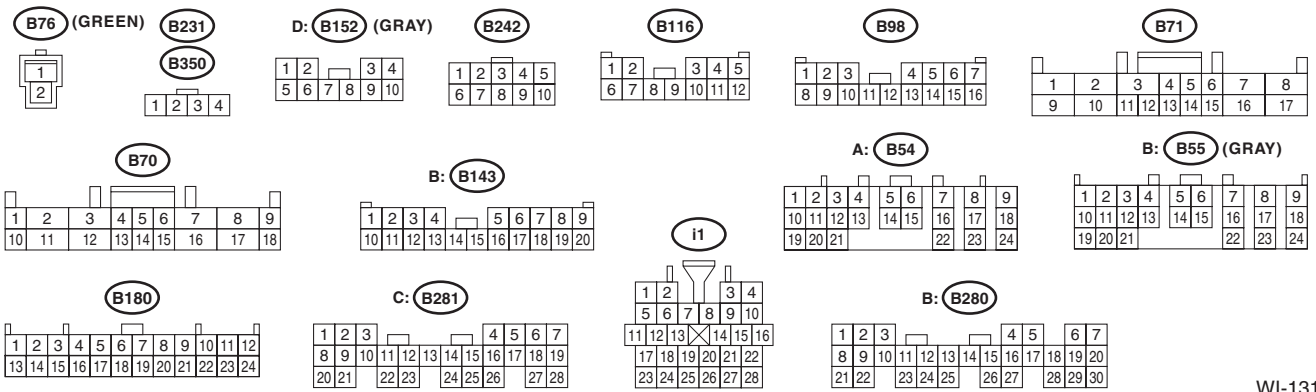


Ground Circuit

WIRING SYSTEM



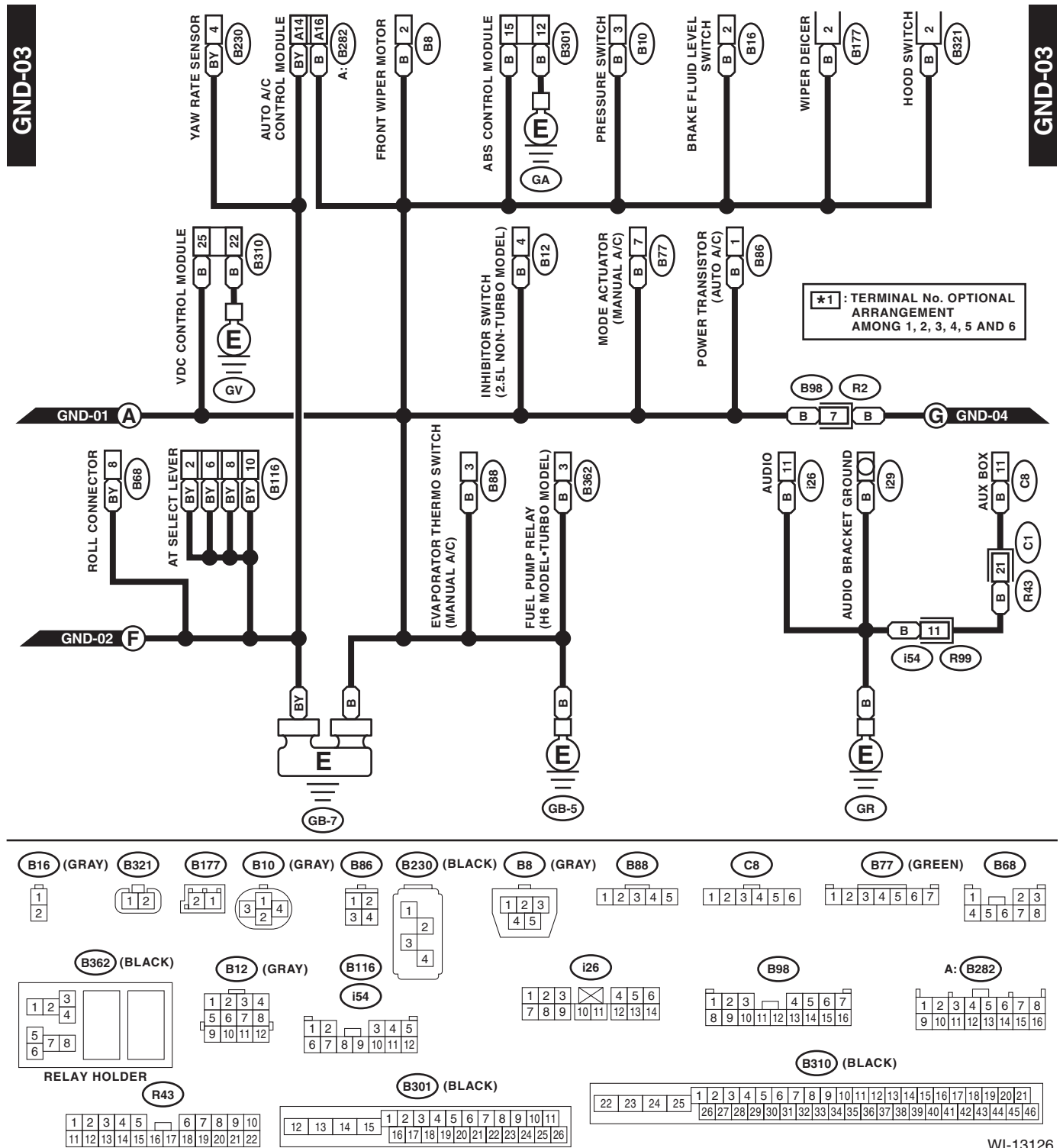
GND-02



WI-13125

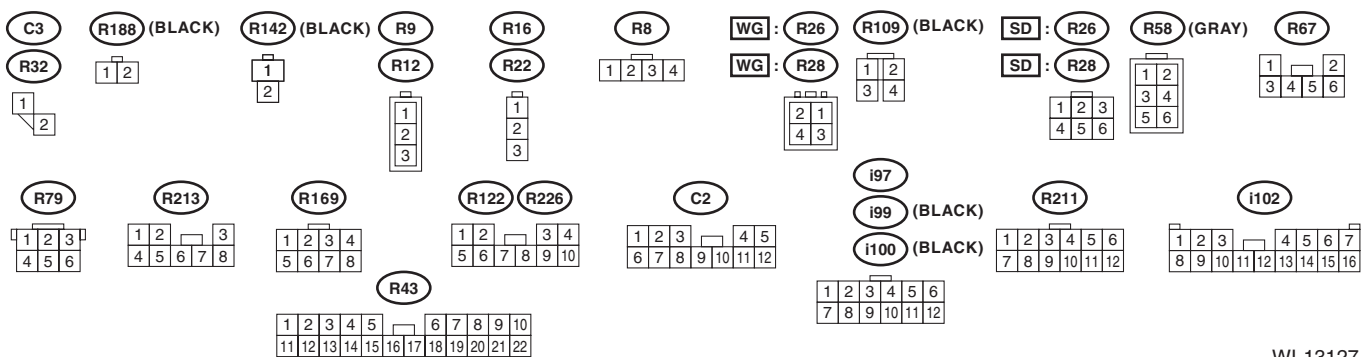
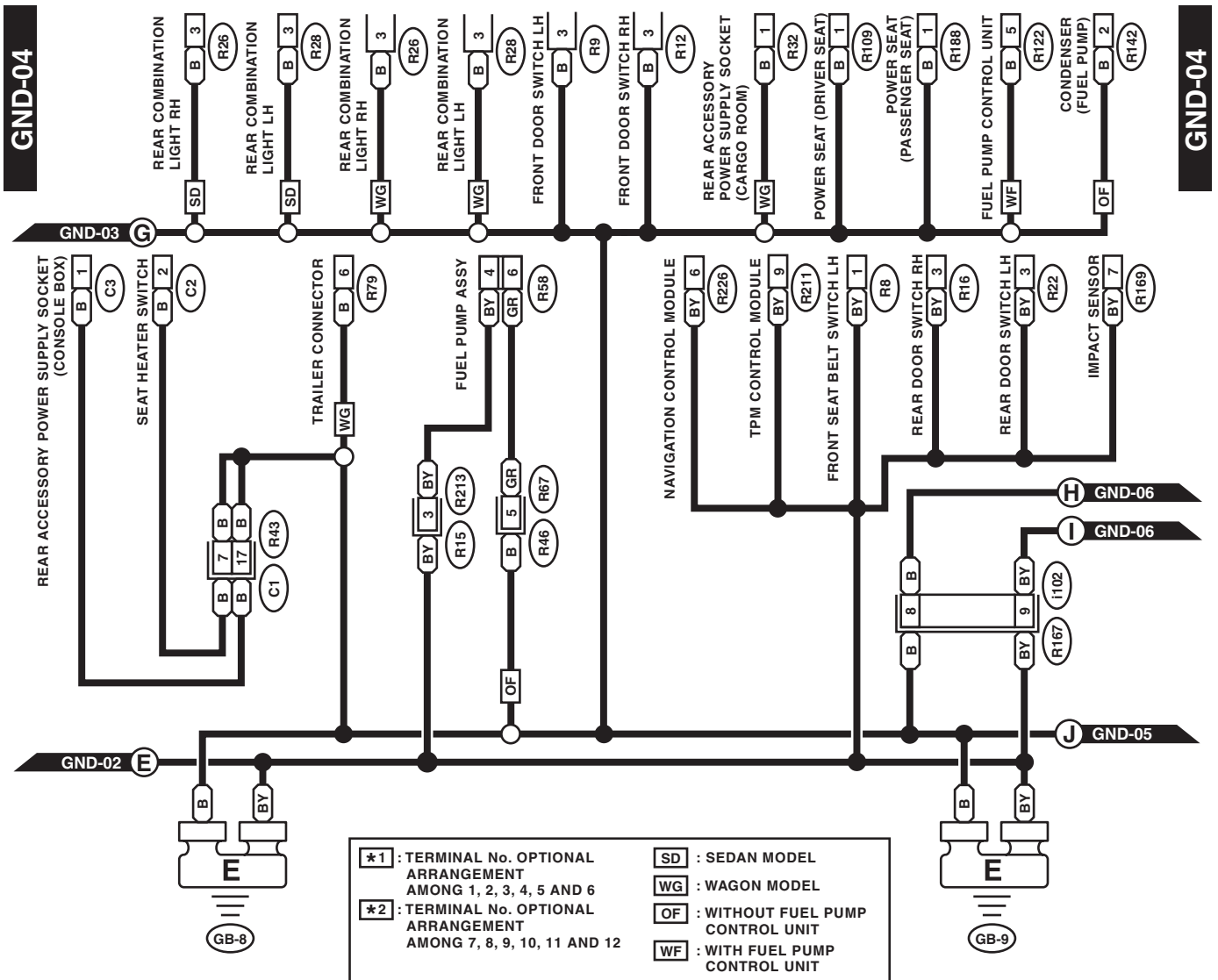
Ground Circuit

WIRING SYSTEM



Ground Circuit

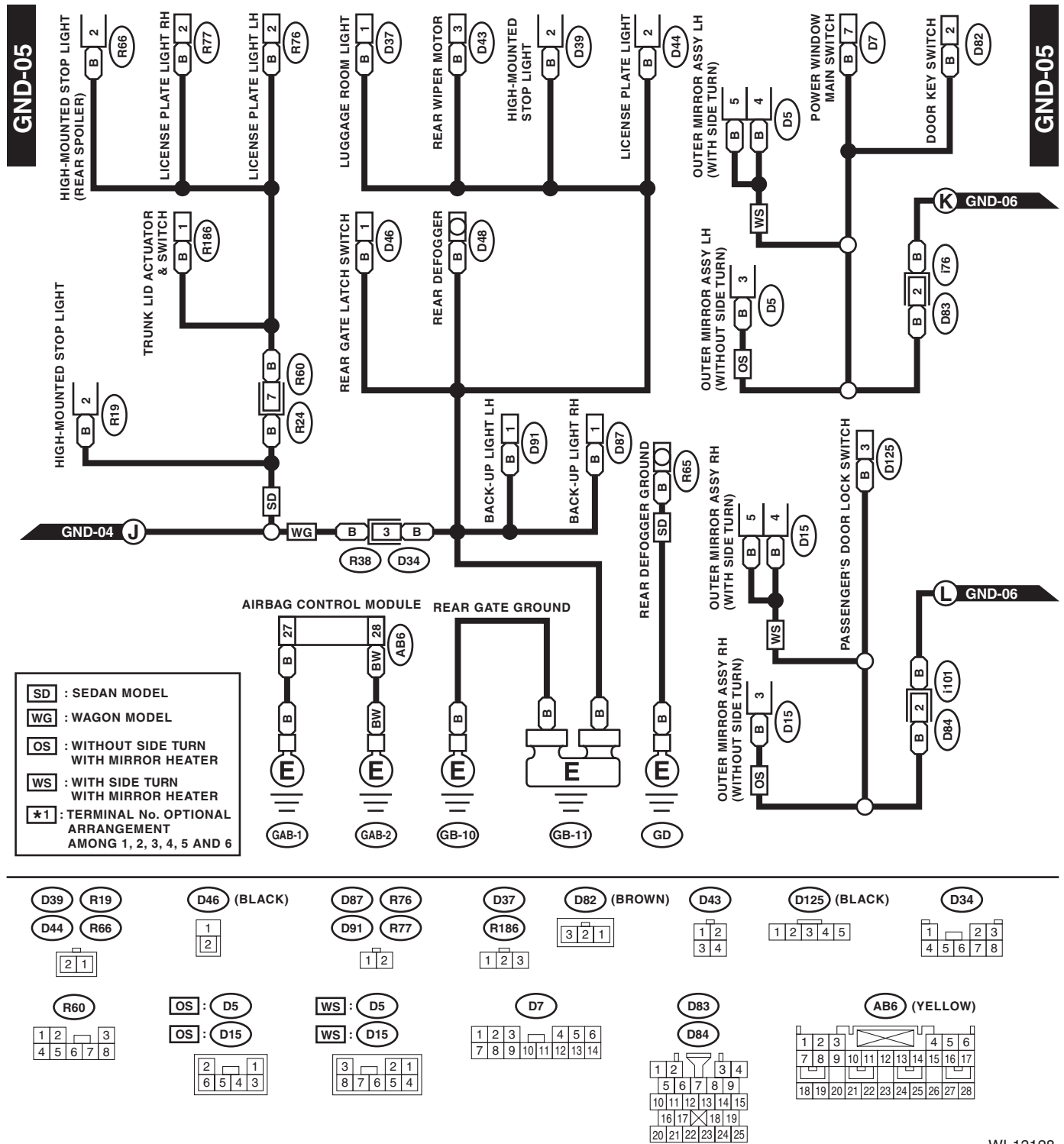
WIRING SYSTEM



WI-13127

Ground Circuit

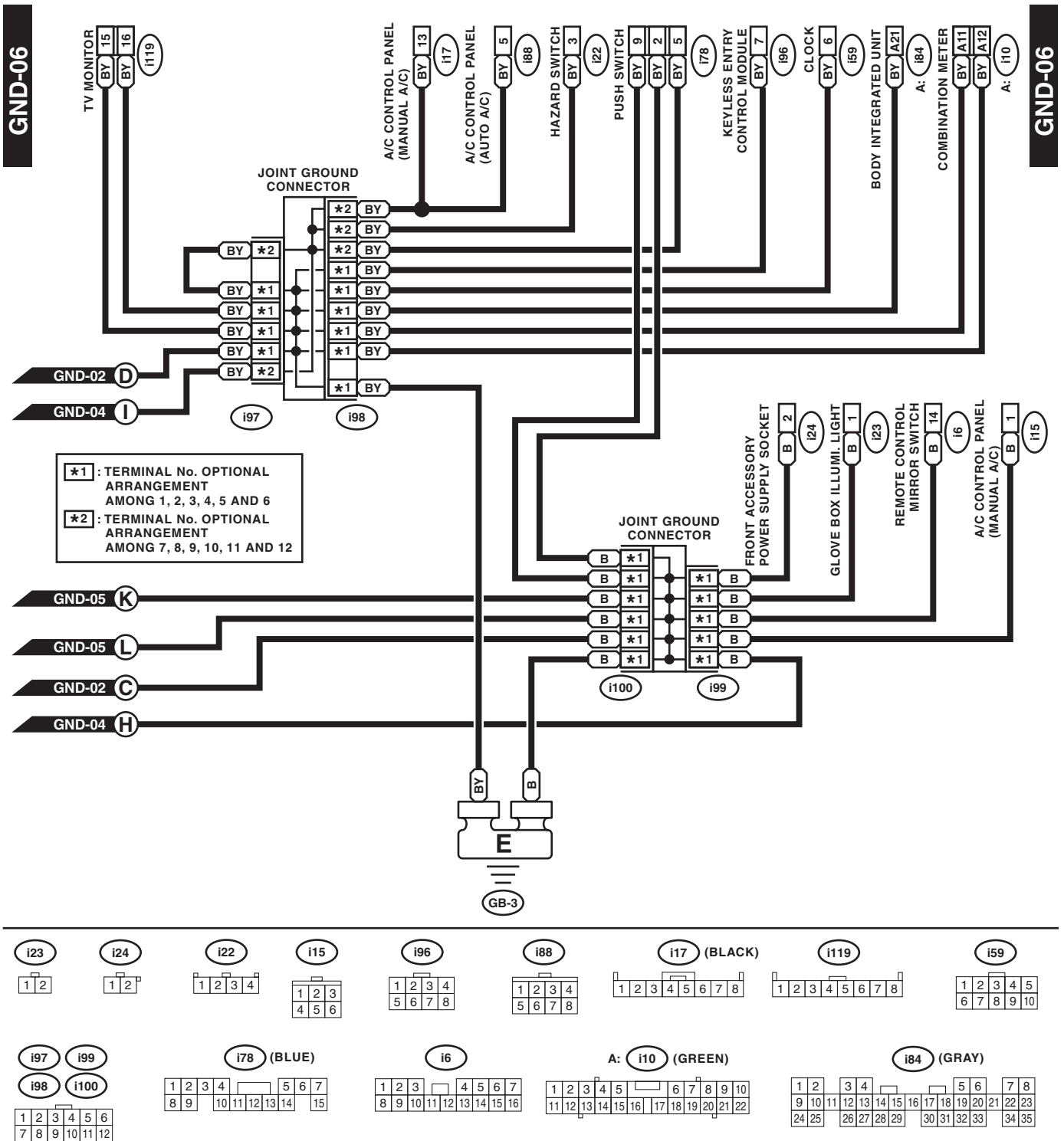
WIRING SYSTEM



WI-13128

Ground Circuit

WIRING SYSTEM



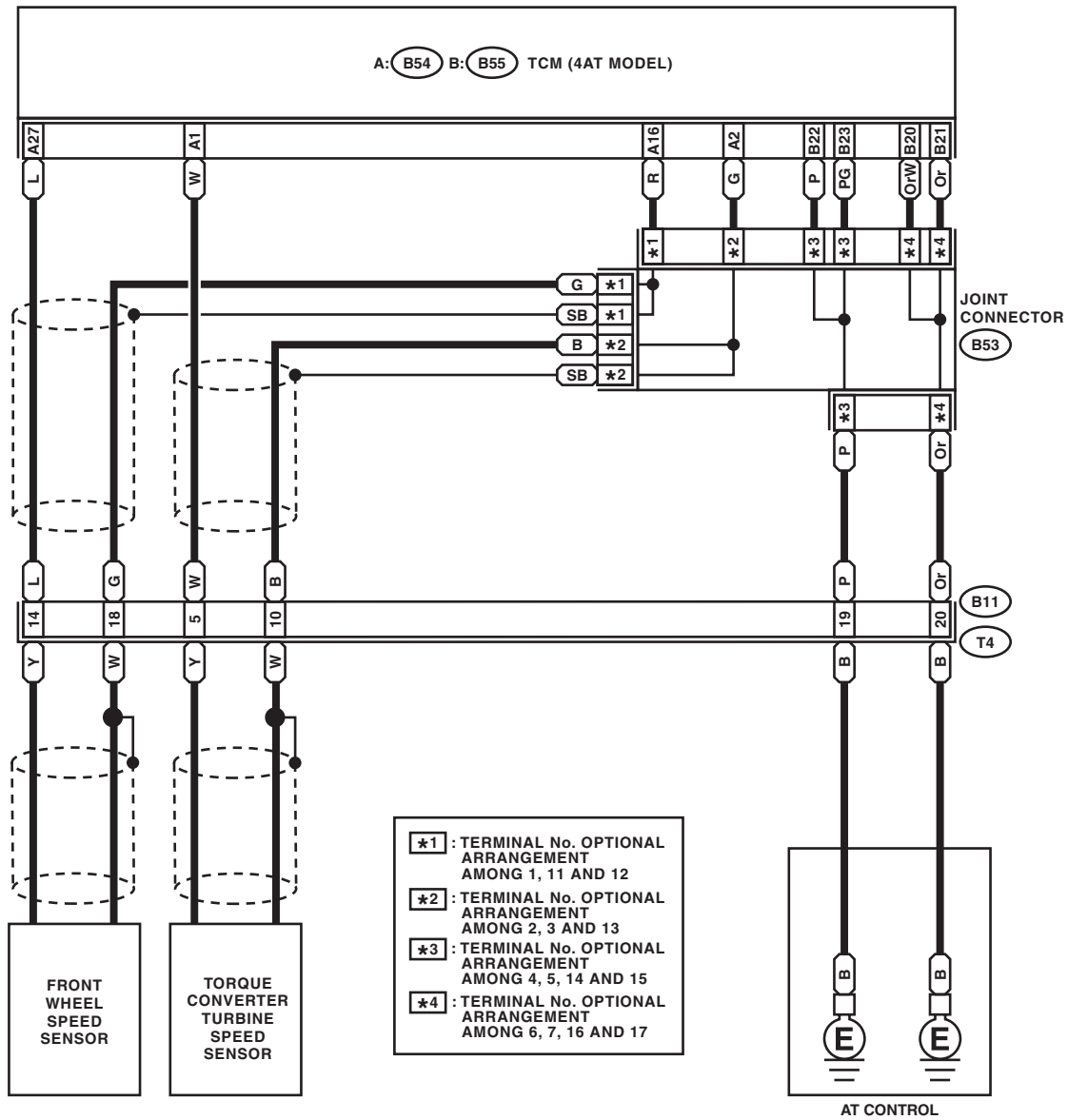
WI-13311

Ground Circuit

WIRING SYSTEM

GND-07

GND-07



(B11) (GRAY)

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

(B53)

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

A: (B54)

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	

B: (B55)

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

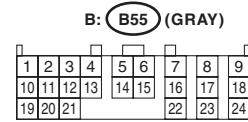
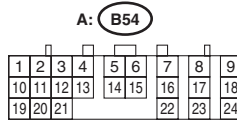
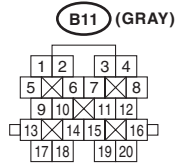
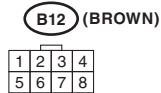
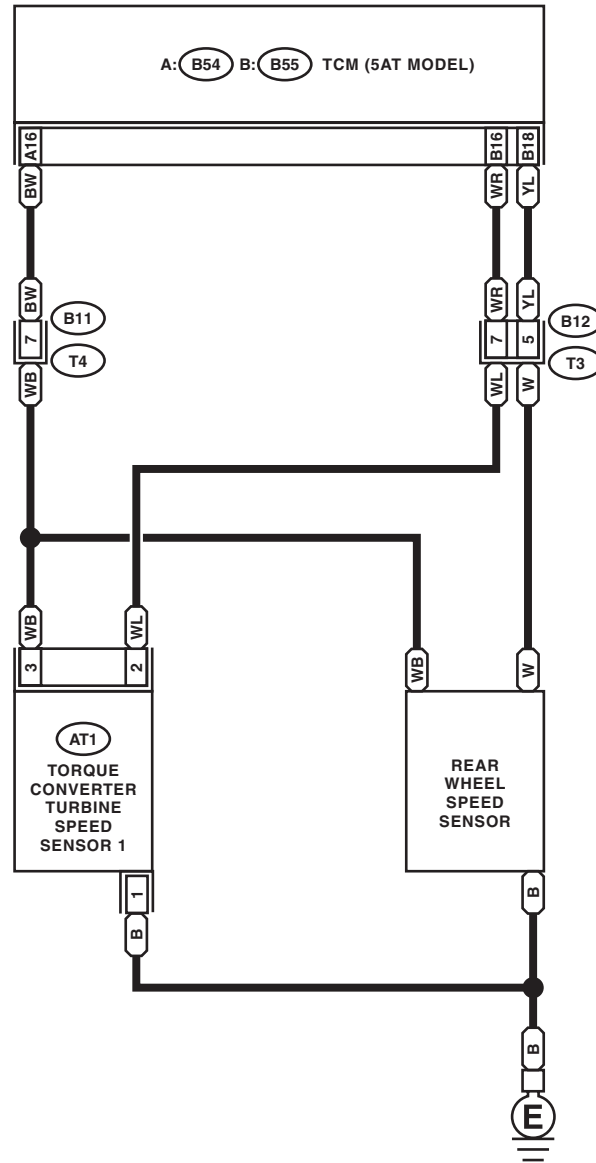
WI-13129

Ground Circuit

WIRING SYSTEM

GND-08

GND-08



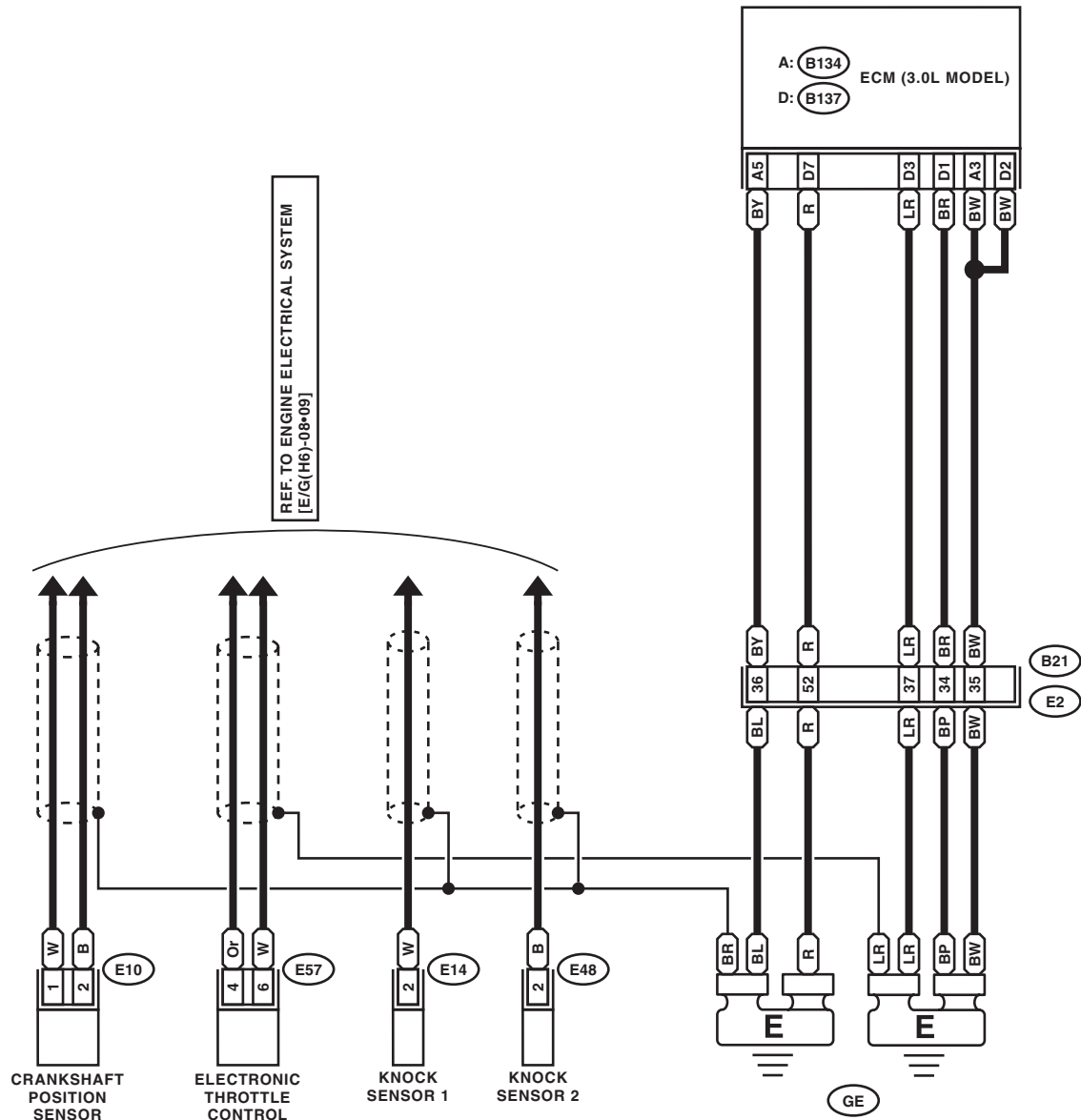
WI-13130

Ground Circuit

WIRING SYSTEM

GND-10

GND-10



E10 (LIGHT GRAY)

E57 (BLACK)

D: B137

A: B134

B21 (BLACK)

E14 (BLUE)

1 2 3 4 5 6

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

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

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

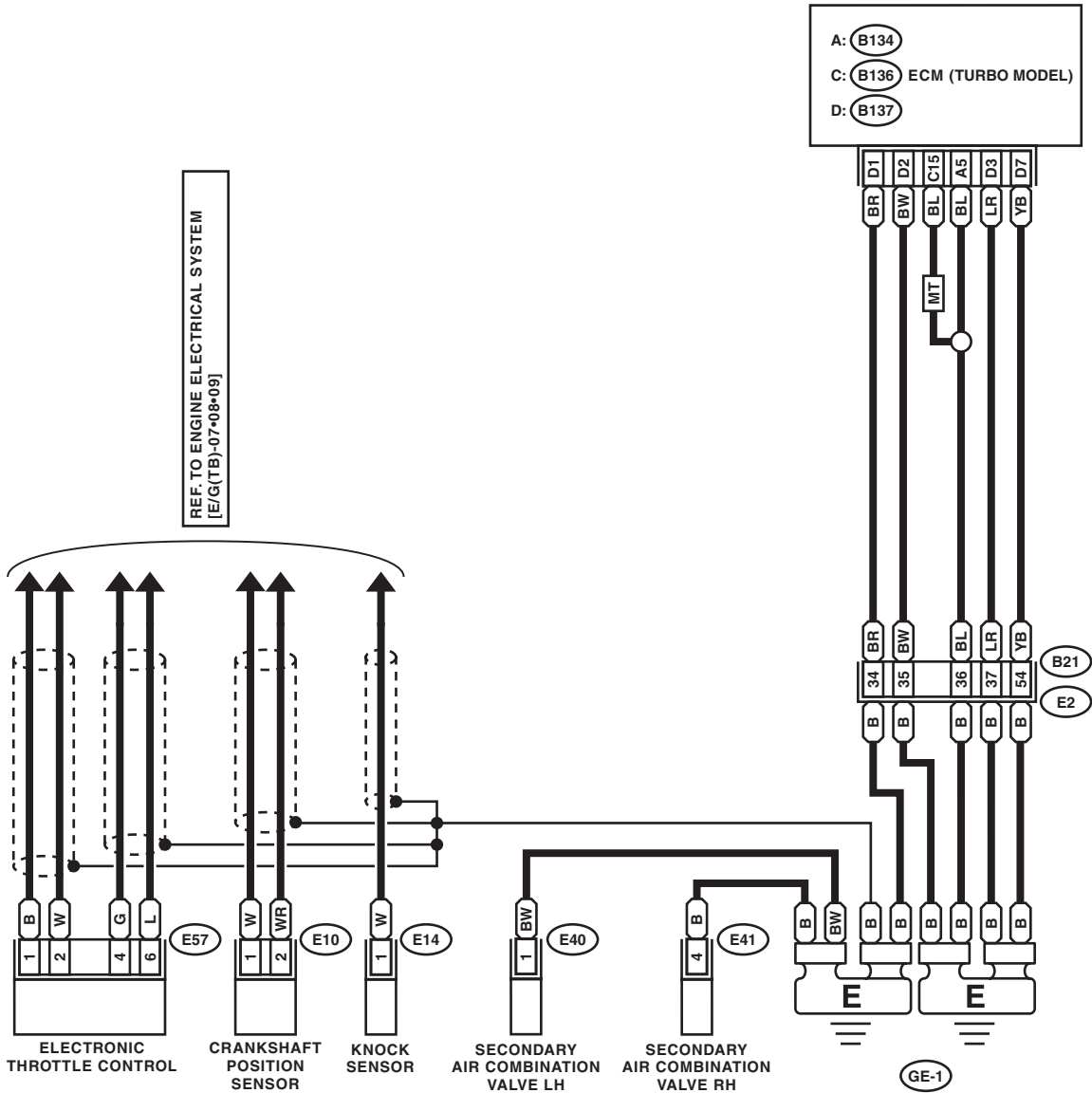
WI-13132

Ground Circuit

WIRING SYSTEM

GND-11

GND-11



E10 (LIGHT GRAY) E14 (LIGHT GRAY) E41 (BLACK) E57 (BLACK)

E40 (BLACK)

1 2

A: B134

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	

C: B136

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	

B21 (BLACK)

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	

D: B137

1	2	3	4	5	6	7
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15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

WI-13133

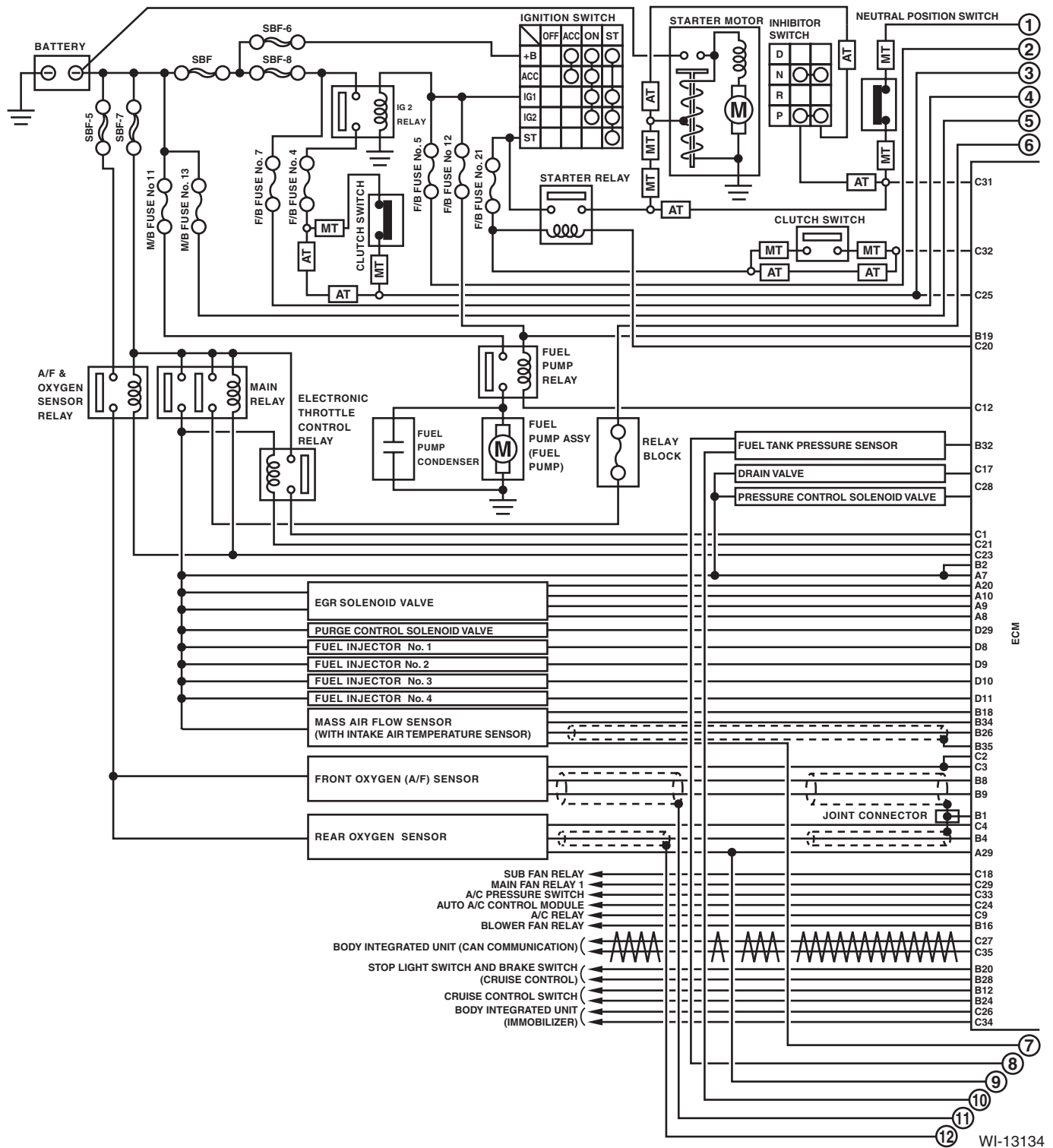
Engine Electrical System

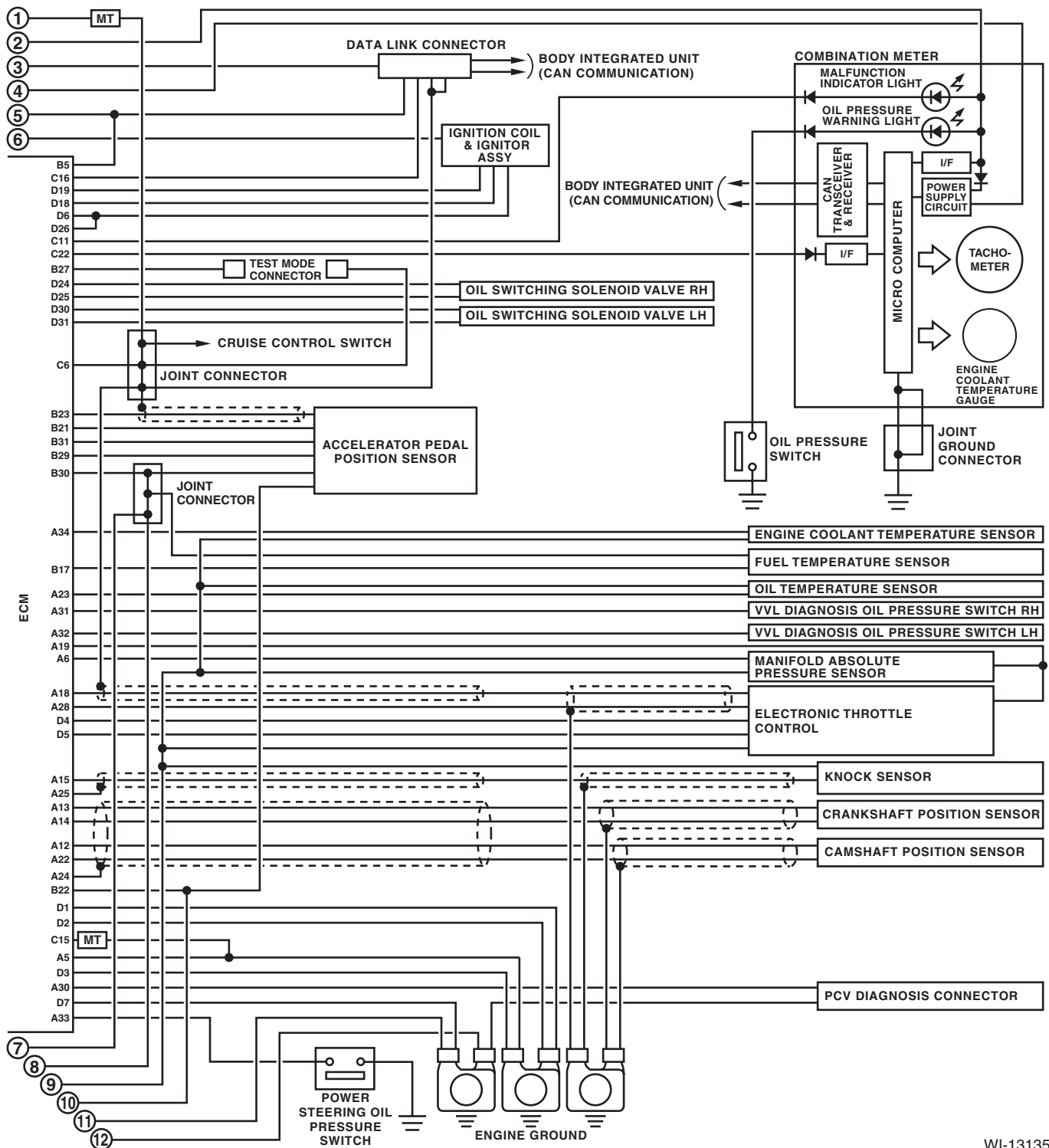
WIRING SYSTEM

5. Engine Electrical System

A: WIRING DIAGRAM

1. 2.5 L NON-TURBO MODEL

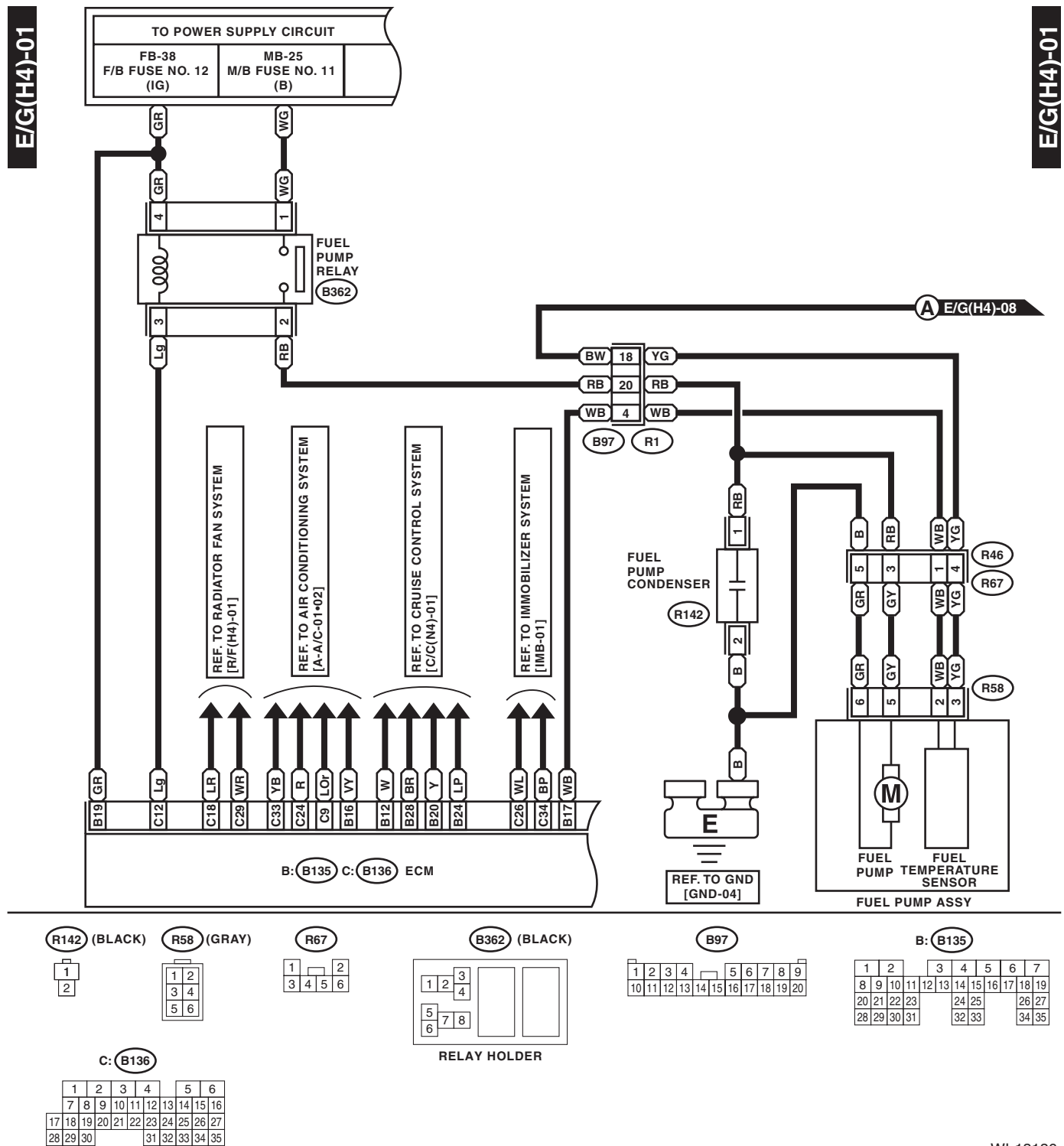


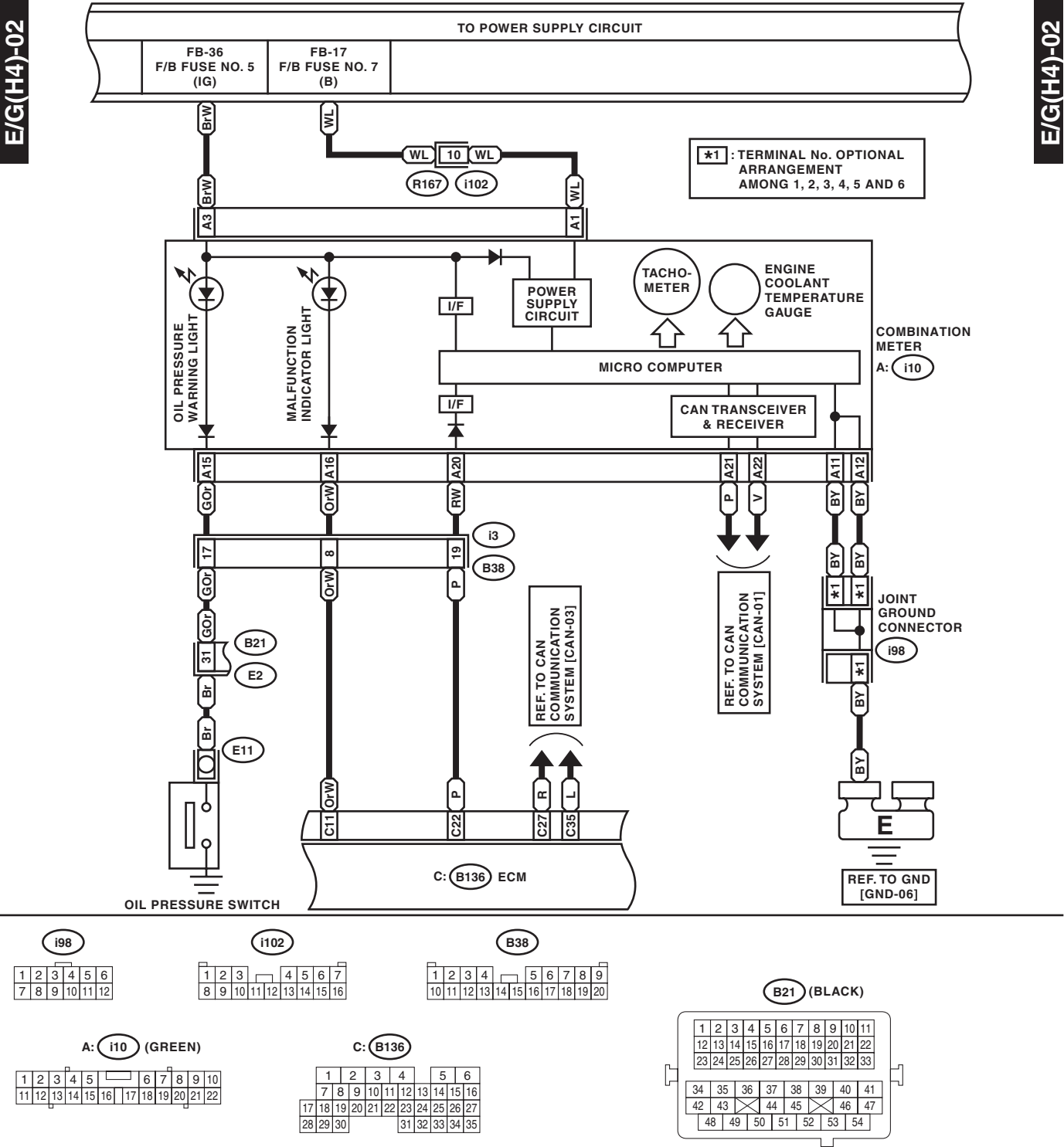


WI-13135

WIRING SYSTEM

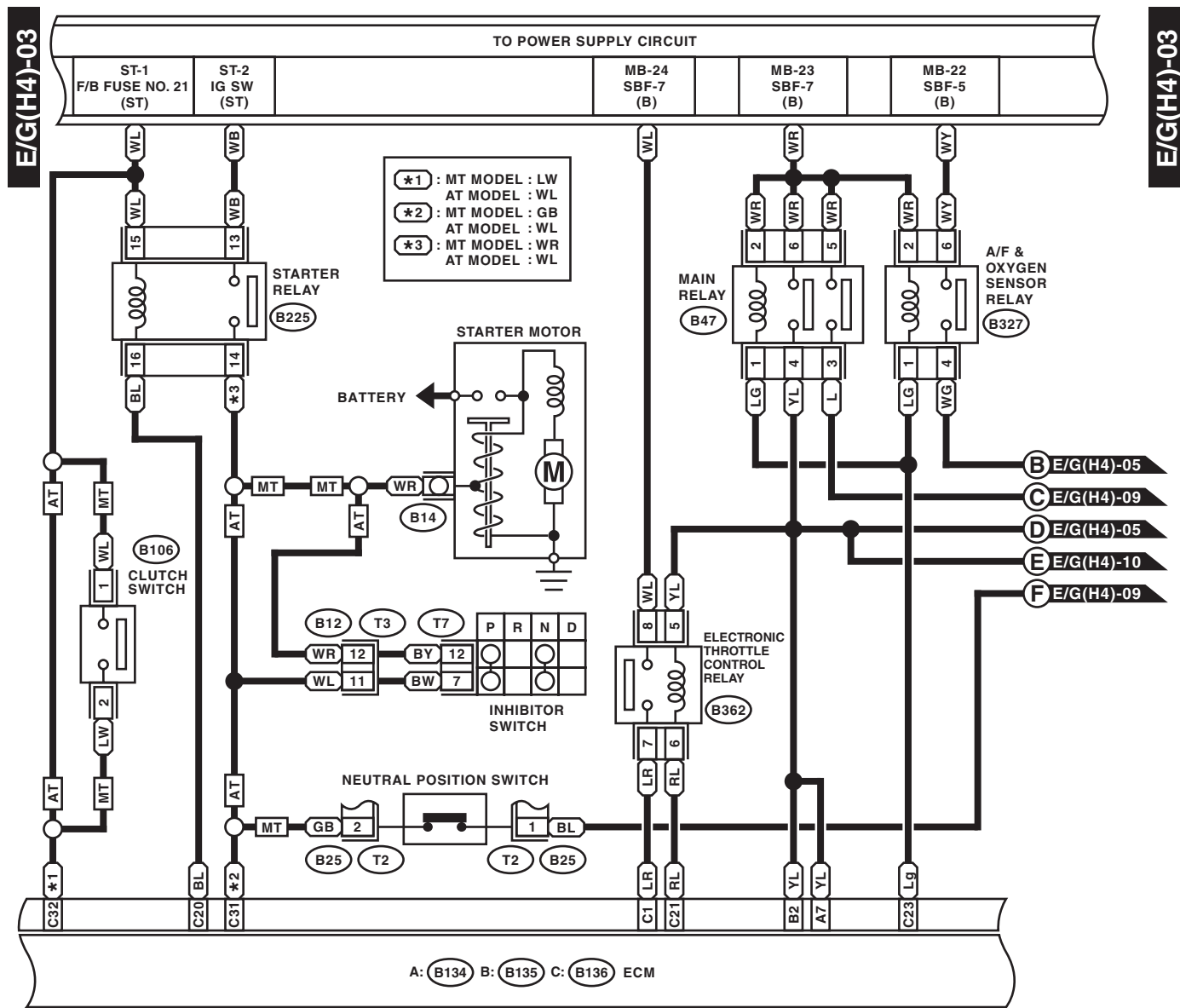
WIRING SYSTEM



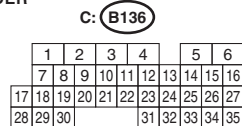
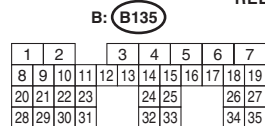
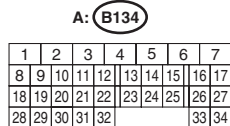
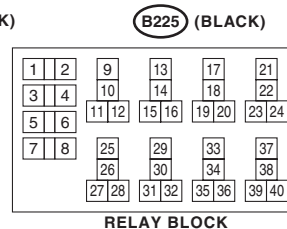
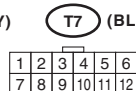
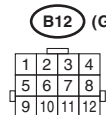
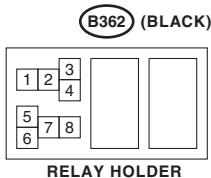
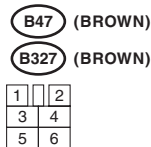
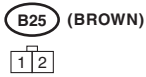


Engine Electrical System

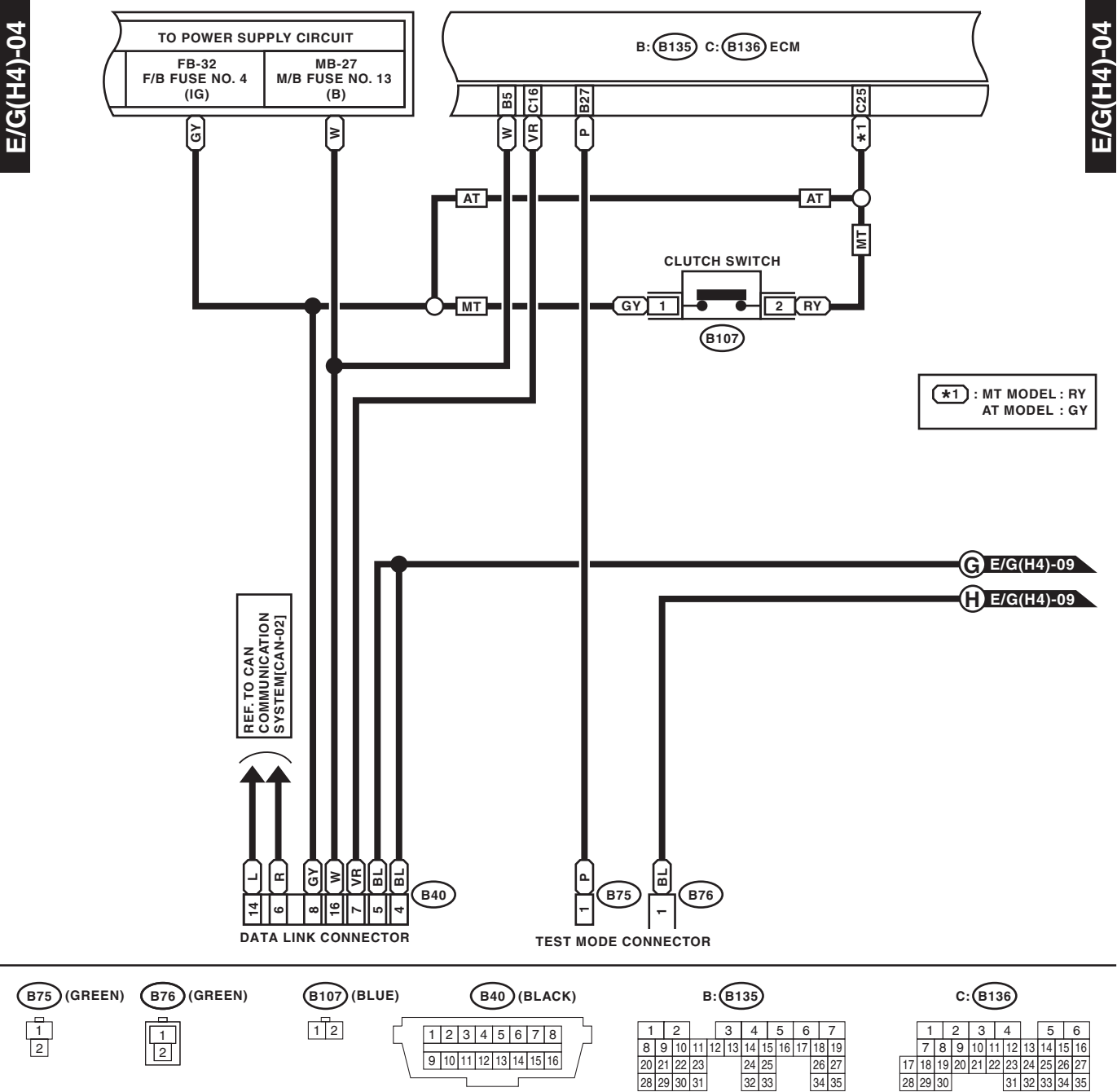
WIRING SYSTEM



E/G(H4)-03



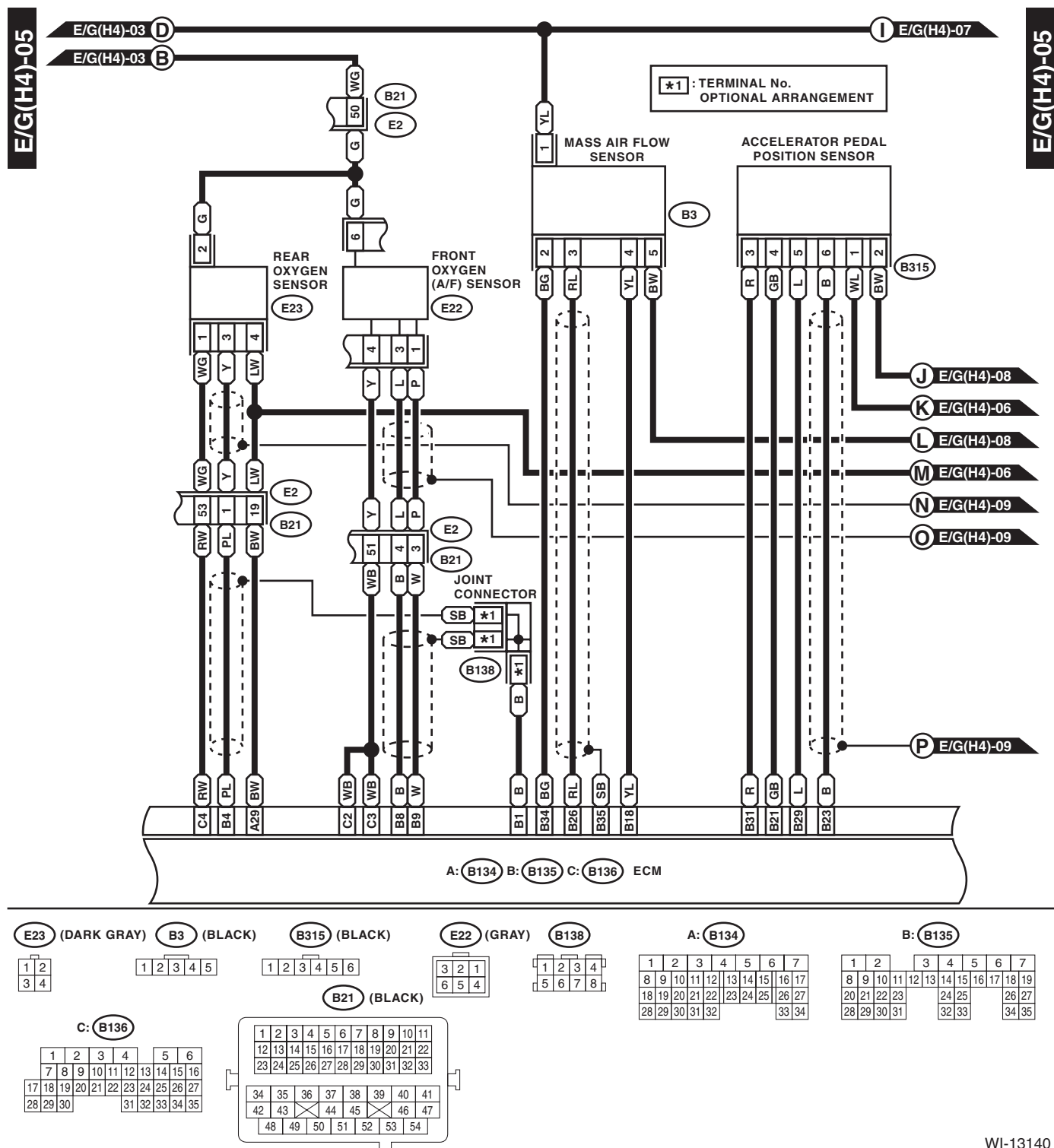
WI-13138



WI-13139

Engine Electrical System

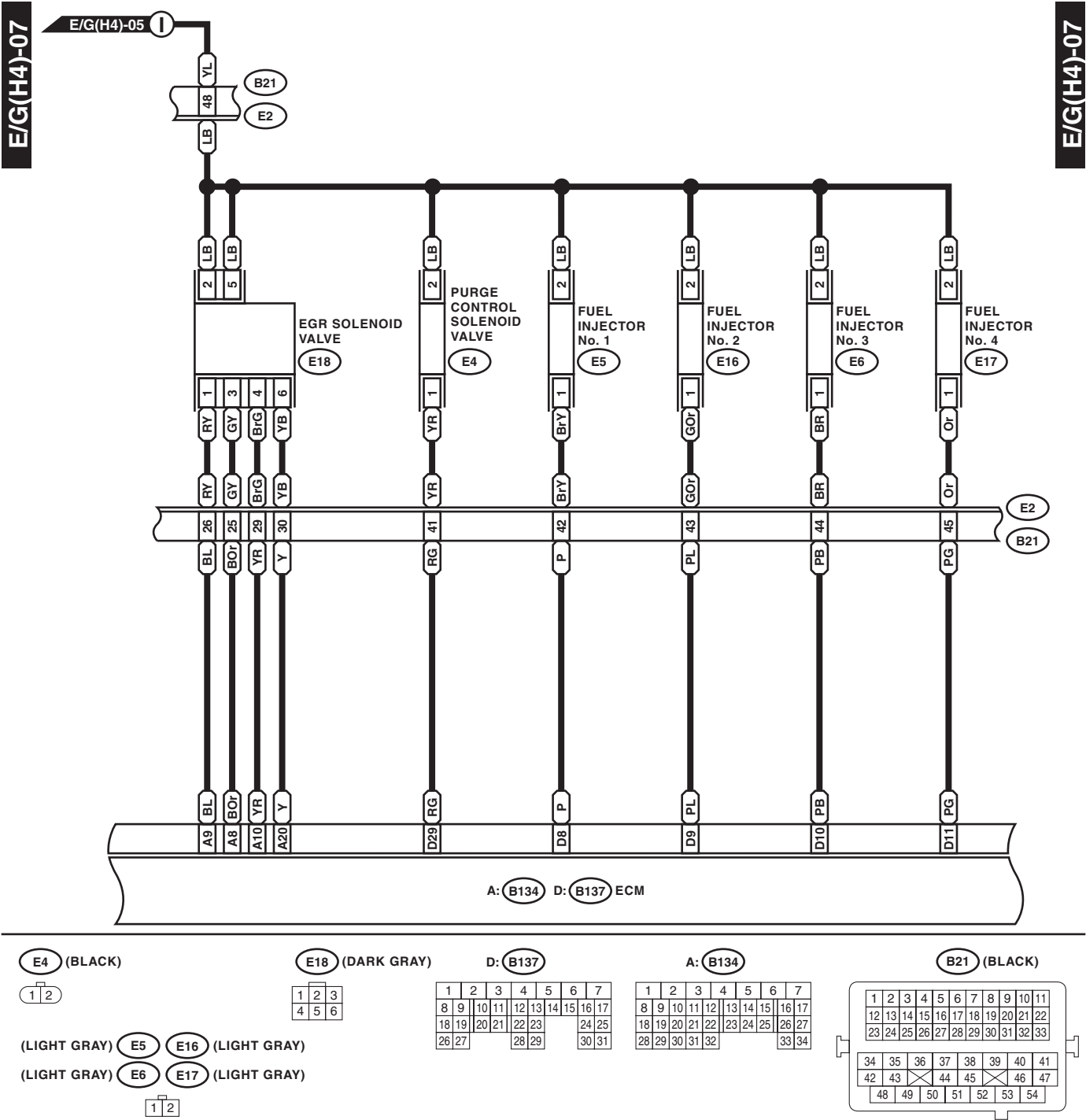
WIRING SYSTEM



WI-13140

Engine Electrical System

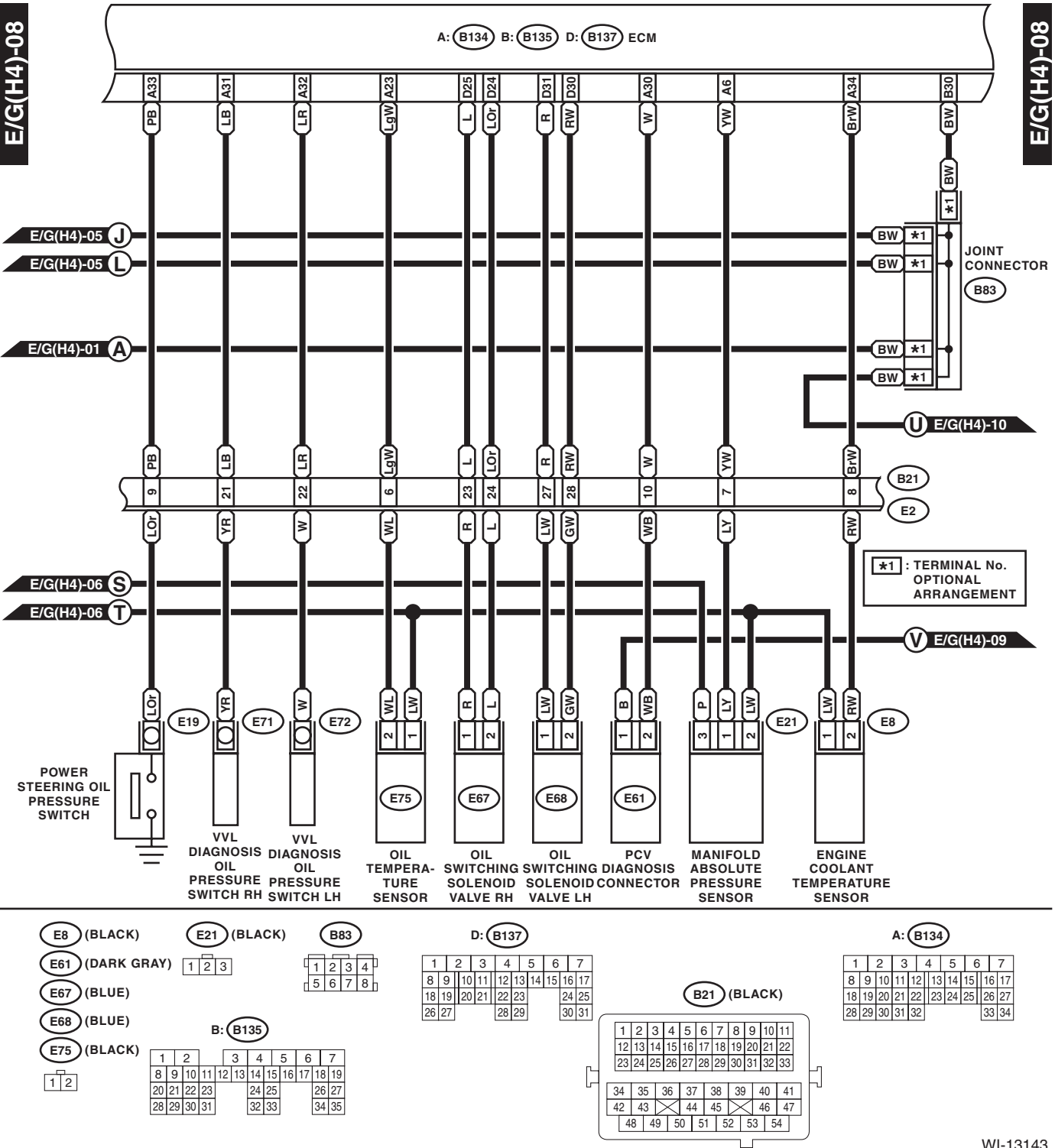
WIRING SYSTEM



WI-13142

Engine Electrical System

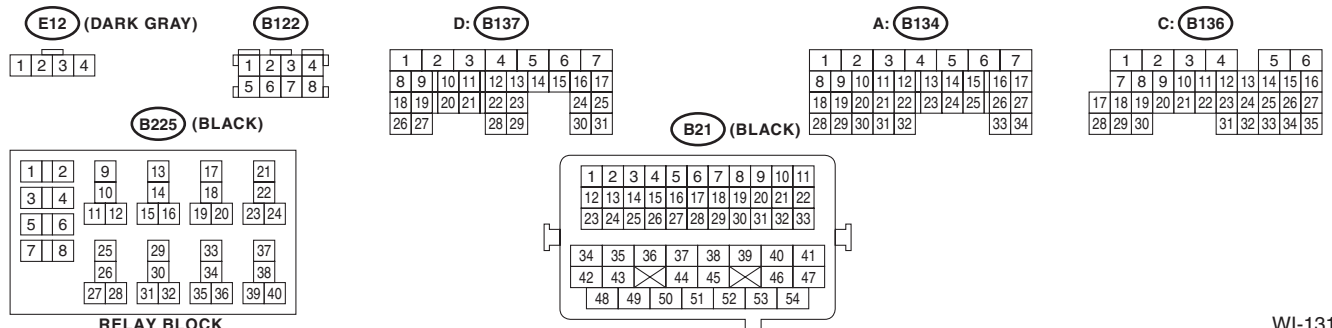
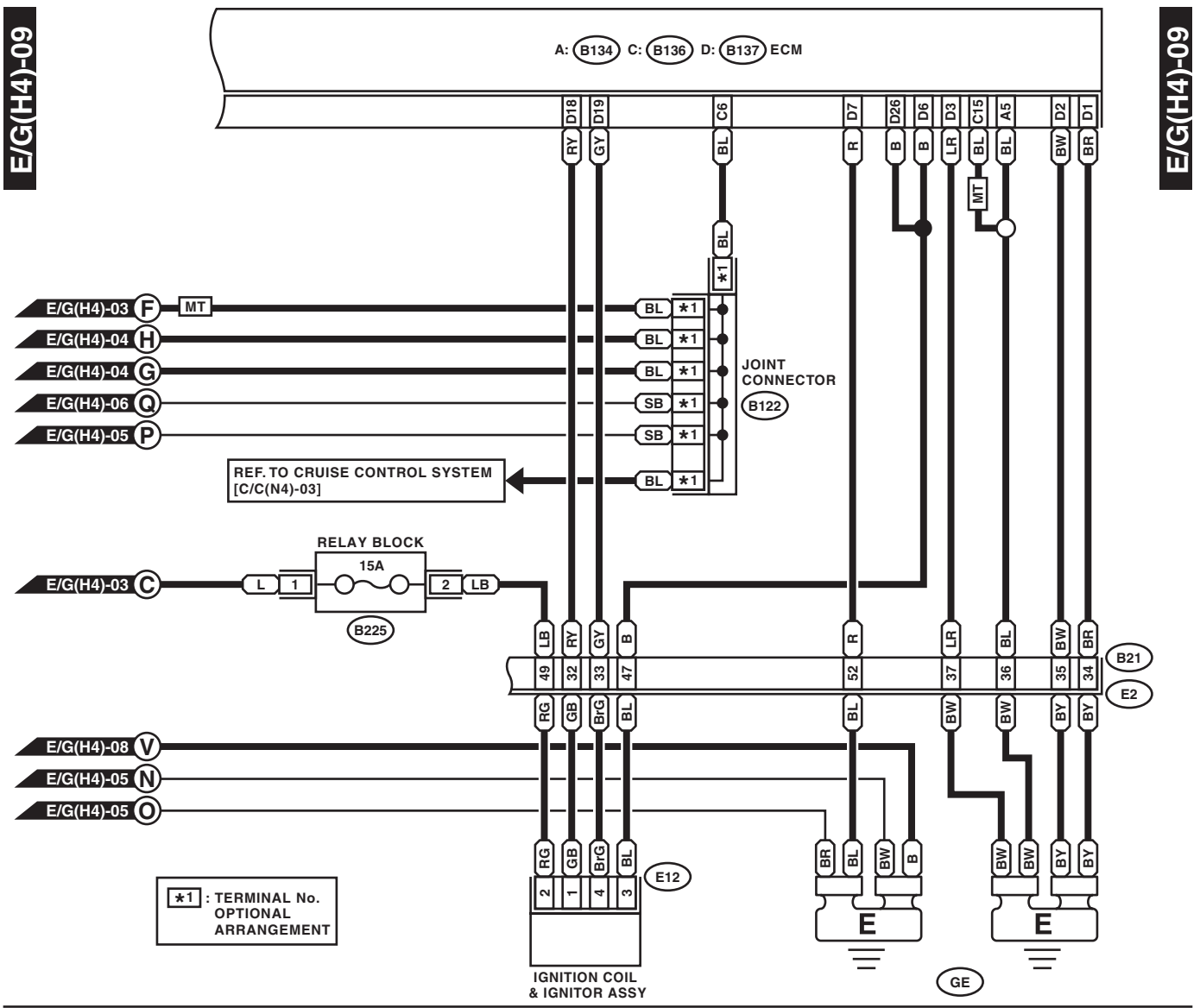
WIRING SYSTEM



WI-13143

Engine Electrical System

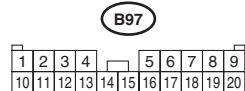
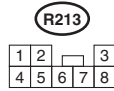
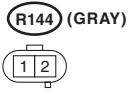
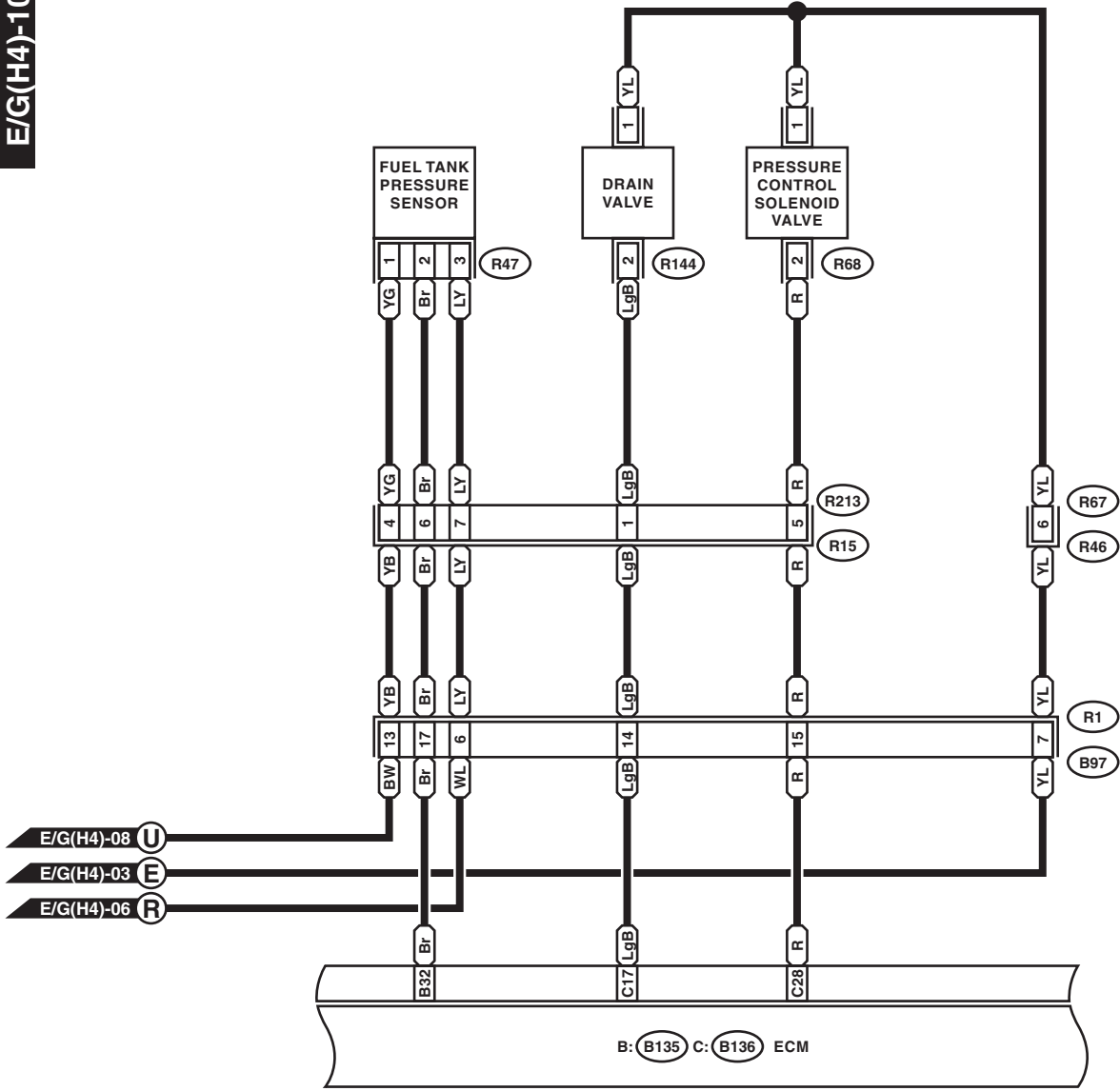
WIRING SYSTEM



WI-13144

E/G(H4)-10

E/G(H4)-10



B: B135

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

C: B136

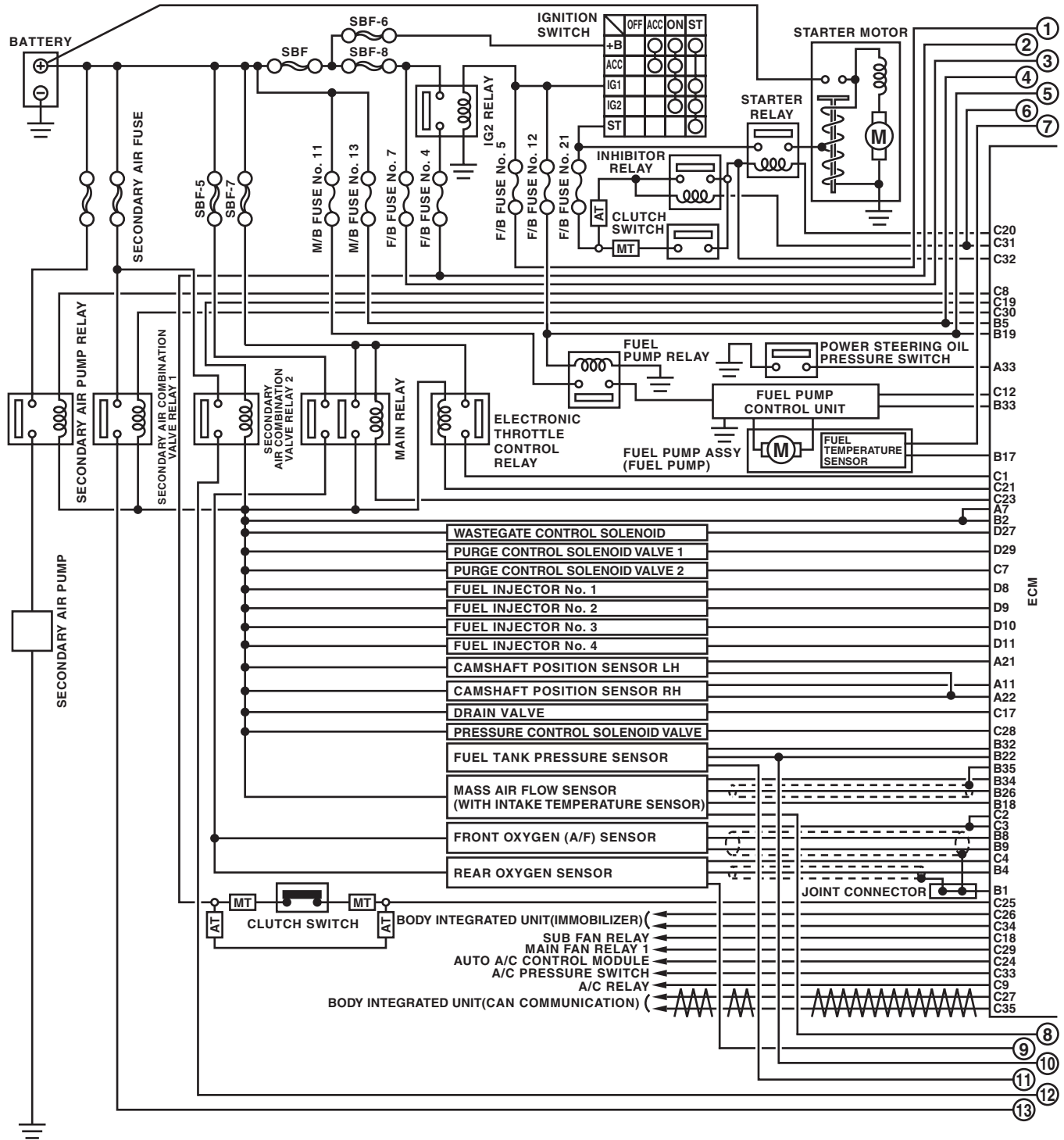
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31	32	33	34	35	

