

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.

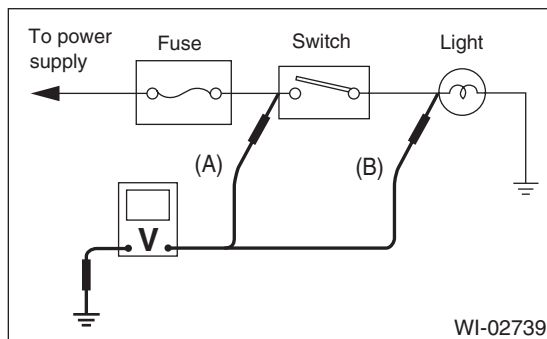
5. SYSTEM OPERATION CHECK

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) Touch connector (B) with the positive probe. 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.

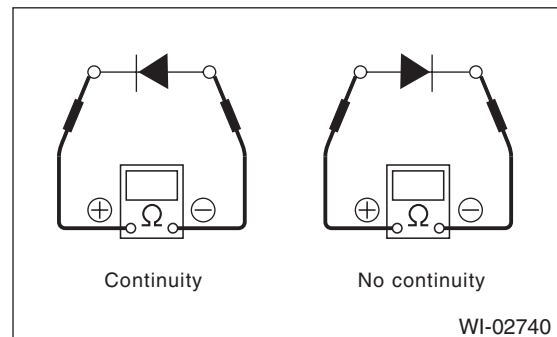
2. CIRCUIT CONTINUITY CHECKS

- 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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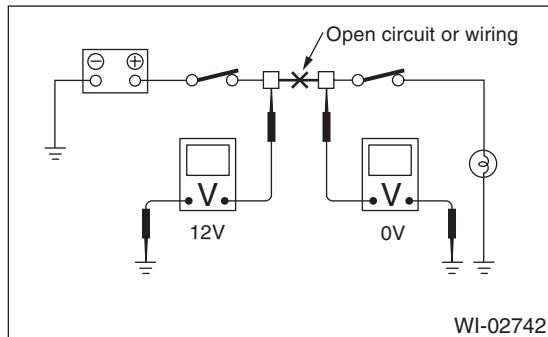
Basic Diagnostic Procedure

WIRING SYSTEM

3. HOW TO DETERMINE AN OPEN CIRCUIT

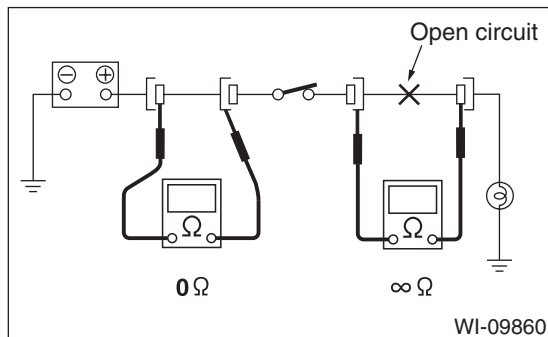
1) WITH VOLTMETER:

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:

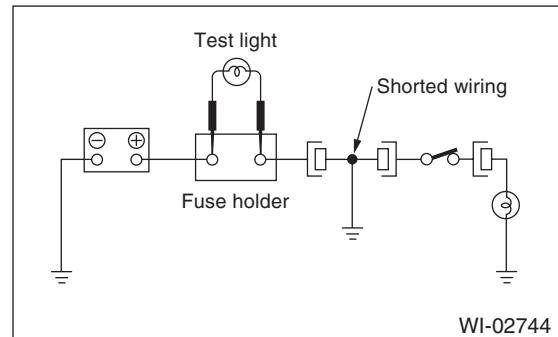
Disconnect all connectors affected, and check continuity in the wiring between adjacent connectors. When the ohmmeter indicates "infinite", the wiring is open.



4. HOW TO DETERMINE A SHORT CIRCUIT

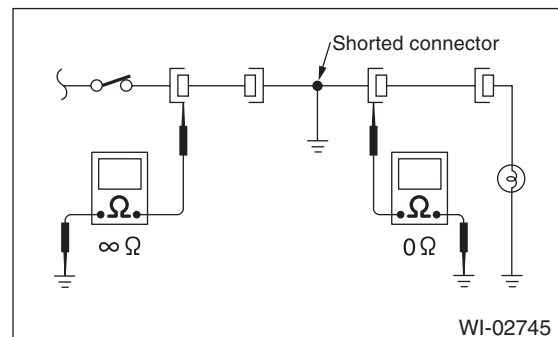
1) WITH TEST LIGHT:

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.



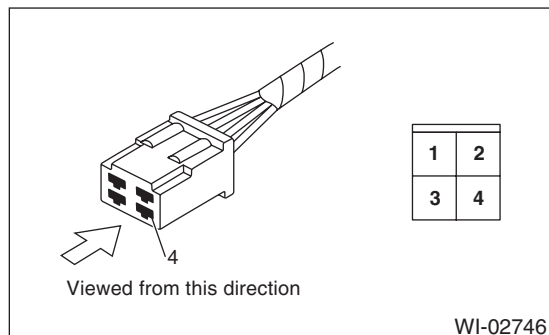
C: HOW TO READ WIRING DIAGRAMS

1. WIRING DIAGRAM

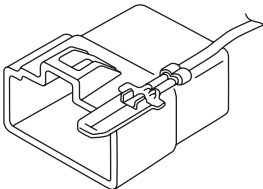
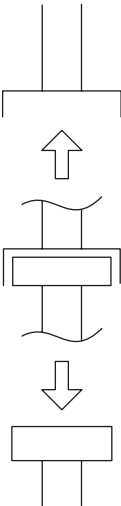
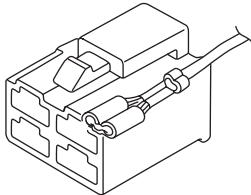
The wiring diagram of each system is illustrated so that you can understand the path through which the electric current flows from the battery.

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. <table border="1"><tr><td>4</td><td>3</td><td></td><td>2</td><td>1</td></tr><tr><td>9</td><td>8</td><td>7</td><td>6</td><td>5</td></tr></table> Indicates the number of poles.	4	3		2	1	9	8	7	6	5		Numbered in order from upper right to lower left.
4	3		2	1									
9	8	7	6	5									
	Indicates a lock is included. <table border="1"><tr><td>1</td><td>2</td><td></td><td>3</td><td>4</td></tr><tr><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td></tr></table> Single frame	1	2		3	4	5	6	7	8	9		Numbered in order from upper left to lower right.
1	2		3	4									
5	6	7	8	9									

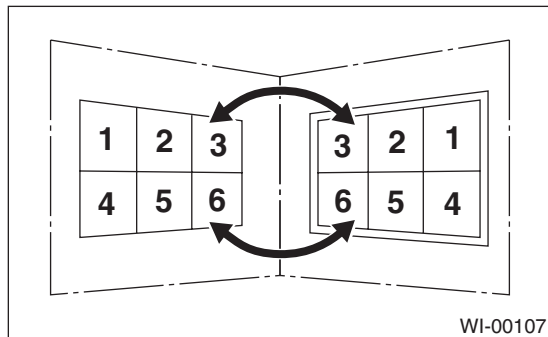
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Basic Diagnostic Procedure

WIRING SYSTEM

- 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.



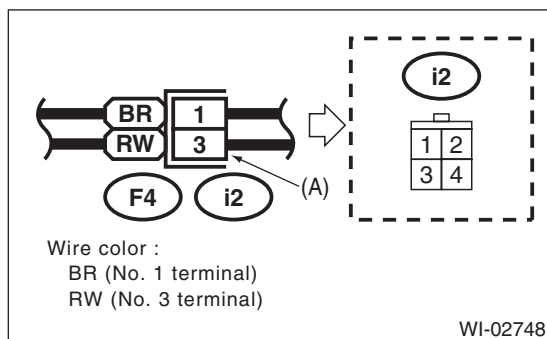
• WIRING DIAGRAM:

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

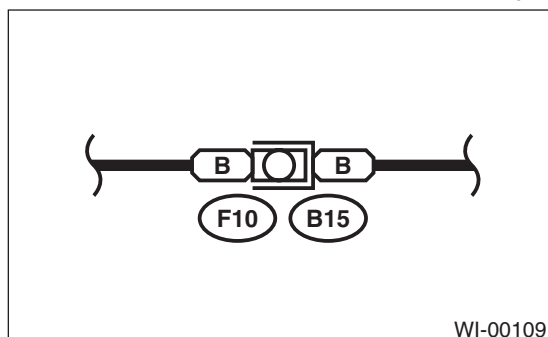
- The sketch of each connector in the wiring diagram usually shows the (A) side of the connector. The relationship between the wire color, terminal number and connector is described in the figure.

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.

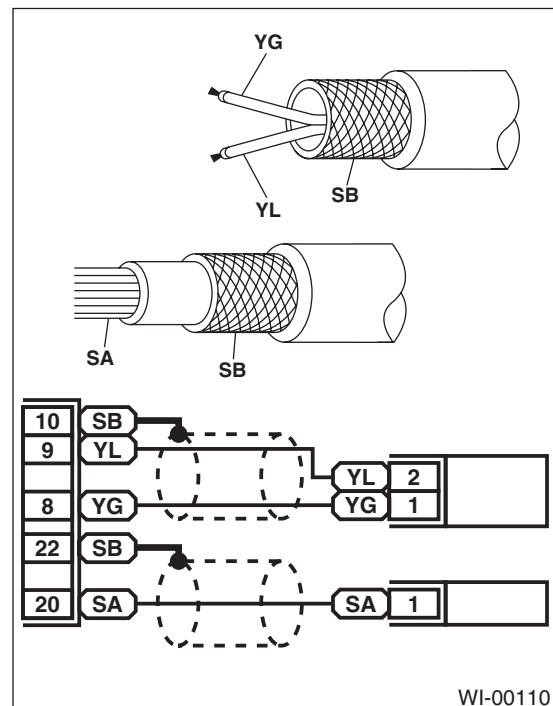


- In the wiring diagram, connectors which have no terminal number refer to one-pole types. Sketches of these connectors are omitted intentionally.

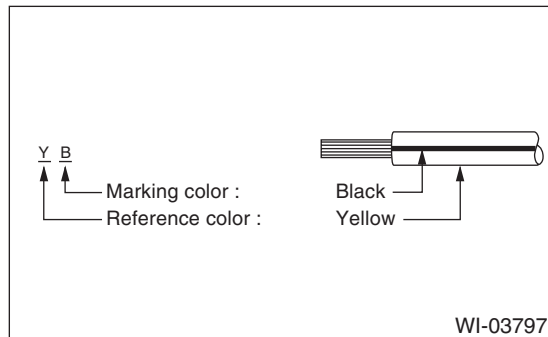


- The following color codes are used to indicate the colors of the wires.

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:

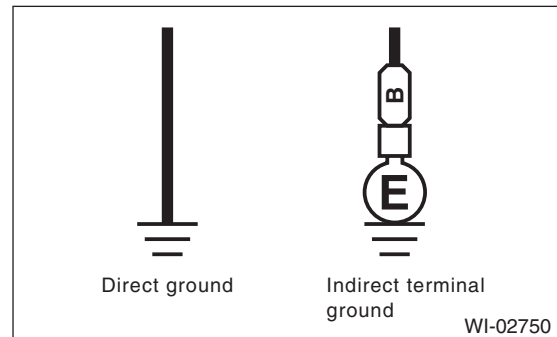
When replacing or repairing a wire, be sure to use the same size and type of the wire which was originally used.

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

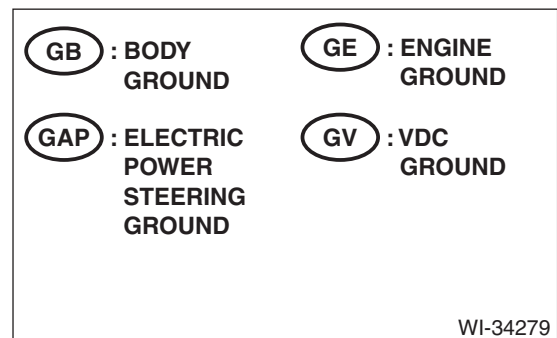
- Each unit is either directly grounded to the body or indirectly grounds through a harness ground terminal. Different symbols are used in the wiring diagram to identify the two grounding systems.



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

NOTE:

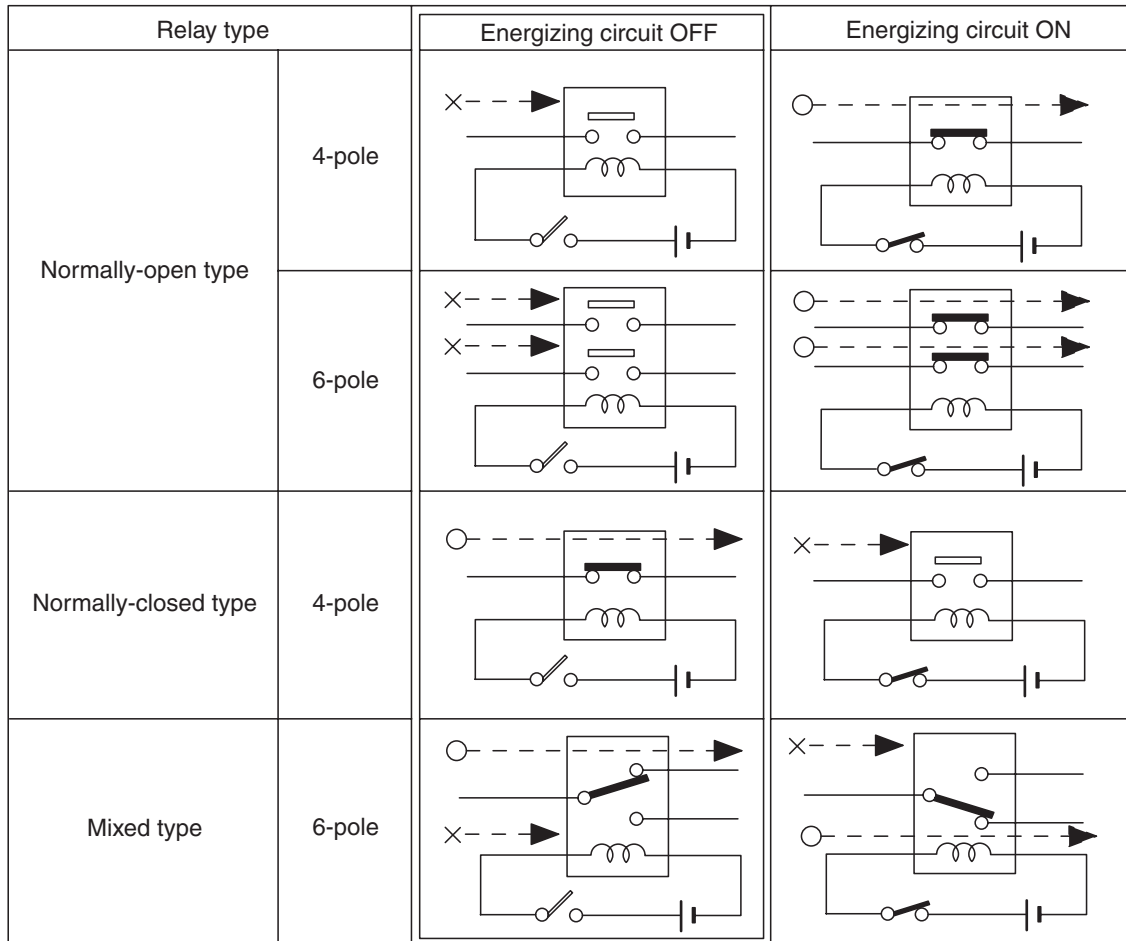
All wiring harnesses are provided with a ground point which must be securely connected.



Basic Diagnostic Procedure

WIRING SYSTEM

- 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.



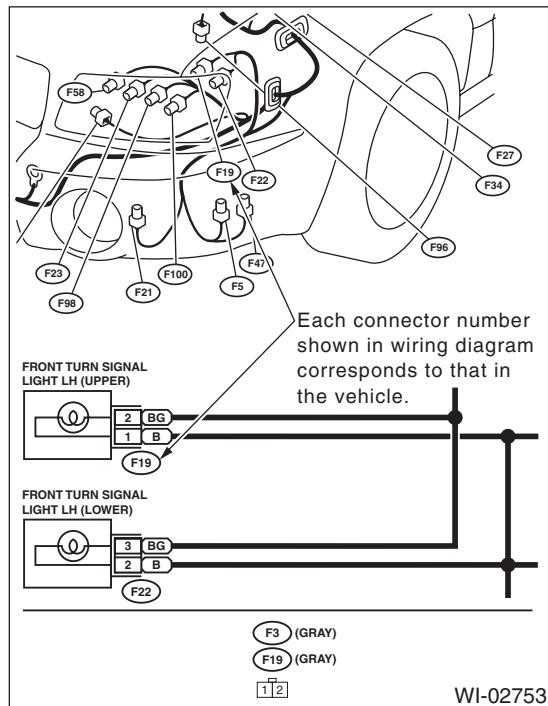
Key to symbols:

- —▶ : 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
AB	Airbag wiring harness



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 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

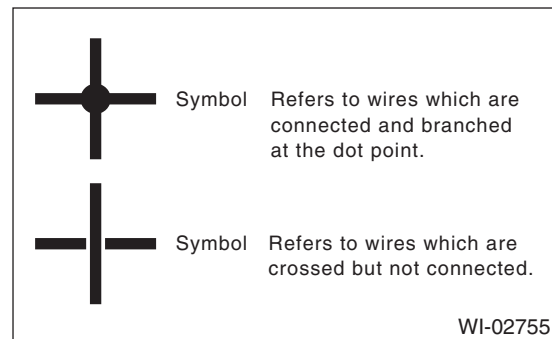
A symbol is used to indicate a diode.

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.

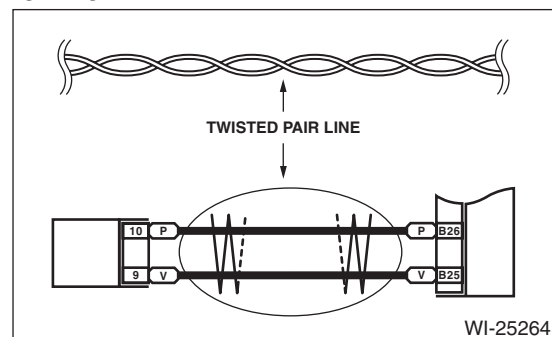
Accordingly, using the "DC POWER SUPPLY CIRCUIT" and wiring diagrams permits service personnel to understand the entire electrical arrangement of a system.

12. CLASSIFICATION BY SPECIFICATION

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

13. TWISTED PAIR LINE

The twisted pair line is indicated by a symbol in the wiring diagrams.

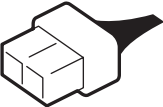
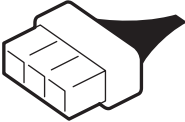
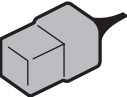
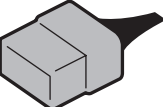
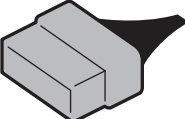
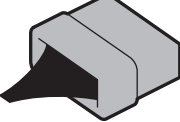


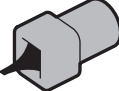
Basic Diagnostic Procedure

WIRING SYSTEM

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
ABS	Anti-lock Brake System
ACC	Accessory
A/C	Air Conditioner
ASSY	Assembly
AT	Automatic Transmission
A/F	Air/Fuel (Air fuel ratio sensor)
ATF	Automatic Transmission Fluid
AUX	Auxiliary Audio Input Terminal
AWD	All Wheel Drive
B	Battery
CAN	Controller Area Network
CM	Control Module
CVT	Continuously Variable Transmission
D	Drive range or Down
DN	Down
E	Ground
ELCM	Evaporative Leak Check Module
ECO	Economy
ECM	Engine control module
EEPROM	Electrically Erasable Programmable Read-Only Memory
EGR	Exhaust Gas Recirculation
F/B	Fuse & Relay Box
FL	Front Left
FR	Front Right
G	Gravity (G sensor)
H/L	Headlight
HI	High
I/F	Interface
IG	Ignition
INT	Intermittent
J/C	Joint Connector
LCD	Liquid Crystal Display
LH	Left Hand
LO	Low
LWR	Lower
M	Motor
M/B	Main Fuse Box
MFD	Multi Function Display
MT	Manual Transmission
N	Neutral Range
NAVI	Navigation
OP	Open or Optional Parts
P	Parking or Parking range
PASS	Passing
PCV	Positive Crankcase Ventilation Valve
R	Reverse Range
RH	Right Hand

Abbr.	Full name
RL	Rear Left
RR	Rear Right
SBF	Slow Blow Fuse
ST	Starter
SW	Switch
TCM	Transmission Control Module
TFT	Thin Film Transistor
TPMS	Tire Pressure Monitor System
UPR	Upper
VDC	Vehicle Dynamics Control
WASH	Washer

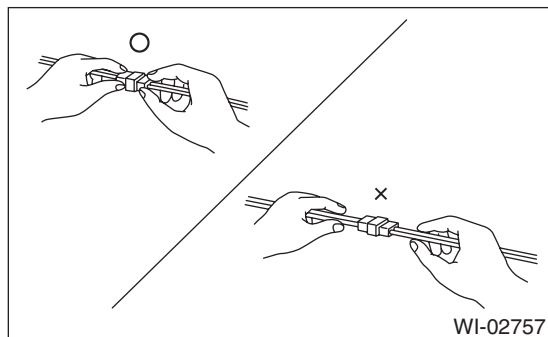
2. Working Precautions

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.

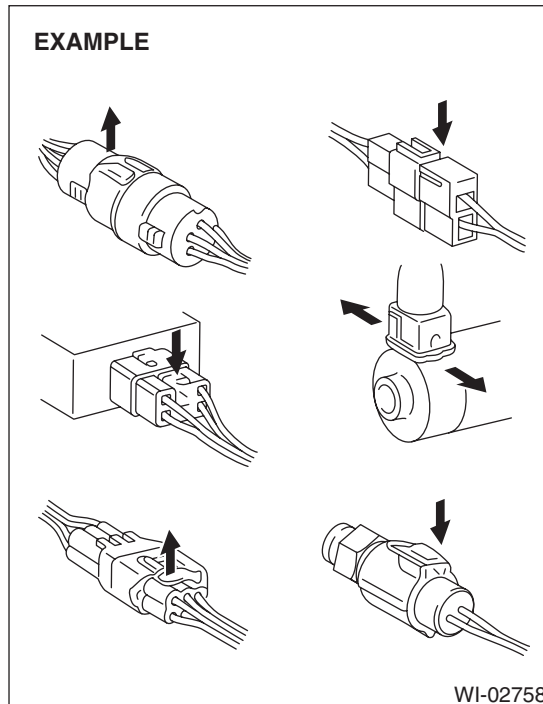
B: PRECAUTIONS IN TROUBLE DIAGNOSIS AND REPAIR OF ELECTRIC PARTS

- 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, edges, bolts or screws.
- 3) When installing parts, be careful not to catch them on the wiring harness.
- 4) When disconnecting a connector, do not pull the wires, but pull while holding the connector body.



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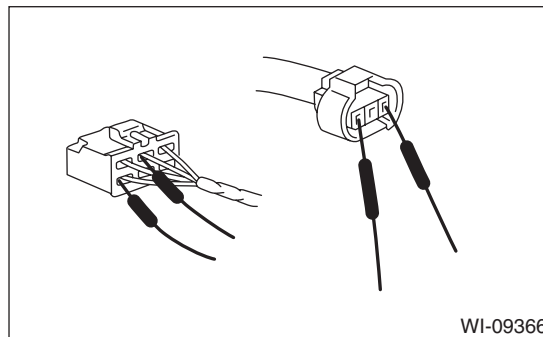
- 5) Some connectors are provided with a lock. One type of such a connector is disconnected by pushing the lock, and the other, by moving the lock up. In either type the lock shape must be identified before attempting to disconnect the connector. To connect, insert the connector until it snaps and confirm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



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- 6) When checking continuity between connector terminals, or measuring voltage across the terminal and ground, always touch tester probe(s) to 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), touch test probes on the terminal side and be careful not to bend or damage the terminals.



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

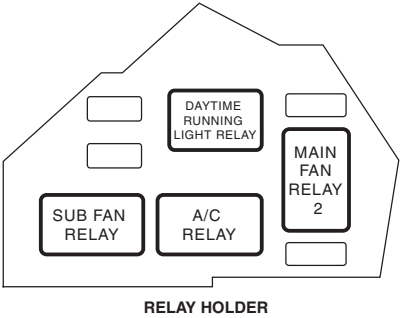
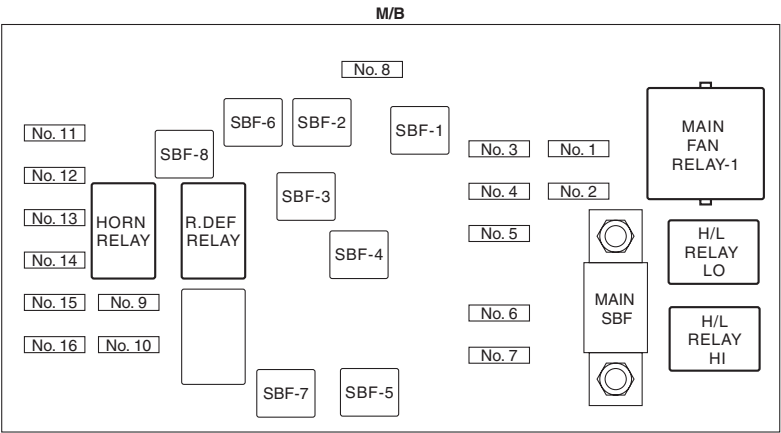
3. Power Supply Circuit

A: WIRING DIAGRAM

- Engine room side

P-SUP-01

P-SUP-01



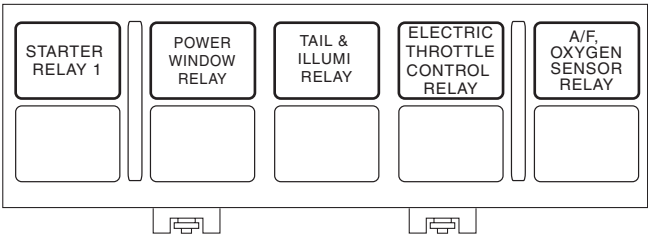
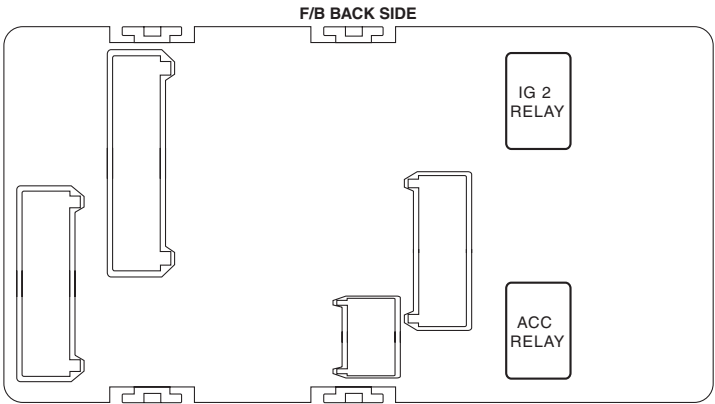
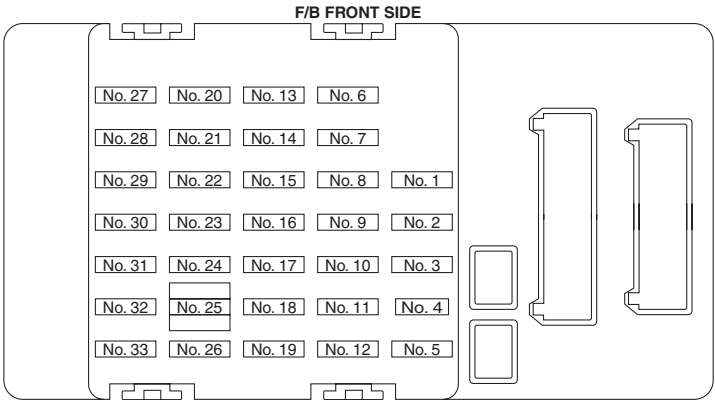
Power Supply Circuit

WIRING SYSTEM

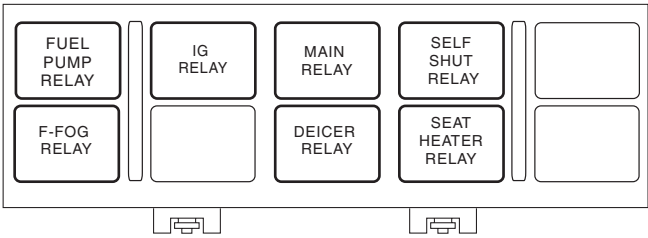
- Passenger room side

P-SUP-02

P-SUP-02



RELAY HOLDER

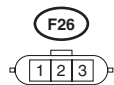
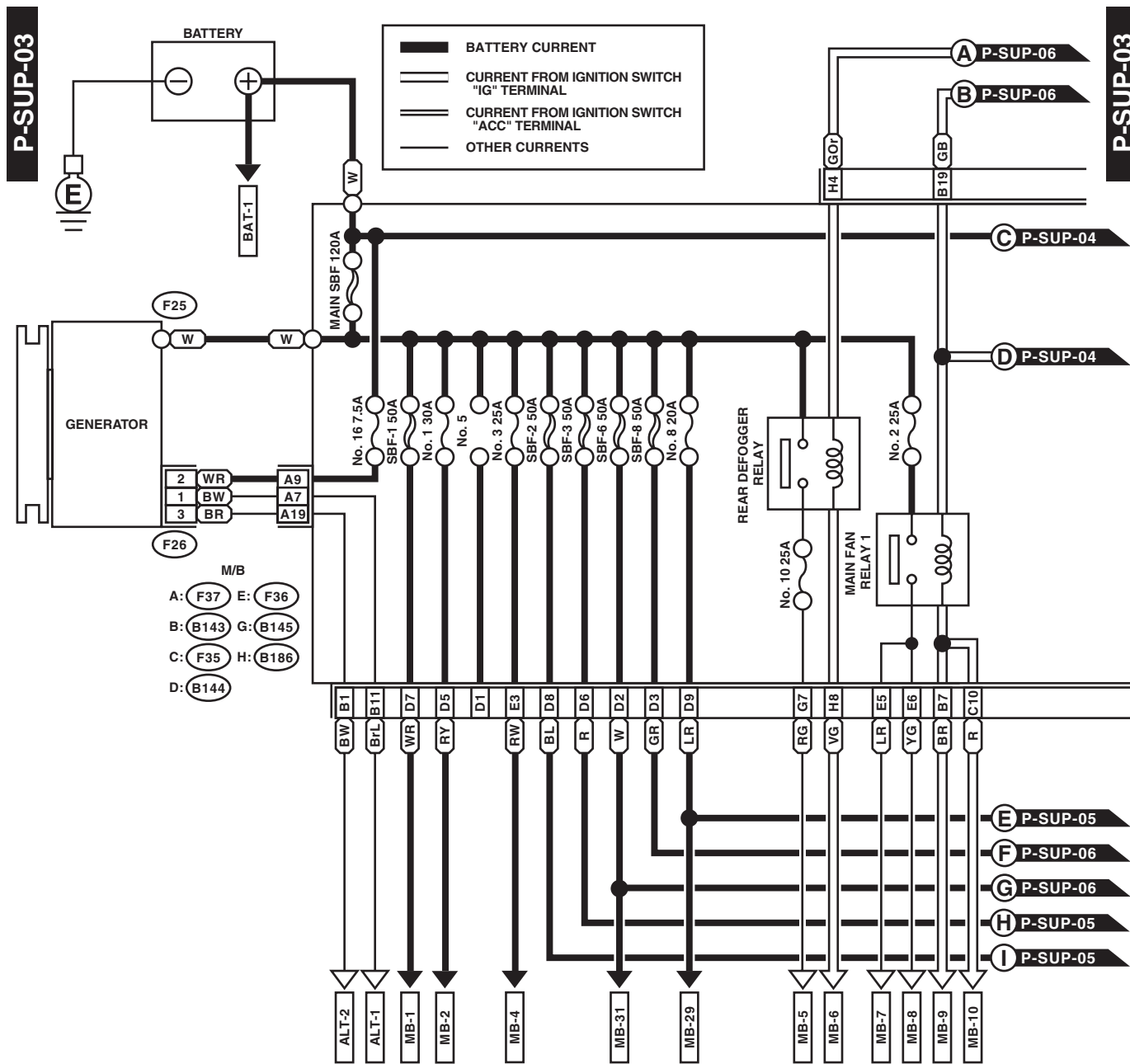


RELAY HOLDER

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Power Supply Circuit

WIRING SYSTEM



A: F37



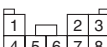
G: B145 (BROWN)



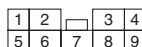
E: F36



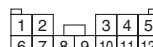
H: B186



D: B144 (BROWN)



C: F35 (BLUE)



B: B143



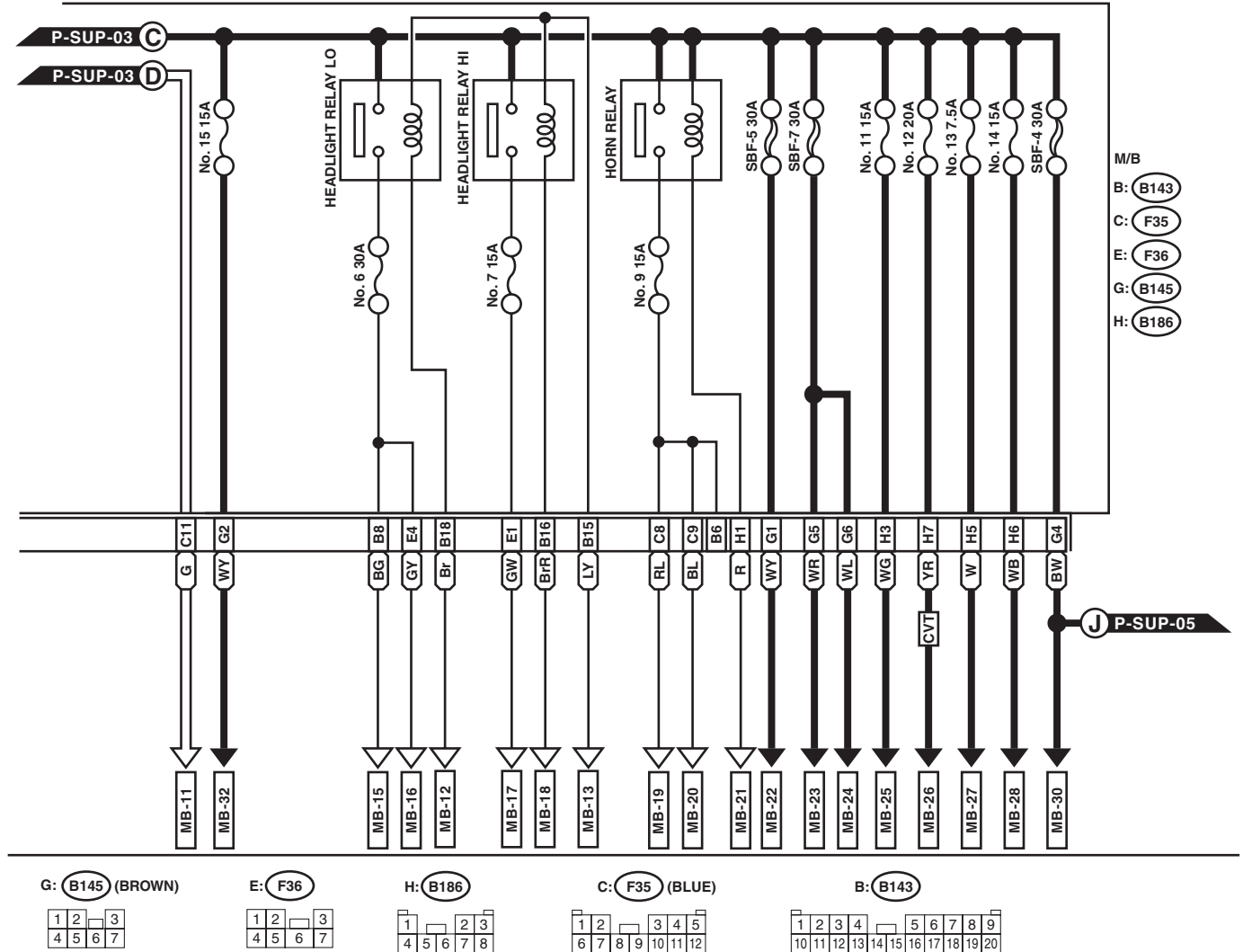
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Power Supply Circuit