WI-13145

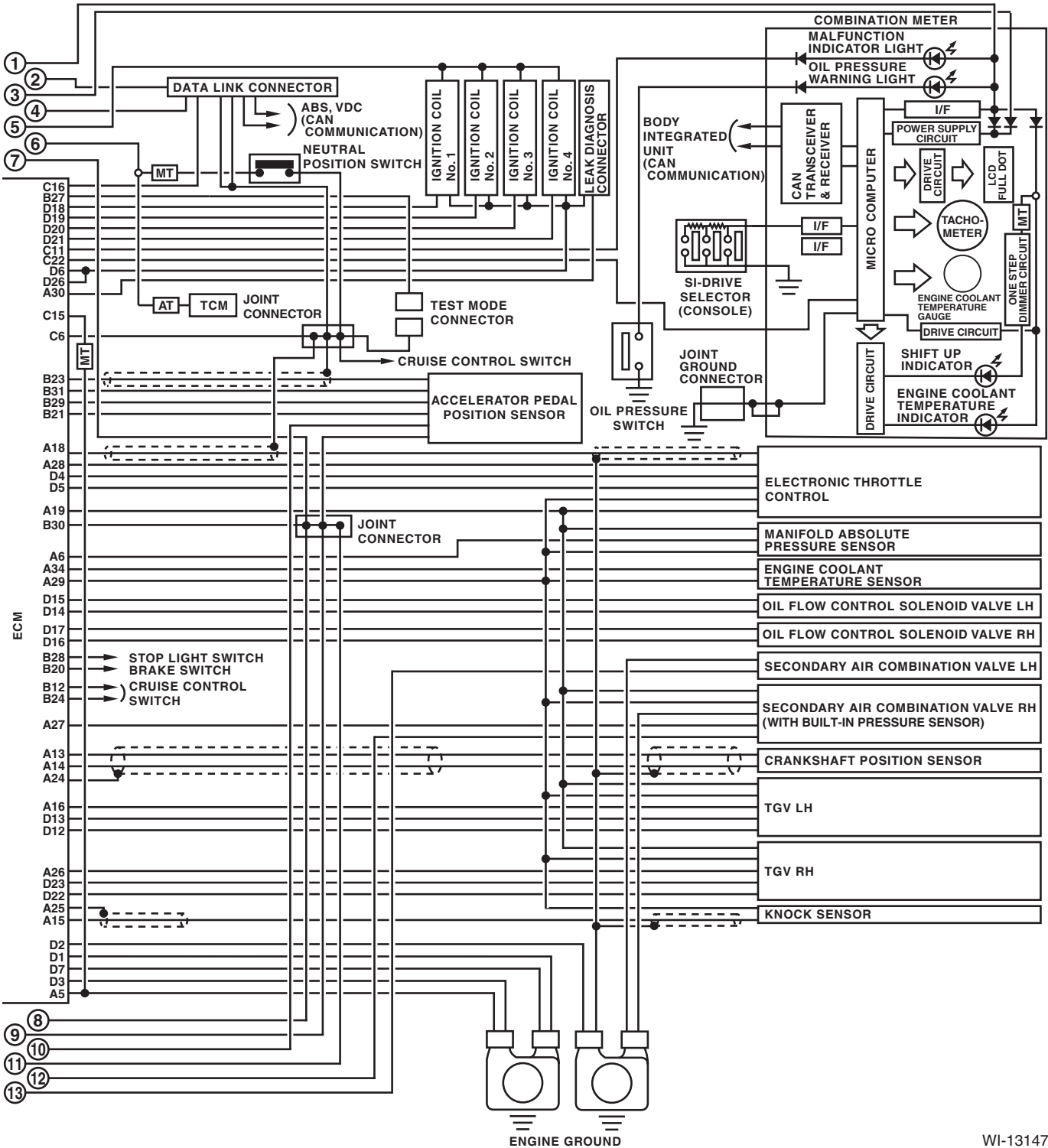
Engine Electrical System

WIRING SYSTEM

2. 2.5 L TURBO MODEL

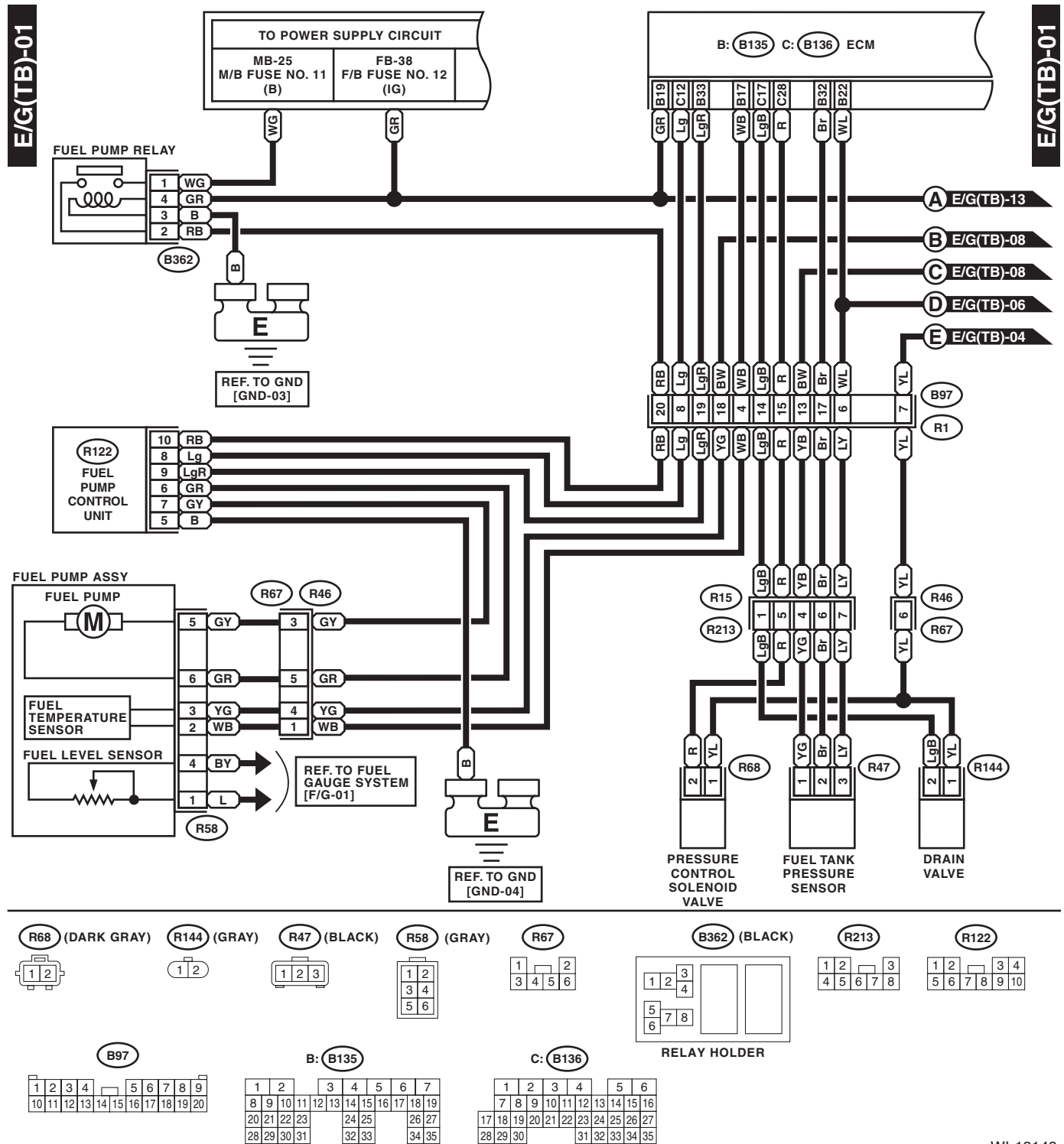


WI-13146



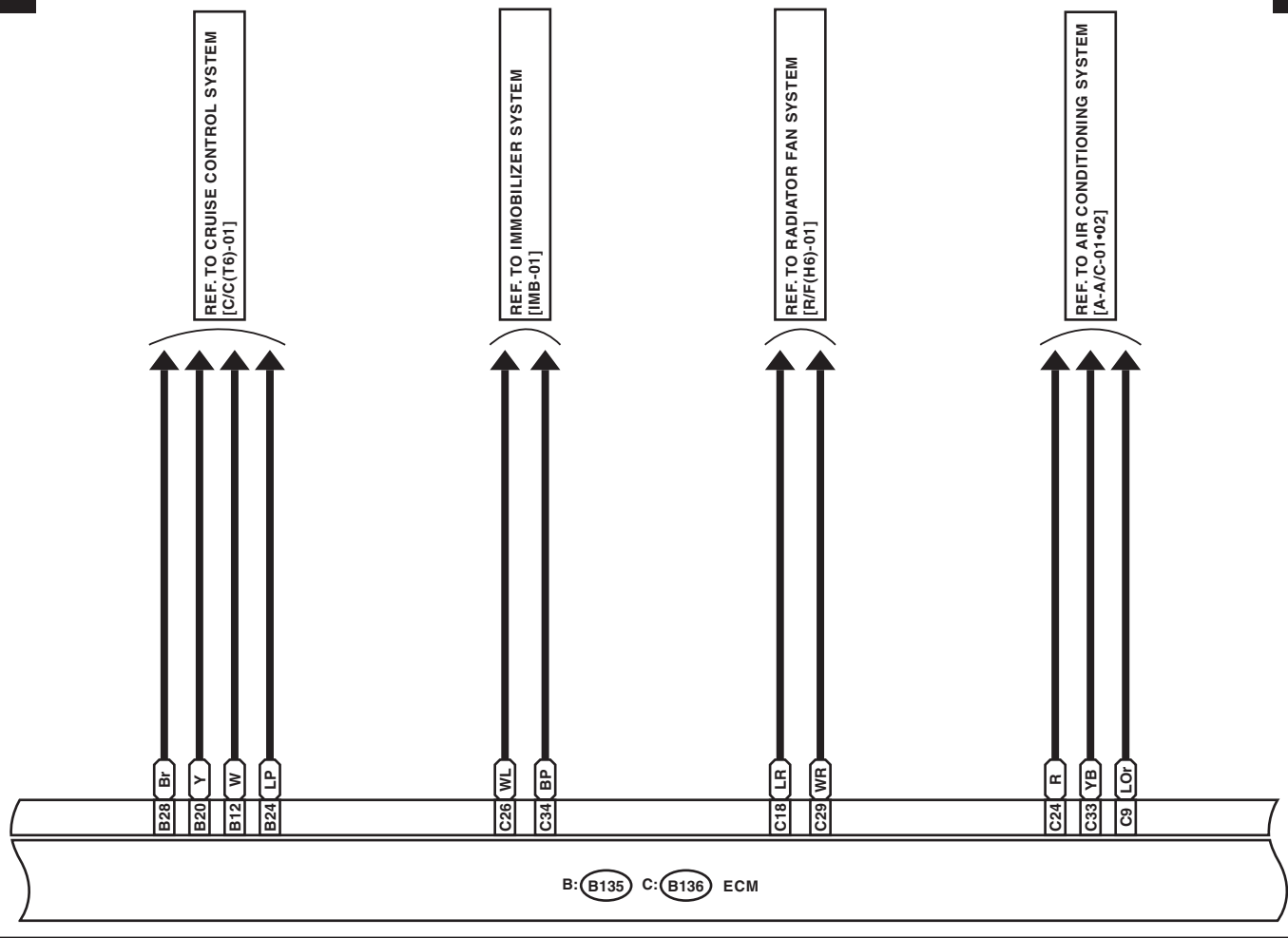
WI-13147

WIRING SYSTEM



E/G(TB)-02

E/G(TB)-02

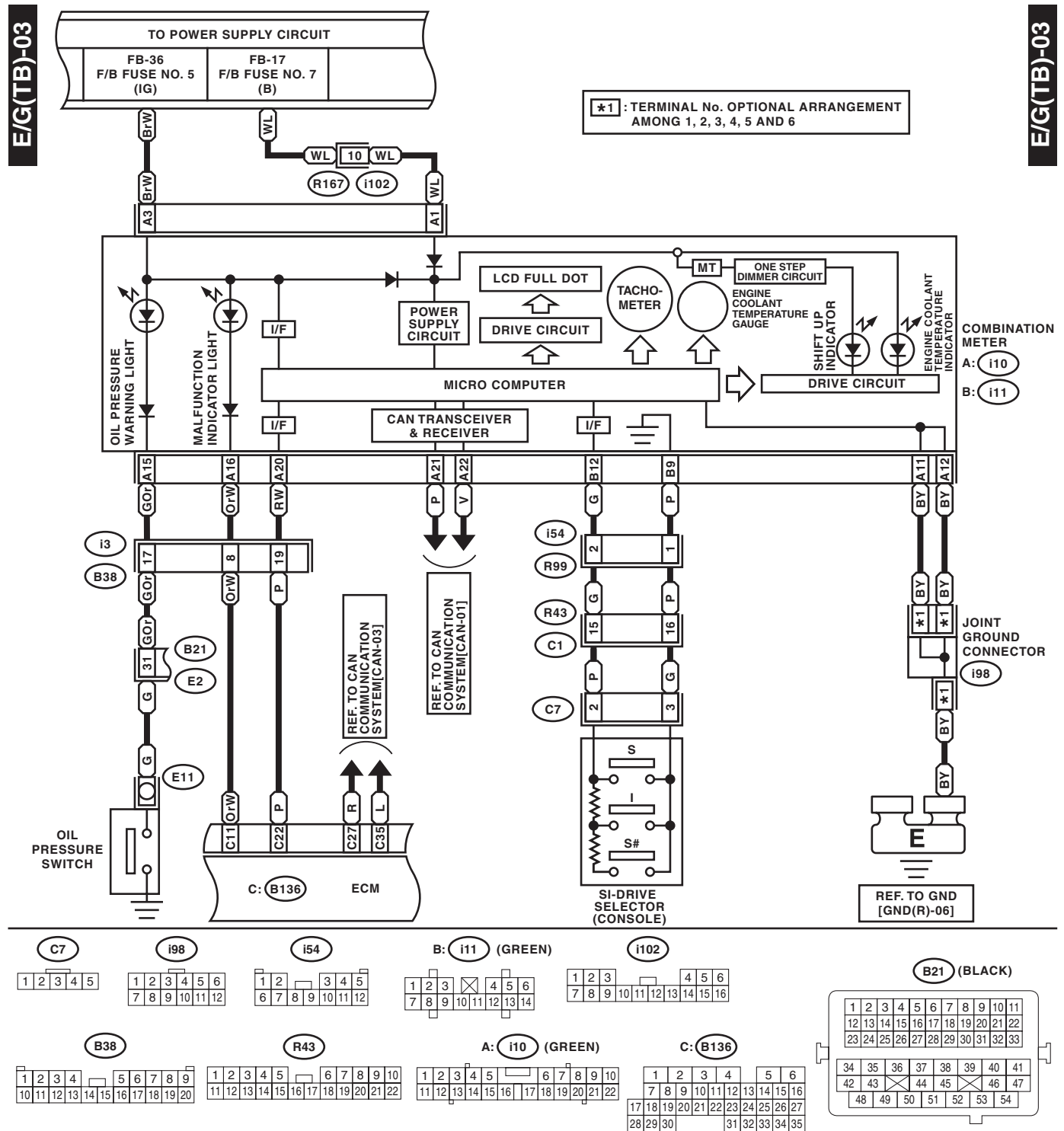


B: B135

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				

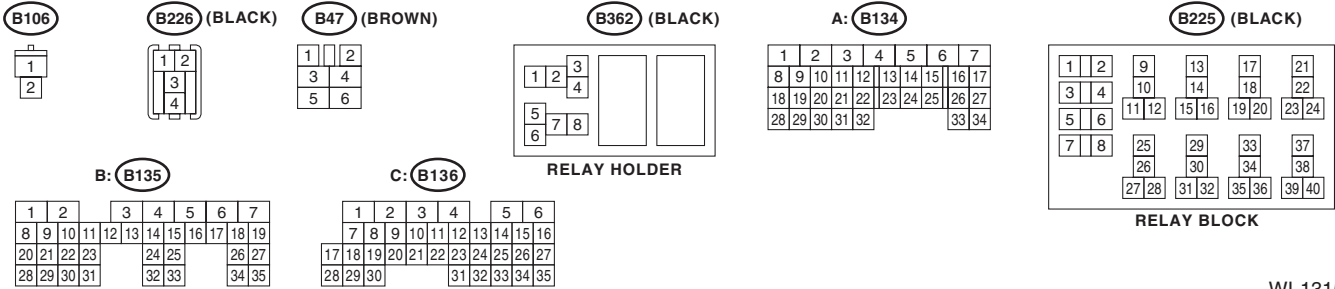
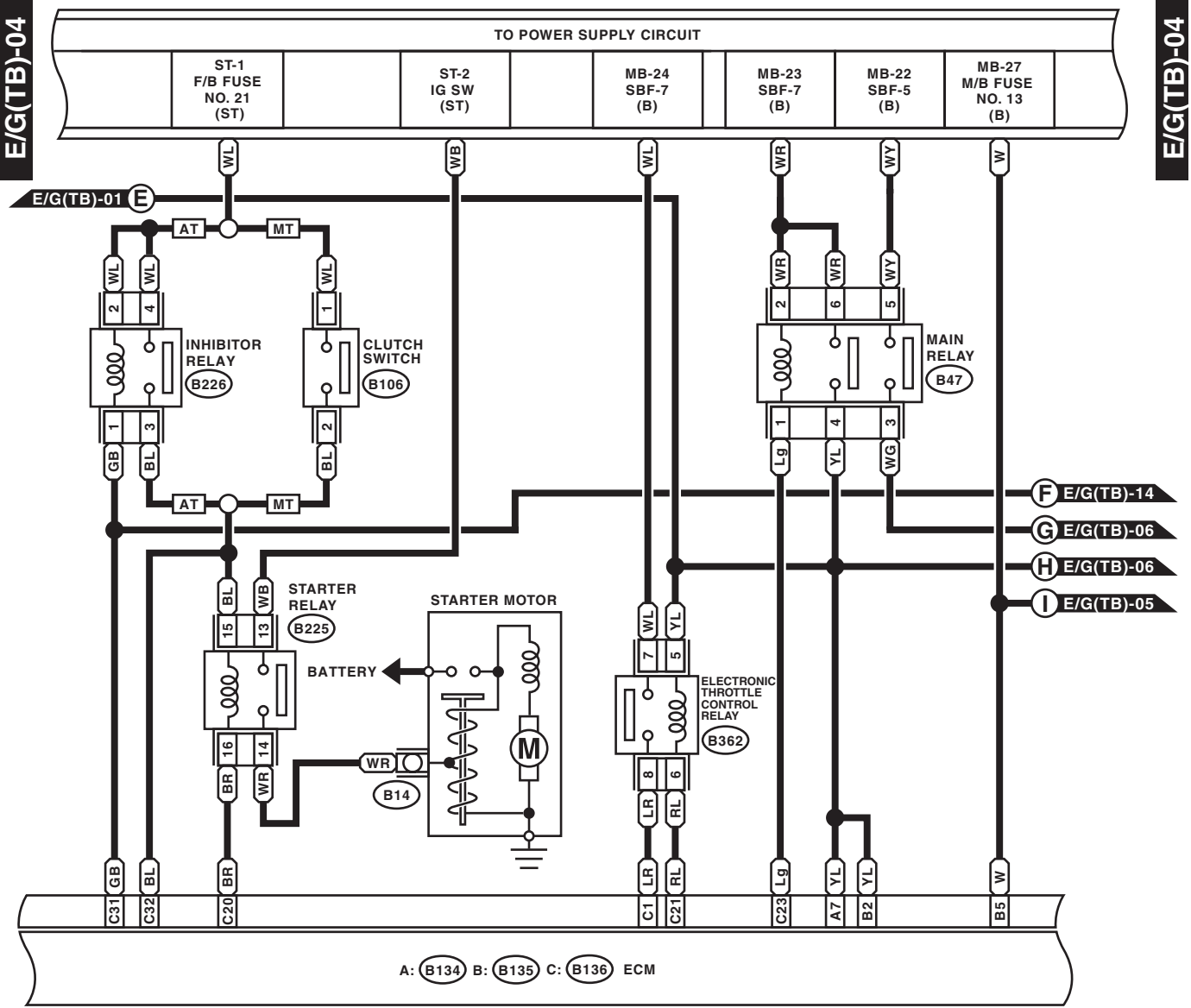
C: B136

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	



Engine Electrical System

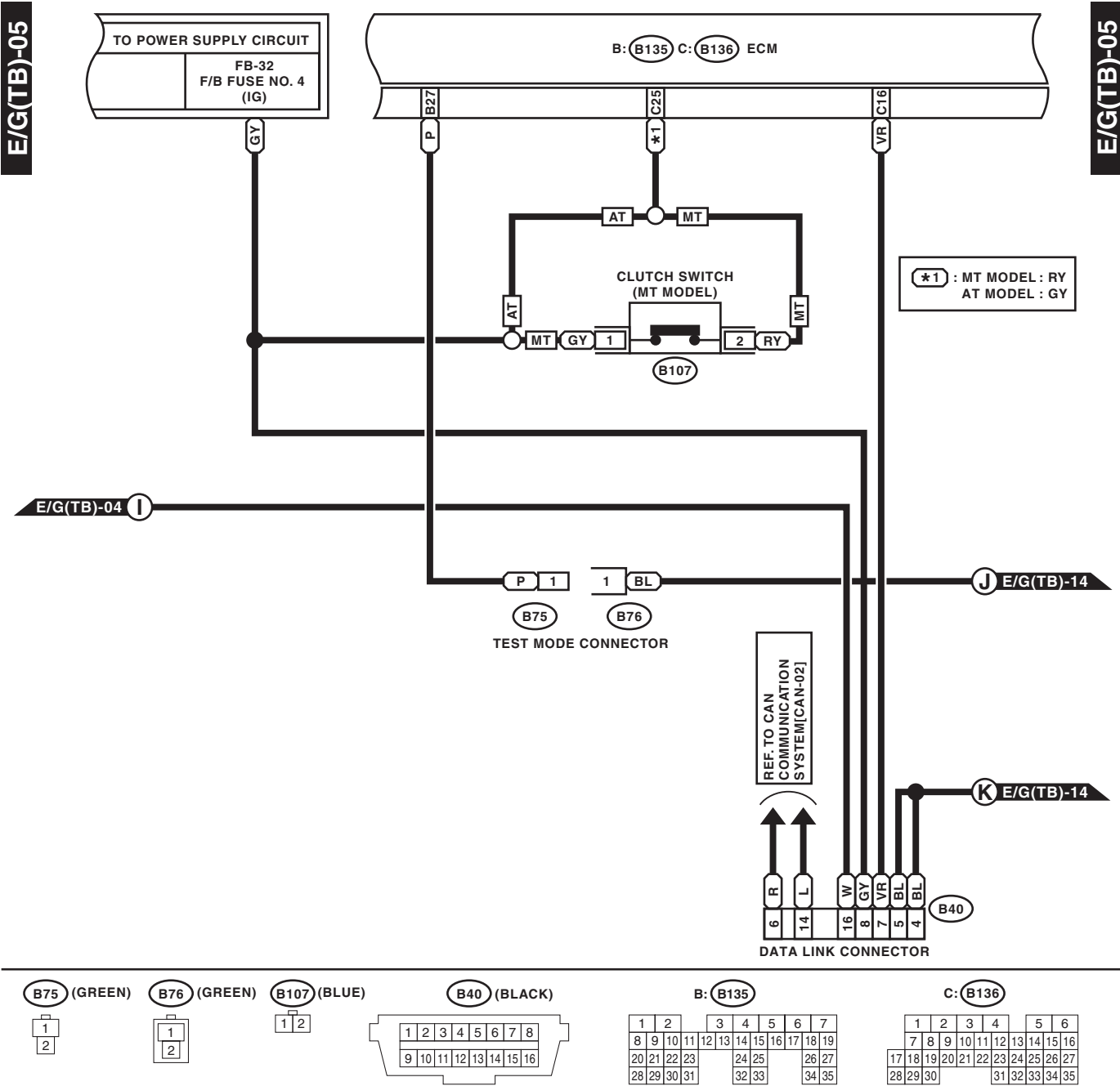
WIRING SYSTEM



WI-13151

Engine Electrical System

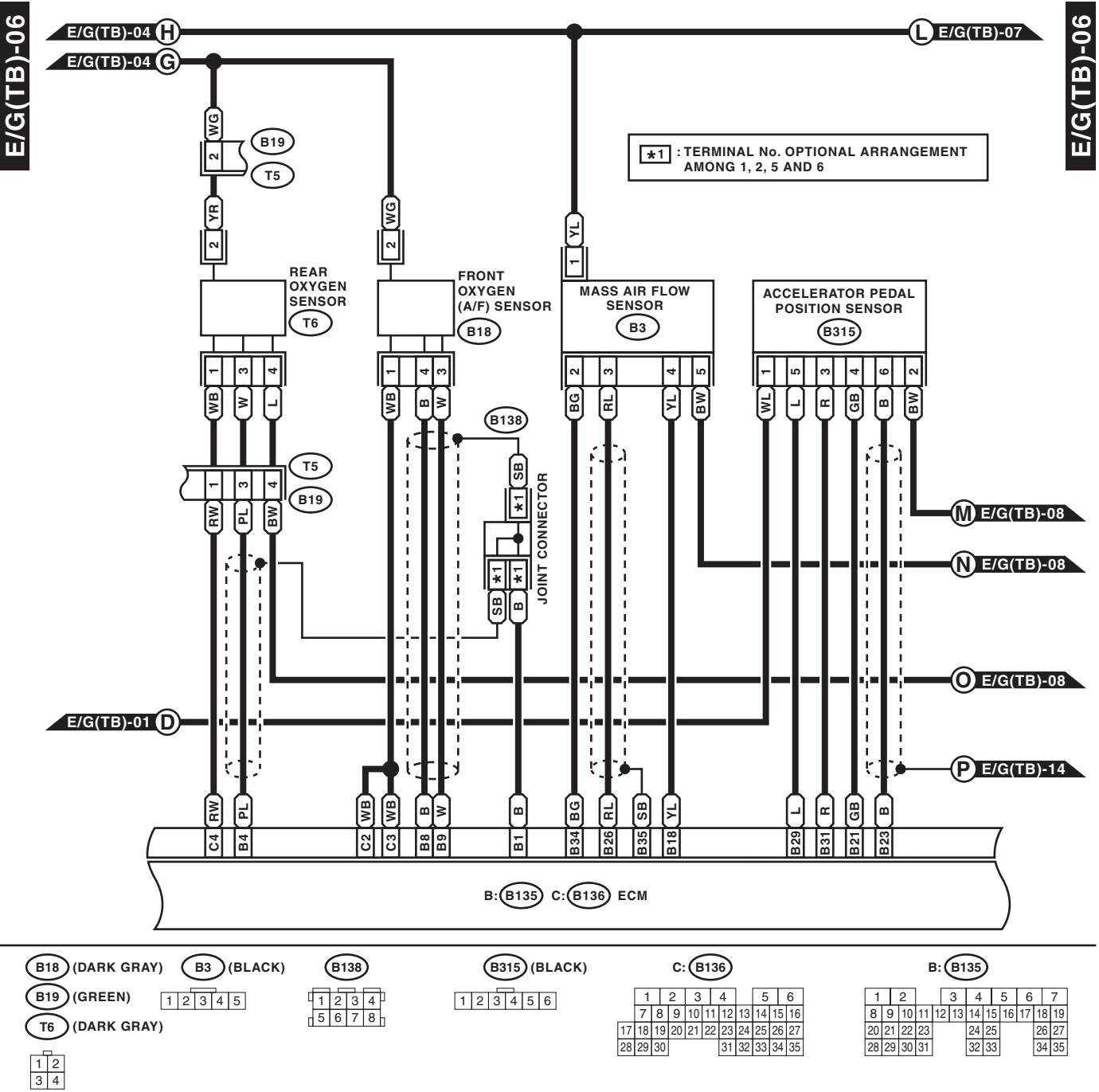
WIRING SYSTEM



WI-13152

Engine Electrical System

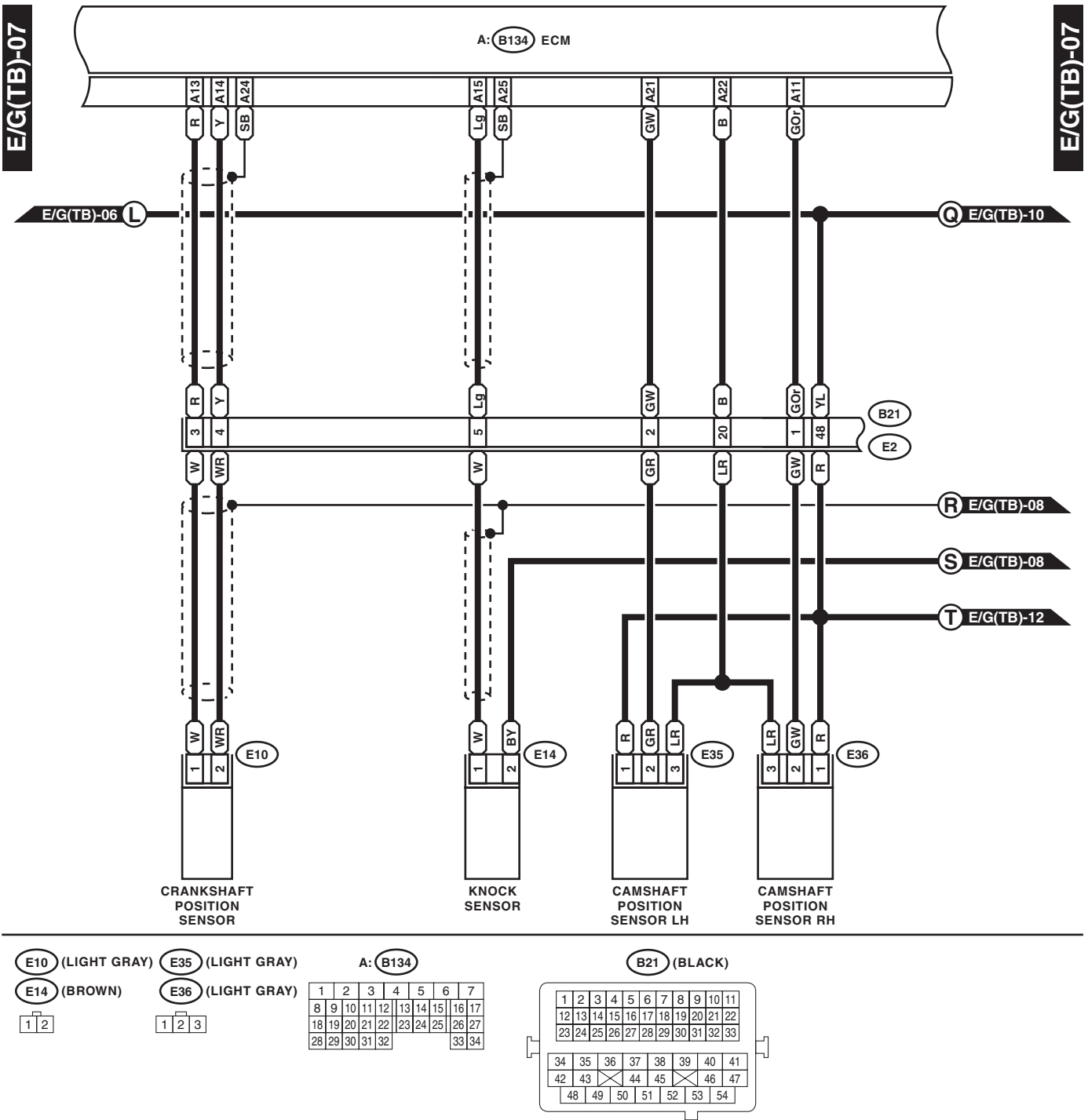
WIRING SYSTEM



WI-13153

Engine Electrical System

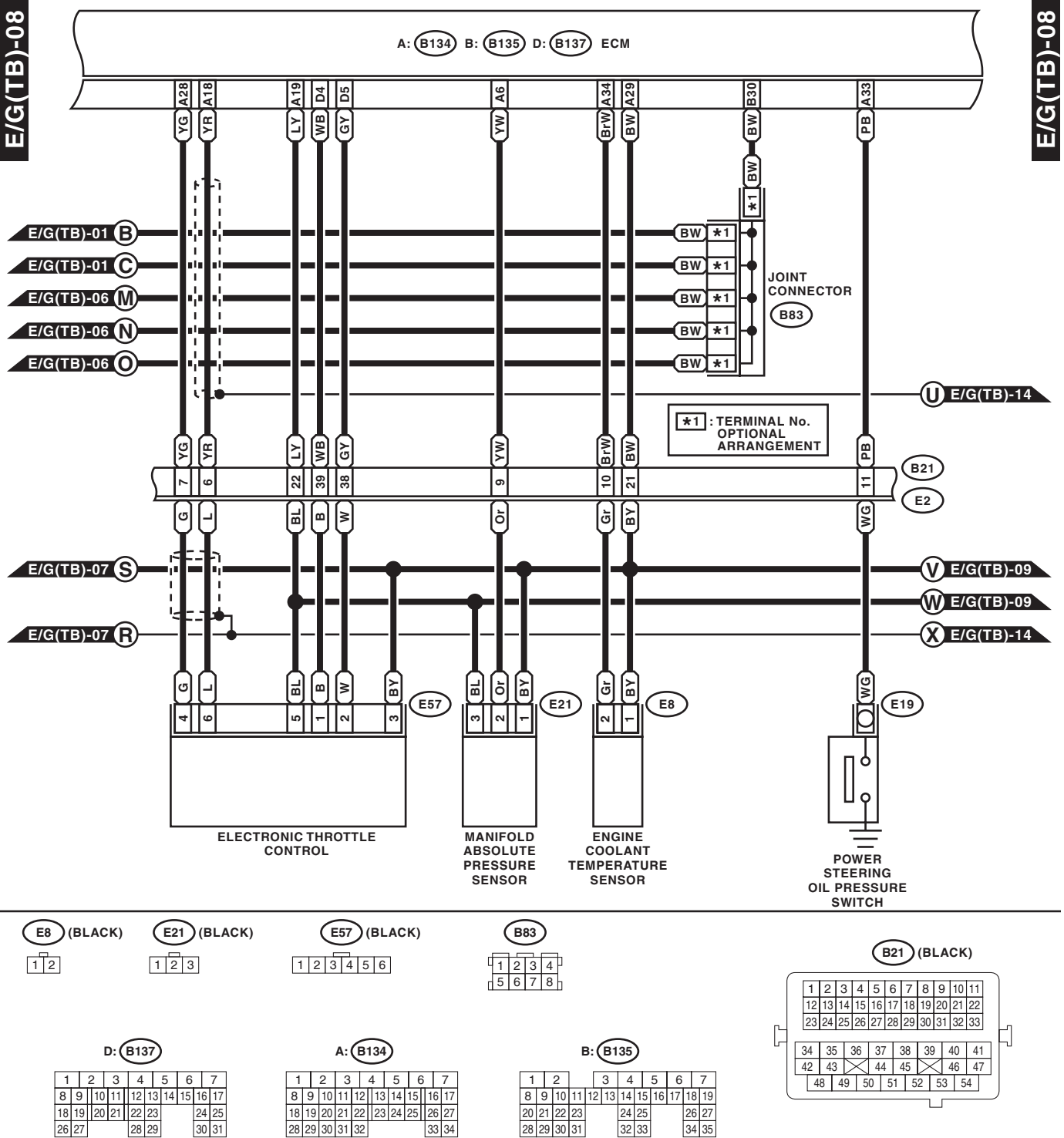
WIRING SYSTEM



WI-13154

Engine Electrical System

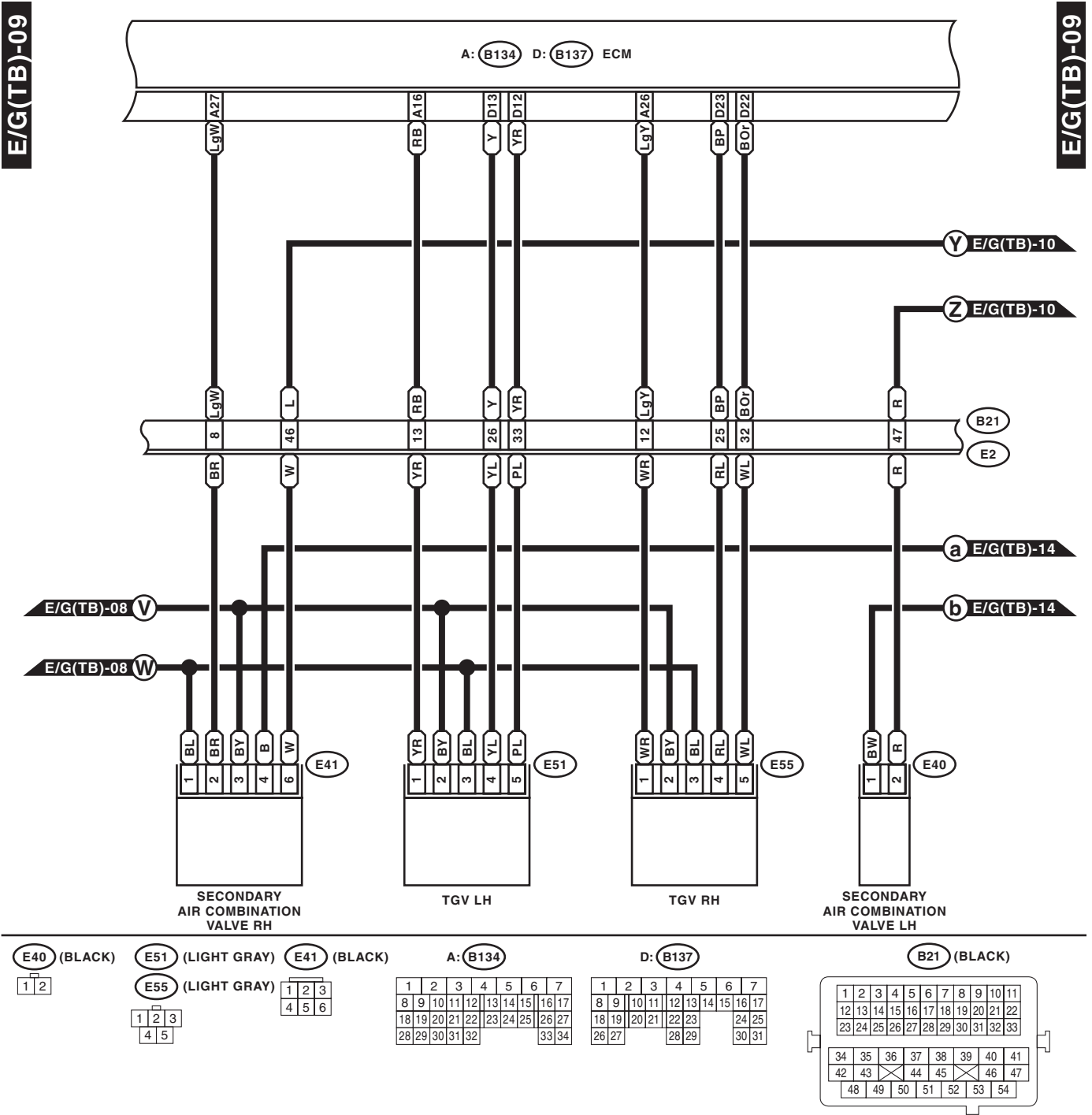
WIRING SYSTEM



WI-13155

Engine Electrical System

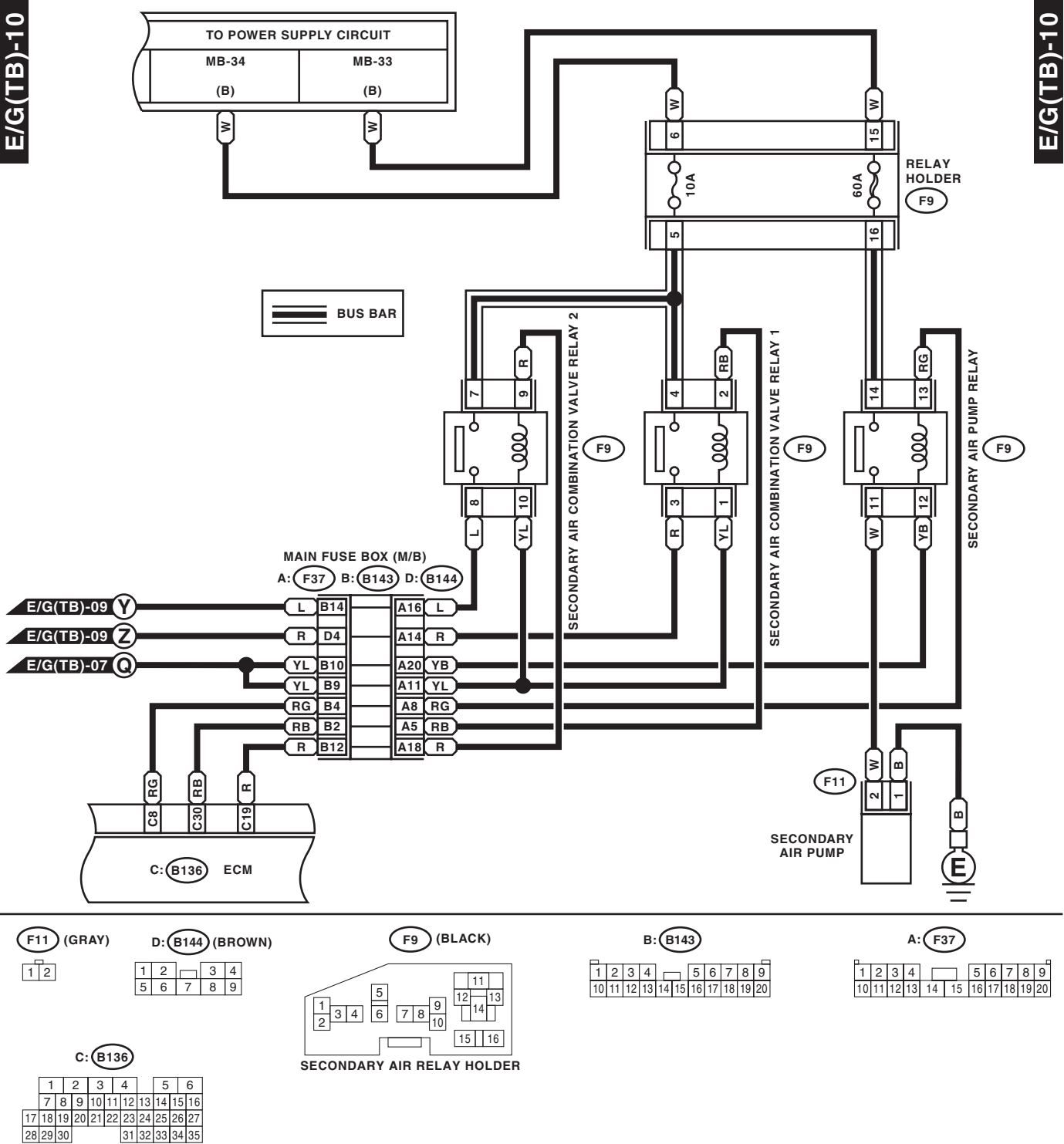
WIRING SYSTEM



WI-13156

Engine Electrical System

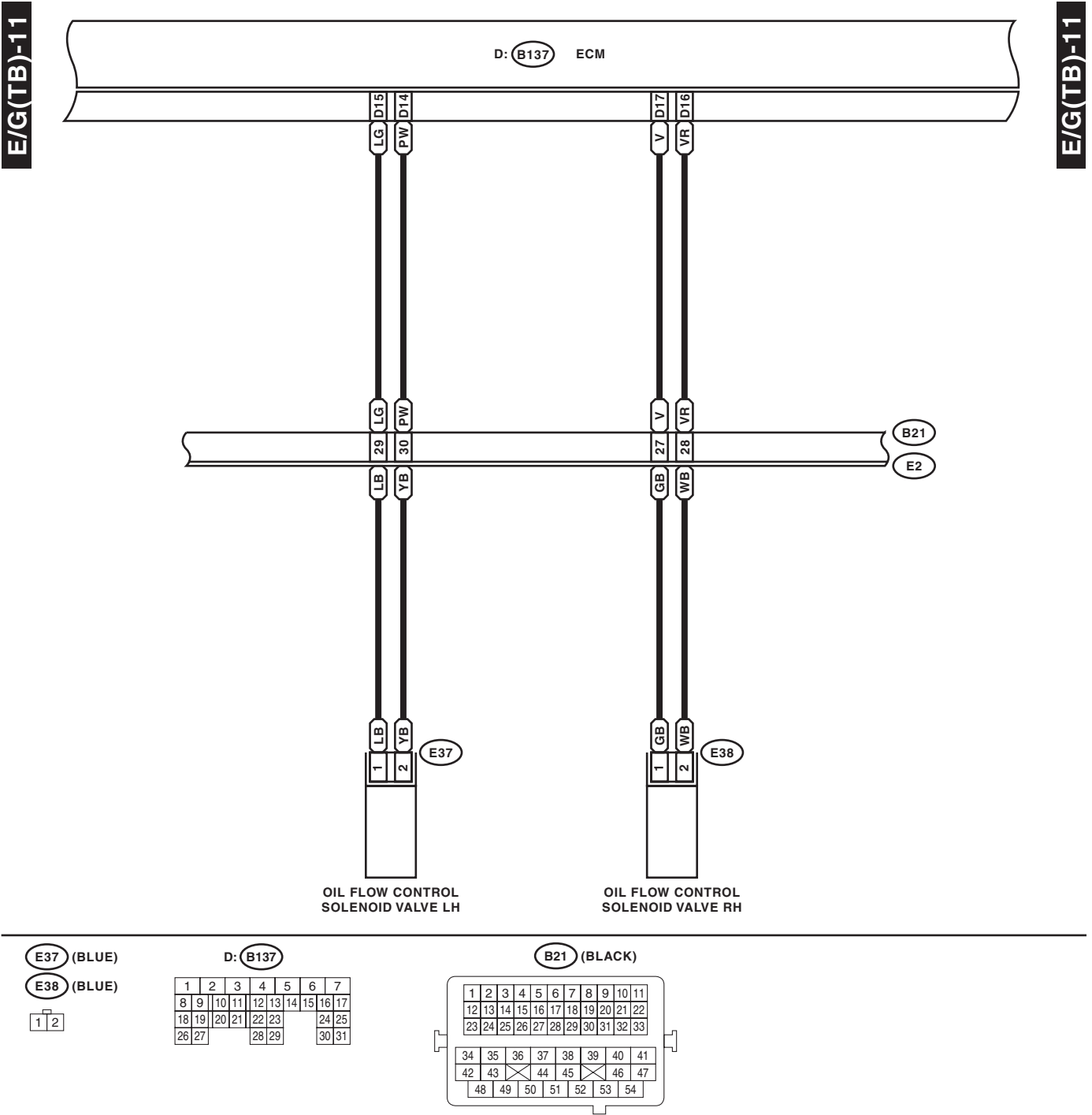
WIRING SYSTEM



WI-13157

Engine Electrical System

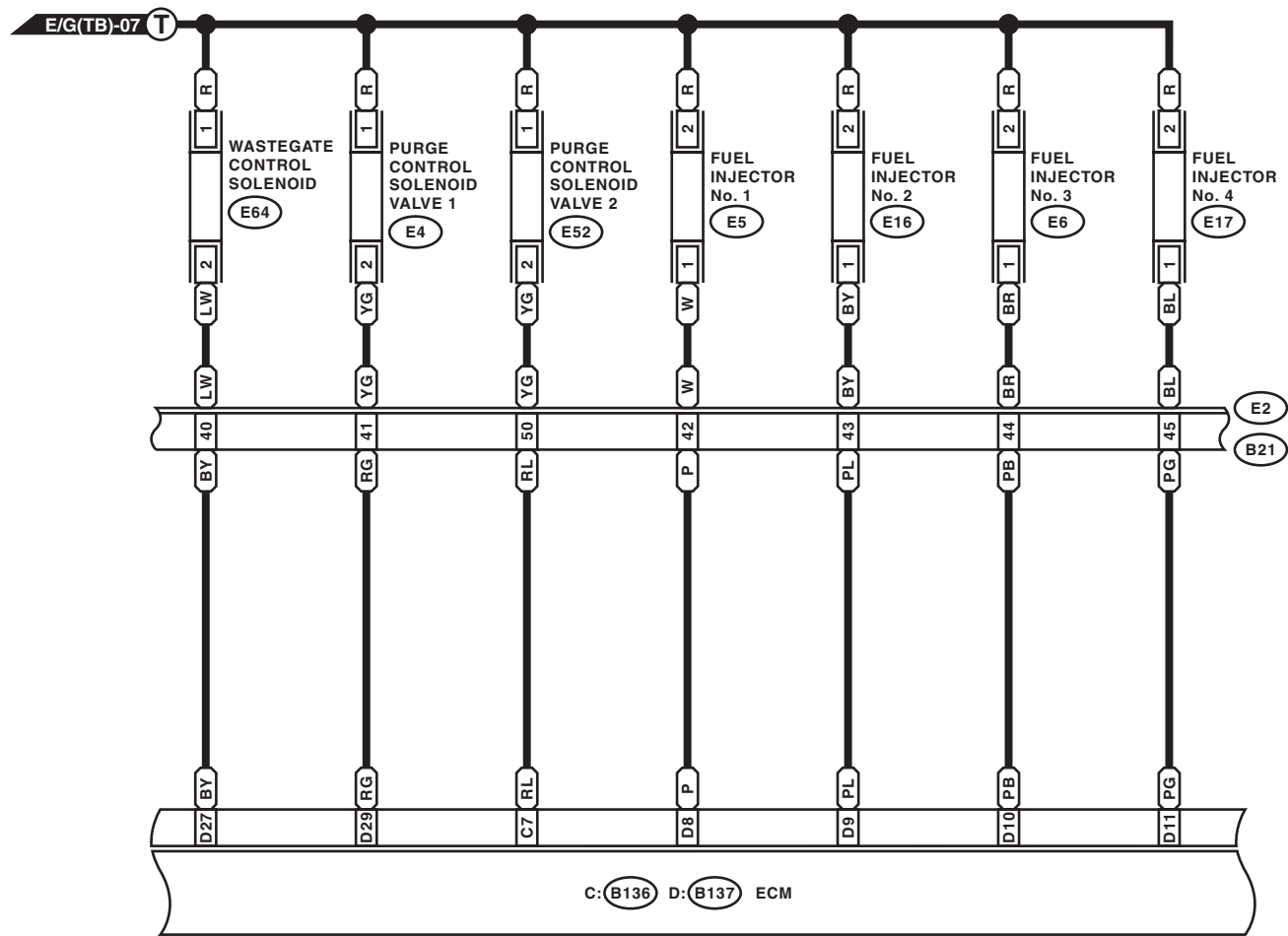
WIRING SYSTEM



WI-13158

E/G(TB)-12

E/G(TB)-12



- E4 (BLACK)
- E52
- E64 (BLUE)
- 1 2

- E5 (LIGHT GRAY)
- E6 (BLACK)
- E16 (LIGHT GRAY)
- E17 (BLACK)
- 1 2

D: B137

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				

C: B136

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	

B21 (BLACK)

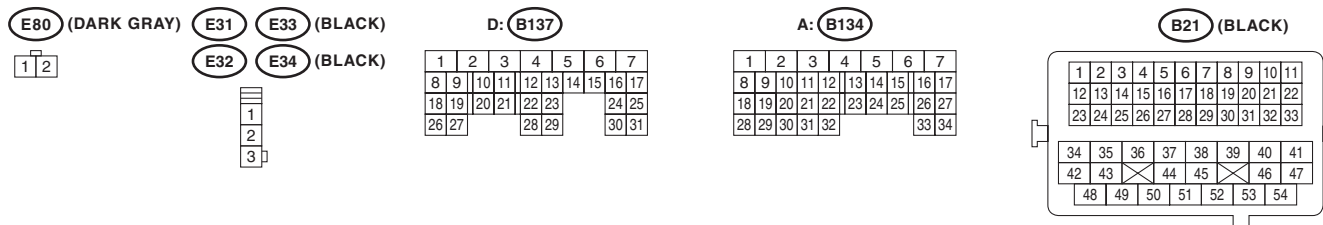
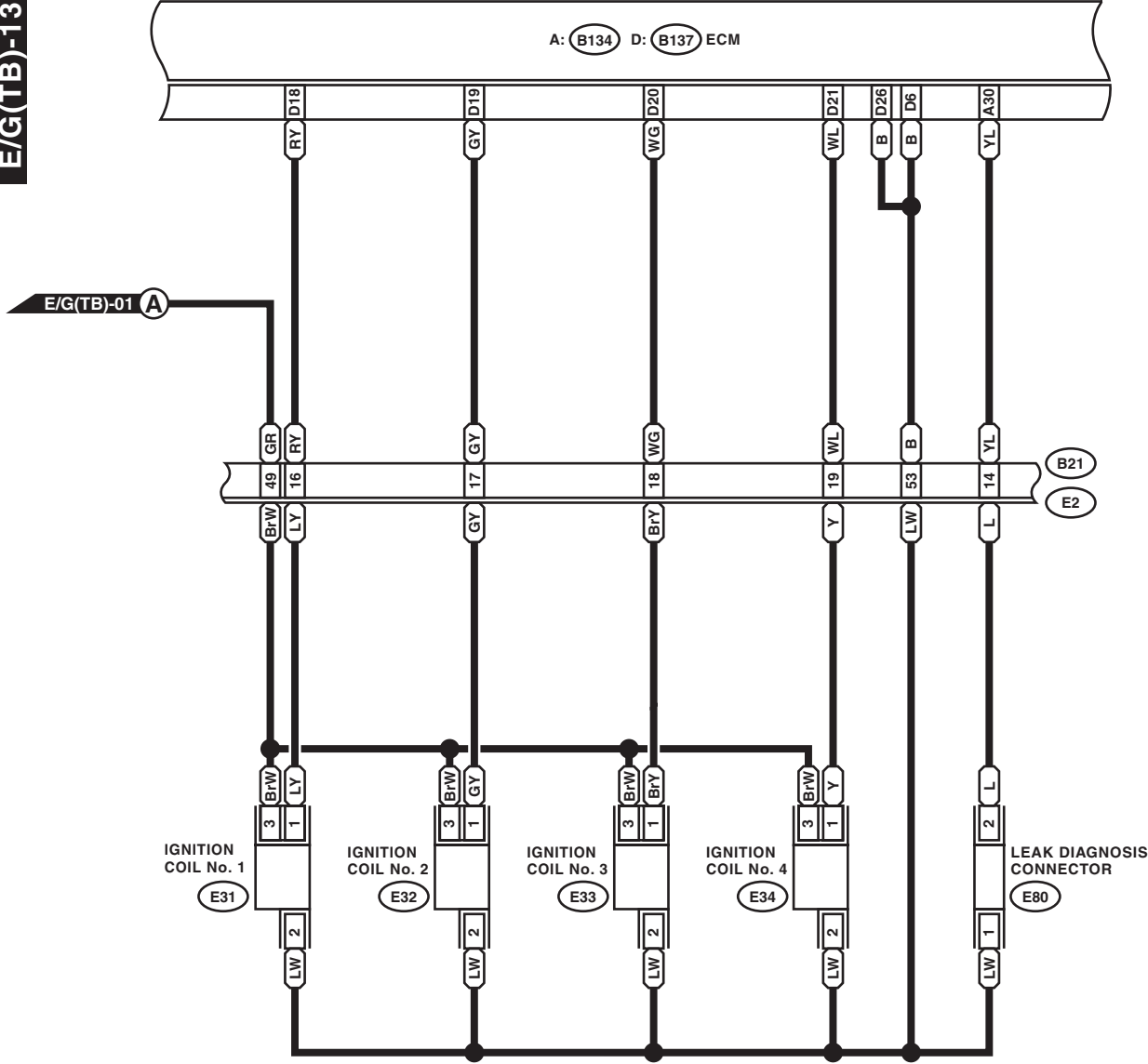
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12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31	32	33
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Engine Electrical System

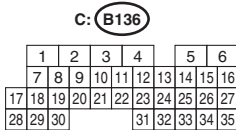
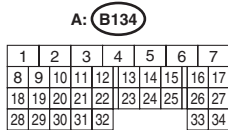
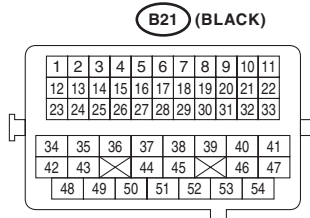
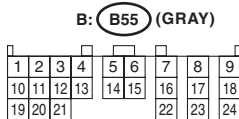
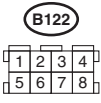
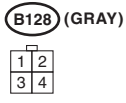
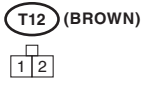
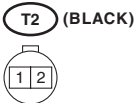
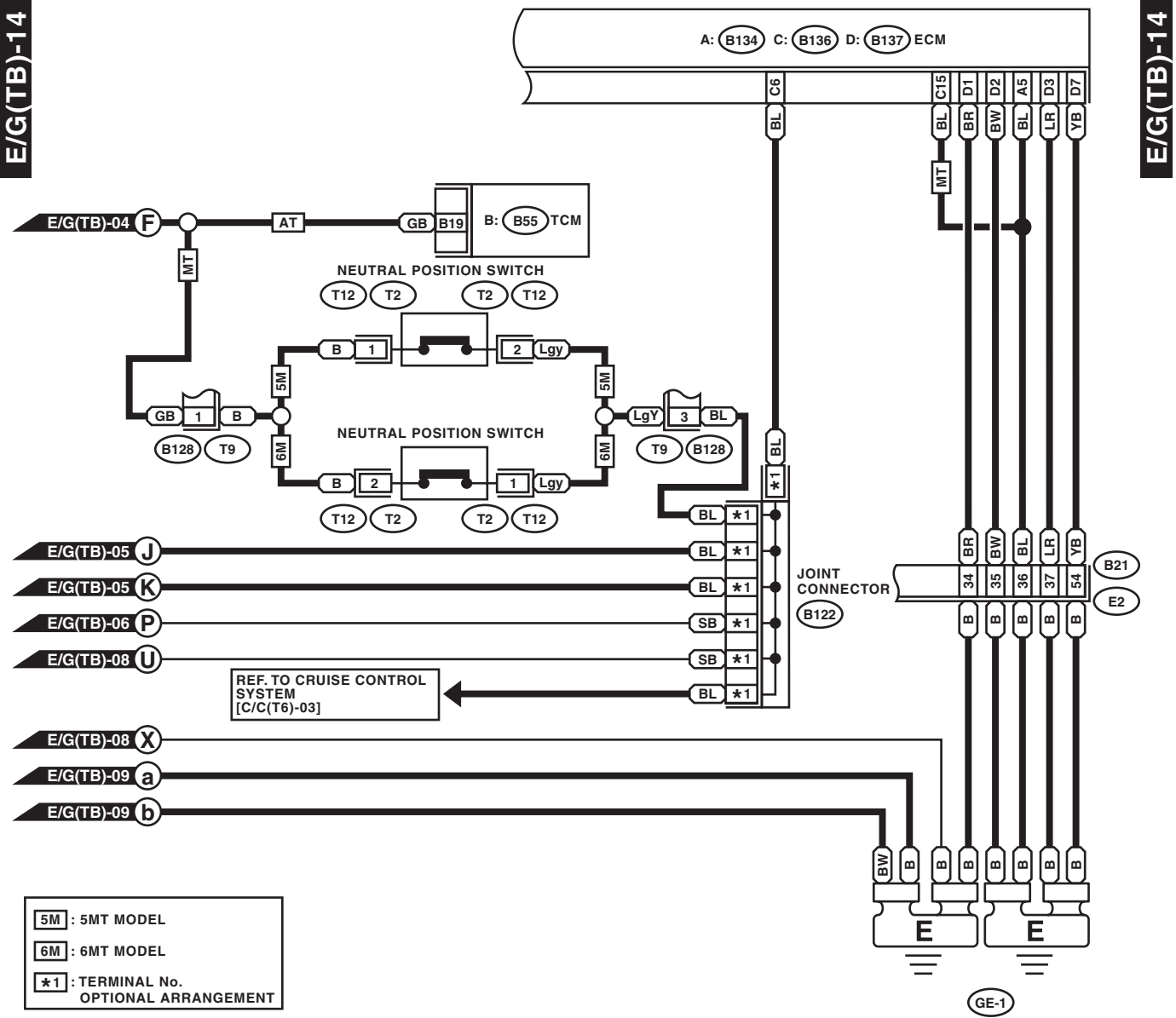
WIRING SYSTEM

E/G(TB)-13

E/G(TB)-13



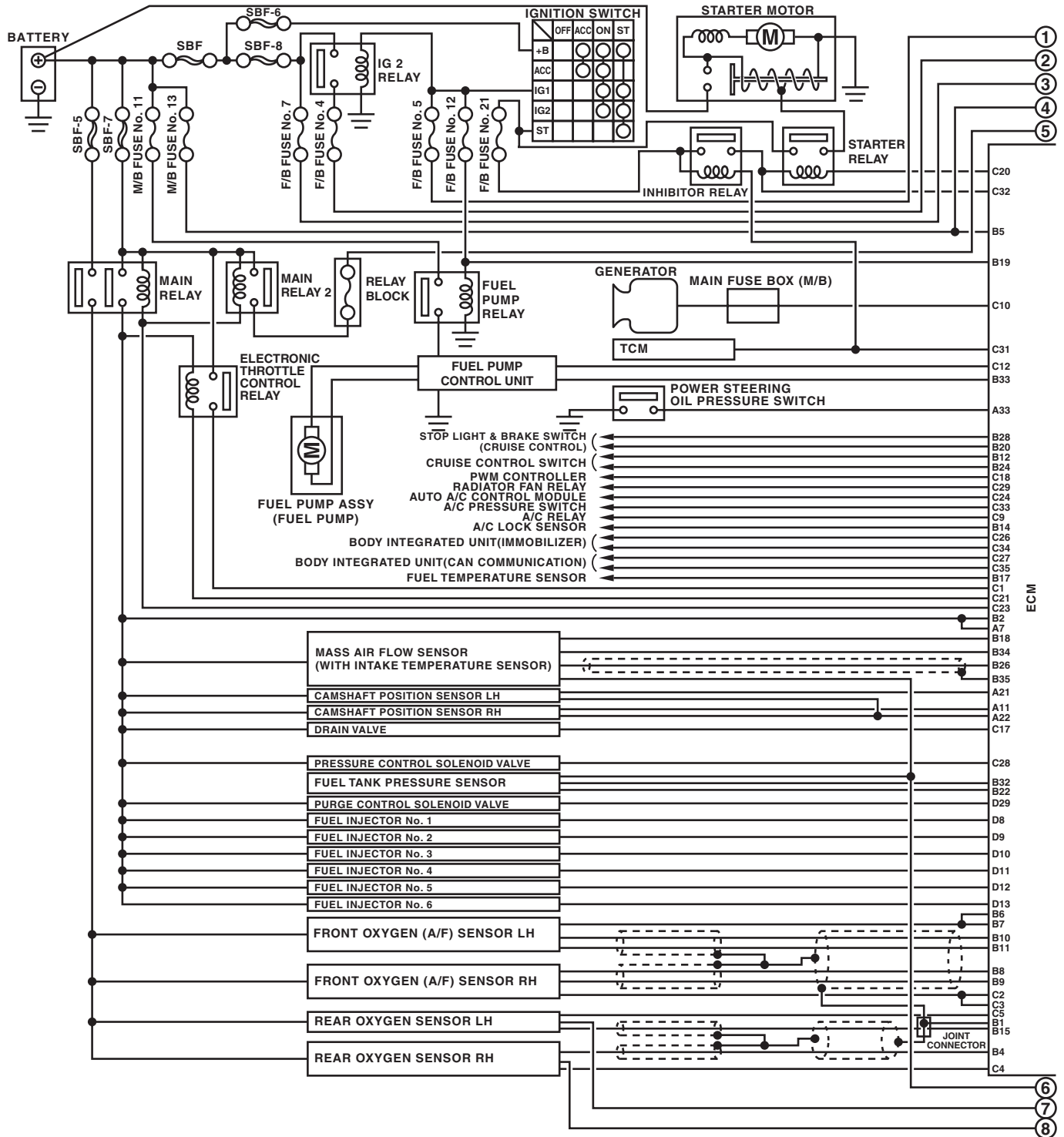
WI-13160



Engine Electrical System

WIRING SYSTEM

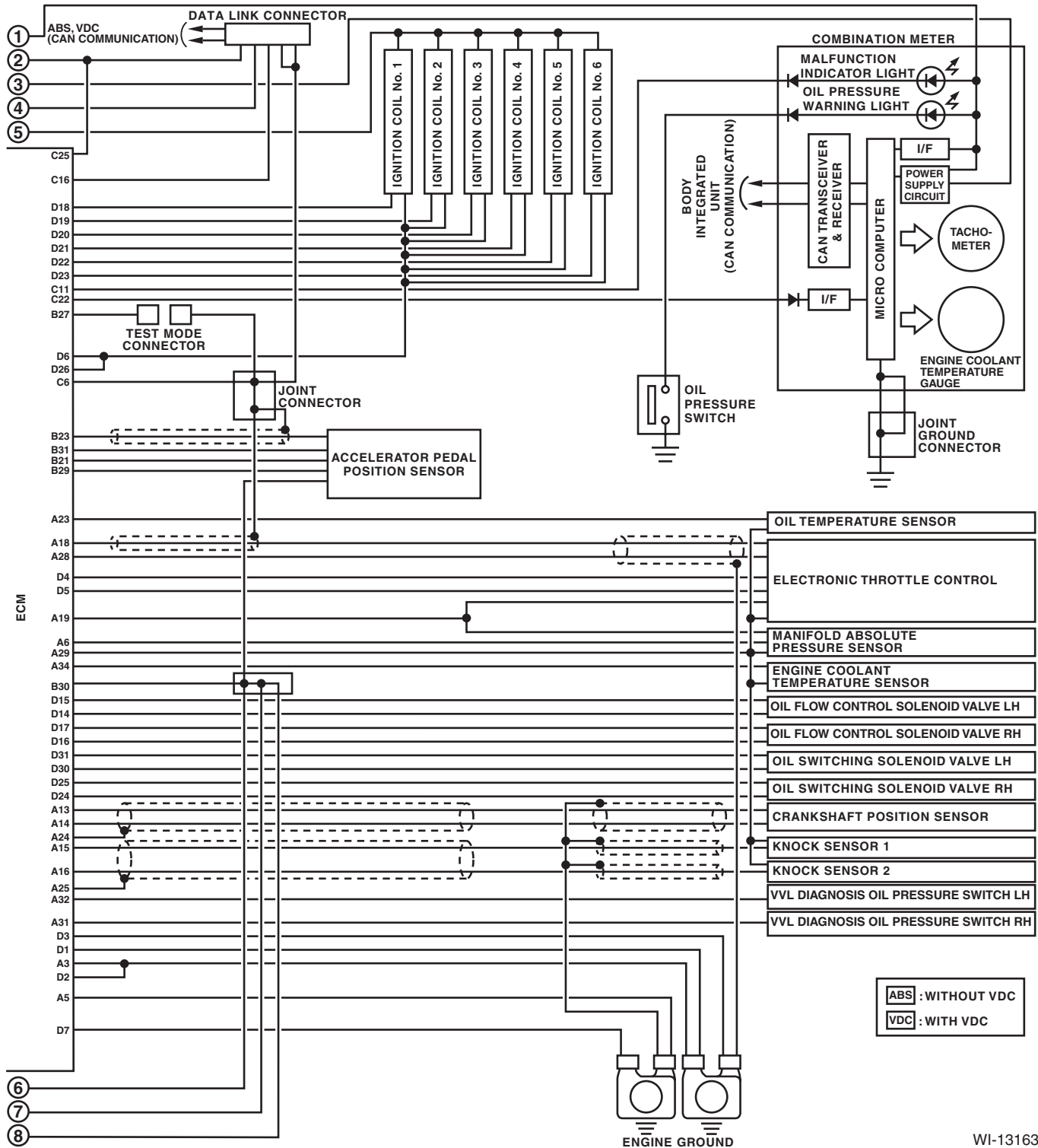
3. 3.0 L MODEL



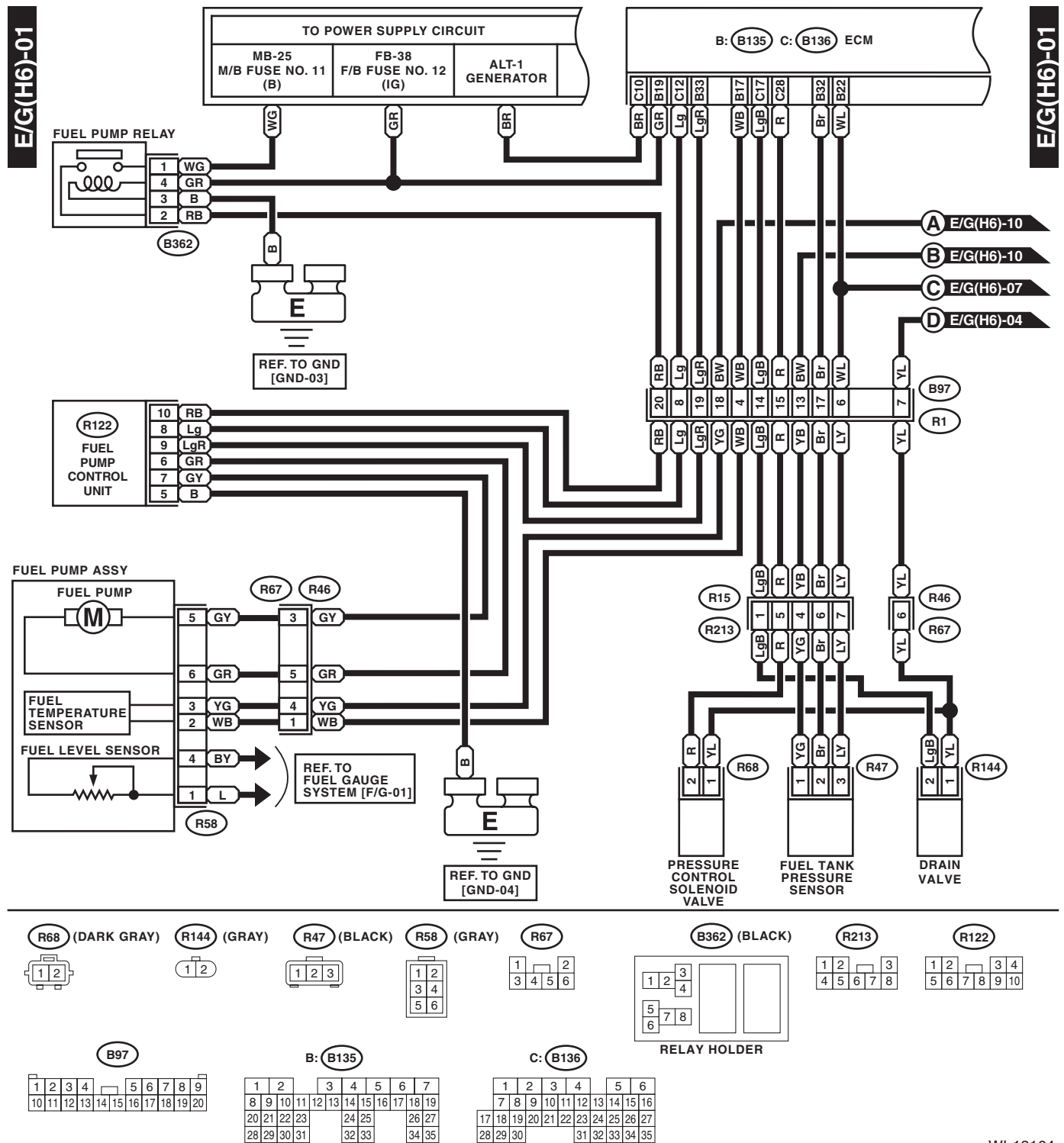
WI-13162

Engine Electrical System

WIRING SYSTEM

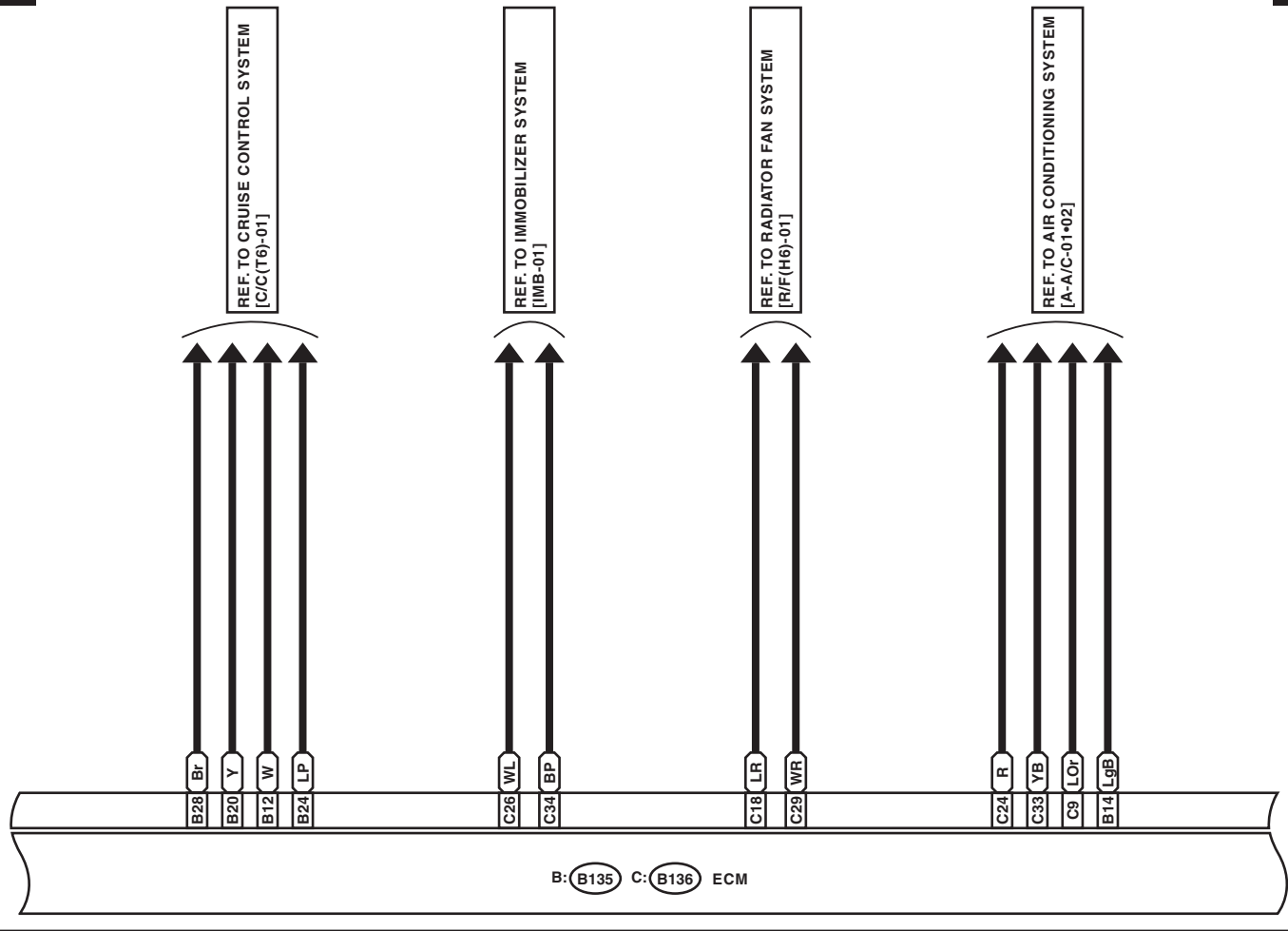


WI-13163



E/G(H6)-02

E/G(H6)-02



B: B135

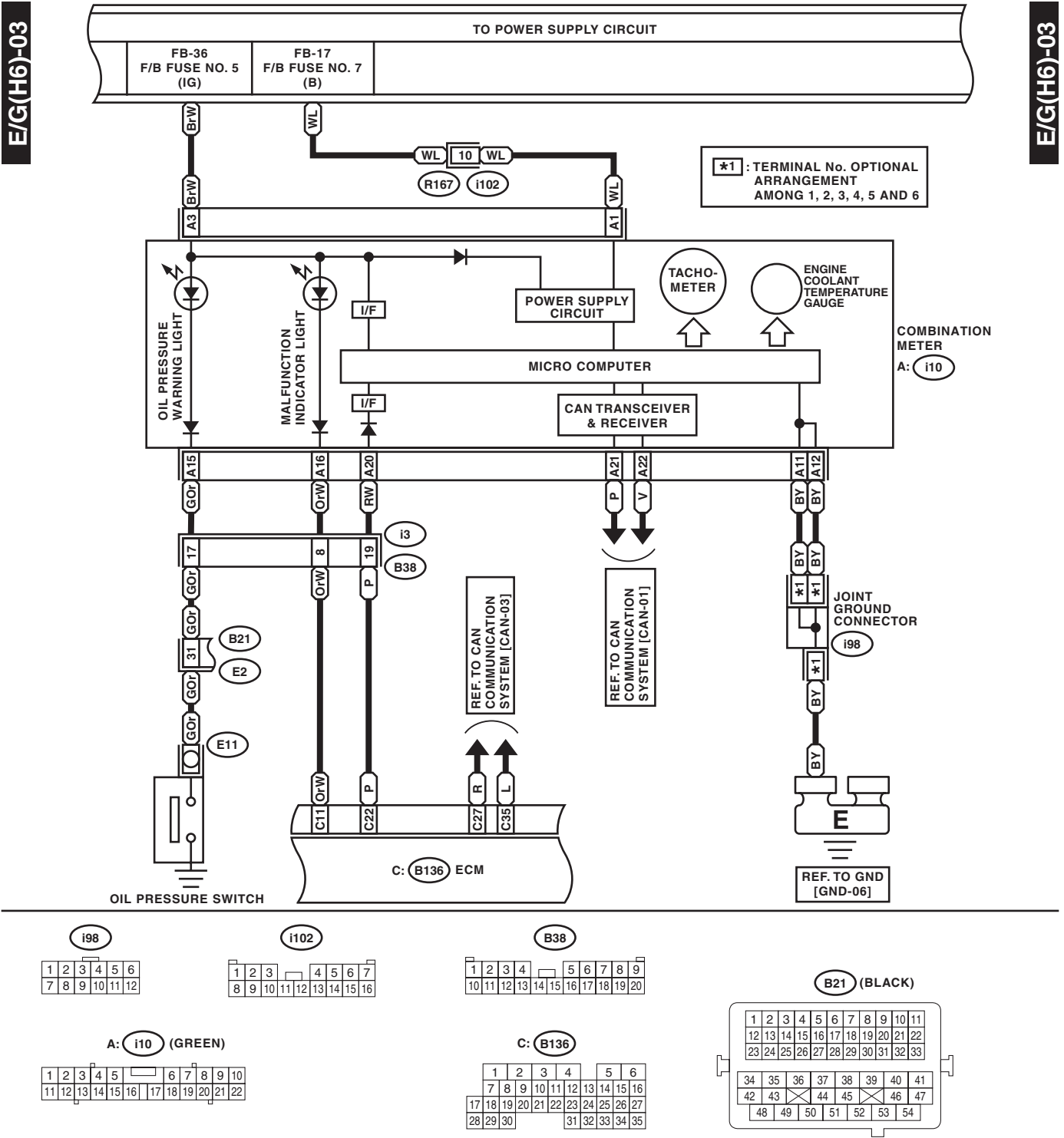
1	2		3	4	5	6	7
8	9	10	11	12	13	14	15
16	17	18	19	20	21	22	23
24	25	26	27	28	29	30	31
32	33	34	35				

C: B136

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	

Engine Electrical System

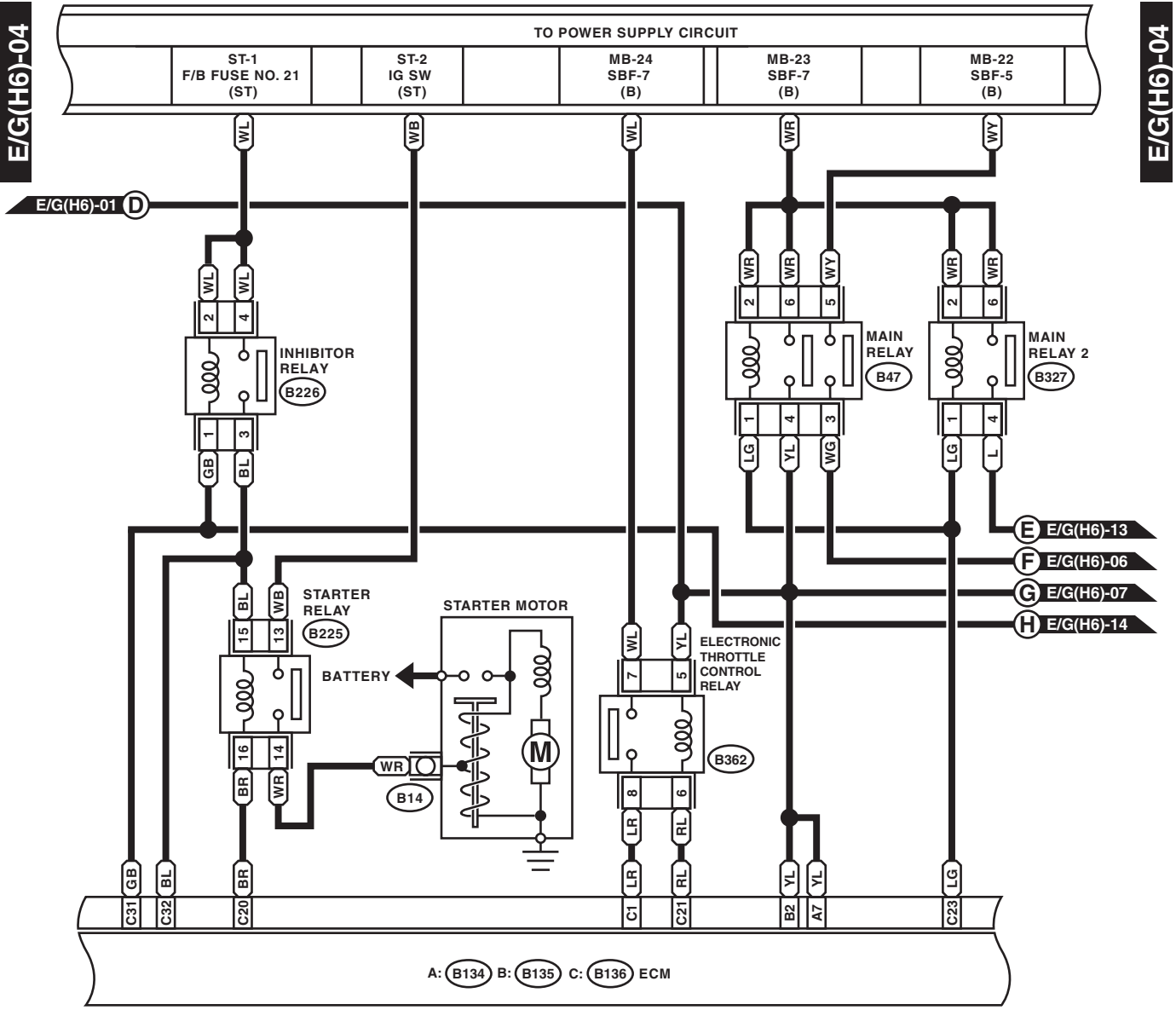
WIRING SYSTEM



WI-13166

Engine Electrical System

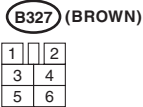
WIRING SYSTEM



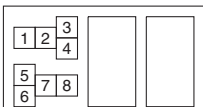
(B226) (BLACK)



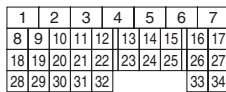
(B47) (BROWN)



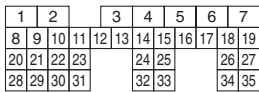
(B362) (BLACK)



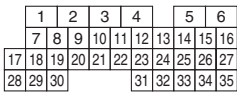
A: (B134)



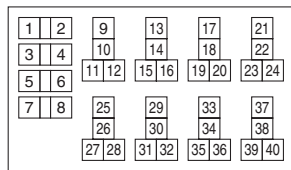
B: (B135)



C: (B136)



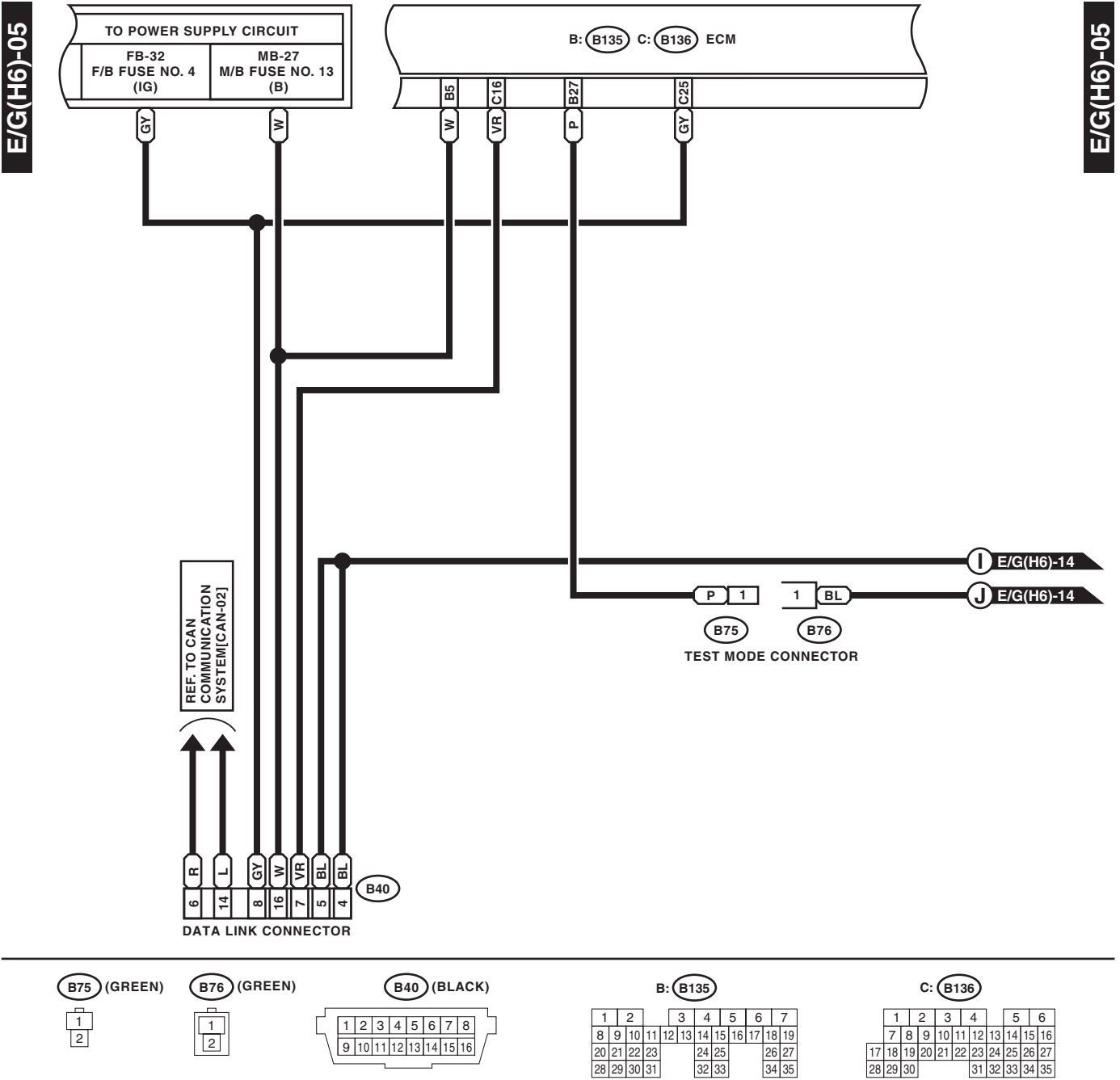
(B225) (BLACK)