WIRING SYSTEM

P-SUP-04

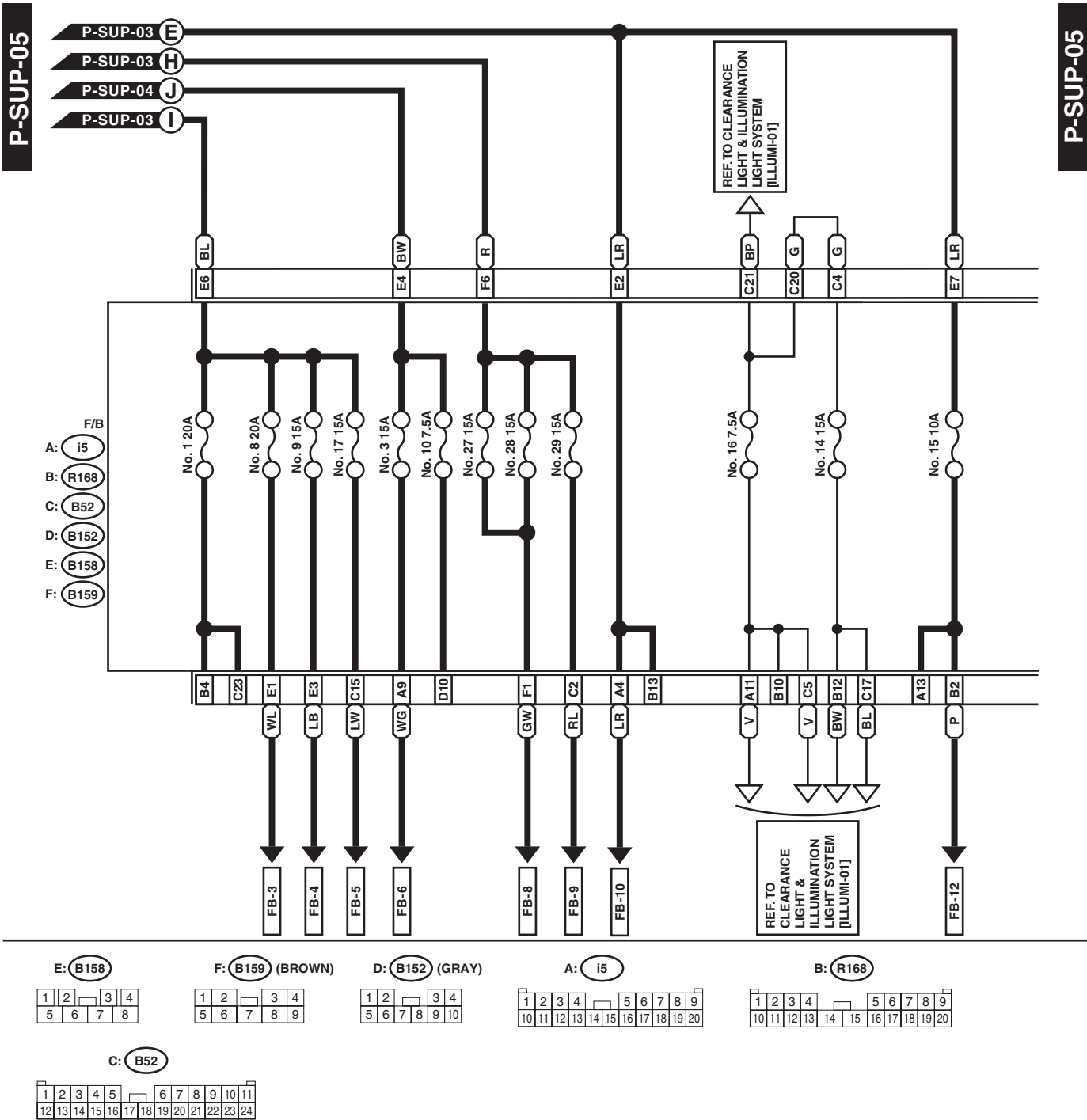
P-SUP-04



WI-34137

Power Supply Circuit

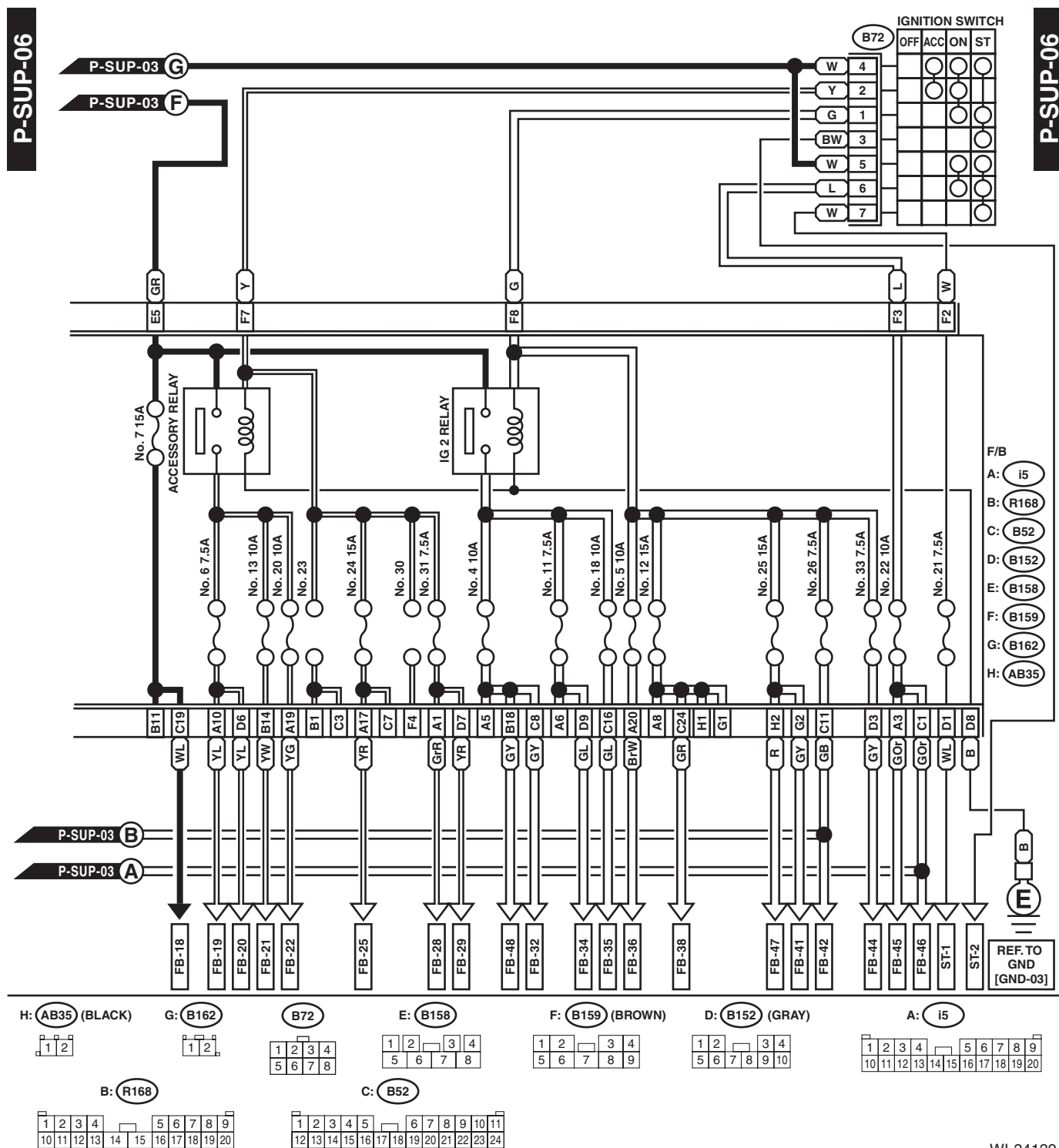
WIRING SYSTEM



WI-34138

Power Supply Circuit

WIRING SYSTEM



Power Supply Circuit

WIRING SYSTEM

No.	Load
MB-1	VDC CM
MB-2	VDC CM
MB-4	Sub fan relay
MB-5	Mirror heater LH
	Mirror heater RH
	Rear defogger
	A/C control panel
MB-6	Body integrated unit
MB-7	Main fan relay 2
MB-8	Main fan motor
MB-9	ECM
MB-10	Main fan relay 2
MB-11	Main fan relay 2
MB-12	Body integrated unit
MB-13	Body integrated unit
MB-15	Front fog light relay
MB-16	Front combination light LH
	Front combination light RH
MB-17	Daytime running light relay
MB-18	Body integrated unit
MB-19	Horn
MB-20	Horn
MB-21	Horn switch
	Body integrated unit
MB-22	A/F, oxygen sensor relay
MB-23	Main relay
	IG relay
MB-24	Electronic throttle control relay
MB-25	Fuel pump relay
MB-26	TCM
	Self shut relay
MB-27	ECM
	Data link connector
MB-28	Key warning switch
	Turn signal and hazard unit
	Body integrated unit
MB-29	Spot map light
	Room light
	Body integrated unit
	Immobilizer antenna
MB-30	Power window circuit breaker
MB-31	Wiper relay
MB-32	Tail & Illumination relay
	Daytime running light relay
ALT-1	Combination meter
ALT-2	ECM
ST-1	Starter relay 1
	Clutch start switch
ST-2	Starter relay 1
FB-3	Stop light and brake switch

No.	Load
FB-4	Wiper deicer relay
FB-5	Seat heater relay
FB-6	Body integrated unit
FB-8	Blower motor relay
FB-9	Front fog light relay
FB-10	Audio
	MFD
	Navigation unit
FB-12	Keyless entry CM
	TPMS & keyless entry CM
	Trunk room light (4 door model)
	Luggage room light (5 door model)
FB-18	Combination meter
	Body integrated unit
	Impact sensor
	Air mix door actuator LH (with left/right independent air conditioner)
	Air mix door actuator RH (with left/right independent air conditioner)
	Mode door actuator
	Air mix door actuator (without left/right independent air conditioner)
	Security CM
	A/C control panel
FB-19	Remote control mirror switch
FB-20	Seat heater relay
	Rear view mirror
FB-21	Rear accessory power supply socket
FB-22	Front accessory power supply socket
FB-25	Audio
	Navigation unit
FB-28	A/C control panel
FB-29	Body integrated unit
FB-32	Clutch switch
	Impact sensor
	Data link connector
	Stop light and brake switch
	Wiper deicer relay
	Sunroof motor assembly
	Sunroof switch
	Sunroof switch (tilt)
FB-34	Turn signal and hazard unit
FB-35	Inhibitor switch
	Back-up light switch
	Auto headlight beam leveler CM
FB-36	Combination meter
	MFD

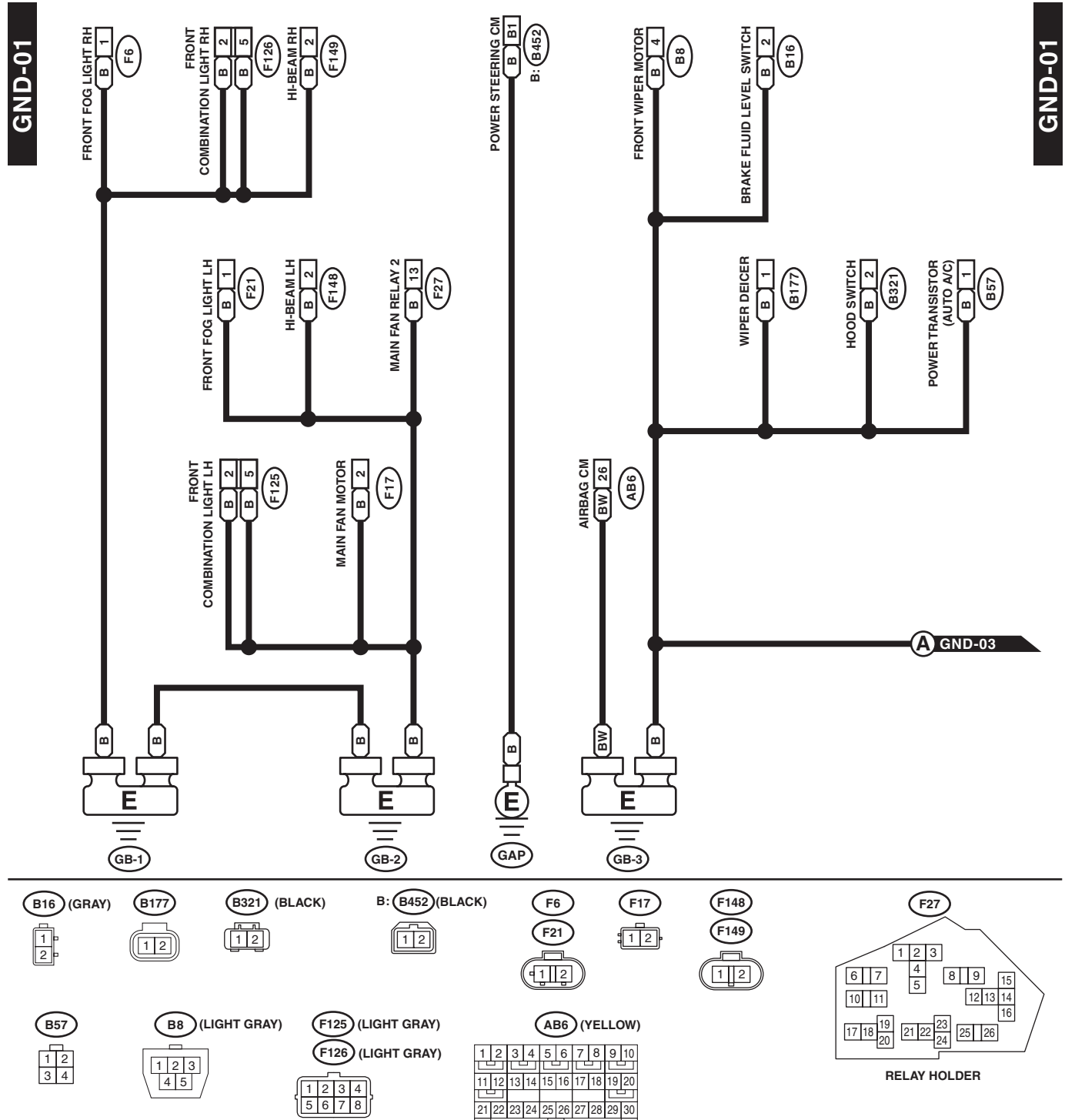
Power Supply Circuit

WIRING SYSTEM

No.	Load
FB-38	ECM
	TCM
	Body integrated unit
	Fuel pump relay
FB-41	Airbag CM
FB-42	Power window relay
	Wiper relay
FB-44	VDC CM
	Steering angle sensor
	Power steering CM
FB-45	A/C control panel
FB-46	A/C relay
	Sub fan relay
	Pressure switch
	Blower motor relay
FB-47	Occupant detection control module
FB-48	TPMS & keyless entry CM
BAT-1	Power steering CM

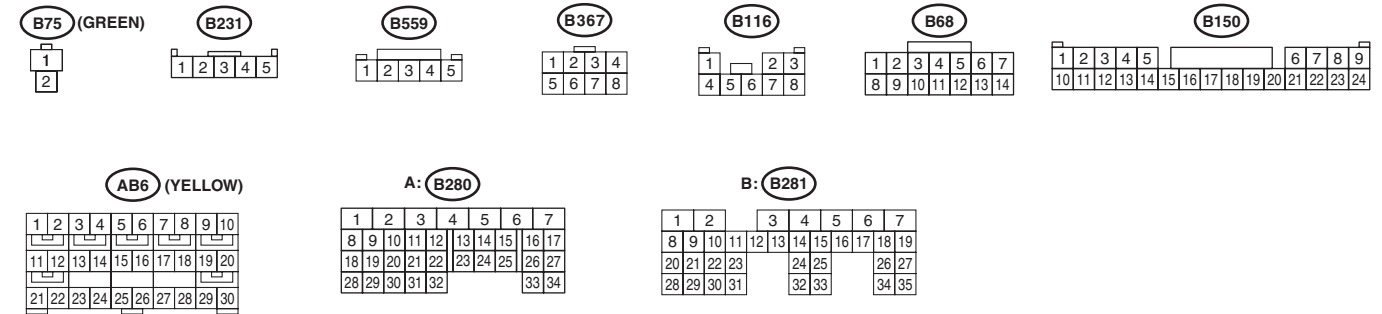
4. Ground Circuit

A: WIRING DIAGRAM



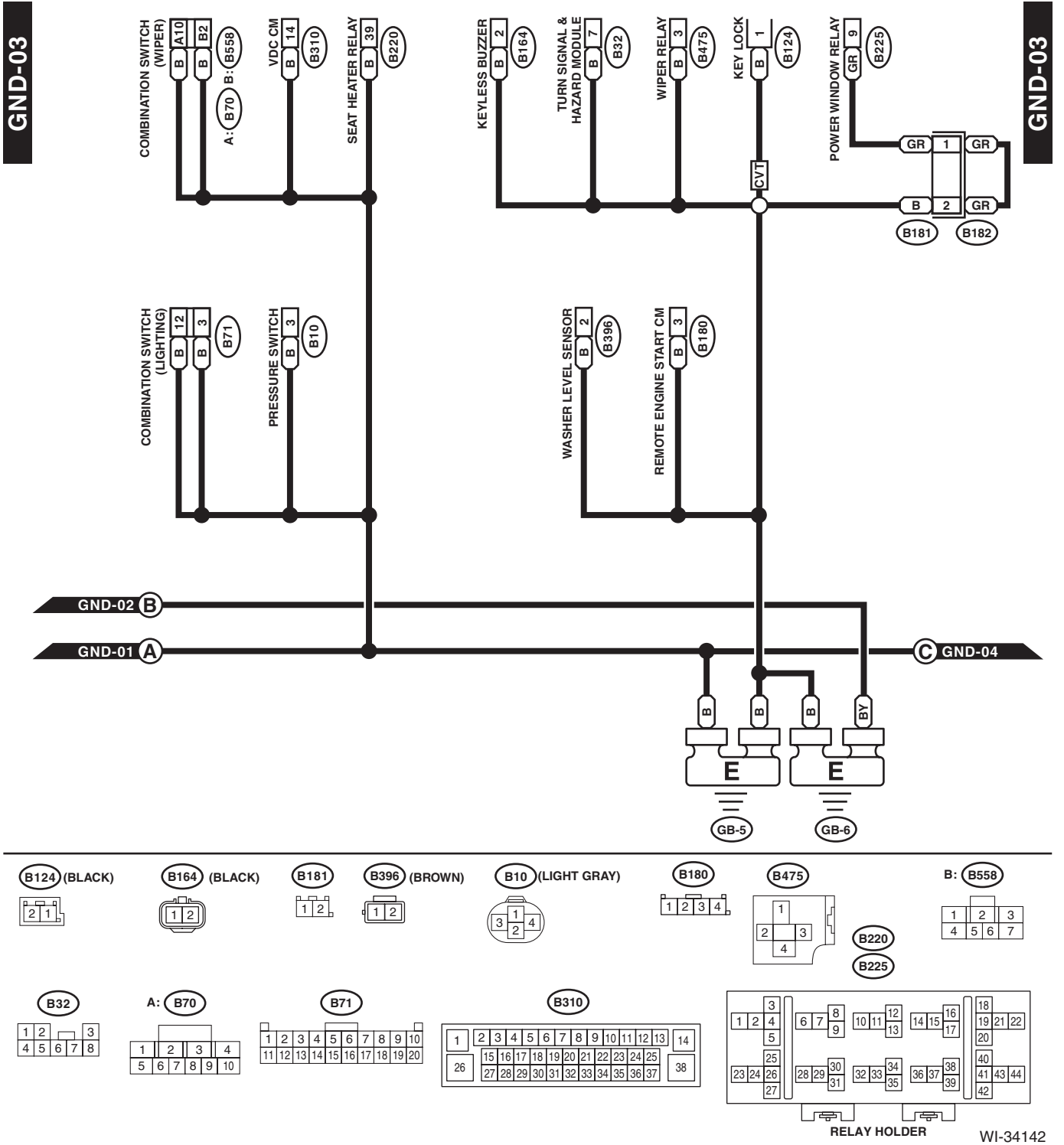
WI-34140

WIRING SYSTEM

**WI-24**

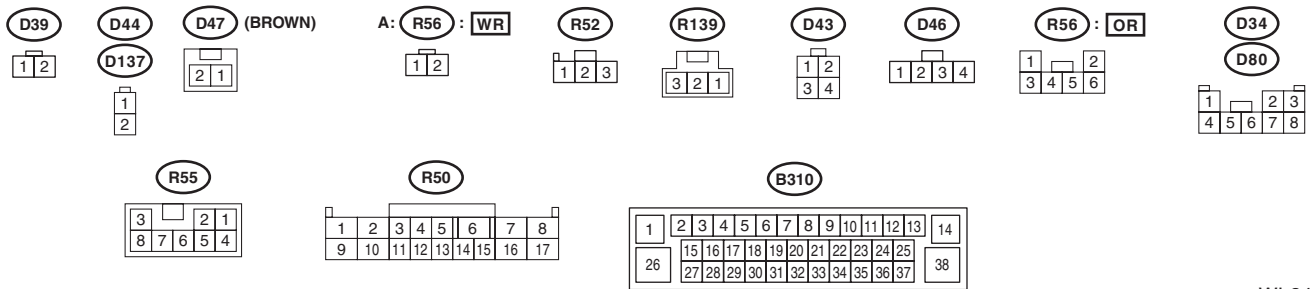
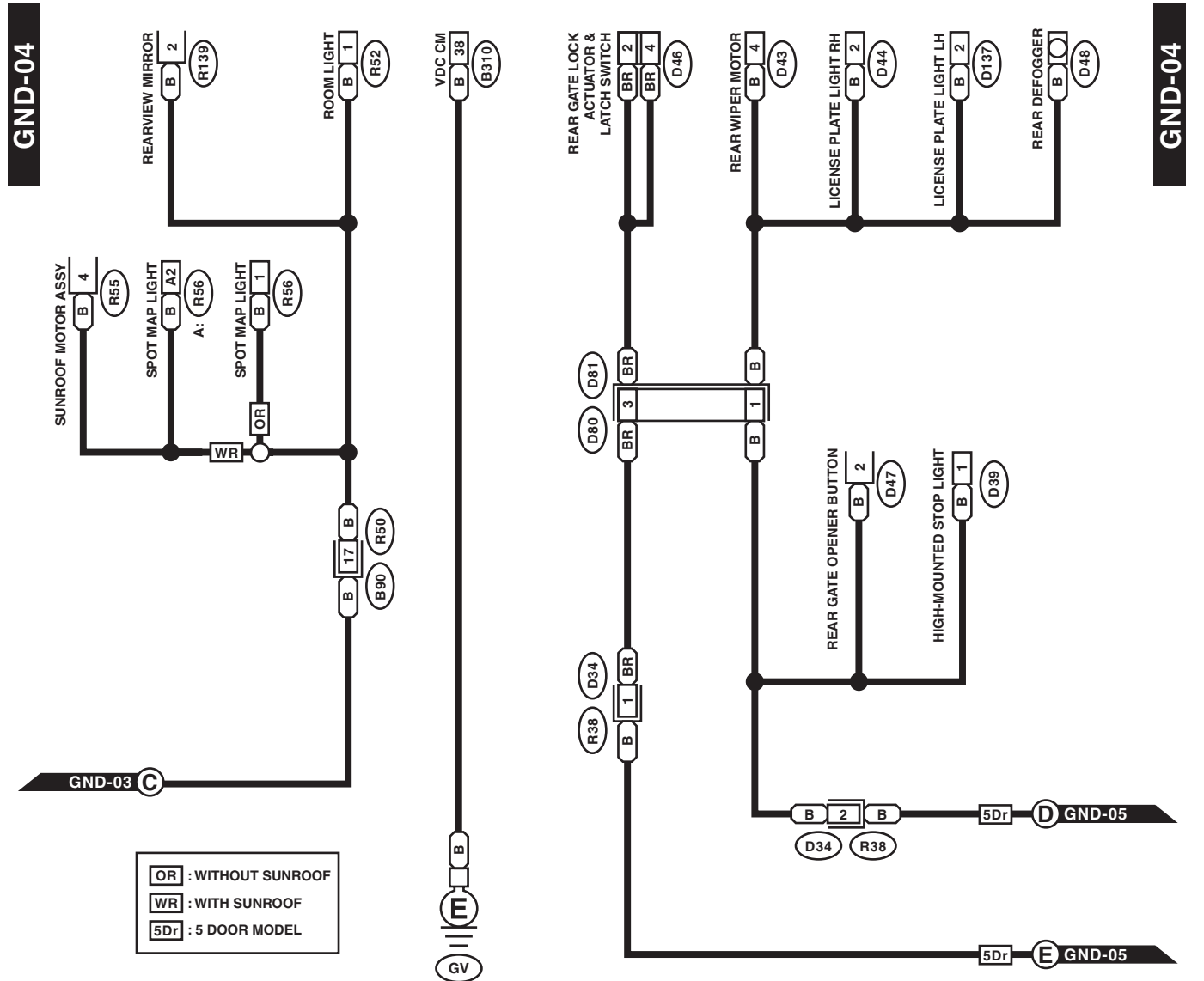
Ground Circuit

WIRING SYSTEM



Ground Circuit

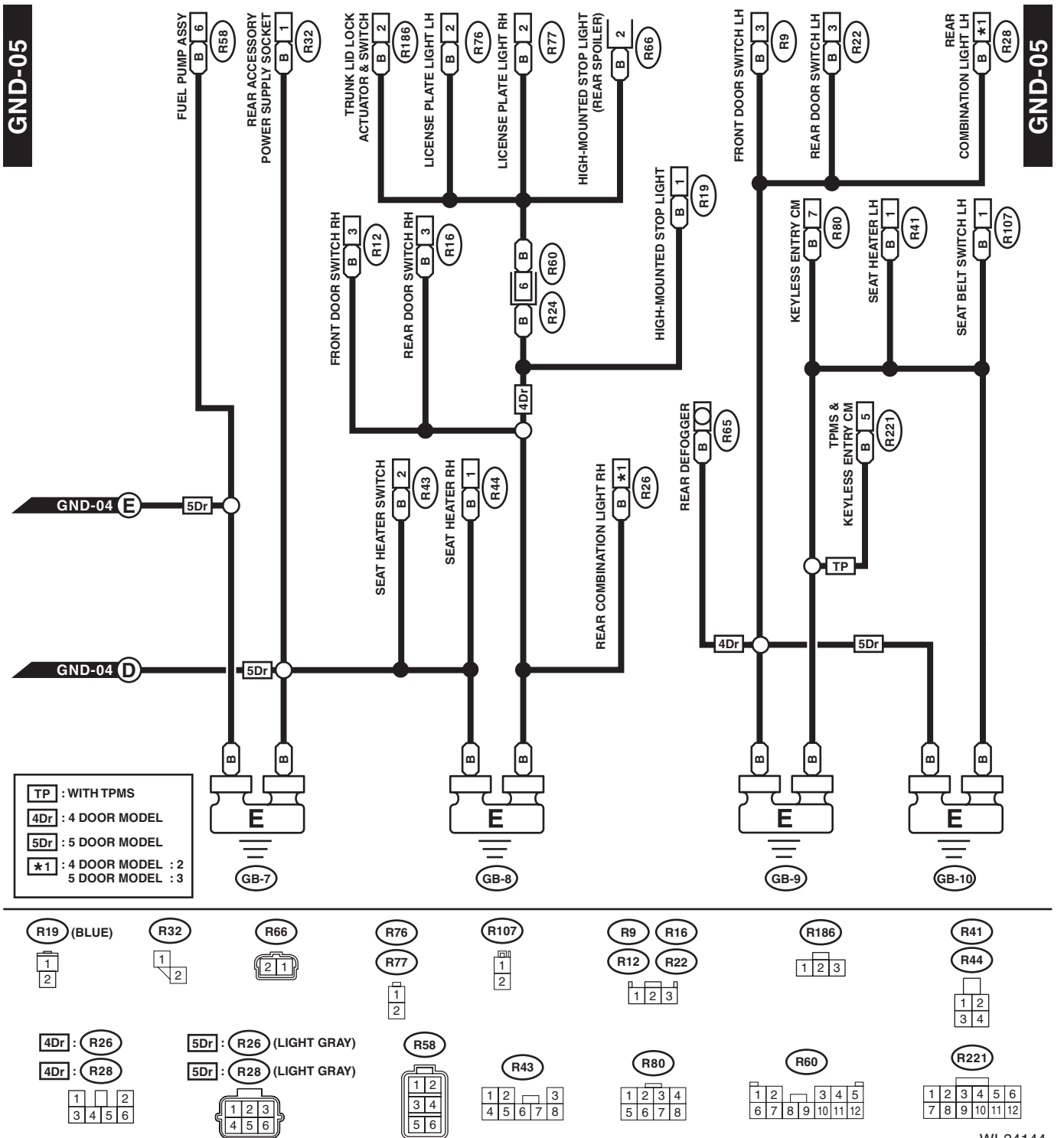
WIRING SYSTEM



WI-34143

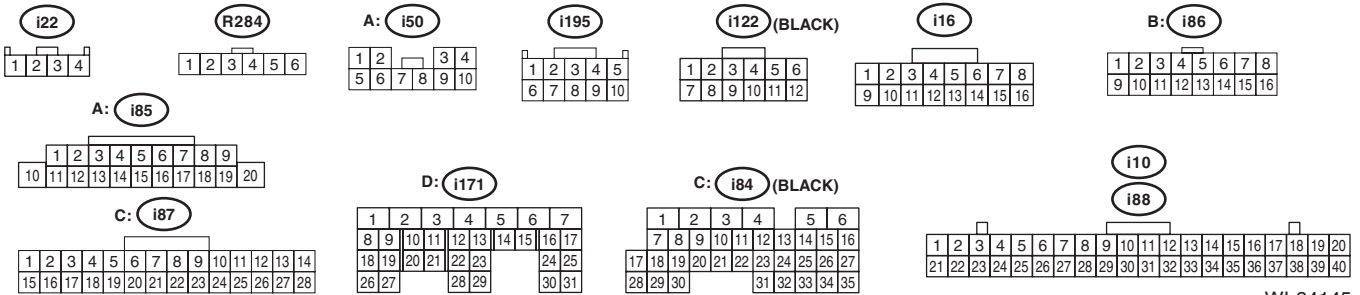
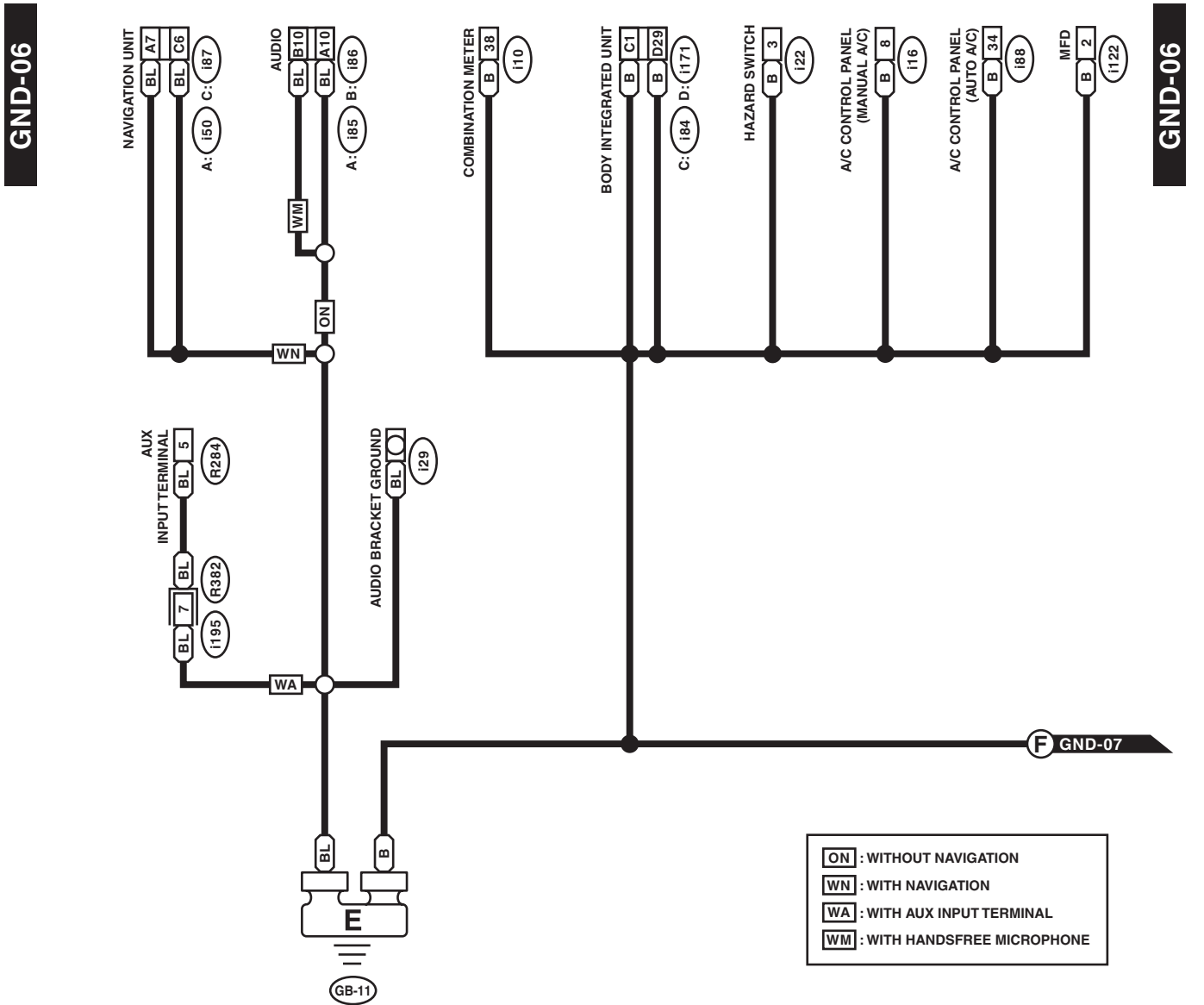
Ground Circuit