RELAY BLOCK WI-13167

Engine Electrical System

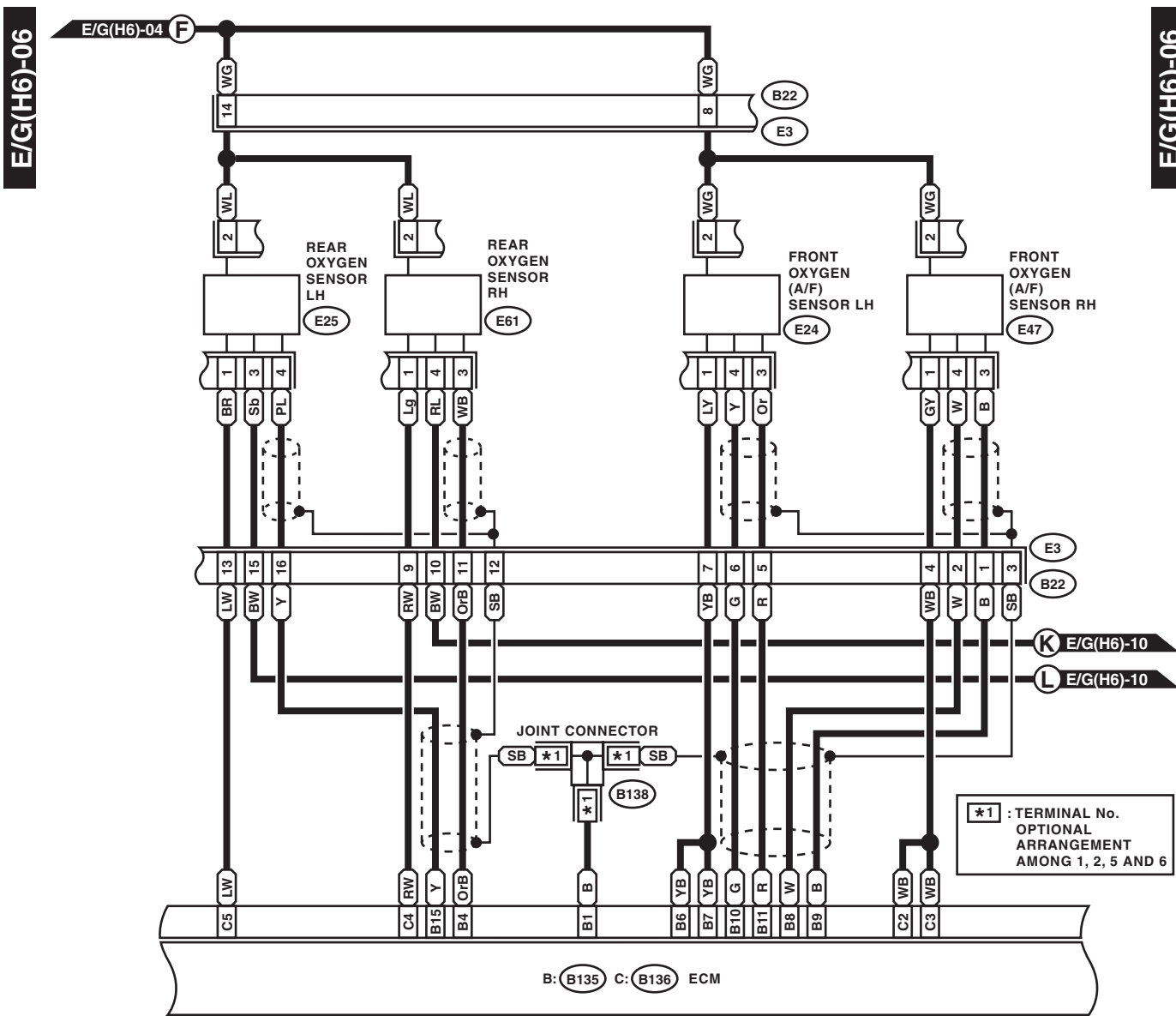
WIRING SYSTEM



WI-13168

Engine Electrical System

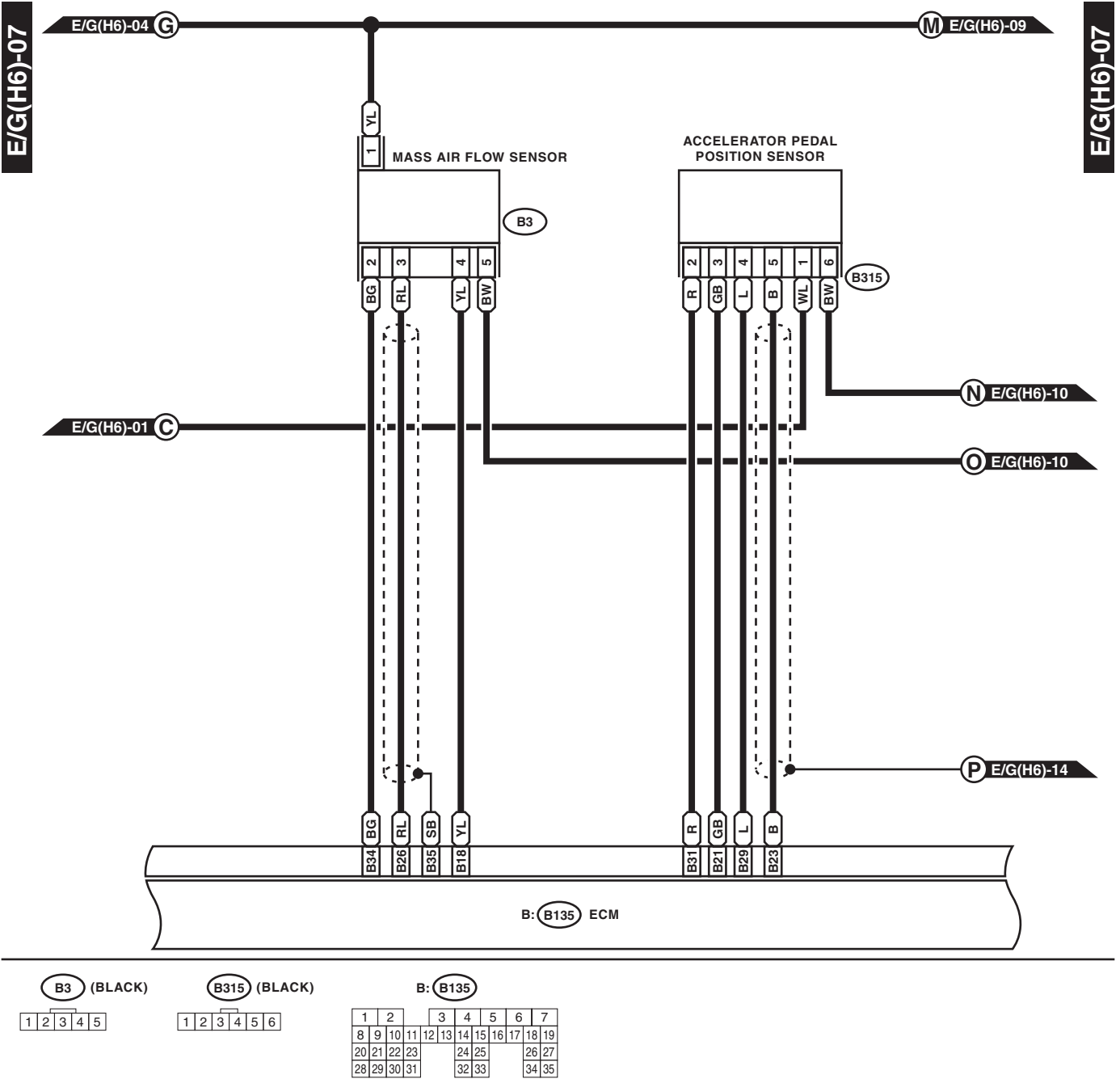
WIRING SYSTEM



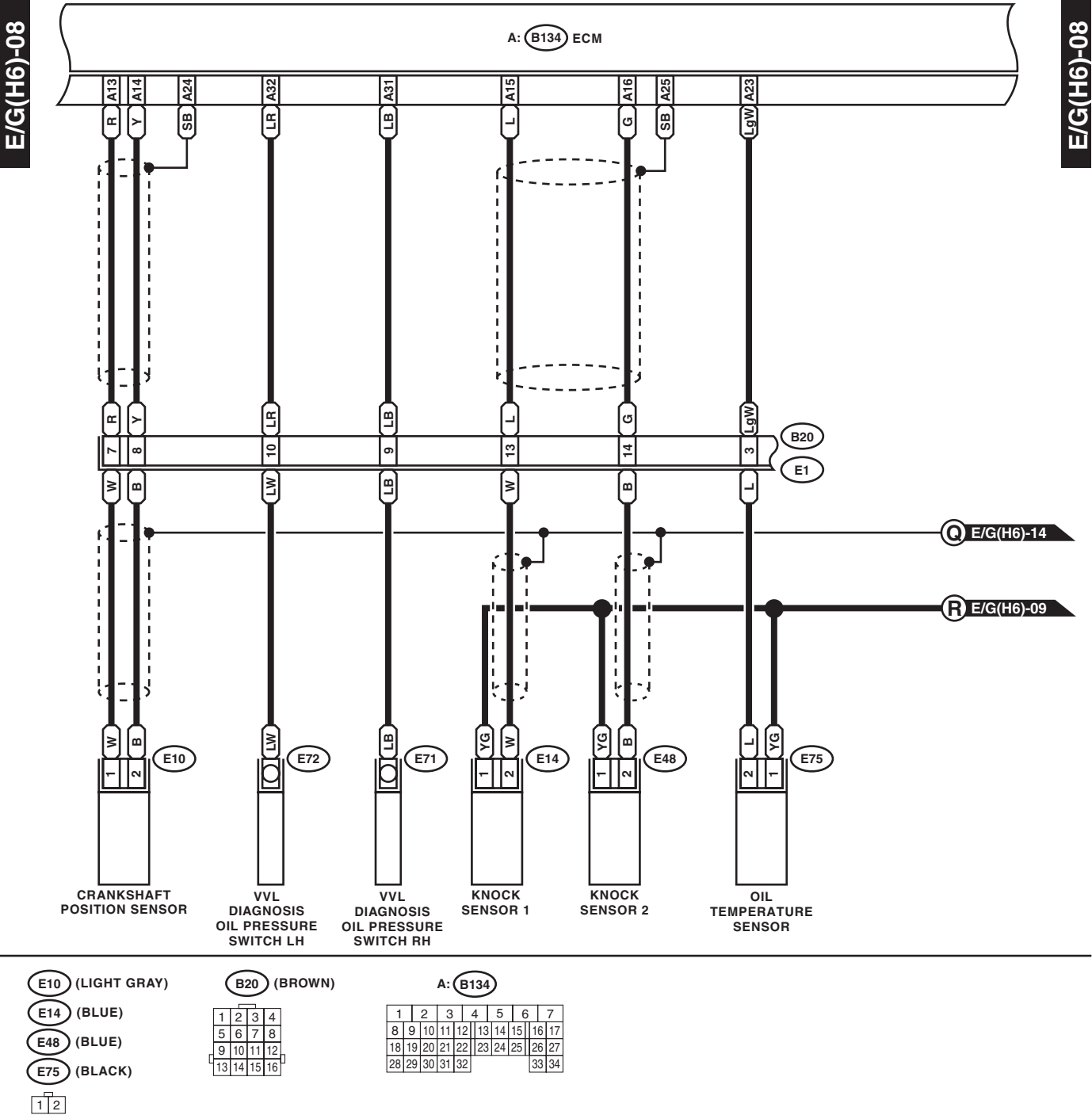
WI-13169

Engine Electrical System

WIRING SYSTEM

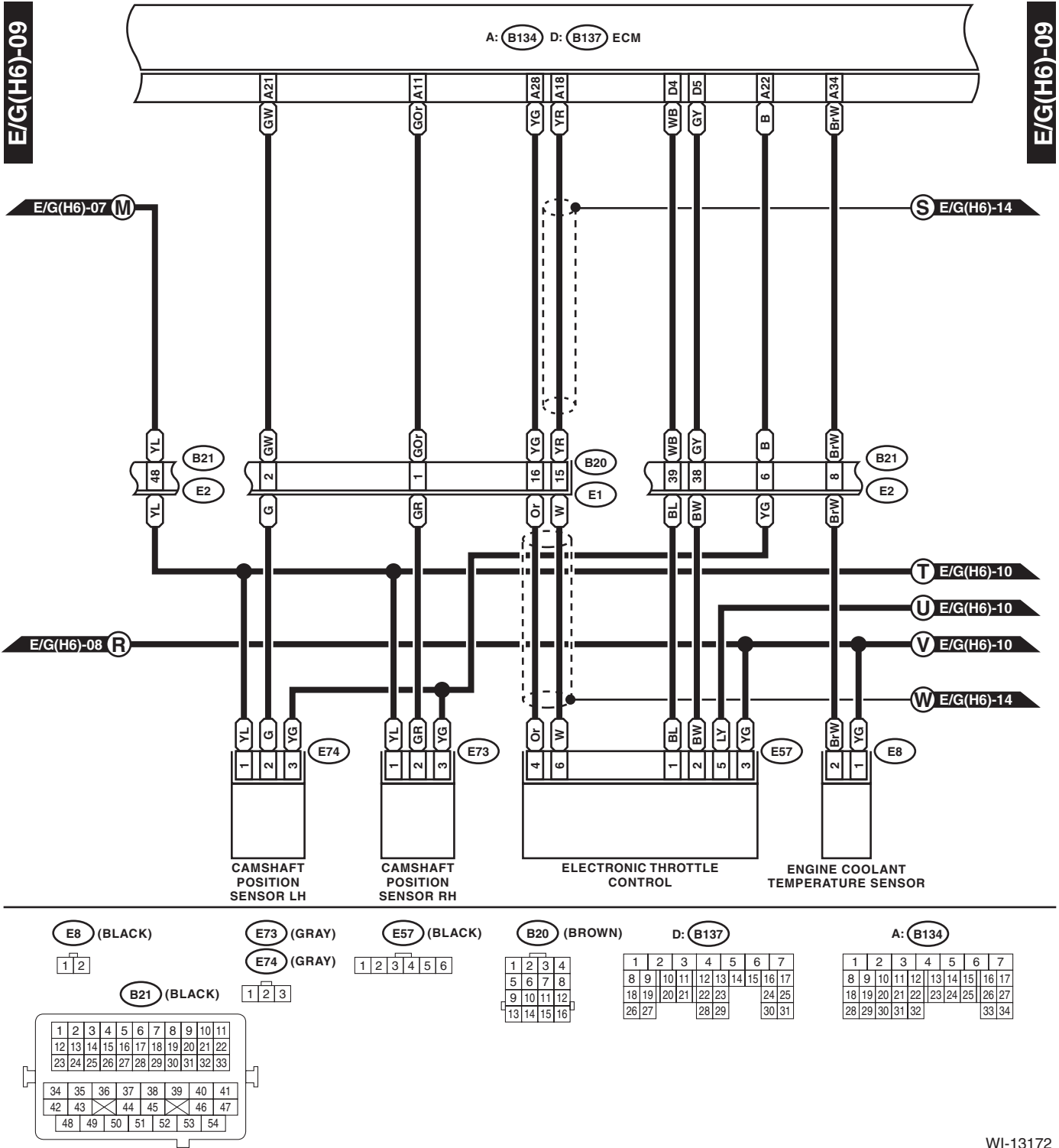


WI-13170



Engine Electrical System

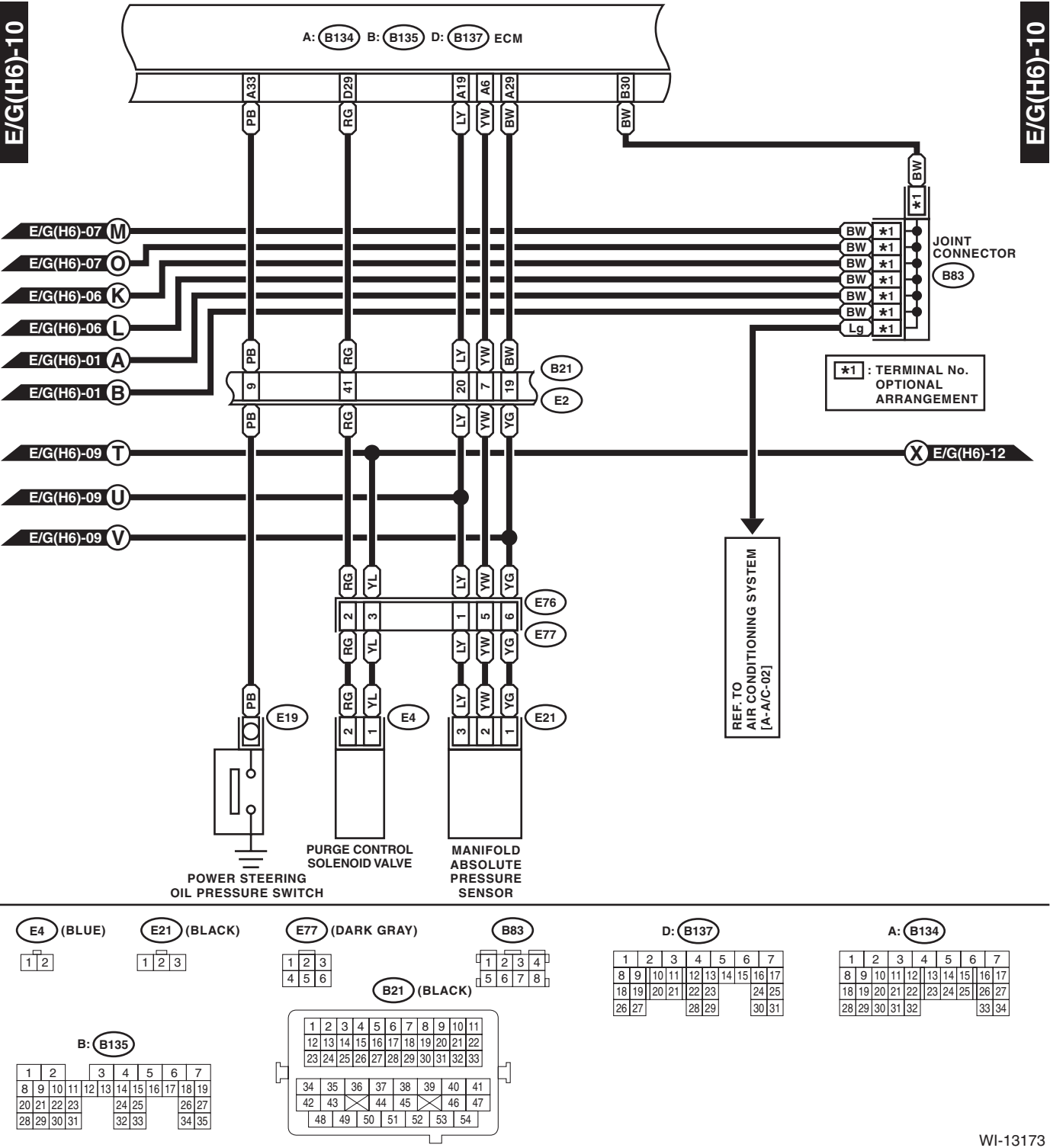
WIRING SYSTEM



WI-13172

Engine Electrical System

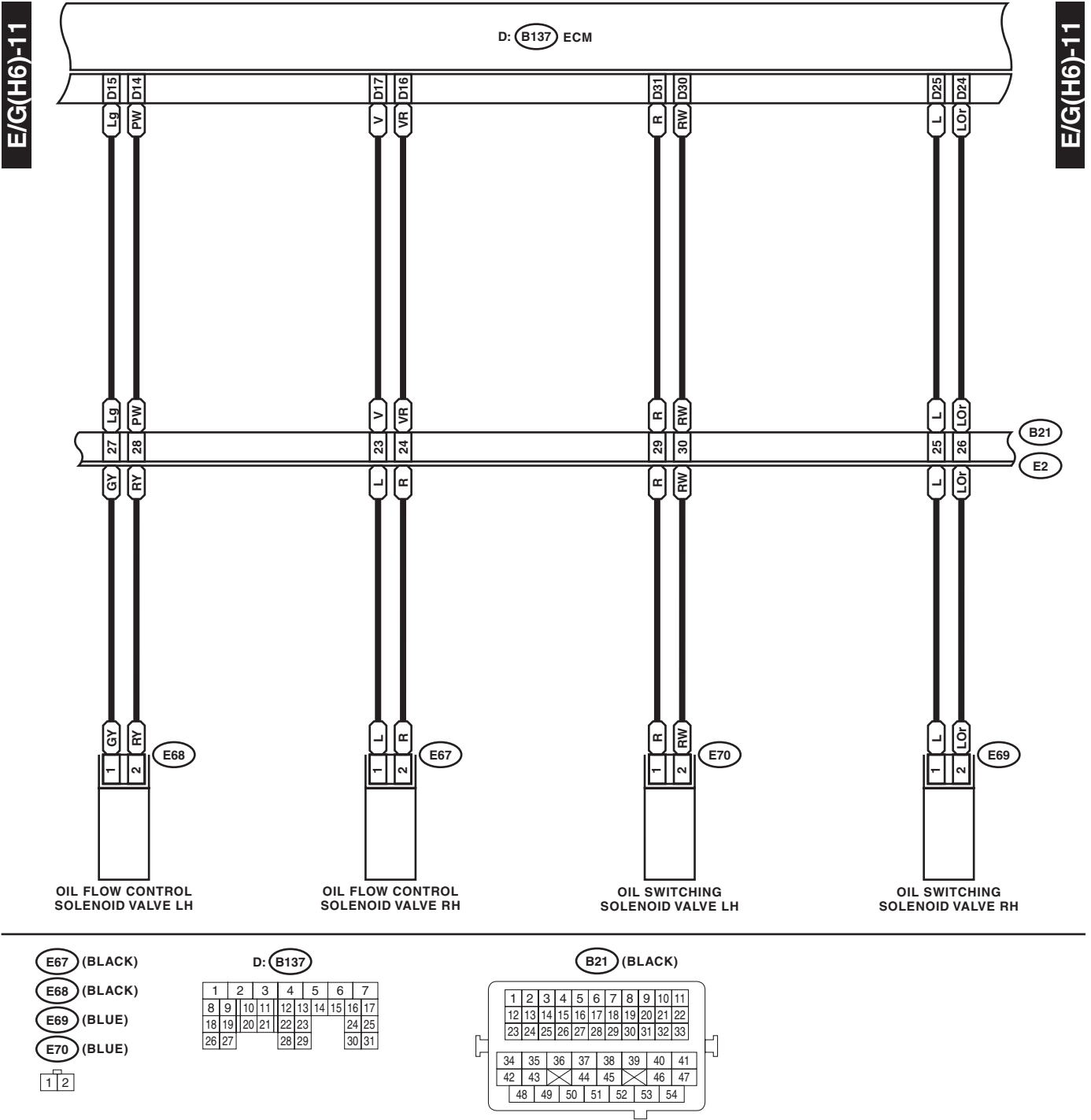
WIRING SYSTEM



WI-13173

Engine Electrical System

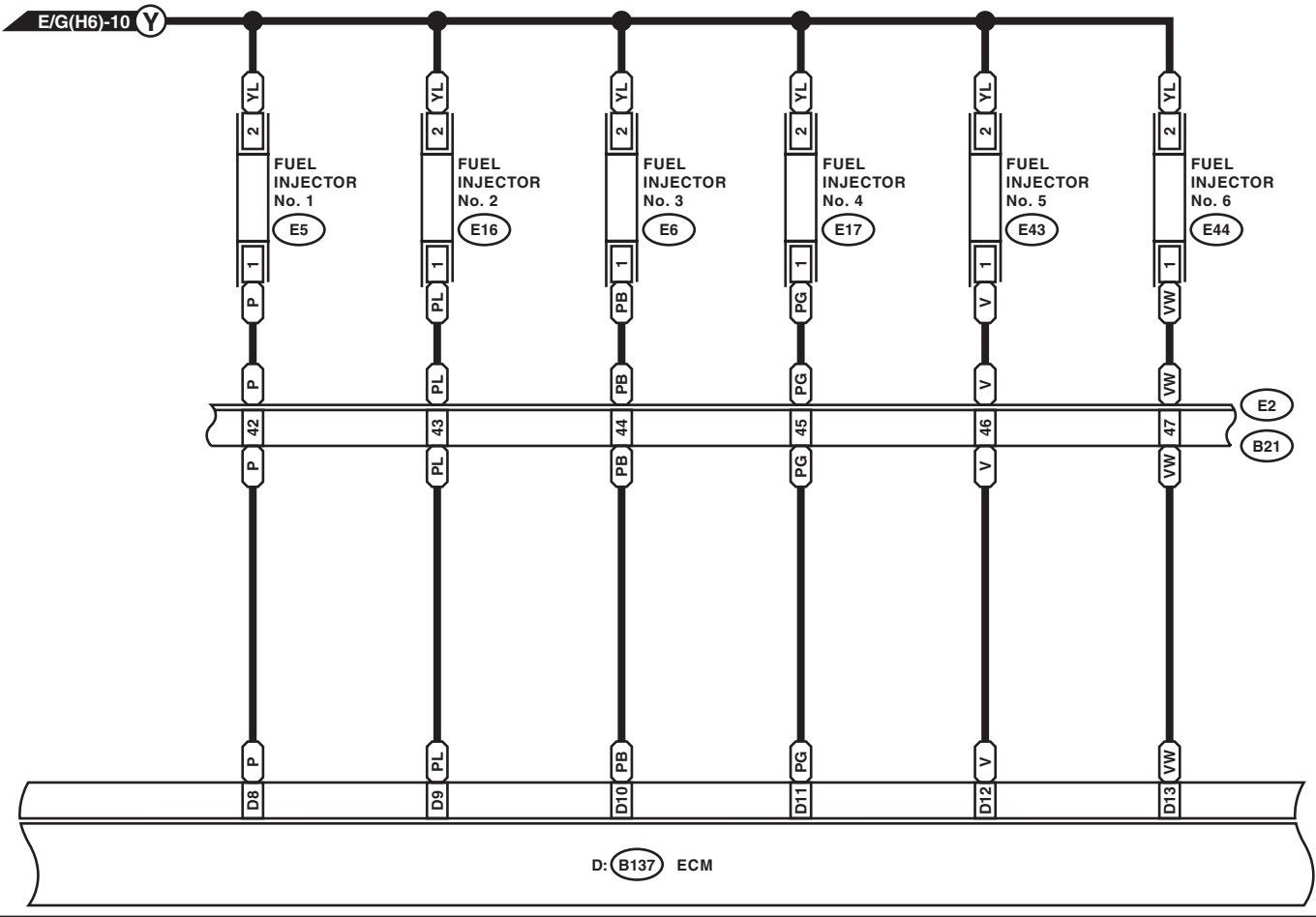
WIRING SYSTEM



WI-13174

E/G(H6)-12

E/G(H6)-12



- (DARK GRAY) E5 E17 (DARK GRAY)
(DARK GRAY) E6 E43 (DARK GRAY)
(DARK GRAY) E16 E44 (DARK GRAY)

1 2

D: B137

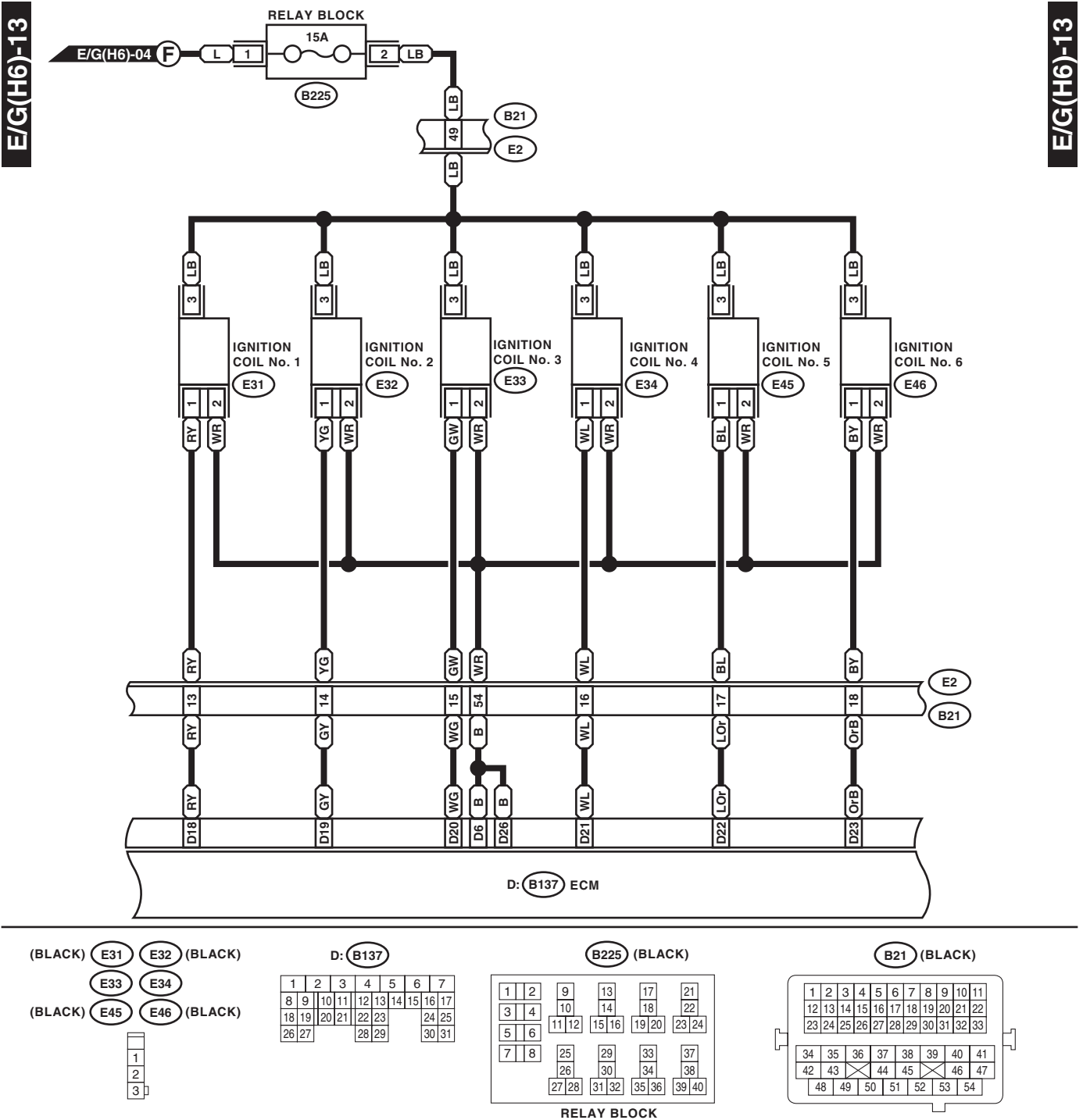
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

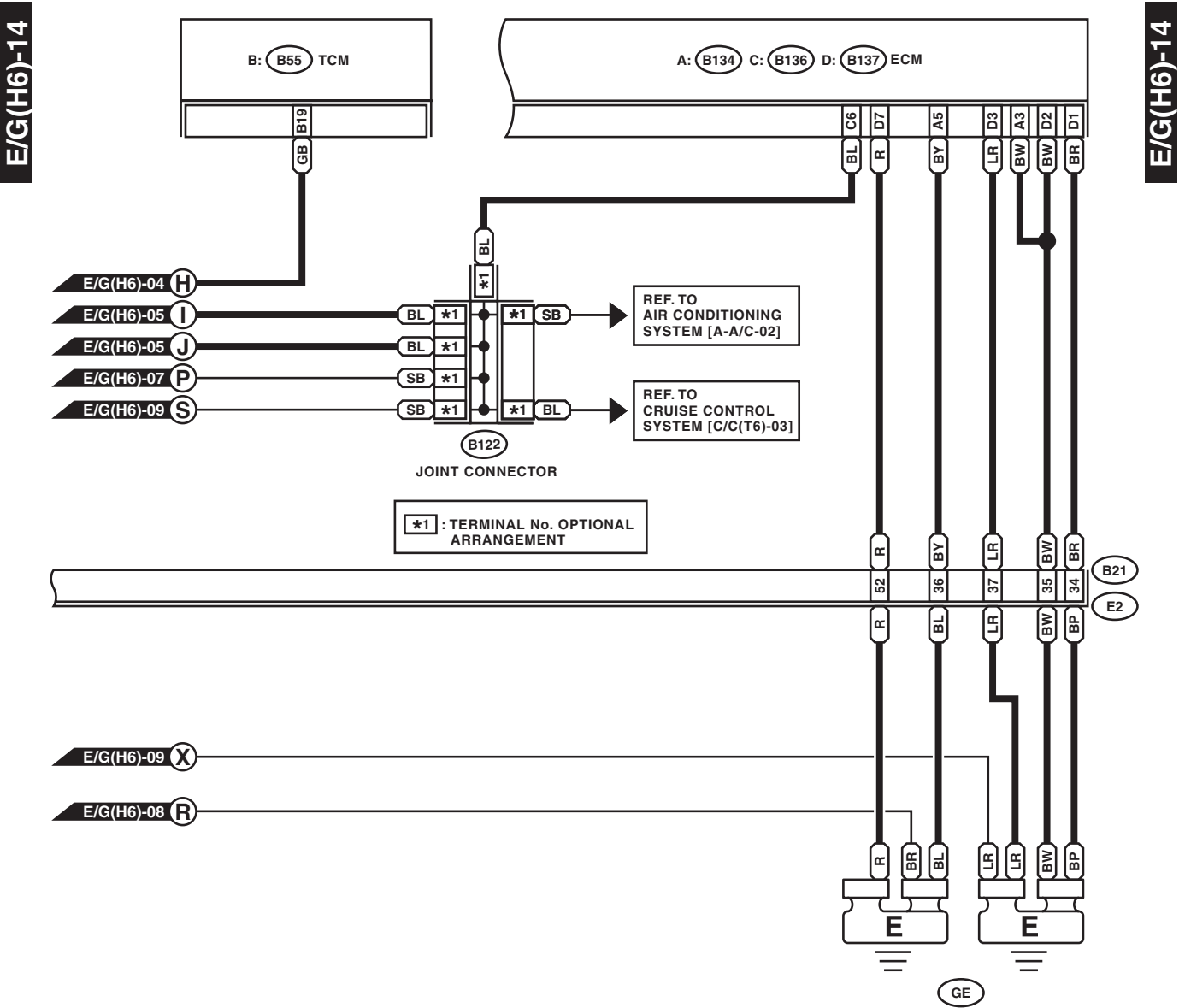
B21 (BLACK)

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				

Engine Electrical System

WIRING SYSTEM





B122

1	2	3	4
5	6	7	8

B: B55 (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		

D: B137

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				

A: B134

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	

B21 (BLACK)

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				

C: B136

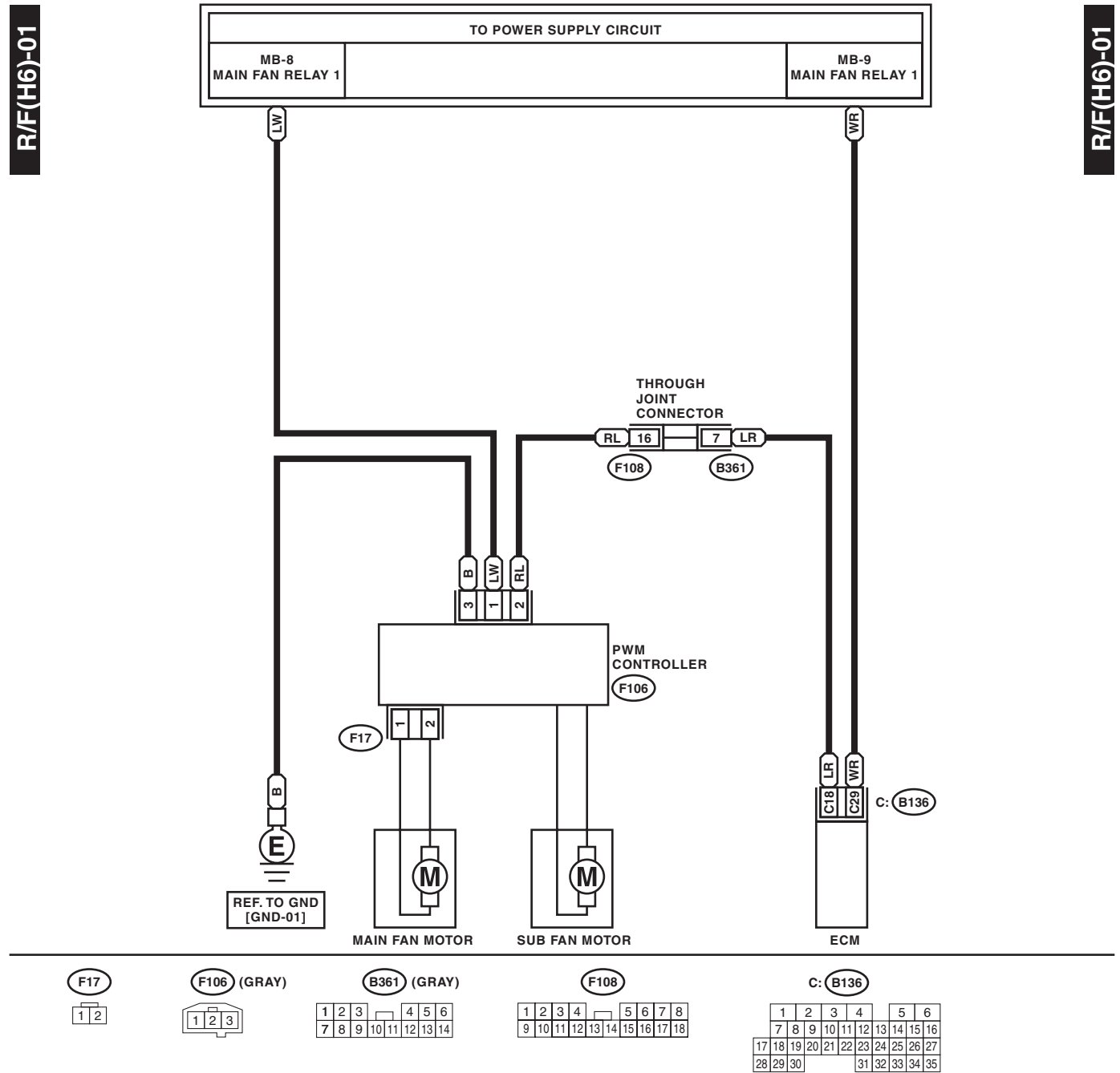
1	2	3	4	5	6
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30
31	32	33	34	35	

WI-13177

Radiator Fan System

WIRING SYSTEM

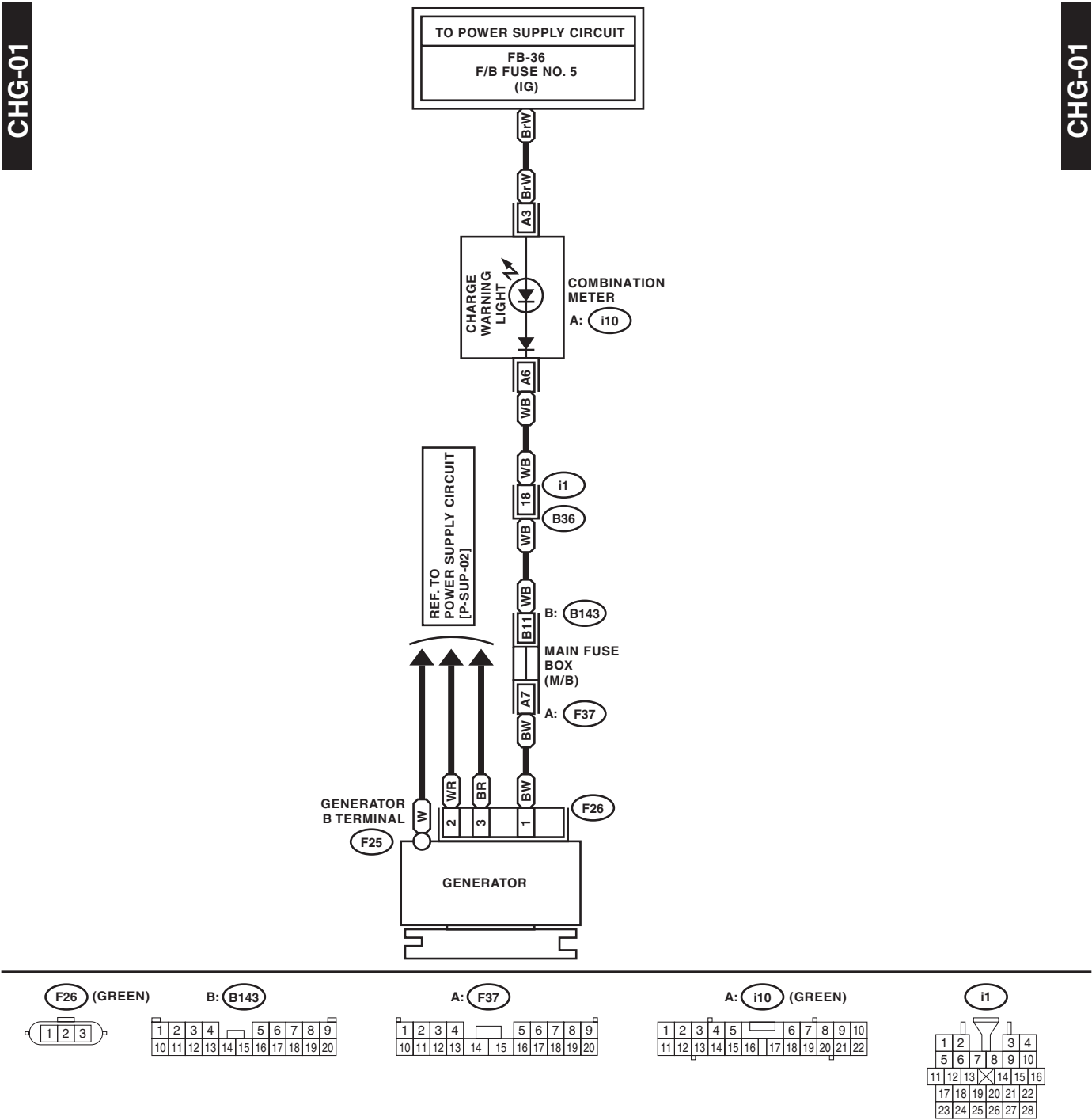
2. 3.0 L MODEL



WI-13179

7. Charging System

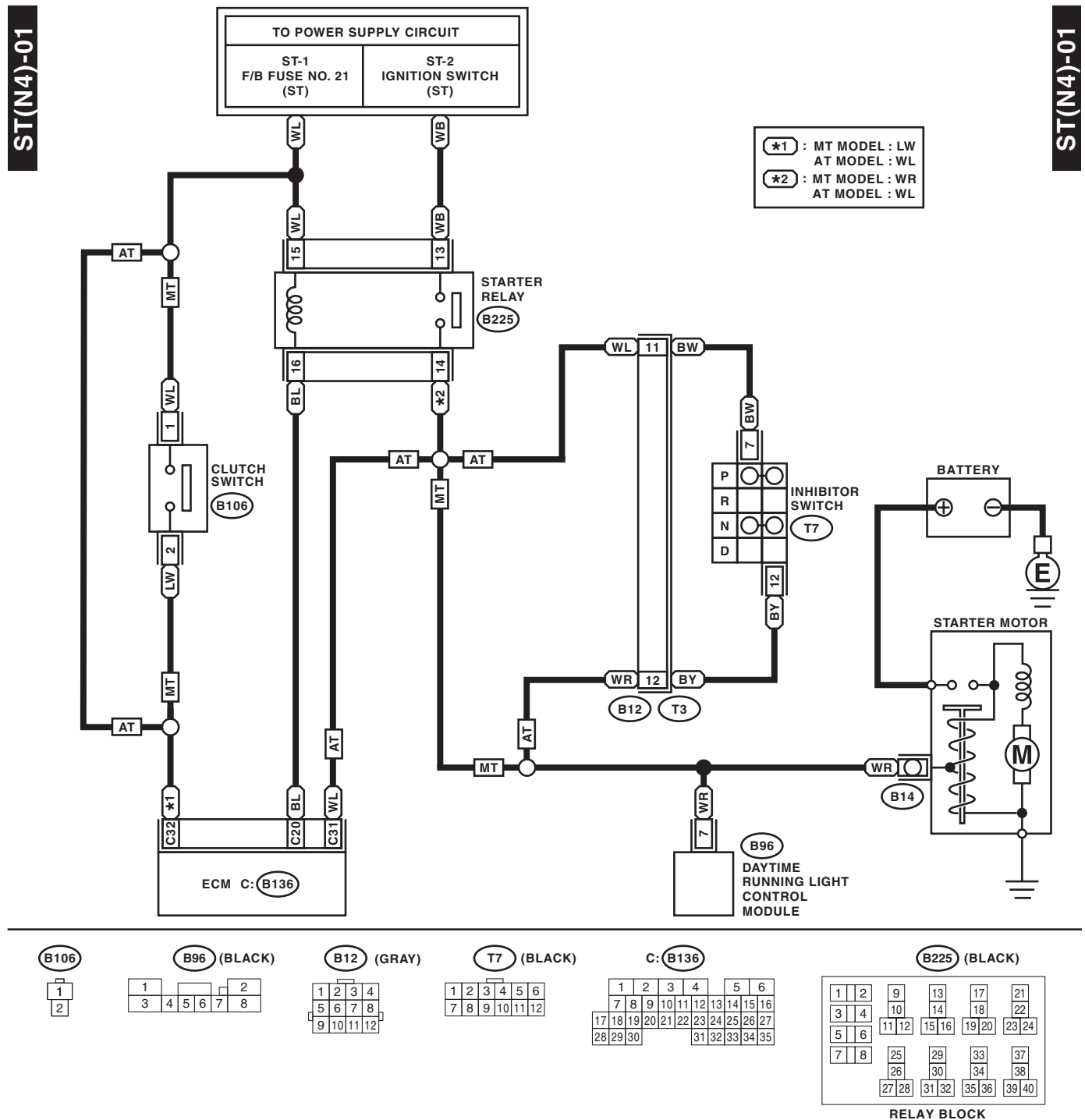
A: WIRING DIAGRAM



8. Starter System

A: WIRING DIAGRAM

1. 2.5 L NON-TURBO MODEL

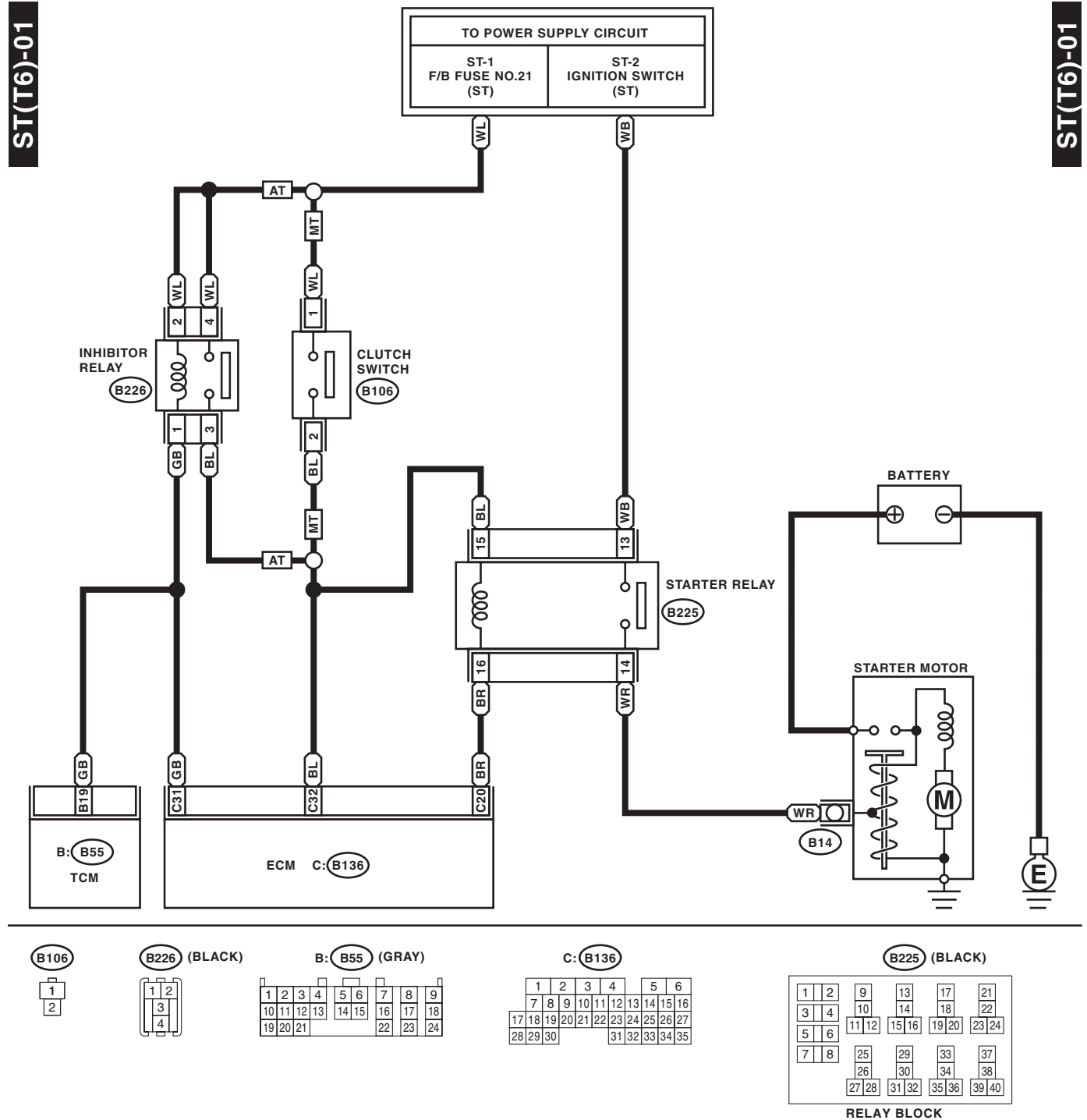


WI-13181

Starter System

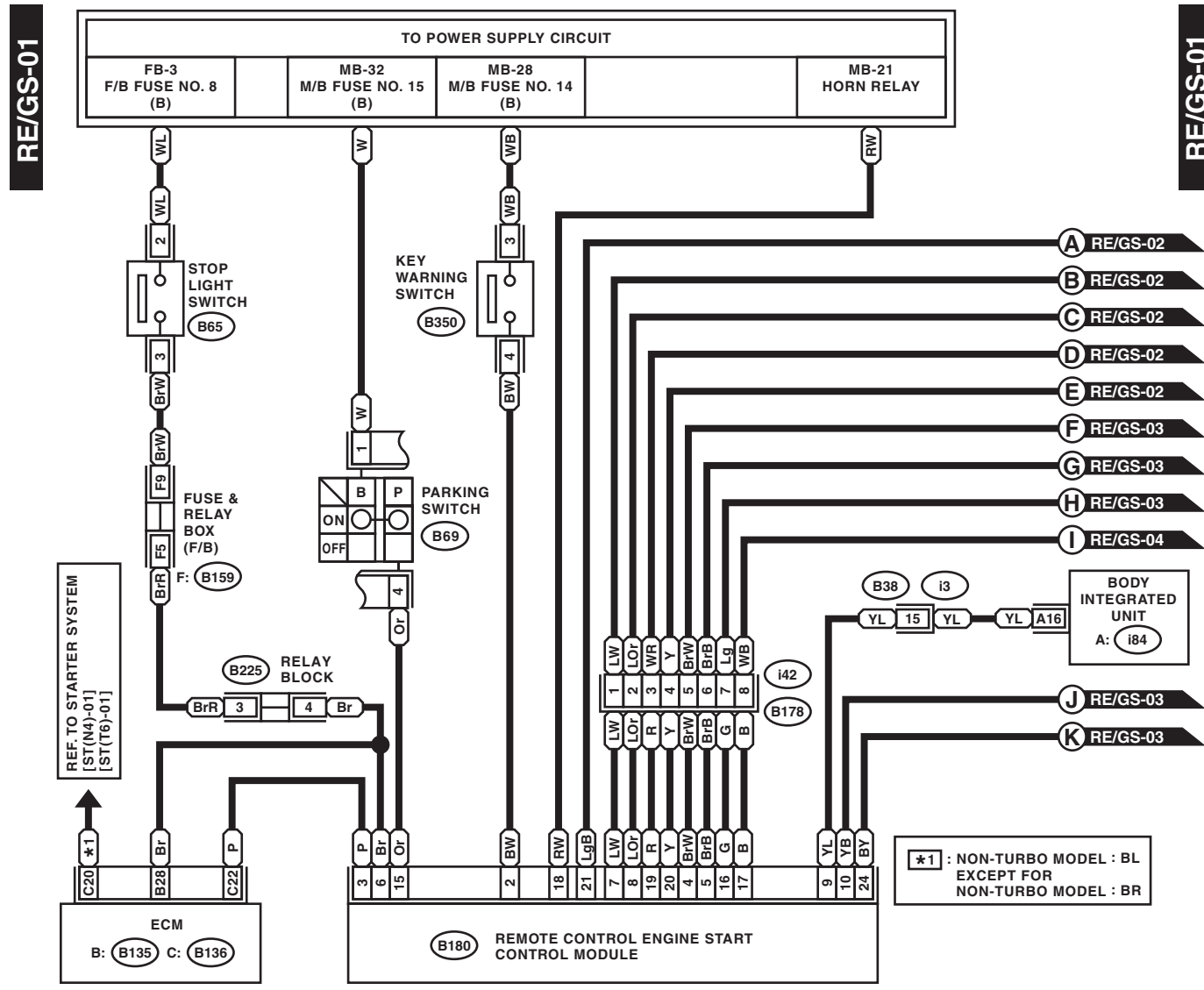
WIRING SYSTEM

2. 2.5L TURBO MODEL AND 3.0 L MODEL



9. Remote Engine Start System

A: WIRING DIAGRAM



B65 (BLACK)

1	2
3	4

B69

1	2
3	4

B350

1	2	3	4
---	---	---	---

i42

1	2	3
4	5	6

F: B159 (BROWN)

1	2	3	4
5	6	7	8

B38

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

B180

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

B: B135

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

C: B136

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

A: i84 (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

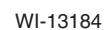
B225 (BLACK)

1	2	9	13	17	21
3	4	10	14	18	22
5	6	11	15	19	23
7	8	12	16	20	24
25	29	33	37		
26	30	34	38		
27	28	31	32	35	36
39	40				

RELAY BLOCK

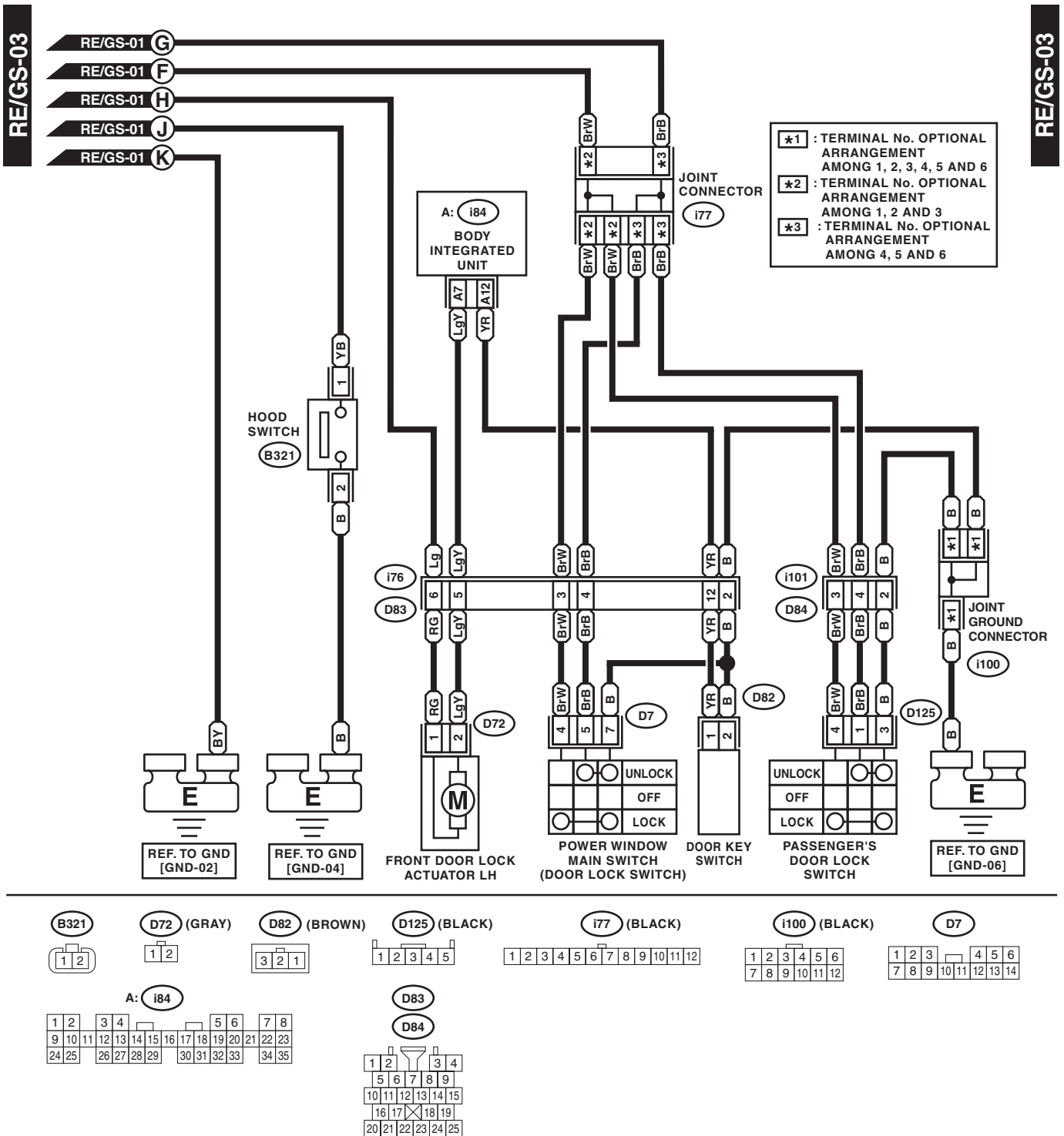
WI-13183

WIRING SYSTEM



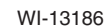
Remote Engine Start System

WIRING SYSTEM



WI-13185

WIRING SYSTEM



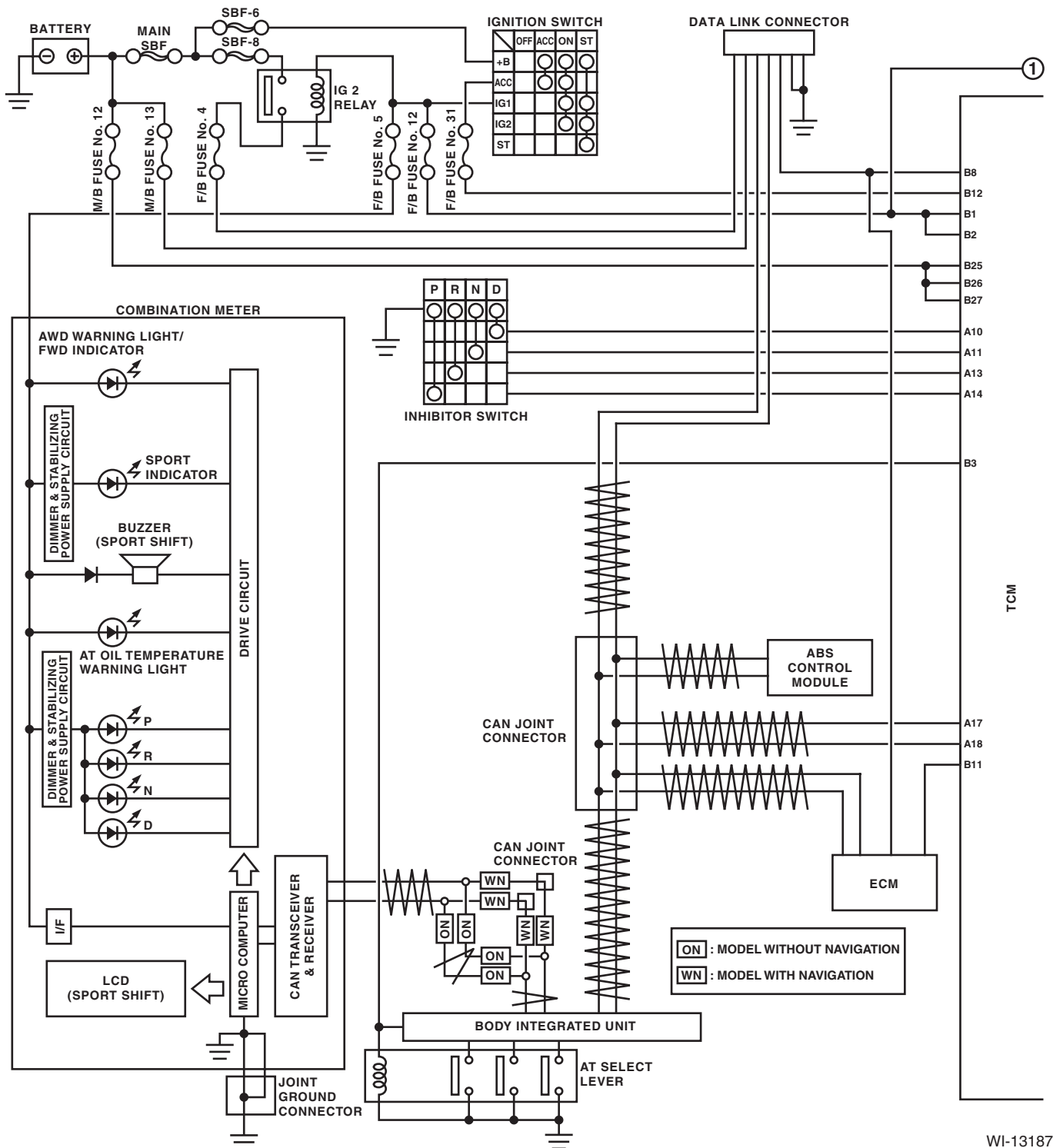
AT Control System

WIRING SYSTEM

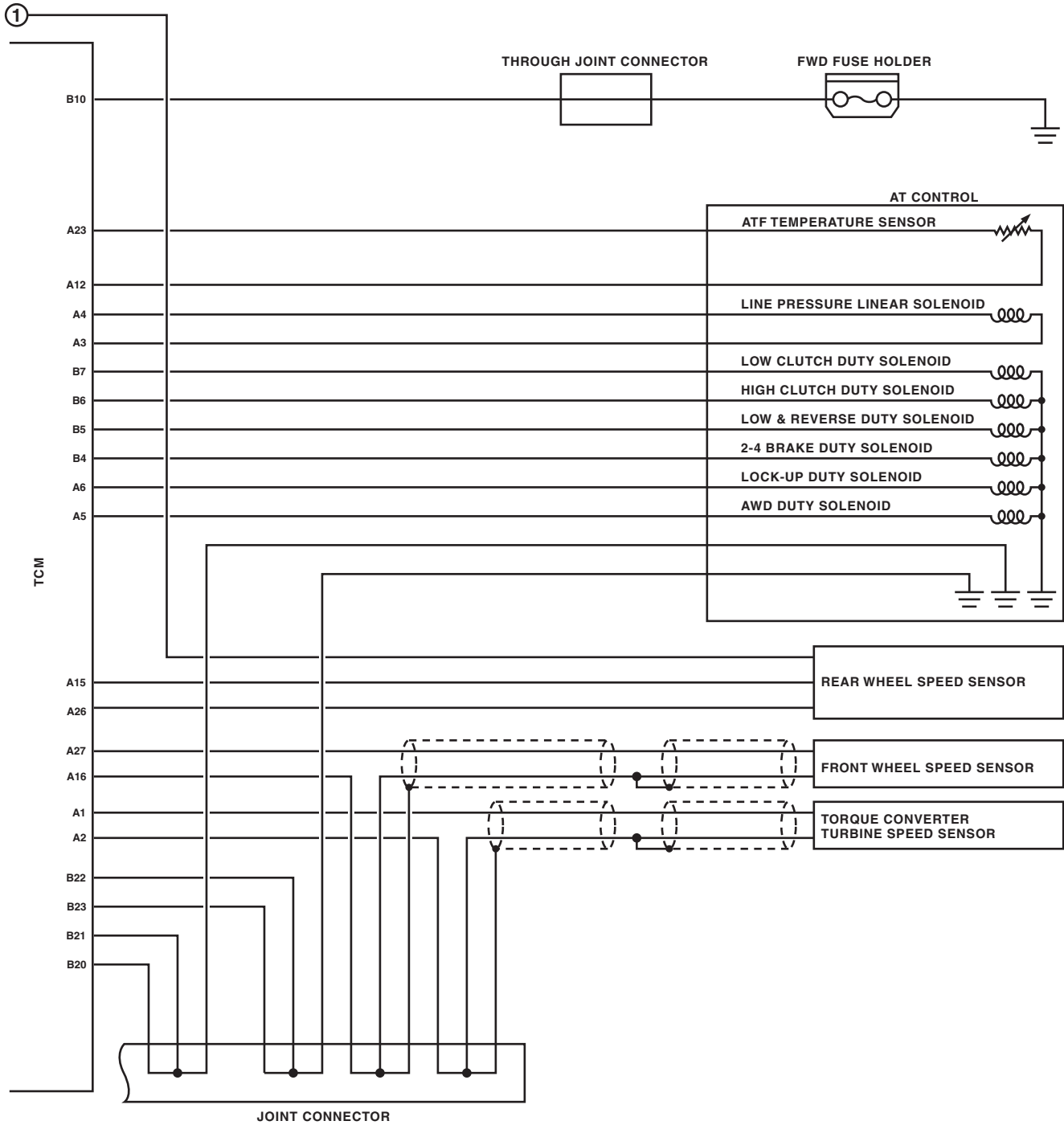
10. AT Control System

A: WIRING DIAGRAM

1. 4AT MODEL



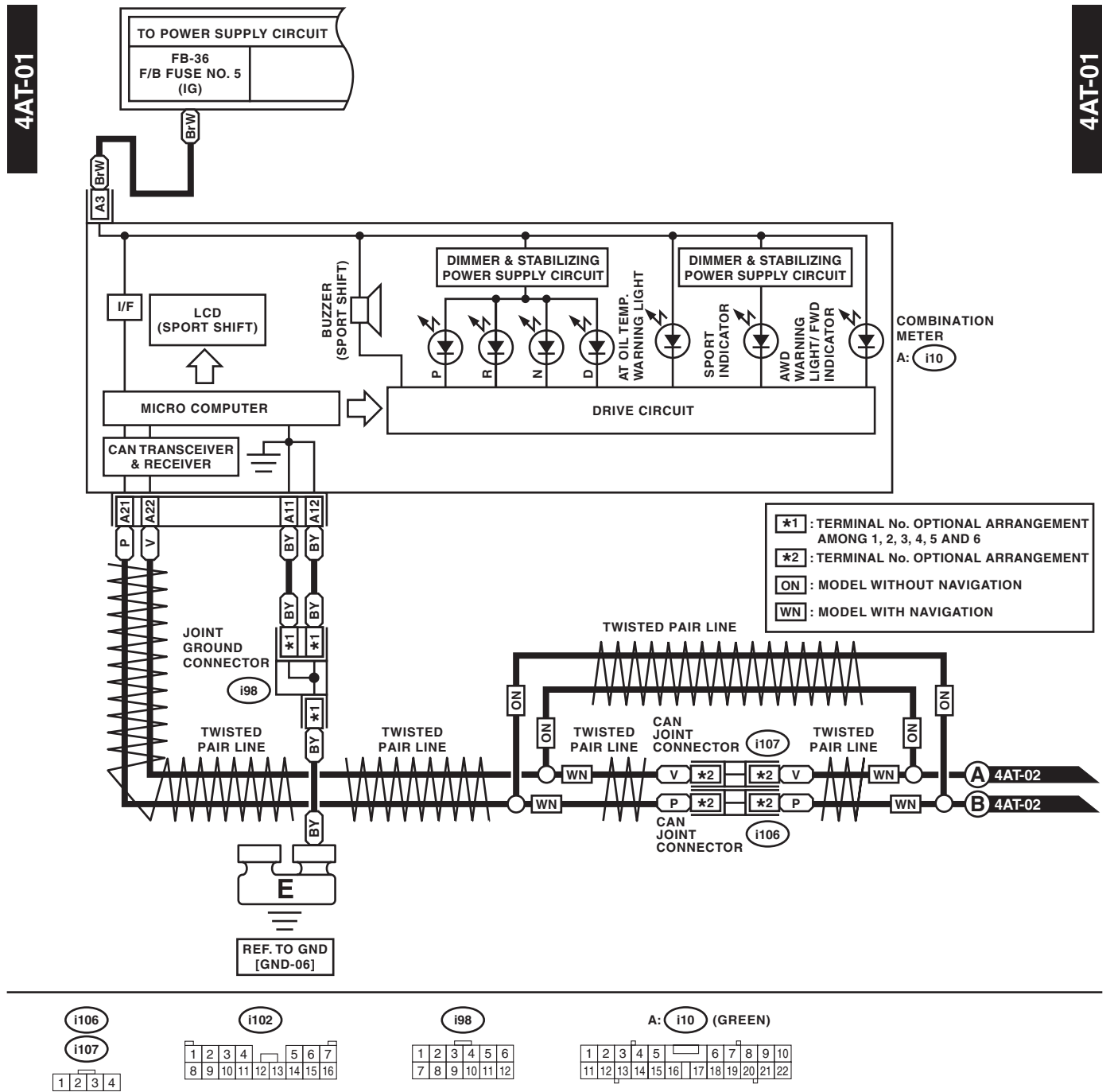
WI-13187



WI-13188

AT Control System

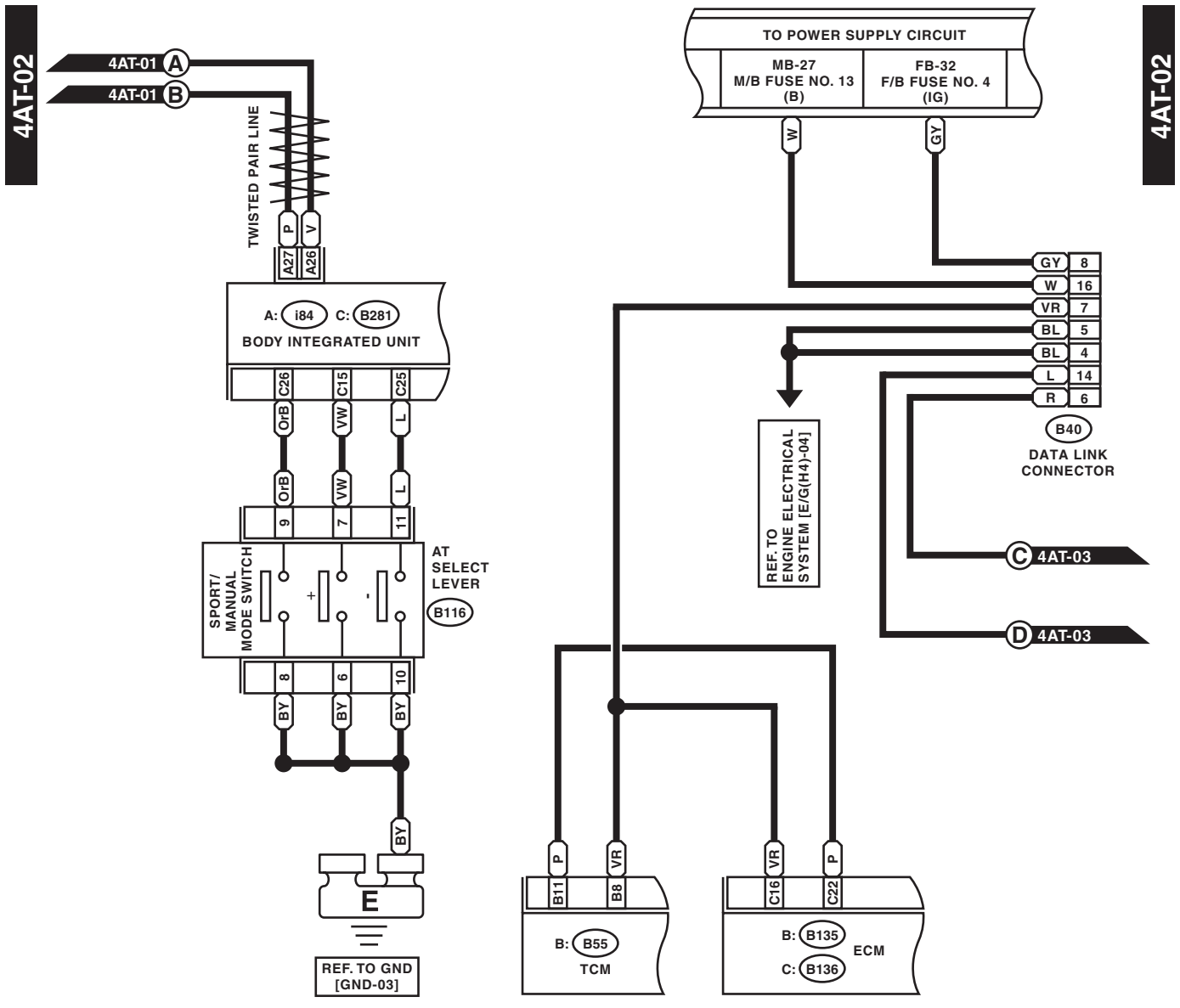
WIRING SYSTEM



WI-13189

AT Control System

WIRING SYSTEM



B116

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

B40 (BLACK)

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

C: B281

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

B: B55

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

B: B135

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

C: B136

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	

A: i84 (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					

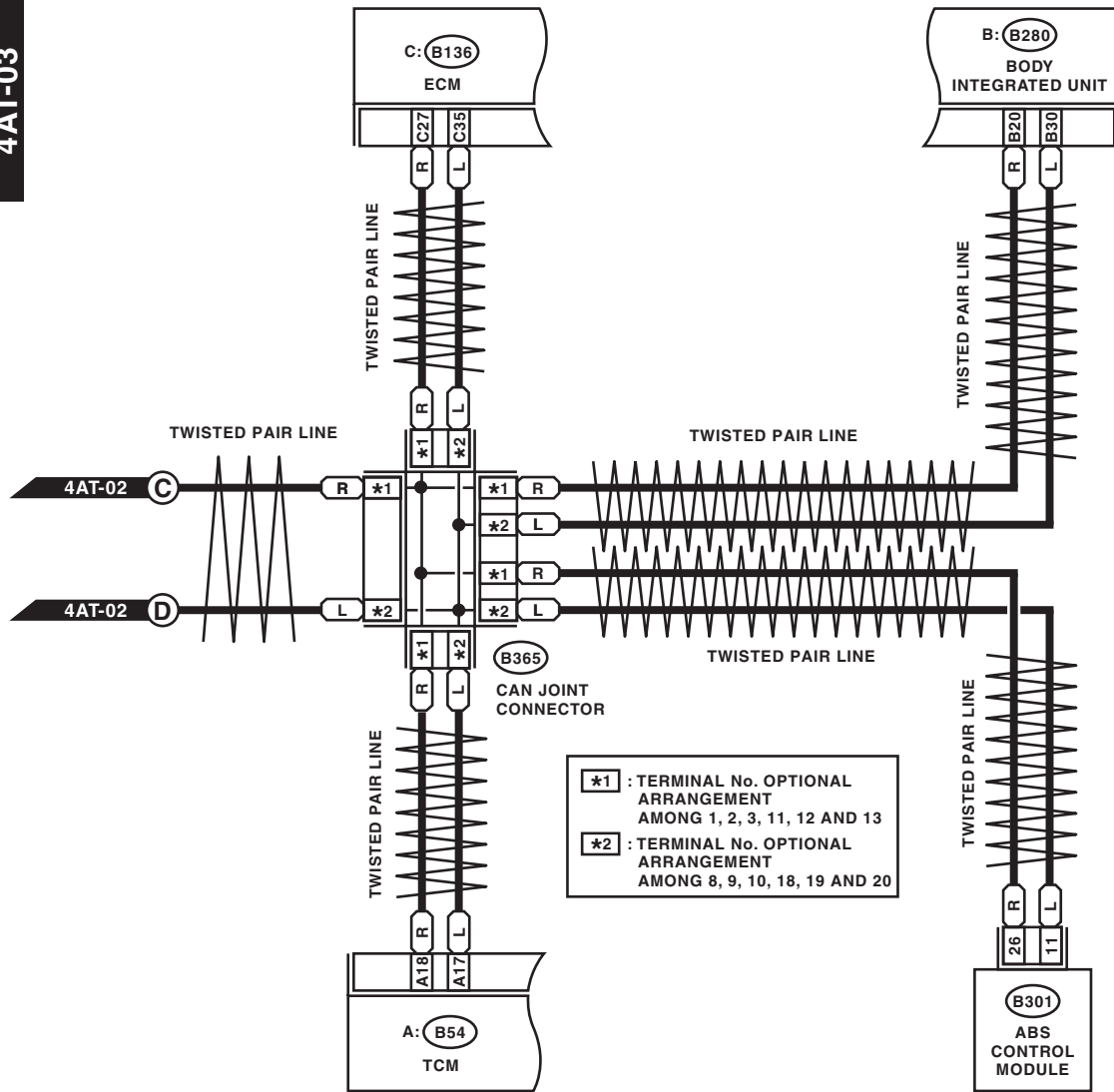
WI-17957

AT Control System

WIRING SYSTEM

4AT-03

4AT-03



B365

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

B301 (BLACK)

12	13	14	15	1	2	3	4	5	6	7	8	9	10	11
16	17	18	19	20	21	22	23	24	25	26				

B: B280

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							

A: B54

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	

C: B136

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	

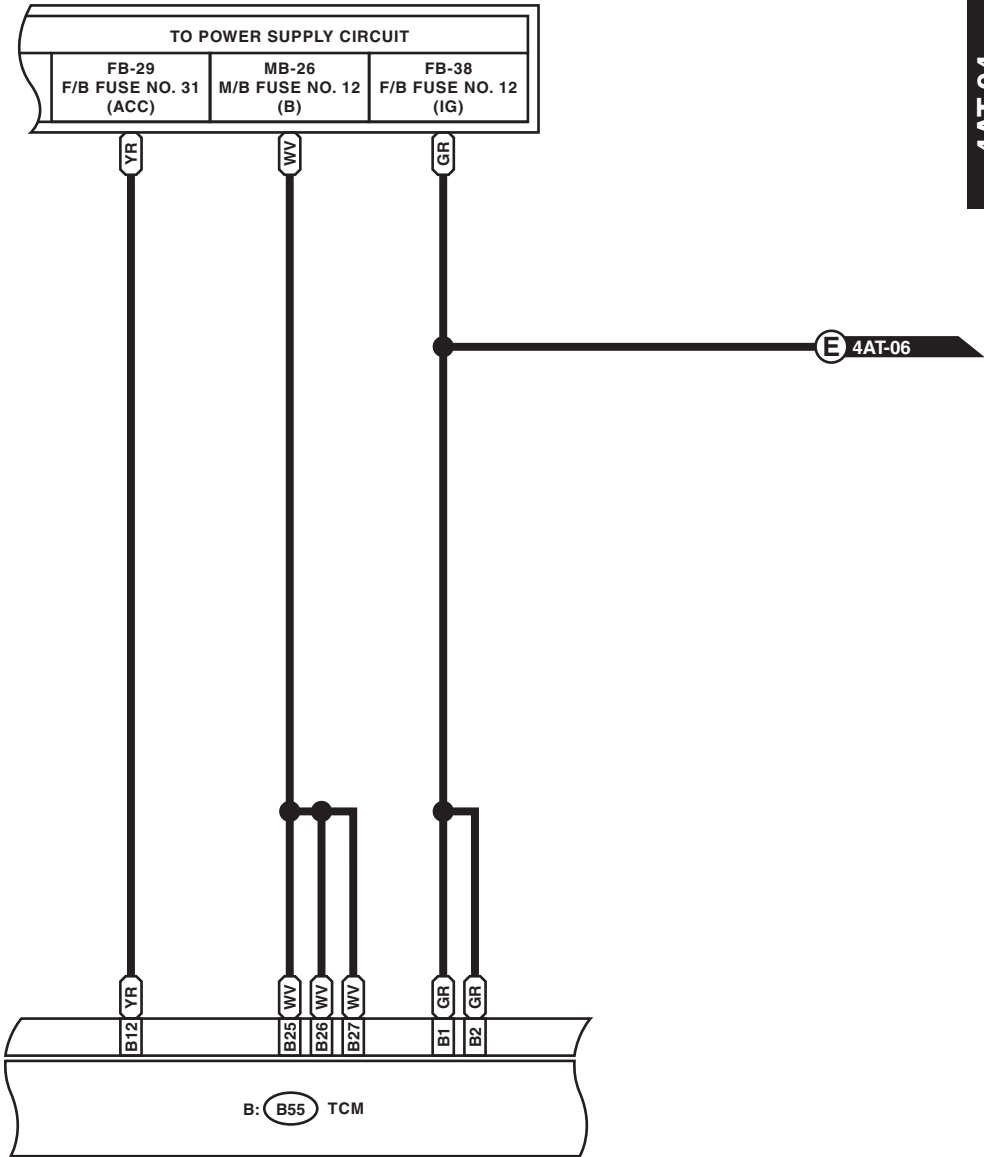
WI-13191

AT Control System

WIRING SYSTEM

4AT-04

4AT-04



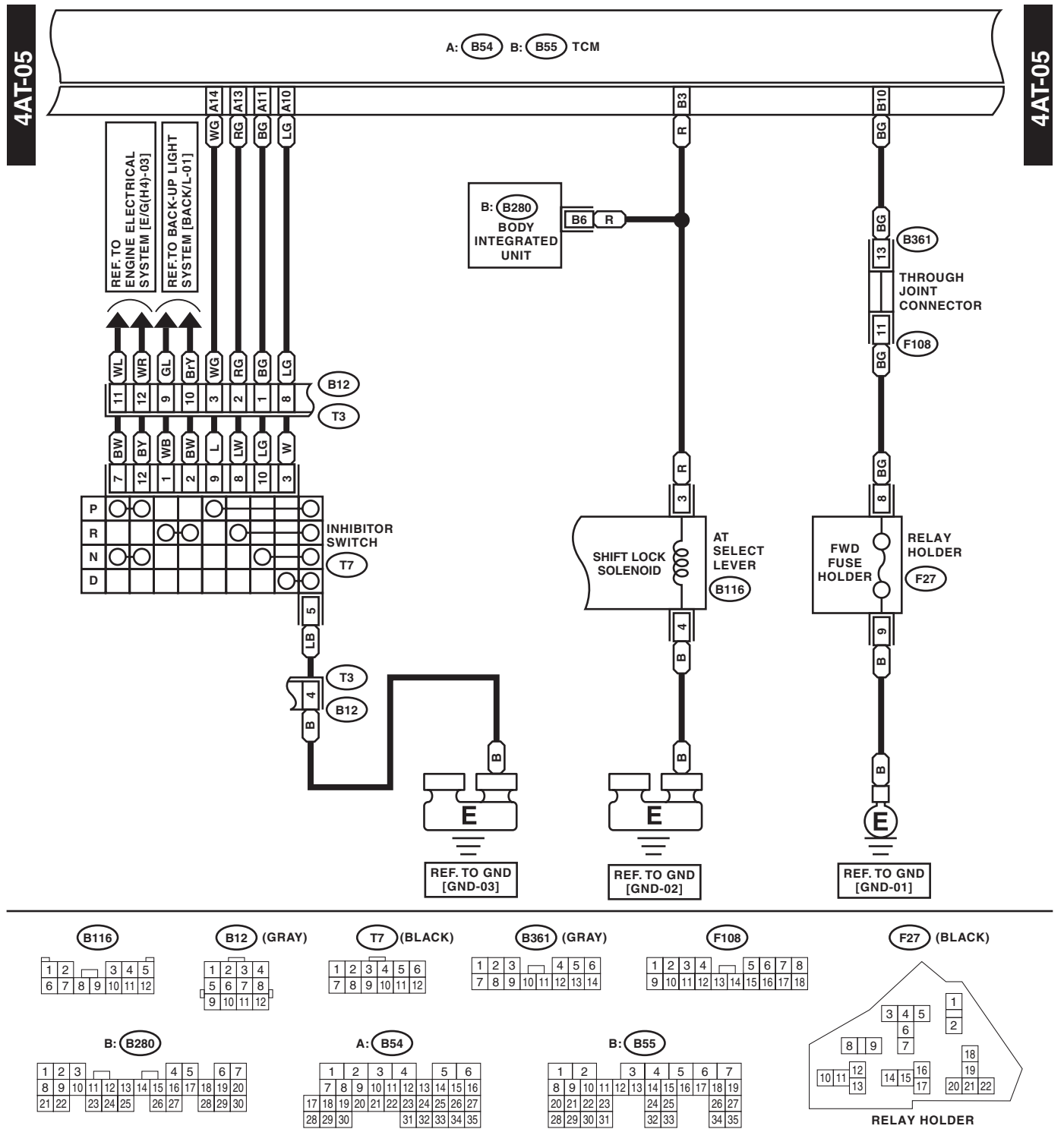
B: B55

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		

WI-13193

AT Control System

WIRING SYSTEM

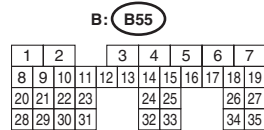
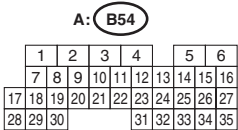
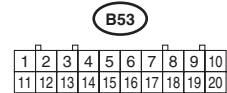
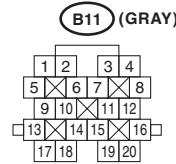
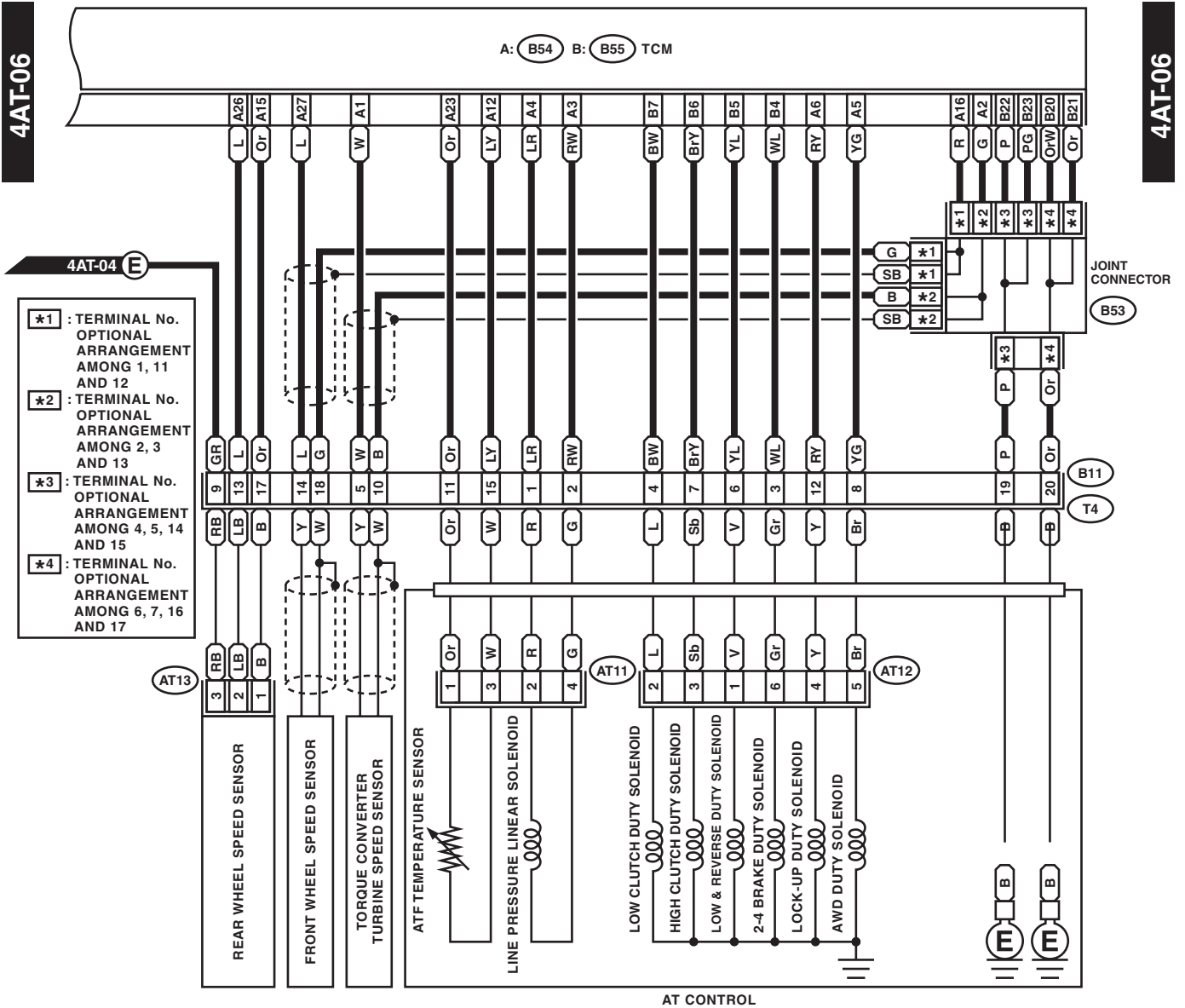


AT Control System

WIRING SYSTEM

4AT-06

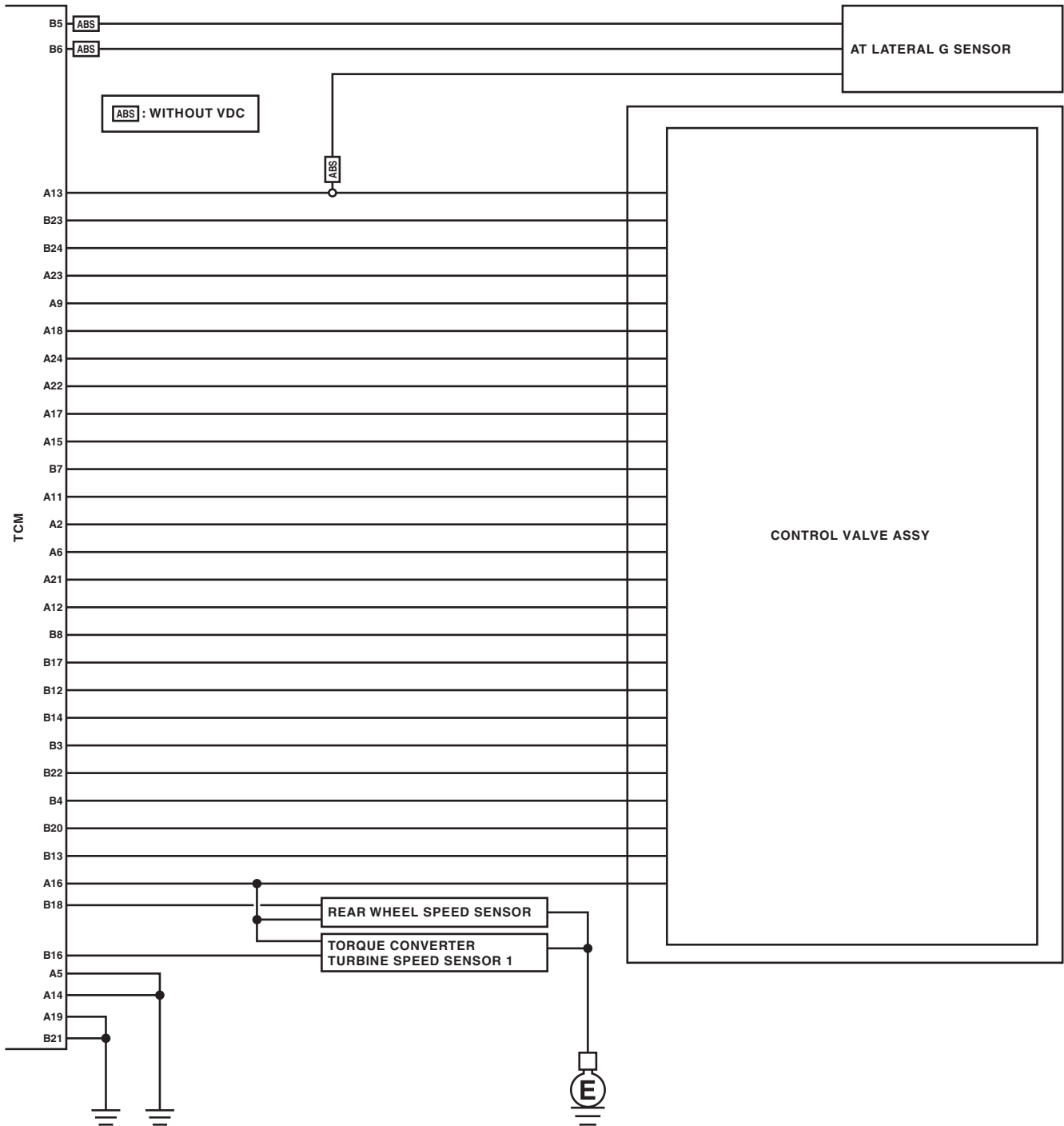
4AT-06



WI-13195

AT Control System

WIRING SYSTEM



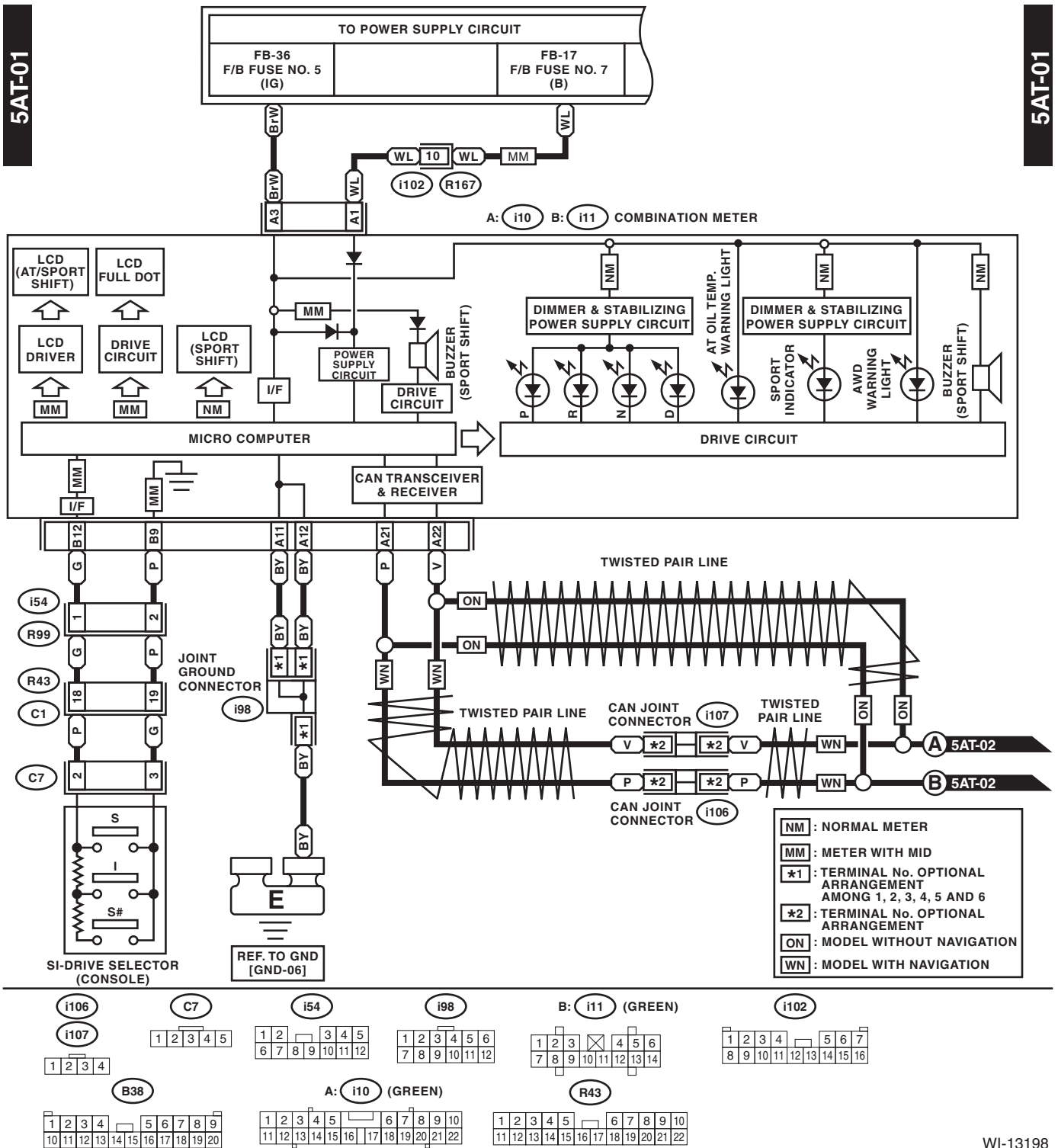
WI-13197

AT Control System

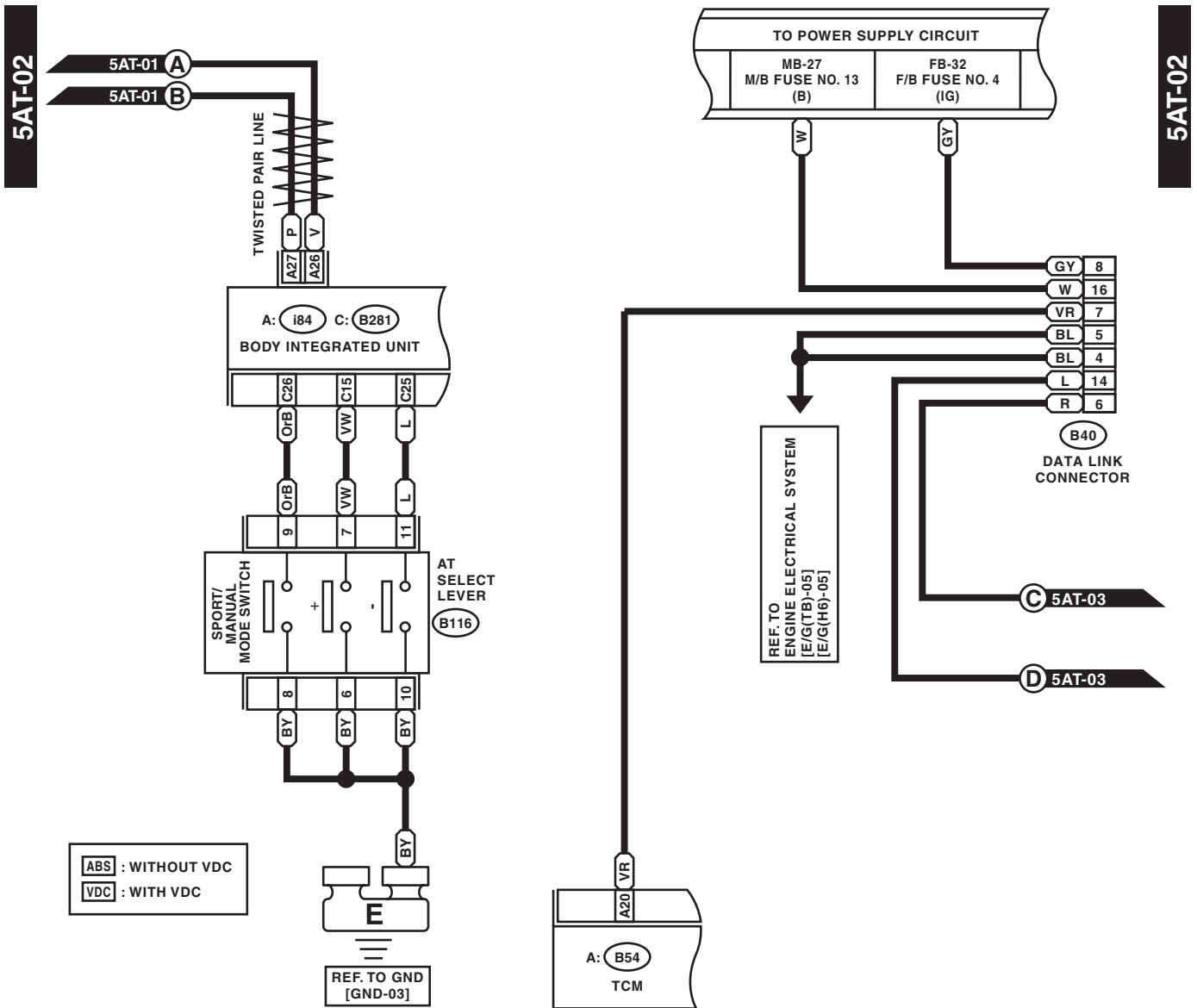
WIRING SYSTEM

5AT-01

5AT-01



WI-13198



(B116)

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

(B40) (BLACK)

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

A: (B54)

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

C: (B281)