WIRING SYSTEM



Ground Circuit

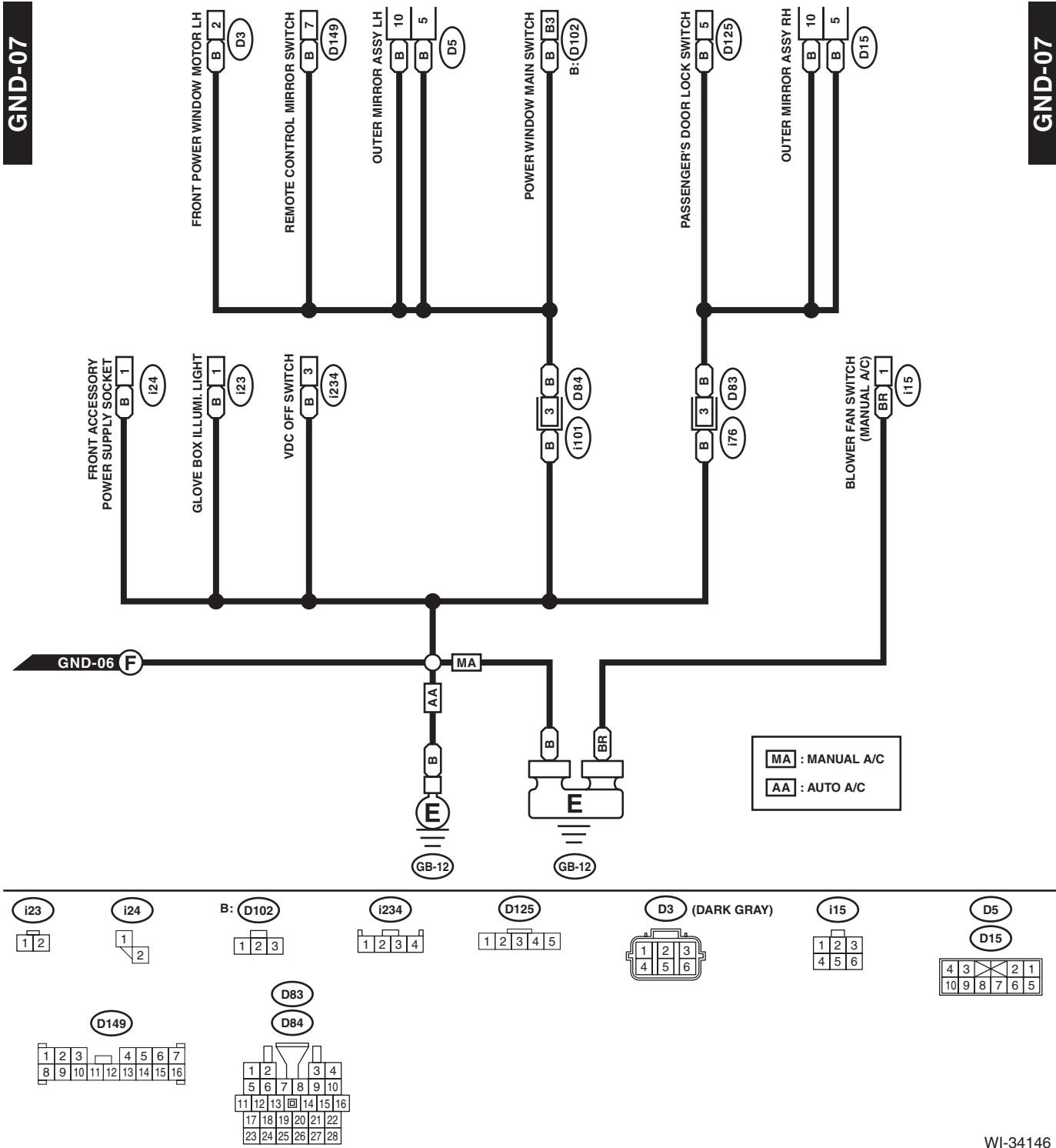
WIRING SYSTEM



WI-34145

Ground Circuit

WIRING SYSTEM



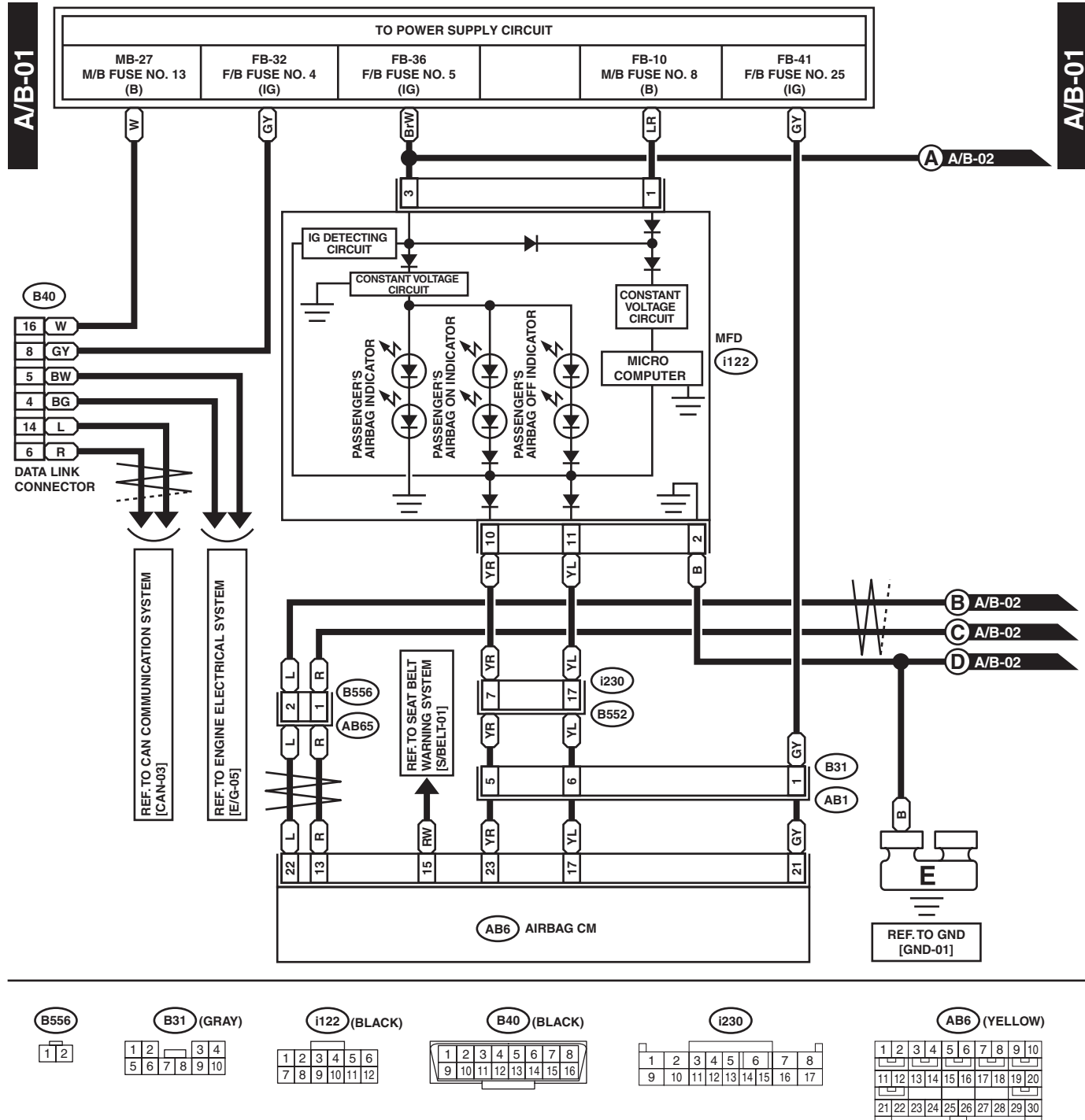
WI-34146

Airbag System

WIRING SYSTEM

5. Airbag System

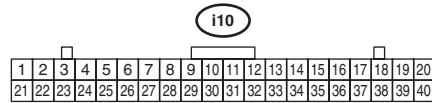
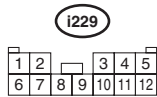
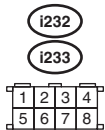
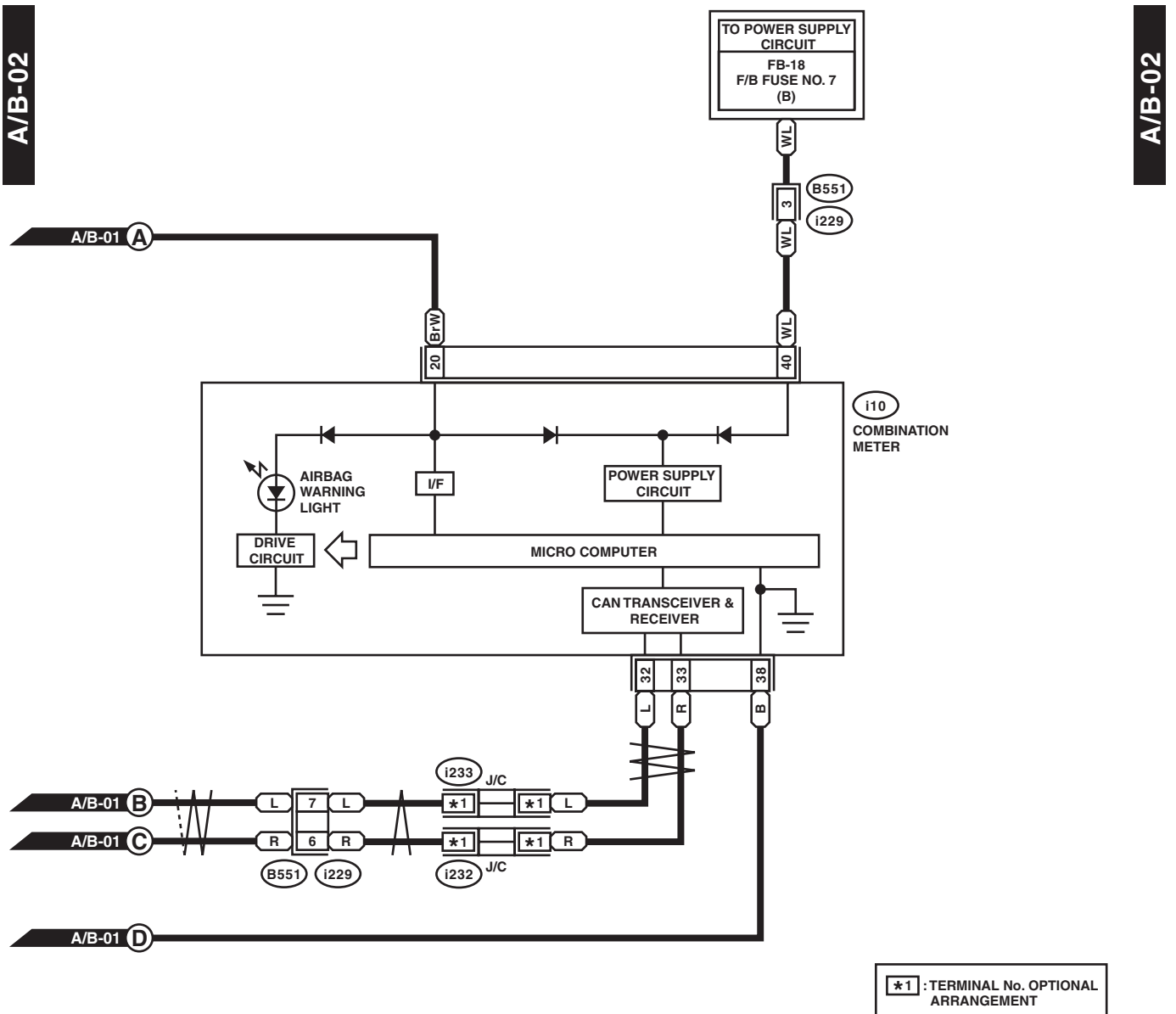
A: WIRING DIAGRAM



WI-34147

Airbag System

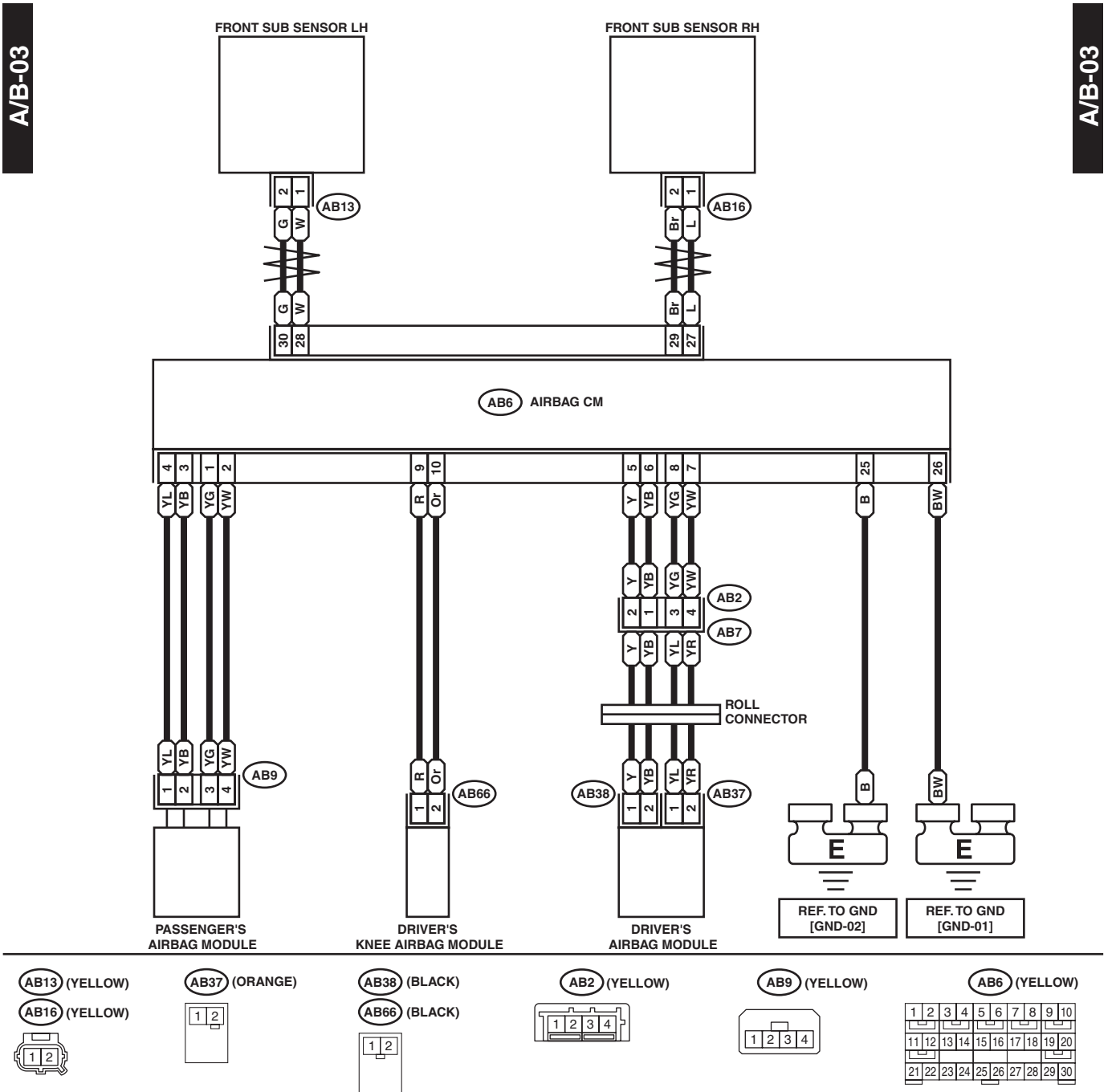
WIRING SYSTEM



WI-34148

Airbag System

WIRING SYSTEM



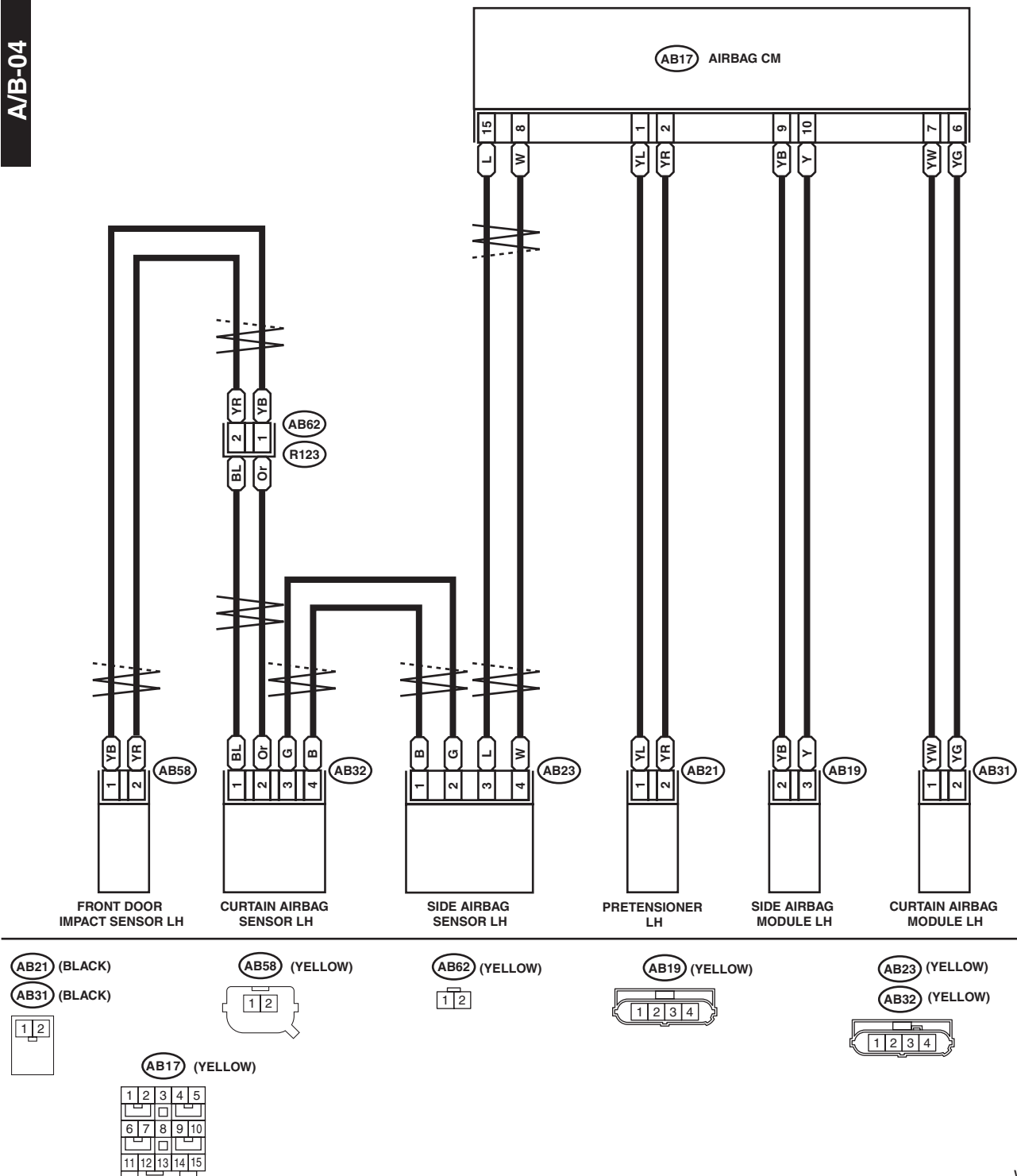
WI-34149

Airbag System

WIRING SYSTEM

A/B-04

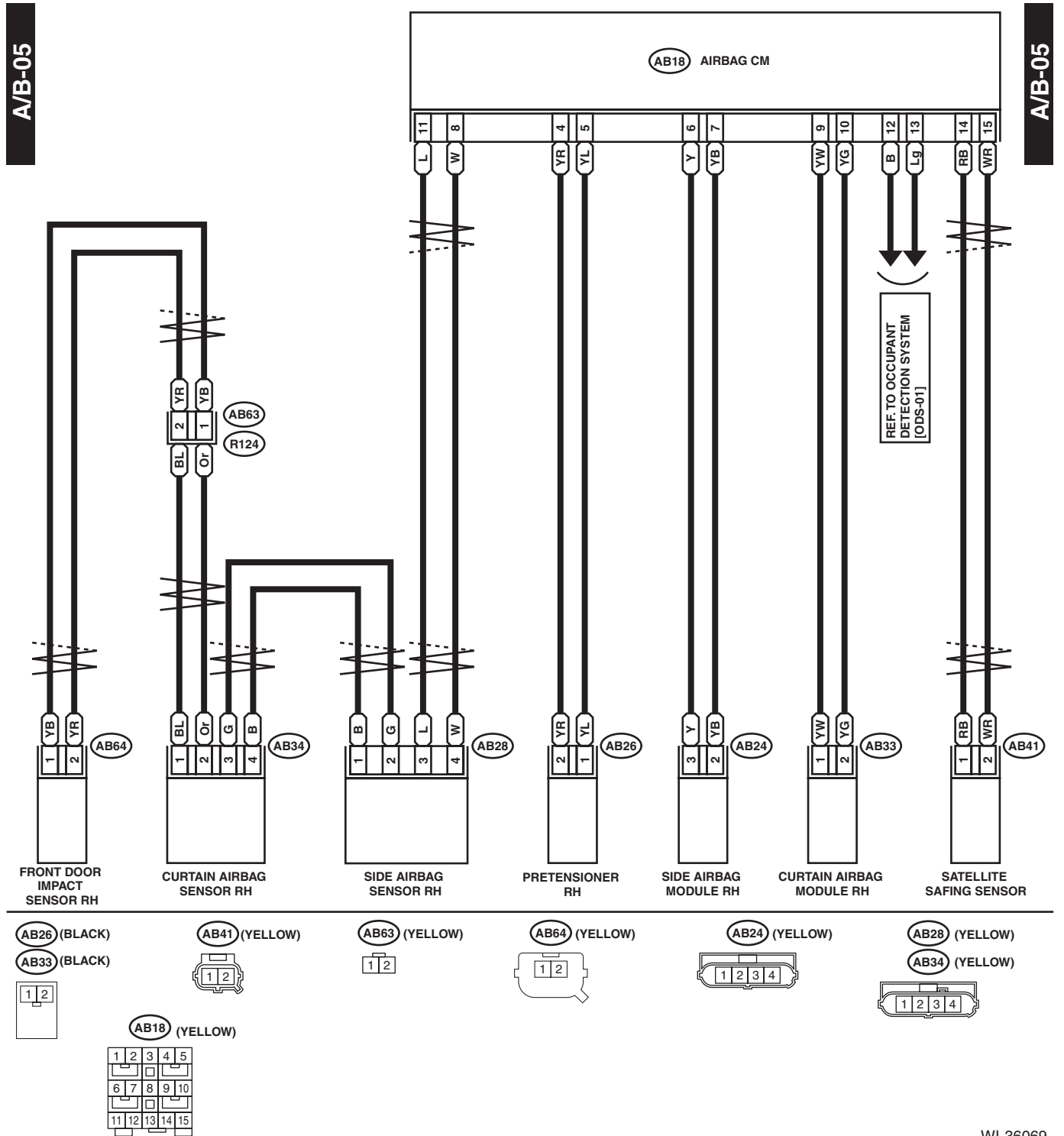
A/B-04



WI-36068

Airbag System

WIRING SYSTEM

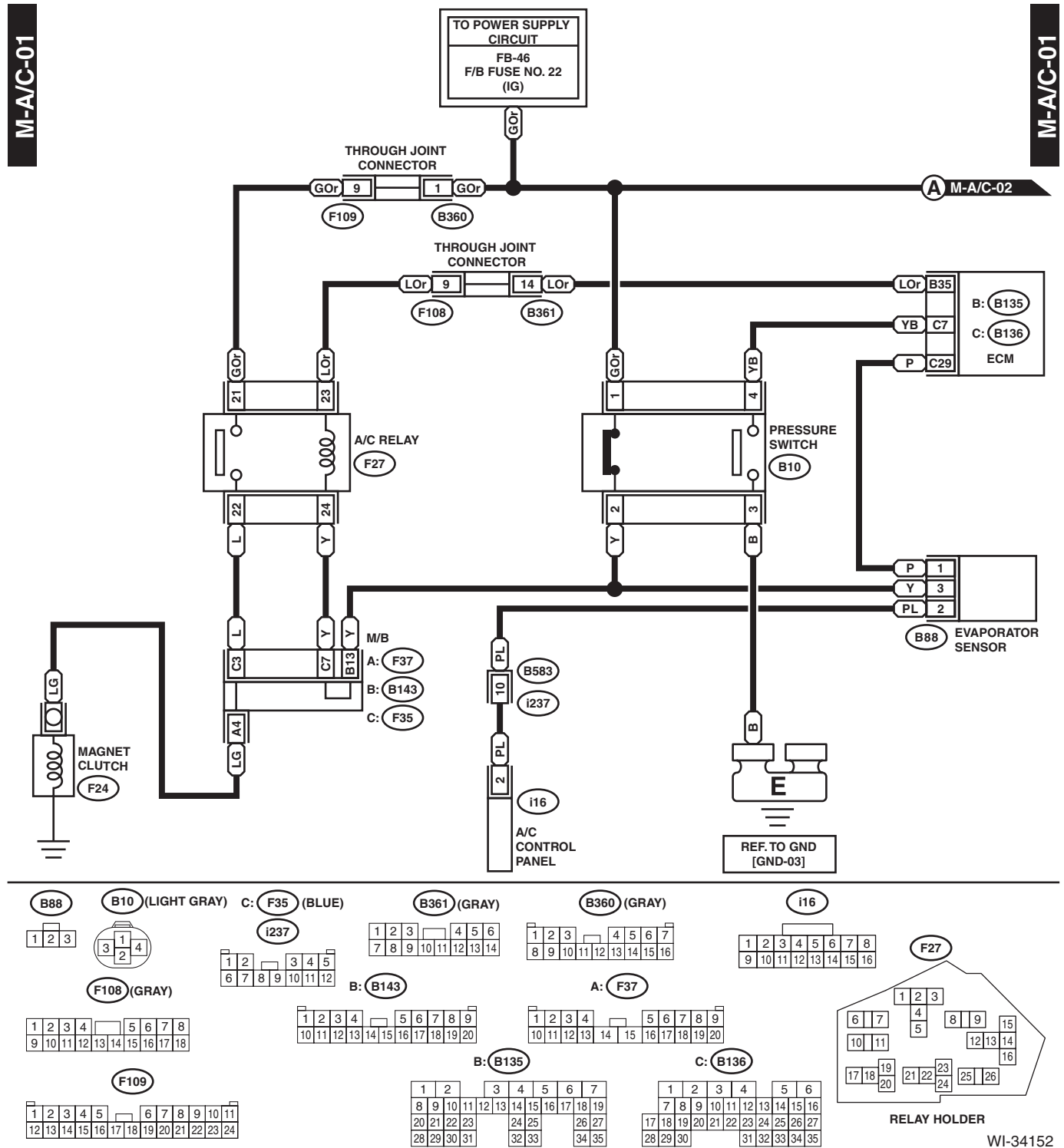


WI-36069

6. Air Conditioning System

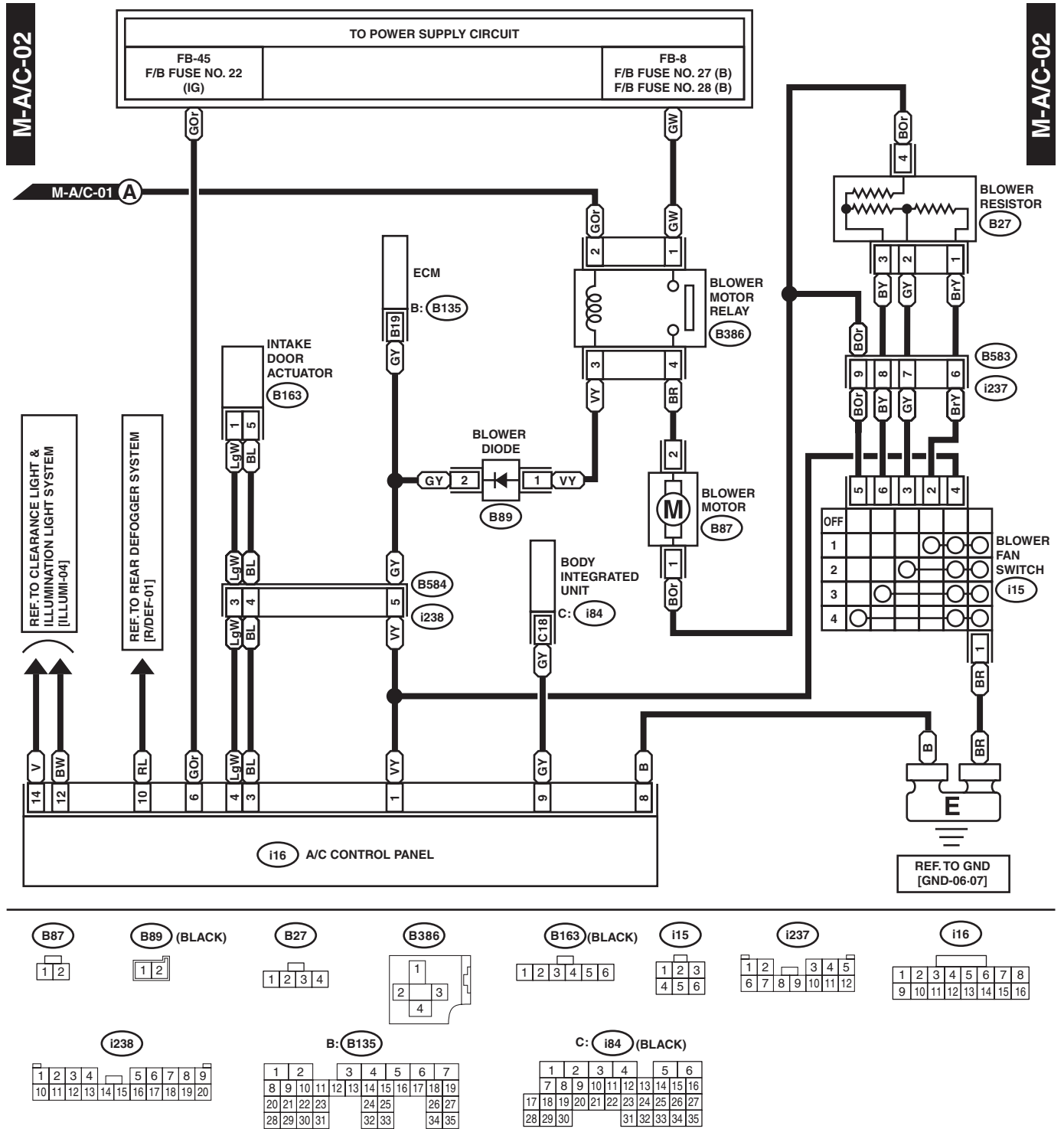
A: WIRING DIAGRAM

1. MANUAL A/C MODEL



Air Conditioning System

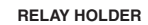
WIRING SYSTEM



WI-34153