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

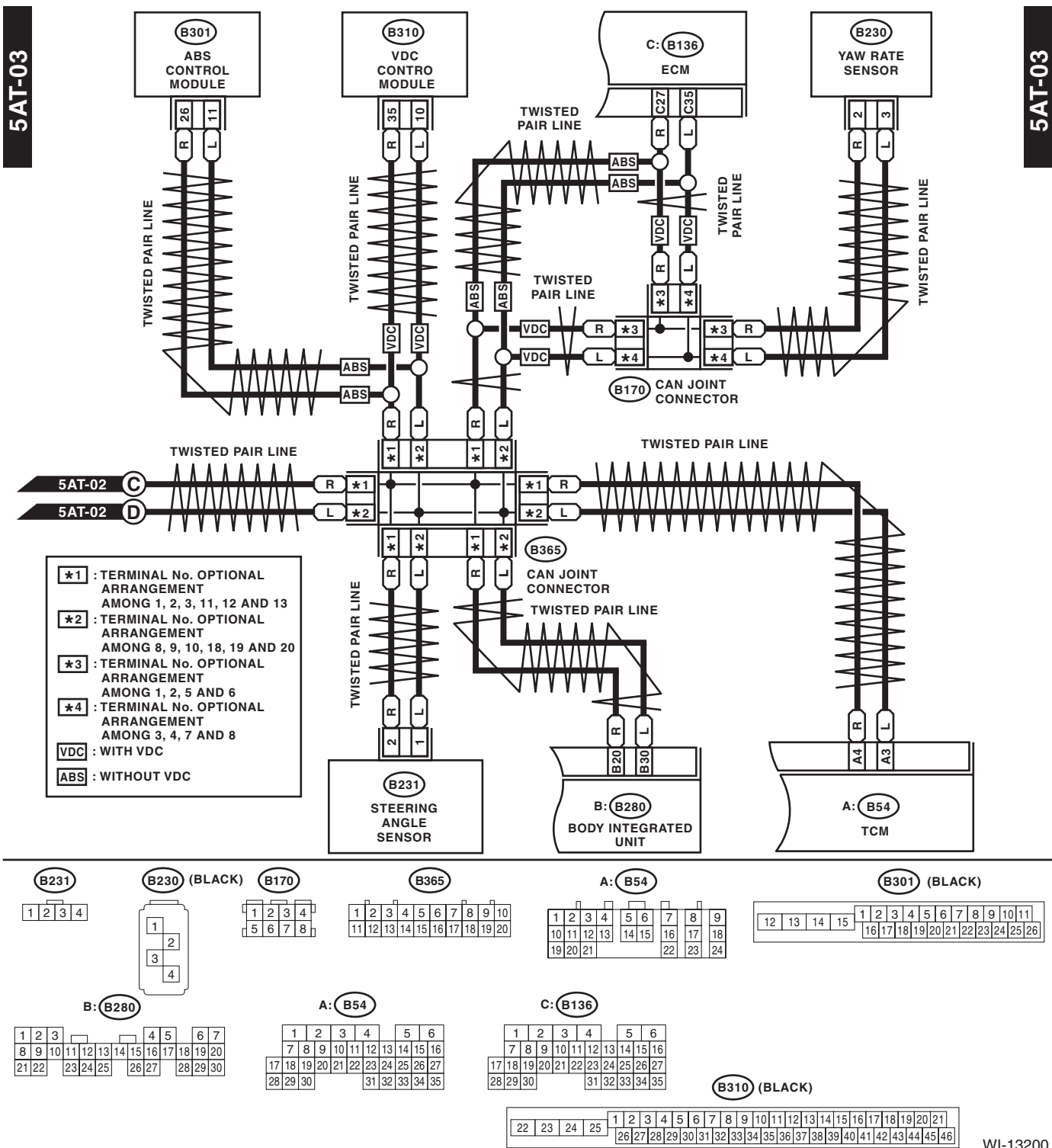
A: i84 (GRAY)

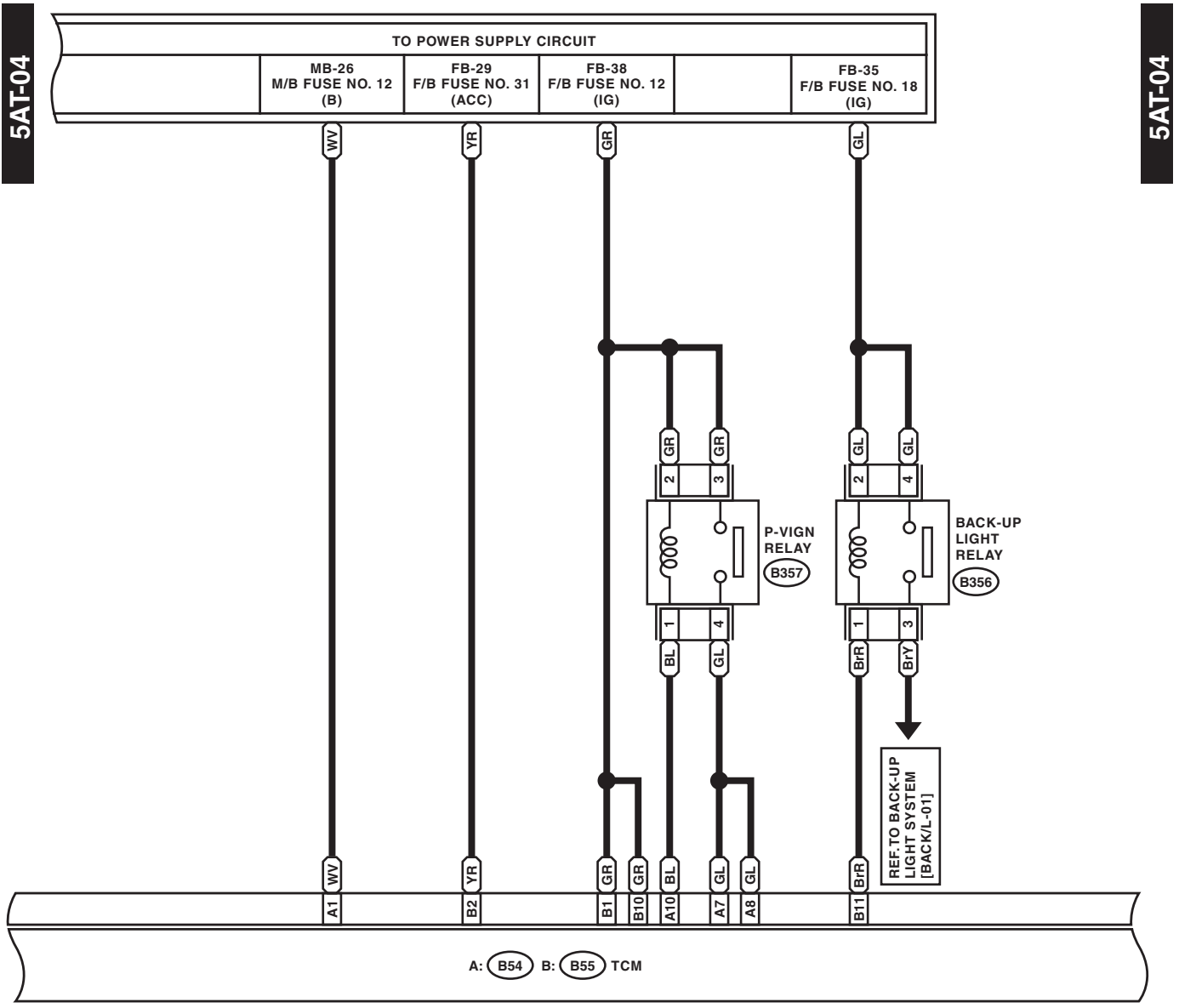
1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16
17	18	19	20	21	22	23	24
25	26	27	28	29	30	31	32
33	34	35					

WI-17958

AT Control System

WIRING SYSTEM





(B356) (BLACK)

(B357) (BLACK)



A: (B54)

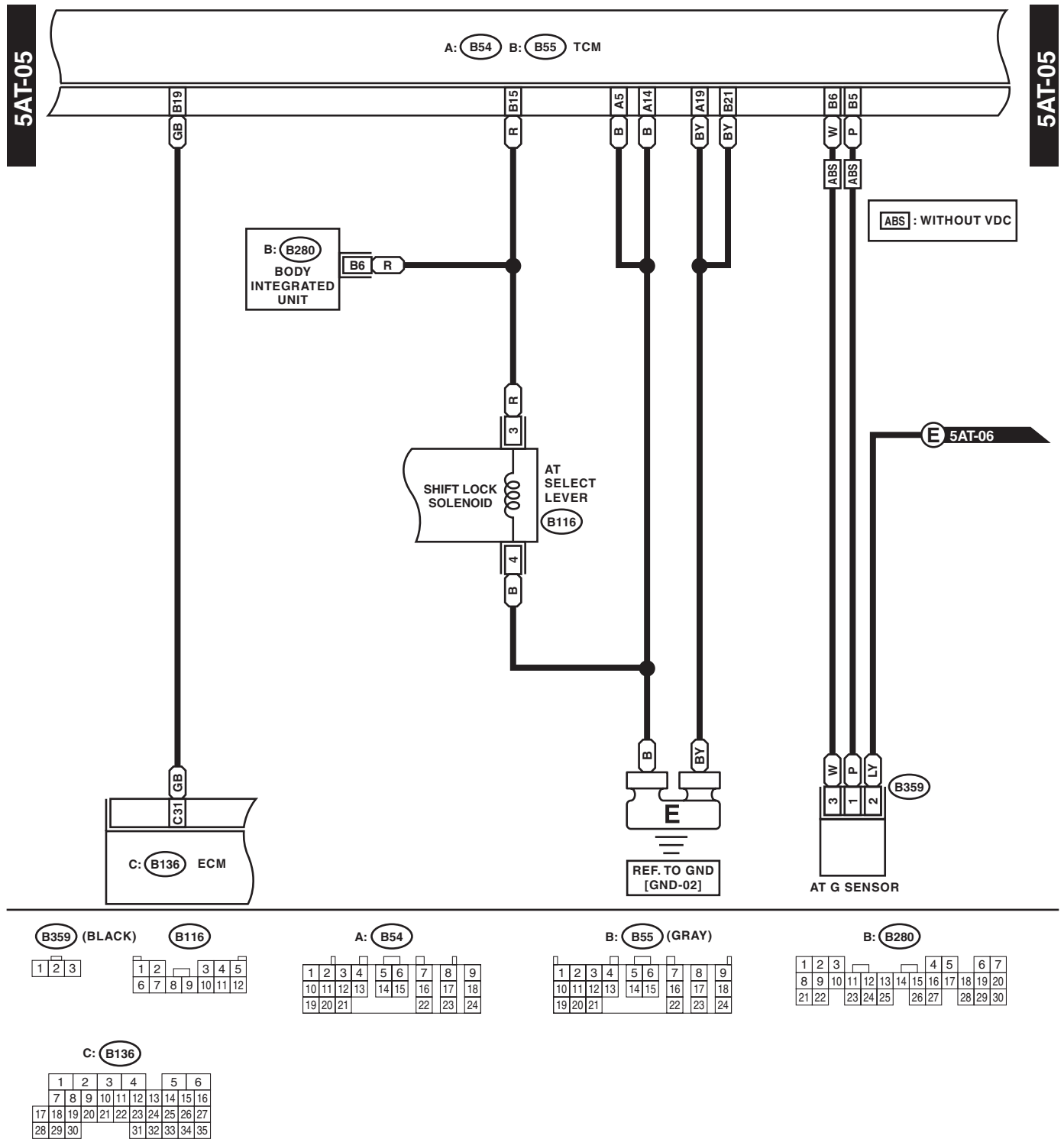
1	2	3	4	5	6	7	8	9
10	11	12	13	14	15	16	17	18
19	20	21				22	23	24

B: (B55) (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

AT Control System

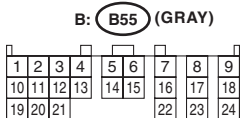
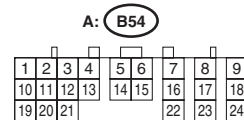
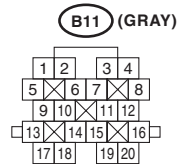
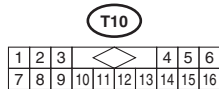
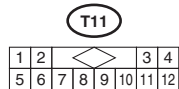
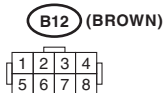
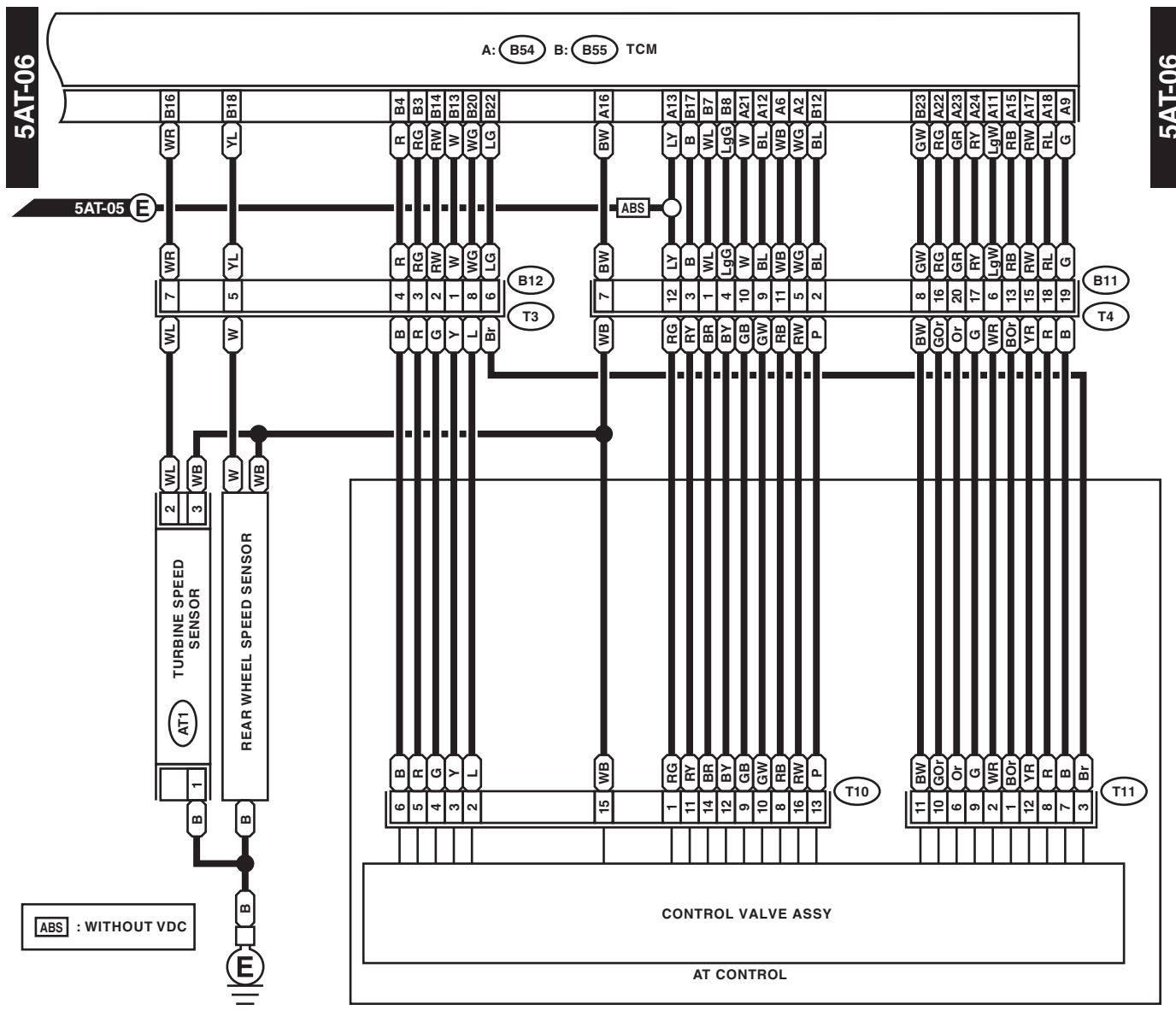
WIRING SYSTEM



WI-13203

AT Control System

WIRING SYSTEM



WI-13204

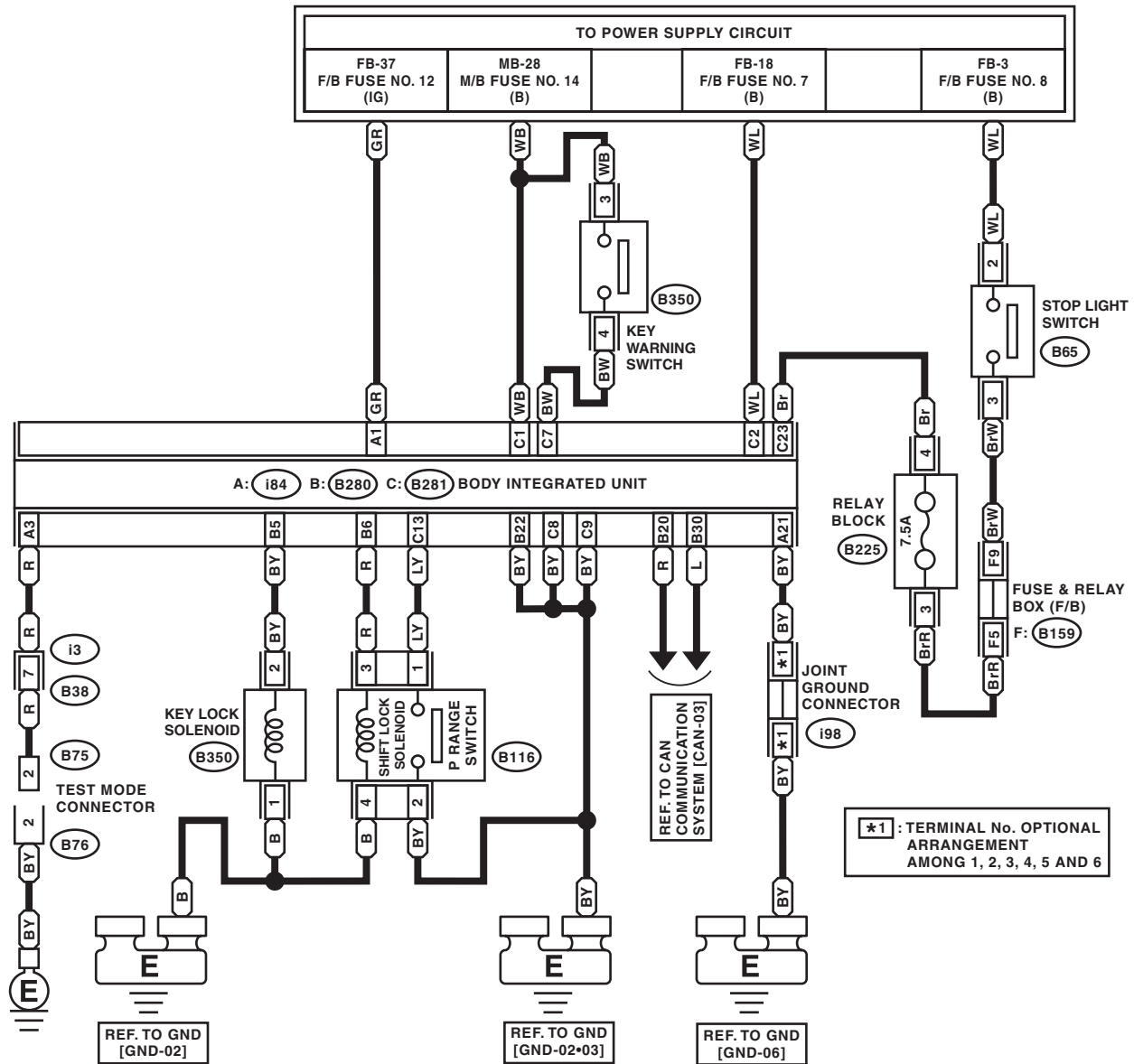
AT Shift Lock Control System

WIRING SYSTEM

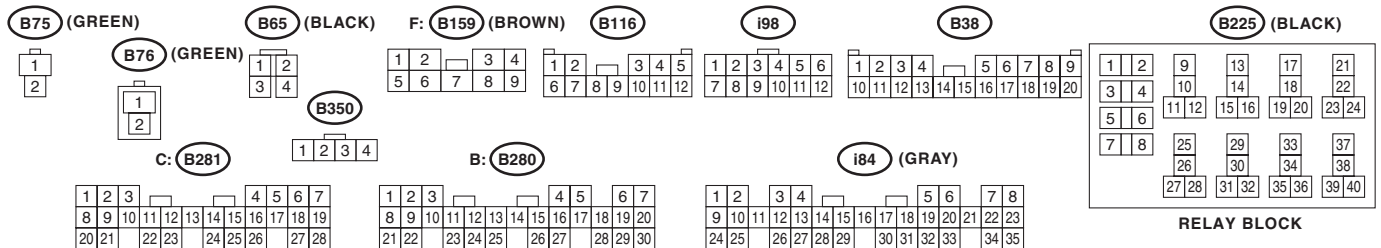
11.AT Shift Lock Control System

A: WIRING DIAGRAM

ATSL-01



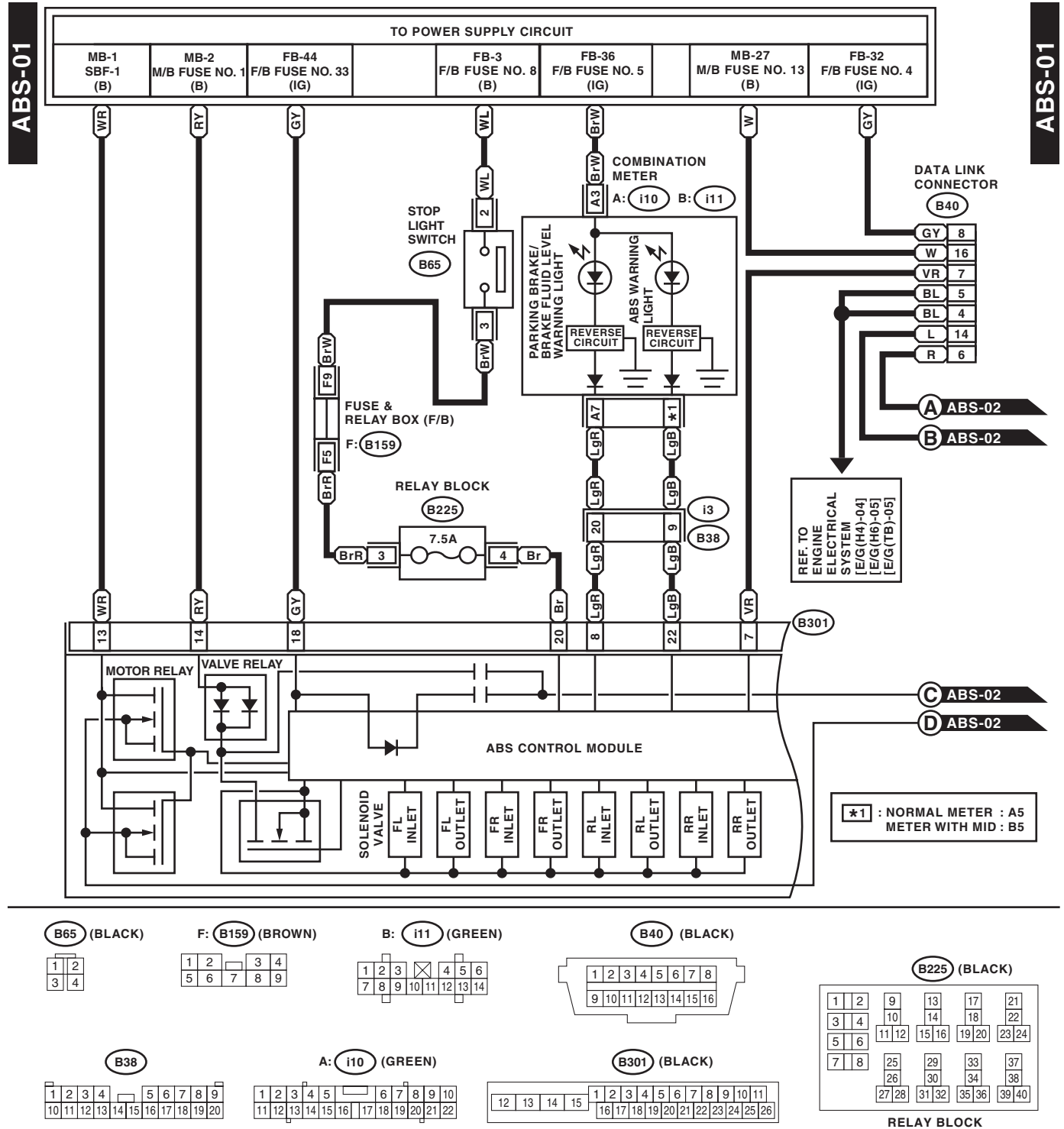
ATSL-01



WI-13205

12. Anti-lock Brake System

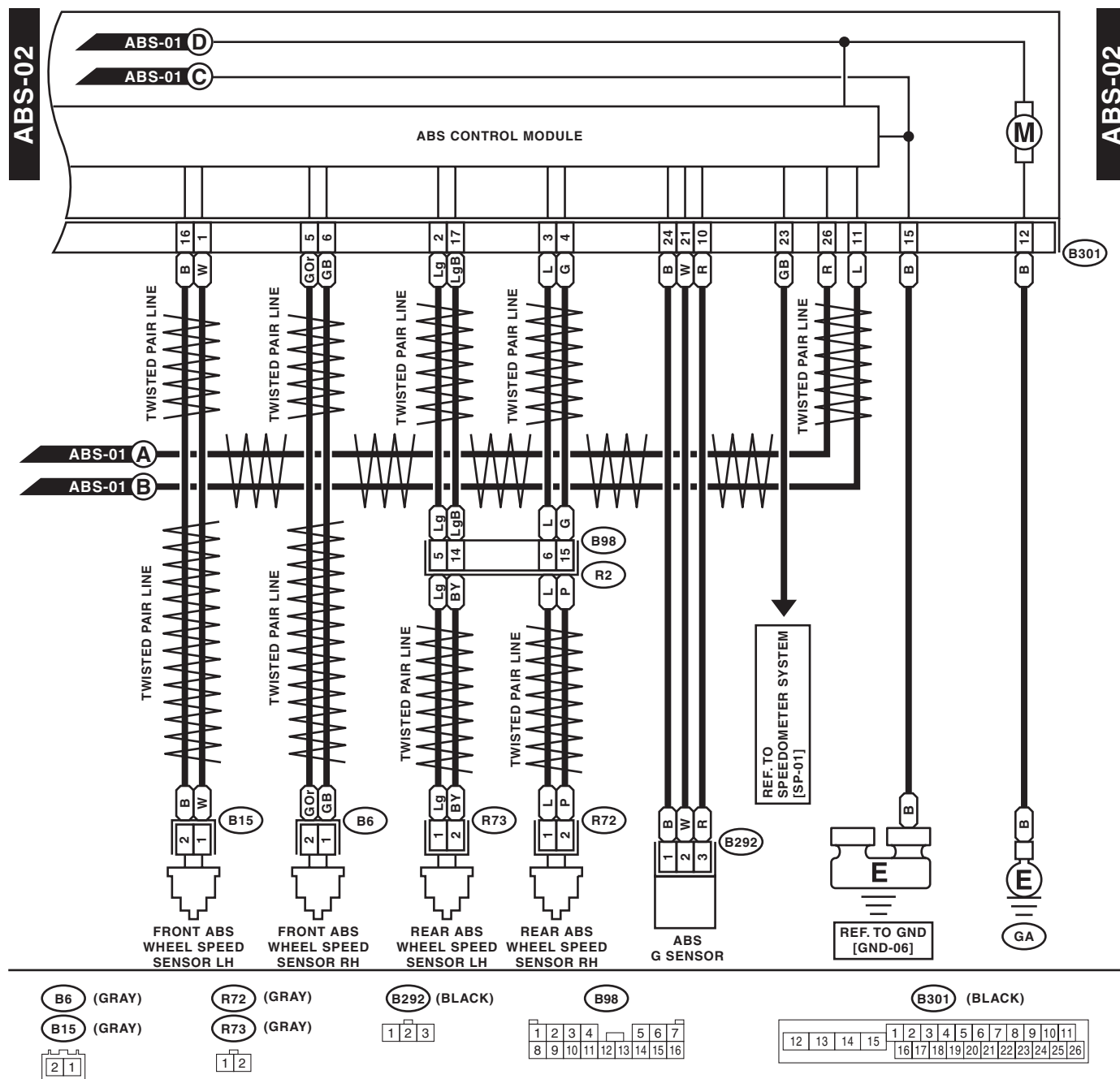
A: WIRING DIAGRAM



WI-13206

Anti-lock Brake System

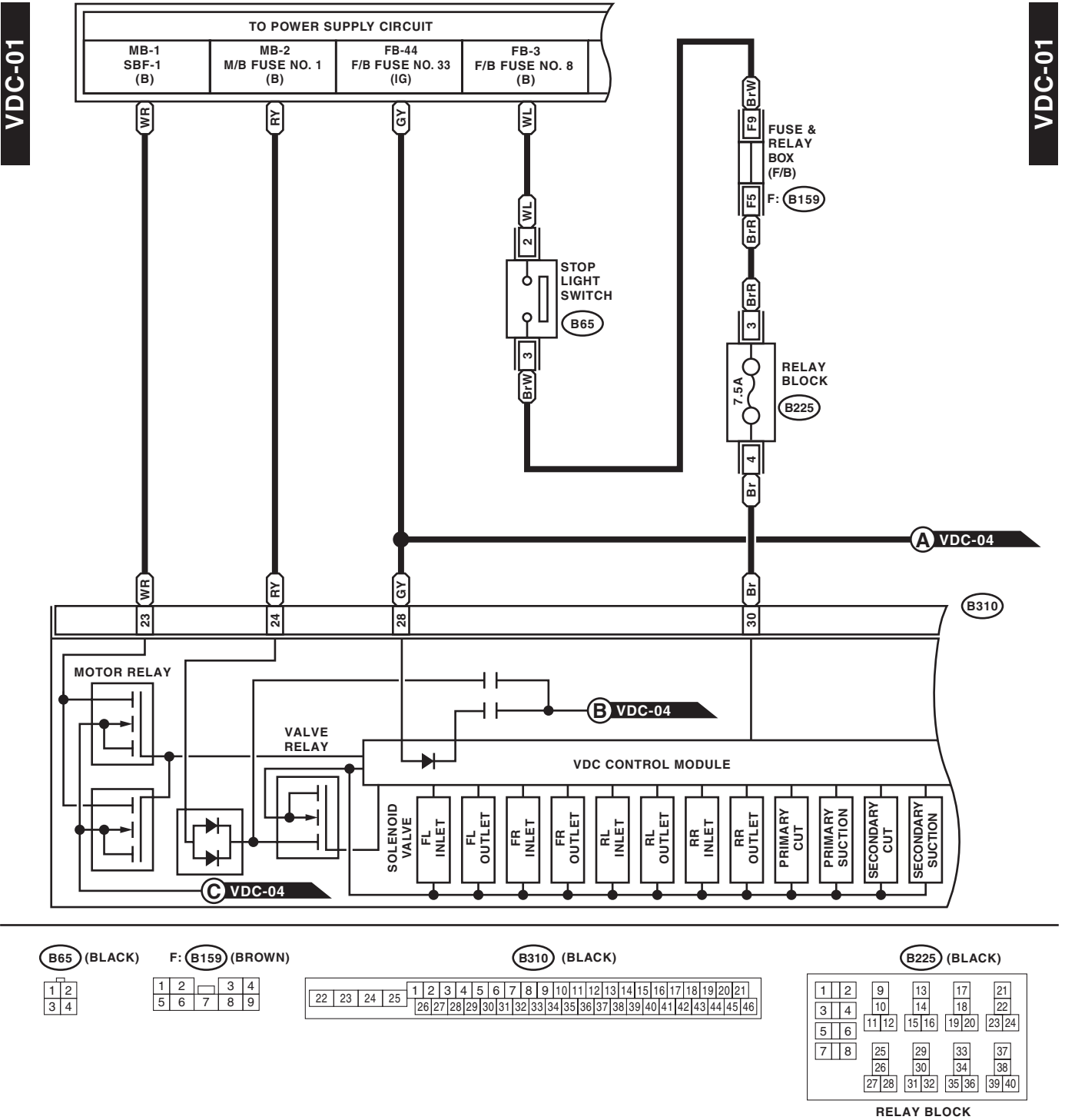
WIRING SYSTEM



WI-13207

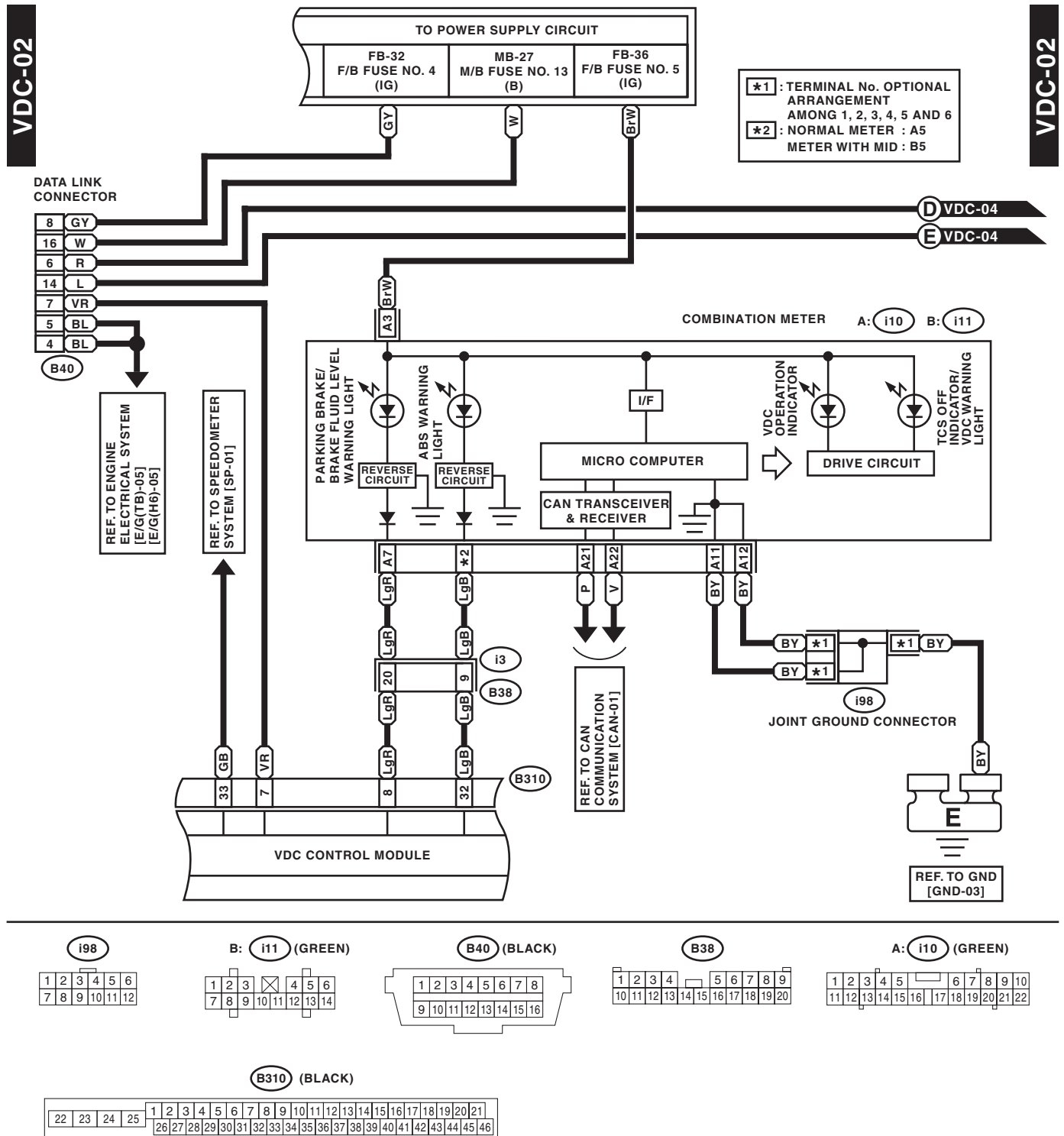
13.Vehicle Dynamics Control System

A: WIRING DIAGRAM

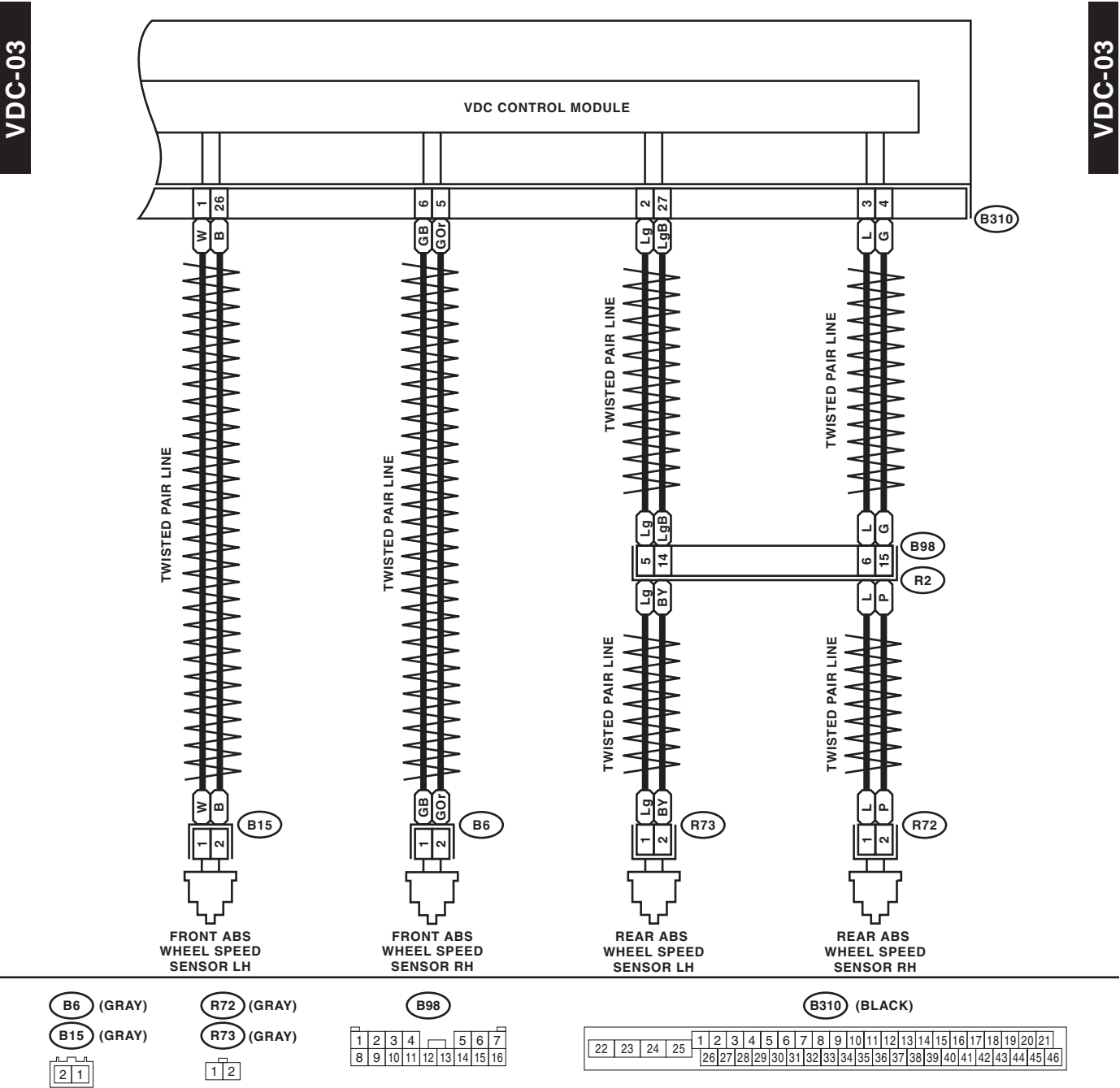


Vehicle Dynamics Control System

WIRING SYSTEM

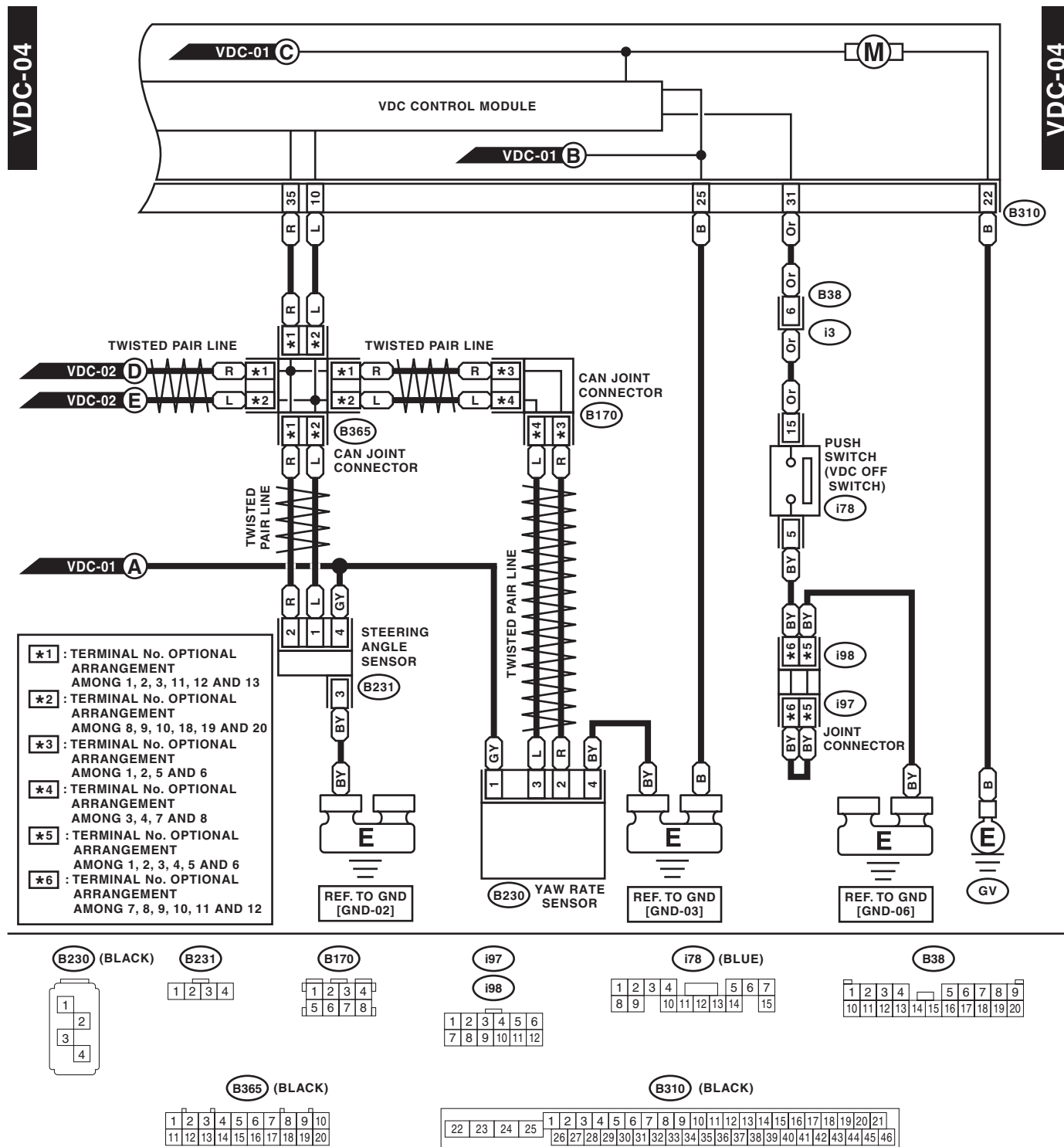


WI-13209



Vehicle Dynamics Control System

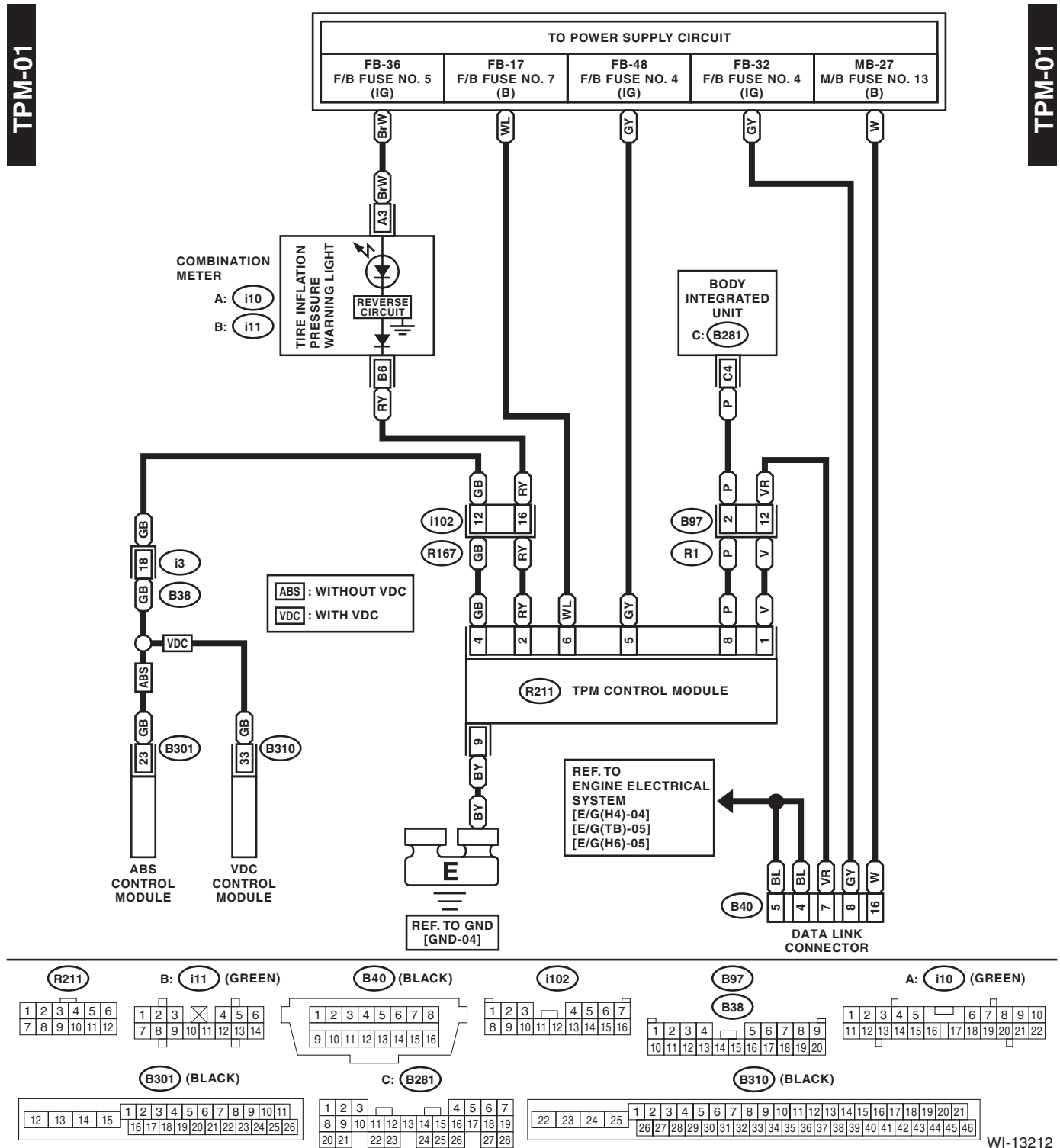
WIRING SYSTEM



WI-13211

14.TPM Control System

A: WIRING DIAGRAM



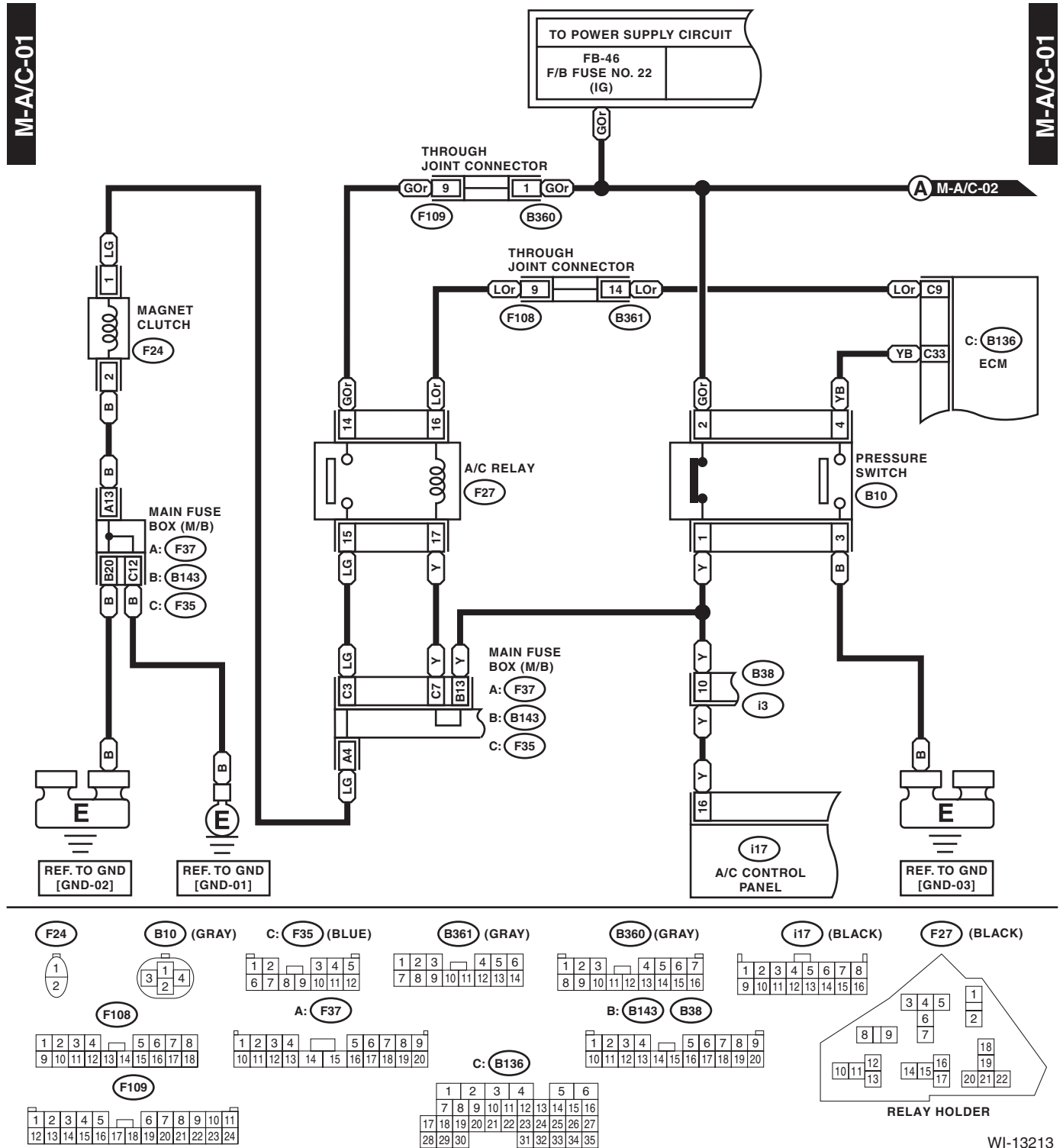
Air Conditioning System

WIRING SYSTEM

15. Air Conditioning System

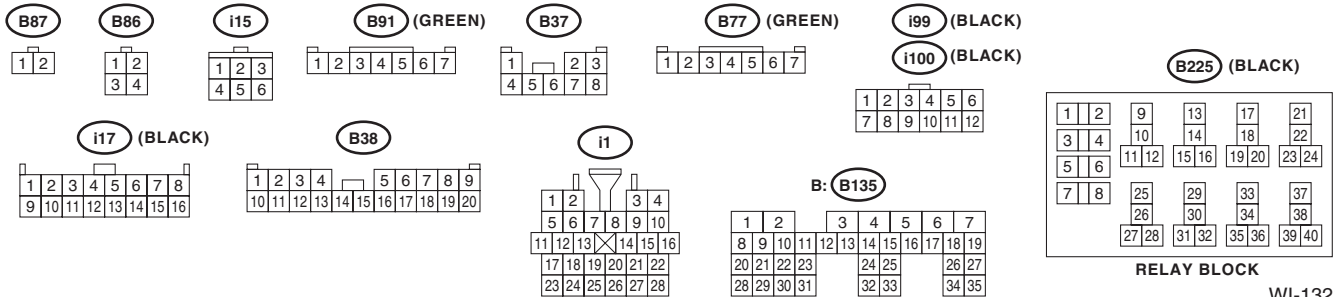
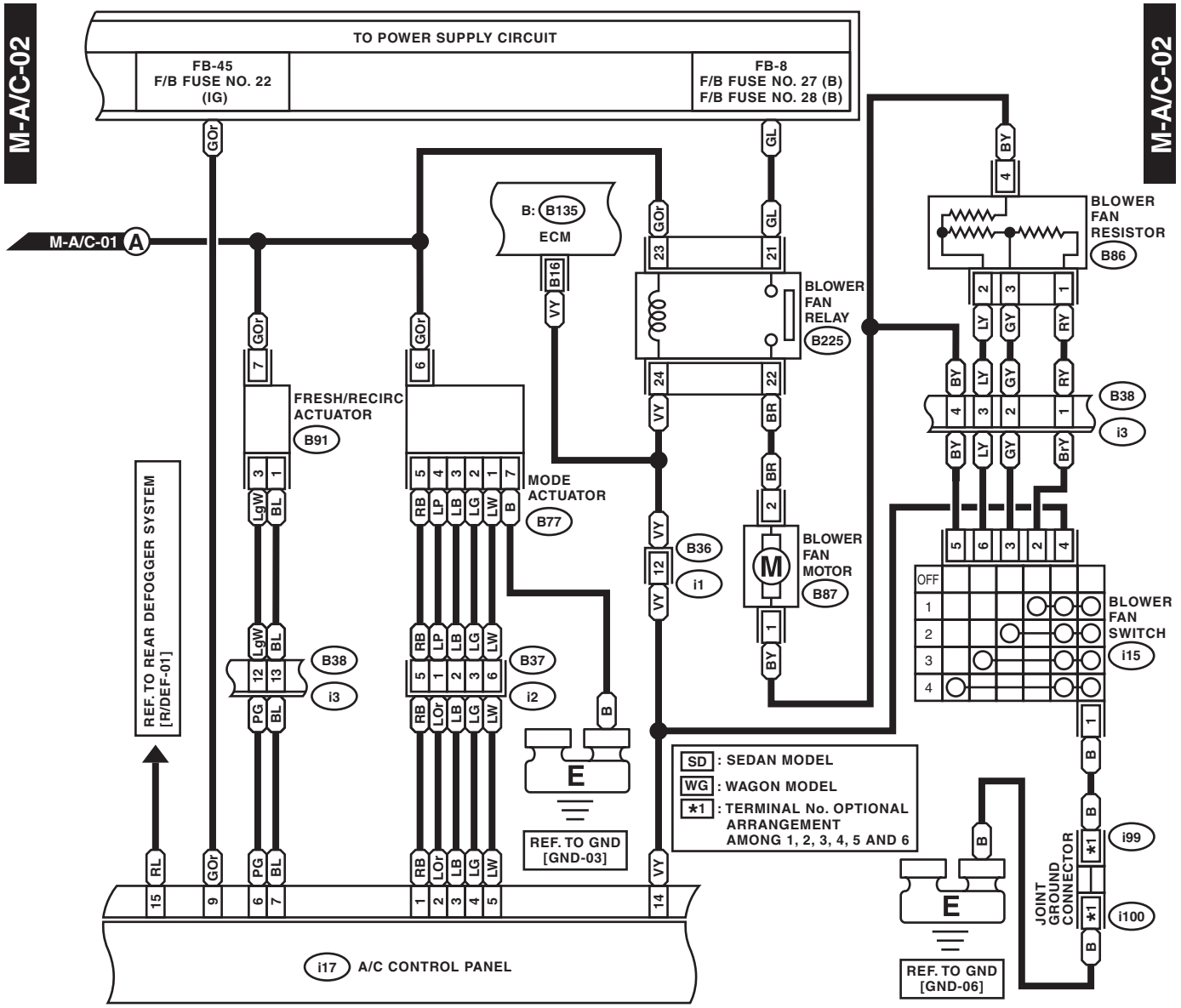
A: WIRING DIAGRAM

1. MANUAL A/C MODEL



Air Conditioning System

WIRING SYSTEM



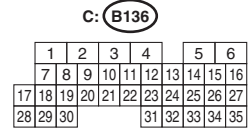
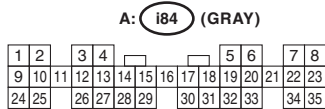
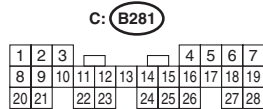
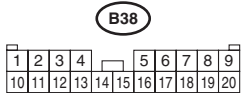
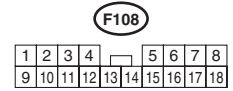
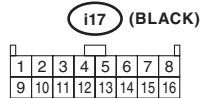
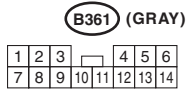
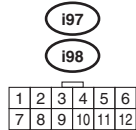
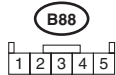
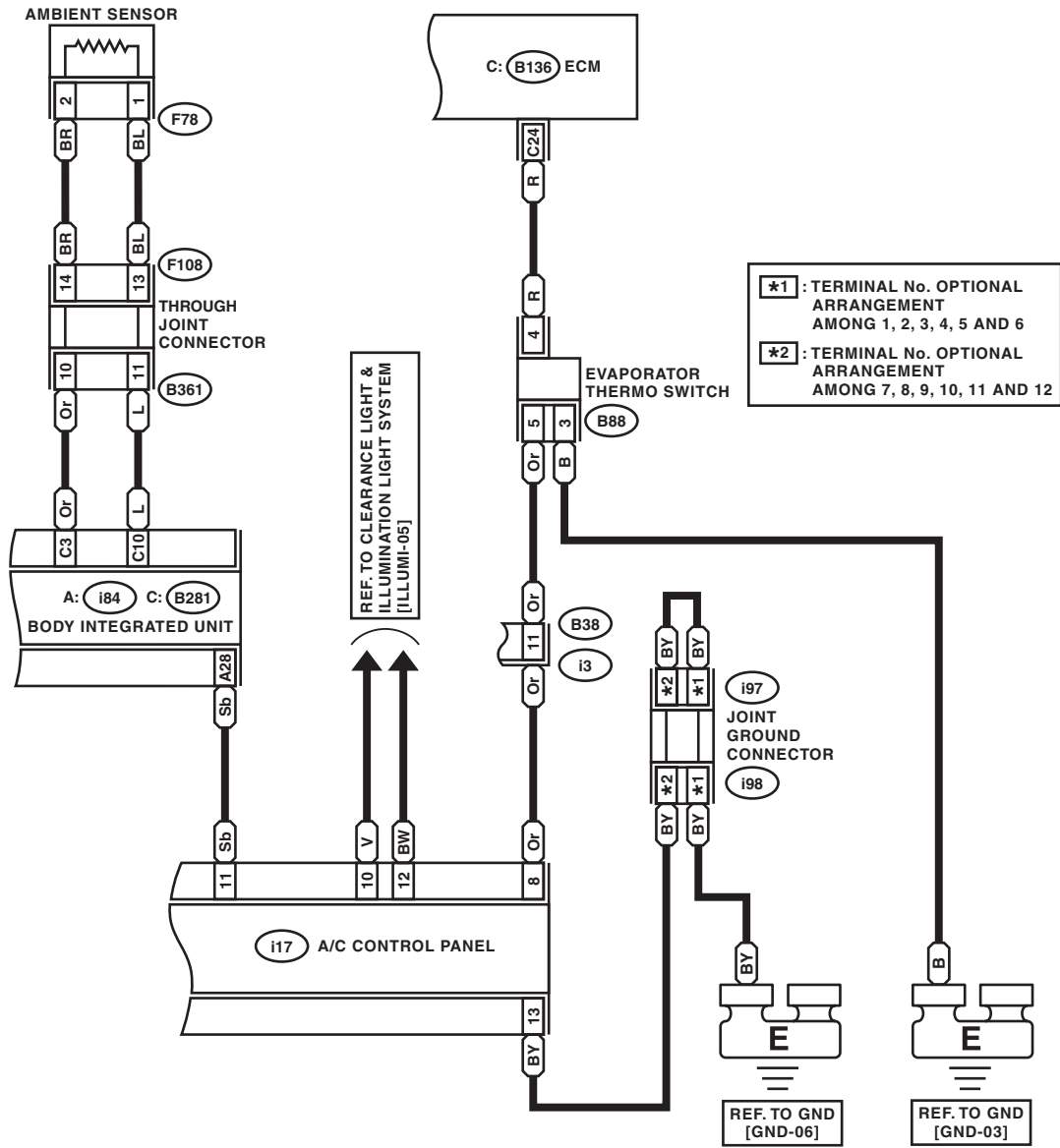
WI-13214

Air Conditioning System

WIRING SYSTEM

M-A/C-03

M-A/C-03

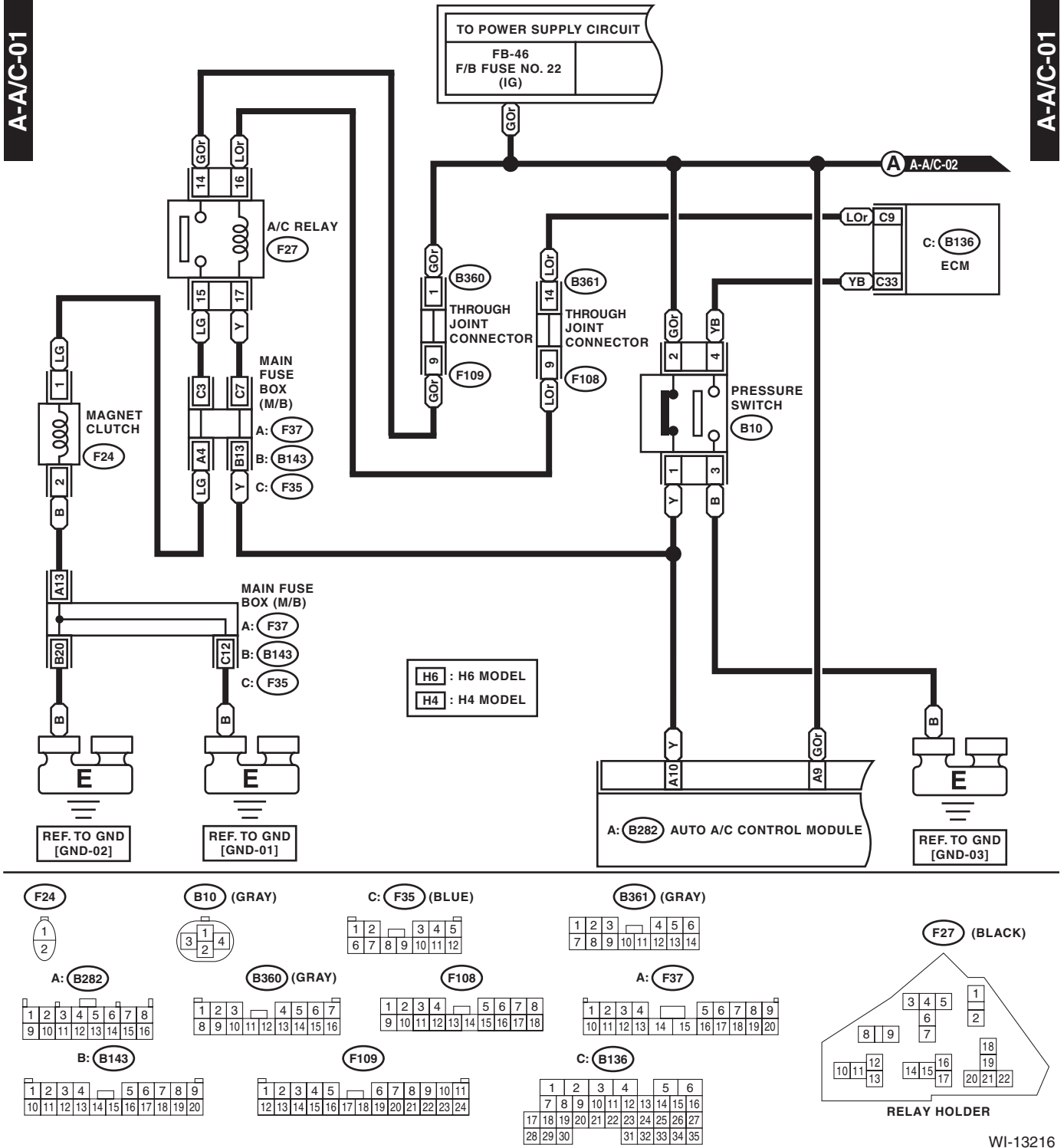


WI-13215

2. AUTO A/C MODEL

A-A/C-01

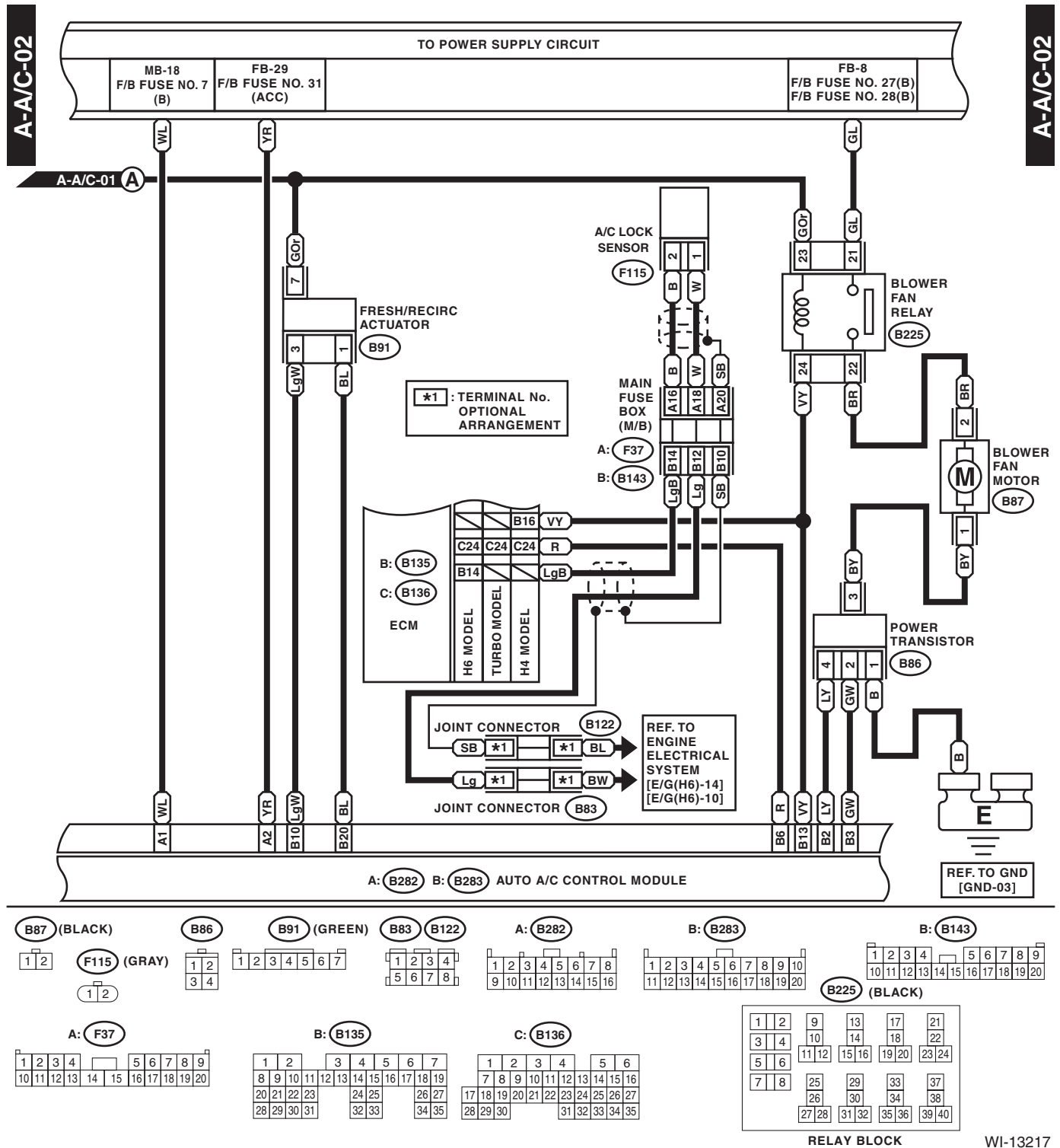
A-A/C-01



WI-13216

Air Conditioning System

WIRING SYSTEM

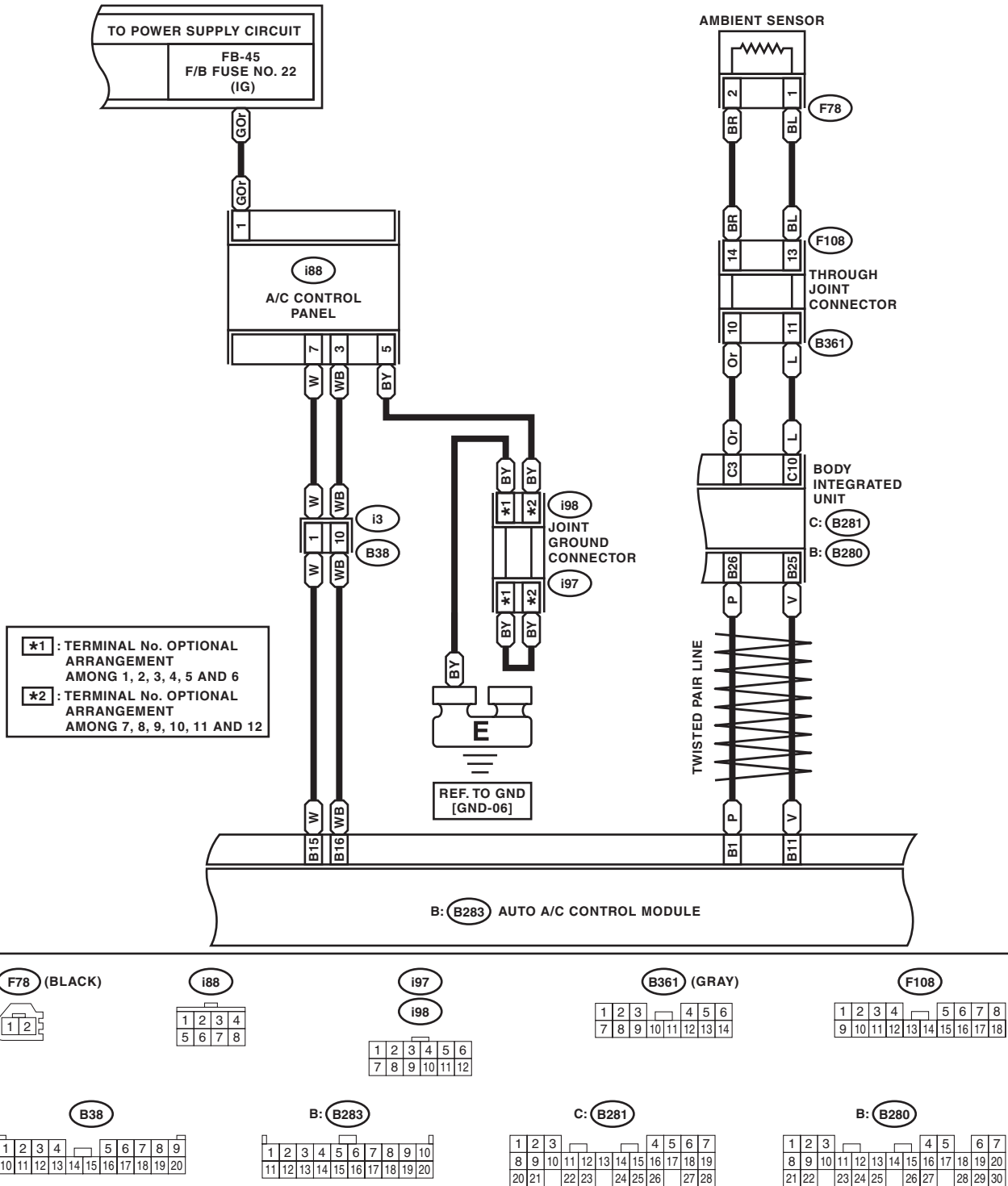


Air Conditioning System

WIRING SYSTEM

A-A/C-03

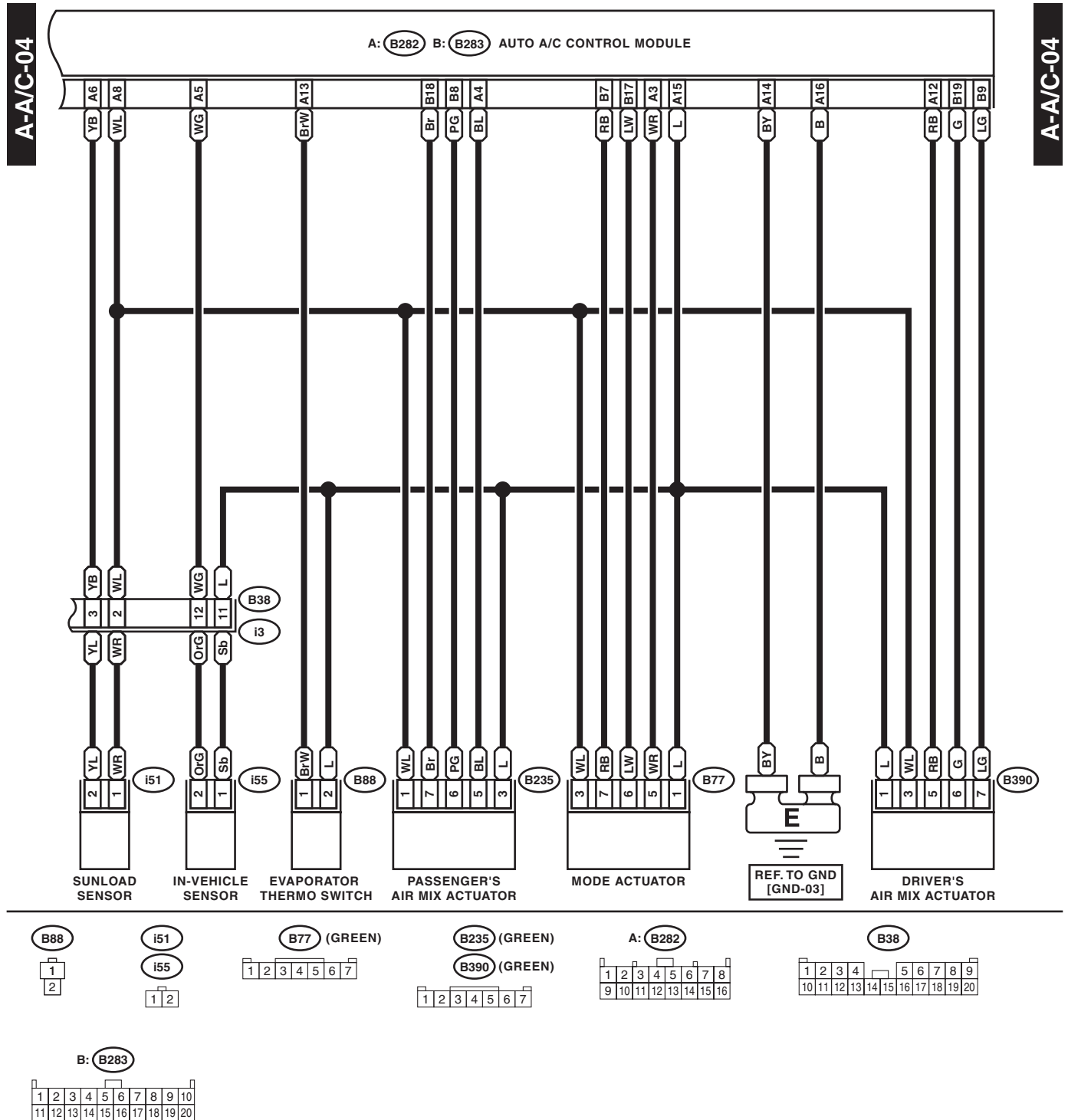
A-A/C-03



WI-13218

Air Conditioning System

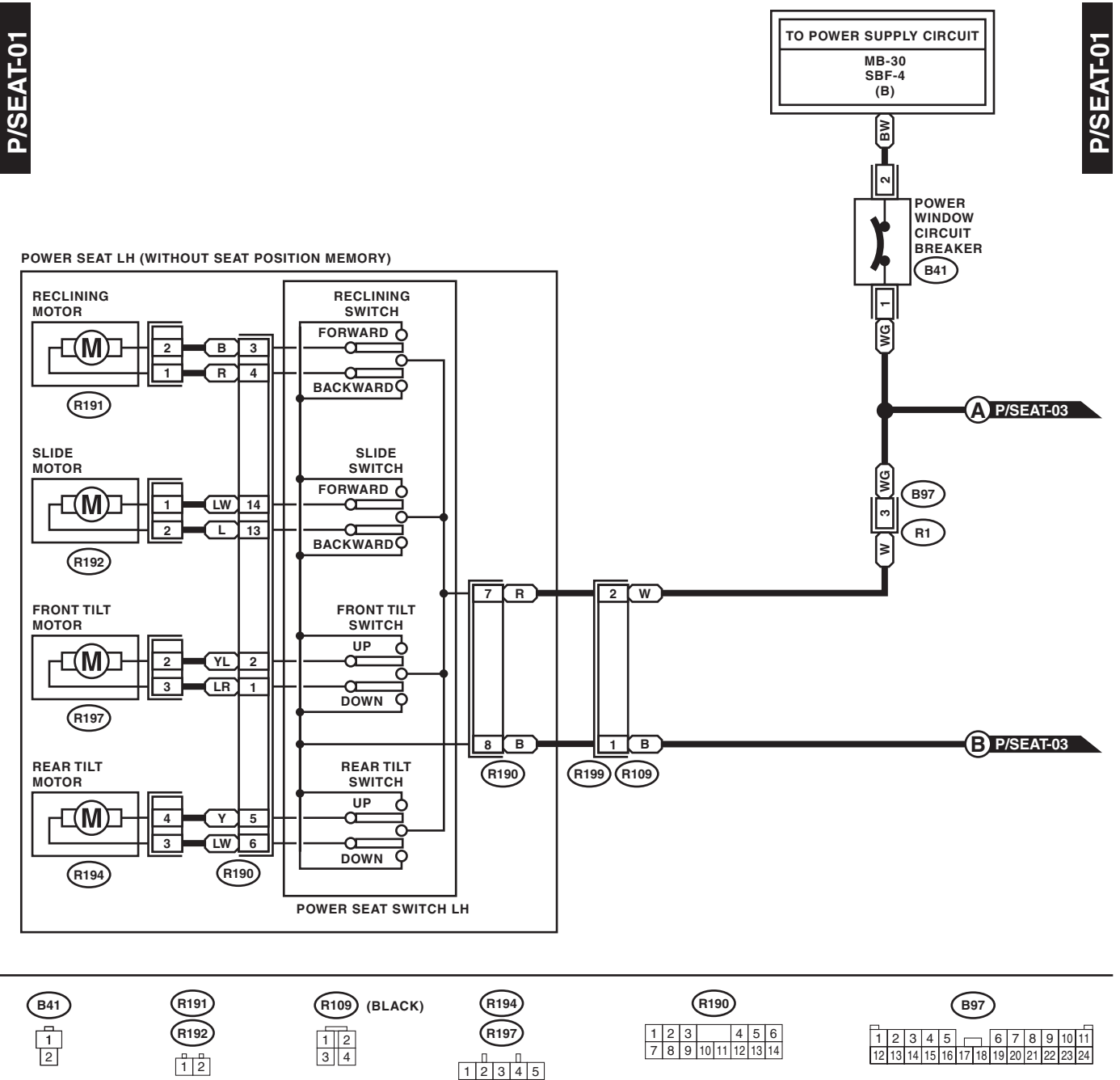
WIRING SYSTEM



WI-13219

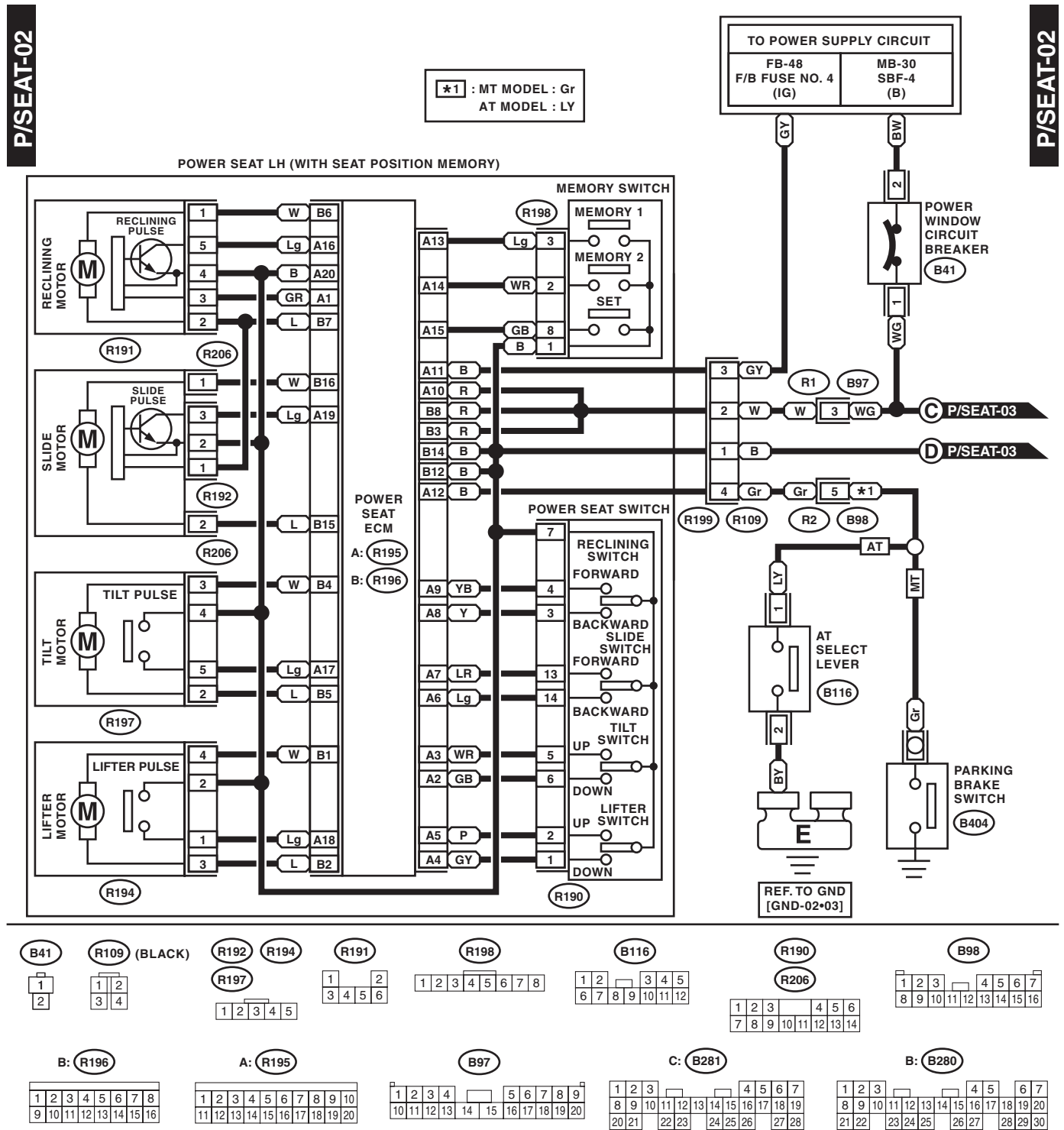
16. Power Seat System

A: WIRING DIAGRAM



Power Seat System

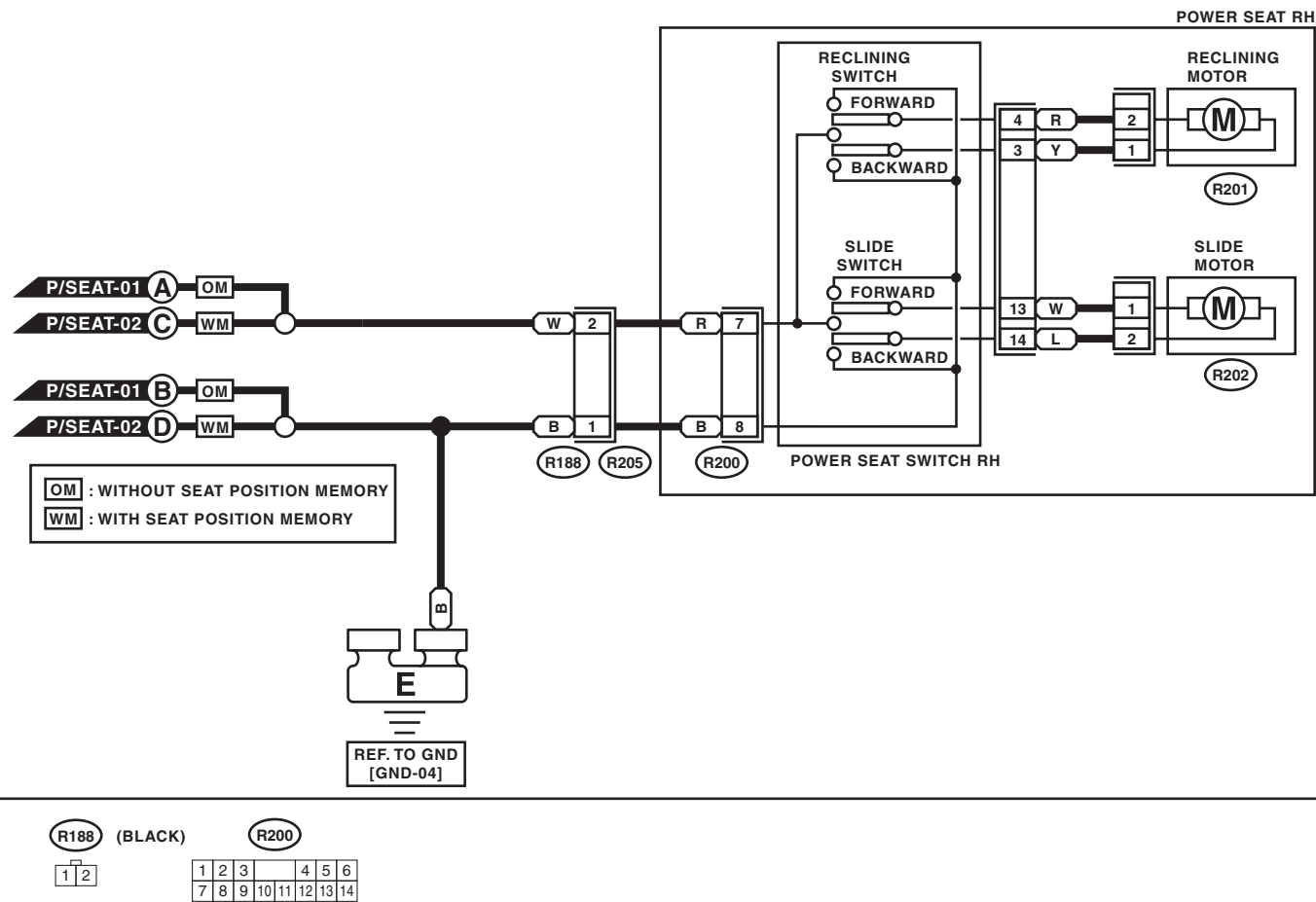
WIRING SYSTEM



WI-13225

P/SEAT-03

P/SEAT-03

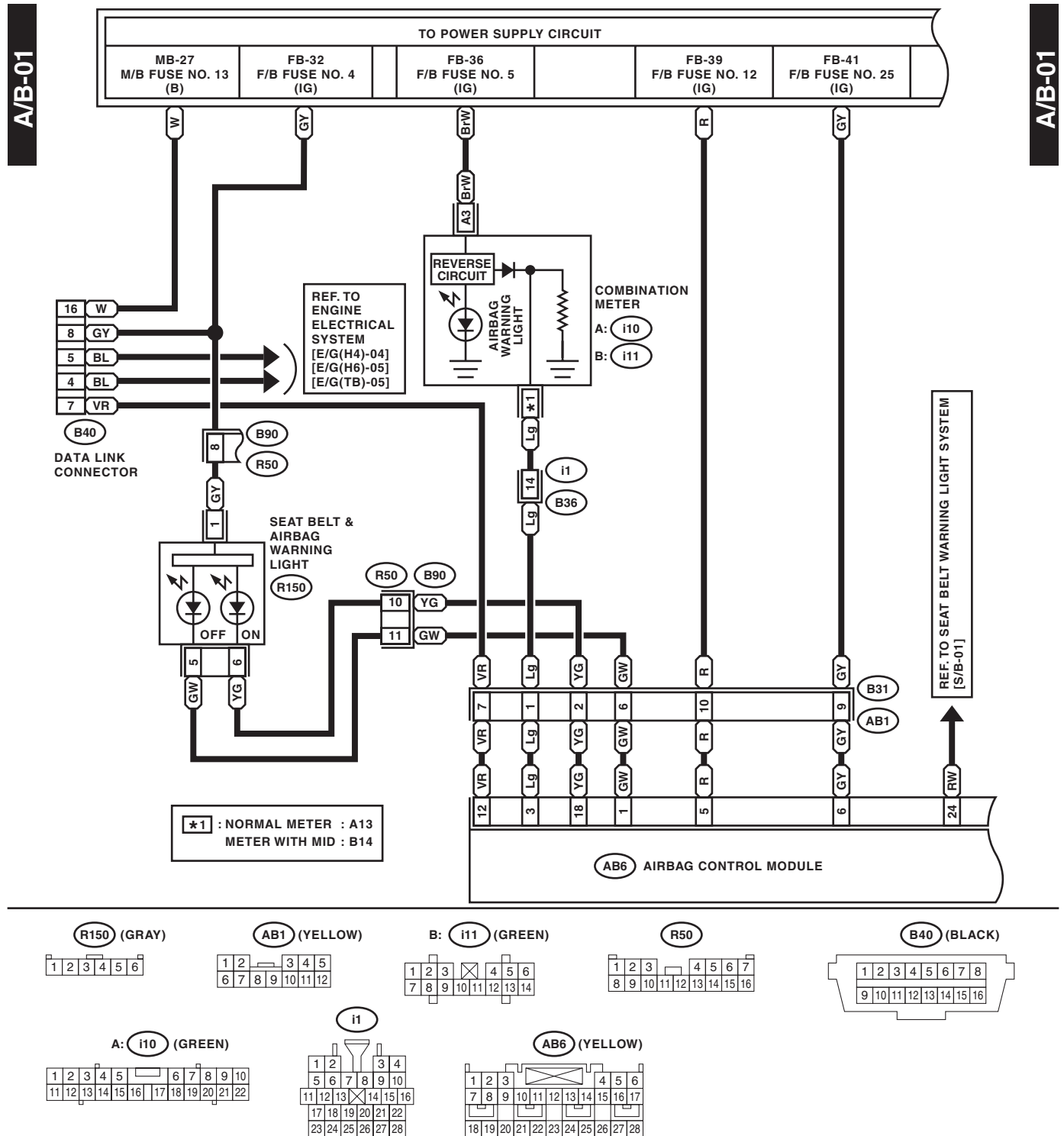


Airbag System

WIRING SYSTEM

17. Airbag System

A: WIRING DIAGRAM

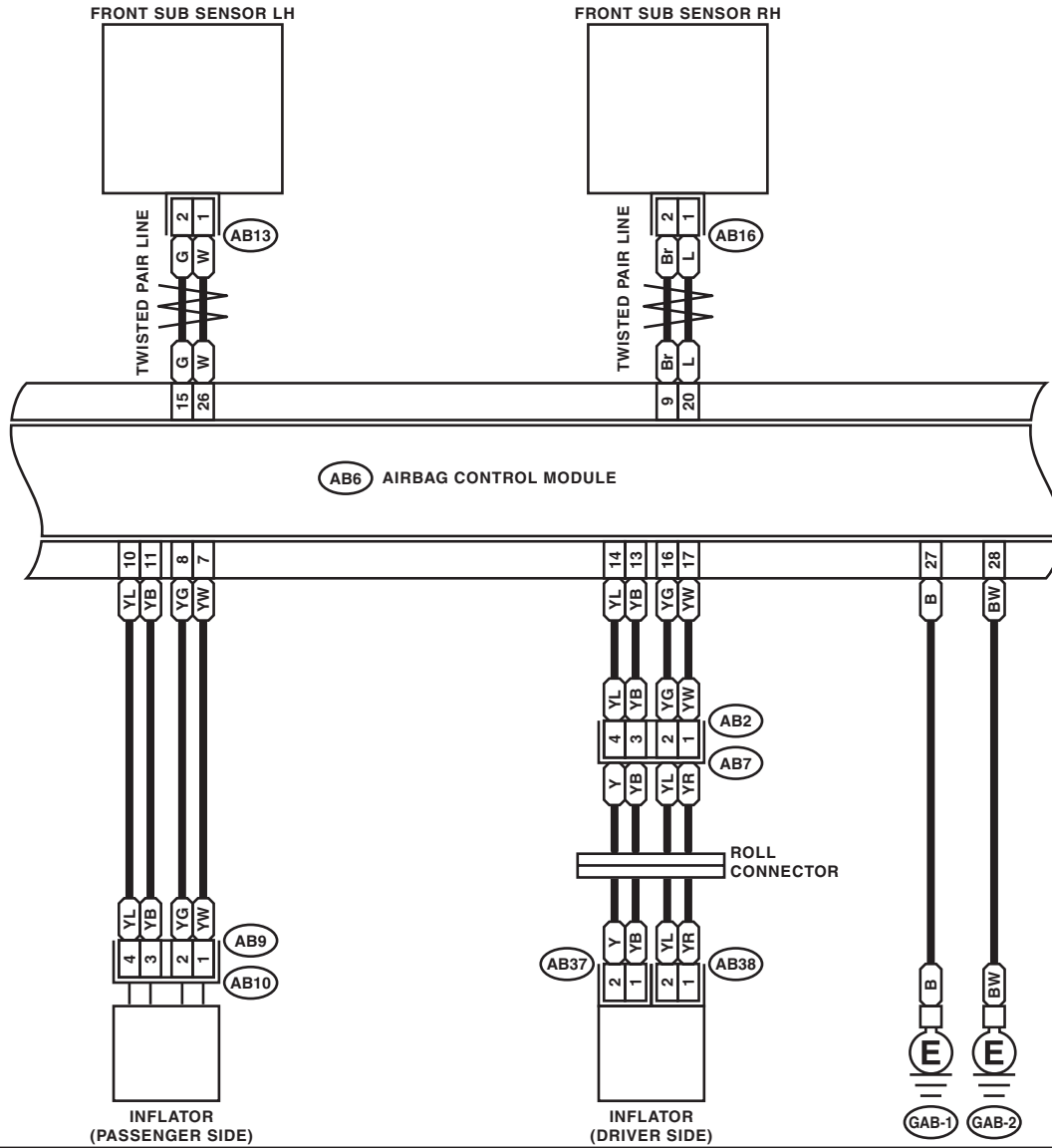


Airbag System

WIRING SYSTEM

A/B-02

A/B-02



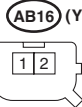
AB37 (ORANGE)



AB38 (BLACK)



AB13 (YELLOW)



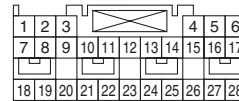
AB16 (YELLOW)

AB2 (YELLOW)



AB9 (YELLOW)

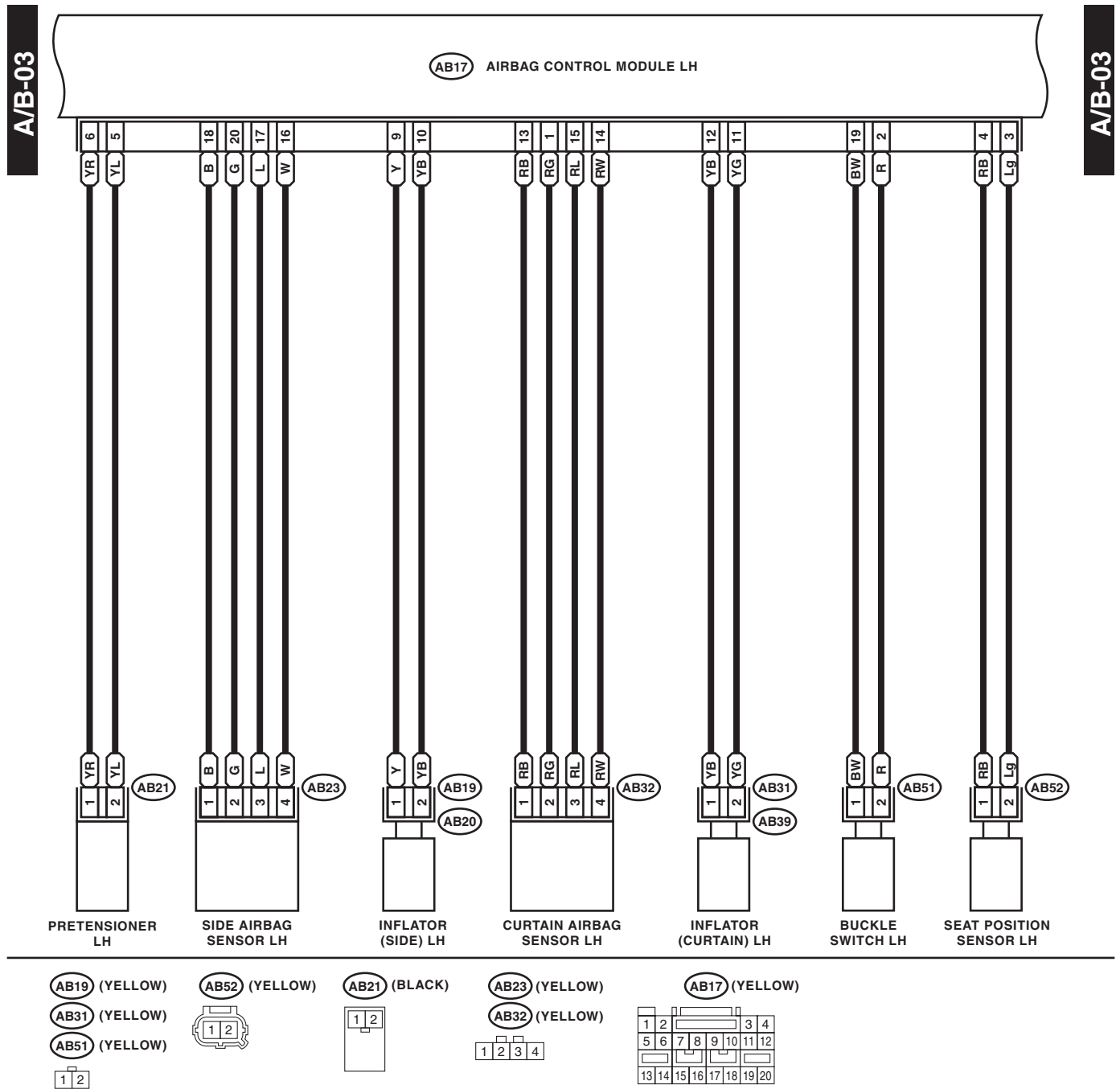
AB6 (YELLOW)



WI-13221

Airbag System

WIRING SYSTEM



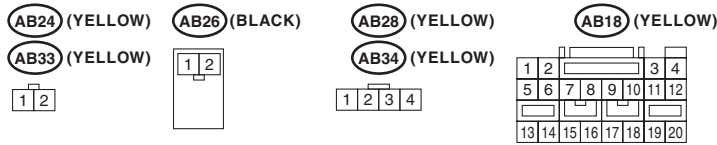
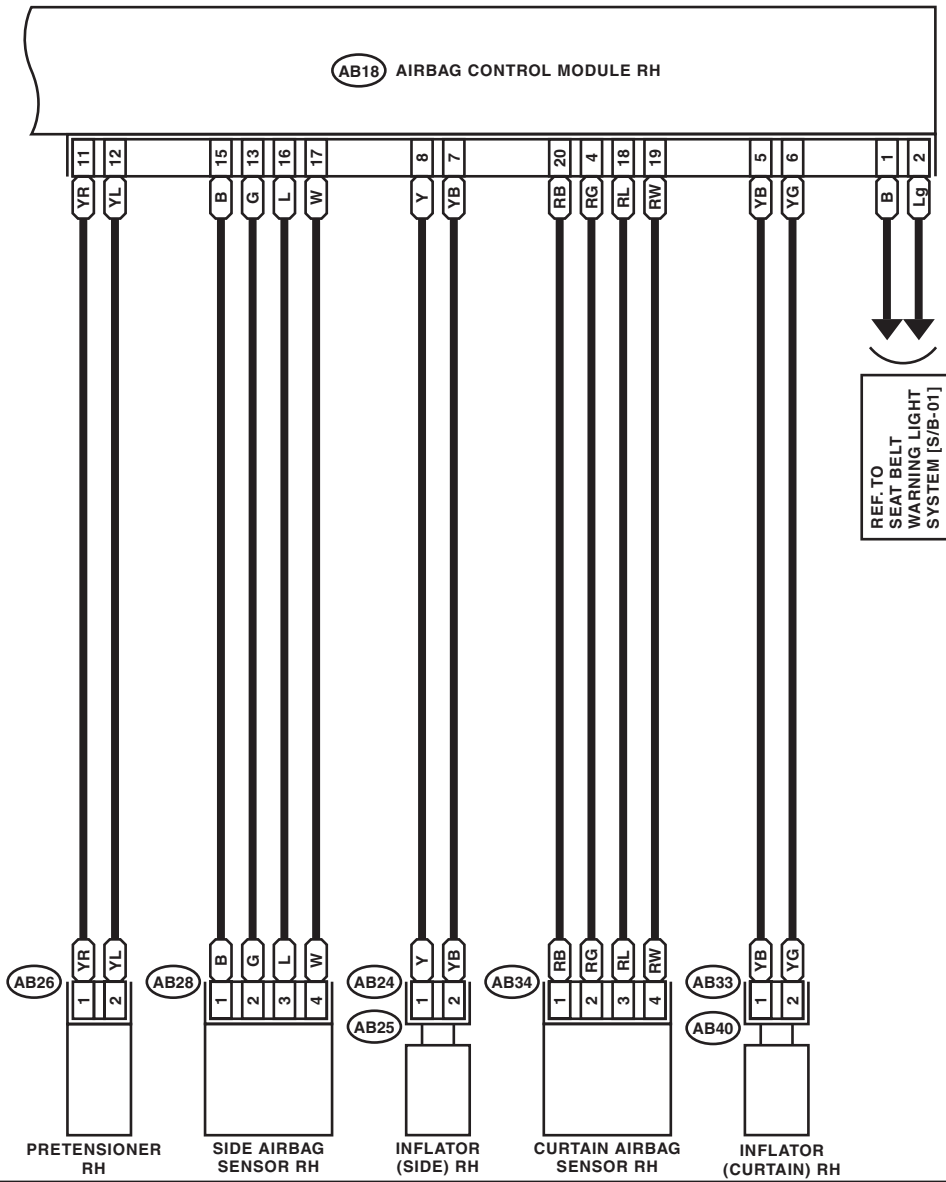
WI-13222

Airbag System

WIRING SYSTEM

A/B-04

A/B-04



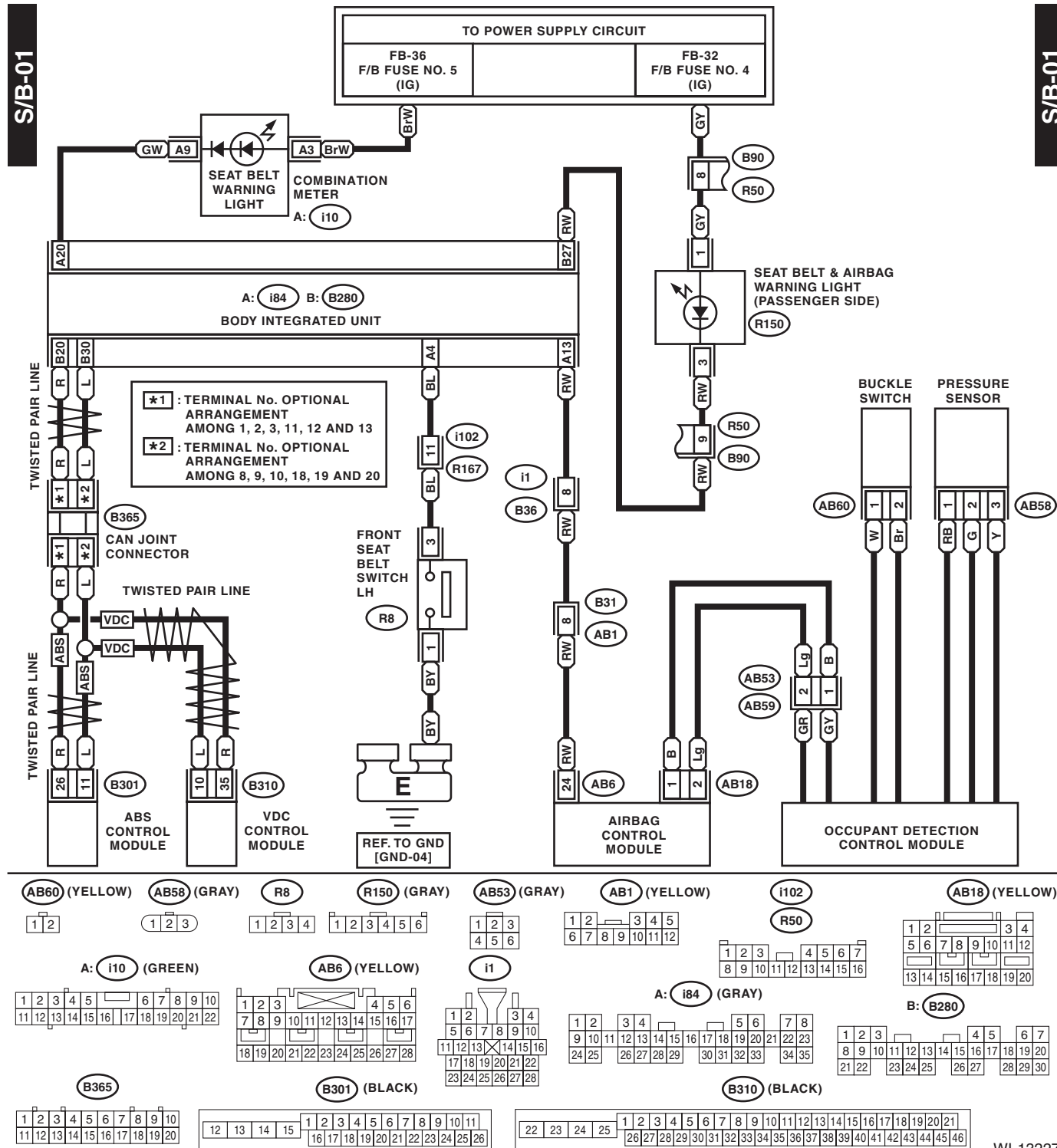
WI-13223

Seat Belt Warning System

WIRING SYSTEM

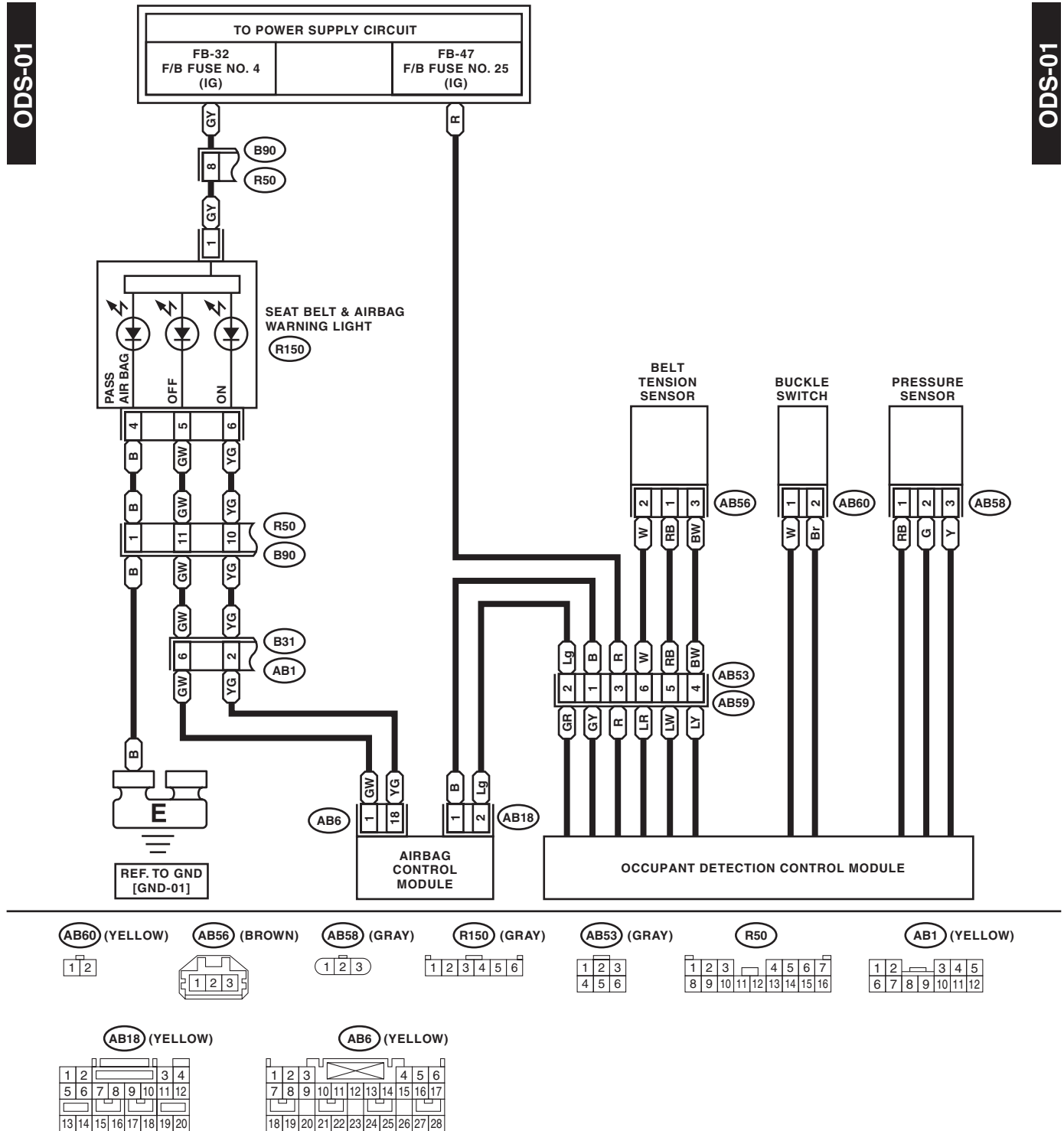
18. Seat Belt Warning System

A: WIRING DIAGRAM



19. Occupant Detection System

A: WIRING DIAGRAM



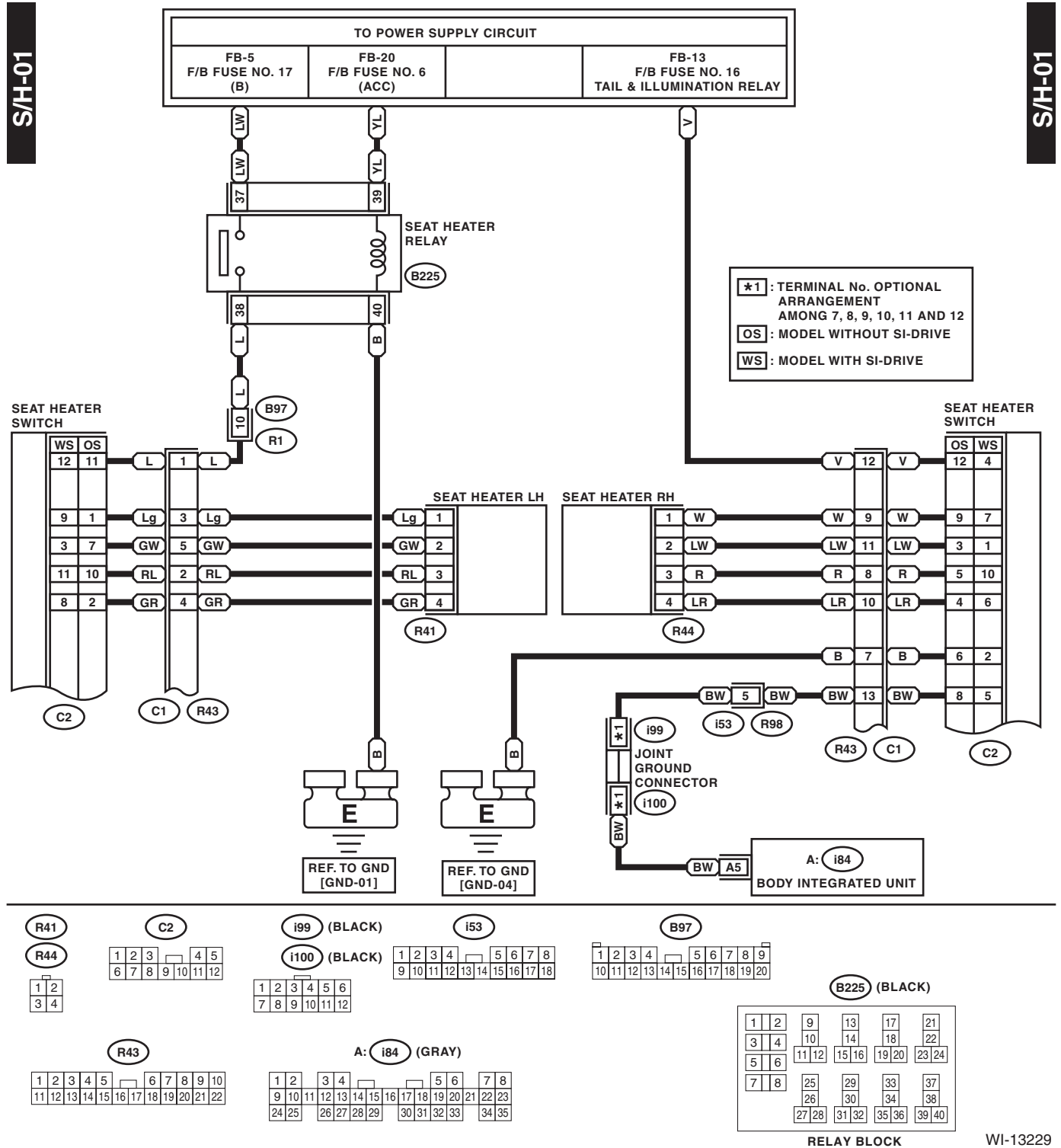
WI-13228

Seat Heater System

WIRING SYSTEM

20.Seat Heater System

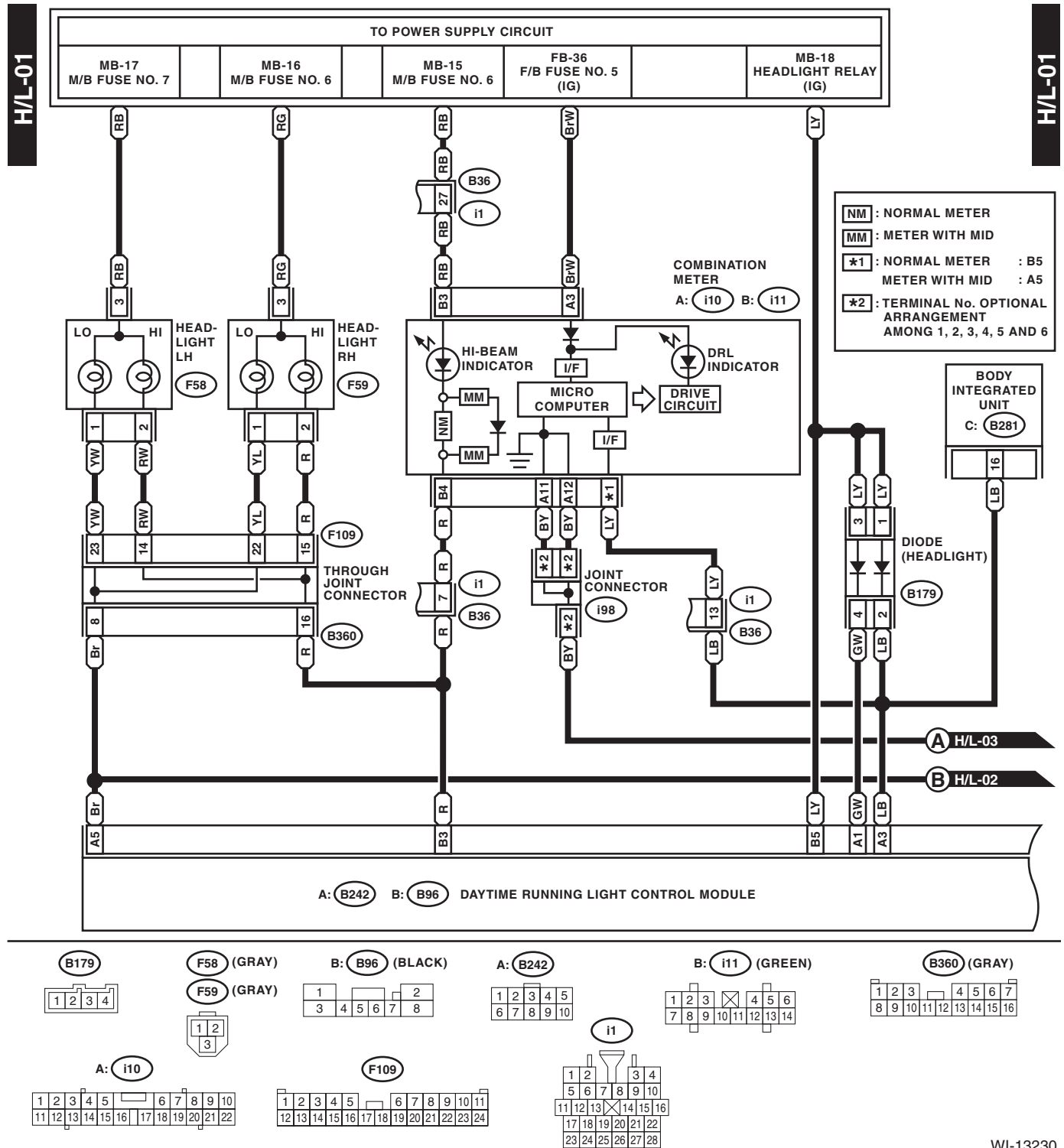
A: WIRING DIAGRAM



WI-13229

21.Headlight System

A: WIRING DIAGRAM



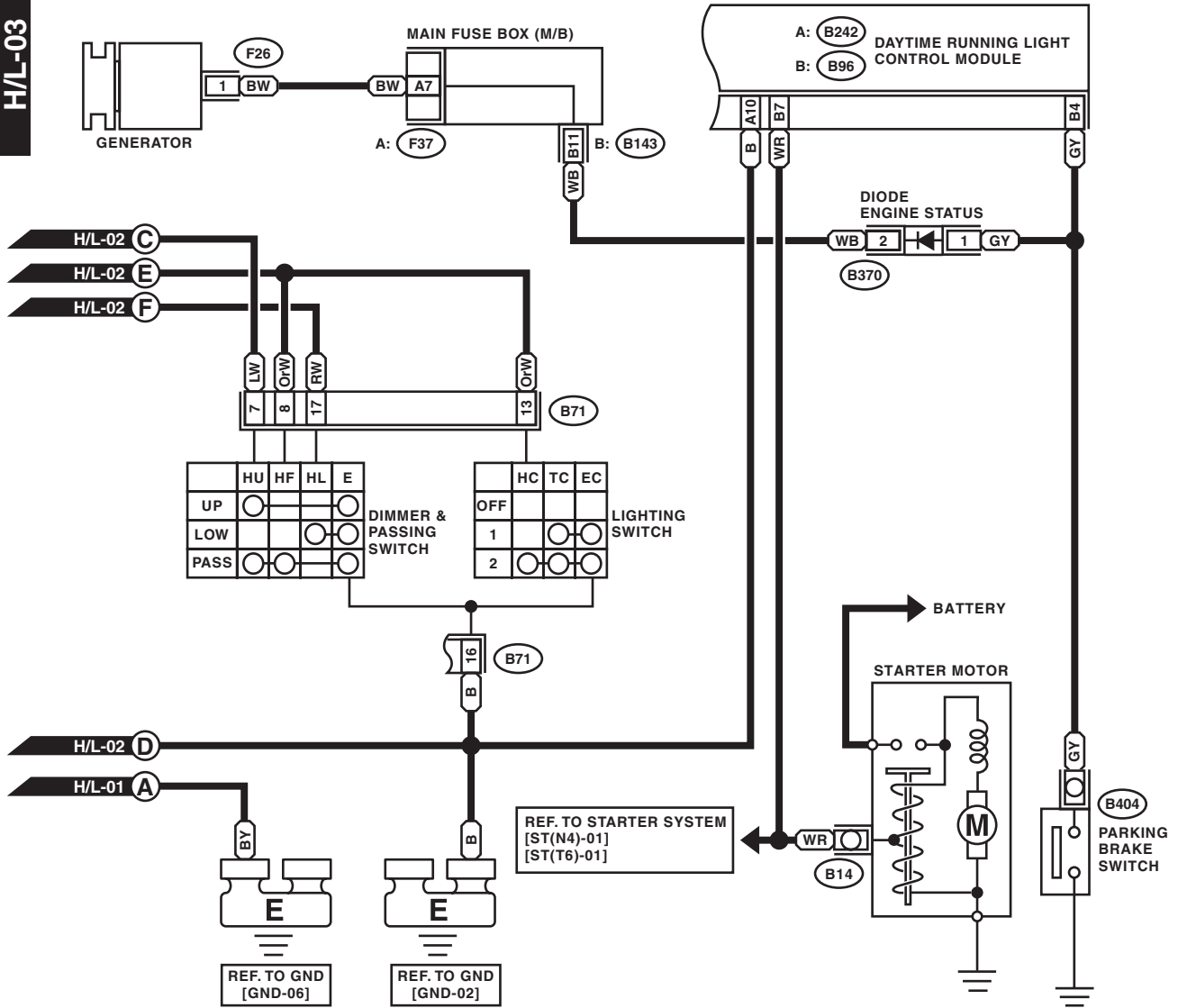
WI-13230

Headlight System

WIRING SYSTEM

H/L-03

H/L-03



B370 (BLACK)

1	2
---	---

F26

1	2	3
---	---	---

B: B96 (BLACK)

1	2	3	4	5	6	7	8
---	---	---	---	---	---	---	---

A: B242

1	2	3	4	5
6	7	8	9	10

B71

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

B: B143

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

A: F37

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

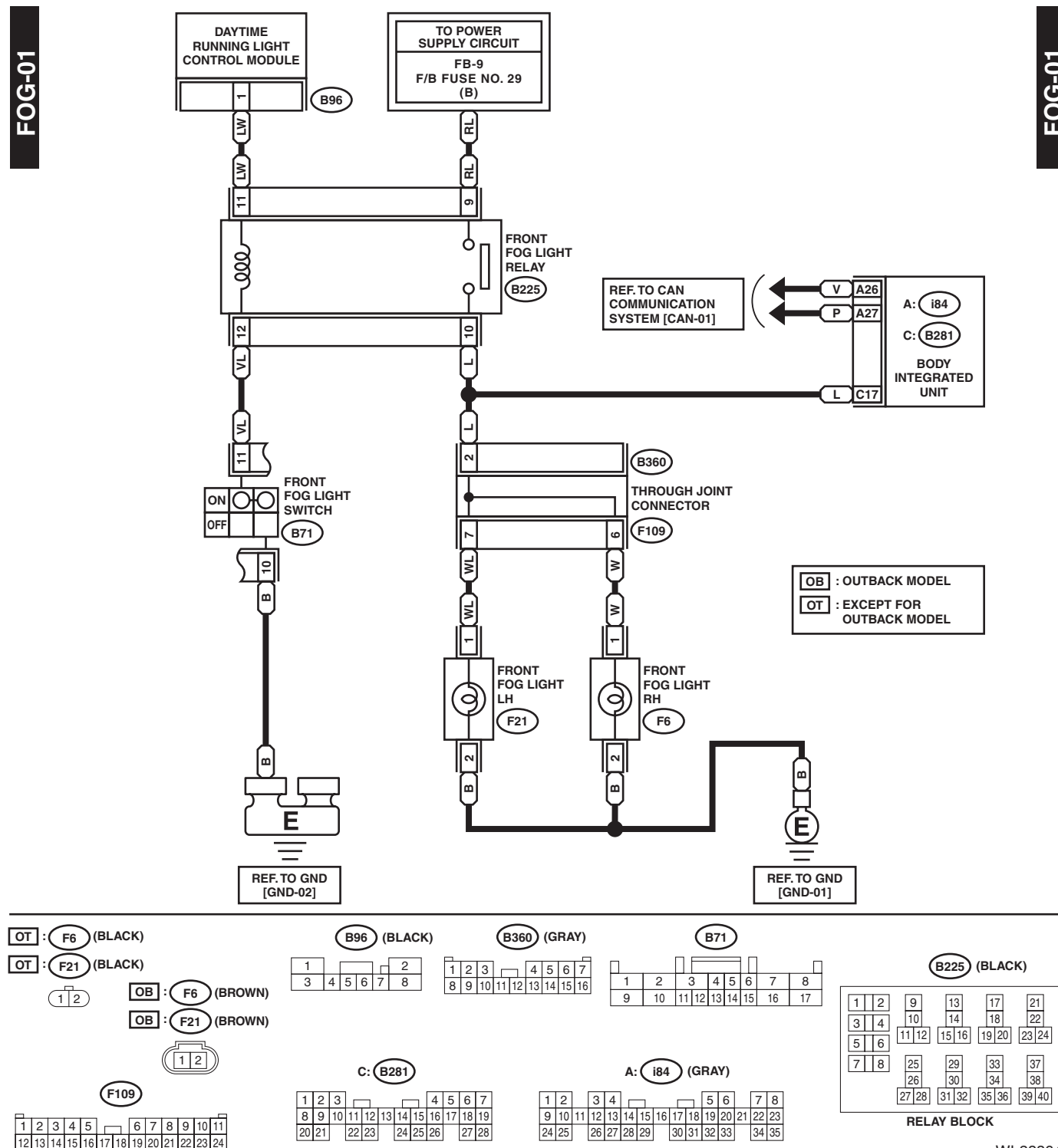
WI-13232

Front Fog Light System

WIRING SYSTEM

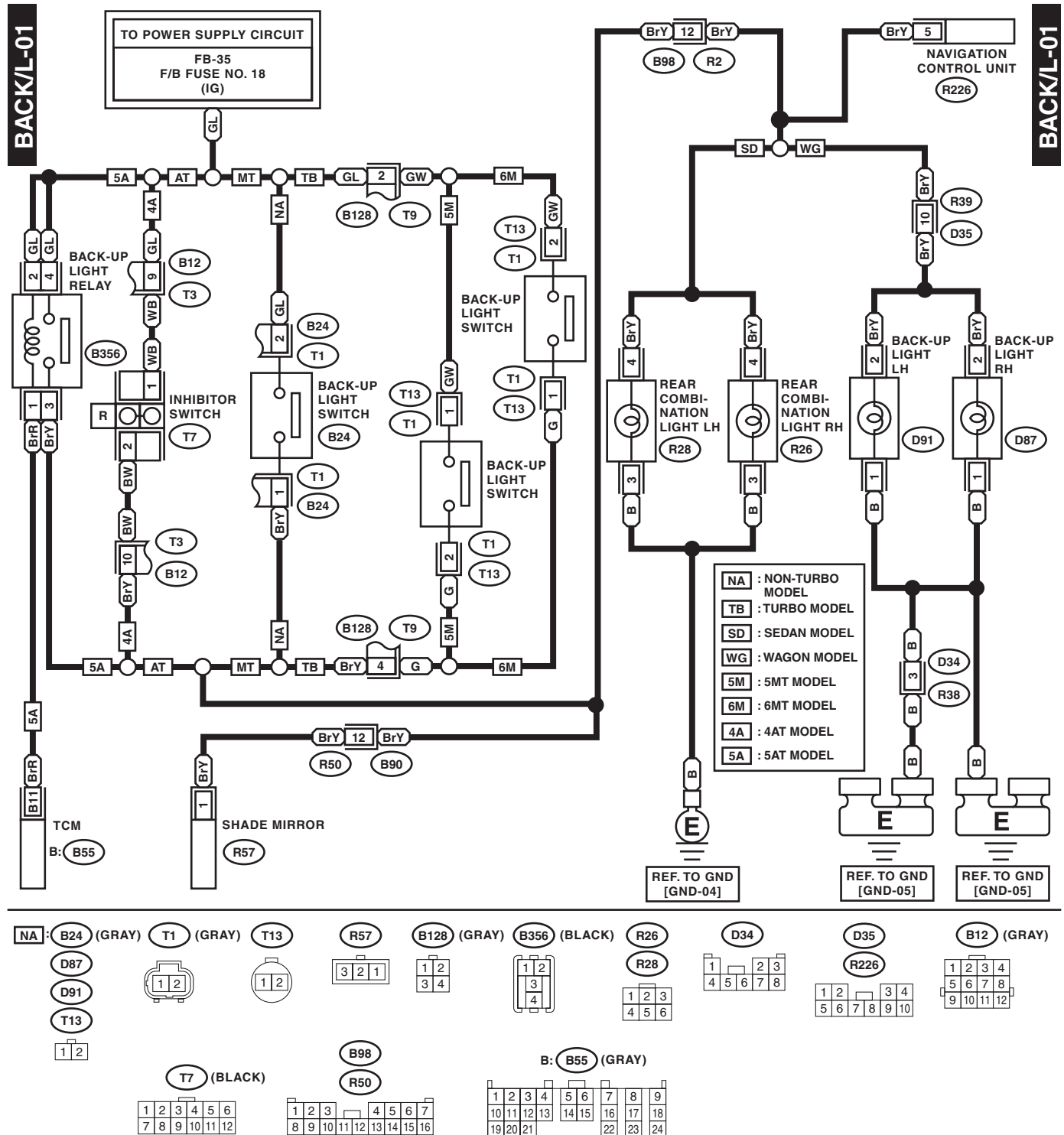
22.Front Fog Light System

A: WIRING DIAGRAM



23.Back-up Light System

A: WIRING DIAGRAM

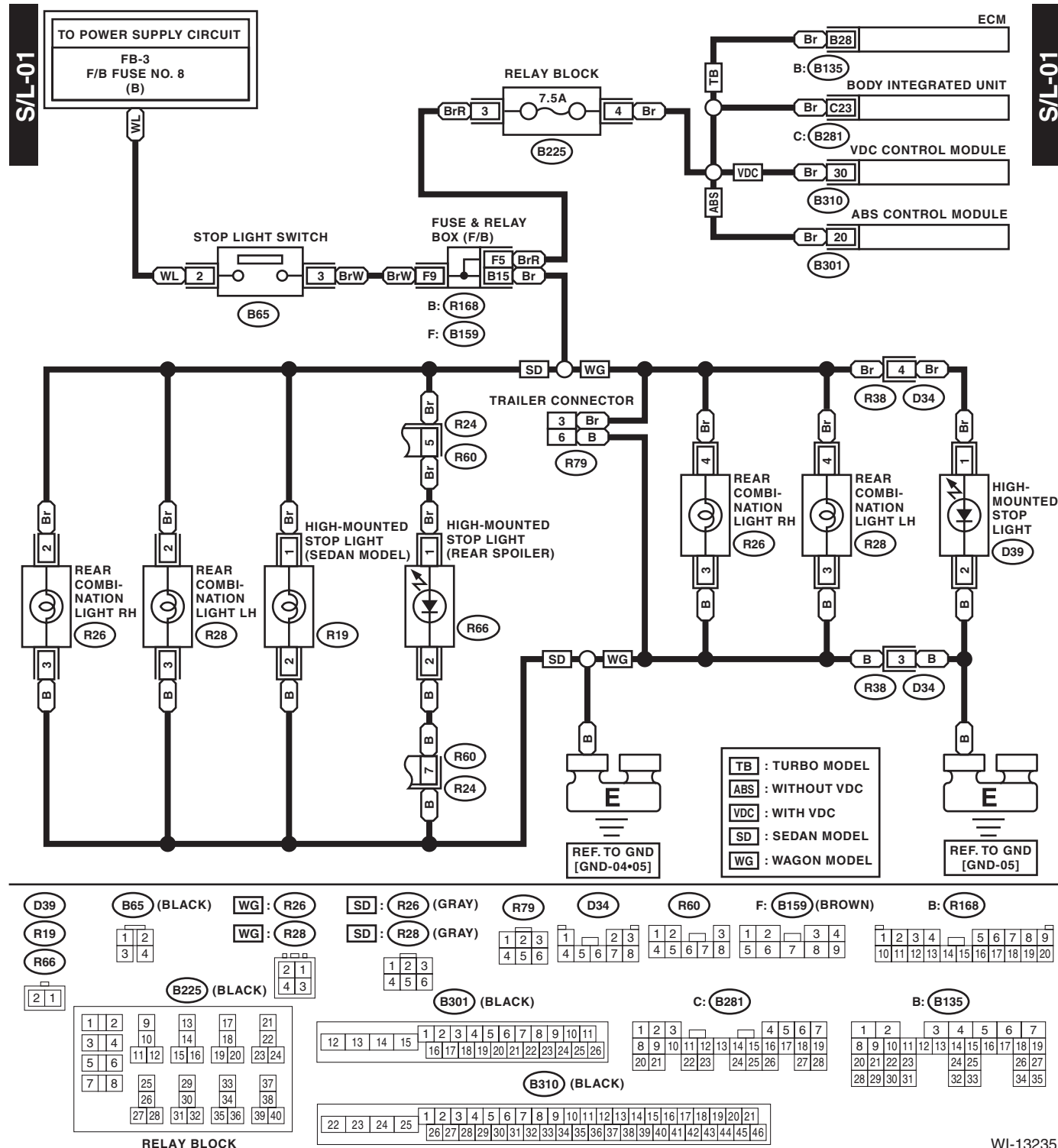


WI-13234

WIRING SYSTEM

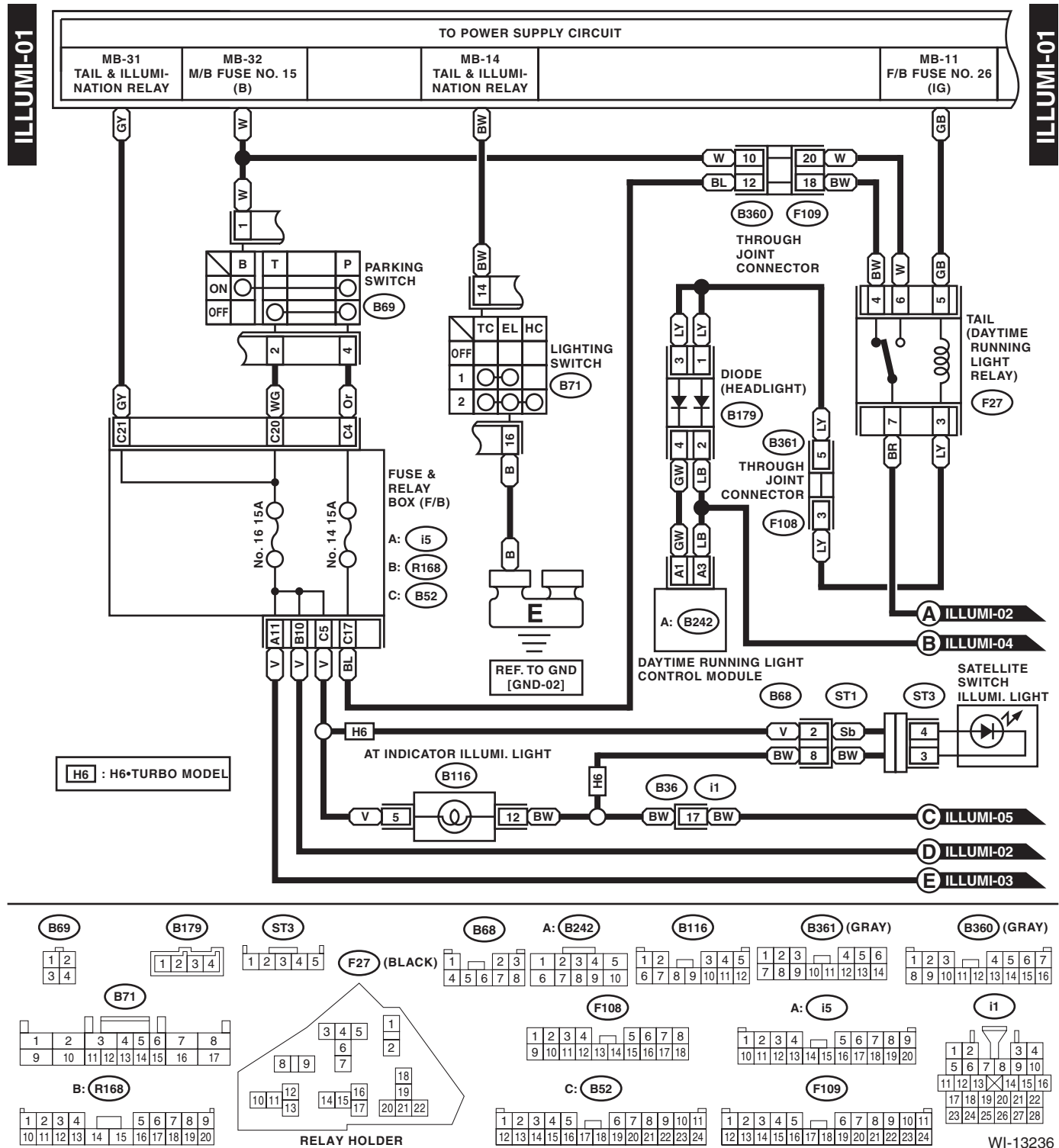
24. Stop Light System

A: WIRING DIAGRAM



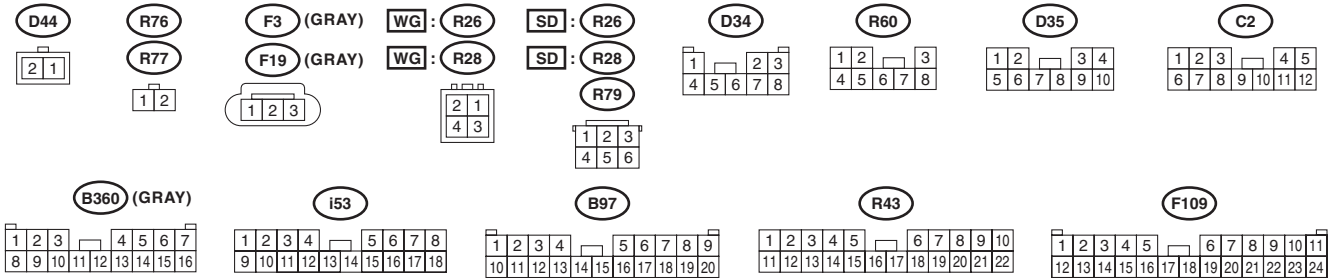
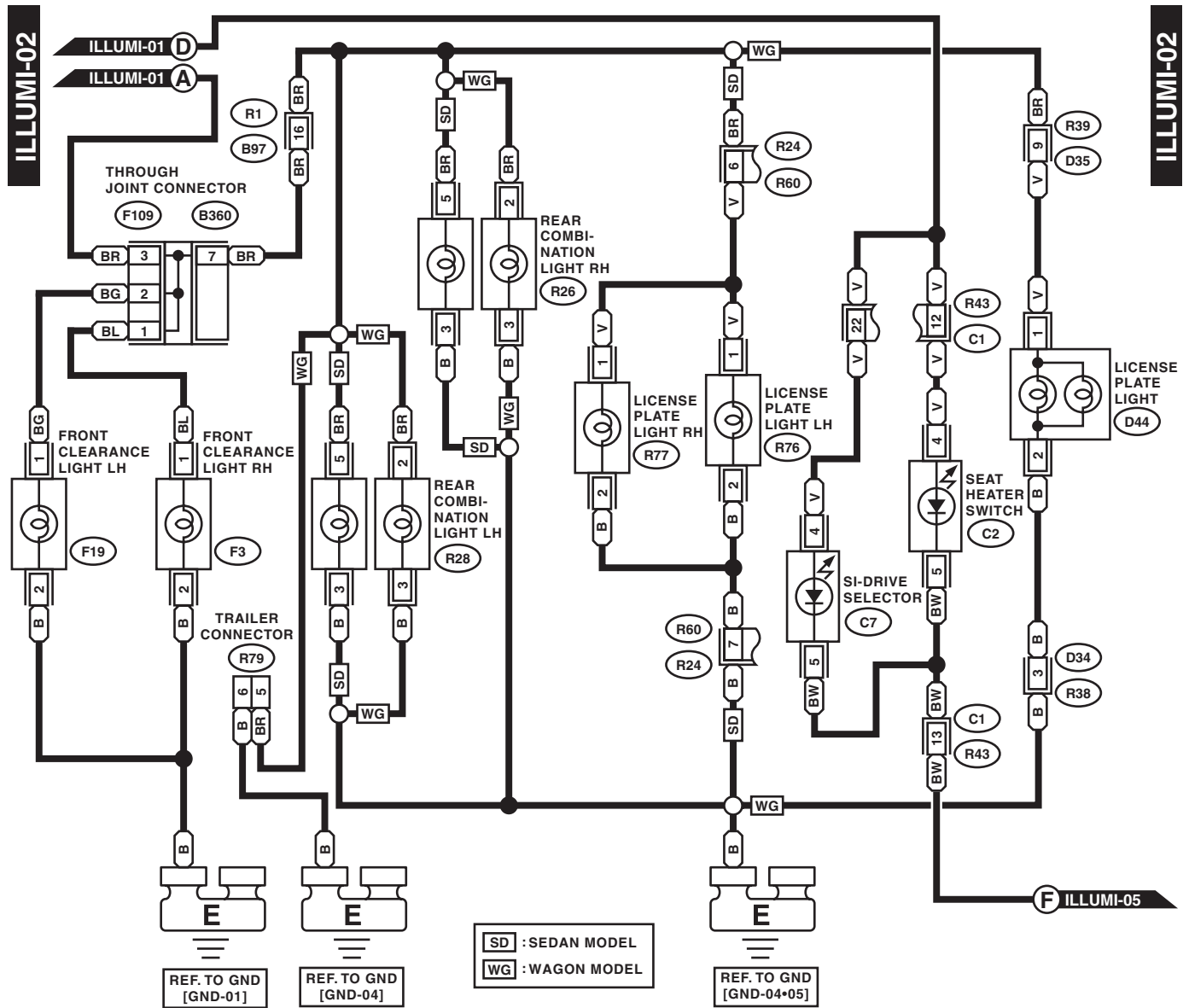
25. Clearance Light and Illumination Light System

A: WIRING DIAGRAM



Clearance Light and Illumination Light System

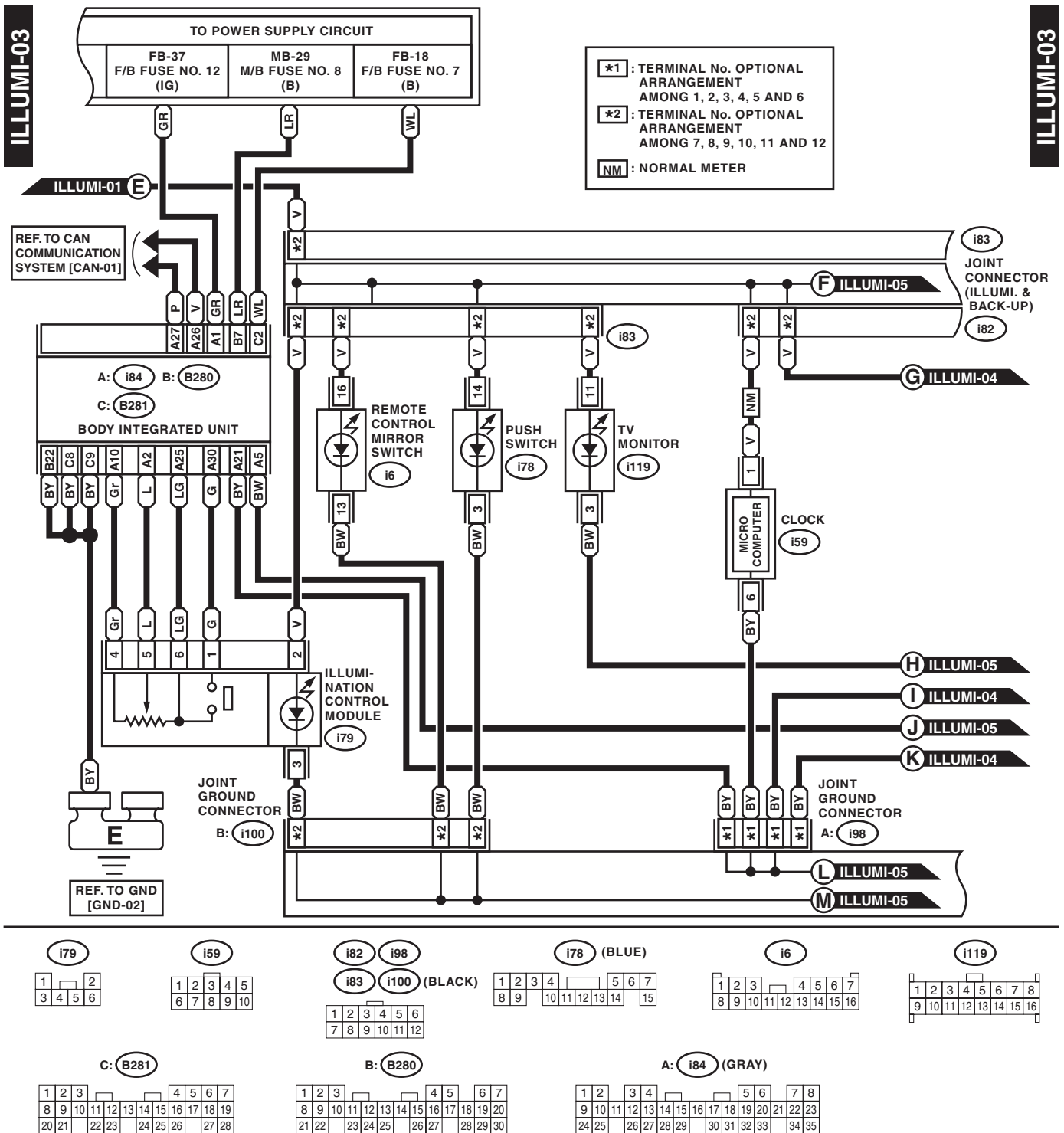
WIRING SYSTEM



WI-13237

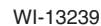
Clearance Light and Illumination Light System

WIRING SYSTEM



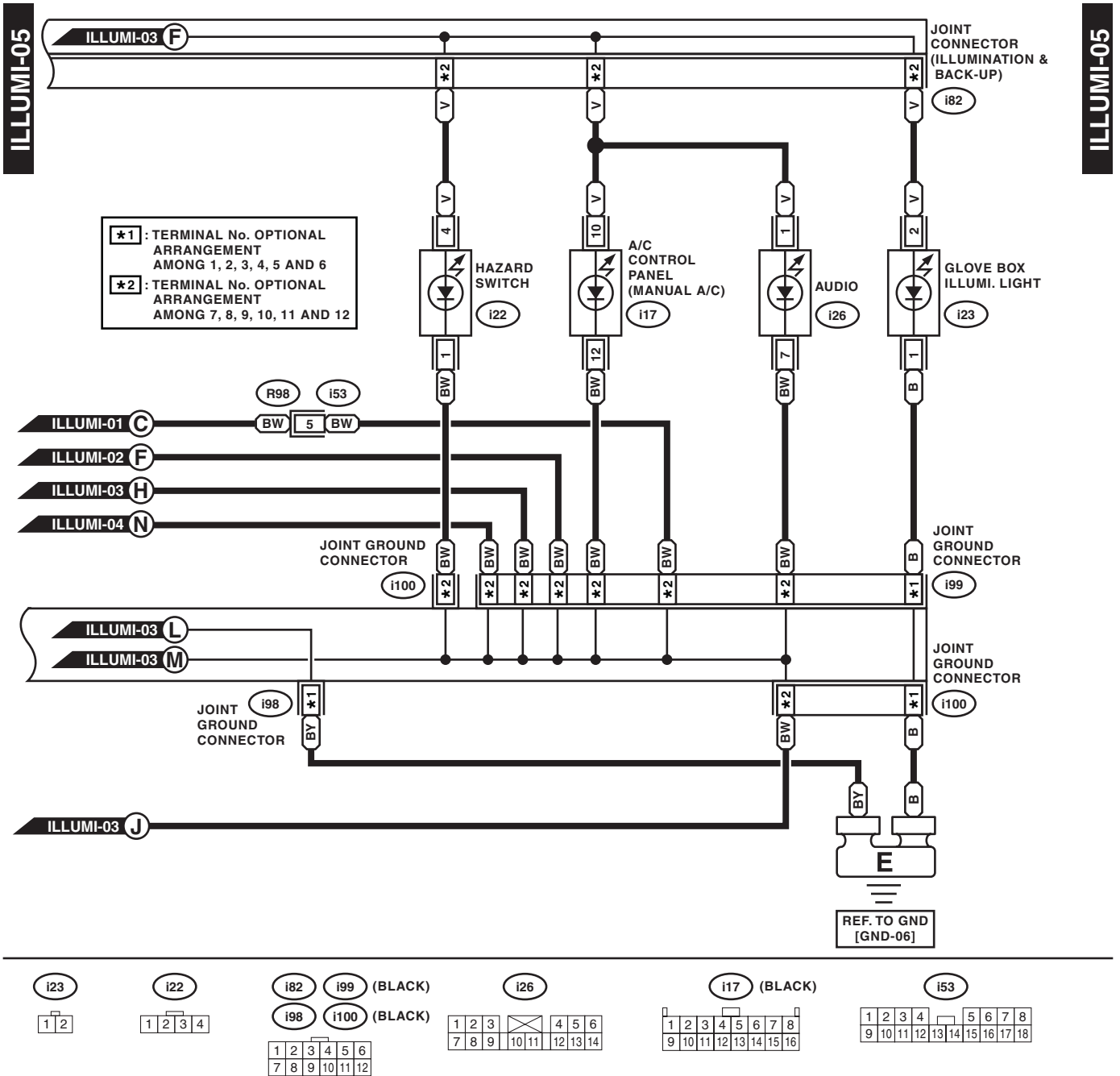
WI-13238

WIRING SYSTEM



Clearance Light and Illumination Light System

WIRING SYSTEM



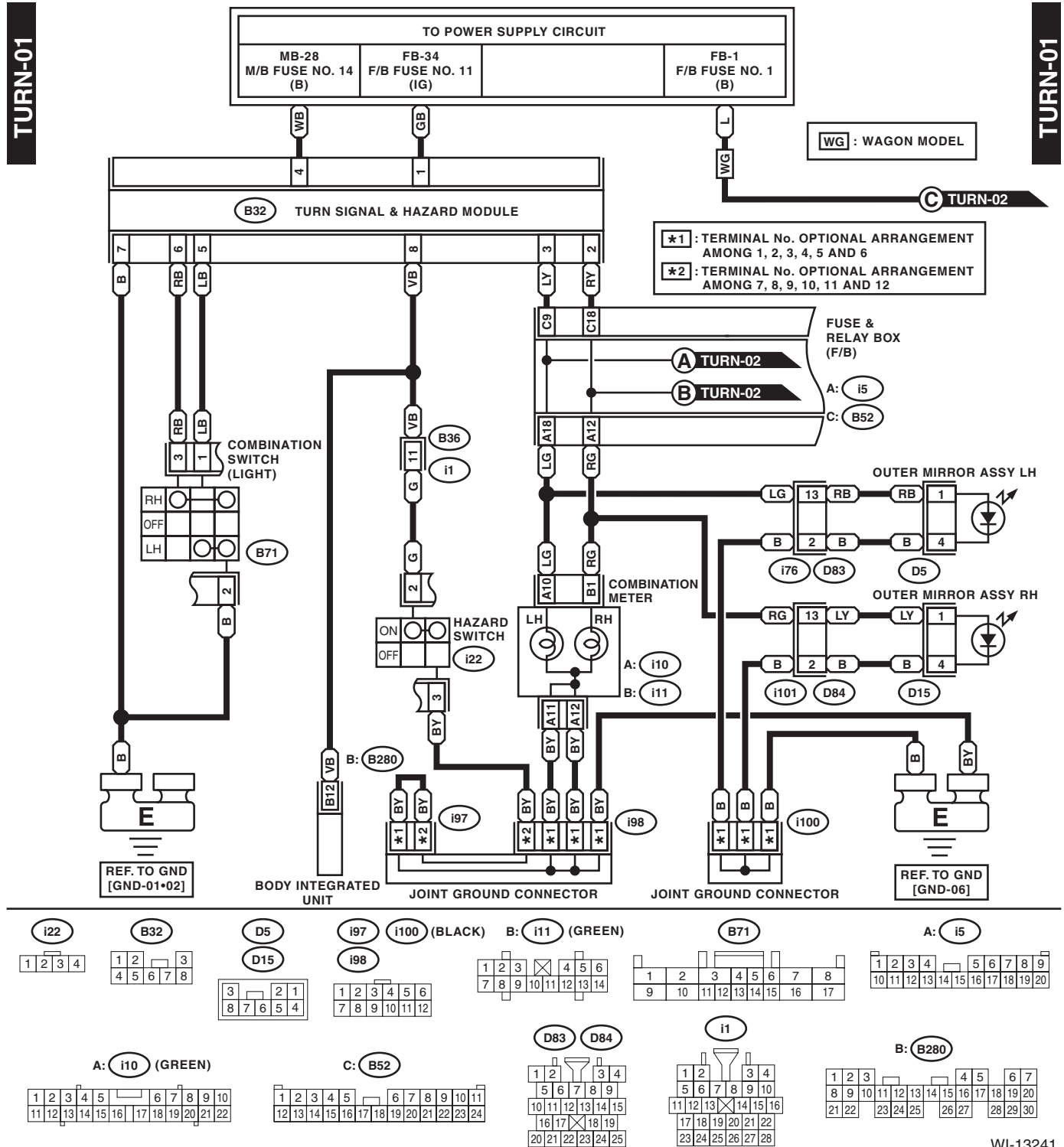
WI-13240

Turn Signal Light and Hazard Light System

WIRING SYSTEM

26. Turn Signal Light and Hazard Light System

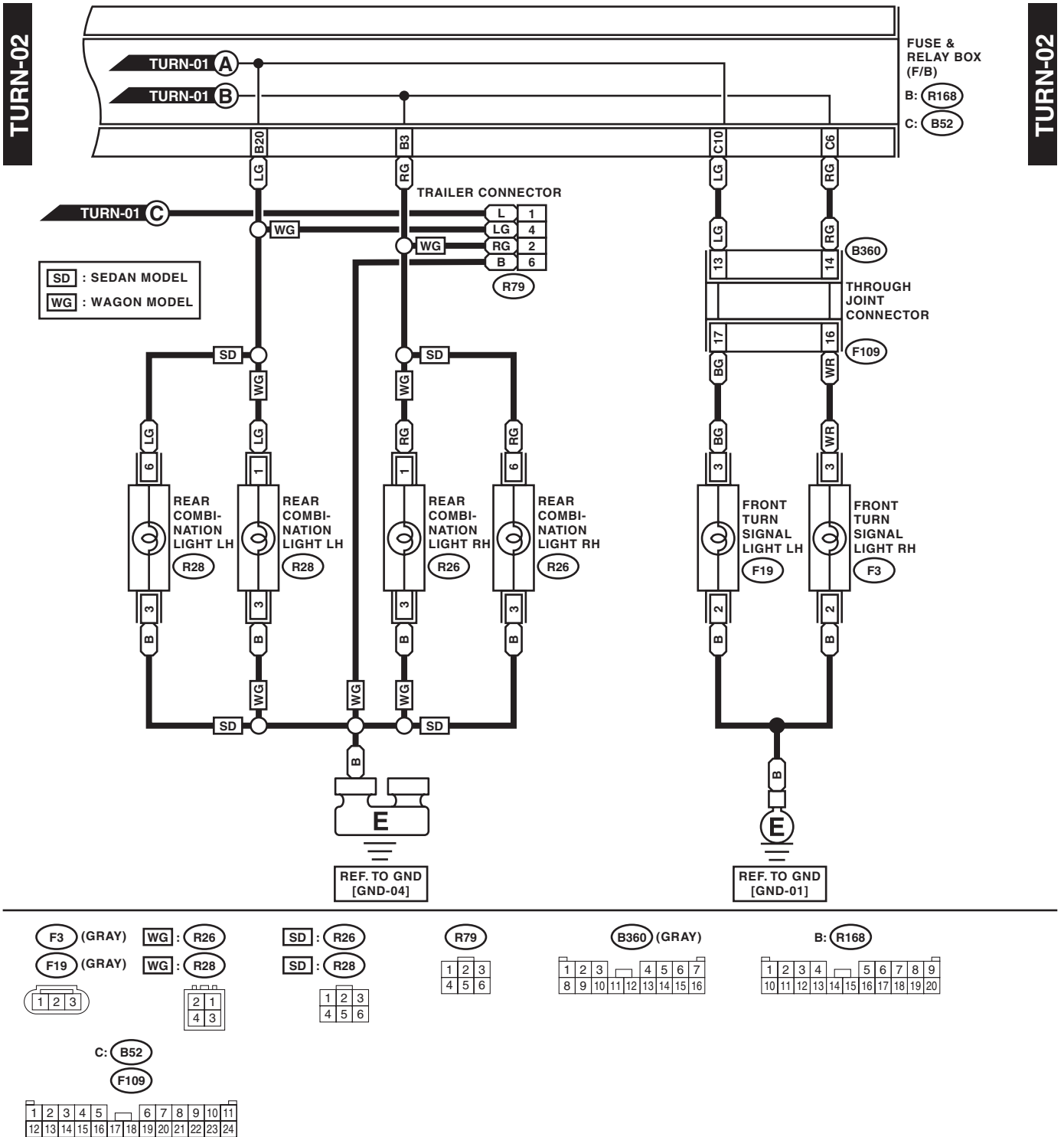
A: WIRING DIAGRAM



WI-13241

Turn Signal Light and Hazard Light System

WIRING SYSTEM



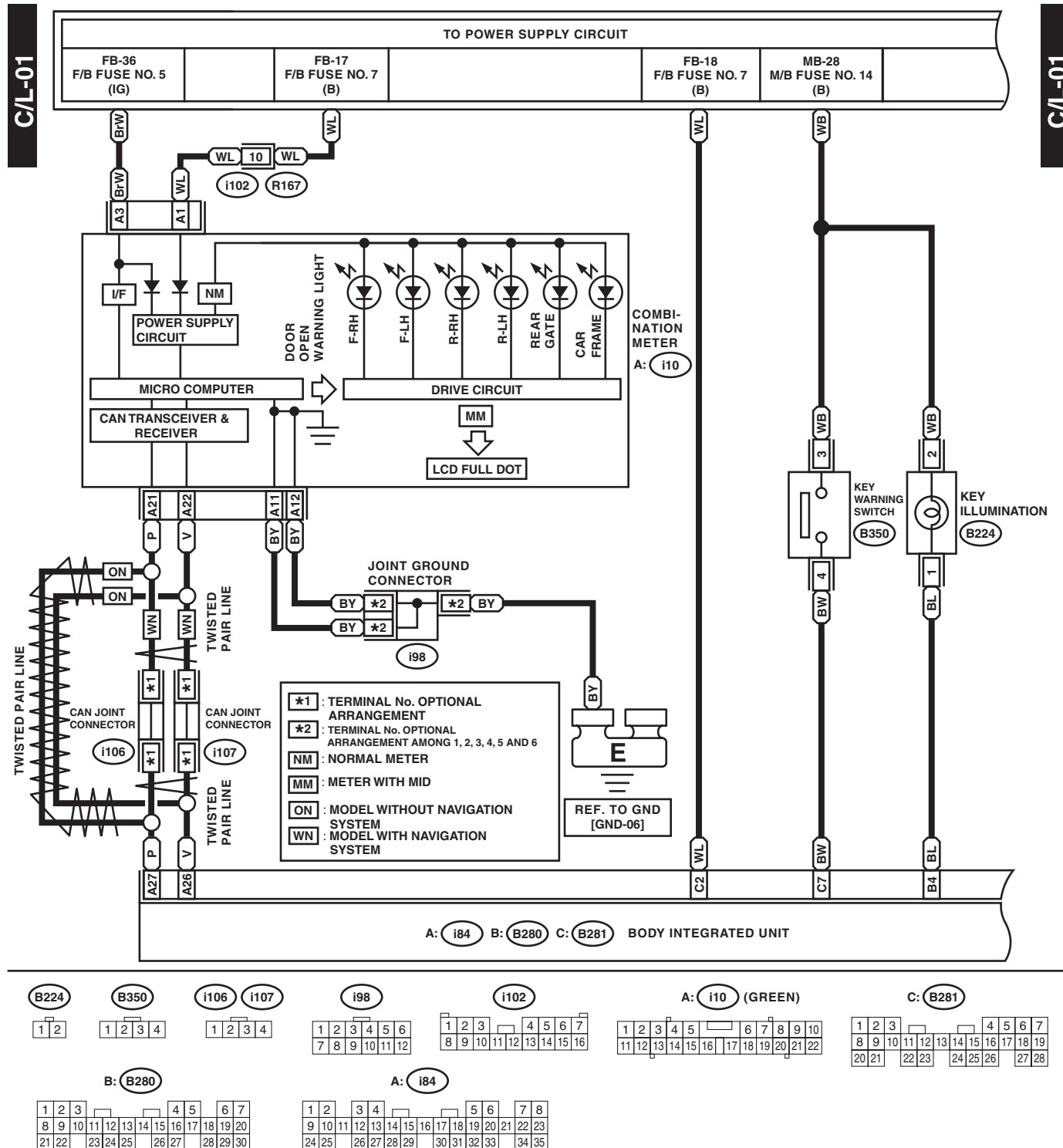
WI-13242

Interior Light System

WIRING SYSTEM

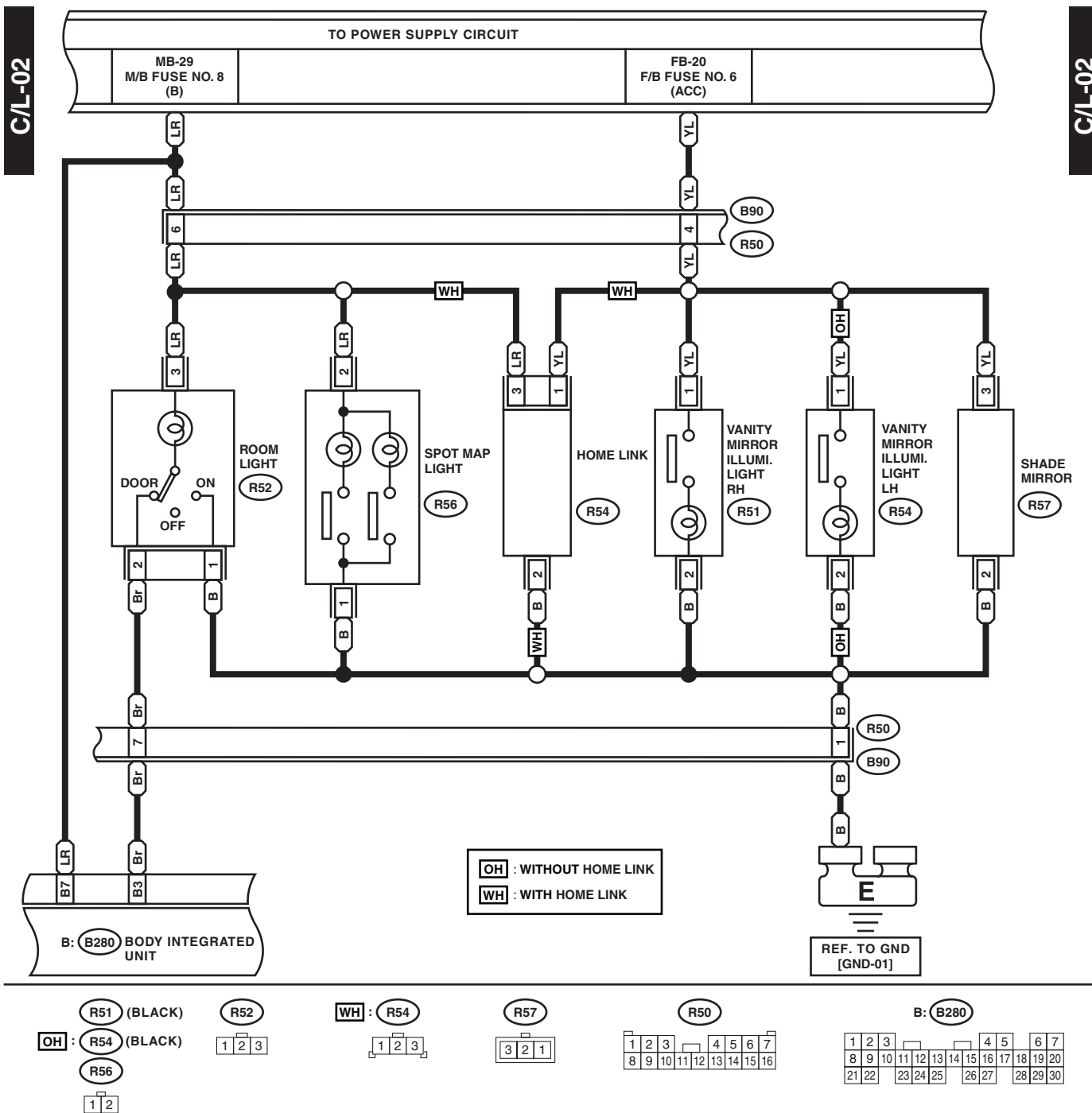
27. Interior Light System

A: WIRING DIAGRAM



Interior Light System

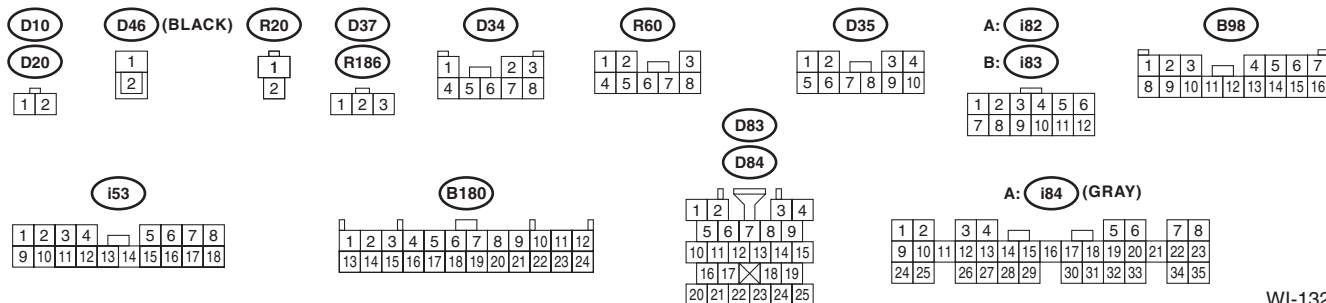
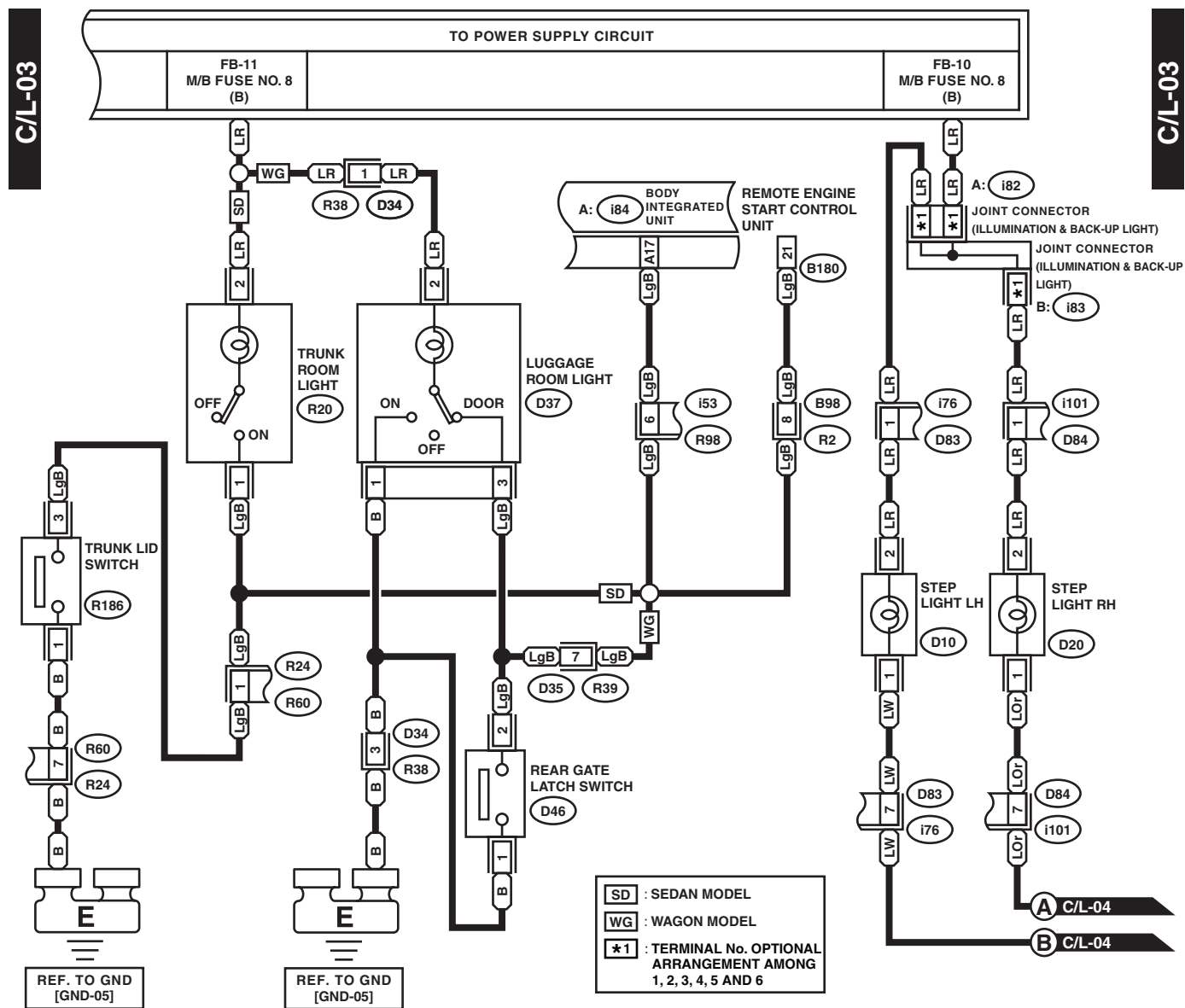
WIRING SYSTEM