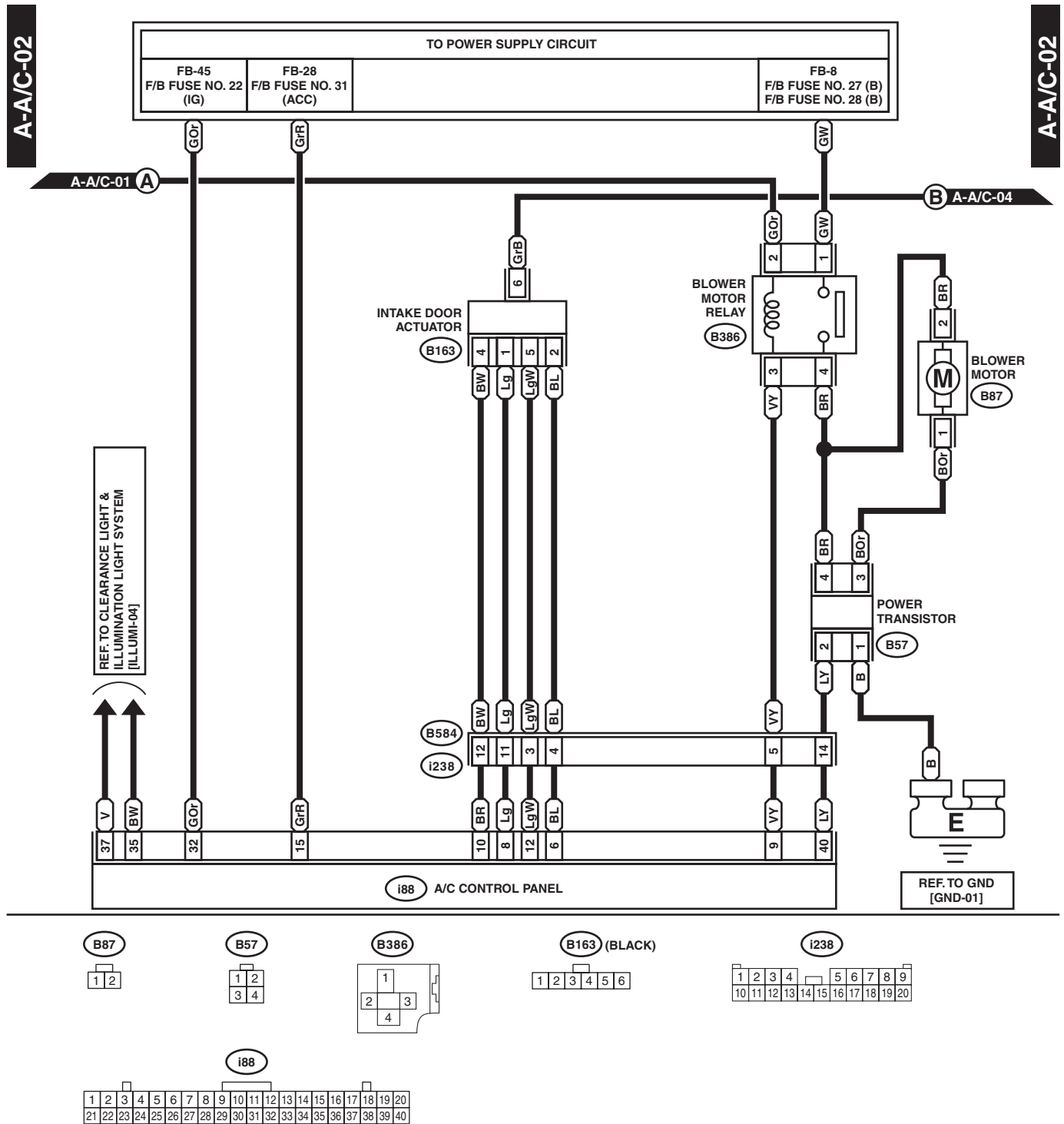
WIRING SYSTEM

A-A/C-01

**WI-37**

Air Conditioning System

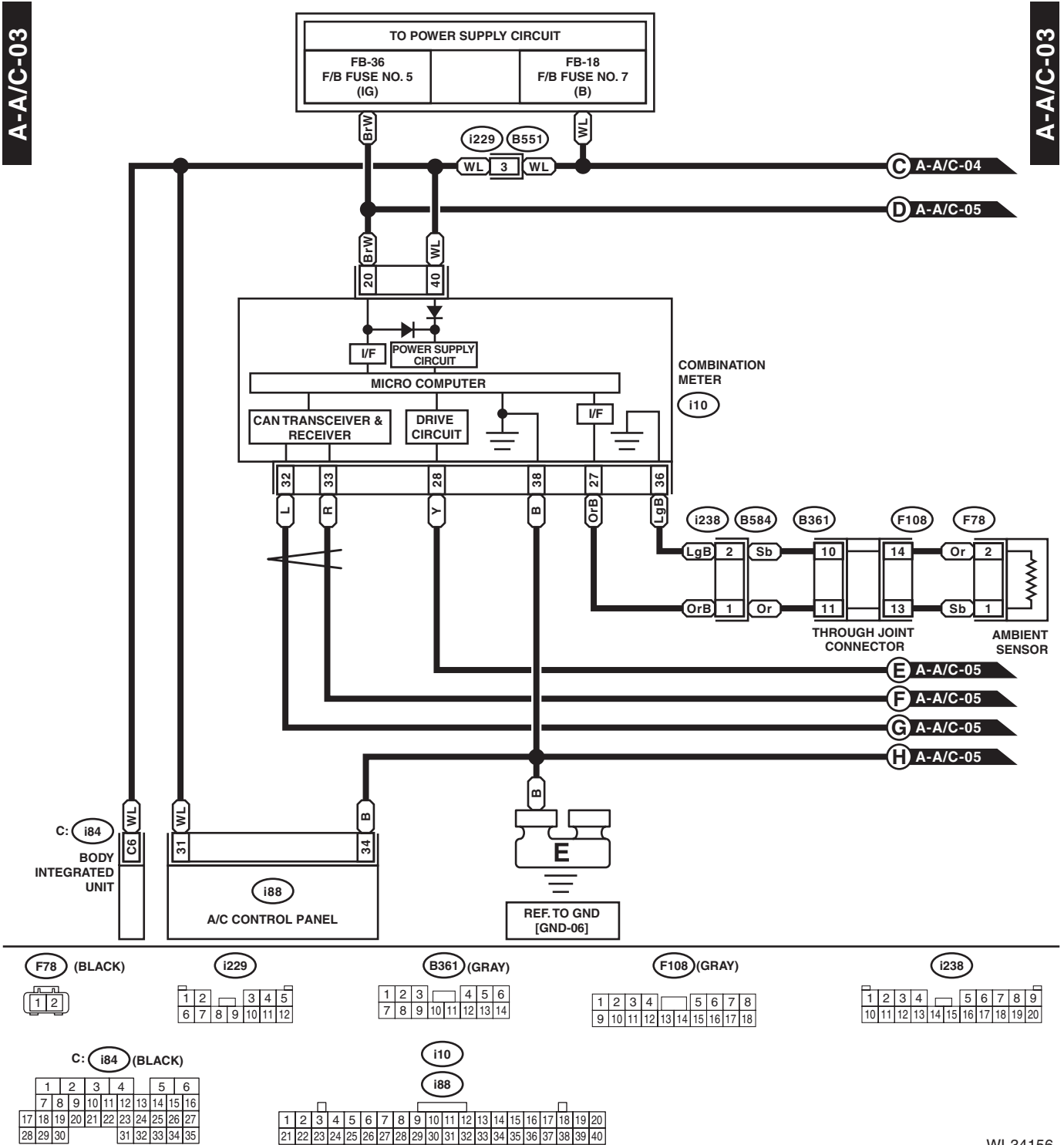
WIRING SYSTEM



WI-34155

Air Conditioning System

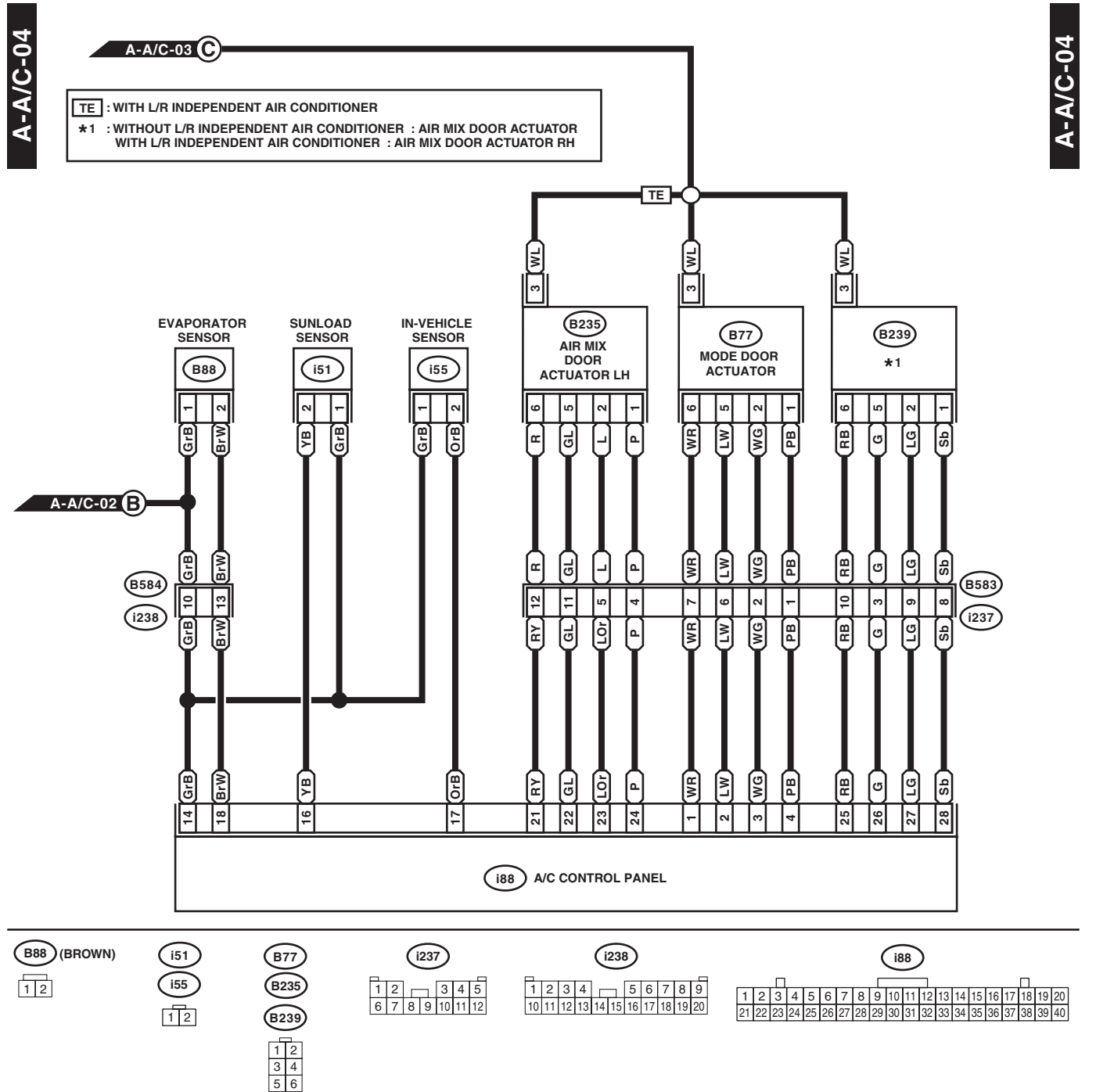
WIRING SYSTEM



WI-34156

Air Conditioning System

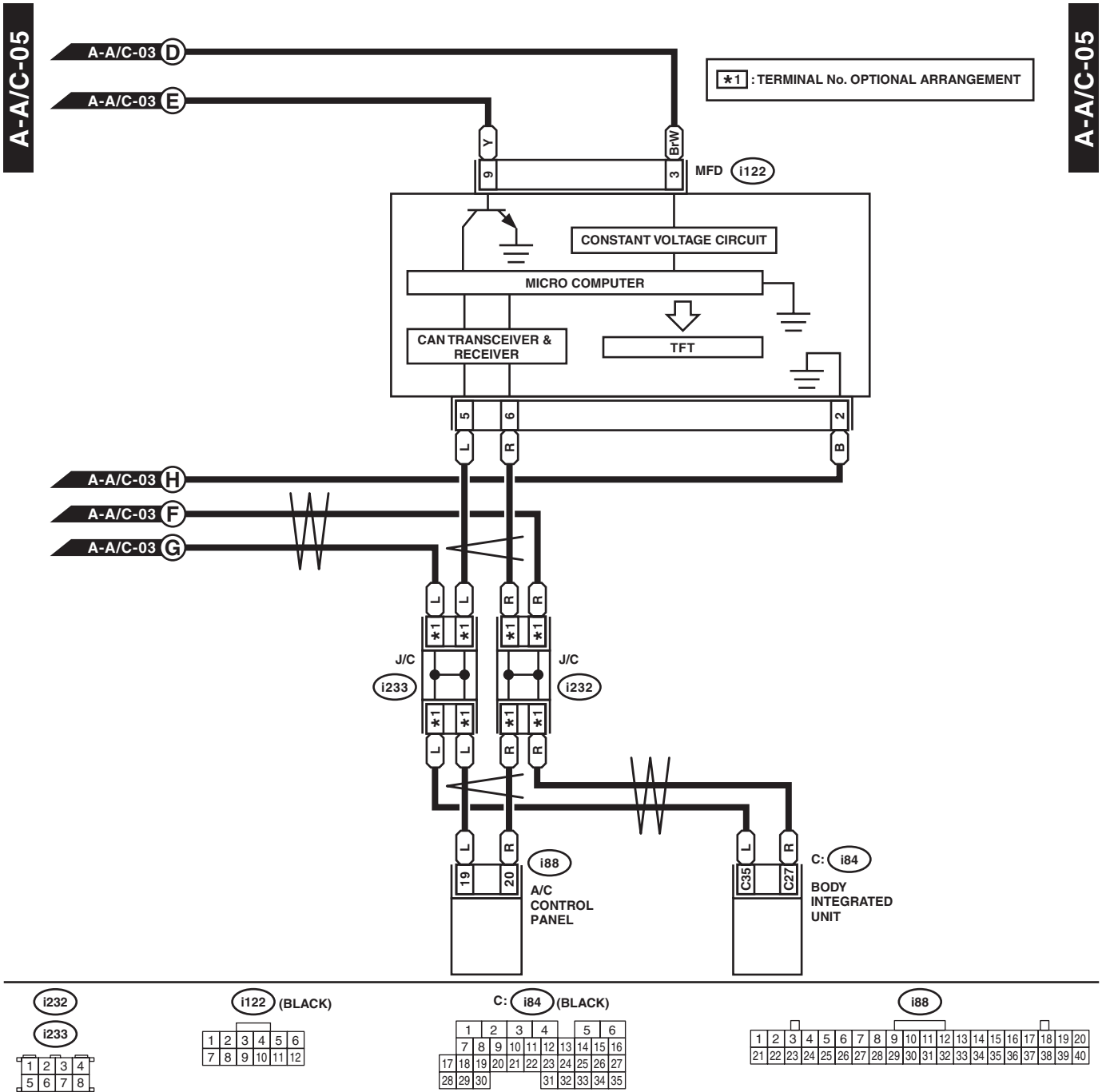
WIRING SYSTEM



WI-34157

Air Conditioning System

WIRING SYSTEM



WI-35318

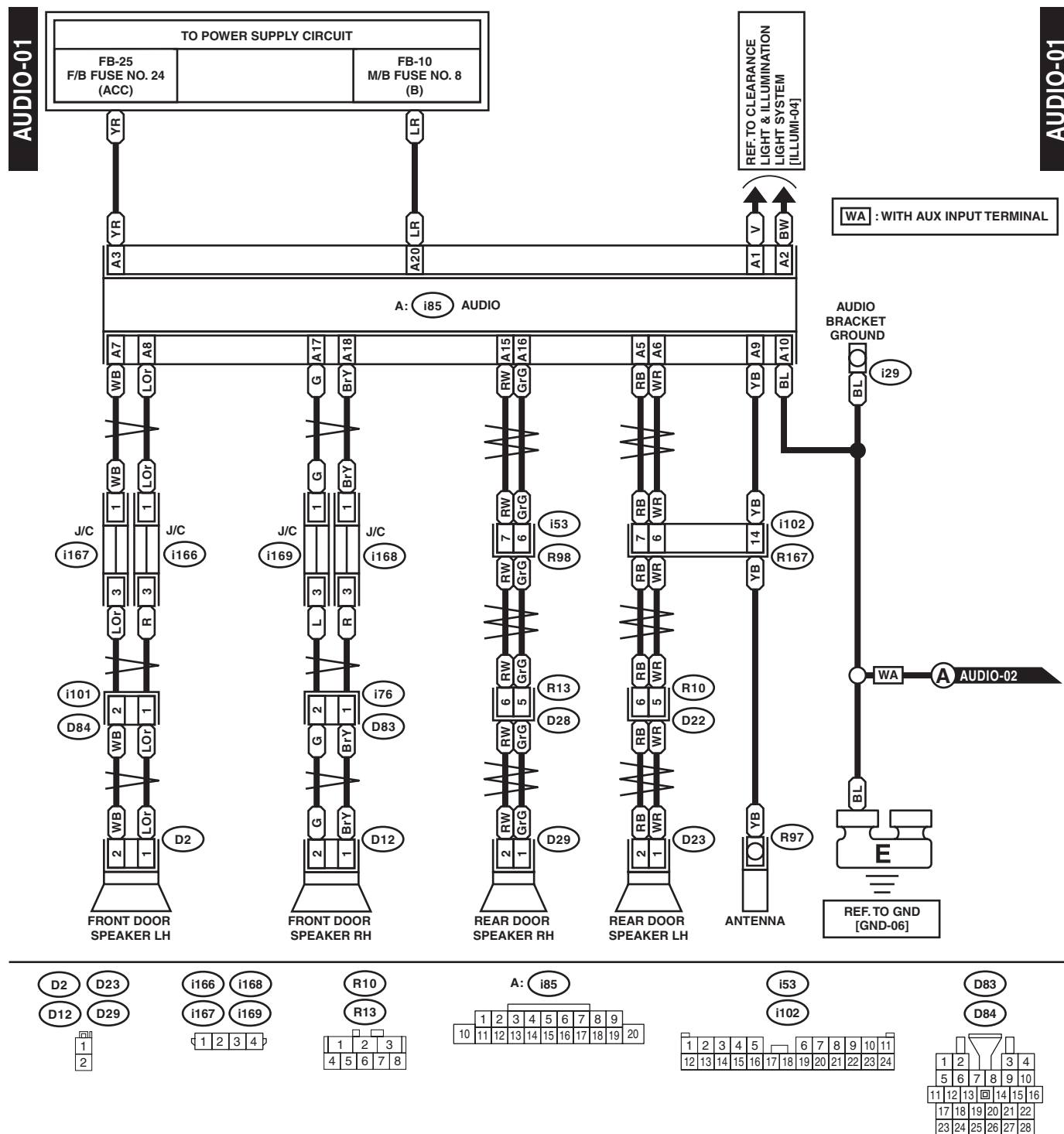
Audio System

WIRING SYSTEM

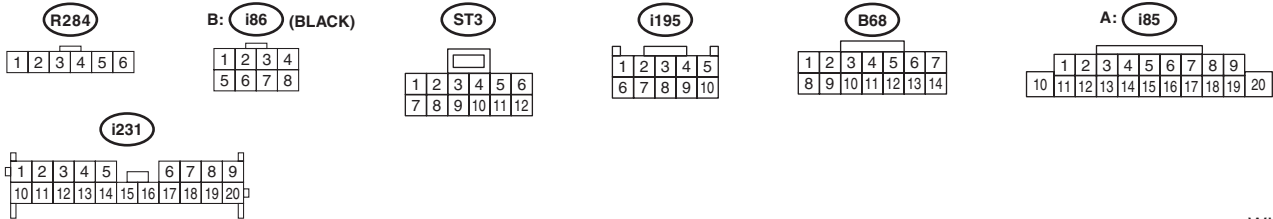
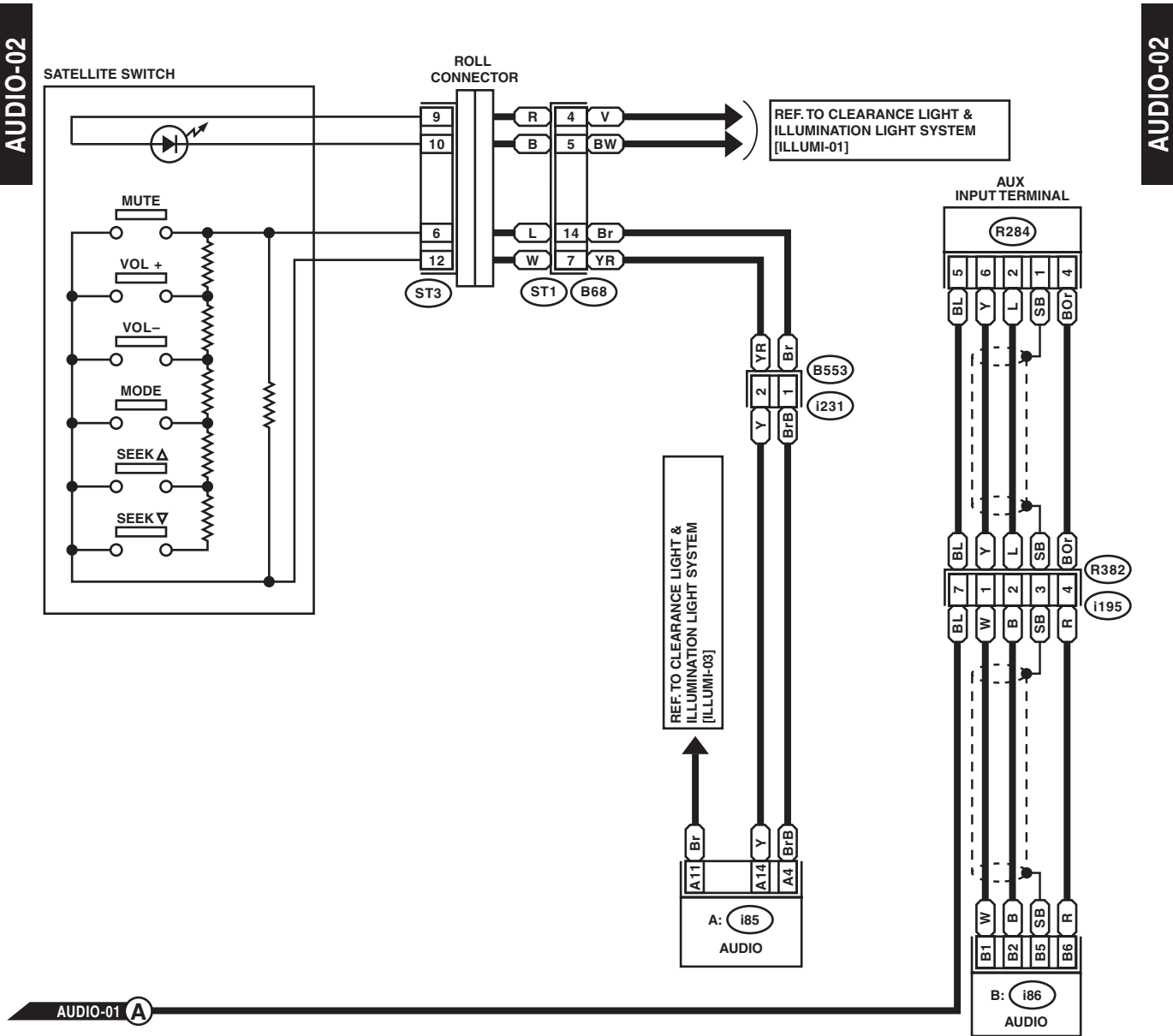
7. Audio System