WI-13244

Interior Light System

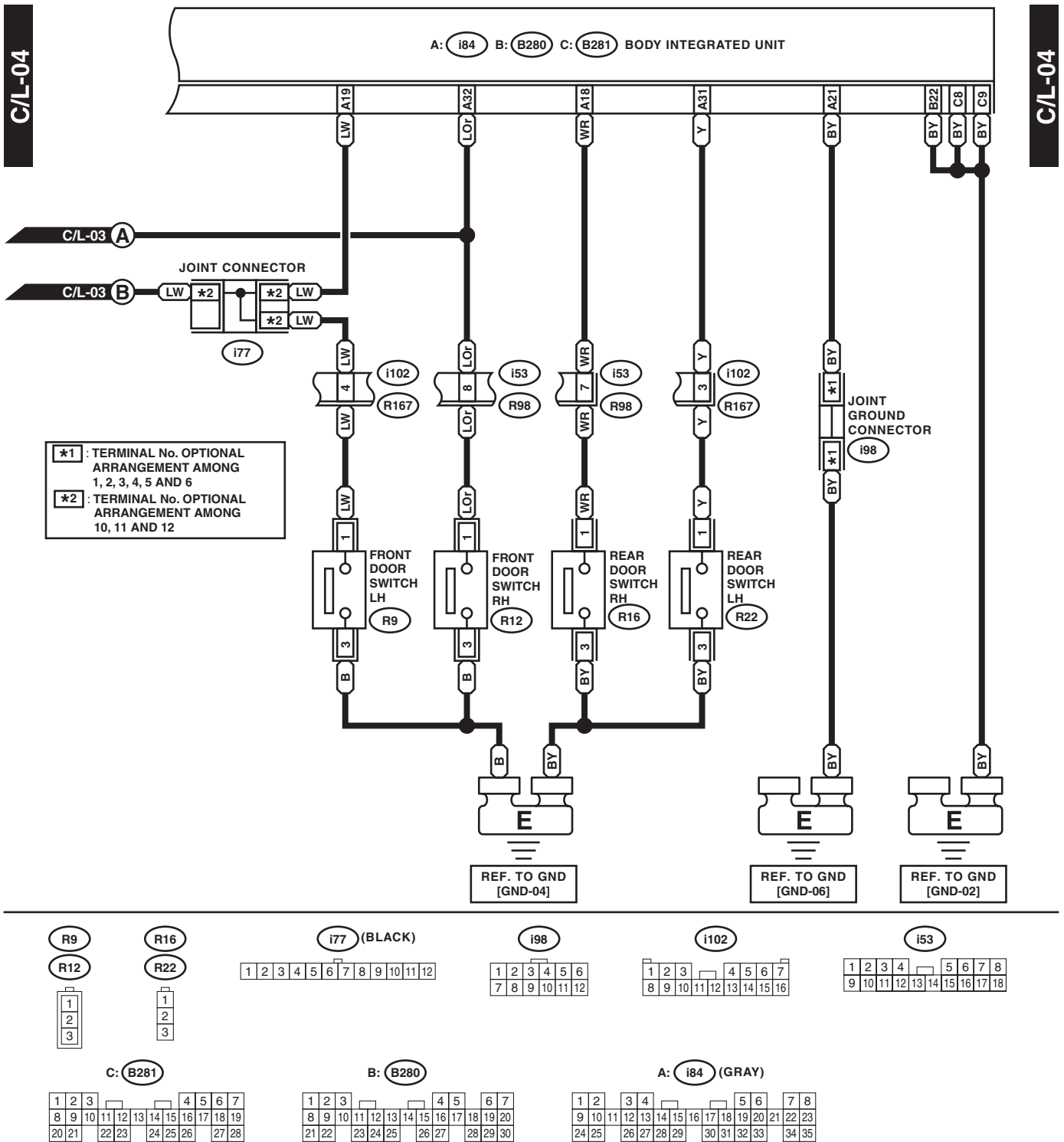
WIRING SYSTEM



WI-13245

Interior Light System

WIRING SYSTEM



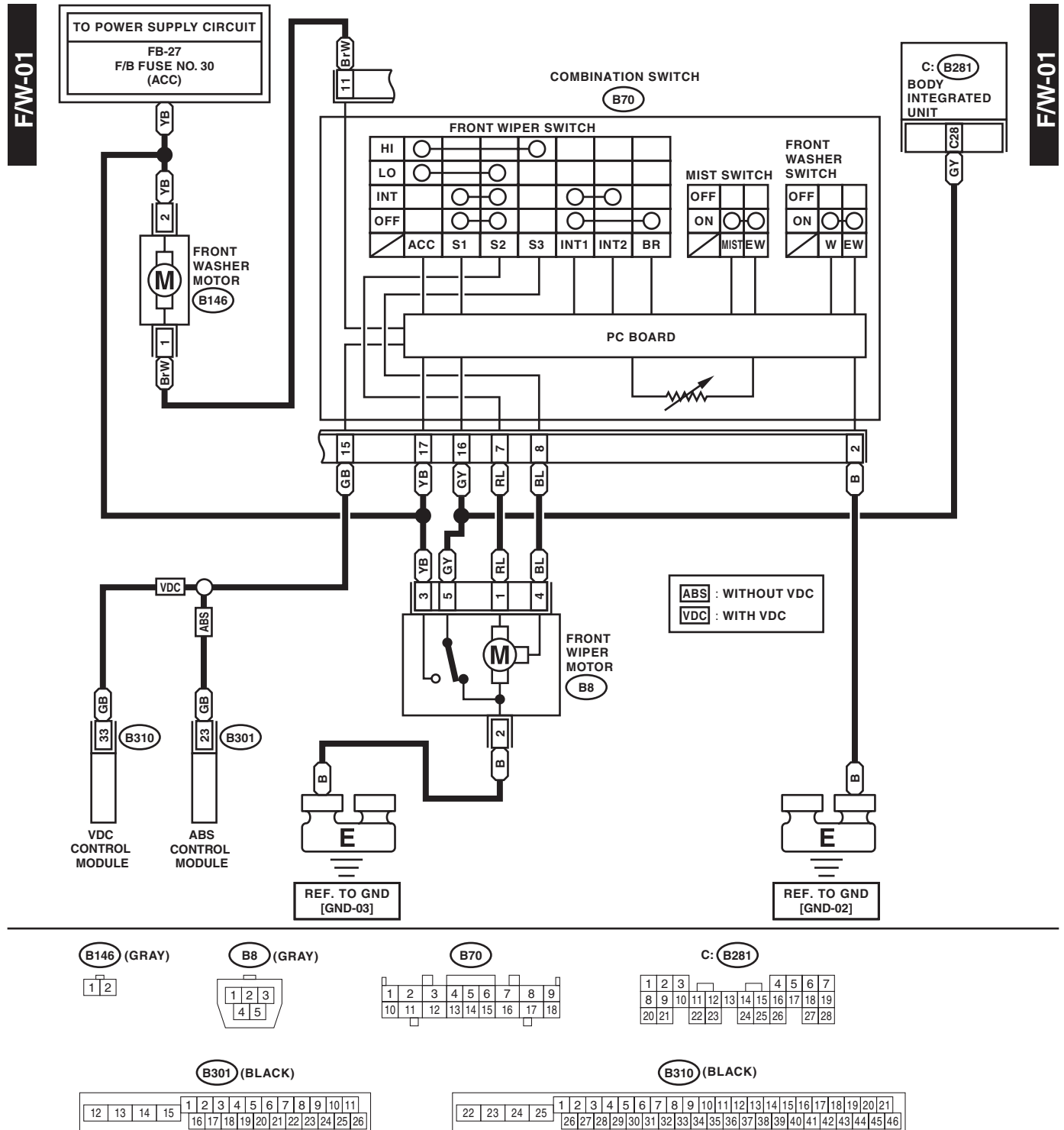
WI-13246

Front Wiper and Washer System

WIRING SYSTEM

28.Front Wiper and Washer System

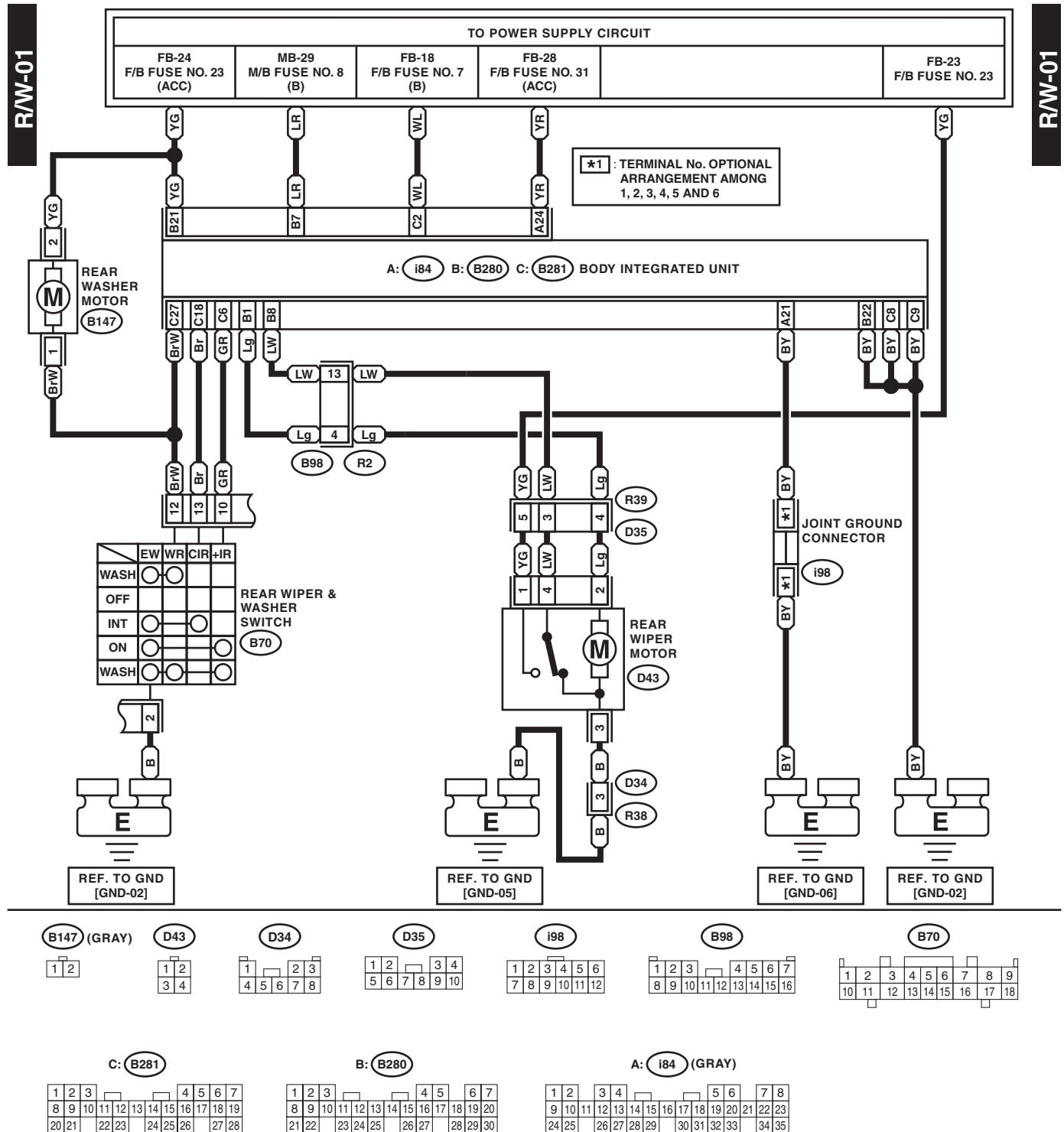
A: WIRING DIAGRAM



WI-13247

29.Rear Wiper and Washer System

A: WIRING DIAGRAM



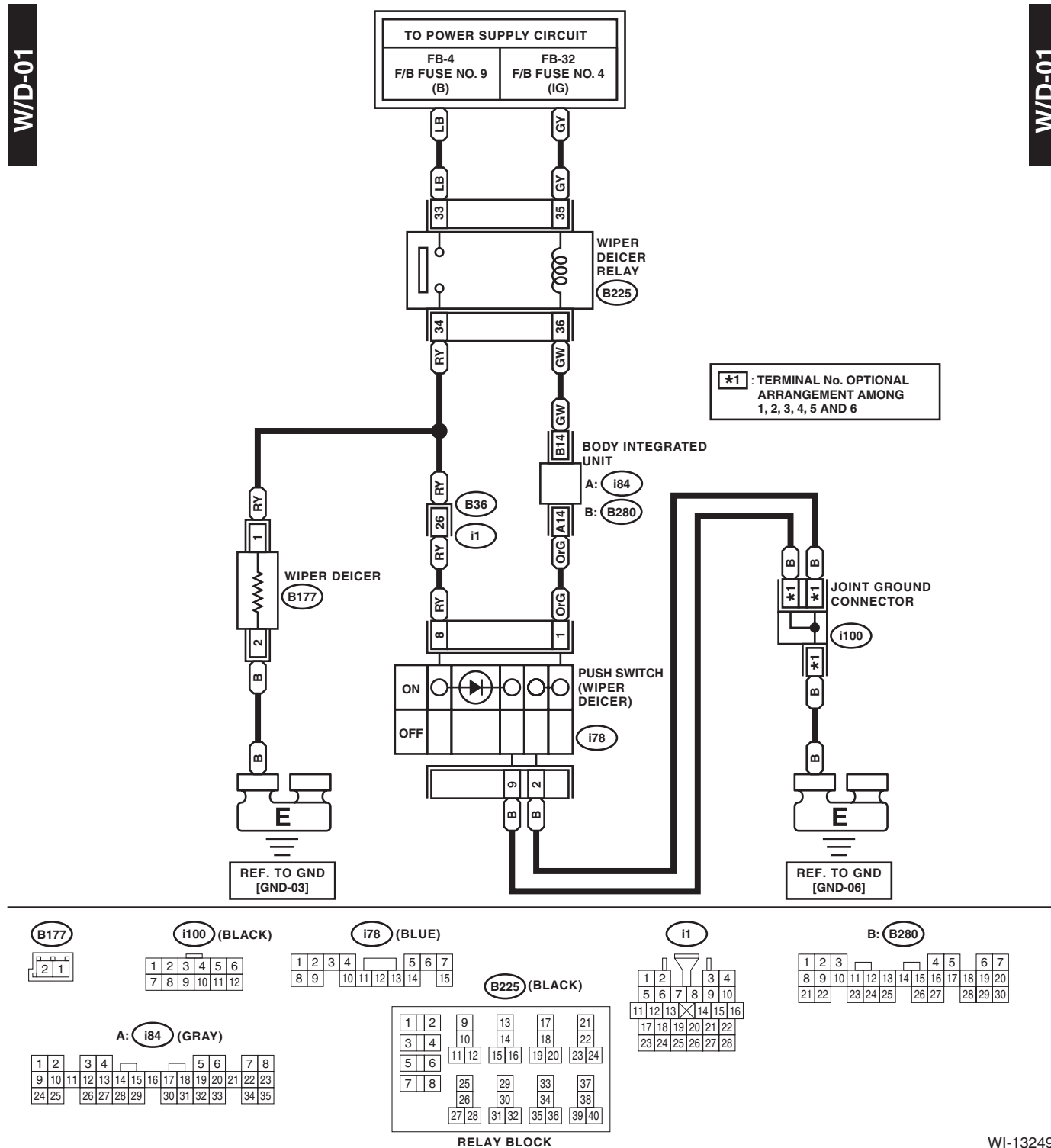
WI-13248

Wiper Deicer System

WIRING SYSTEM

30.Wiper Deicer System

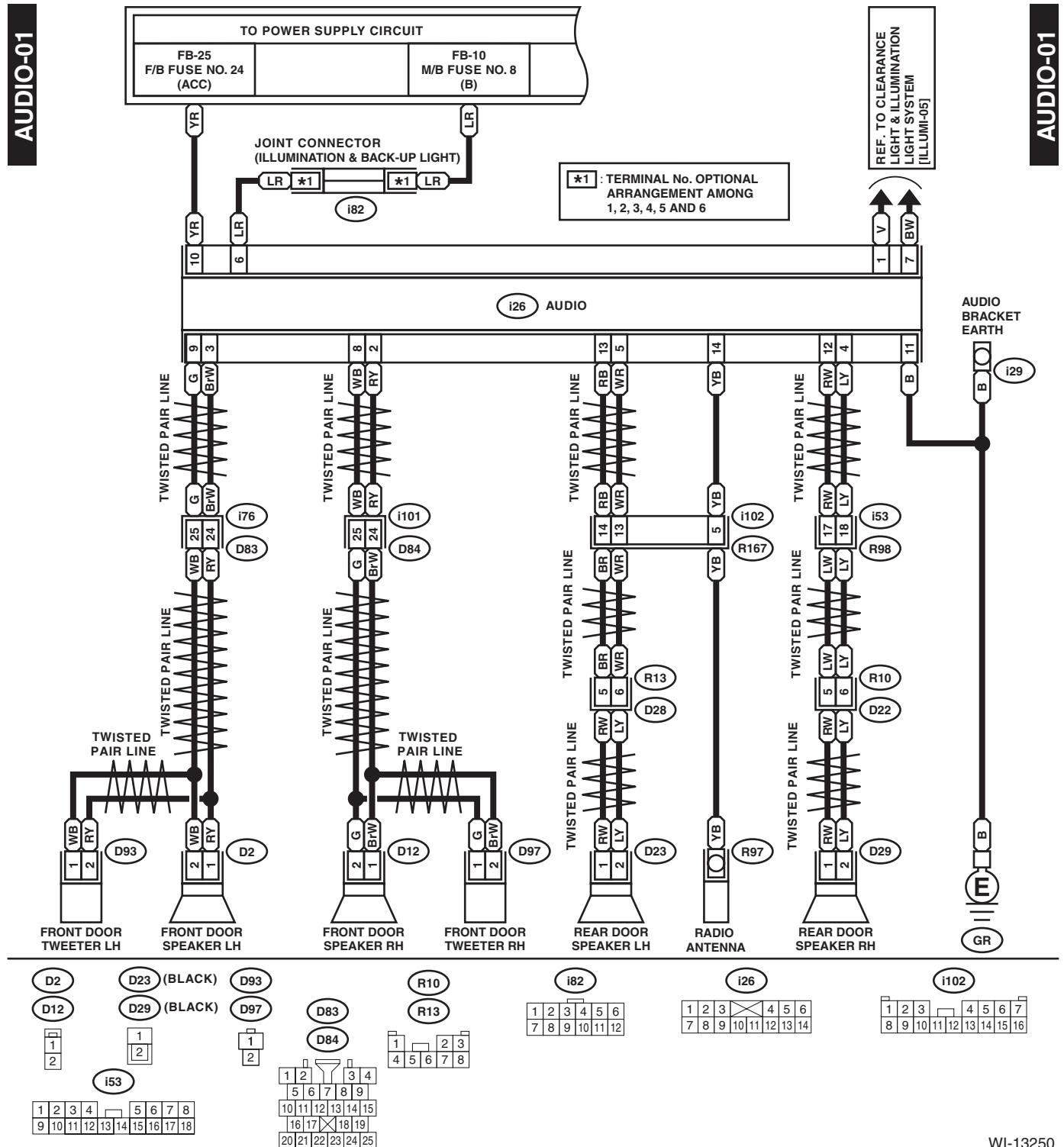
A: WIRING DIAGRAM



WI-13249

31.Audio System

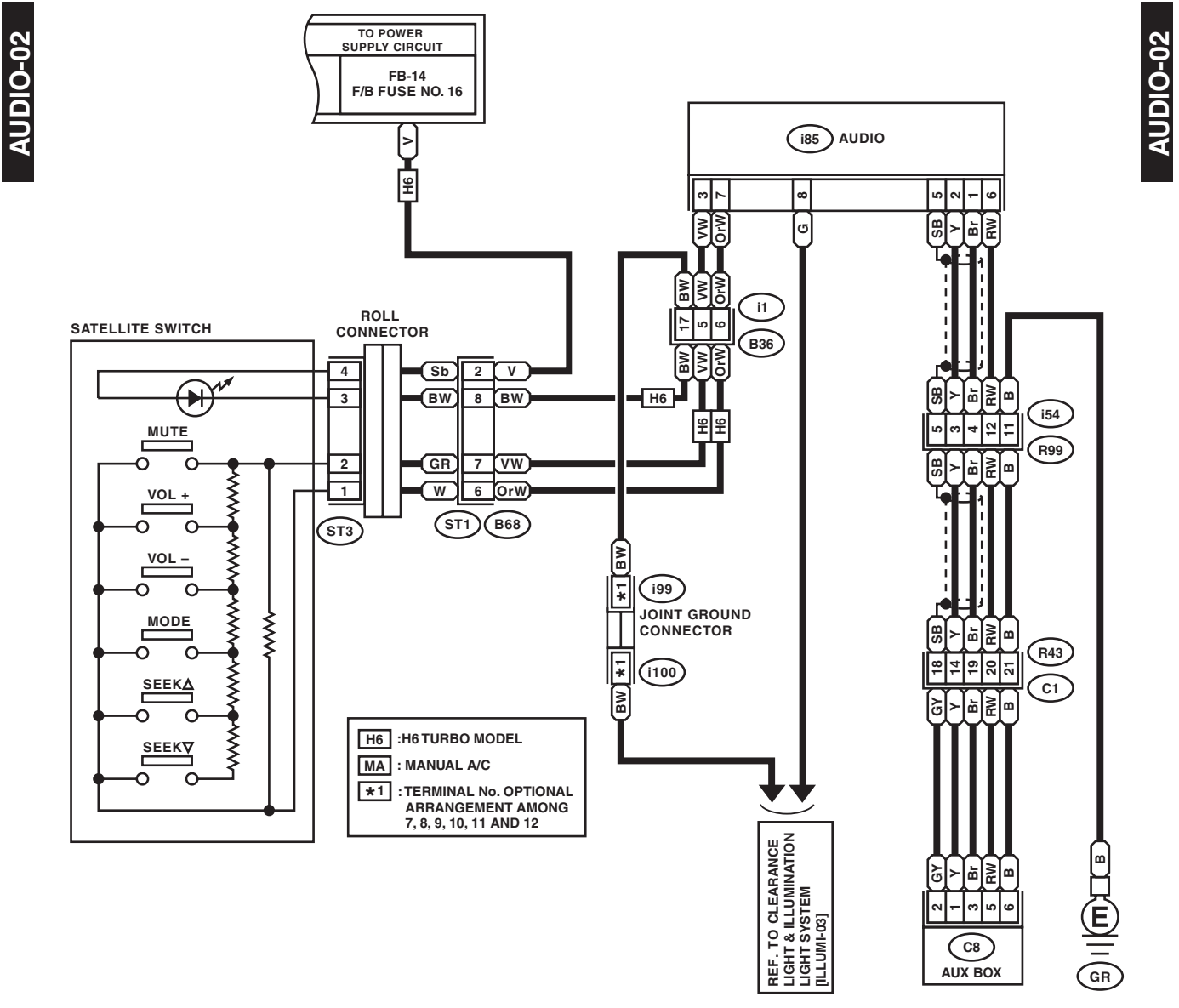
A: WIRING DIAGRAM



WI-13250

Audio System

WIRING SYSTEM



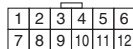
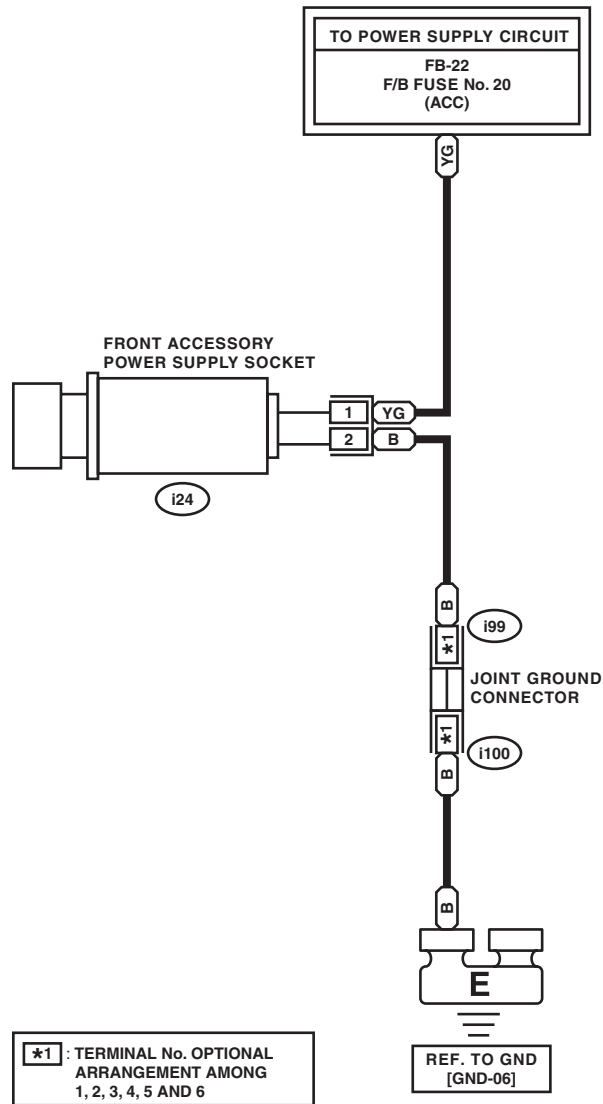
WI-13251

32.Front Accessory Power Supply Socket System

A: WIRING DIAGRAM

FAPS-01

FAPS-01

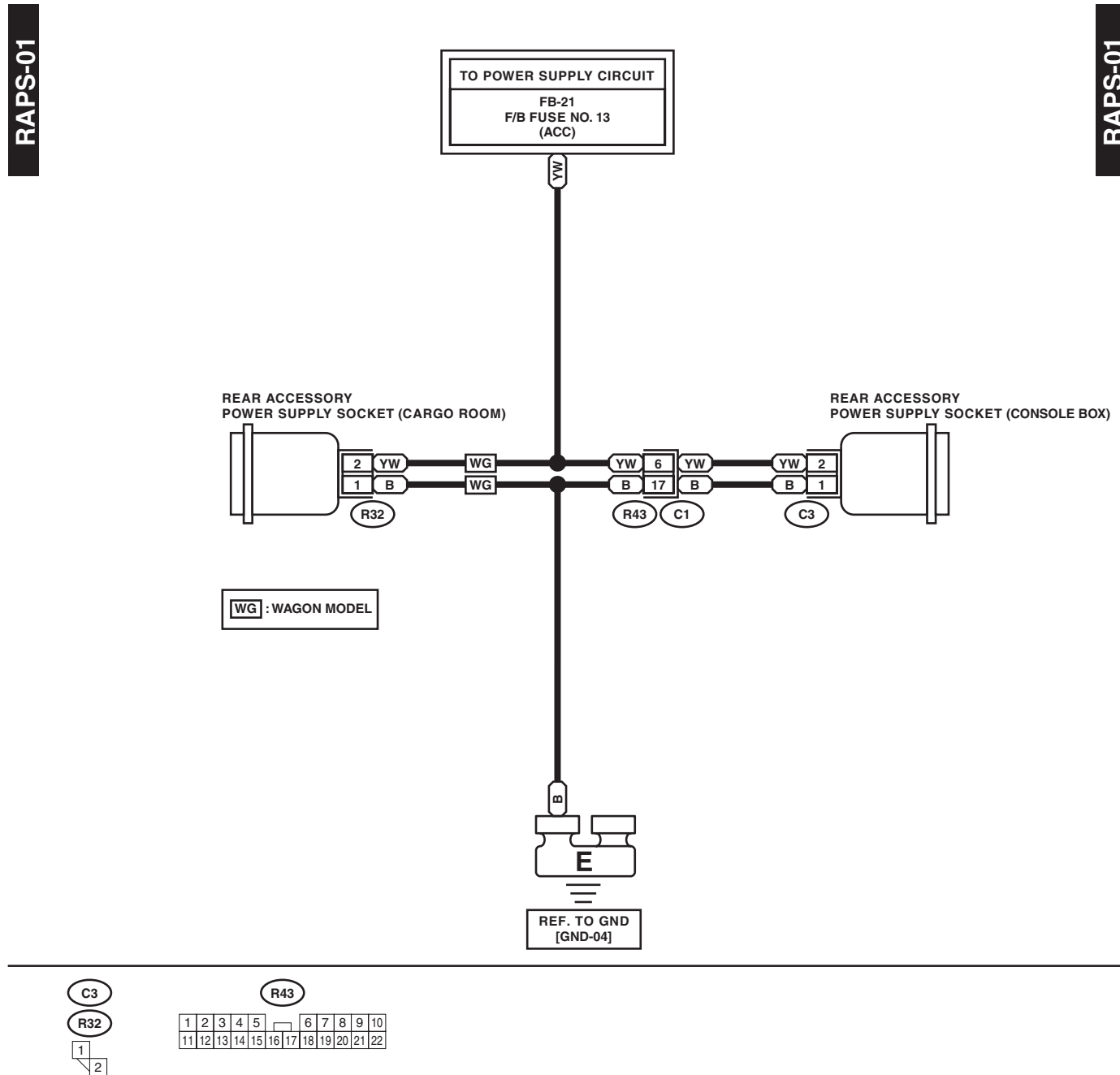


Rear Accessory Power Supply Socket System

WIRING SYSTEM

33.Rear Accessory Power Supply Socket System

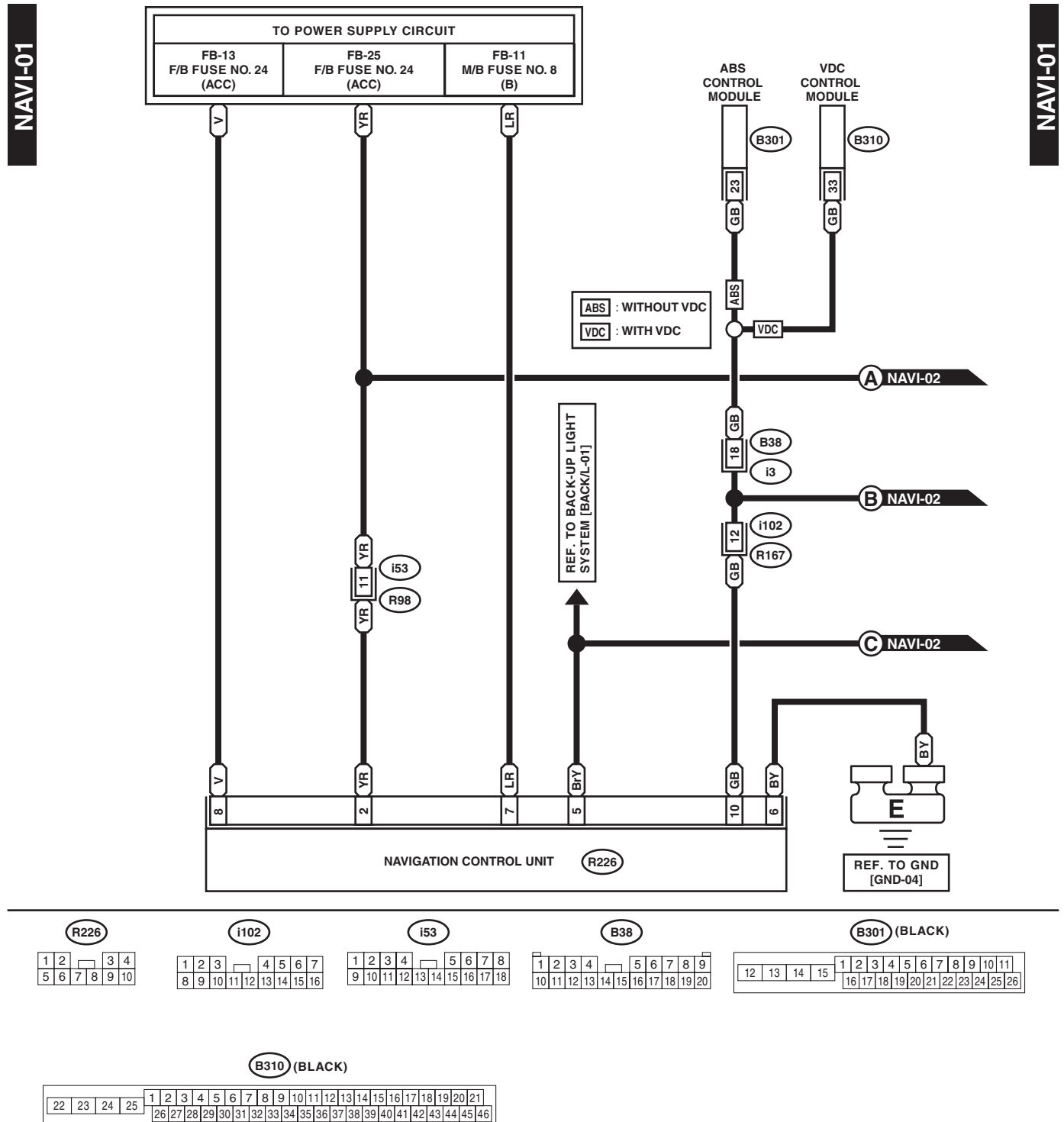
A: WIRING DIAGRAM



WI-13253

34.Navigation System

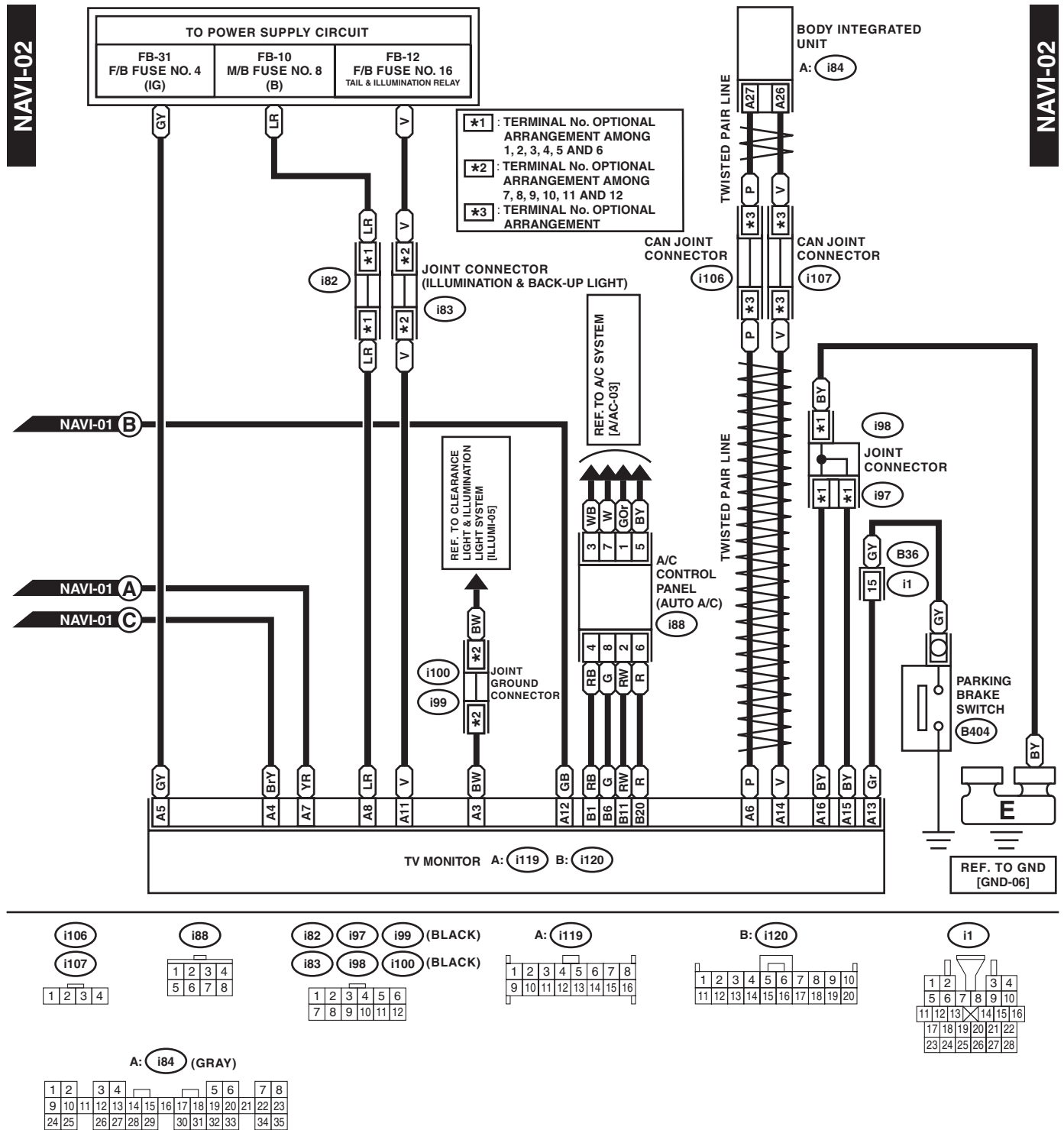
A: WIRING DIAGRAM



WI-13254

Navigation System

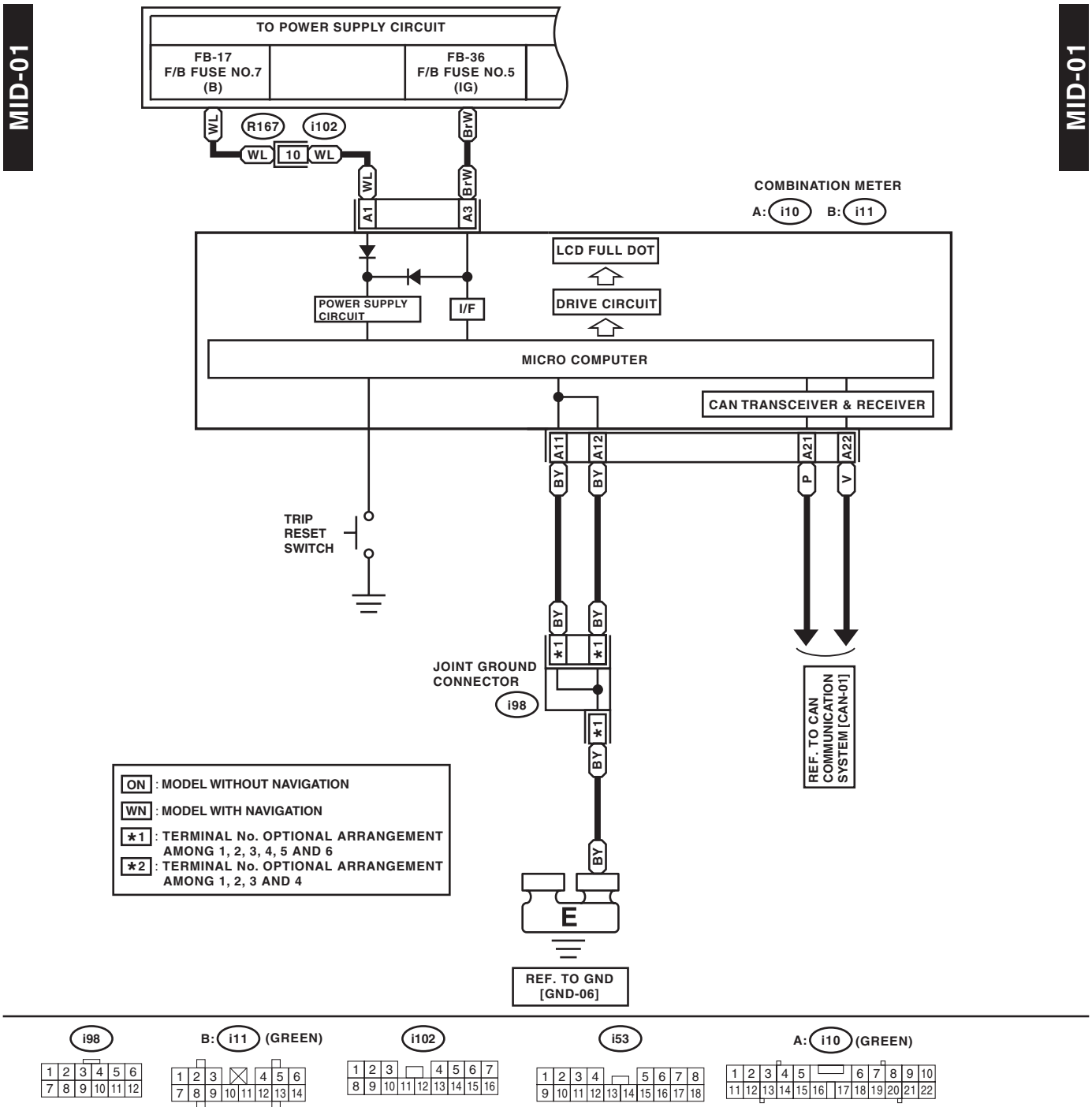
WIRING SYSTEM



WI-13255

35. Multi-Information Display (MID) System

A: WIRING DIAGRAM

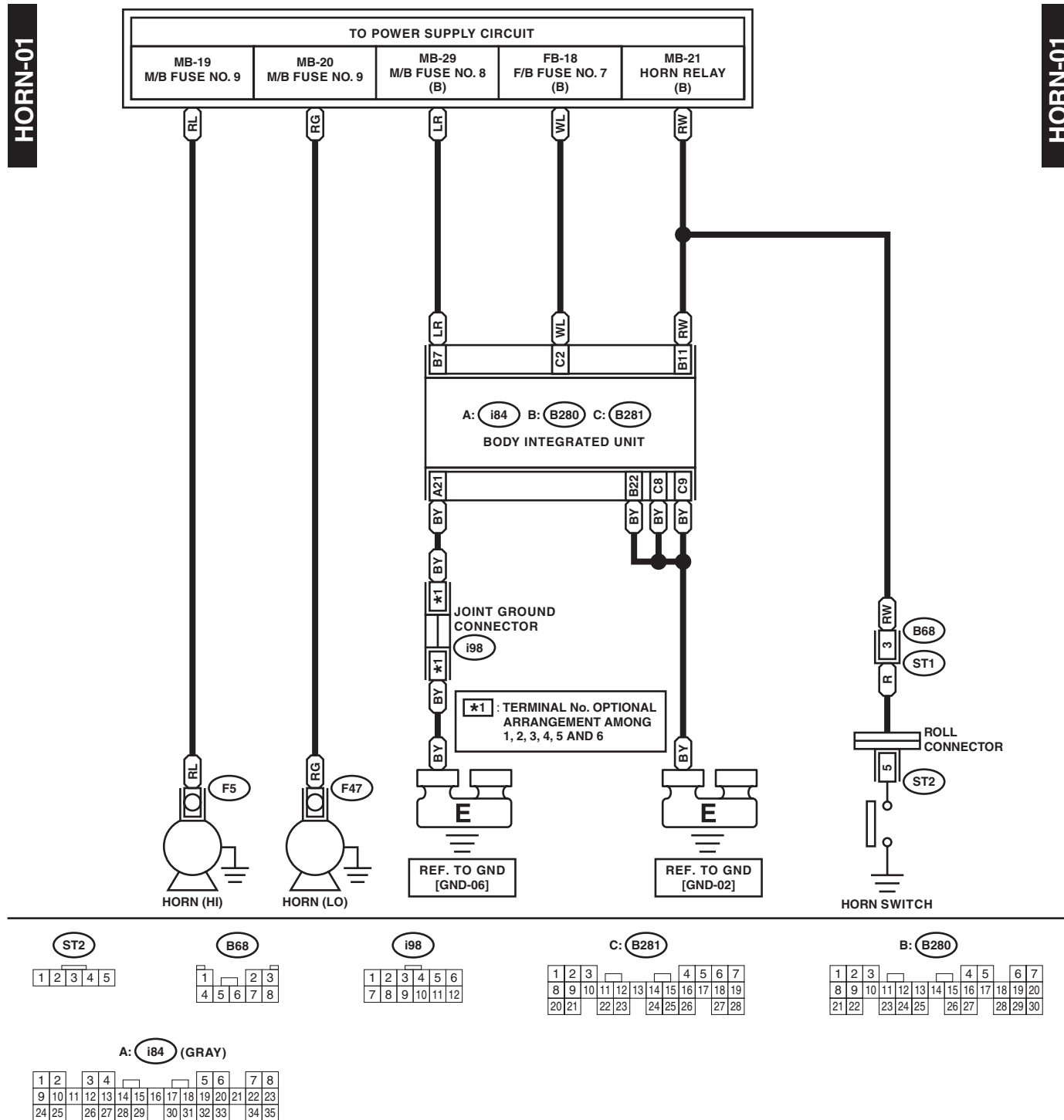


Horn System

WIRING SYSTEM

36.Horn System

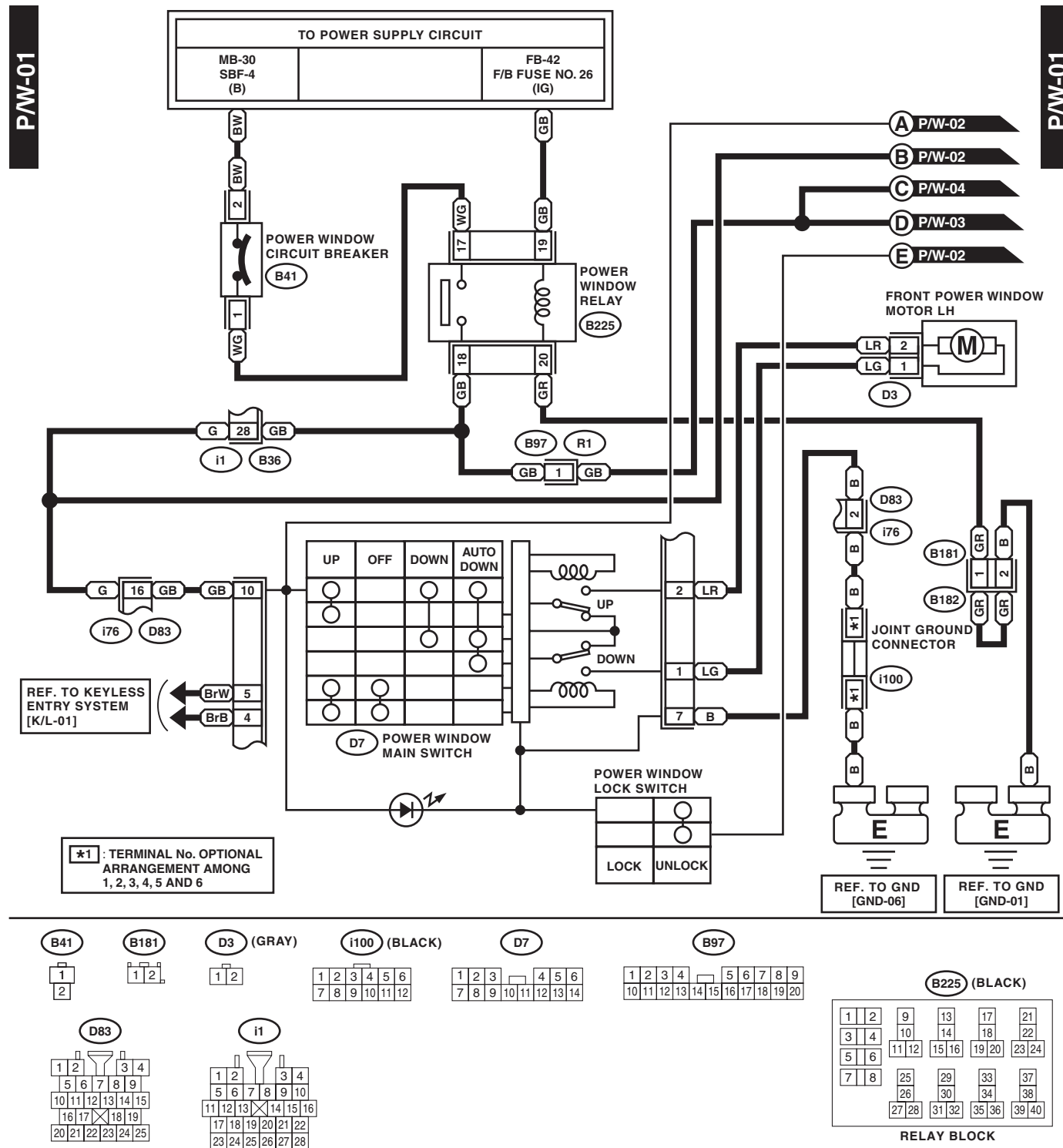
A: WIRING DIAGRAM



WI-13257

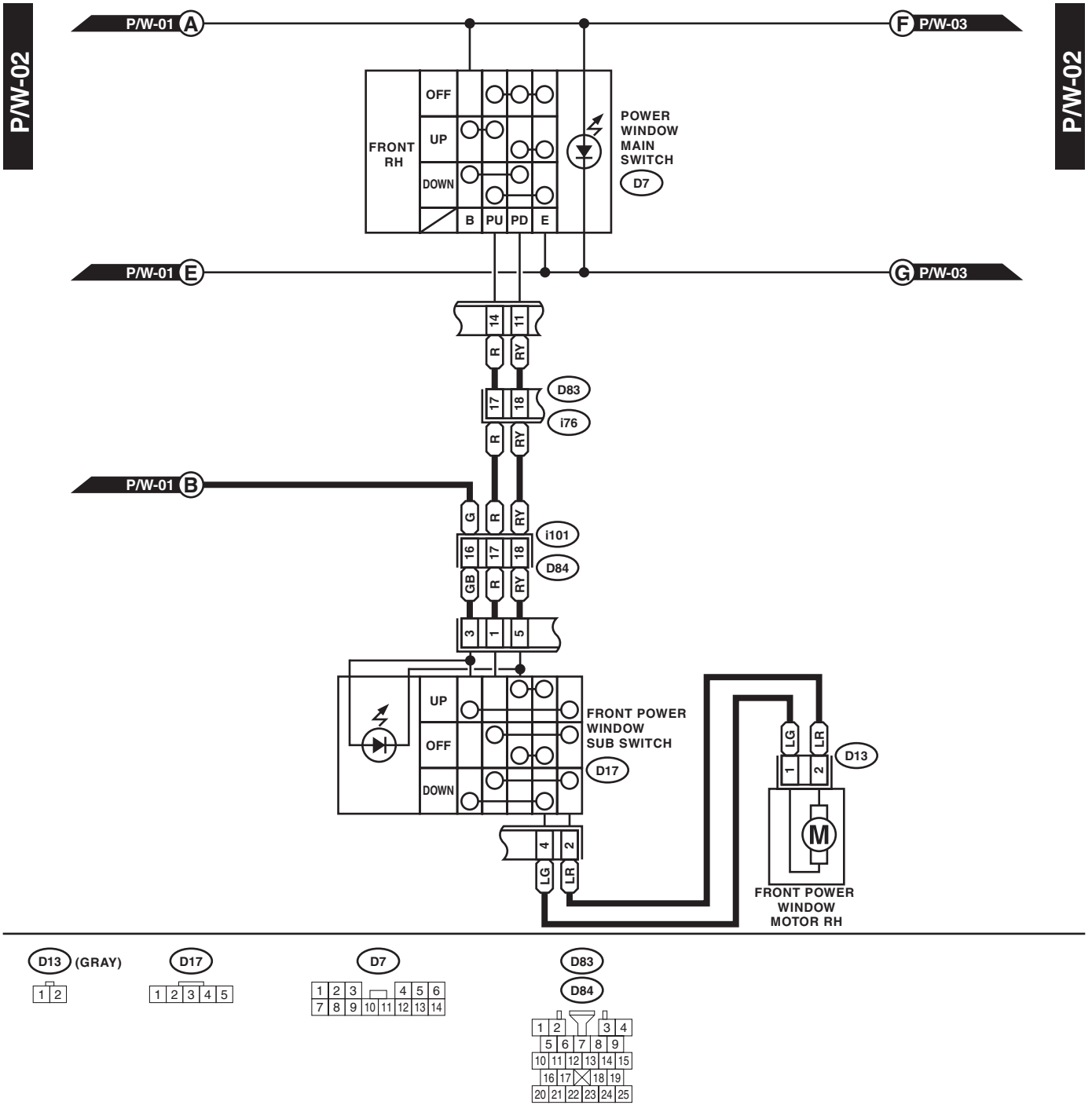
37. Power Window System

A: WIRING DIAGRAM



Power Window System

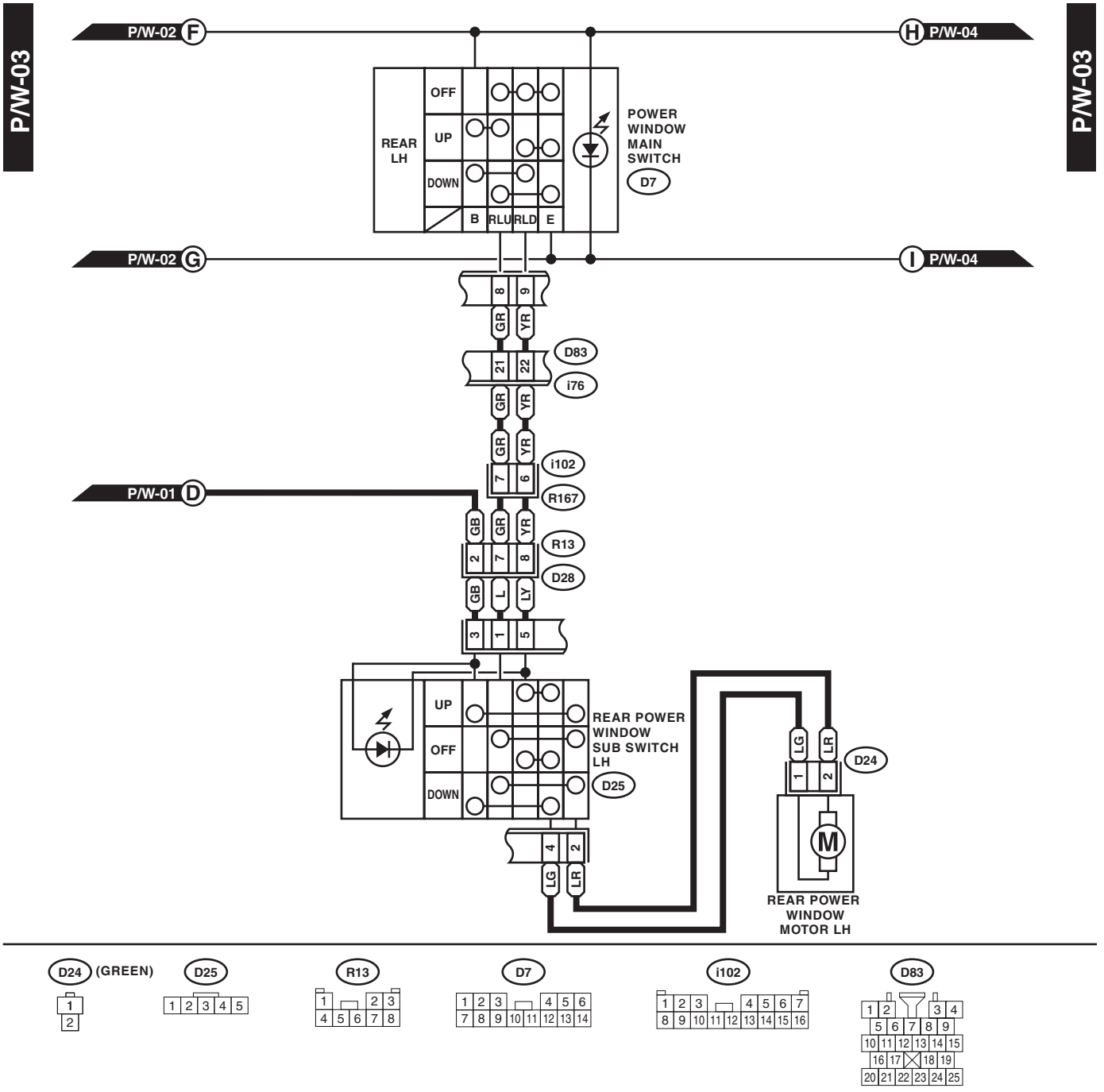
WIRING SYSTEM



WI-13259

Power Window System

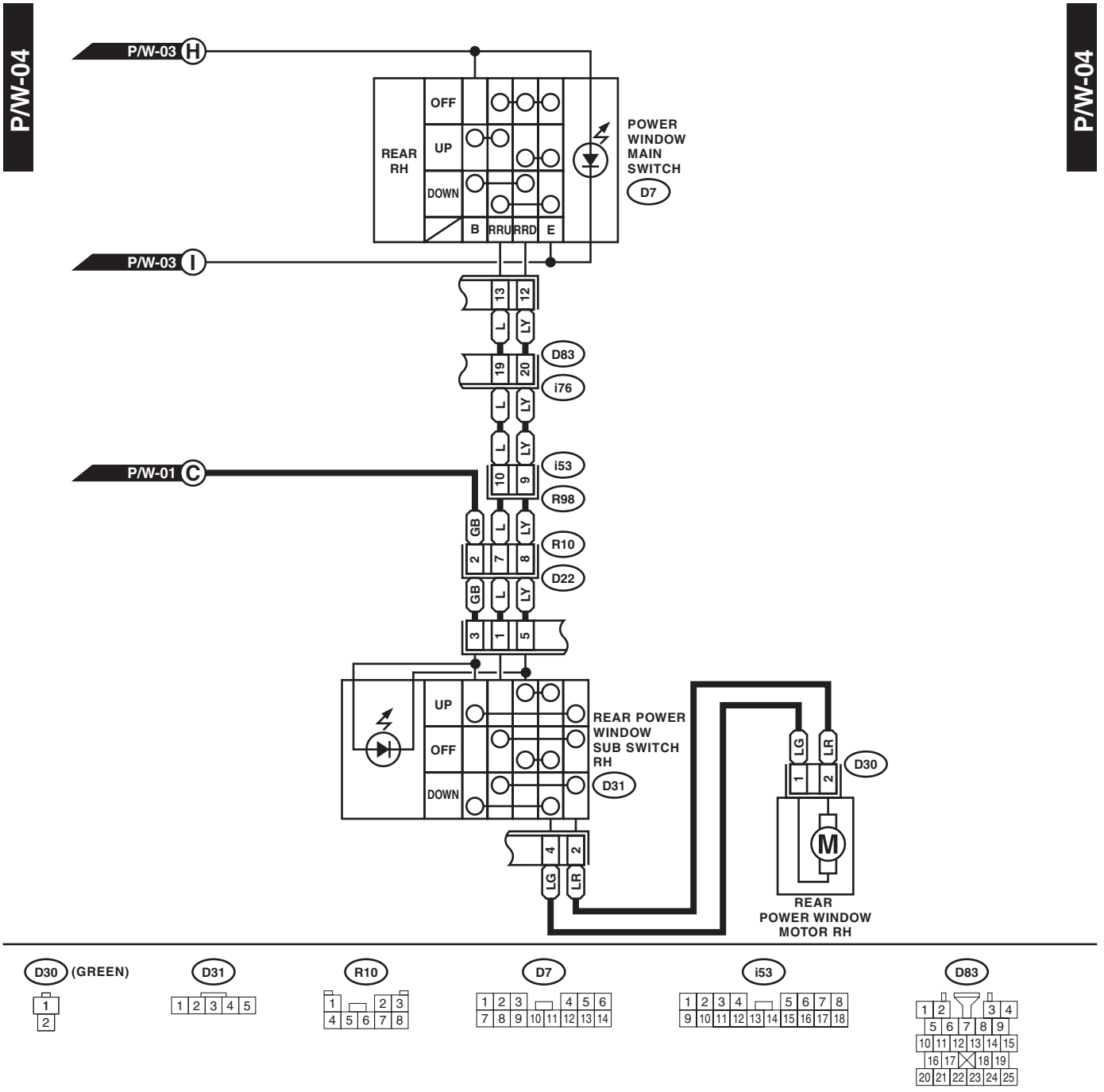
WIRING SYSTEM



WI-13260

Power Window System

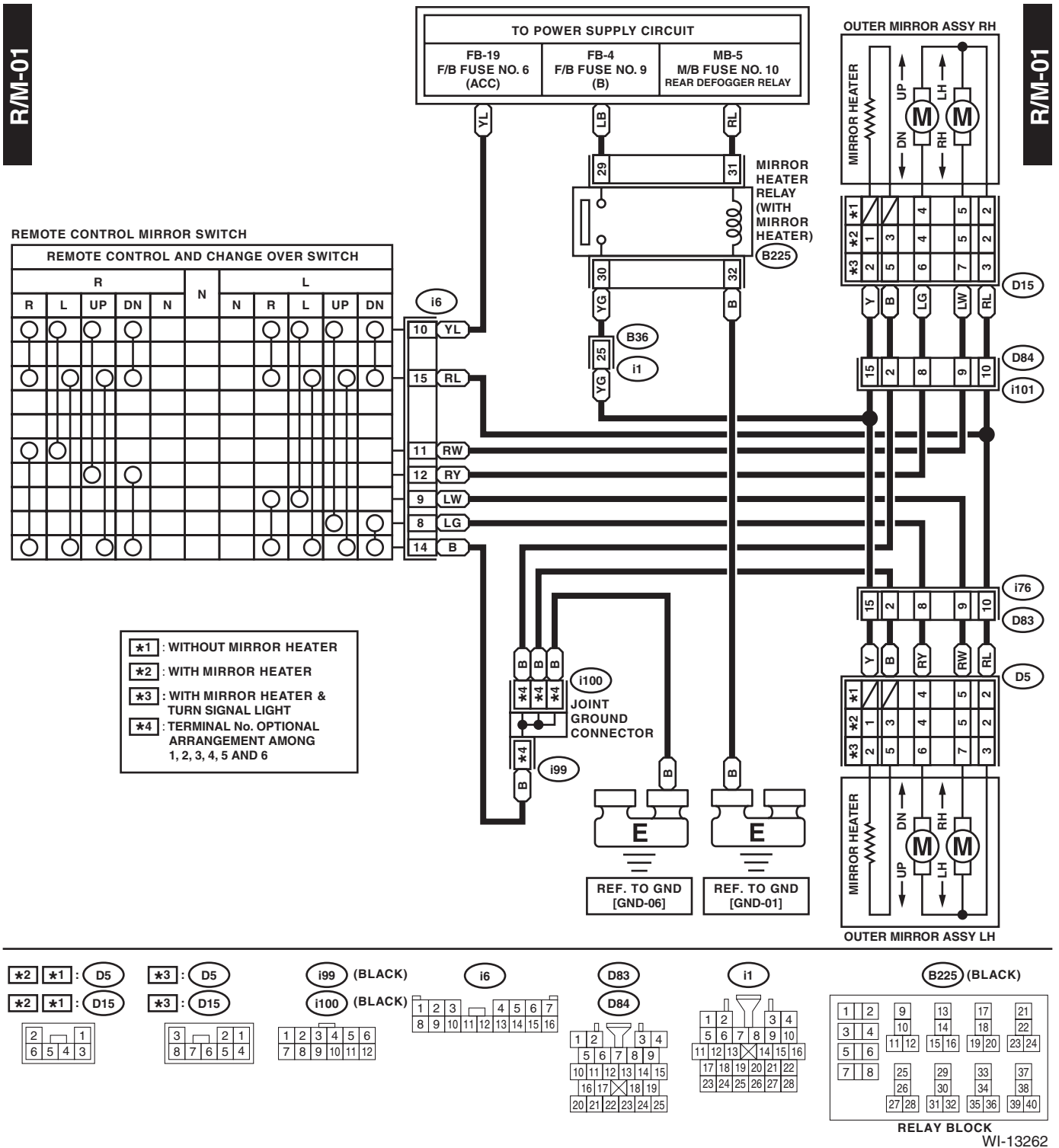
WIRING SYSTEM



WI-13261

38.Remote Control Mirror System

A: WIRING DIAGRAM

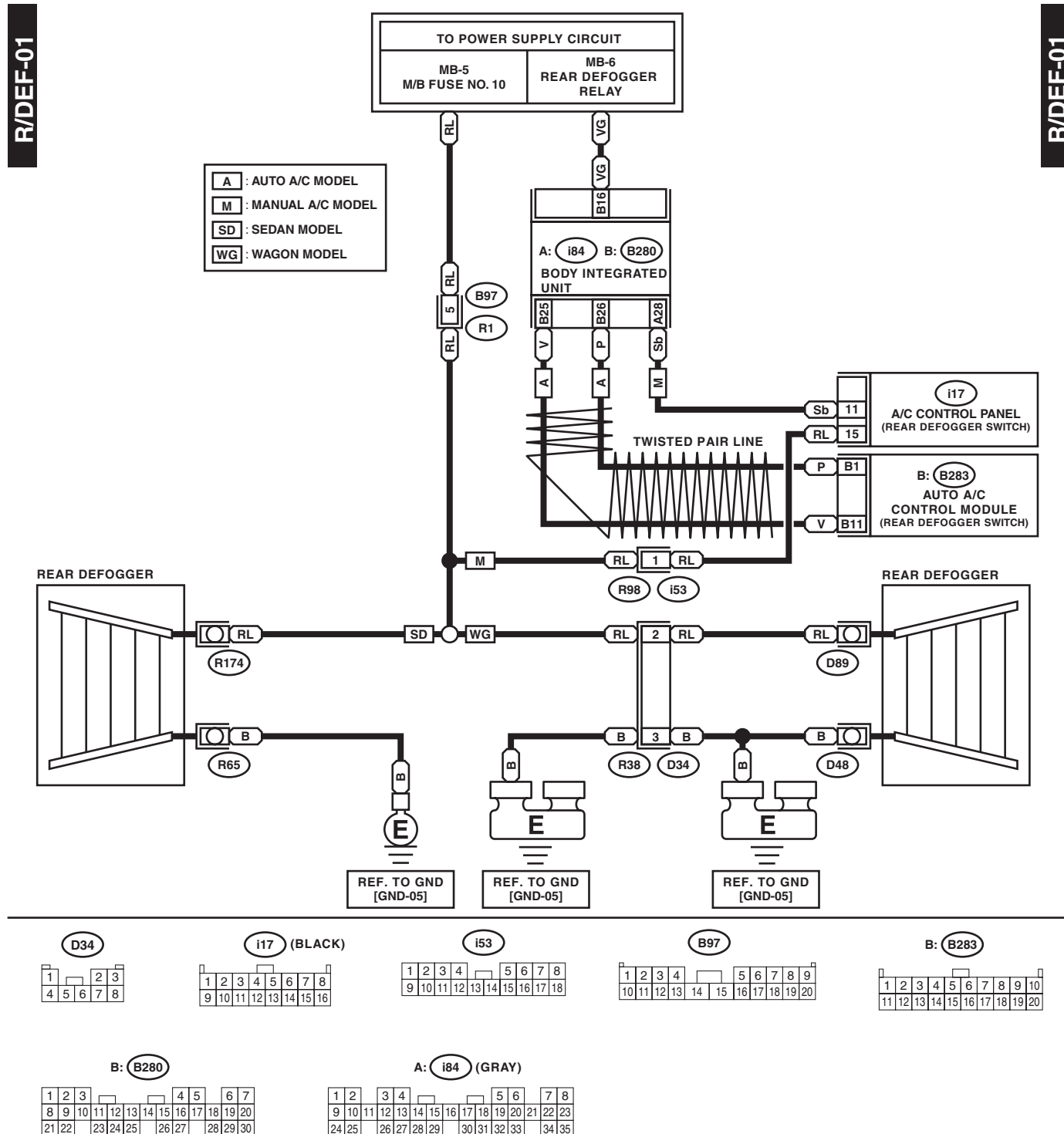


Rear Defogger System

WIRING SYSTEM

39.Rear Defogger System

A: WIRING DIAGRAM



WI-13263

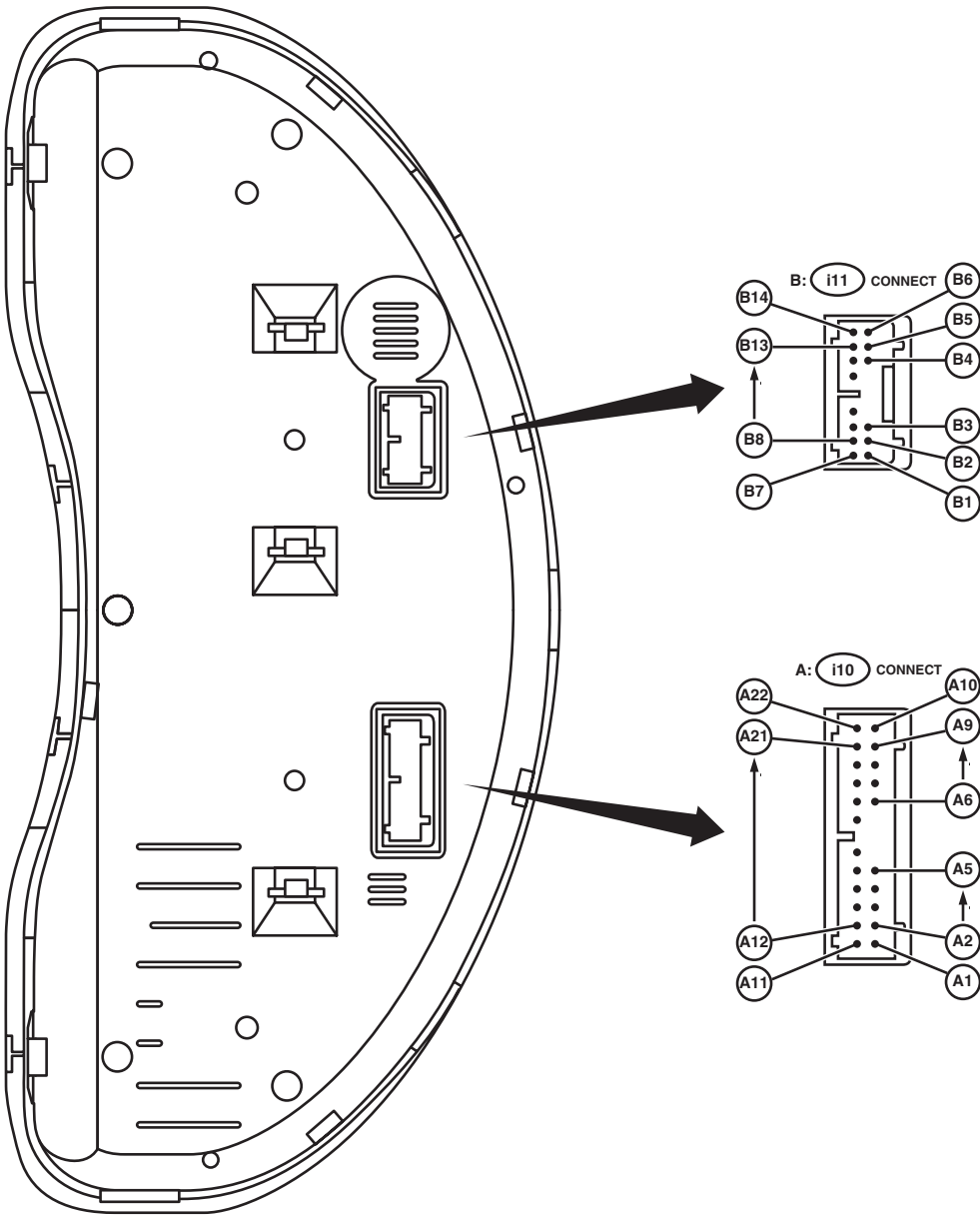
40. Combination Meter System

A: WIRING DIAGRAM

1. NORMAL METER

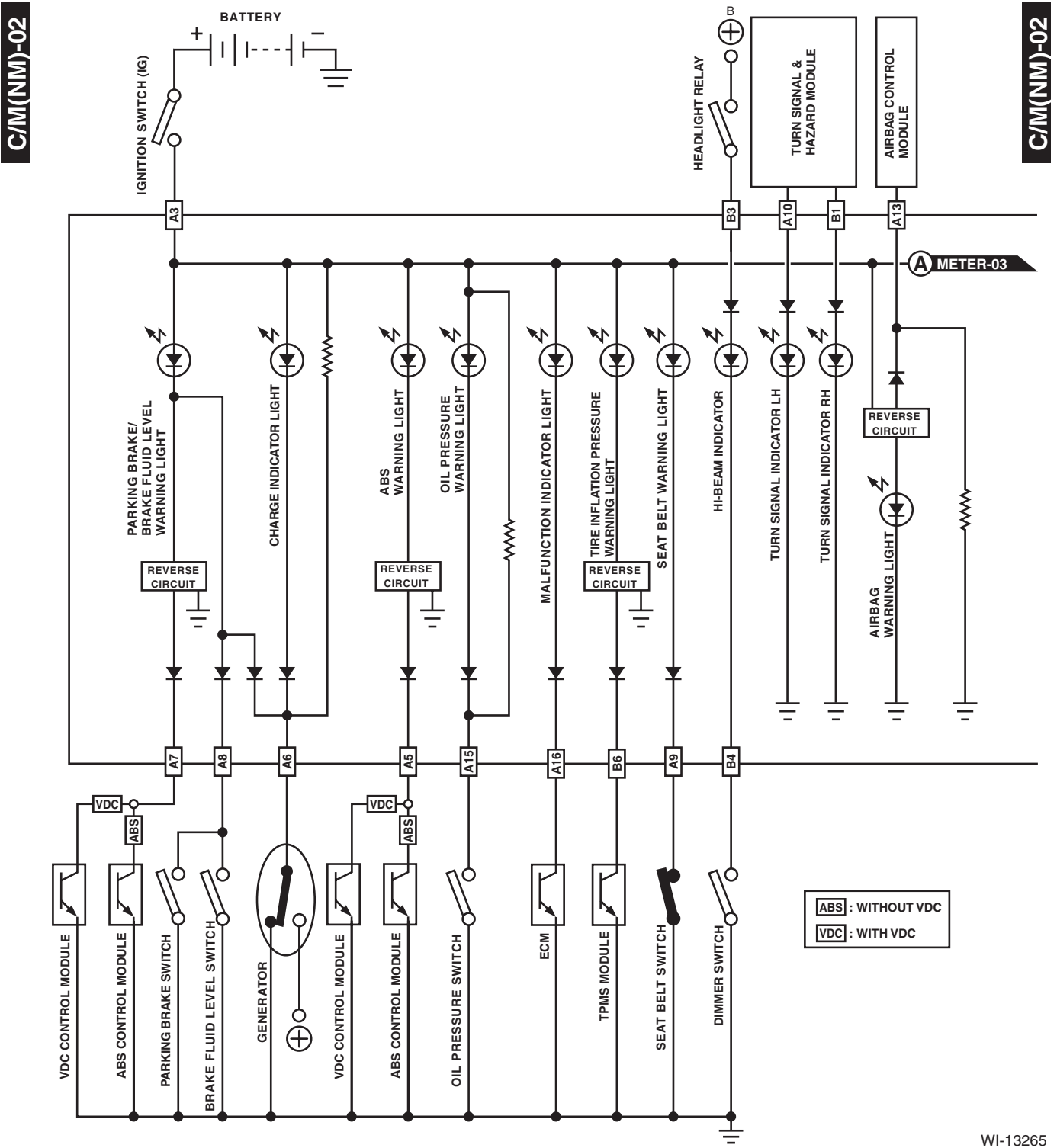
C/M(NM)-01

C/M(NM)-01



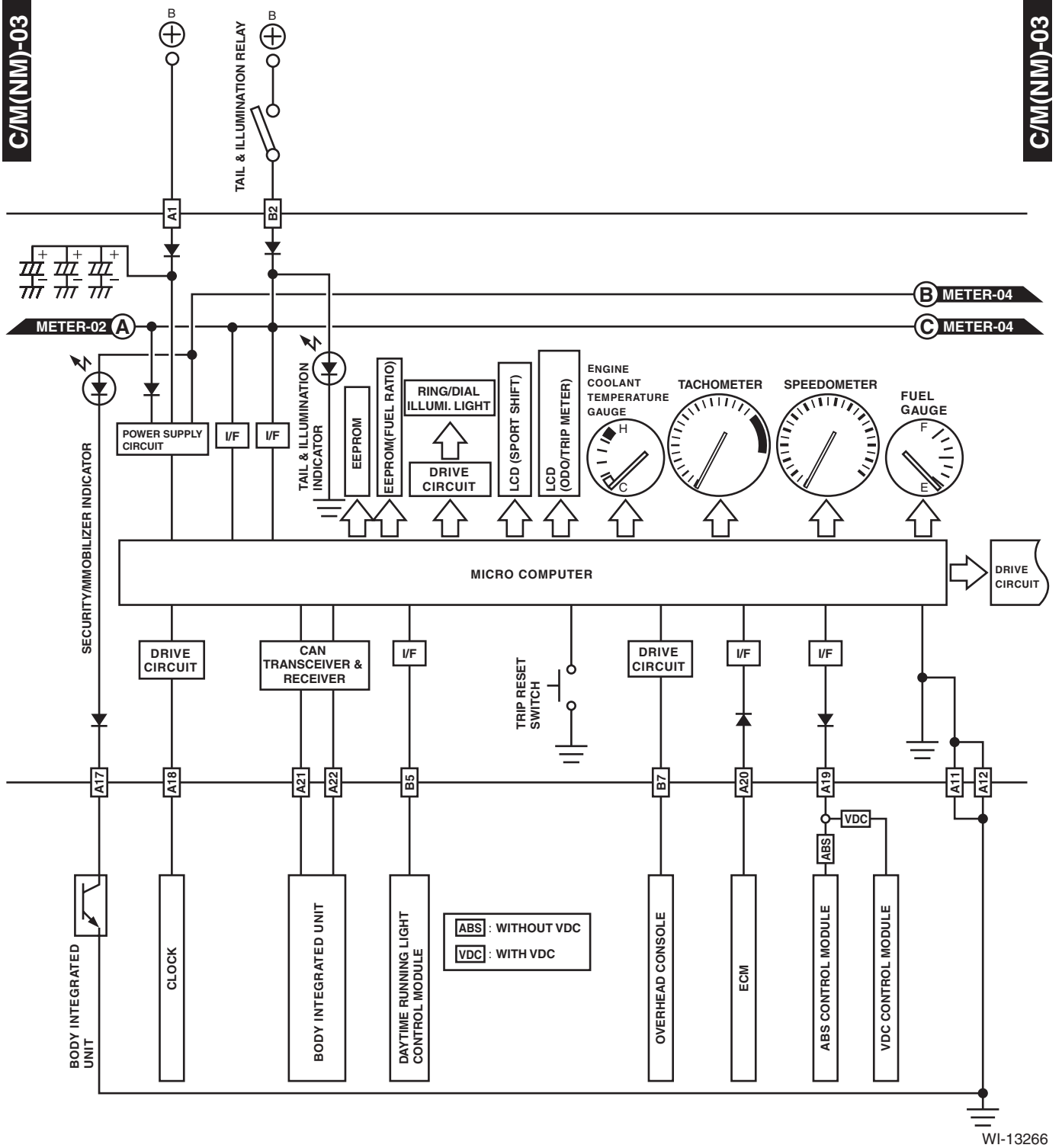
Combination Meter System

WIRING SYSTEM



Combination Meter System

WIRING SYSTEM



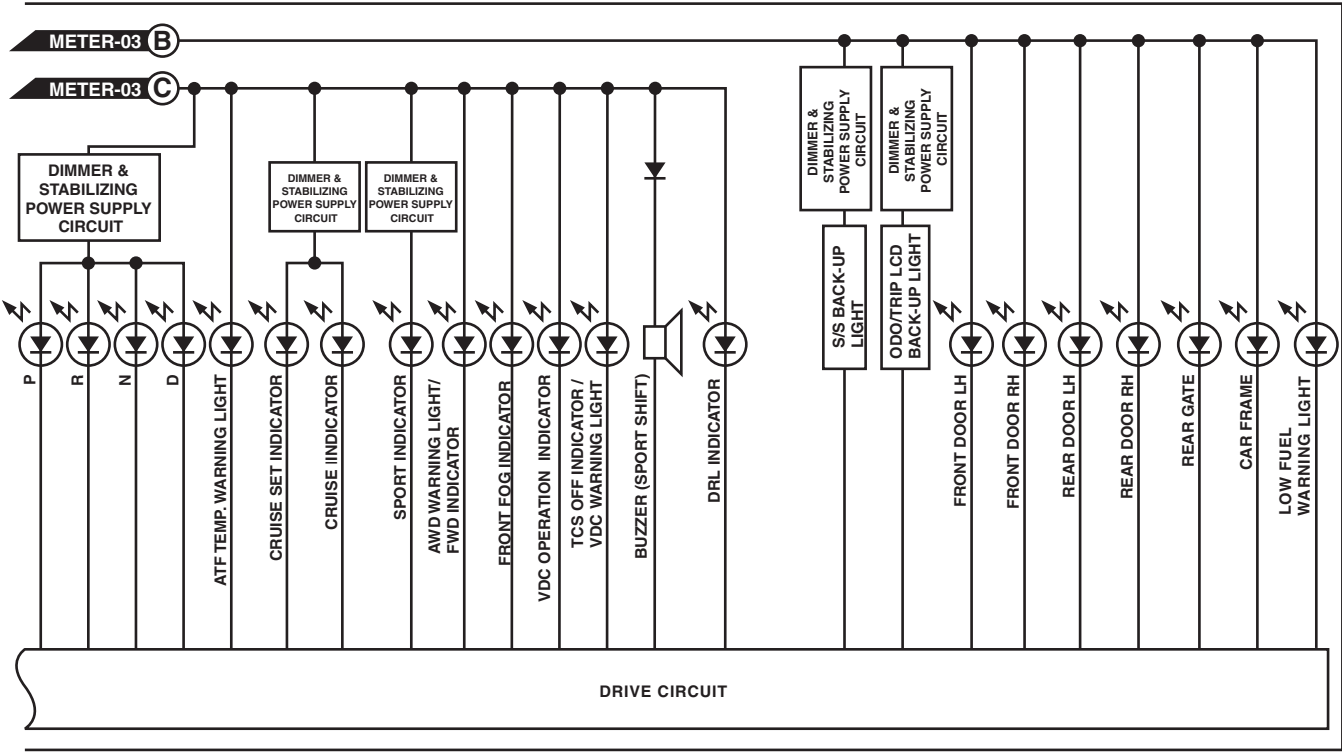
WI-13266

Combination Meter System

WIRING SYSTEM

C/M(NM)-04

C/M(NM)-04

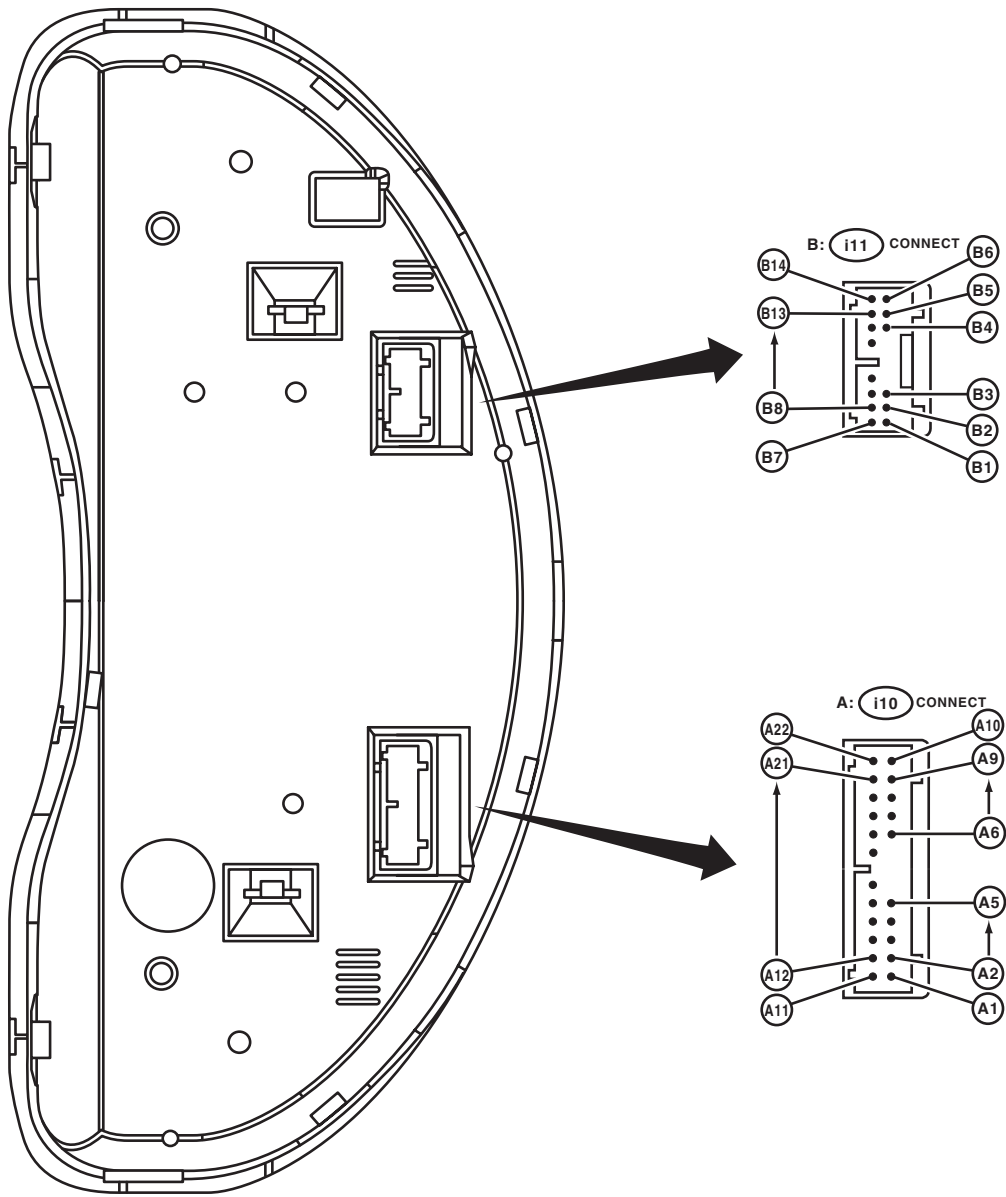


WI-13267

2. MULTI METER

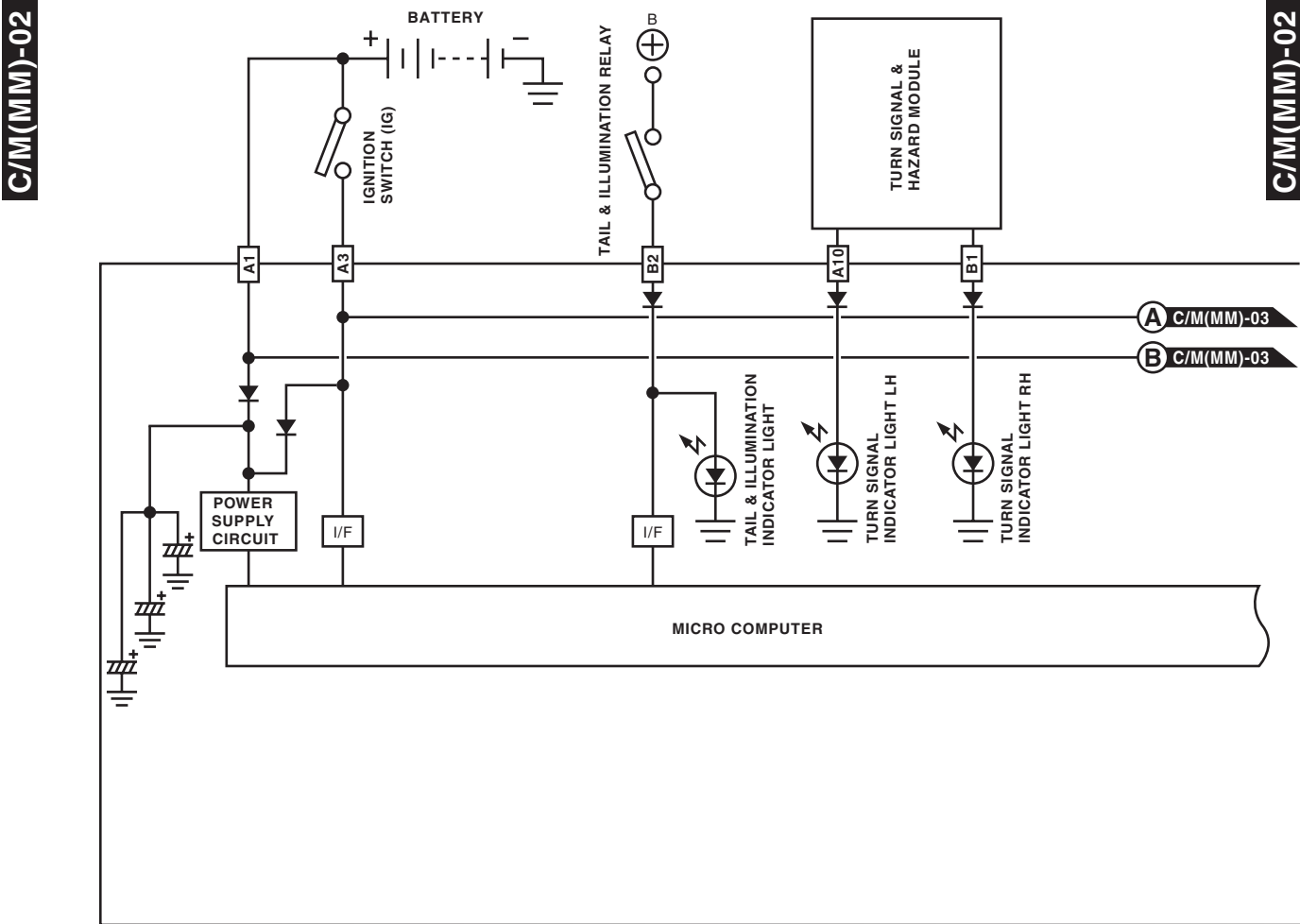
C/M(MM)-01

C/M(MM)-01

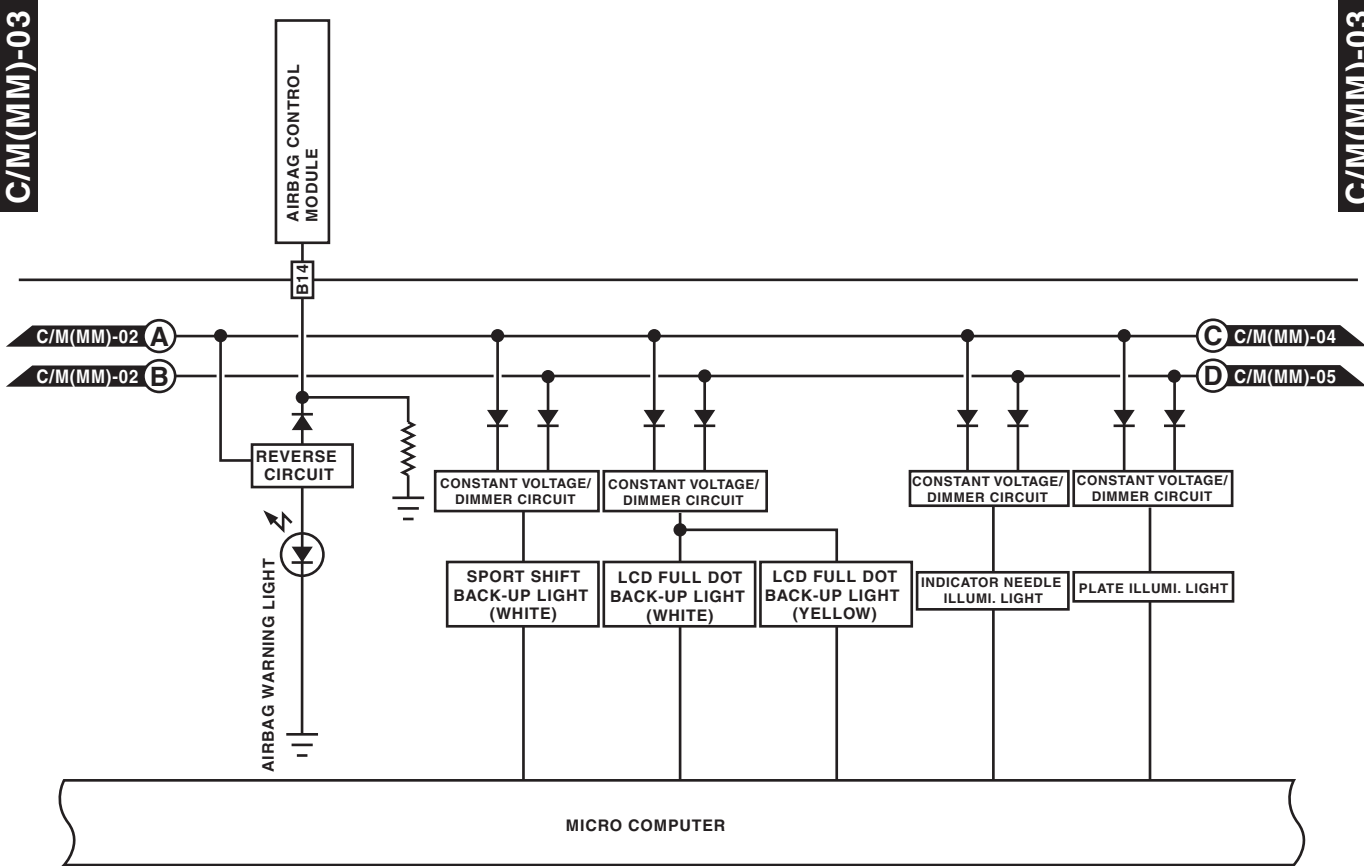


Combination Meter System

WIRING SYSTEM

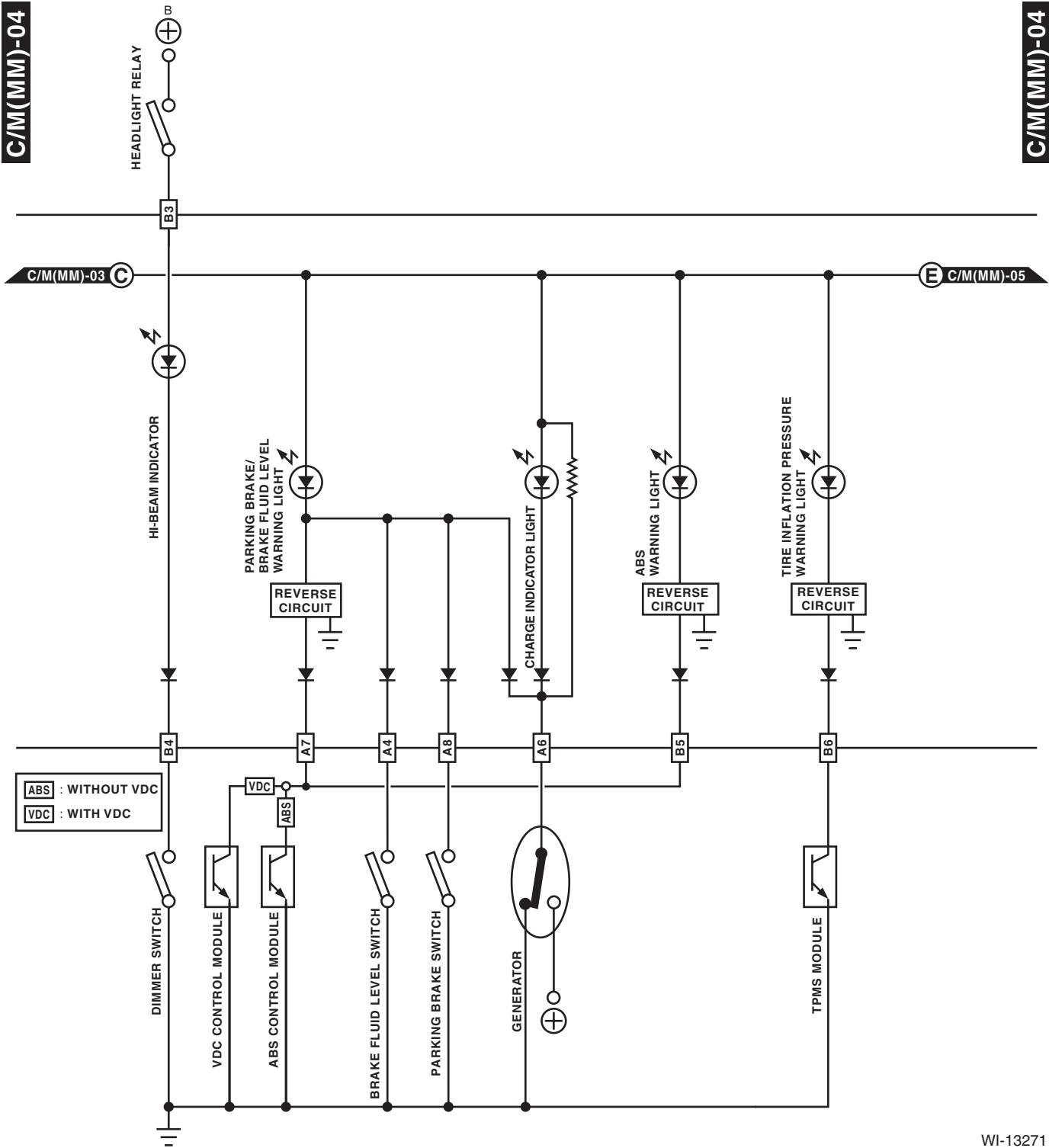


WI-13269



Combination Meter System

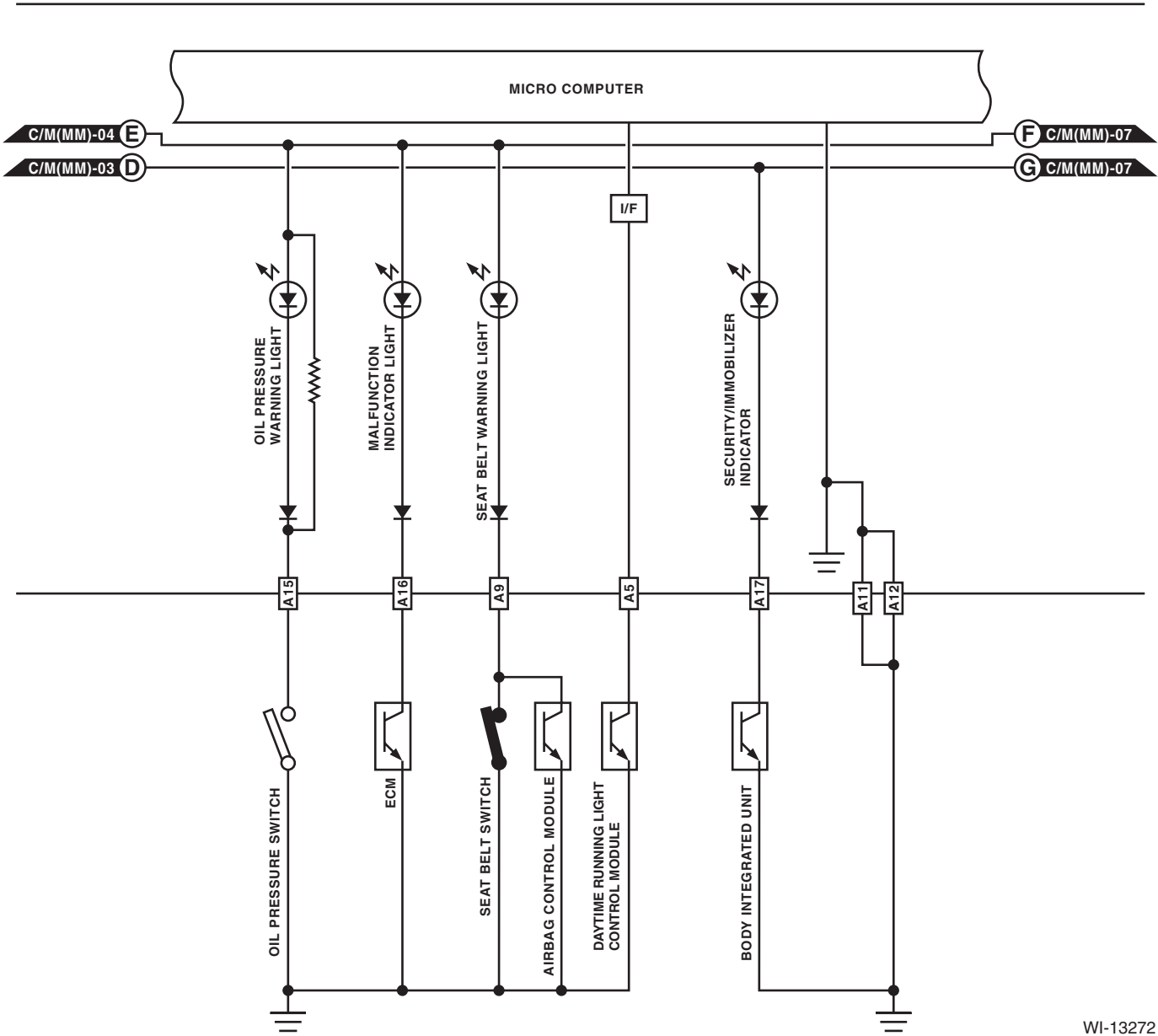
WIRING SYSTEM



WI-13271

C/M(MM)-05

C/M(MM)-05



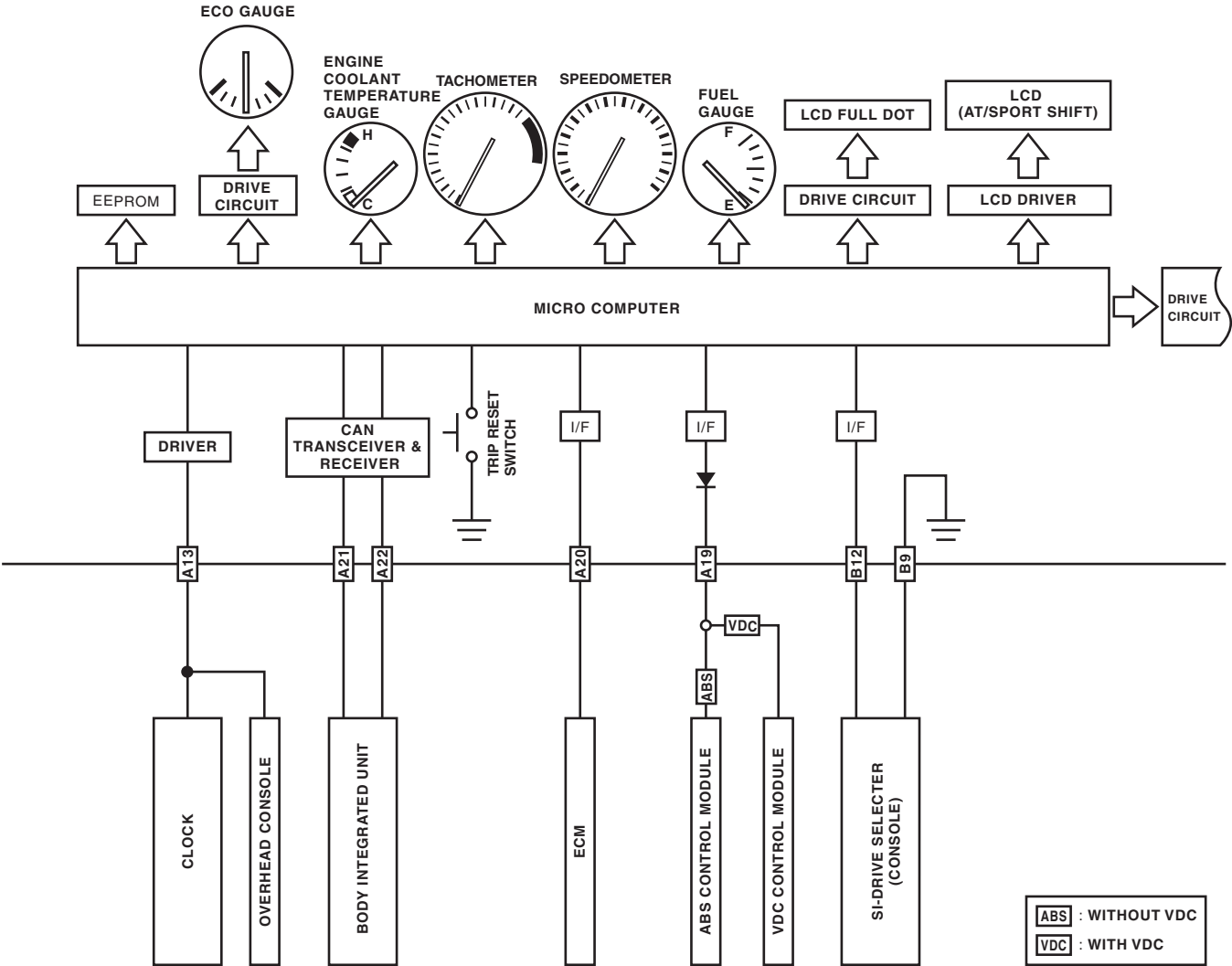
WI-13272

Combination Meter System

WIRING SYSTEM

C/M(MM)-06

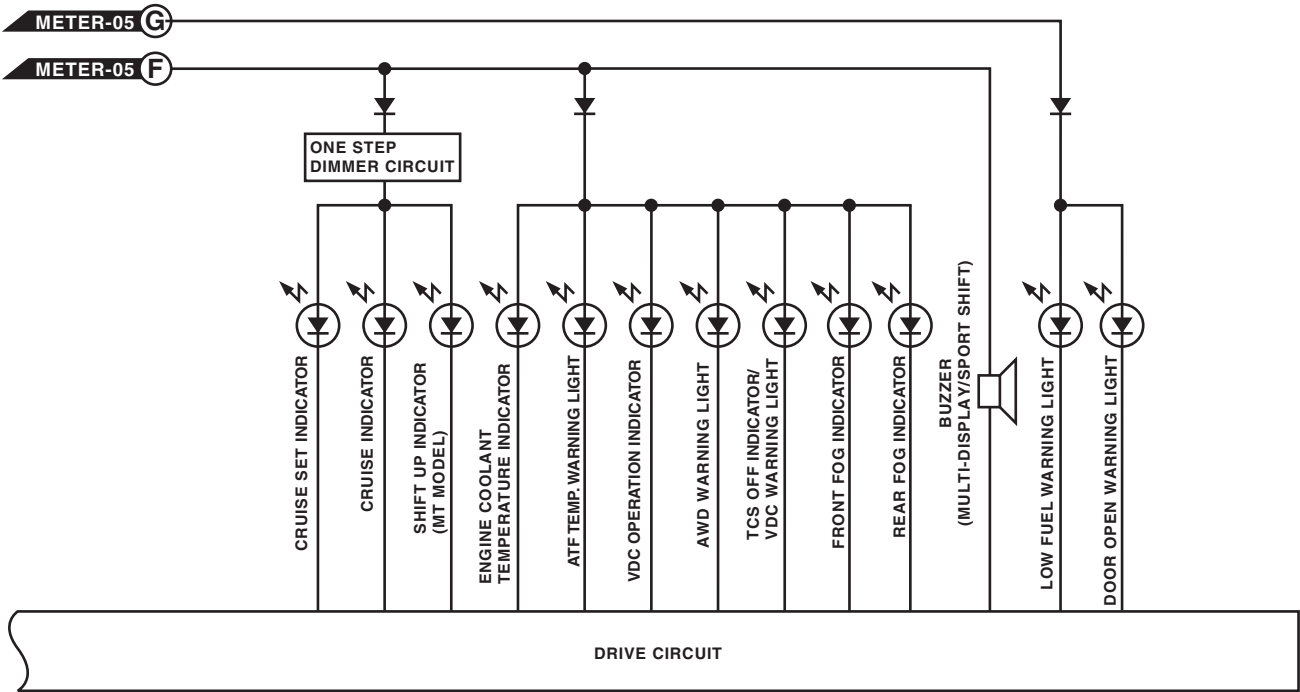
C/M(MM)-06



WI-13273

C/M(MM)-07

C/M(MM)-07

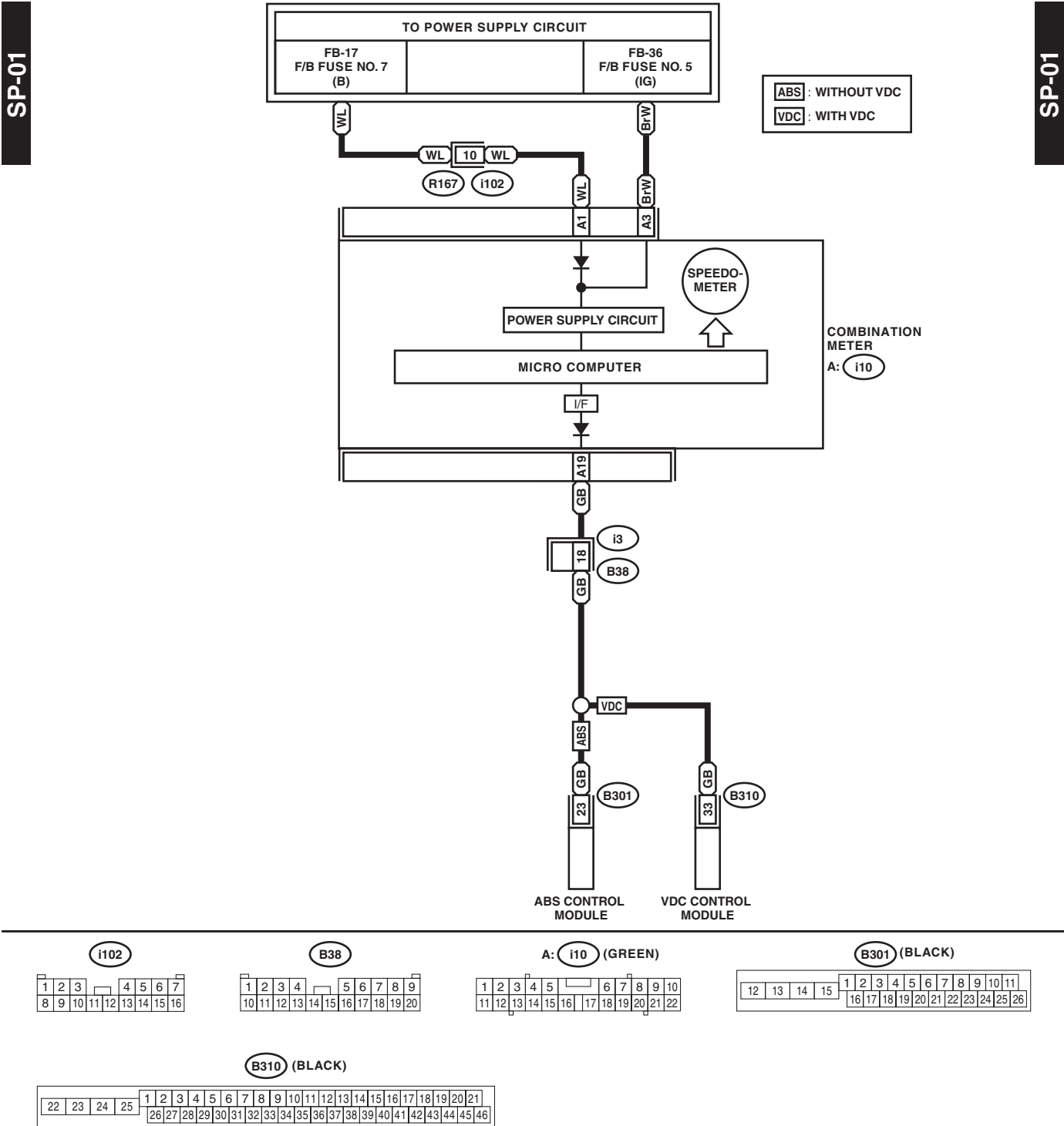


Speedometer System

WIRING SYSTEM

41.Speedometer System

A: WIRING DIAGRAM

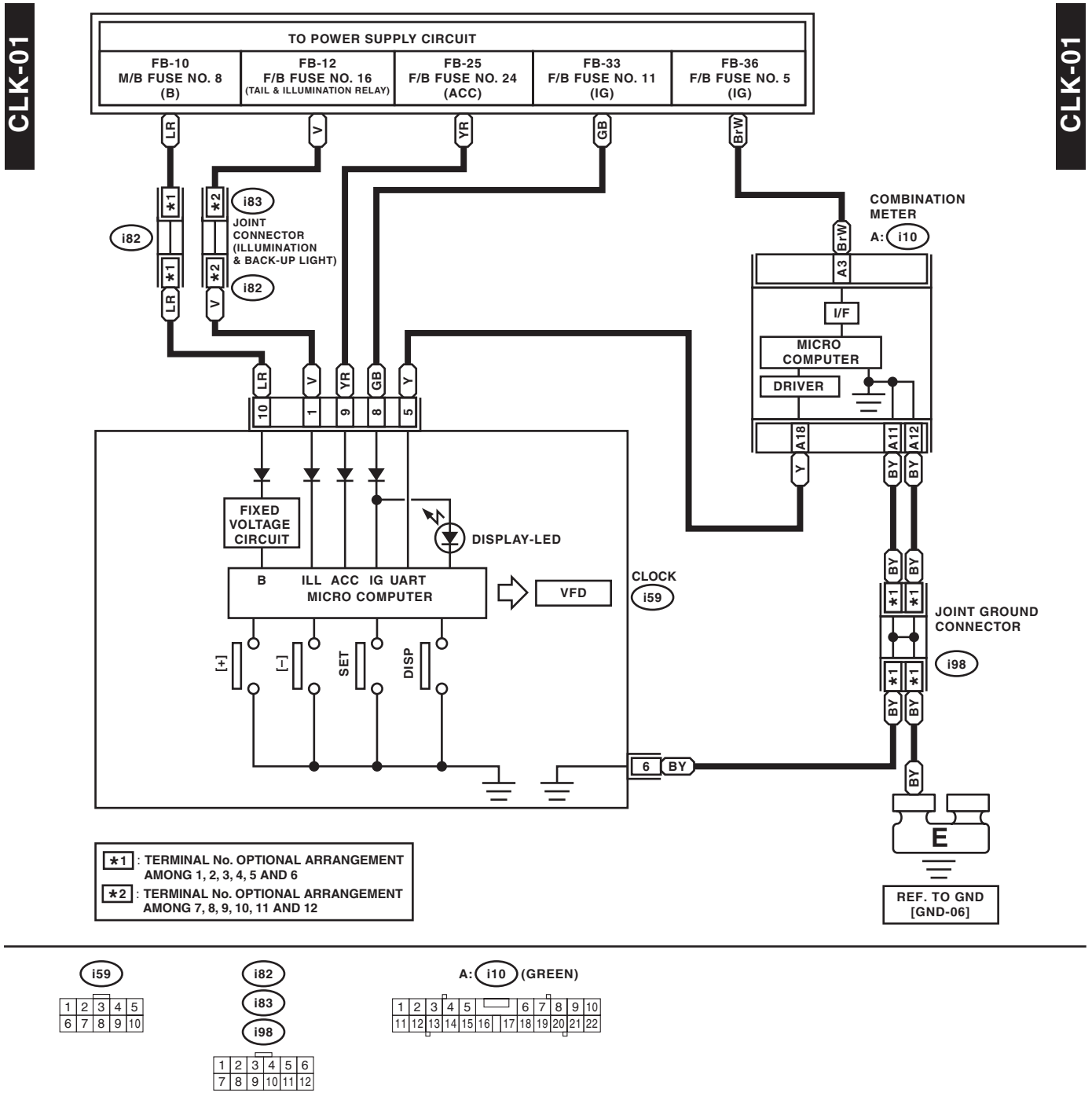


WI-13275

42.Clock System

A: WIRING DIAGRAM

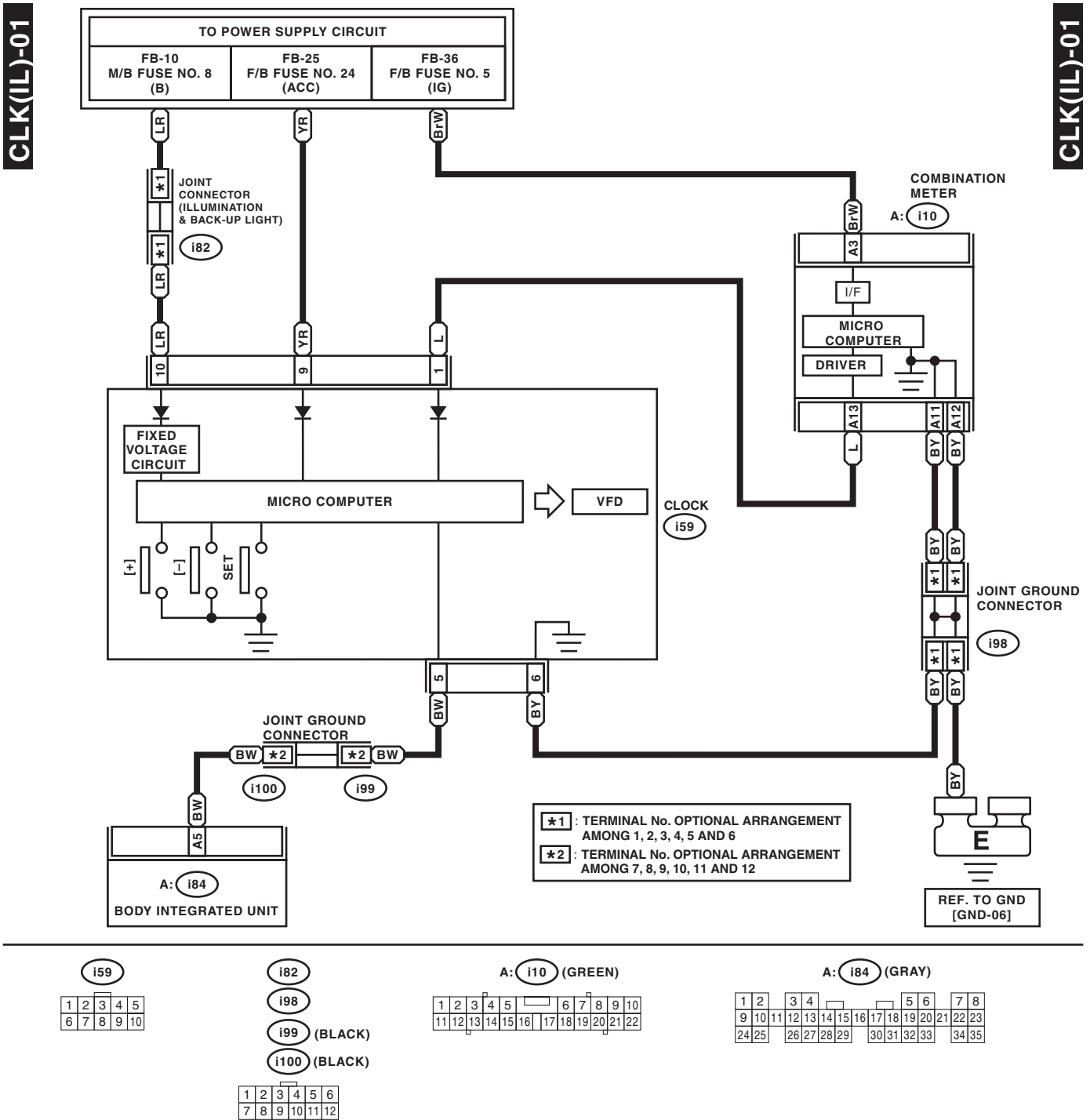
1. WITH FUEL GAUGE, AMBIENT AIR TEMPERATURE, RESIDUAL DRIVEN DISPLAY



Clock System

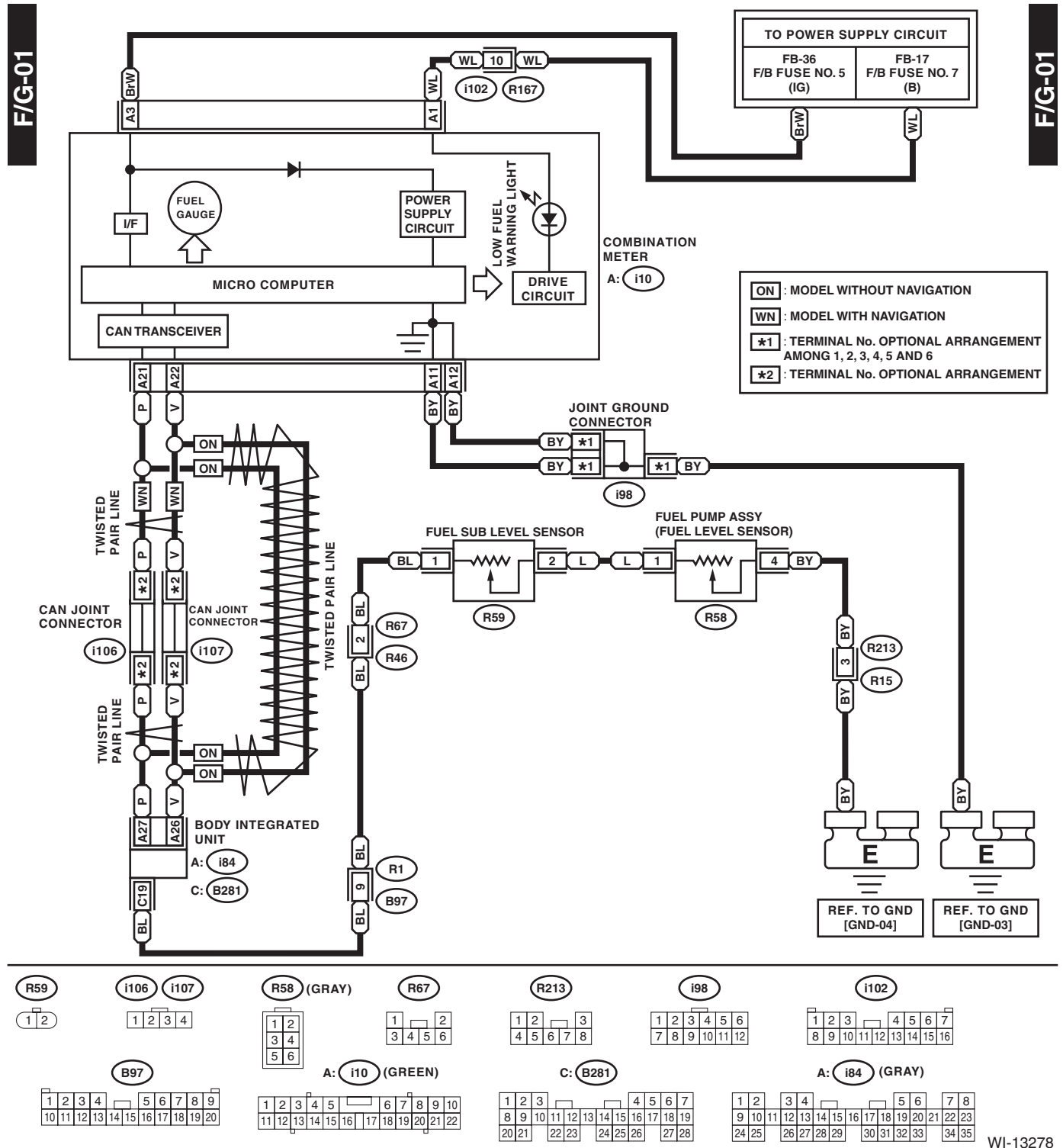
WIRING SYSTEM

2. ONLY CLOCK DISPLAY (WITH ILLUMINATION CONTROL)



43. Fuel Gauge System

A: WIRING DIAGRAM

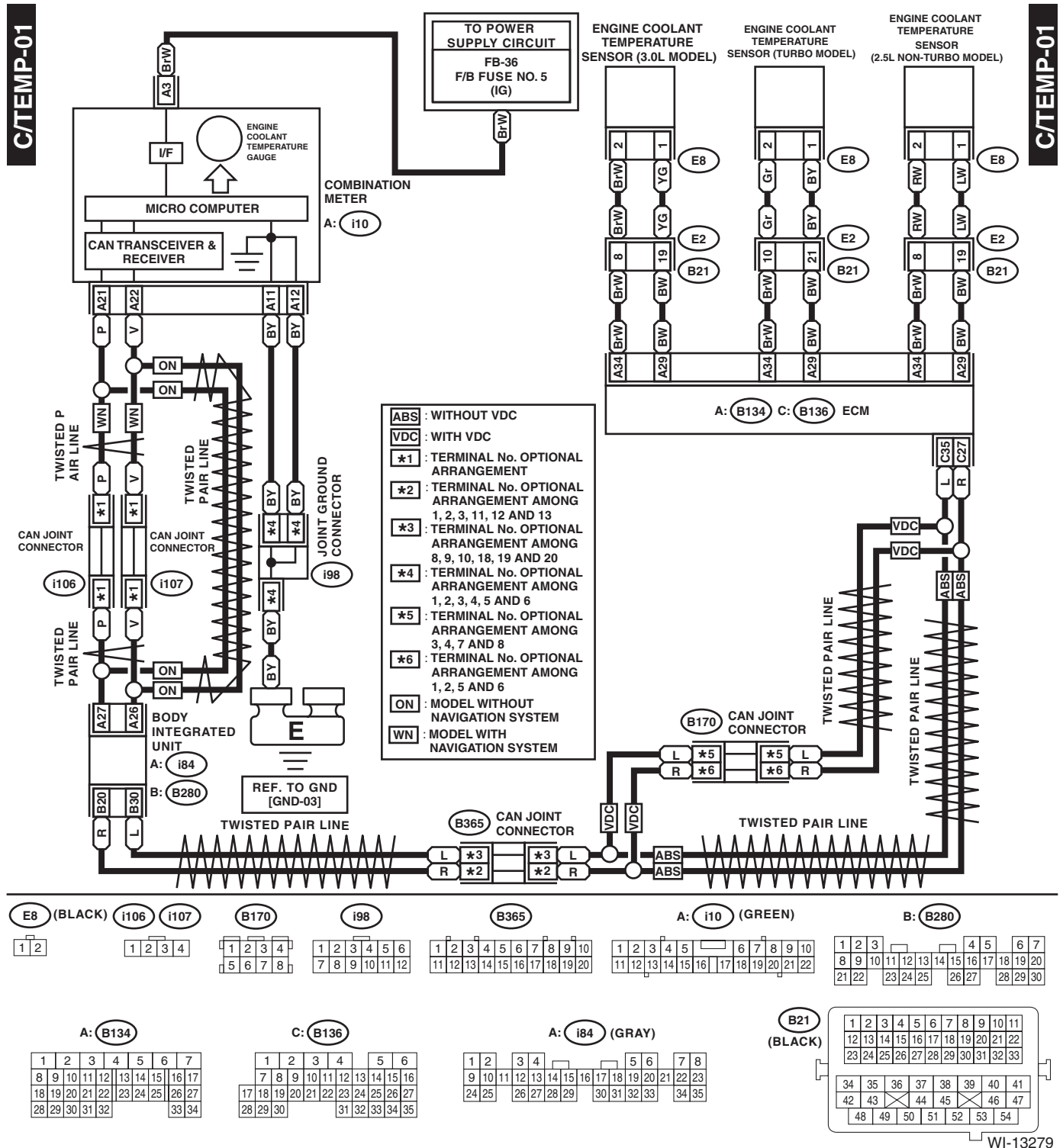


Coolant Temperature System

WIRING SYSTEM

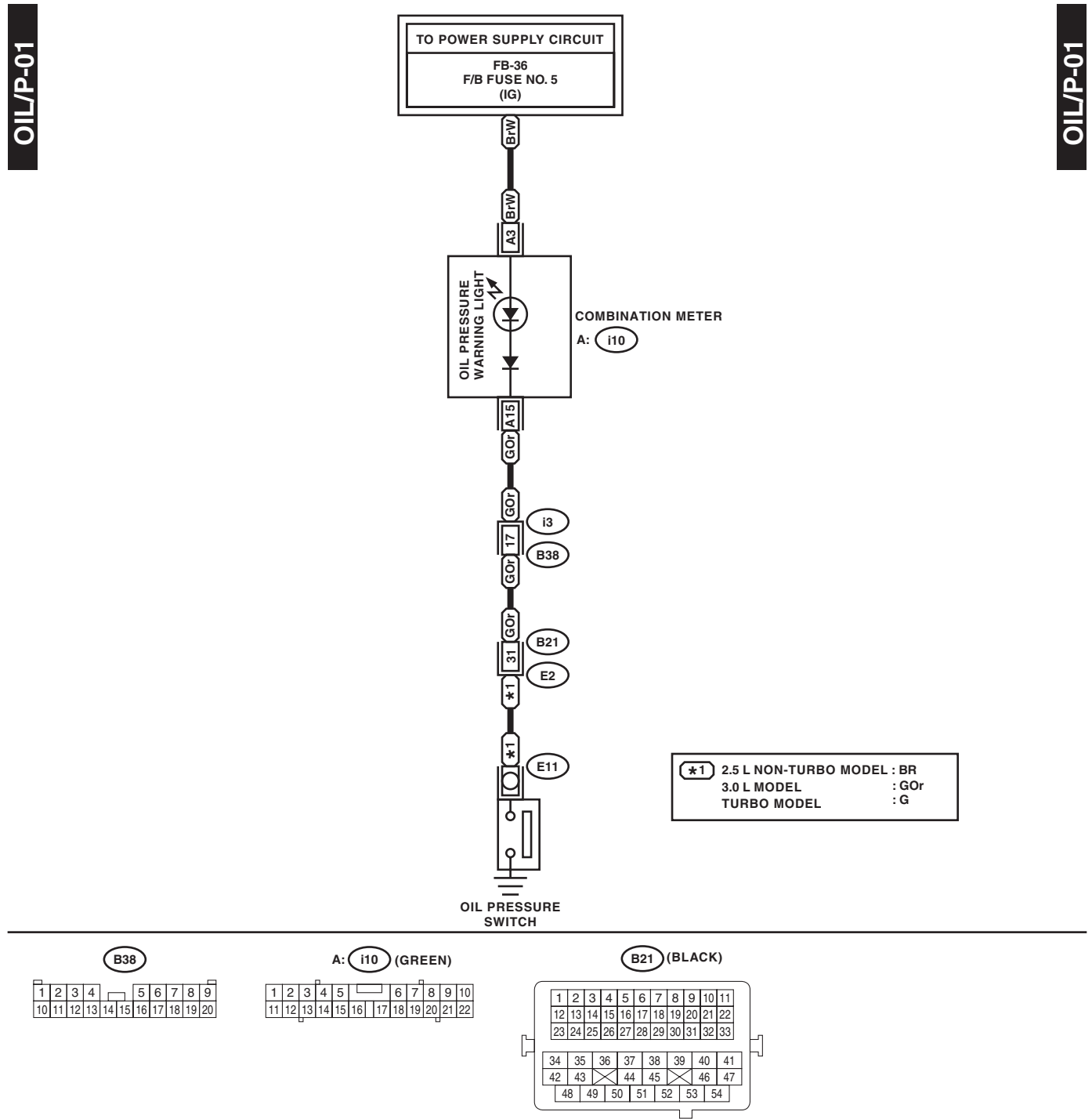
44.Coolant Temperature System

A: WIRING DIAGRAM



45.Oil Pressure Warning Light System

A: WIRING DIAGRAM

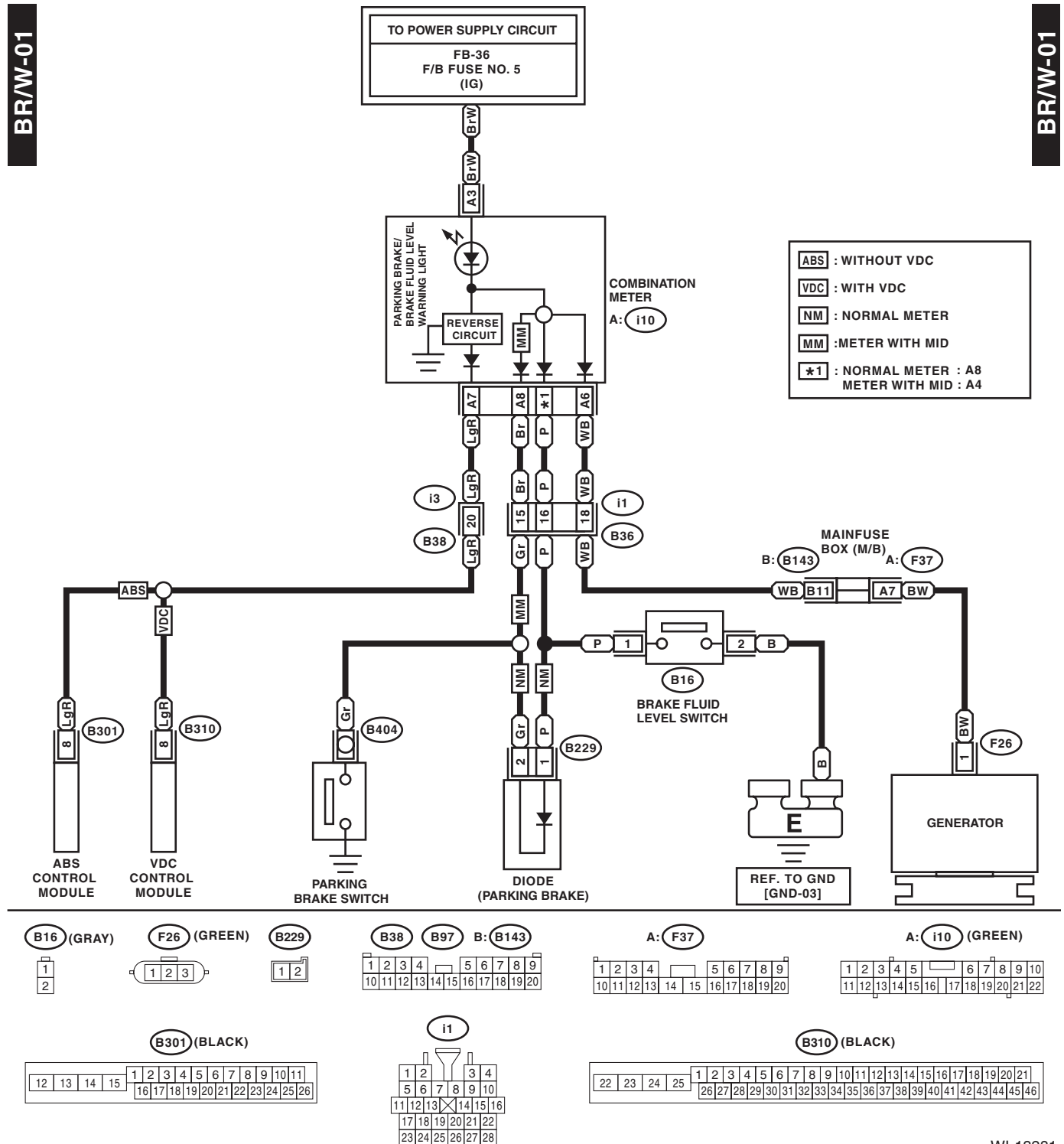


Parking Brake / Brake Fluid Level Warning Light System

WIRING SYSTEM

46. Parking Brake / Brake Fluid Level Warning Light System

A: WIRING DIAGRAM

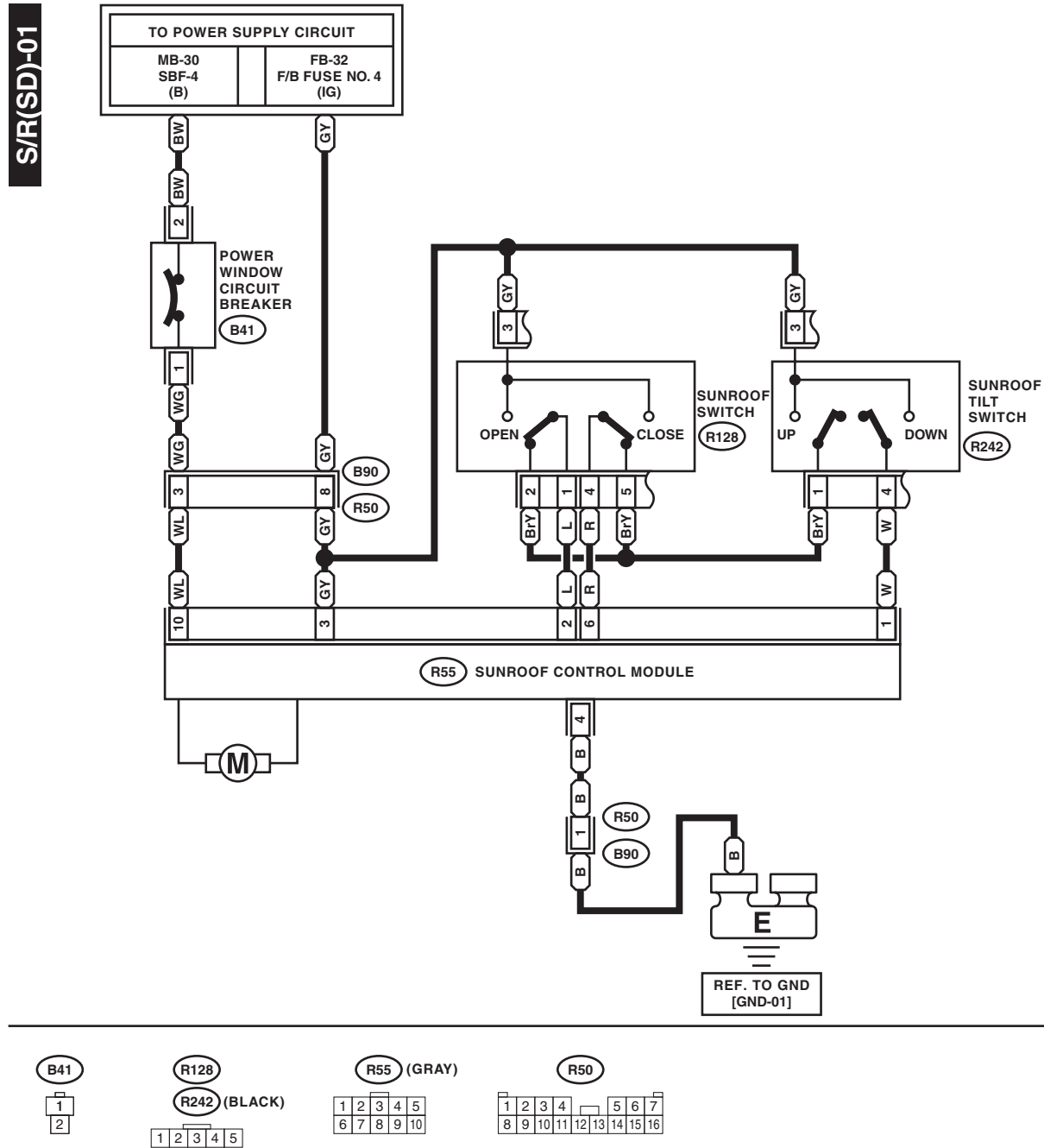


WI-13281

47.Sunroof Control System

A: WIRING DIAGRAM

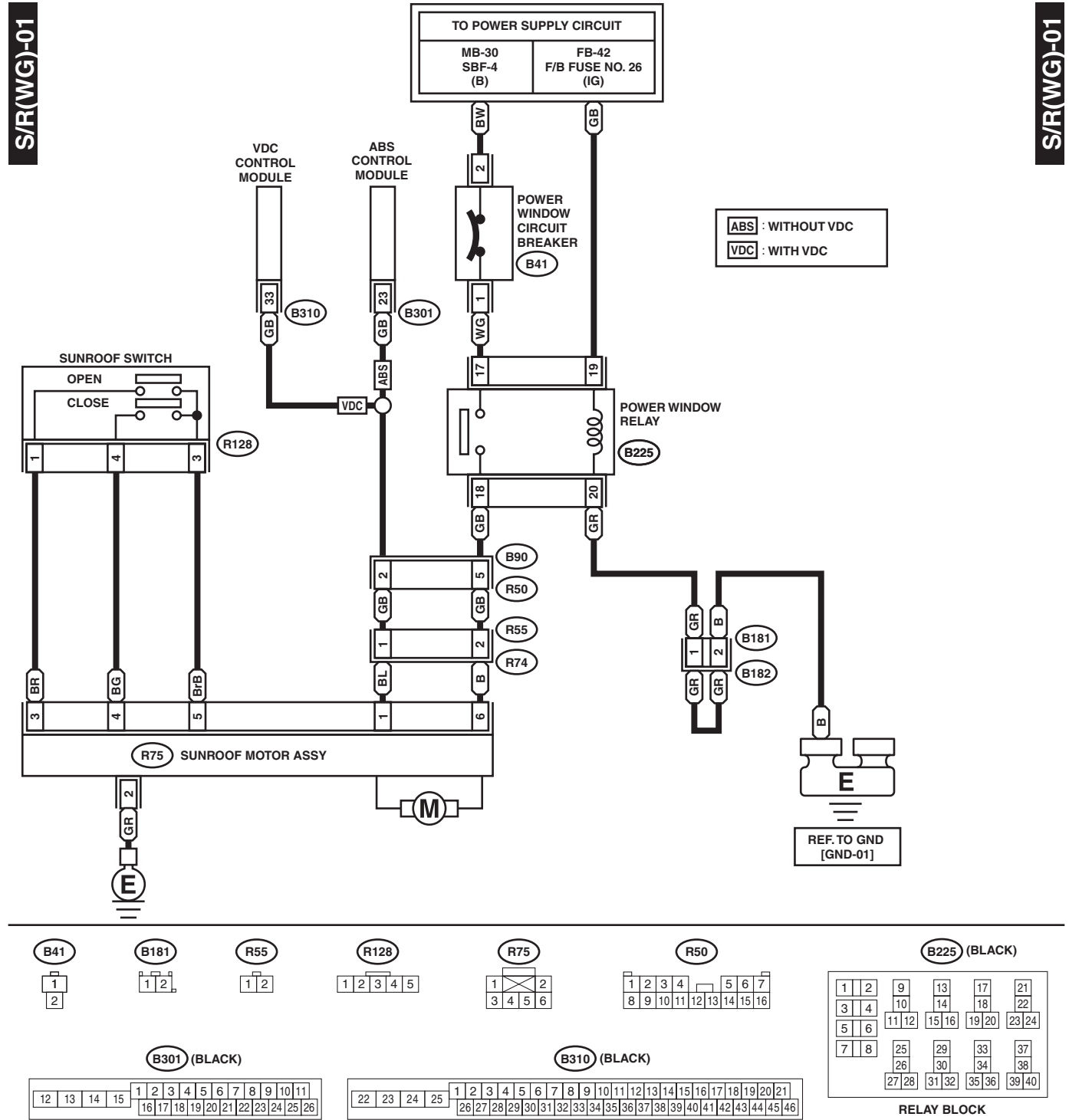
1. SEDAN MODEL



Sunroof Control System

WIRING SYSTEM

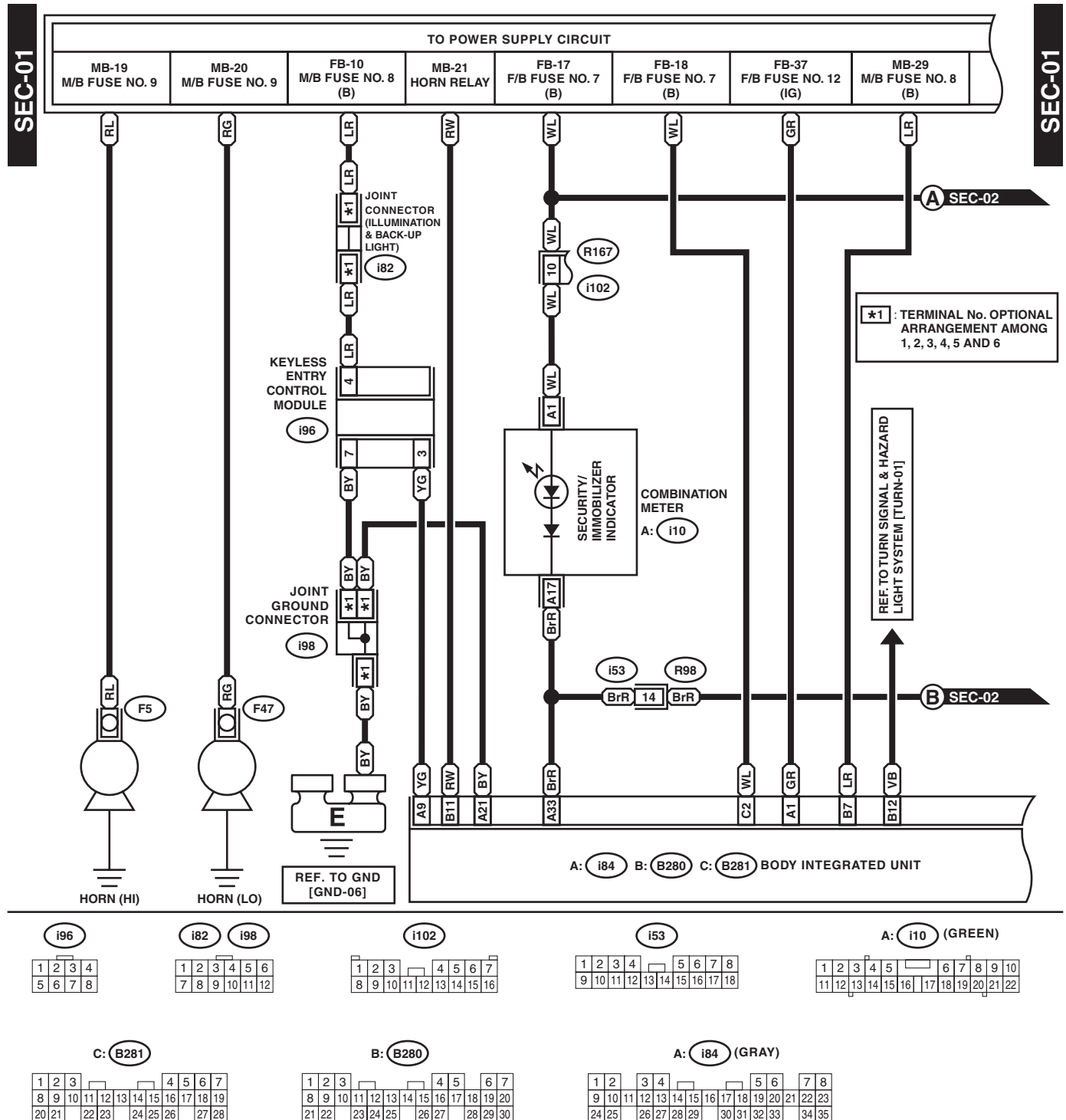
2. WAGON MODEL



WI-18655

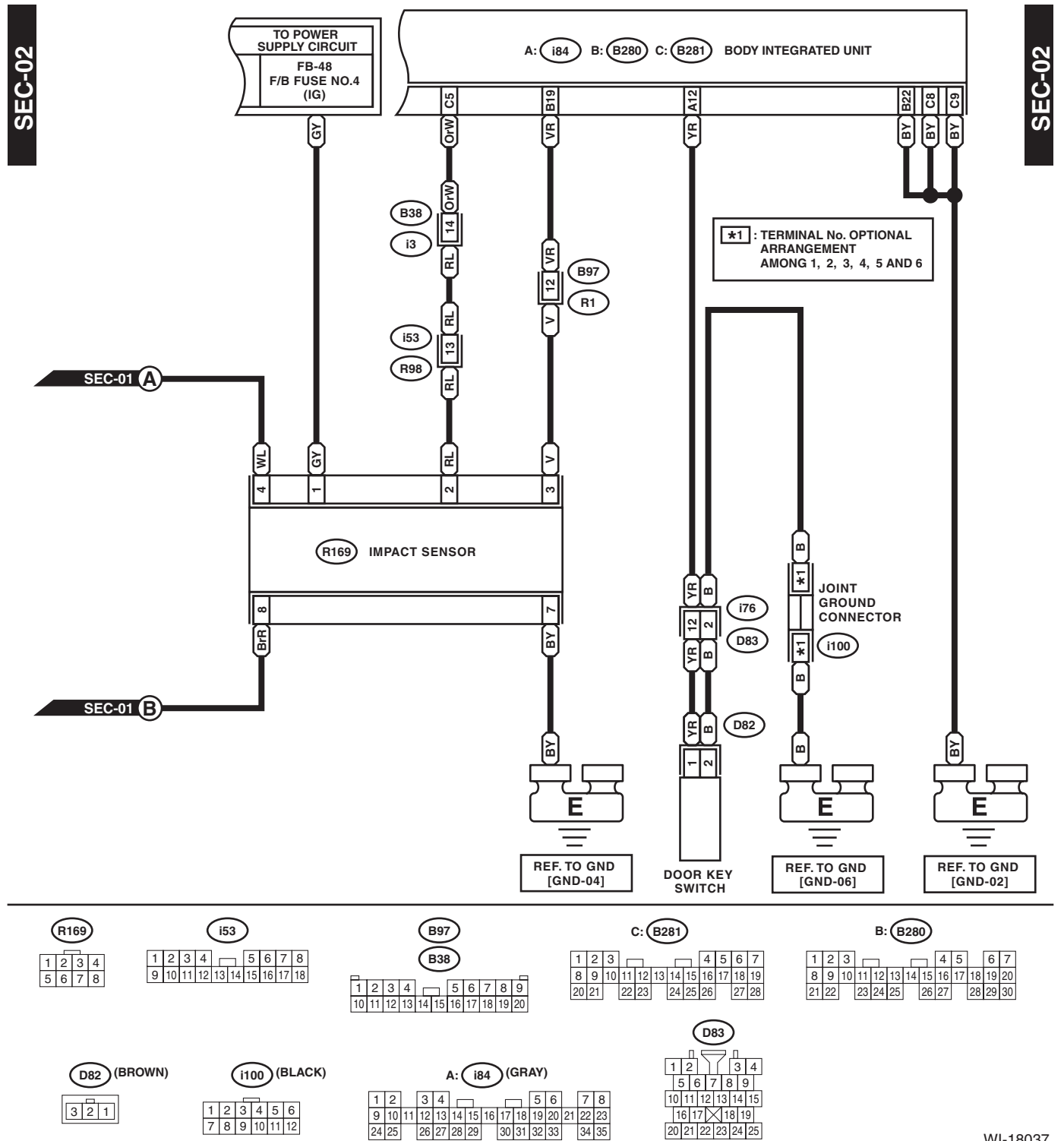
48.Security System

A: WIRING DIAGRAM



Security System

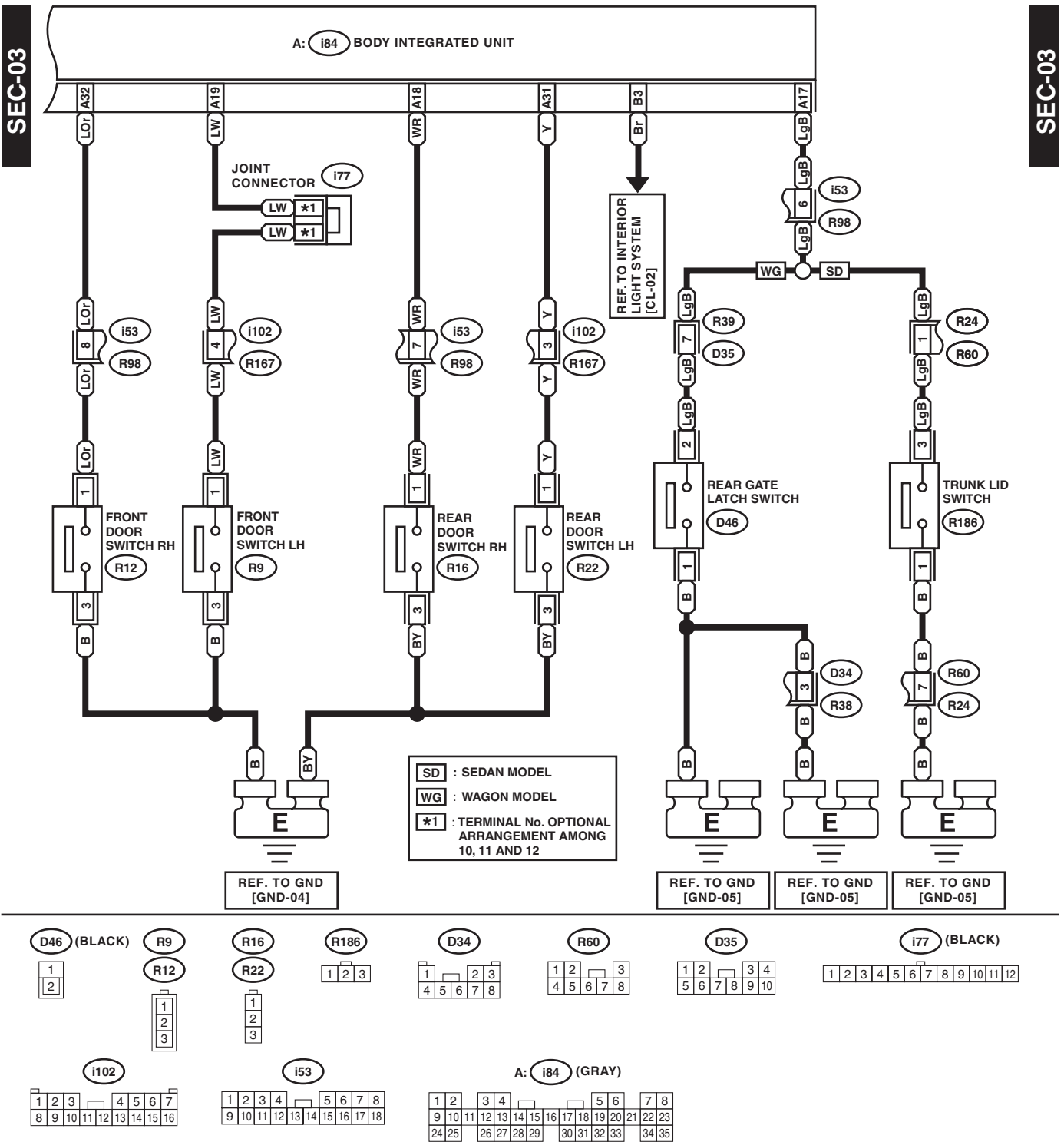
WIRING SYSTEM



WI-18037

SEC-03

SEC-03



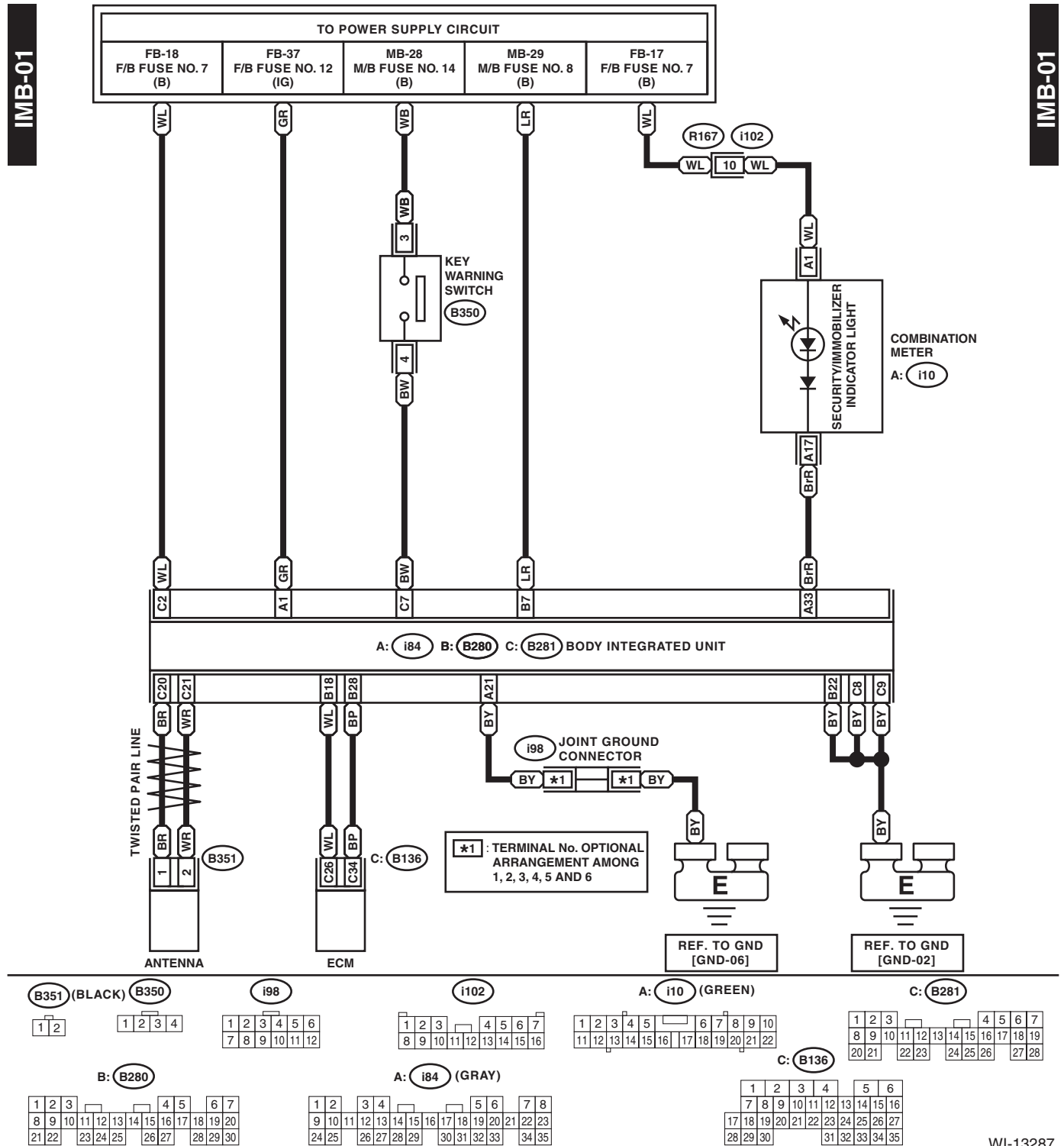
WI-13286

Immobilizer System

WIRING SYSTEM

49. Immobilizer System

A: WIRING DIAGRAM

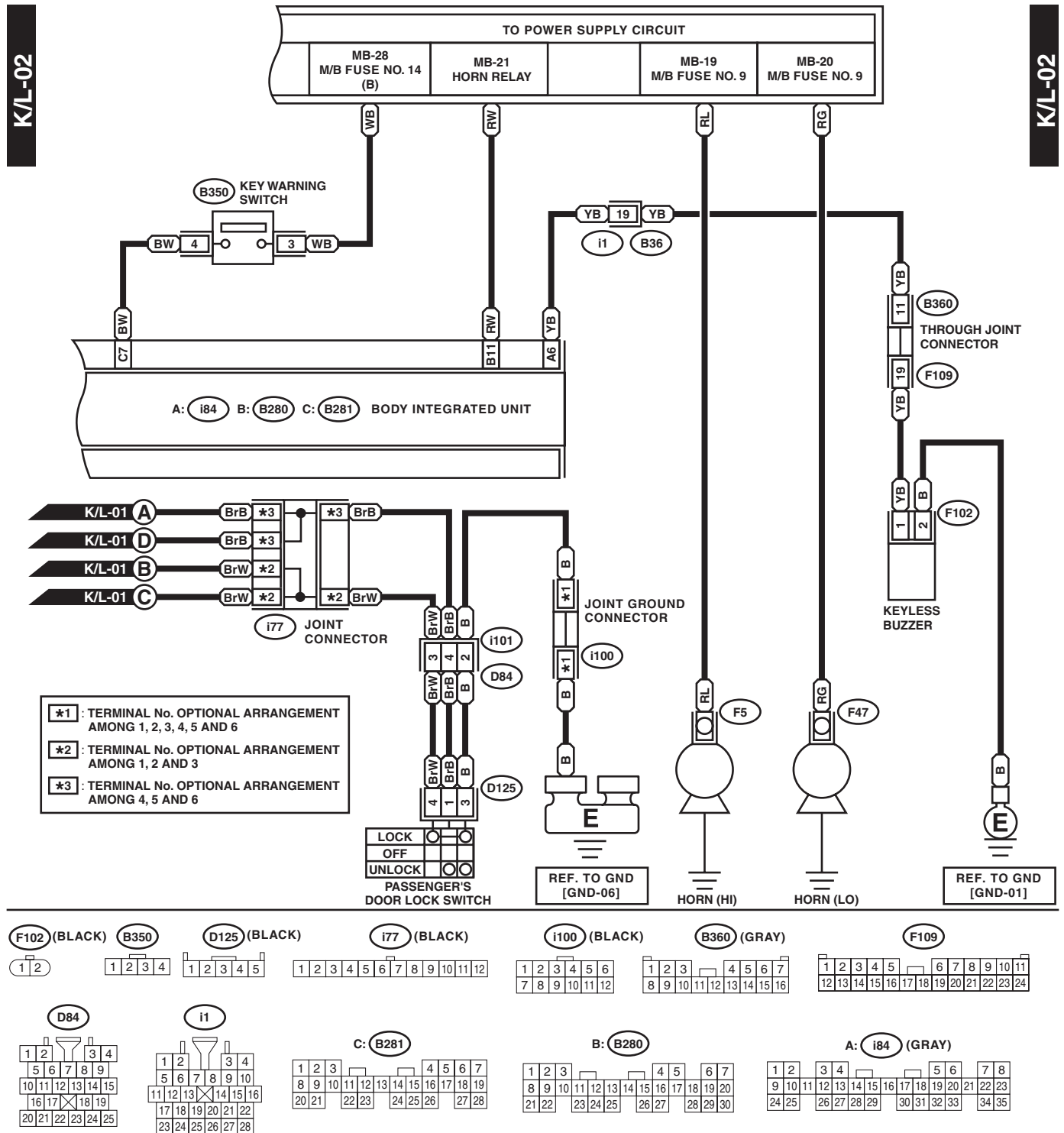


A: WIRING DIAGRAM



Keyless Entry System

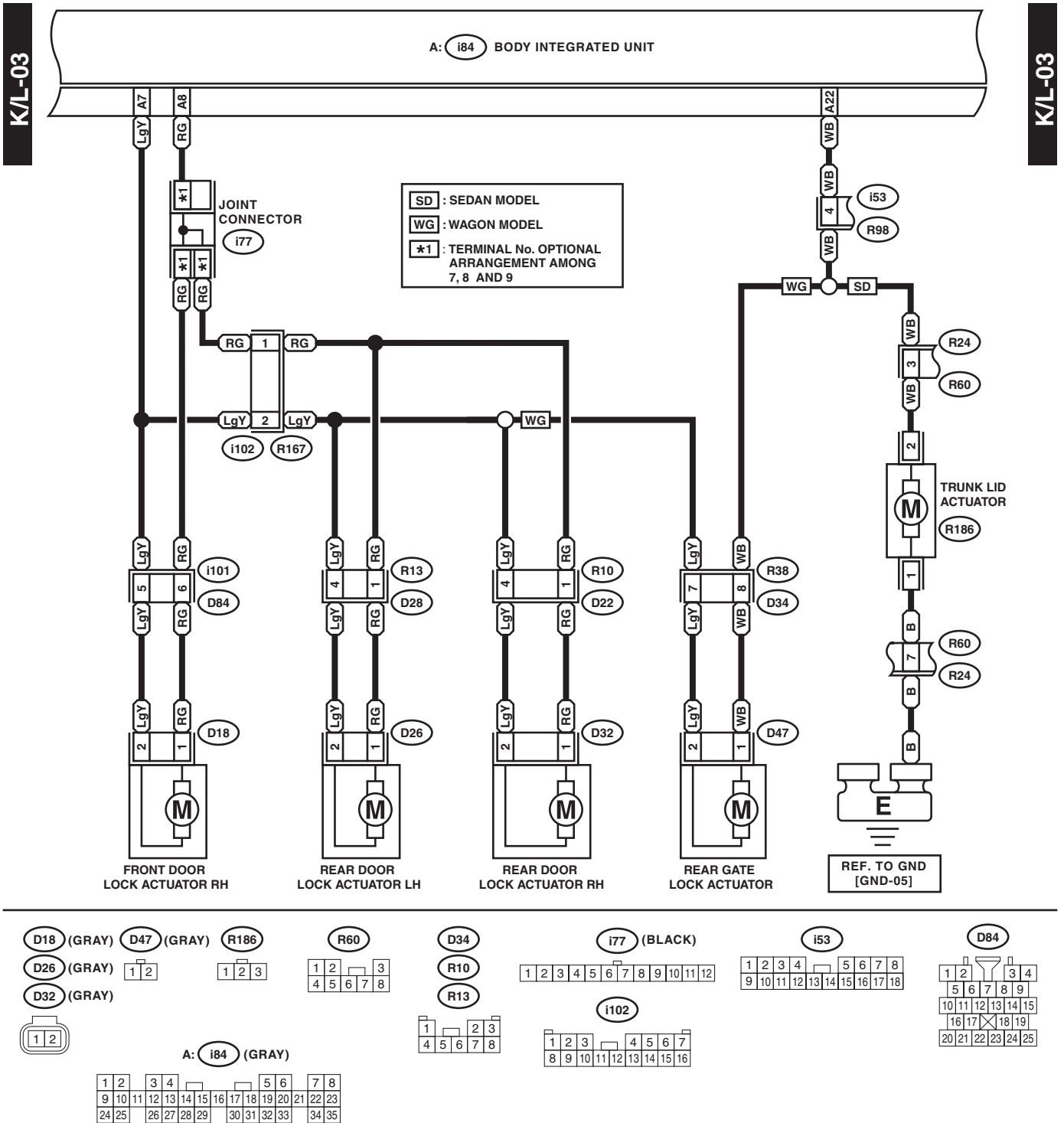
WIRING SYSTEM



WI-13289

Keyless Entry System

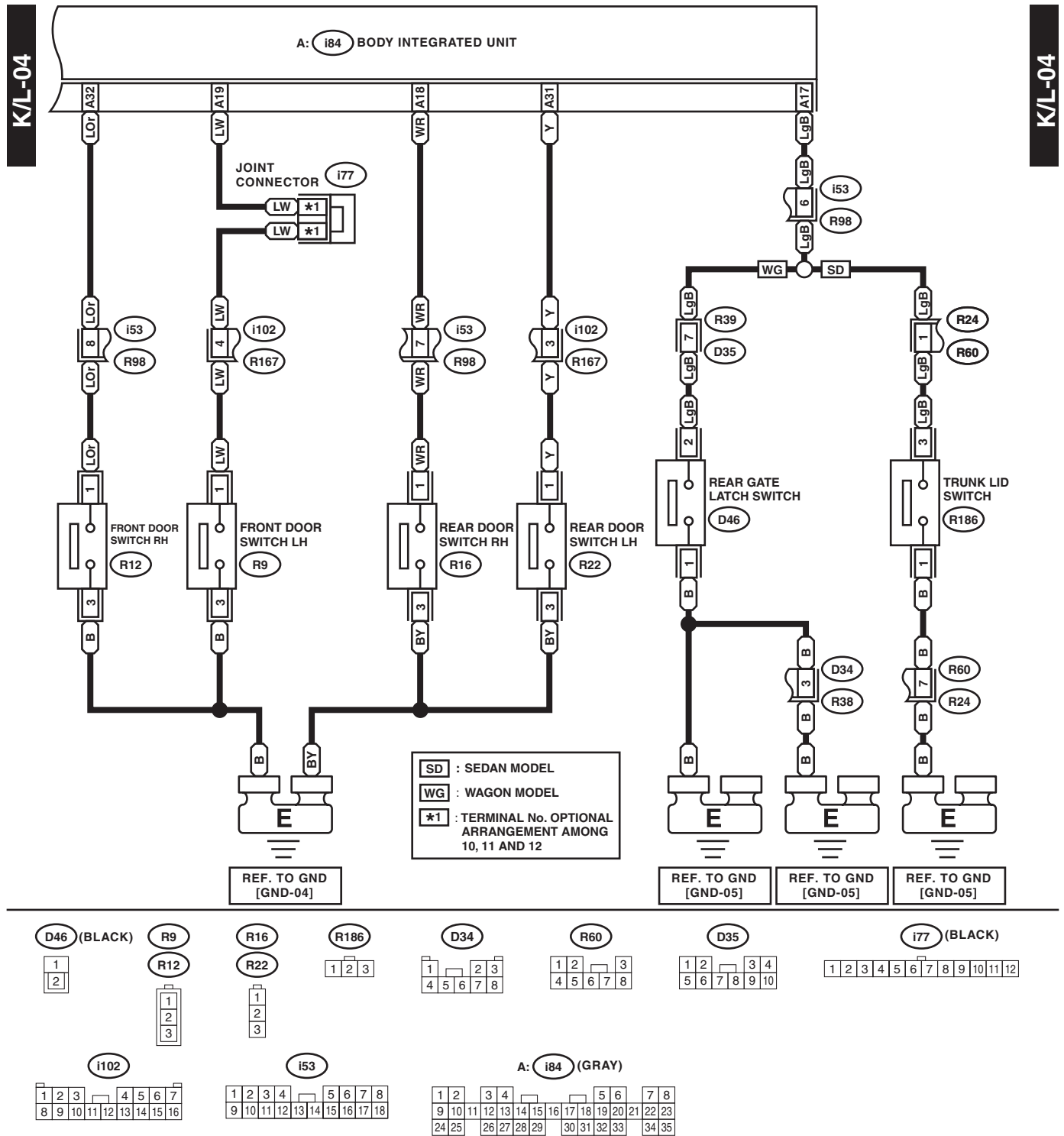
WIRING SYSTEM



WI-13290

Keyless Entry System

WIRING SYSTEM

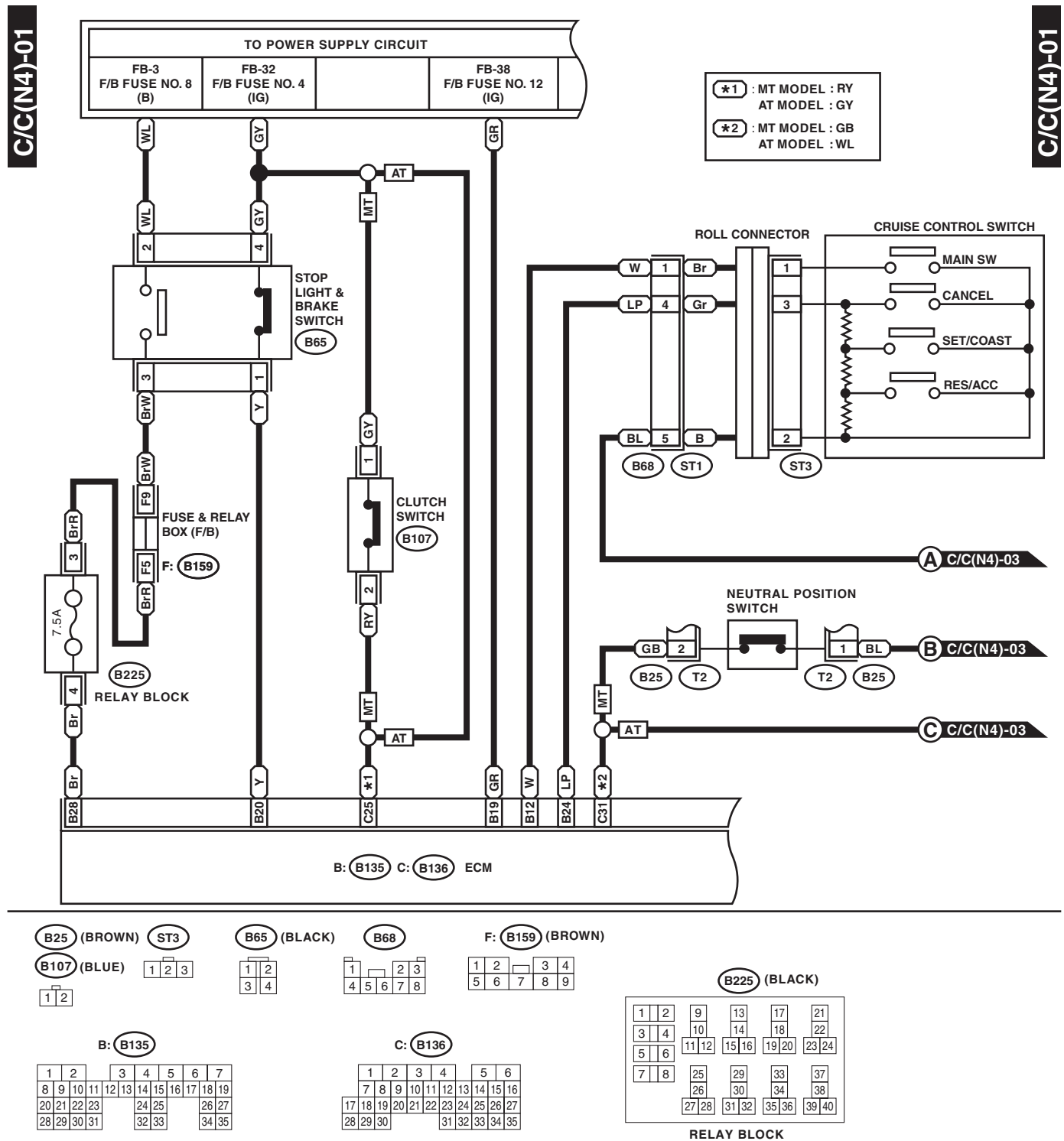


WI-13291

51. Cruise Control System

A: WIRING DIAGRAM

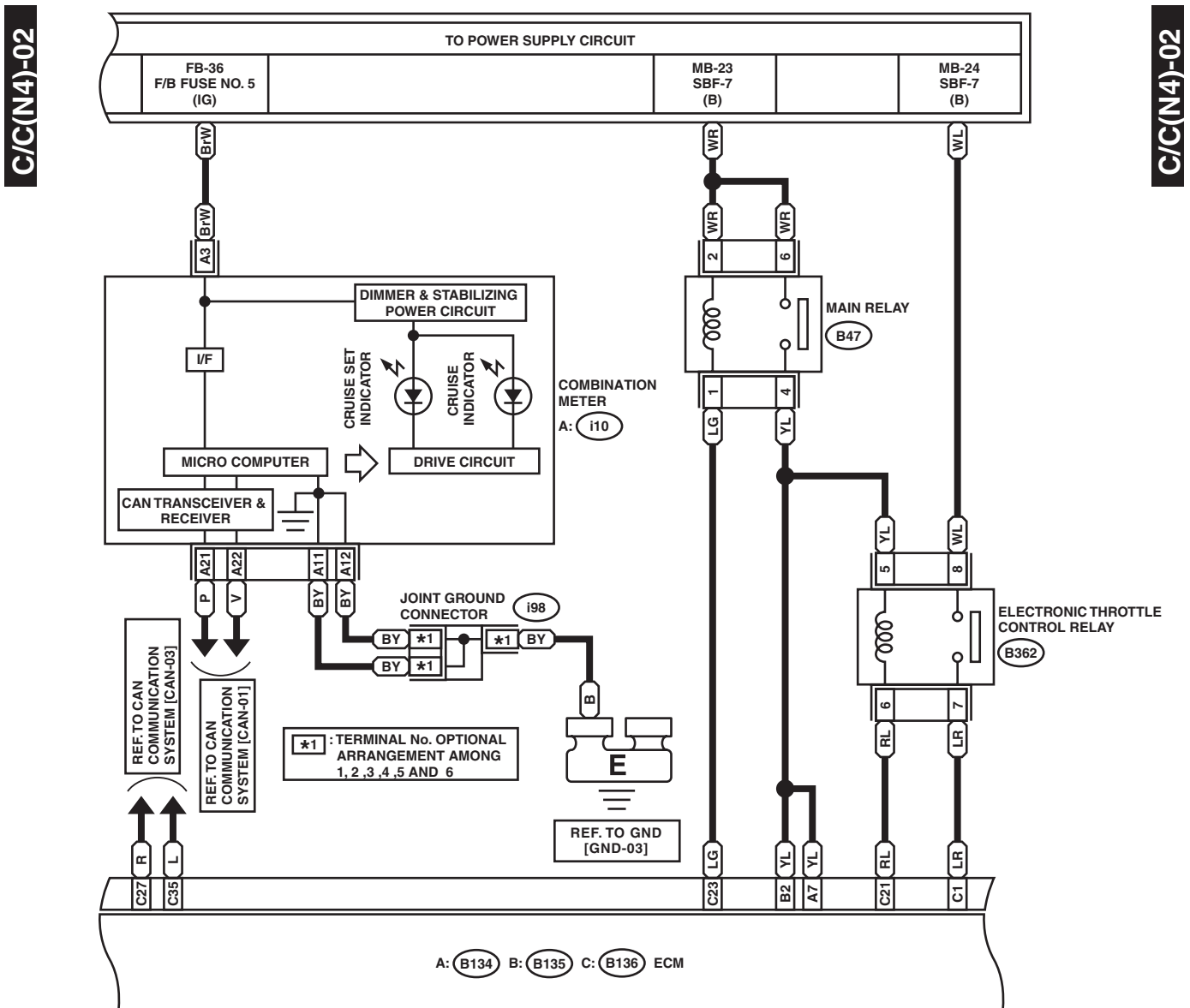
1. 2.5 L NON-TURBO MODEL



WI-13292

Cruise Control System

WIRING SYSTEM



B47 (BROWN)

1	2
3	4
5	6

B362 (BLACK)

1	2	3	4
5	6	7	8

RELAY HOLDER

I98

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

A: i10 (GREEN)

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

A: B134

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

B: B135

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

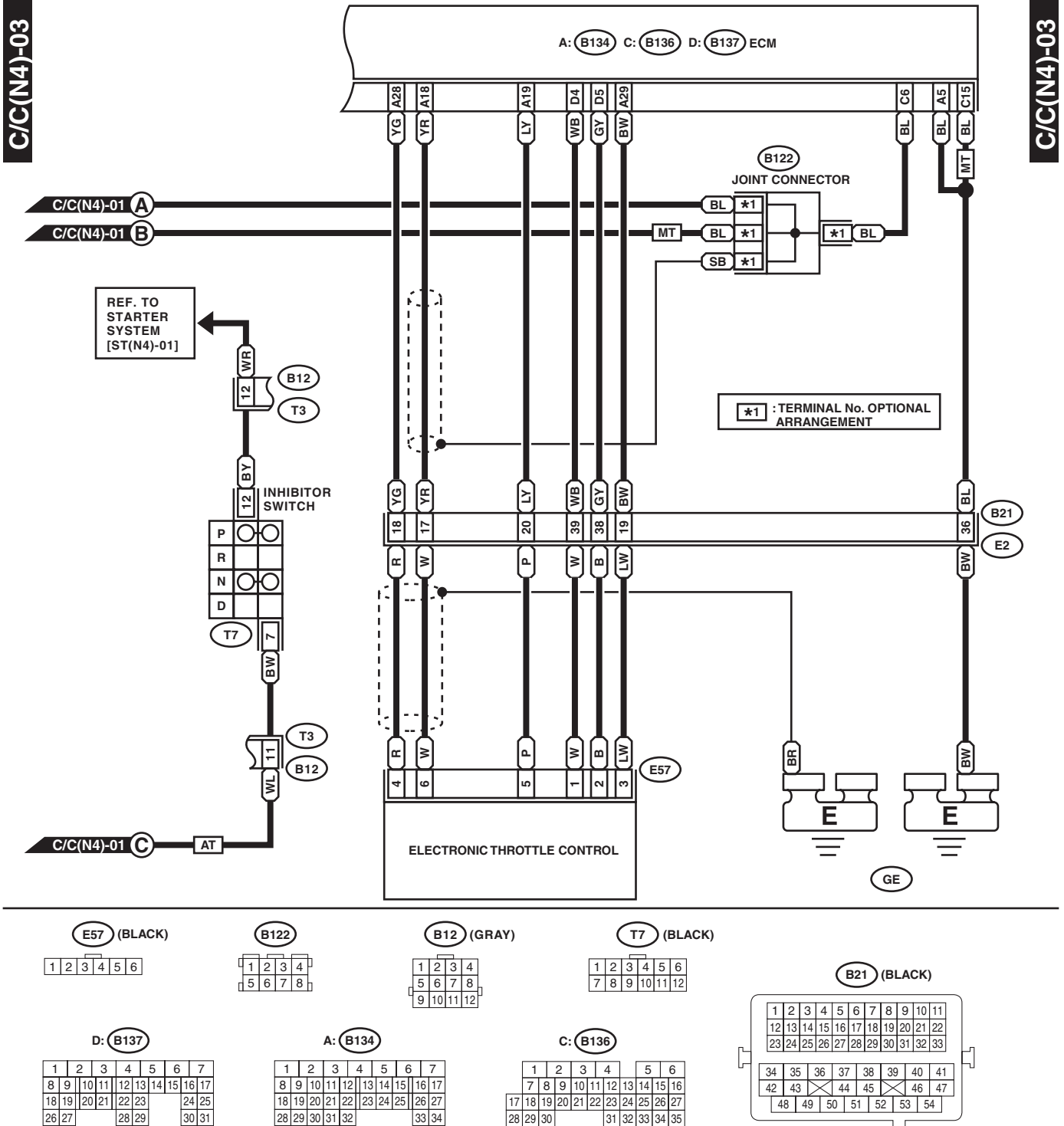
C: B136

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

WI-13293

Cruise Control System

WIRING SYSTEM

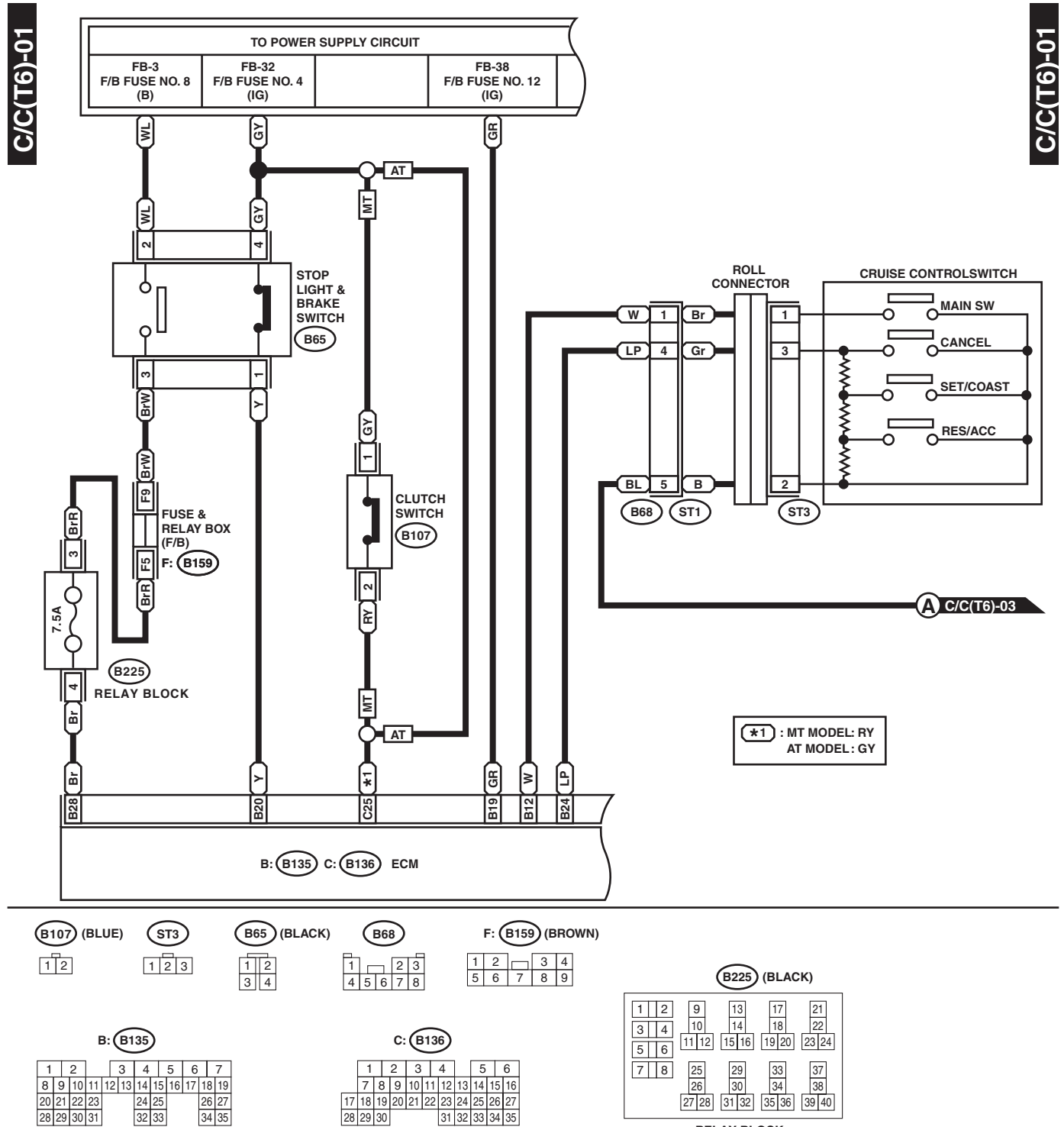


WI-13294

Cruise Control System

WIRING SYSTEM

2. 2.5L TURBO MODEL AND 3.0 L MODEL



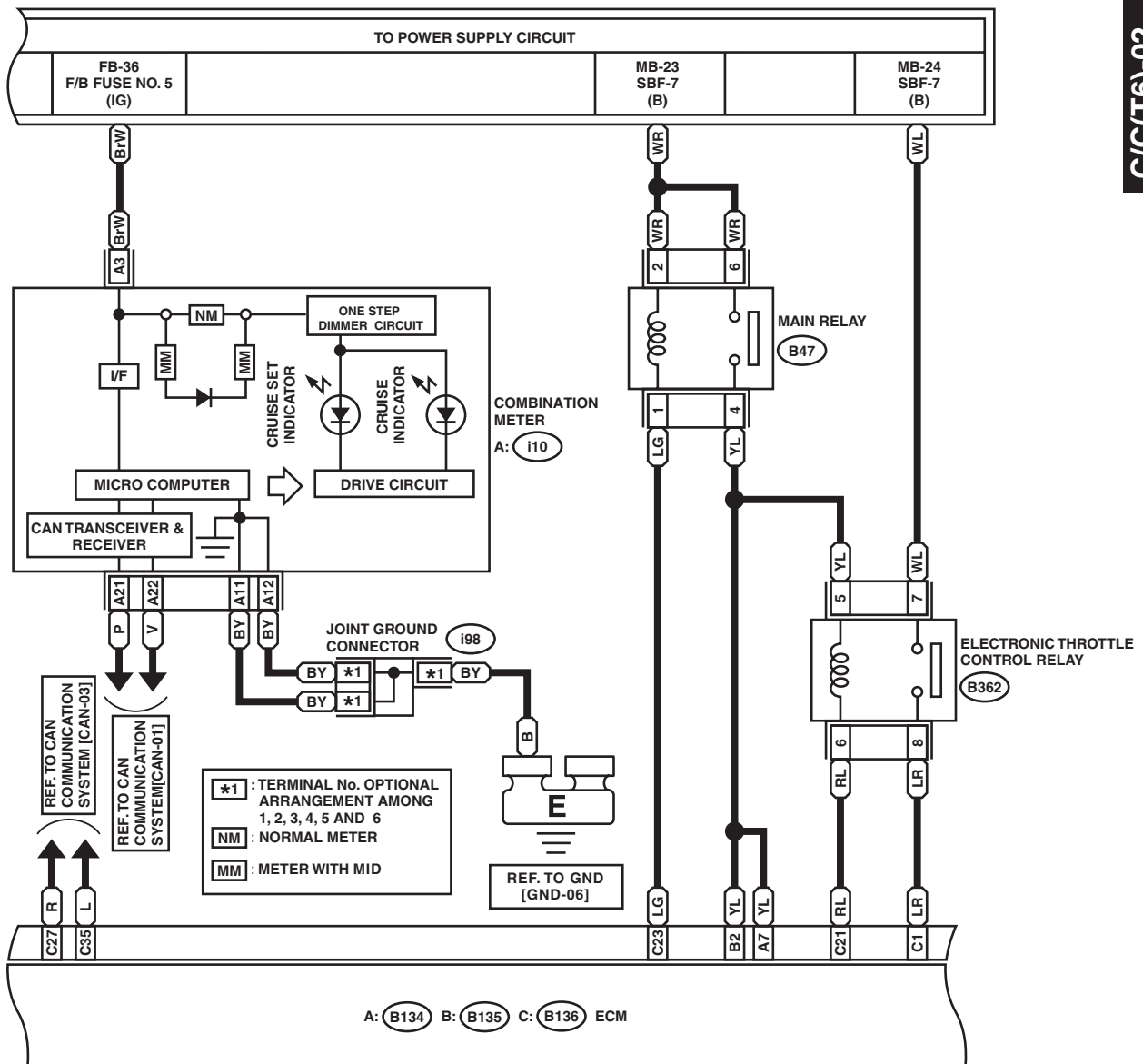
WI-13295

Cruise Control System

WIRING SYSTEM

C/C(T6)-02

C/C(T6)-02



(B47) (BROWN)

1	2
3	4
5	6

(B362) (BLACK)

1	2	3
4	5	6
7	8	9

RELAY HOLDER

(I98)

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

A: i10 (GREEN)

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

A: (B134)

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

B: (B135)

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

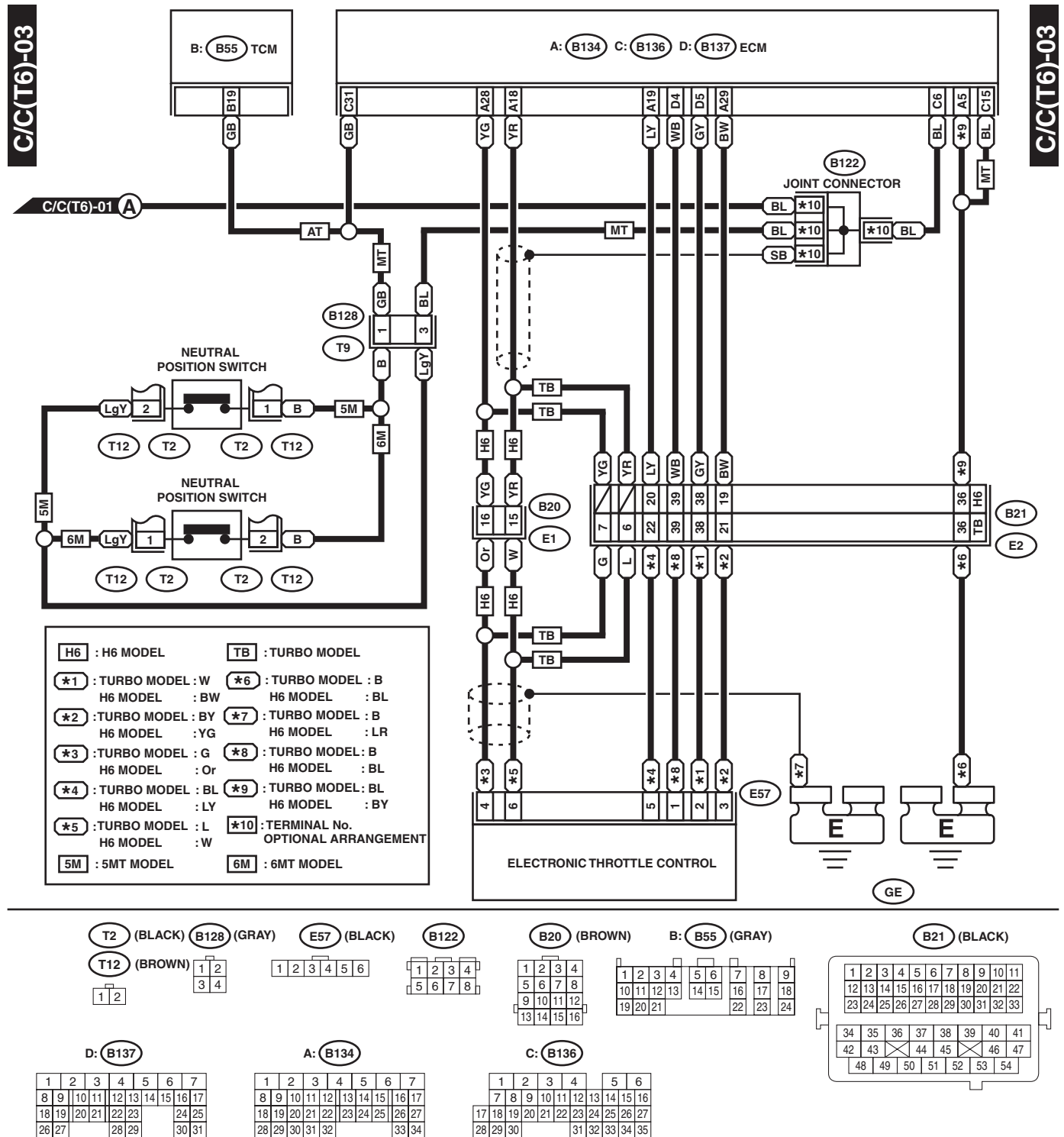
C: (B136)

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

WI-13296

Cruise Control System

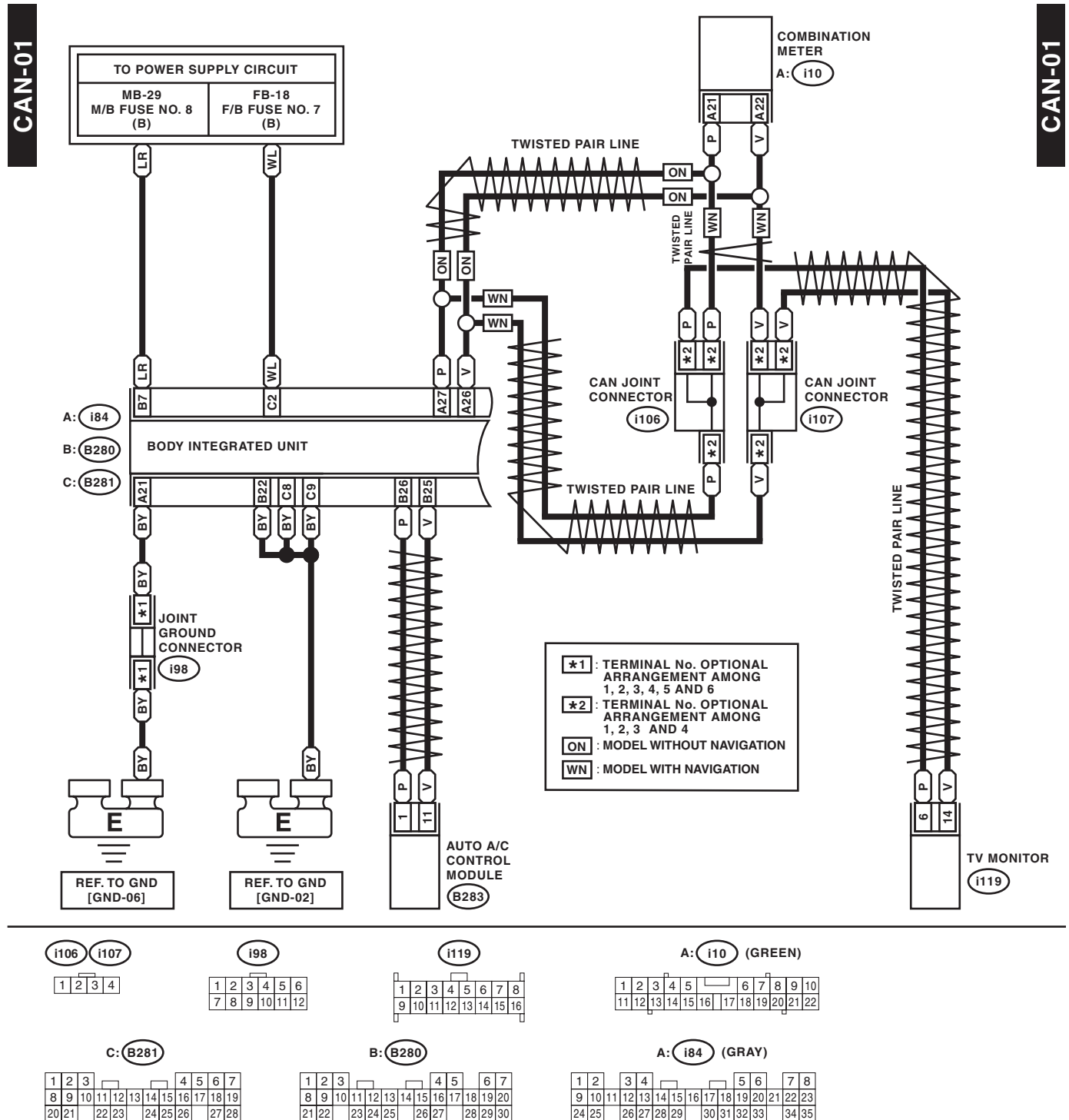
WIRING SYSTEM



WI-13297

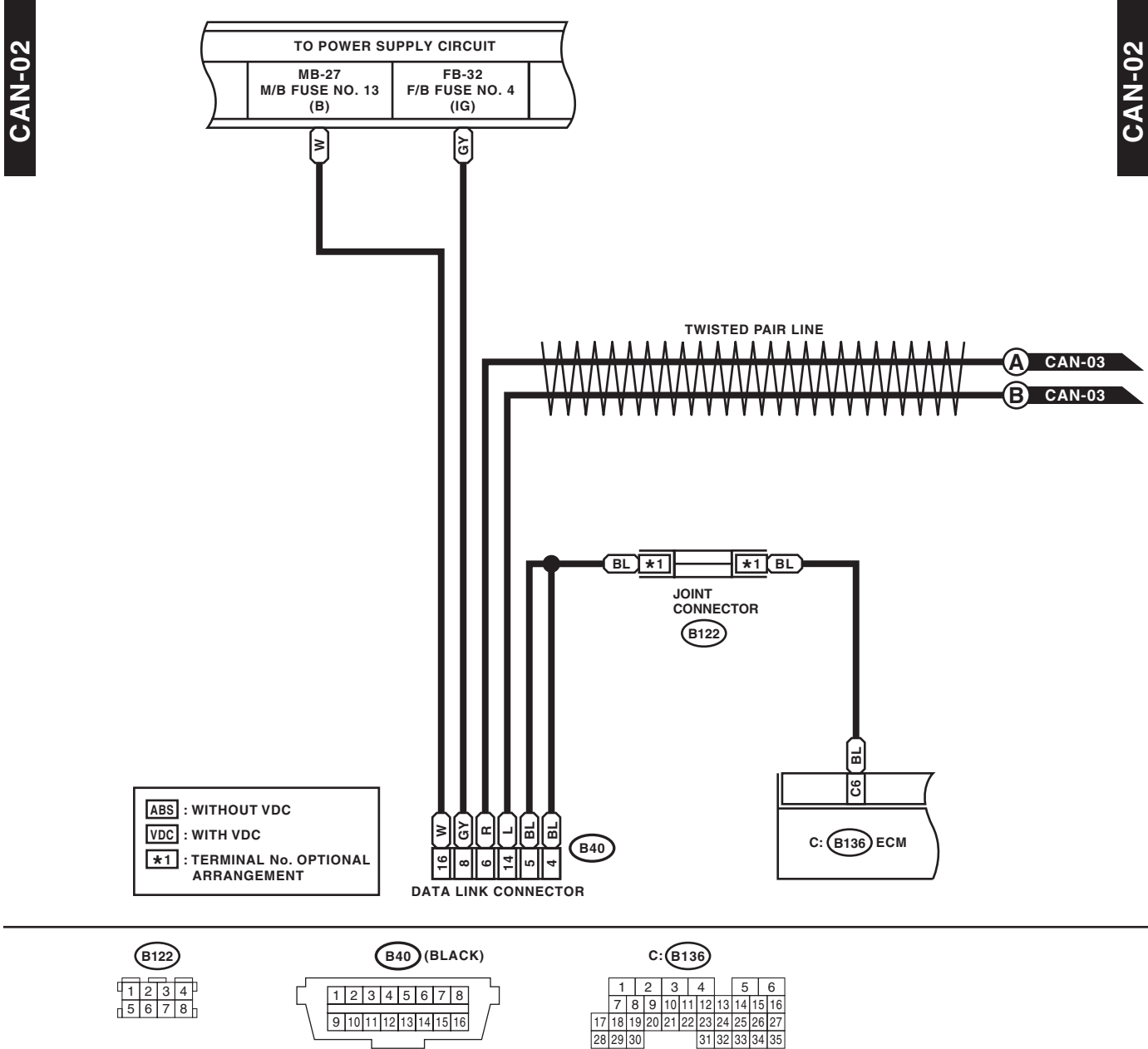
52.CAN Communication System

A: WIRING DIAGRAM

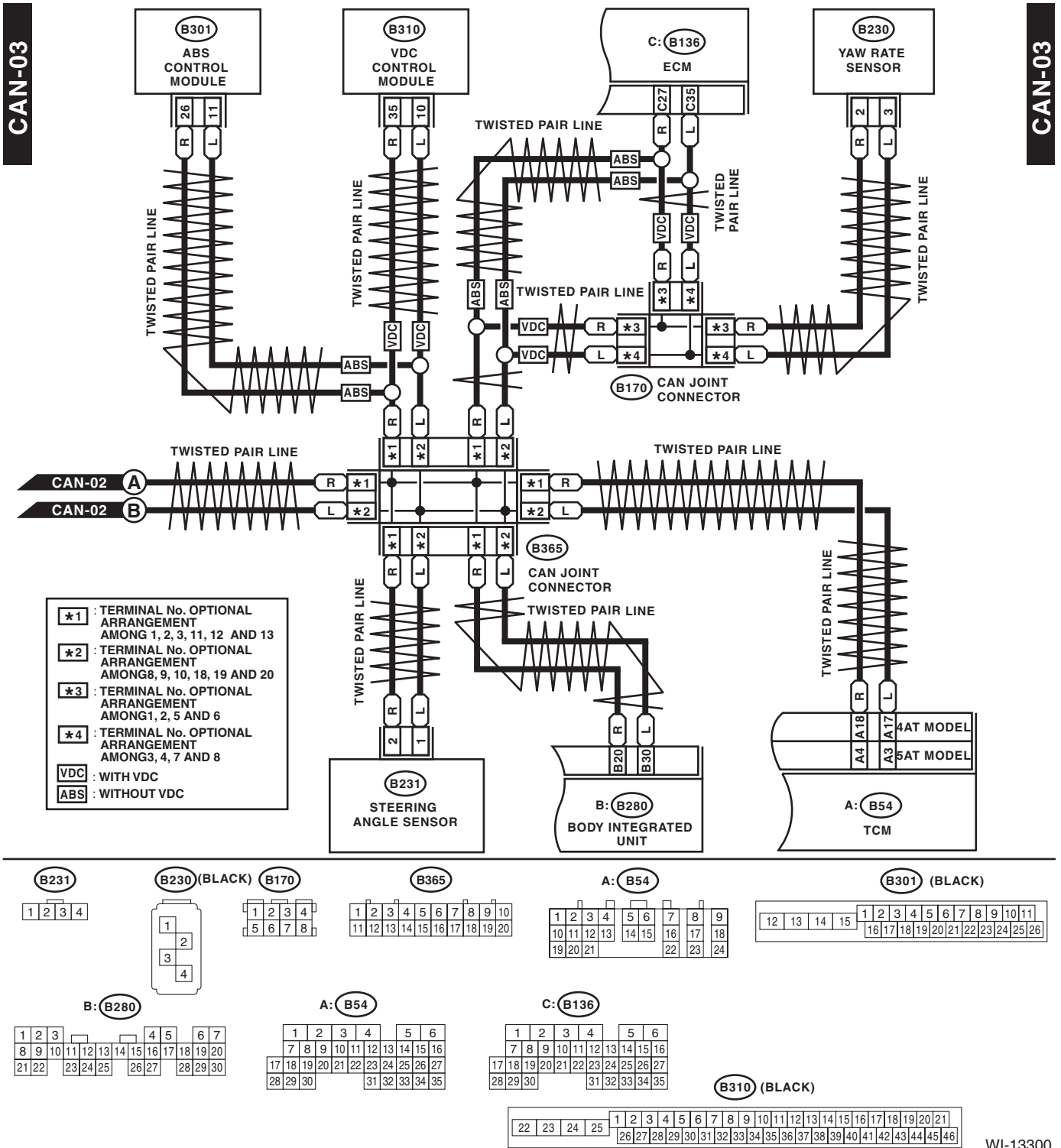


CAN Communication System

WIRING SYSTEM



WI-13299



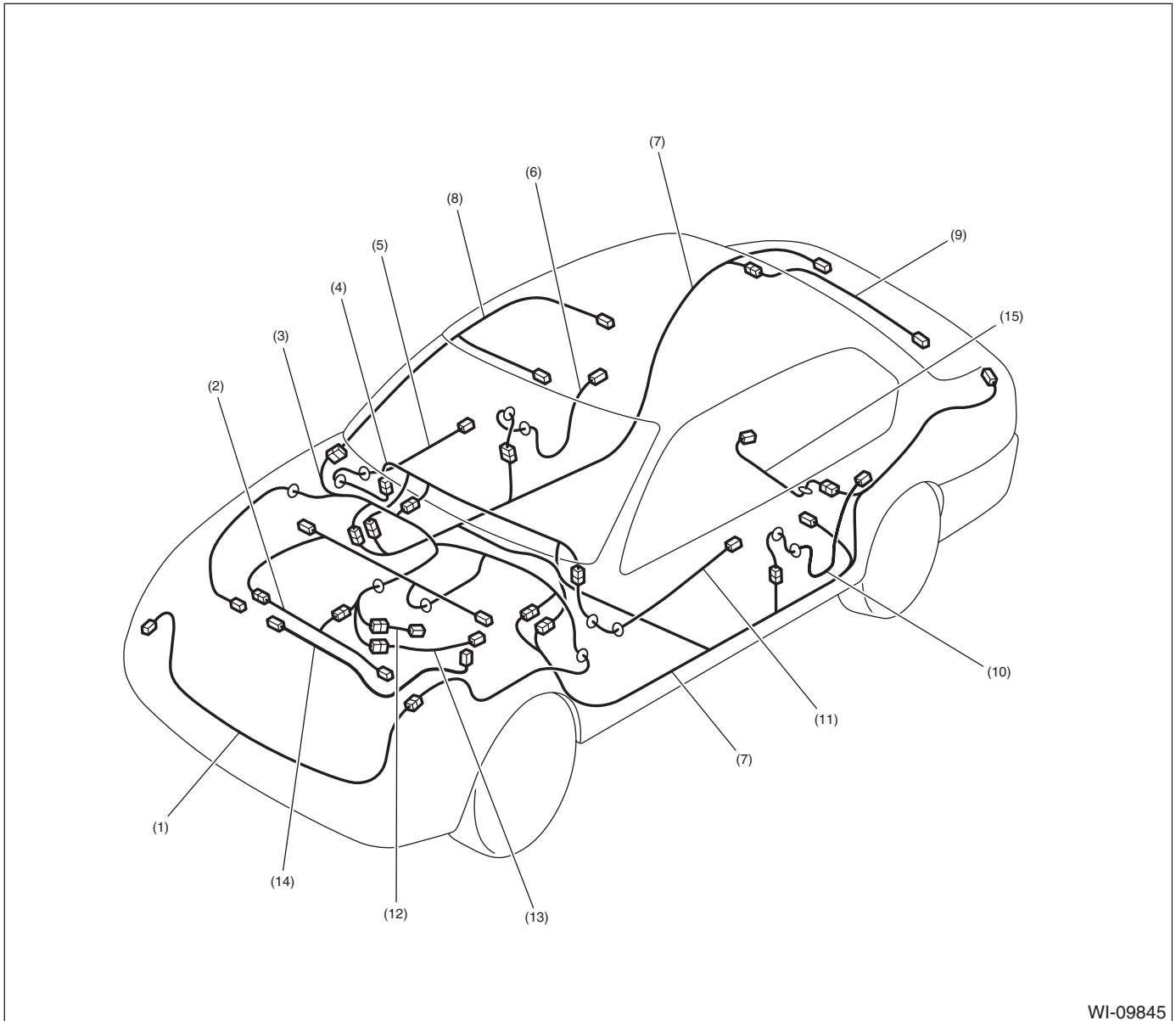
Harness Components Location

WIRING SYSTEM

53.Harness Components Location

A: LOCATION

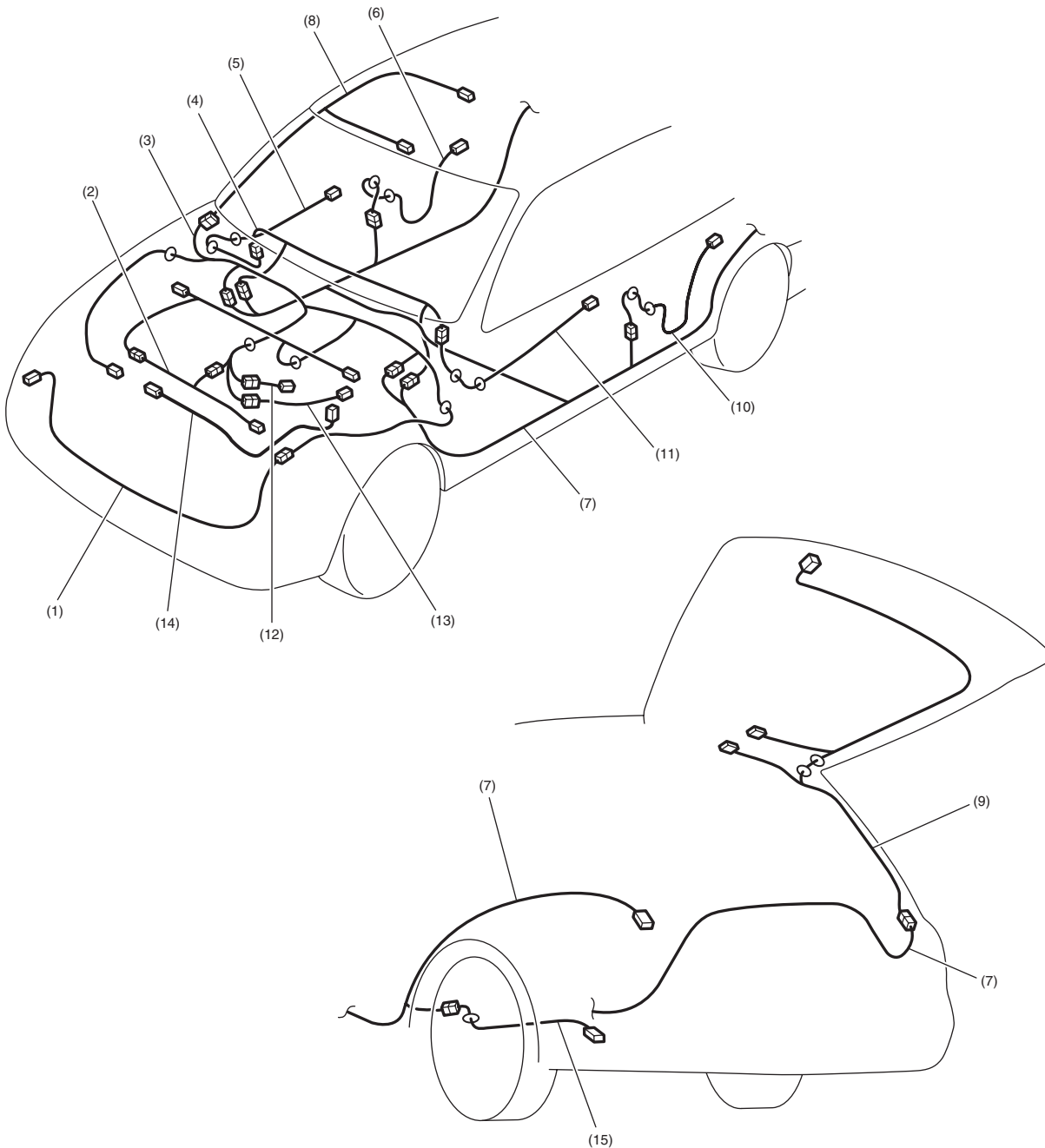
1. SEDAN MODEL



WI-09845

- | | | |
|-------------------------------------|-------------------------|------------------------------|
| (1) Front wiring harness | (6) Rear door cord RH | (11) Front door cord LH |
| (2) Engine wiring harness | (7) Rear wiring harness | (12) Transmission cord |
| (3) Bulkhead wiring harness | (8) Roof cord | (13) Rear oxygen sensor cord |
| (4) Instrument panel wiring harness | (9) Trunk lid cord | (14) Generator cord |
| (5) Front door cord RH | (10) Rear door cord LH | (15) Fuel cord |

2. WAGON MODEL



WI-09846

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

Front Wiring Harness

WIRING SYSTEM

54.Front Wiring Harness

A: LOCATION

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
F3	3	Gray	B-1		Front clearance and front turn signal light RH
F5	1	Black	C-2		Horn (HI)
F6	2	Black	C-1		Front fog light RH (Except for OUTBACK model)
		Brown	C-1		Front fog light RH (OUTBACK model)
F9	16	Black	B-4		Secondary air relay holder
F11	2	Gray	C-3		Secondary air pump
F16	2	Gray	C-1		Sub fan motor (H4 Turbo model)
		Black	C-1		Sub fan motor (H4 Non-turbo model)
F17	2	Gray	C-2		Main fan motor (H4 Turbo model)
		Black	C-2		Main fan motor (H4 Non-turbo model)
F19	3	Gray	C-3		Front clearance and front turn signal light LH
F21	2	Black	D-3		Front fog light LH (Except for OUTBACK model)
		Brown	D-3		Front fog light LH (OUTBACK model)
F24	2	Black	C-2		Magnet clutch
F25	1	★	B-2		Generator terminal B
F26	3	Green	C-2		Generator
F27	22	Black	B-4		Relay holder
F35	12	Blue	B-5		Main fuse box (M/B)
F36	7	★	B-4		
F37	20	★	B-4		
F47	1	Black	C-2		Horn (LO)
F58	3	Gray	C-3		Headlight LH
F59	3	Gray	C-1		Headlight RH
F70	2	★	B-4		Main fuse box (M/B)
F78	2	Black	C-2		Ambient sensor
F102	2	Black	C-2		Keyless buzzer
F106	3	Gray	B-1		PWM controller (H6 model)
F108	18	★	B-4	B361	Through joint connector
F109	24	★	B-3	B360	
F115	2	Gray	C-2		A/C lock sensor (H6 model)

★ : White or natural color

WIRING SYSTEM



Bulkhead Wiring Harness (In Engine Compartment)

WIRING SYSTEM

55.Bulkhead Wiring Harness (In Engine Compartment)

A: LOCATION

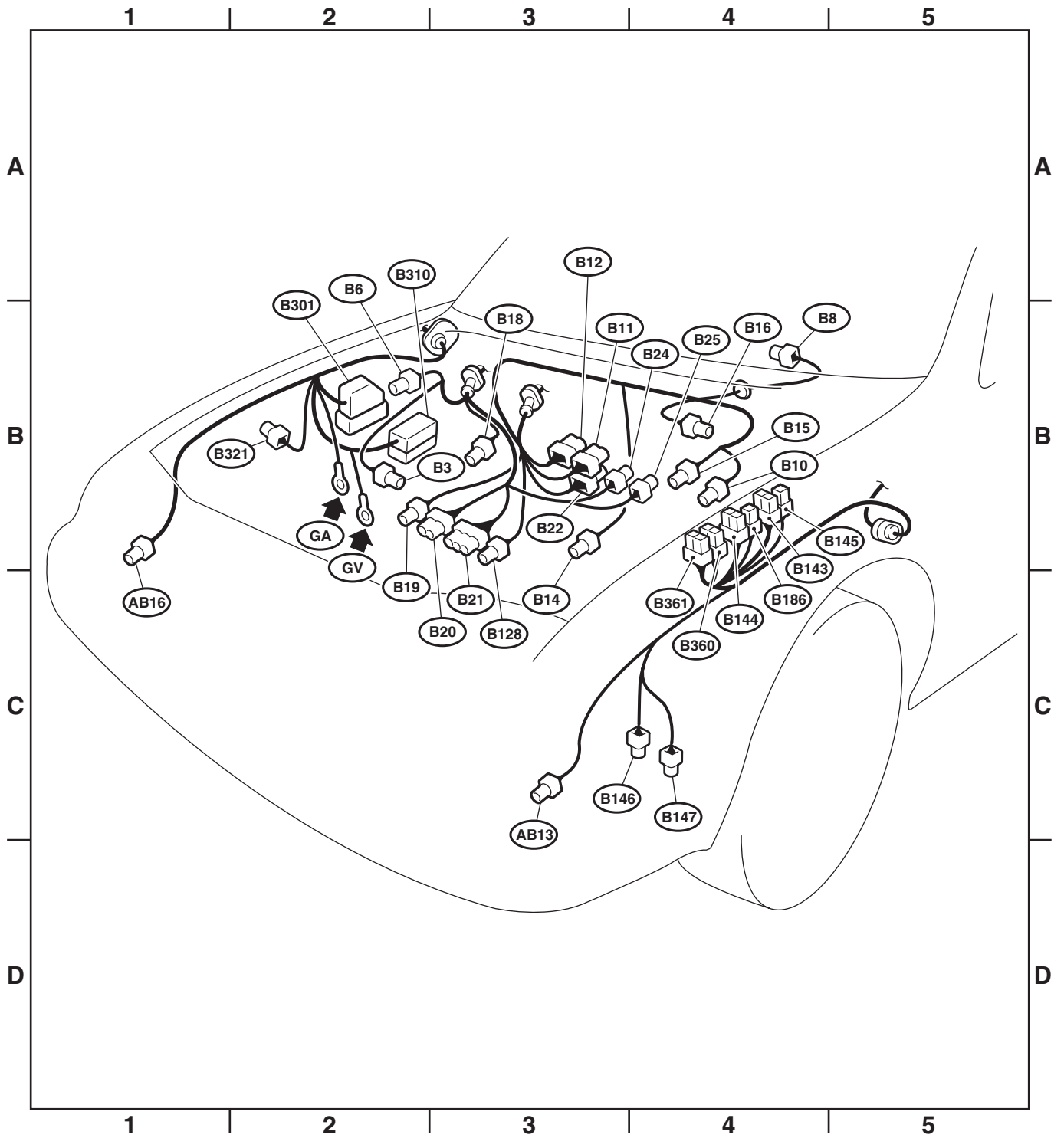
Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
B3	5	Black	B-2		Air flow sensor
B6	2	Gray	B-2		Front ABS wheel speed sensor RH
B8	5	Gray	B-4		Front wiper motor
B10	4	Gray	B-4		Pressure switch
B11	20	Gray	B-3	T4	Transmission (AT model)
B12	8	Brown	B-3	T3	Transmission (Turbo-H6 model)
	12	Gray	B-3	T3	Transmission (SOHC model)
B14	1	Black	B-3		Starter motor (Magnet)
B15	2	Gray	B-4		Front ABS wheel speed sensor LH
B16	2	Gray	B-4		Brake fluid level switch
B18	4	Gray	B-3		Front oxygen (A/F) sensor (Turbo model)
B19	4	Green	B-2	T5	Rear oxygen sensor cord (Turbo model)
B20	16	Brown	B-3	E1	Engine wiring harness (H6 model)
B21	54	Black	B-3	E2	Engine wiring harness
B22	16	Brown	B-3	E3	Engine wiring harness (H6 model)
B24	2	Gray	B-3	T1	Back-up light switch (H4 Non-turbo model)
B25	2	Brown	B-4	T2	Neutral position switch (H4 Non-turbo model)
B128	4	Gray	B-3	T9	Transmission harness (Turbo model)
B143	20	★	B-4		Main fuse box (M/B)
B144	9	Brown	B-4		
B145	7	Brown	B-4		
B146	2	Gray	C-4		Front washer motor
B147	2	Gray	C-4		Rear washer motor
B186	8	★	B-4		Main fuse box (M/B)
B301	26	Black	B-2		ABS control module
B310	46	Black	B-2		VDC control module
B321	2	Black	B-2		Hood switch
B360	16	Gray	B-4	F109	Through joint connector
B361	14	Gray	B-4	F108	

★ : White or natural color

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
AB13	2	Yellow	C-3		Front sub sensor LH
AB16	2	Yellow	B-1		Front sub sensor RH

Bulkhead Wiring Harness (In Engine Compartment)

WIRING SYSTEM



WI-13303

Bulkhead Wiring Harness (In Compartment)

WIRING SYSTEM

56.Bulkhead Wiring Harness (In Compartment)

A: LOCATION

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
B31	12	Yellow	C-1	AB1	Airbag wiring harness
B32	8	★	C-2		Turn signal & hazard unit
B36	28	★	B-2	i1	Instrument panel wiring harness
B37	8	★	C-5	i2	Instrument panel wiring harness (Manual A/C)
B38	20	★	B-5	i3	Instrument panel wiring harness
B40	16	Black	C-2		Data link connector
B41	2	★	B-2		Power window circuit breaker
B47	6	Brown	B-5		Main relay
B52	24	★	C-2		Fuse & relay box (F/B)
B53	20	★	C-3		Joint connector (4AT model)
B54	24	★	C-3		TCM (5AT model)
	35	★	C-3		TCM (4AT model)
B55	24	Gray	C-3		TCM (5AT model)
	35	★	C-3		TCM (4AT model)
B65	4	Black	B-3		Stop light & brake switch
B68	8	★	B-3		Roll connector
B69	4	★	B-3		Parking switch
B70	18	★	B-3		Combination switch
B71	17	★	B-3		
B72	6	★	B-3		Ignition switch
B75	2	Green	C-4	B76	Test mode connector
B76	2	Green	C-4	B75	
B77	7	Green	B-4		Mode actuator
B83	8	★	C-5		Joint connector
B85	2	Black	B-2		Diode (Fog light)
B86	4	★	B-4		Power transistor
B86	4	★	B-4		Blower fan controller (Auto A/C)
B87	2	★	B-5		Blower fan motor
B88	5	★	B-4		Evaporator thermo switch (Manual A/C)
	2	★	B-4		Evaporator thermo switch (Auto A/C)
B90	16	★	B-5	R50	Roof cord
B91	7	Green	B-4		Intake door actuator
B96	8	Black	B-1		Daytime running light control module
B97	20	★	C-1	R1	Rear wiring harness
B98	16	★	B-5	R2	
B106	2	★	B-2		Clutch switch
B107	2	Blue	B-2		Clutch switch

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
B116	12	★	D-4		AT select lever
B122	8	★	C-5		Joint connector (E/G)
B134	34	★	C-4		ECM
B135	35	★	C-4		
B136	35	★	C-4		
B137	31	★	C-4		
B138	8	★	C-5		Joint connector
B152	10	Gray	C-2		Fuse & relay box (F/B)
B158	8	★	C-2		
B159	9	Brown	C-2		
B170	8	★	C-4		CAN joint connector
B177	2	★	B-4		Wiper de-icer
B178	8	Brown	B-2		Instrument panel wiring harness
B179	4	★	B-2		Diode (Headlight)
B180	24	★	C-2		Remote engine start control module
B181	2	★	C-2		Short connector
B182	2	★	C-2		Short connector
B224	2	★	B-4		Key illumination
B225	40	Black	C-2		Fuse (Relay block)
					Mirror heater relay
					Starter relay
					Front fog light relay
					Power window relay
					Blower fan relay
					Daytime running light relay
					Wiper de-icer relay
					Seat heater relay
B226	4	Black	B-2		Inhibitor relay (Turbo-H6 model)
B229	2	Black	B-1		Diode (Parking brake) (Non-turbo model)
B230	4	Black	D-4		Yaw rate sensor (VDC)
B231	4	★	B-4		Steering angle sensor (VDC)
B235	7	Green	B-4		Passenger seat air mix actuator (Auto A/C)
B242	10	★	B-1		Daytime running light control module
B280	30	★	C-3		Body integrated unit
B281	28	★	C-3		
B282	16	★	B-4		Auto A/C control module
B283	20	★	B-4		
B292	3	Black	D-4		ABS G sensor

Bulkhead Wiring Harness (In Compartment)

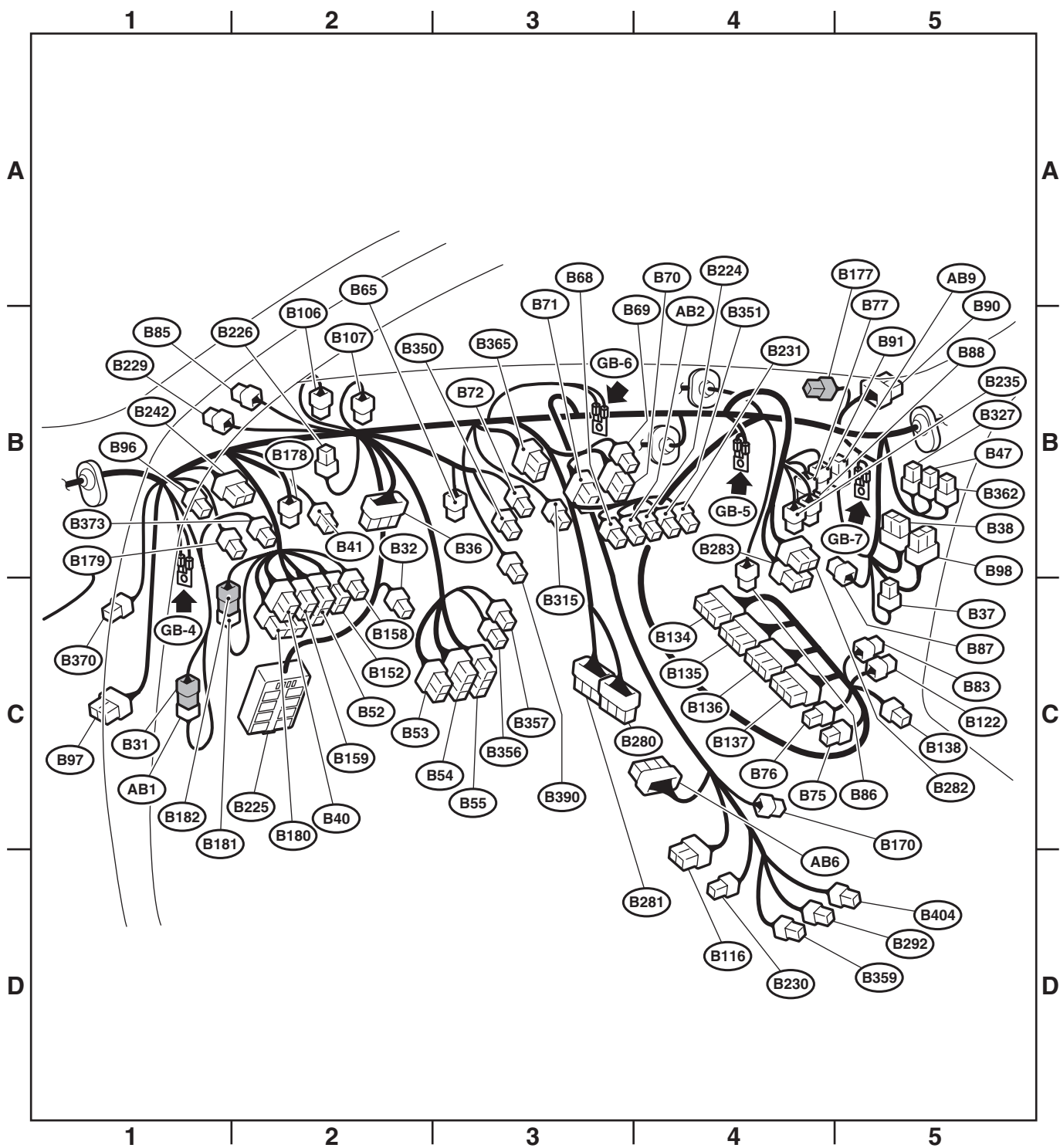
WIRING SYSTEM

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
B315	6	Black	B-3		Acceleration pedal position sensor
B327	6	Brown	B-5		Oxygen sensor relay (SOHC model)
					Main relay 2 (H6 model)
B350	4	★	B-3		Key warning switch & key lock solenoid
B351	2	Black	B-4		Antenna
B356	4	Black	C-3		BACK-UP LIGHT RELAY (5AT MODEL)
B357	4	Black	C-3		PV-IGN relay (5AT model)
B359	3	Black	D-4		AT G sensor (5AT model)
B362	8	Black	B-5		Relay holder
B365	20	Black	B-3		CAN joint connector
B370	2	Black	C-1		Diode (Engine status)
B373	2	★	B-1		Fuse & relay box (F/B)
B390	7	Green	B-3		Driver seat air mix actuator (Auto A/C)
B404	1	Black	D-4		Parking brake switch
★ : White or natural color					

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
AB1	12	Yellow	C-1	B31	Airbag wiring harness
AB2	4	Yellow	B-4	AB7	Inflator (Driver seat)
AB6	28	Yellow	C-4		Airbag control module
AB9	4	Yellow	B-5	AB10	Inflator (Passenger's seat)

Bulkhead Wiring Harness (In Compartment)

WIRING SYSTEM



WI-13304

57.Engine Wiring Harness and Transmission Cord

A: LOCATION

1. 2.5 L NON-TURBO MODEL

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
E2	54	Black	A-3	B21	Bulkhead wiring harness
E4	2	Black	A-2		Purge control solenoid valve
E5	2	Light gray	B-1		Fuel injector No. 1
E6	2	Light gray	A-2		Fuel injector No. 3
E8	2	Black	B-2		Engine coolant temperature sensor
E10	2	Light gray	B-3		Crankshaft position sensor
E11	1	—	B-2		Oil pressure switch
E12	4	Dark gray	A-2		Ignition coil & ignitor assembly
E14	2	Gray	B-4		Knock sensor
E15	2	Gray	B-4		Camshaft position sensor
E16	2	Light gray	B-4		Fuel injector No. 2
E17	2	Light gray	B-4		Fuel injector No. 4
E18	6	Dark gray	B-4		EGR solenoid valve
E19	1	★	B-2		Power steering oil pressure switch
E21	3	Black	A-3		Manifold absolute pressure sensor
E22	6	Dark gray	A-1		Front oxygen (A/F) sensor
E23	4	Dark gray	A-1		Rear oxygen sensor
E57	6	Black	A-3		Electronic throttle
E61	2	Dark gray	A-4		PCV diagnosis connector
E67	2	Blue	A-2		Oil switching solenoid valve RH
E68	2	Blue	B-5		Oil switching solenoid valve LH
E71	1	Gray	A-3		Variable valve lift diagnosis oil pressure switch RH
E72	1	Gray	B-5		Variable valve lift diagnosis oil pressure switch LH
E75	2	Black	A-3		Oil temperature sensor
★ : White or natural color					

MT model

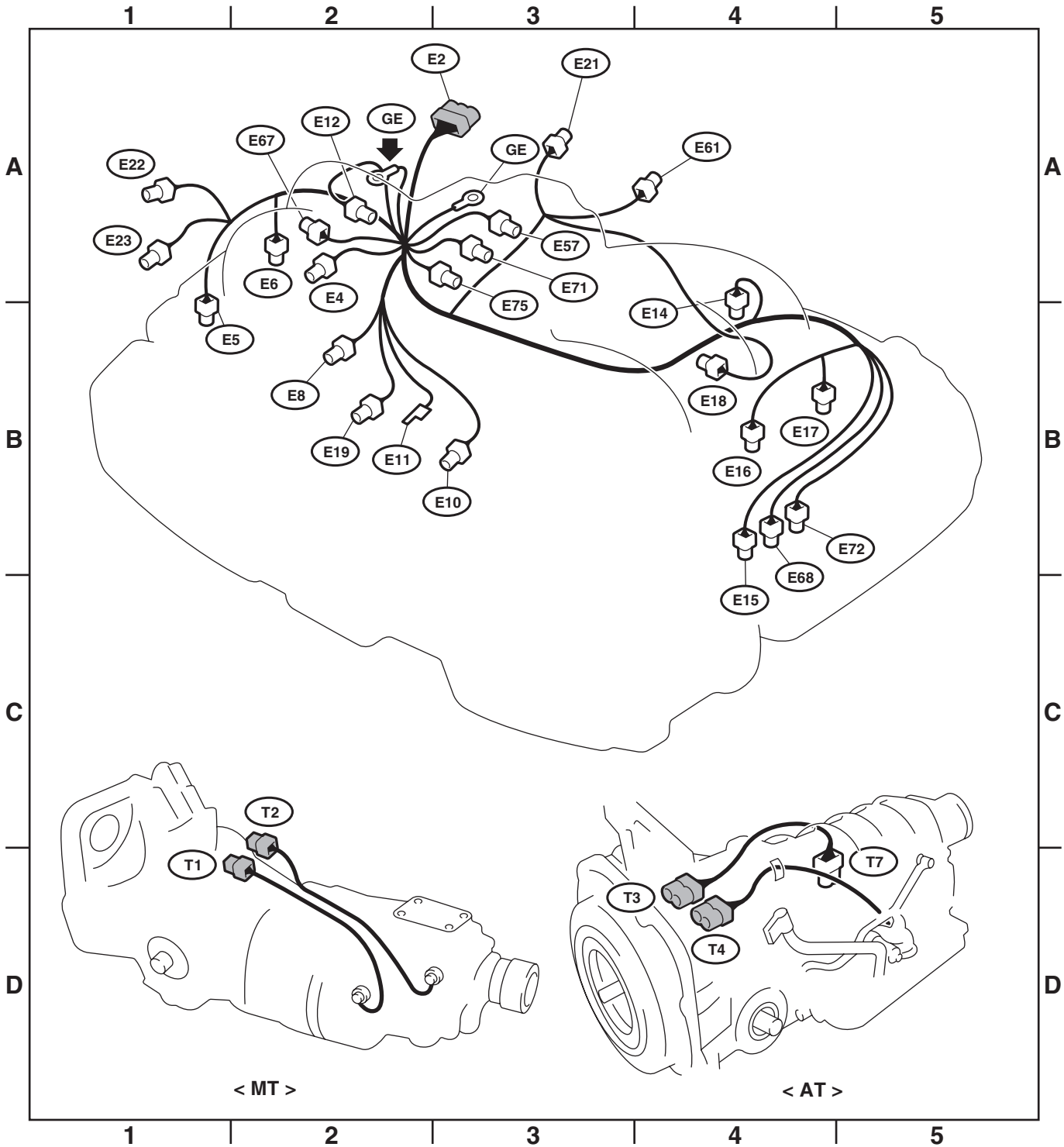
Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
T1	2	Gray	D-2	B24	Bulkhead wiring harness
T2	2	Brown	D-2	B25	

Engine Wiring Harness and Transmission Cord

WIRING SYSTEM

AT model

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
T3	12	Black	D-4	B12	Bulkhead wiring harness
T4	20	Gray	D-4	B11	
T7	12	Black	D-5		Inhibitor switch



WI-13305

Engine Wiring Harness and Transmission Cord

WIRING SYSTEM

2. TURBO MODEL

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
E2	54	Black	A-2	B21	Bulkhead wiring harness
E4	2	Black	B-2		Purge control solenoid valve 1
E5	2	Dark gray	B-2		Fuel injector No. 1
E6	2	Dark gray	B-1		Fuel injector No. 3
E8	2	Black	B-2		Engine coolant temperature sensor
E10	2	Light gray	B-3		Crankshaft position sensor
E11	1	—	B-2		Oil pressure switch
E14	2	Light gray	B-3		Knock sensor
E16	2	Dark gray	B-4		Fuel injector No. 2
E17	2	Dark gray	B-5		Fuel injector No. 4
E19	1	★	B-2		Power steering oil pressure switch
E21	3	Black	A-3		Manifold absolute pressure sensor
E31	3	★	B-2		Ignition coil No. 1
E32	3	★	B-4		Ignition coil No. 2
E33	3	Black	A-2		Ignition coil No. 3
E34	3	Black	B-4		Ignition coil No. 4
E35	3	Light gray	A-4		Camshaft position sensor LH
E36	3	Light gray	A-2		Camshaft position sensor RH
E37	2	Blue	B-3		Oil flow control solenoid valve LH
E38	2	Blue	B-1		Oil flow control solenoid valve RH
E40	2	Black	B-4		Secondary air combination valve LH
E41	6	Black	B-2		Secondary air combination valve RH
E51	5	Light gray	B-4		TGV LH
E52	2	Black	A-3		Purge control solenoid valve 2
E55	5	Light gray	A-1		TGV RH
E57	6	Black	A-3		Electronic throttle
E64	2	Blue	A-3		Wastegate control solenoid
E80	2	Dark gray	B-2		Leak diagnosis connector
★ : White or natural color					

MT model

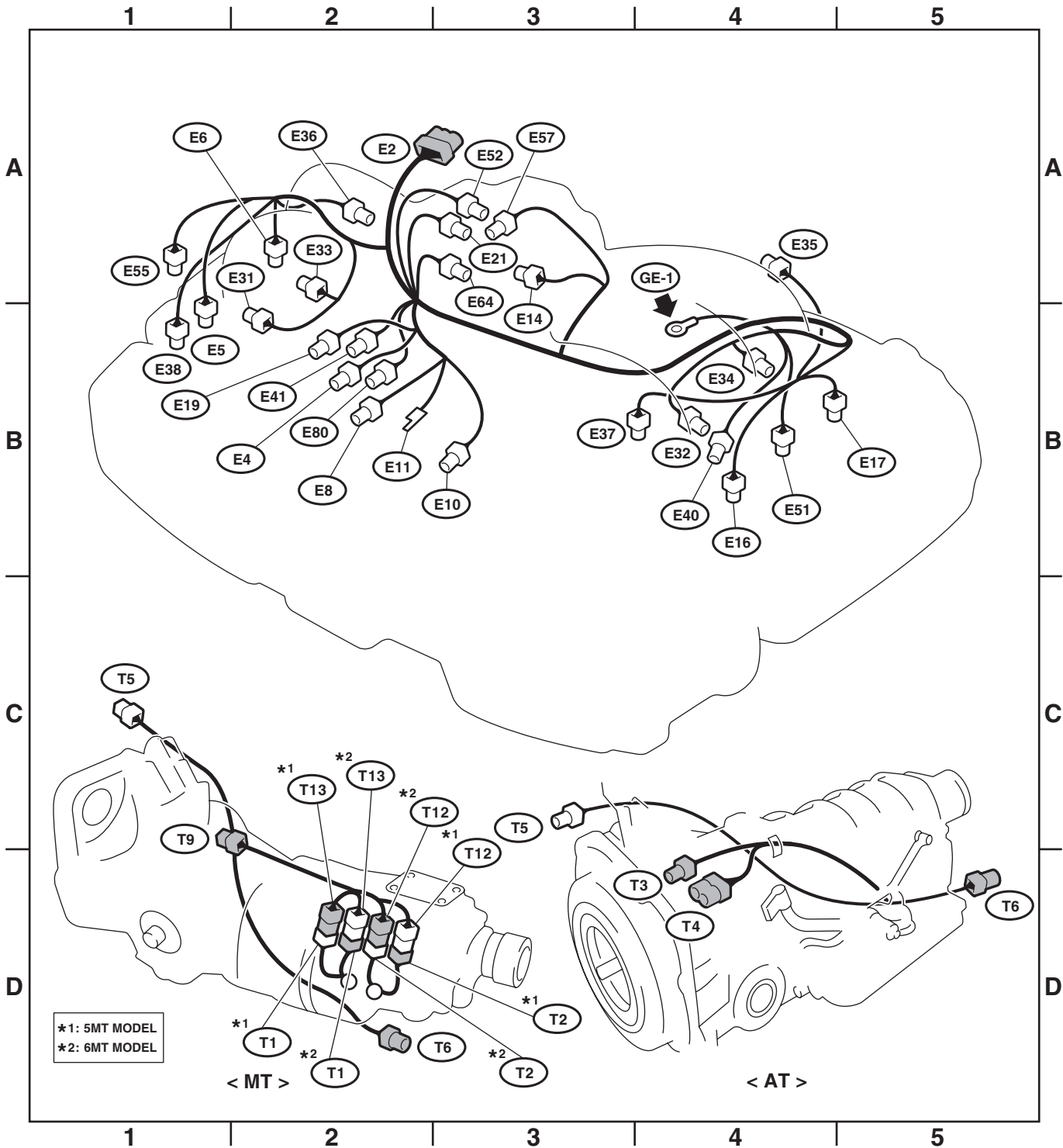
Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
T1	2	Gray	D-2	T13	Transmission harness (5MT model)
		★	D-2	T13	Transmission harness (6MT model)
T2	2	Brown	D-2	T12	Transmission harness (5MT model)
		Black	D-2	T12	Transmission harness (6MT model)
T5	4	Green	C-1	B19	Bulkhead wiring harness
T6	4	Dark gray	D-2		Rear oxygen sensor
T9	4	Gray	C-1	B128	Bulkhead wiring harness
T12	2	Brown	D-2		Neutral position switch (5MT model)
		Black			Neutral position switch (6MT model)
T13	2	Gray	D-2		Back-up light switch (5MT model)
		★			Back-up light switch (6MT model)
★ : White or natural color					

Engine Wiring Harness and Transmission Cord

WIRING SYSTEM

AT model

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
T3	8	Black	D-4	B12	Bulkhead wiring harness
T4	20	Gray	D-4	B11	
T5	4	Green	C-3	B19	
T6	4	Dark gray	D-5		Rear oxygen sensor



Engine Wiring Harness and Transmission Cord

WIRING SYSTEM

3. 3.0 L MODEL

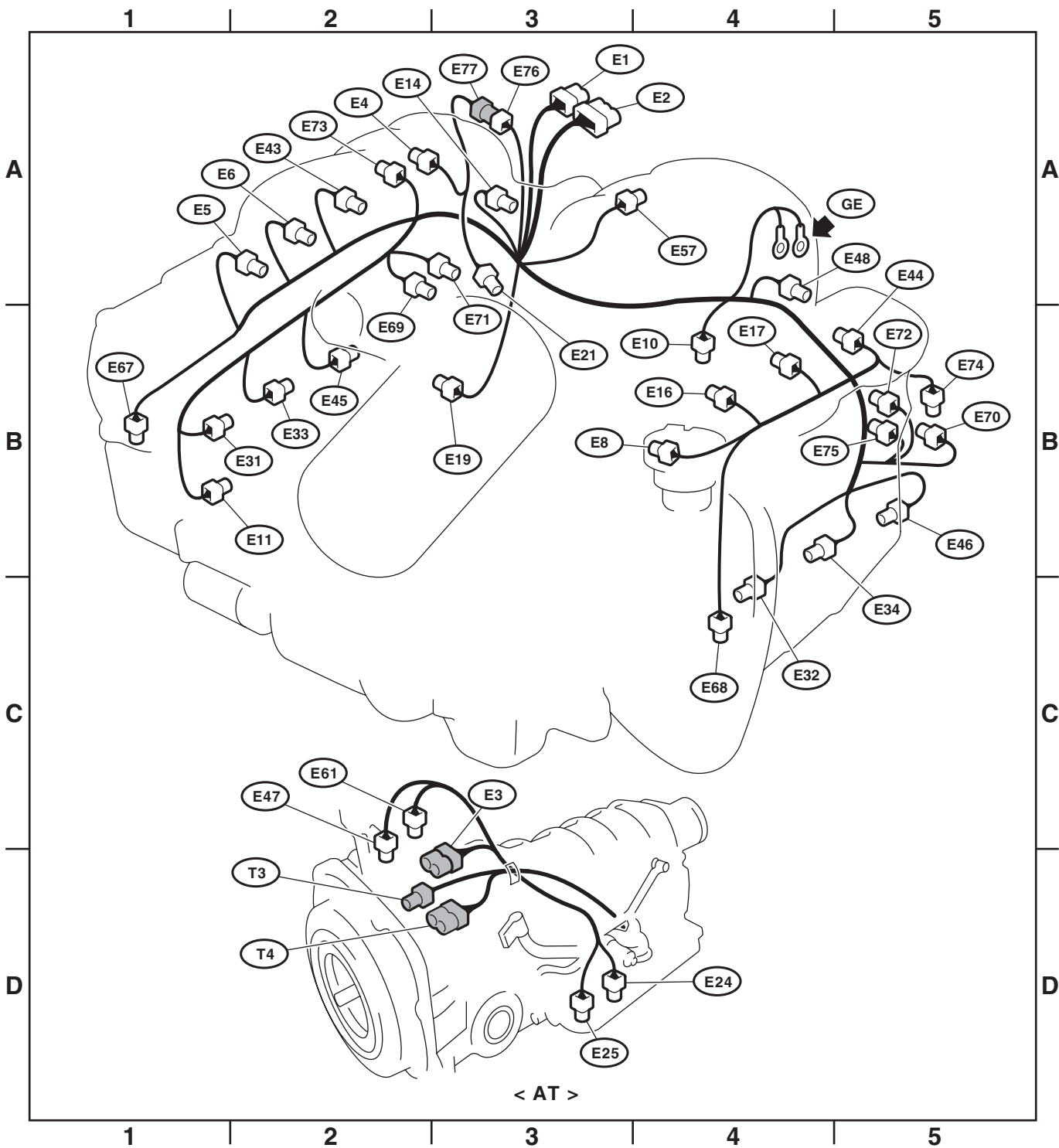
Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
E1	16	Brown	A-3	B20	Bulkhead wiring harness
E2	54	Black	A-3	B21	
E3	16	Brown	D-3	B22	
E4	2	Blue	A-2		Purge control solenoid valve
E5	2	Dark gray	A-2		Fuel injector No. 1
E6	2	Dark gray	A-2		Fuel injector No. 3
E8	2	Black	B-4		Engine coolant temperature sensor
E10	2	Light gray	B-4		Crankshaft position sensor
E11	1	—	B-2		Oil pressure switch
E14	2	Blue	A-3		Knock sensor 1
E16	2	Dark gray	B-4		Fuel injector No. 2
E17	2	Dark gray	B-4		Fuel injector No. 4
E19	1	★	B-3		Power steering oil pressure switch
E21	3	Black	A-3		Manifold absolute pressure sensor
E24	4	Light gray	D-3		Front oxygen (A/F) sensor LH
E25	4	Dark gray	D-3		Rear oxygen sensor LH
E31	3	Black	B-2		Ignition coil No. 1
E32	3	Black	C-4		Ignition coil No. 2
E33	3	★	B-2		Ignition coil No. 3
E34	3	★	B-5		Ignition coil No. 4
E43	2	Dark gray	A-2		Fuel injector No. 5
E44	2	Dark gray	B-5		Fuel injector No. 6
E45	3	Black	B-2		Ignition coil No. 5
E46	3	Black	B-5		Ignition coil No. 6
E47	4	Light gray	D-2		Front oxygen (A/F) sensor RH
E48	2	Blue	A-5		Knock sensor 2
E57	6	Black	A-4		Electronic throttle
E61	4	Dark gray	C-2		Rear oxygen sensor RH
E67	2	Black	B-1		Oil flow control solenoid valve RH
E68	2	Black	C-4		Oil flow control solenoid valve LH
E69	2	Blue	A-2		Oil switching solenoid valve RH
E70	2	Blue	B-5		Oil switching solenoid valve LH
E71	1	★	A-3		Variable valve lift diagnosis oil pressure switch RH
E72	1	★	B-5		Variable valve lift diagnosis oil pressure switch LH
E73	3	Gray	A-2		Camshaft position sensor RH
E74	3	Gray	B-5		Camshaft position sensor LH
E75	2	Black	B-5		Oil temperature sensor
E76	6	Dark gray	A-3	E77	Engine wiring harness
E77	6	Dark gray	A-3	E76	

★ : White or natural color

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
T3	8	Brown	D-2	B12	Bulkhead wiring harness
T4	20	Gray	D-2	B11	

Engine Wiring Harness and Transmission Cord

WIRING SYSTEM



WI-13307

58.Instrument Panel Wiring Harness

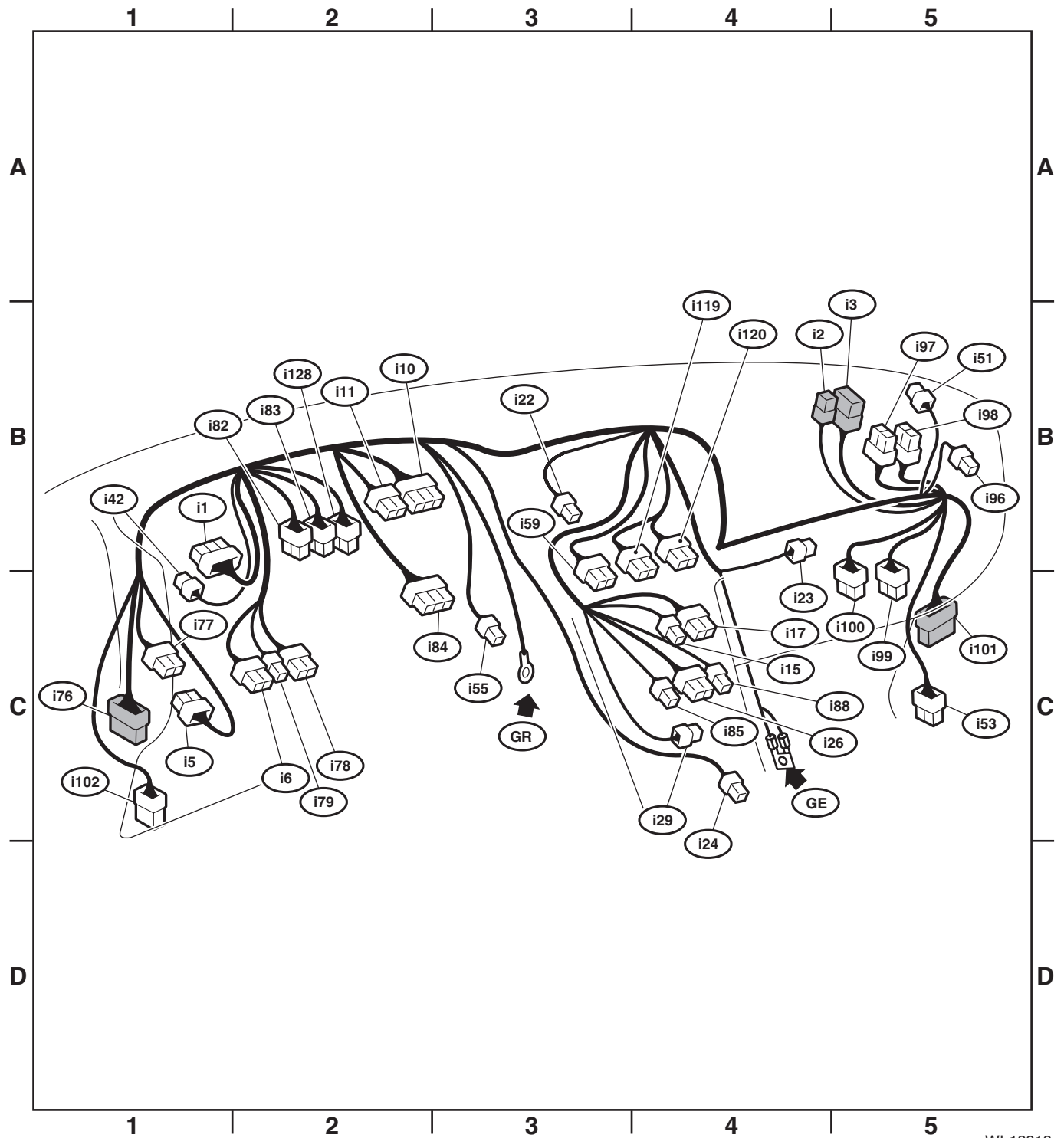
A: LOCATION

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
i1	28	★	B-1	B36	Bulkhead wiring harness
i2	8	★	B-4	B37	
i3	20	★	B-5	B38	
i5	20	★	C-1		Fuse & relay box (F/B)
i6	16	★	C-2		Remote control mirror switch
i10	22	Green	B-2		Combination meter
i11	14	Green	B-2		
i15	6	★	C-4		A/C control panel (Manual A/C)
i17	16	Black	C-4		
i22	4	★	B-3		Hazard switch
i23	2	★	B-4		Glove box illumination
i24	2	★	C-4		Front accessory power supply socket
i26	14	★	C-4		Audio
i29	1	Black	C-4		Audio bracket earth
i42	8	★	B-1		Bulkhead wiring harness
i51	2	★	B-5		Sunload sensor
i53	18	★	C-5	R98	Rear wiring harness
i54	12	★	C-1		
i55	2	★	C-3		In-vehicle sensor
i59	10	★	B-3		Clock
i76	25	★	C-1	D83	Front door cord LH
i77	12	Black	B-1		Joint connector
i78	15	Blue	C-2		Push switch
i79	6	★	C-2		Illumination control module
i82	12	★	B-2		Joint connector (Illumination and backup)
i83	12	★	B-2		
i84	35	Gray	C-3		Body integrated unit
i85	8	★	C-4		Audio
i88	8	★	C-4		A/C control pane (Auto A/C)
i96	8	★	B-5		Keyless entry control module
i97	12	★	B-5		Joint ground connector
i98	12	★	B-5		
i99	12	Black	B-5		
i100	12	Black	B-5		
i101	25	★	C-5	D84	Front door cord RH
i102	16	★	C-1	R167	Rear wiring harness
i106	4	★	B-2		CAN joint connector
i107	4	★	B-2		
i119	16	★	B-4		TV monitor
i120	20	★	B-4		

★ : White or natural color

Instrument Panel Wiring Harness

WIRING SYSTEM



WI-13312

59.Rear Wiring Harness

A: LOCATION

1. SEDAN MODEL

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
R1	20	★	C-3	B97	Bulkhead wiring harness
R2	16	★	B-2	B98	
R8	4	★	C-3		Front seat belt switch LH
R9	3	★	C-4		Front door switch LH
R10	8	★	B-3	D22	Rear door cord RH
R12	3	★	B-3		Front door switch RH
R13	8	★	C-4	D28	Rear door cord LH
R15	8	★	B-4	R213	Fuel cord
R16	3	★	B-4		Rear door switch RH
R41	4	★	C-4		Seat heater LH
R43	22	★	C-3		Adapter code (Console)
R44	4	★	C-2		Seat heater RH
R46	6	★	B-4	R67	Fuel cord
R50	16	★	B-2	B90	Bulkhead wiring harness
R51	2	Black	B-3		Vanity mirror illumination RH
R52	3	★	B-3		Room light
R54	2	Black	B-4		Vanity mirror illumination LH
R55	10	Gray	A-3		Sunroof control unit
R56	2	★	A-3		Spot map light
R57	3	★	B-3		Shade mirror
R72	2	Gray	B-4		Rear ABS wheel speed sensor RH
R73	2	Gray	B-4		Rear ABS wheel speed sensor LH
R98	18	★	B-1	i53	Instrument panel wiring harness RH
R99	12	★	C-4	i54	Instrument panel wiring harness LH2
R109	4	Black	C-3		Power seat LH
R128	5	★	A-3		Sunroof switch
R142	2	Black	C-5		Fuel pump condenser (Without fuel pump control unit)
R150	6	Gray	B-2		Seat belt & airbag warning light
R167	16	★	C-3	i102	Instrument panel wiring harness LH
R168	20	★	C-3		Fuse & relay box (F/B)
R169	8	★	B-3		Impact sensor
R188	2	Black	C-3		Power seat RH
R211	12	★	C-4		TPM control module
R226	10	★	C-4		Navigation control module
R242	5	Black	A-4		Sunroof tilt switch

★ : White or natural color

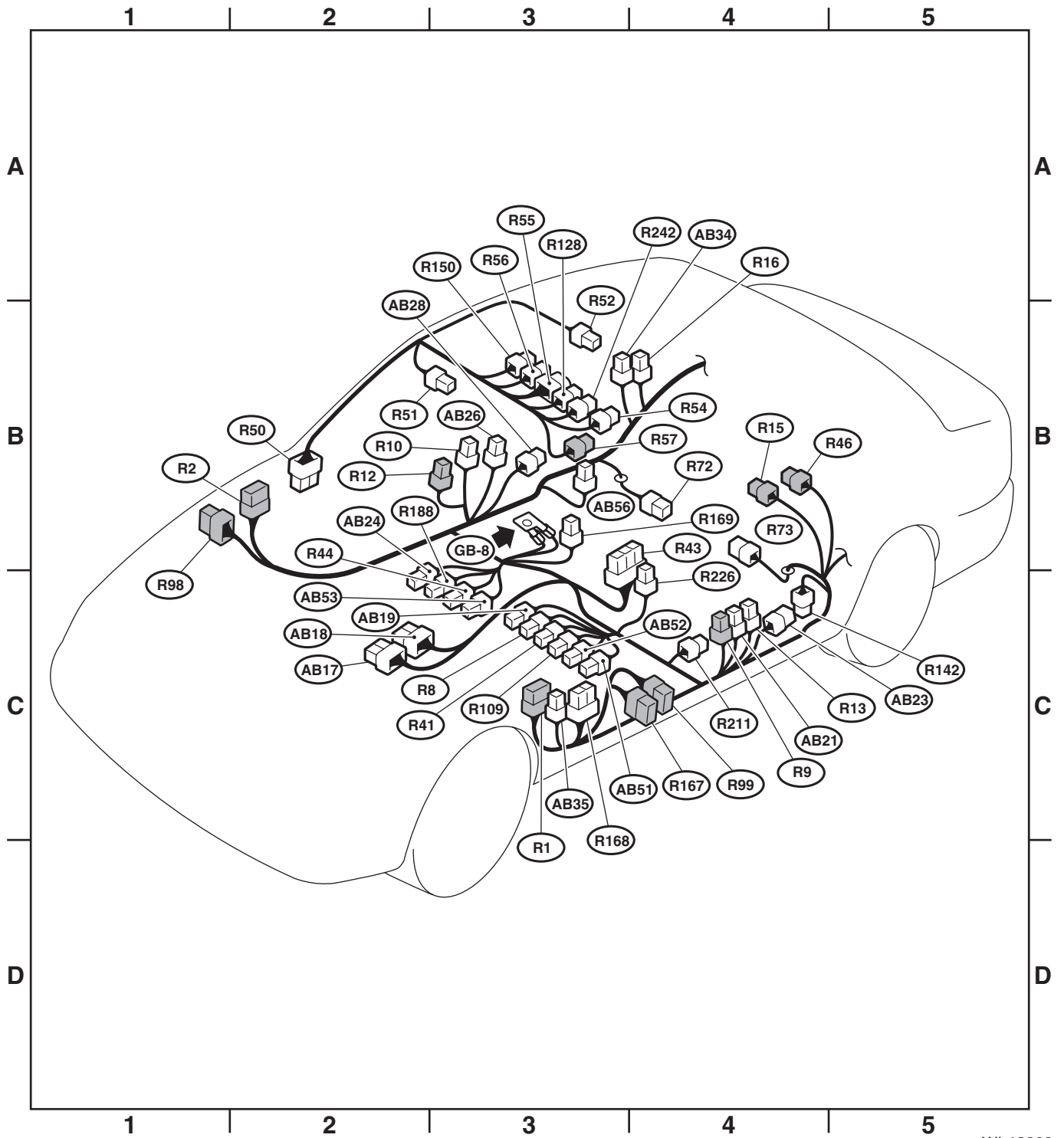
Rear Wiring Harness

WIRING SYSTEM

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
AB17	20	Yellow	C-2		Airbag control module LH
AB18	20	Yellow	C-2		Airbag control module RH
AB19	2	Yellow	C-3	AB20	Inflator (Side) LH
AB21	2	Black	C-4		Pretensioner LH
AB23	4	Yellow	C-4		Side airbag sensor LH
AB24	2	Yellow	B-3	AB25	Inflator (Side) RH
AB26	2	Black	B-3		Pretensioner RH
AB28	4	Yellow	B-3		Side airbag sensor RH
AB34	4	Yellow	B-3		Curtain airbag sensor RH
AB35	2	Black	C-3		Fuse & relay box (F/B)
AB51	2	Yellow	C-3		Buckle switch
AB52	2	Yellow	C-3		Seat position sensor LH
AB53	6	Gray	C-3		Occupant detection control module
AB56	3	Brown	B-3		Belt tensioner sensor

Rear Wiring Harness

WIRING SYSTEM



WI-13308

Rear Wiring Harness

WIRING SYSTEM

2. WAGON MODEL

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
R1	20	★	C-3	B97	Bulkhead wiring harness
R2	16	★	B-1	B98	
R8	4	★	C-3		Front seat belt switch LH
R9	3	★	C-4		Front door switch LH
R10	8	★	B-2	D22	Rear door cord RH
R12	3	★	B-2		Front door switch RH
R13	8	★	C-4	D28	Rear door cord LH
R15	8	★	B-4	R213	Fuel cord
R16	3	★	A-3		Rear door switch RH
R41	4	★	C-3		Seat heater LH
R43	22	★	B-4		Adapter code (Console)
R44	4	★	C-2		Seat heater RH
R46	6	★	B-5	R67	Fuel cord
R50	16	★	B-1	B90	Bulkhead wiring harness
R51	2	Black	A-2		Vanity mirror illumination RH
R52	3	★	A-3		Room light
R54	2	Black	B-3		Vanity mirror illumination LH (Without home link)
	3	★	B-3		Vanity mirror illumination LH (With home link)
R55	2	★	A-2		Sunroof cord
R56	2	★	A-2		Spot map light
R57	3	★	A-3		Shade mirror
R72	2	Gray	B-4		Rear ABS wheel speed sensor RH
R73	2	Gray	B-4		Rear ABS wheel speed sensor LH
R74	2	★	A-2	R55	Roof cord
R75	6	★	A-4		Sunroof motor assembly
R98	18	★	B-1	i53	Instrument panel wiring harness RH
R99	12	★	C-3	i54	Instrument panel wiring harness LH2
R109	4	Black	C-3		Power seat LH
R142	2	Black	C-4		Fuel pump condenser (Without fuel pump control unit)
R150	6	Gray	A-3		Seat belt & airbag warning light
R167	16	★	C-3	i102	Instrument panel wiring harness LH
R168	20	★	C-3		Fuse & relay box (F/B)
R169	8	★	B-2		Impact sensor
R188	2	Black	C-4		Power seat RH
R211	12	★	C-4		TPM control module
R226	10	★	C-3		Navigation control module

★ : White or natural color

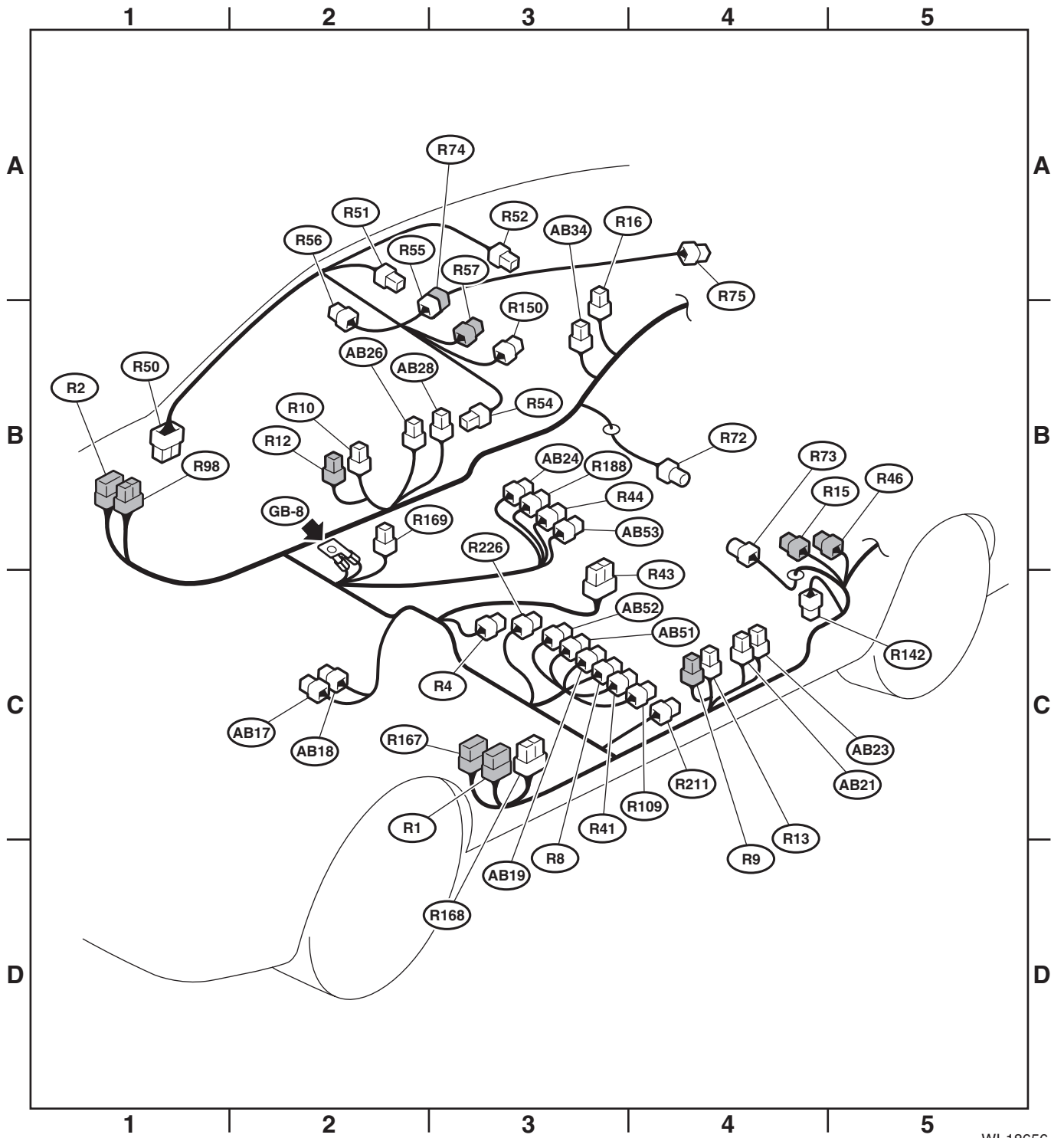
Rear Wiring Harness

WIRING SYSTEM

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
AB17	20	Yellow	C-2		Airbag control module LH
AB18	20	Yellow	C-2		Airbag control module RH
AB19	2	Yellow	C-3	AB20	Inflator (Side) LH
AB21	2	Black	C-4		Pretensioner LH
AB23	4	Yellow	C-4		Side airbag sensor LH
AB24	2	Yellow	C-2	AB25	Inflator (Side) RH
AB26	2	Black	B-2		Pretensioner RH
AB28	4	Yellow	B-3		Side airbag sensor RH
AB34	4	Yellow	B-3		Curtain airbag sensor RH
AB35	2	Black	C-3		Fuse & relay box (F/B)
AB51	2	Yellow	C-3		Buckle switch
AB52	2	Yellow	C-3		Seat position sensor LH
AB53	6	Gray	C-2		Occupant detection control module
AB56	3	Brown	B-3		Belt tensioner sensor

Rear Wiring Harness

WIRING SYSTEM



WI-18656

60. Door Cord

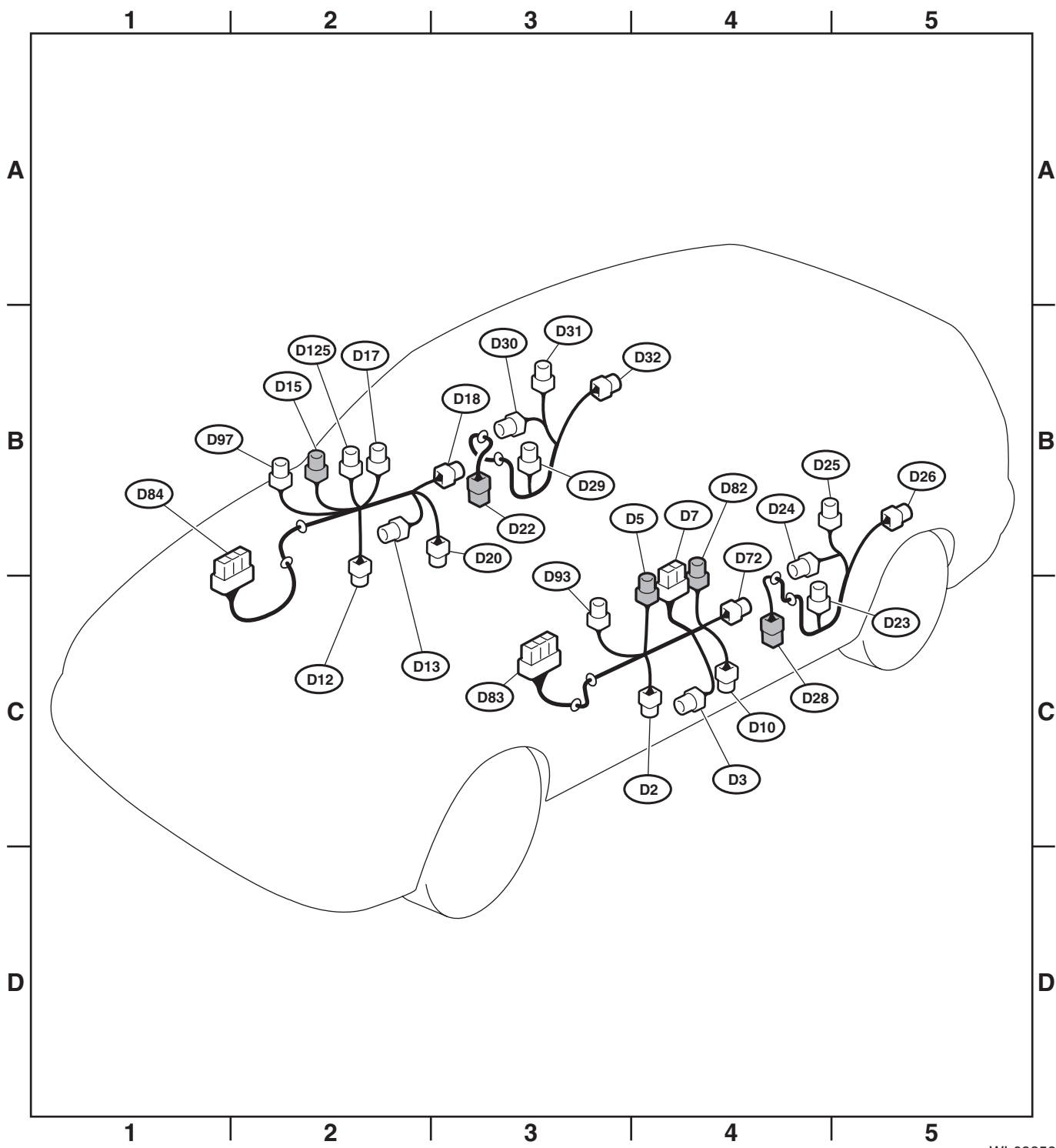
A: LOCATION

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
D2	2	★	C-4		Front door speaker LH
D3	2	Gray	C-4		Front power window motor LH
D5	6	★	B-4		Outer mirror assembly LH (Without turn signal light)
	8	★	B-4		Outer mirror assembly LH (With turn signal light)
D7	14	★	B-4		Power window main switch
D10	2	★	C-4		Front step light LH
D12	2	★	C-2		Front door speaker RH
D13	2	Gray	C-2		Front power window motor RH
D15	6	★	B-2		Outer mirror assembly RH (Without turn signal light)
	8	★	B-2		Outer mirror assembly RH (With turn signal light)
D17	5	★	B-2		Front power window sub-switch
D18	2	Gray	B-3		Front door lock actuator RH
D20	2	★	B-3		Front step light RH
D22	8	★	B-3	R10	Rear wiring harness RH
D23	2	Black	C-5		Rear door speaker LH
D24	2	Green	B-4		Rear power window motor LH
D25	5	★	B-5		Rear power window sub-switch LH
D26	2	Gray	B-5		Rear door lock actuator LH
D28	8	★	C-4	R13	Rear wiring harness LH
D29	2	Black	B-3		Rear door speaker RH
D30	2	Green	B-3		Rear power window motor RH
D31	5	★	B-3		Rear power window sub-switch RH
D32	2	Gray	B-4		Rear door lock actuator RH
D72	2	Gray	C-4		Front door lock actuator LH
D82	3	Brown	C-4		Door key switch
D83	25	★	C-3	i76	Instrument panel wiring harness
D84	25	★	B-1	i101	
D93	2	★	C-3		Front door tweeter LH
D97	2	★	B-2		Front door tweeter RH
D125	5	Black	B-2		Passenger's seat door lock switch

★ : White or natural color

Door Cord

WIRING SYSTEM



WI-09856

61.Rear Wiring Harness and Trunk Lid Cord

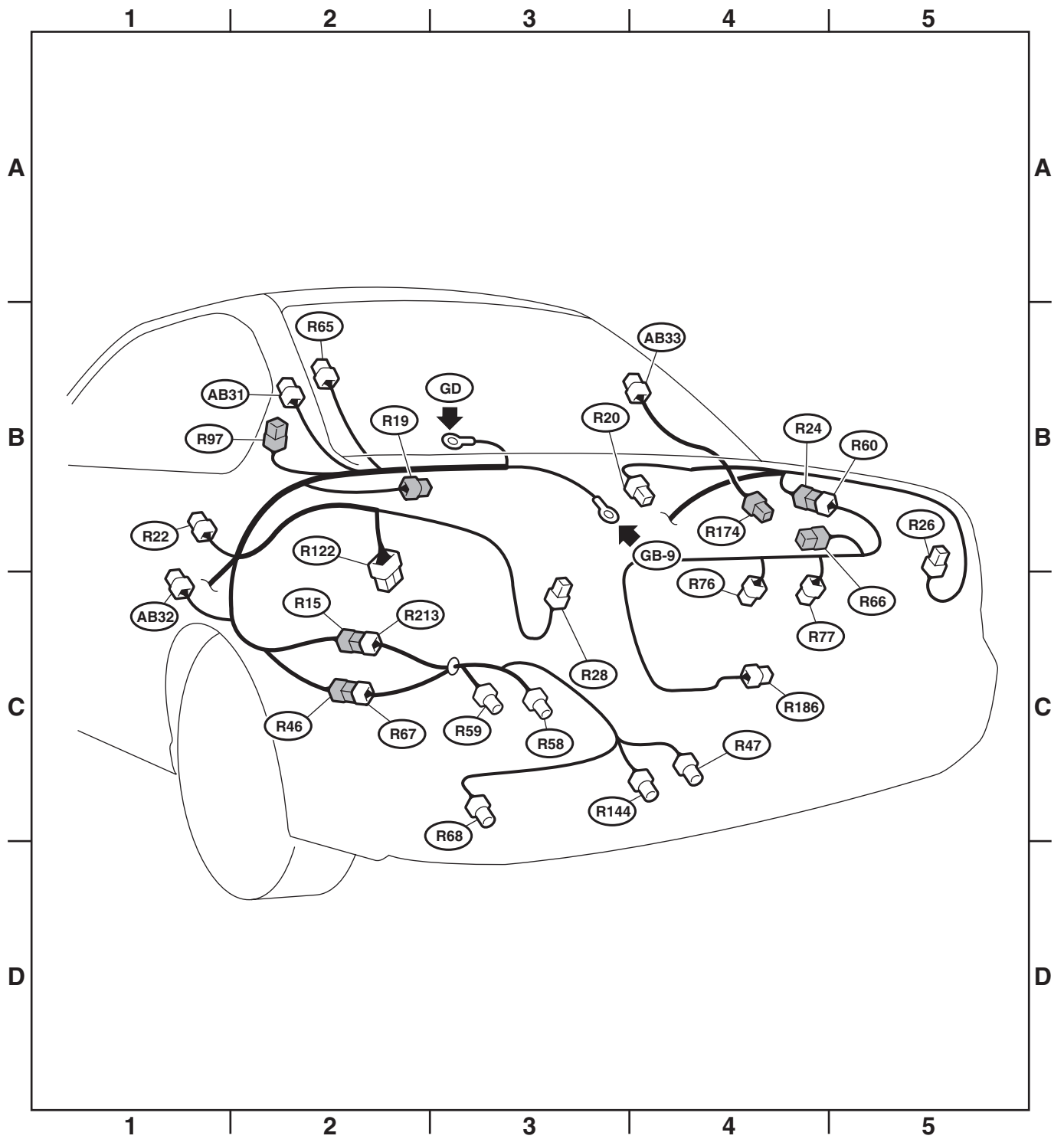
A: LOCATION

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
R15	8	★	C-2	R213	Fuel cord
R19	2	★	B-2		High-mounted stop light
R20	2	★	B-4		Trunk room light
R22	3	★	B-1		Rear door switch LH
R24	8	★	B-4	R60	Trunk lid cord
R26	6	★	B-5		Rear combination light RH
R28	6	★	C-3		Rear combination light LH
R46	6	★	C-2	R67	Fuel cord
R47	3	Black	C-4		Fuel tank pressure sensor
R58	6	Gray	C-3		Fuel pump assembly
R59	2	★	C-3		Fuel sub level sensor
R60	8	★	B-4	R24	Rear wiring harness
R65	1	★	B-2		Rear defogger
R66	2	★	B-4		High-mounted stop light (Rear spoiler)
R67	6	★	C-2	R46	Rear wiring harness
R68	2	Dark gray	C-3		Pressure control solenoid valve
R76	2	★	C-4		License plate light LH
R77	2	★	C-4		License plate light RH
R97	1	★	B-2		Radio antenna
R122	10	★	C-2		Fuel pump control unit
R144	2	Gray	C-4		Drain valve
R174	1	★	B-4		Rear defogger
R186	3	★	C-4		Trunk lid actuator & switch
R213	8	★	C-2		Rear wiring harness
★ : White or natural color					

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
AB31	2	Yellow	B-2	AB39	Inflator (Curtain) LH
AB32	4	Yellow	C-1		Curtain airbag sensor LH
AB33	2	Yellow	B-4	AB40	Inflator (Curtain) RH

Rear Wiring Harness and Trunk Lid Cord

WIRING SYSTEM



WI-13309

62.Rear Wiring Harness and Rear Gate Cord

A: LOCATION

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
R15	8	★	C-1	R213	Fuel cord
R22	3	★	C-1		Rear door switch LH
R26	4	★	C-4		Rear combination light RH
R28	4	★	C-3		Rear combination light LH
R32	2	★	C-2		Rear accessory power supply socket (Luggage room)
R38	8	★	C-5	D34	Rear gate cord
R39	10	★	C-5	D35	
R46	6	★	D-1	R67	Fuel cord
R47	3	Black	C-4		Fuel tank pressure sensor
R58	6	Gray	D-2		Fuel pump assembly
R59	2	★	D-2		Fuel sub level sensor
R67	6	★	D-2	R46	Rear wiring harness
R68	2	Dark gray	D-3		Pressure control solenoid valve
R79	6	★	B-2		Trailer connector
R97	1	★	B-2		Radio antenna
R122	10	Black	C-2		Fuel pump control unit
R144	2	Gray	D-3		Drain valve
R213	8	★	C-1	R15	Rear wiring harness

★ : White or natural color

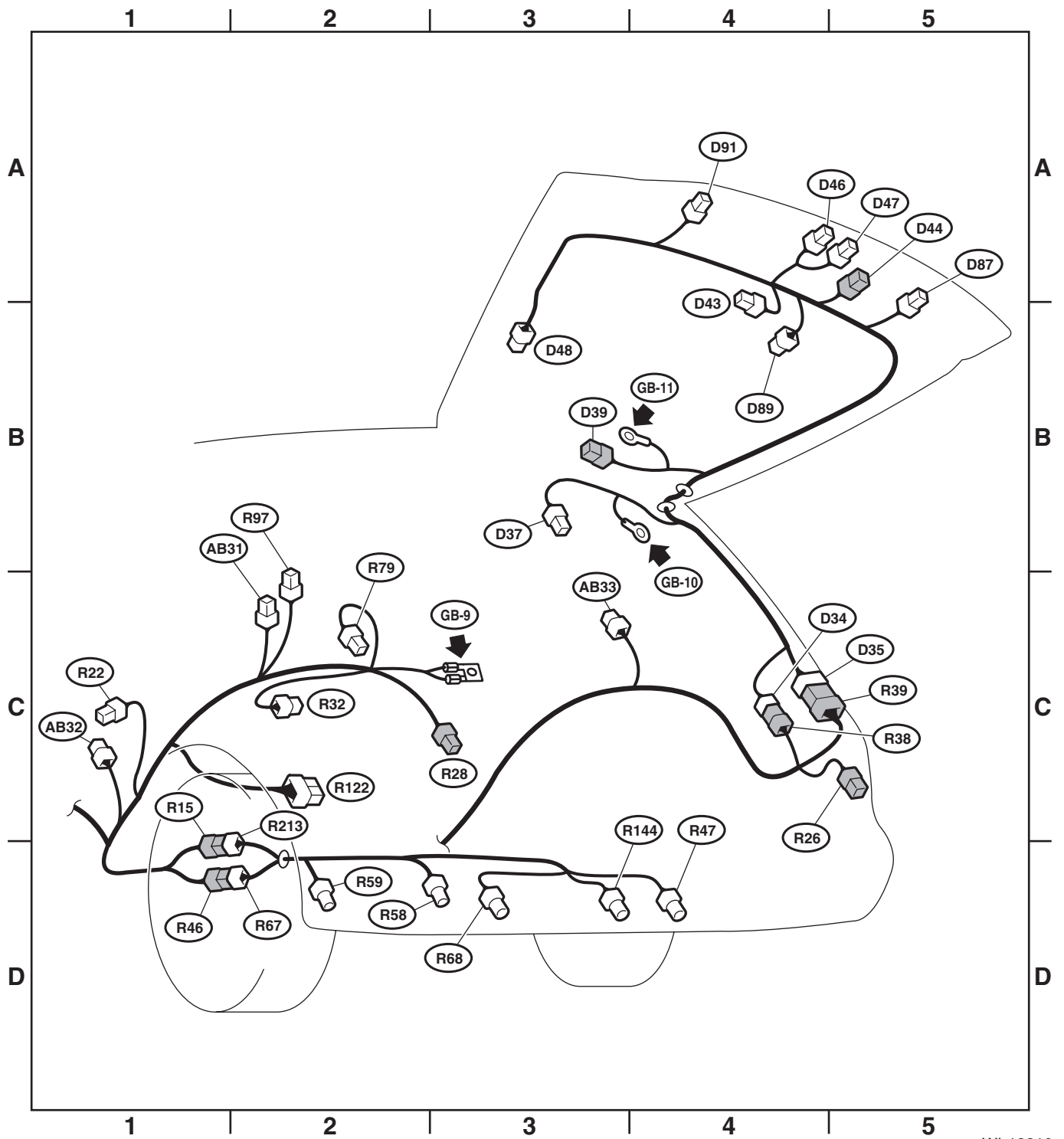
Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
D34	8	★	C-4	R38	Rear wiring harness
D35	10	★	C-5	R39	
D37	3	★	B-3		Luggage room light
D39	2	★	B-3		High-mounted stop light
D43	4	★	B-4		Rear wiper motor
D44	2	★	A-5		License plate light
D46	2	Black	A-4		Rear gate latch switch
D47	2	Gray	A-5		Rear gate lock actuator
D48	1	Black	B-3		Rear defogger
D87	2	Gray	A-5		Back-up light RH
D89	1	★	B-4		Rear defogger
D91	2	Gray	A-4		Back-up light LH

★ : White or natural color

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
AB31	2	Yellow	B-1	AB39	Inflator (Curtain) LH
AB32	4	Yellow	C-1		Curtain airbag sensor LH
AB33	2	Yellow	C-3	AB40	Inflator (Curtain) RH

Rear Wiring Harness and Rear Gate Cord

WIRING SYSTEM



WI-13310