A: WIRING DIAGRAM

1. WITHOUT HANDSFREE MICROPHONE



WI-34159

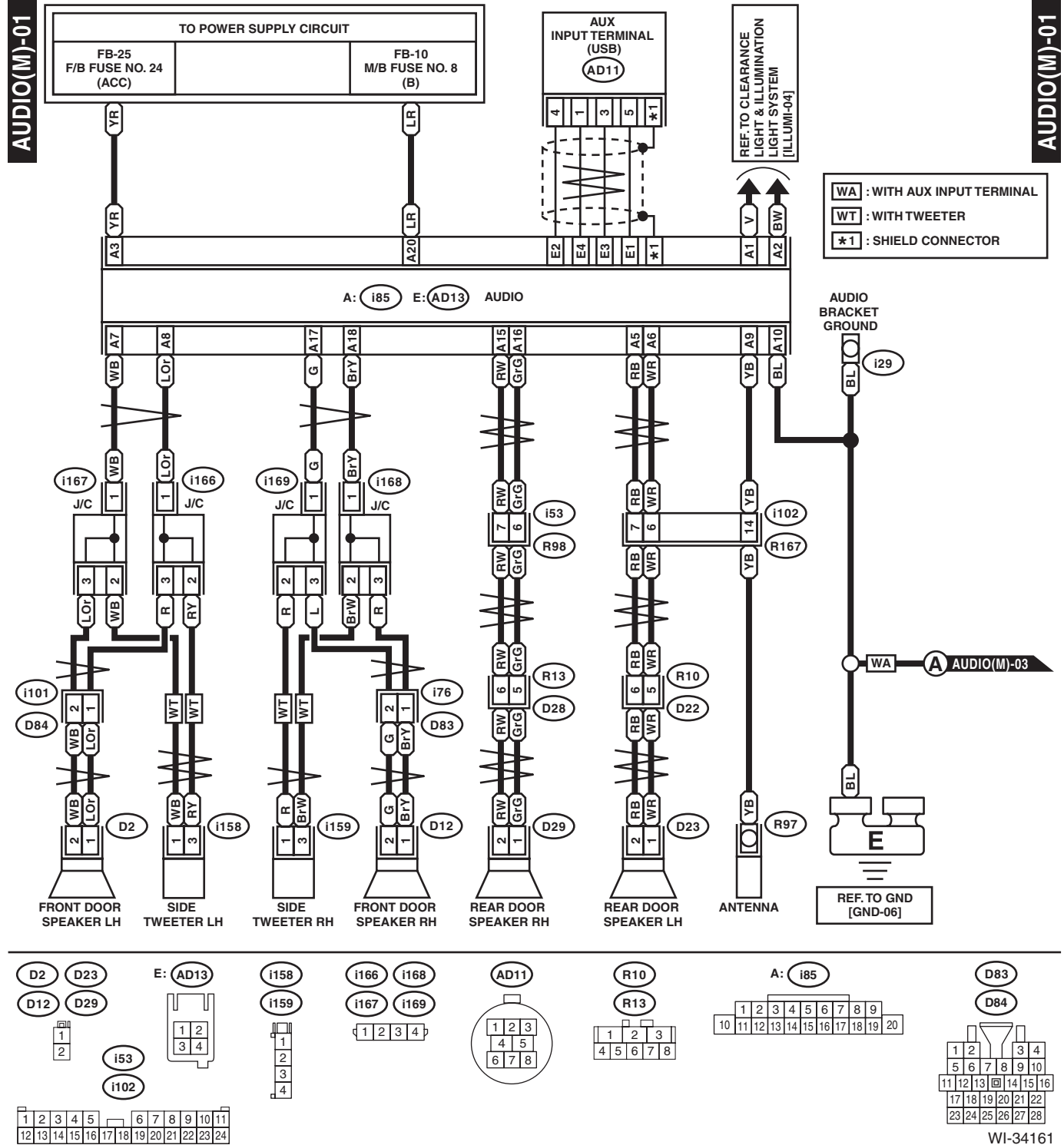


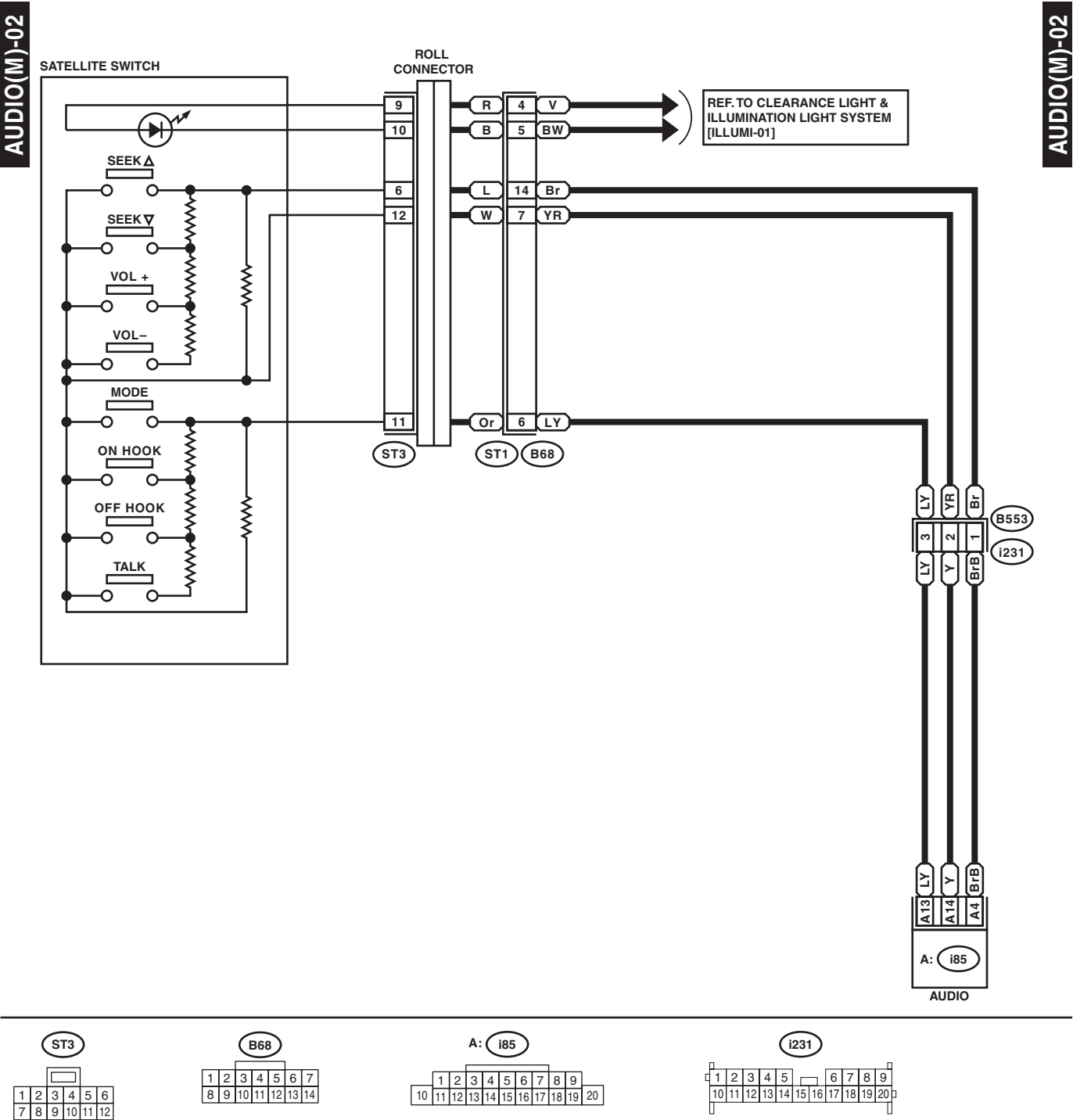
WI-34160

Audio System

WIRING SYSTEM

2. WITH HANDSFREE MICROPHONE



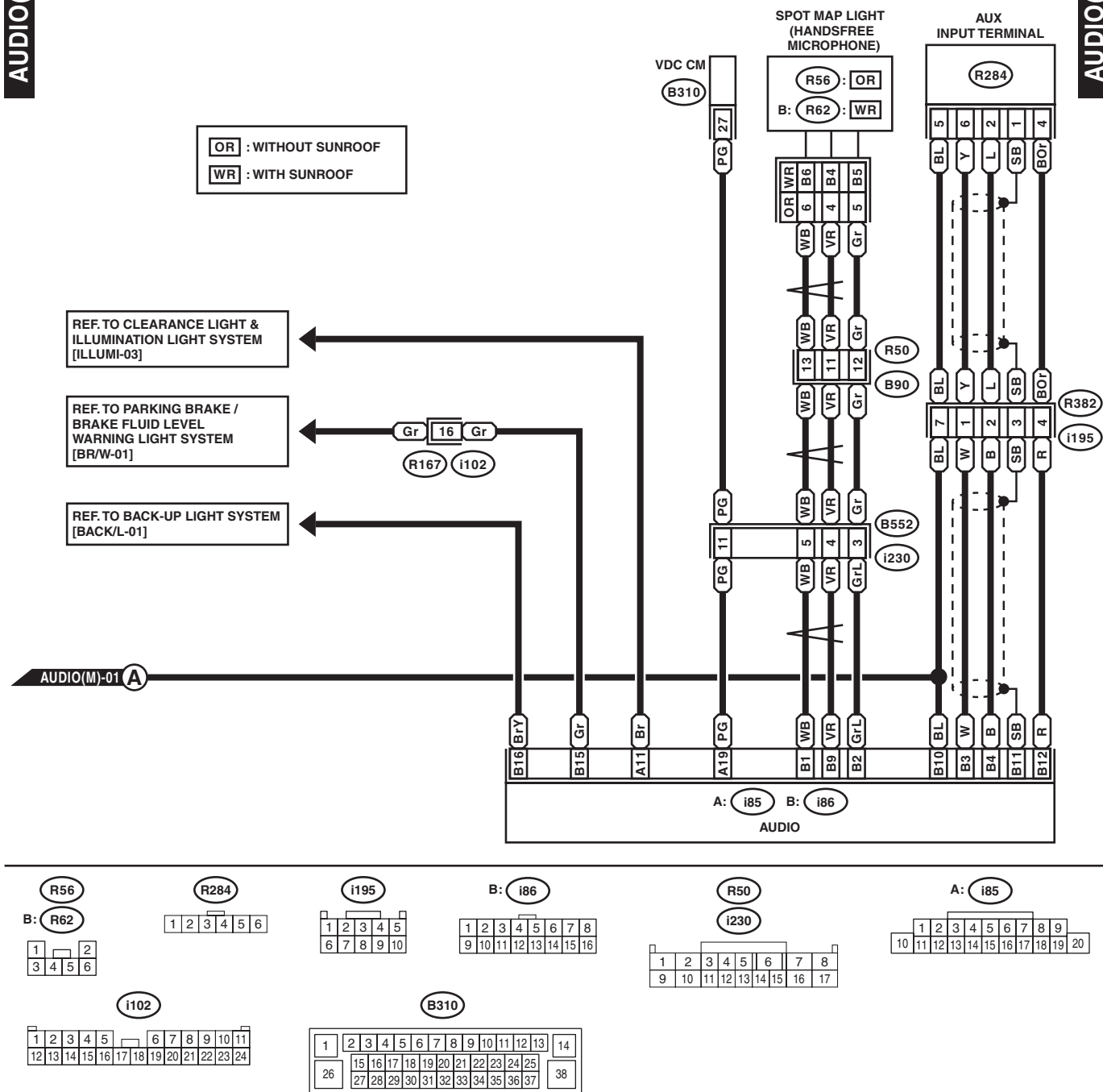


Audio System

WIRING SYSTEM

AUDIO(M)-03

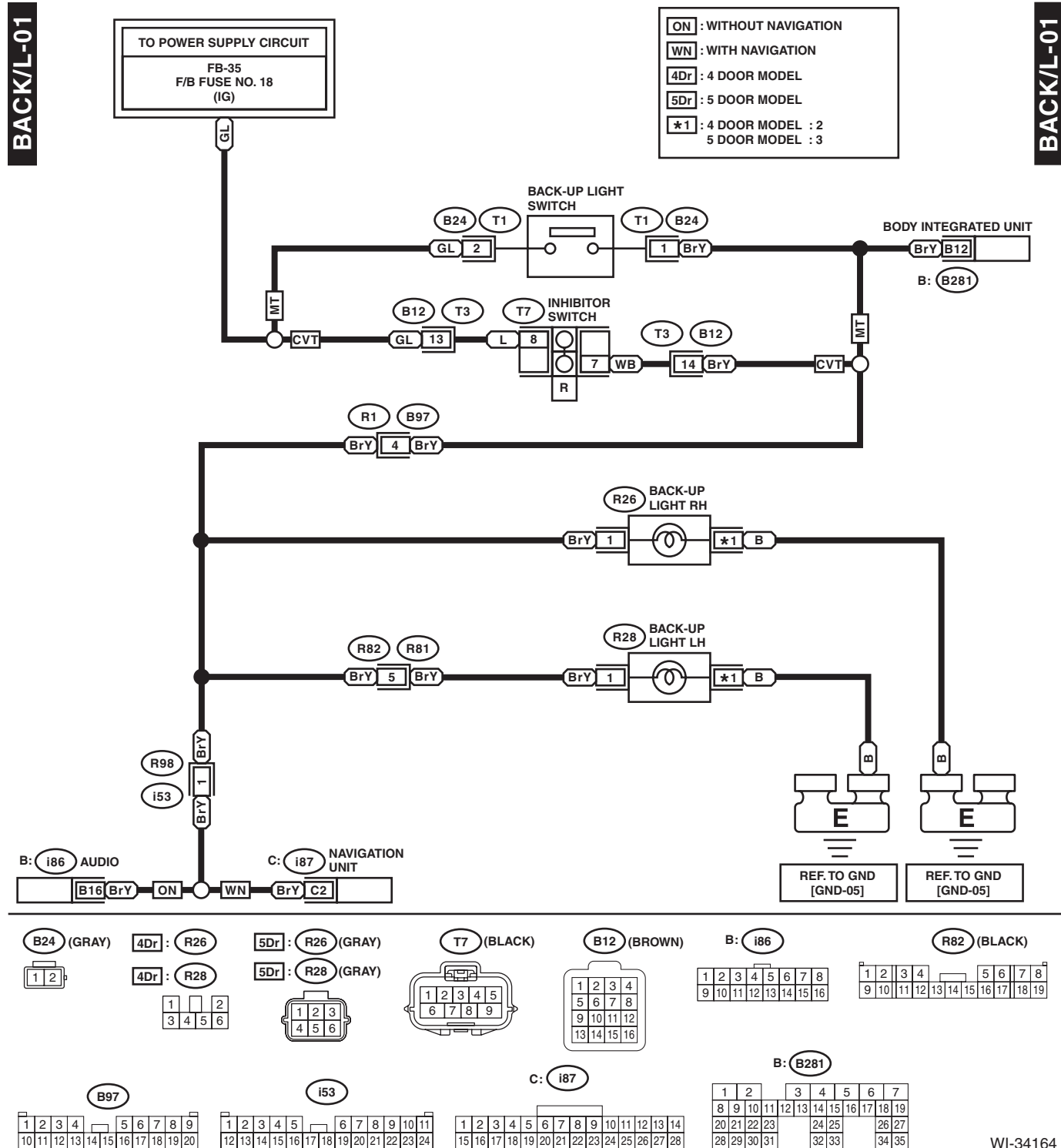
AUDIO(M)-03



WI-34163

8. Back-up Light System

A: WIRING DIAGRAM

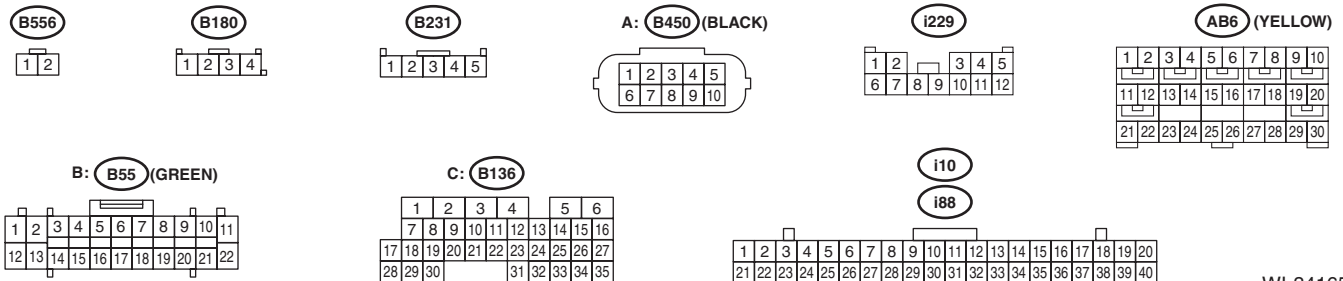
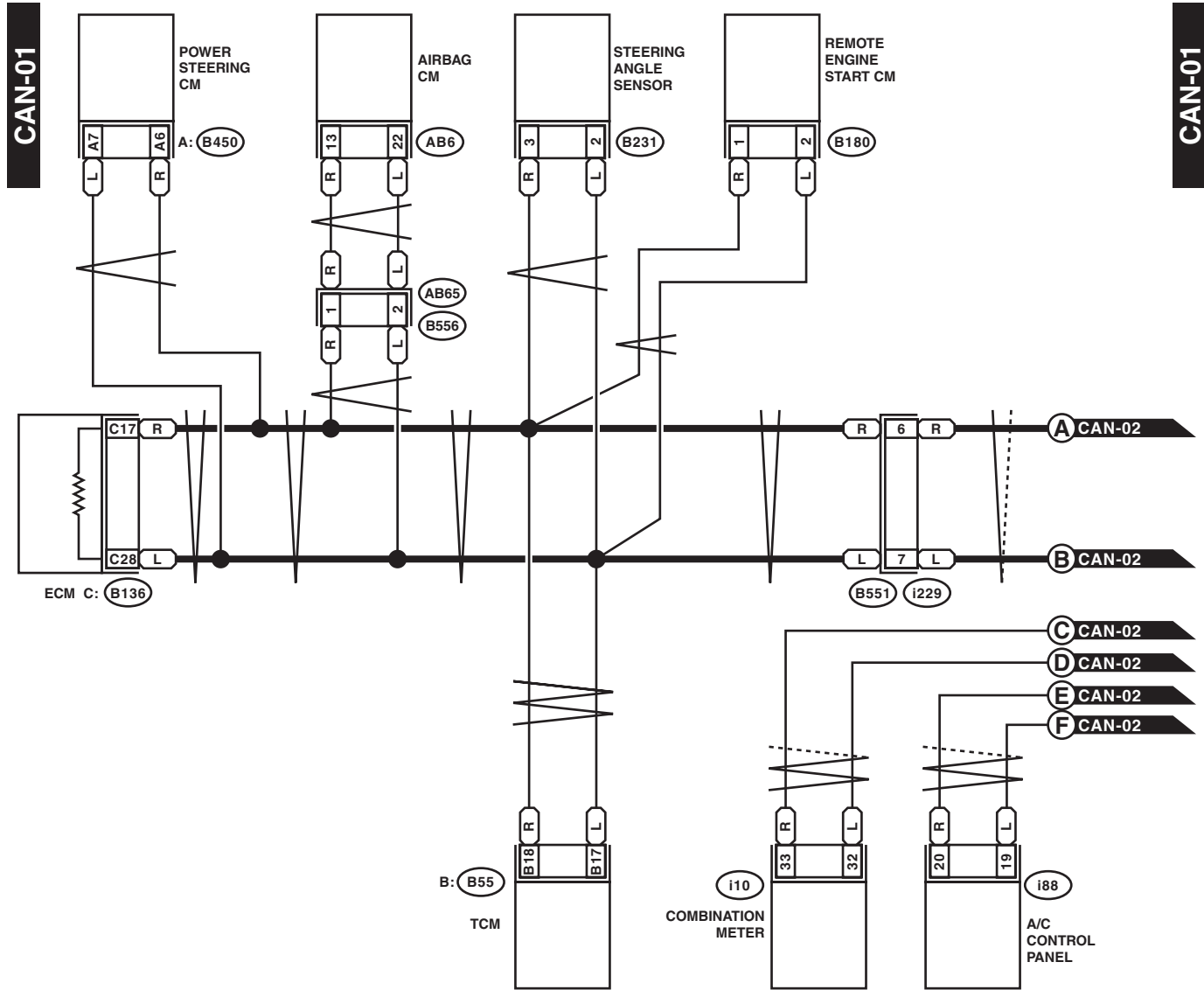


CAN Communication System

WIRING SYSTEM

9. CAN Communication System

A: WIRING DIAGRAM



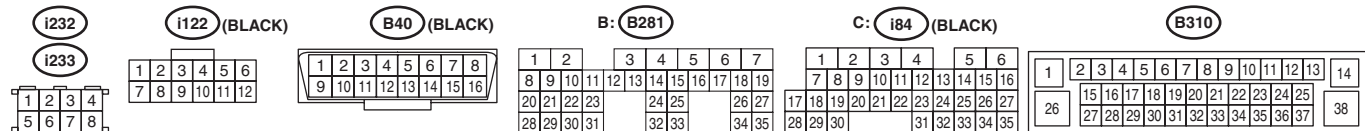
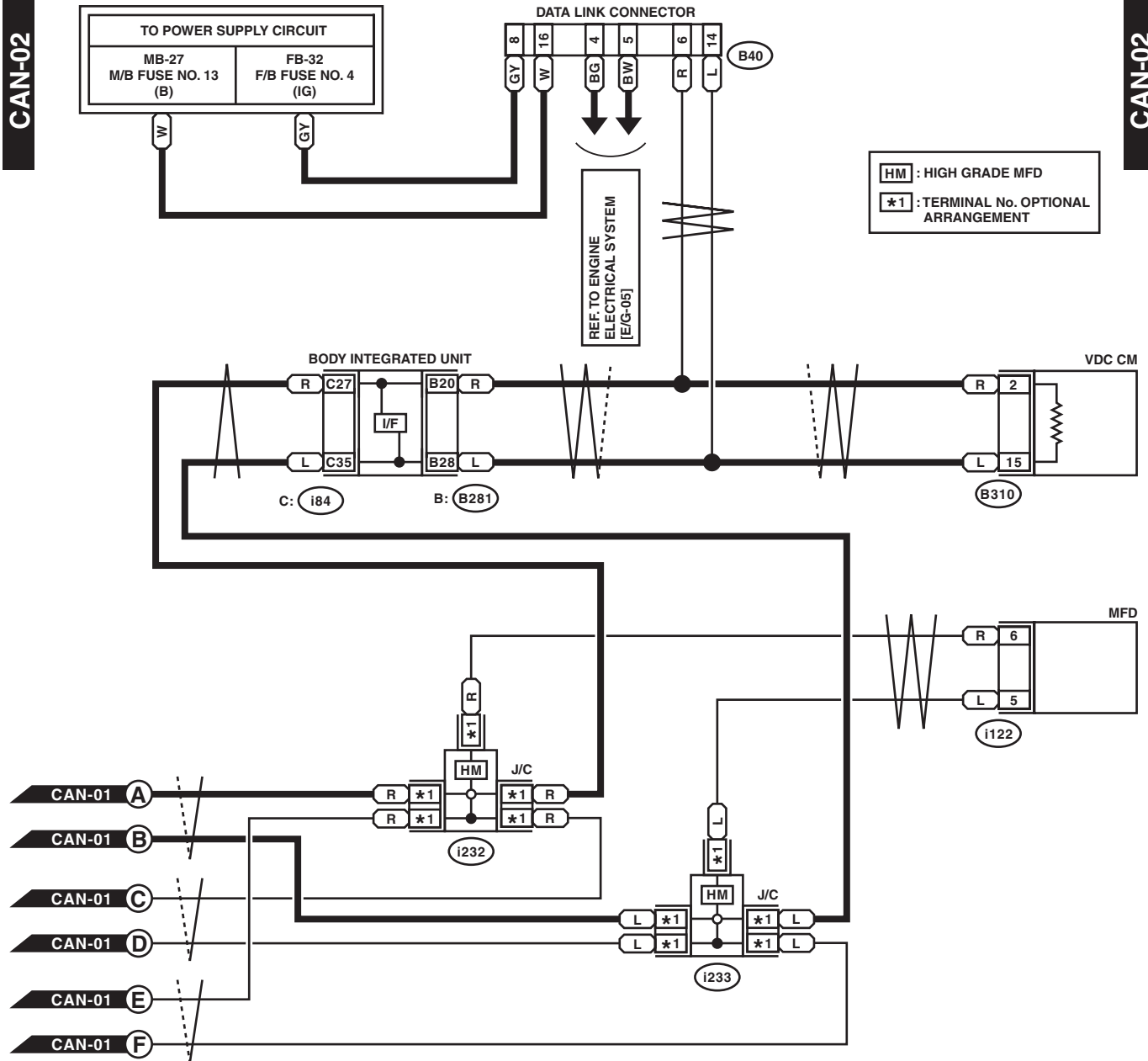
WI-34165

CAN Communication System

WIRING SYSTEM

CAN-02

CAN-02



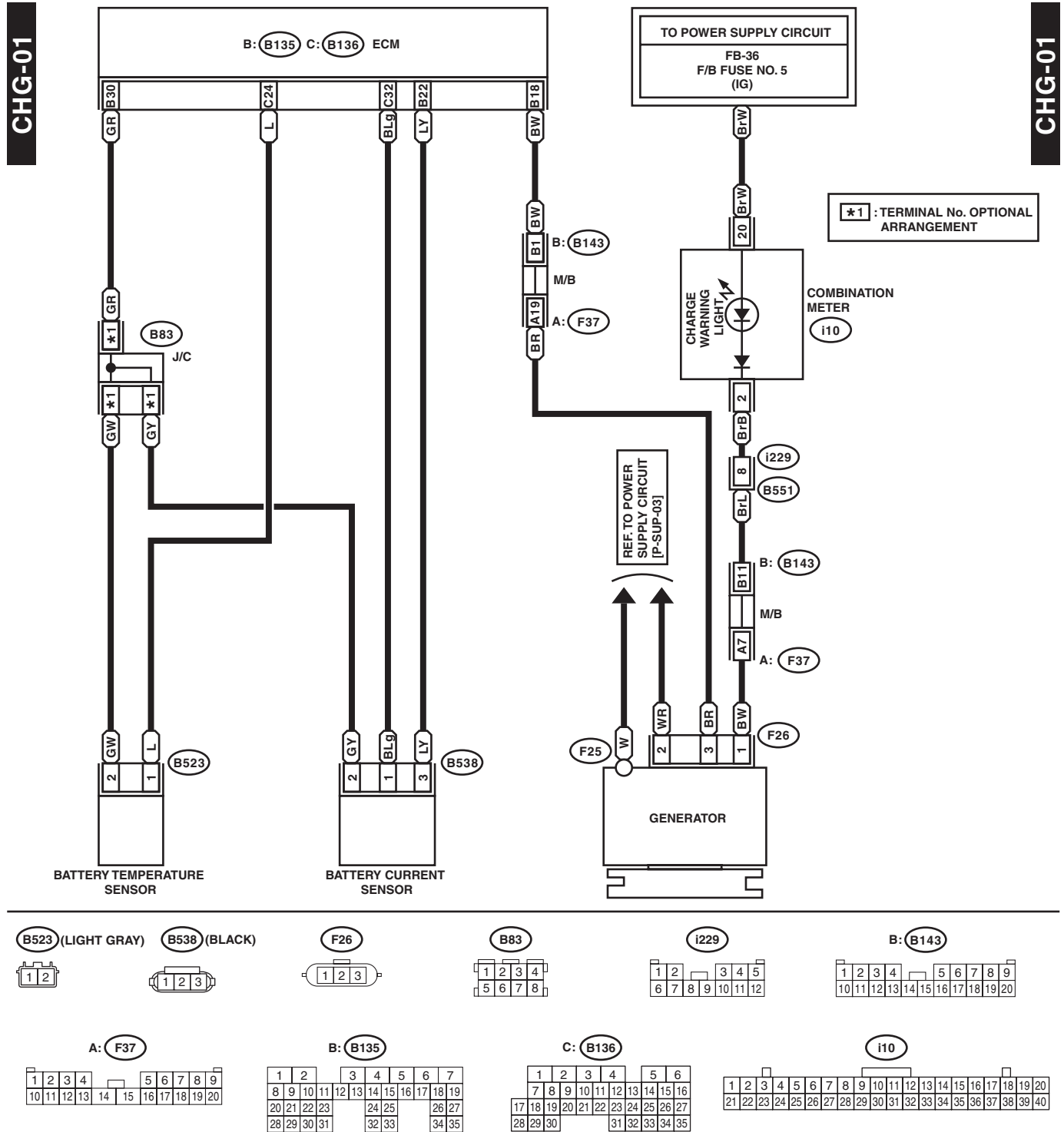
WI-34166

Charging System

WIRING SYSTEM

10. Charging System

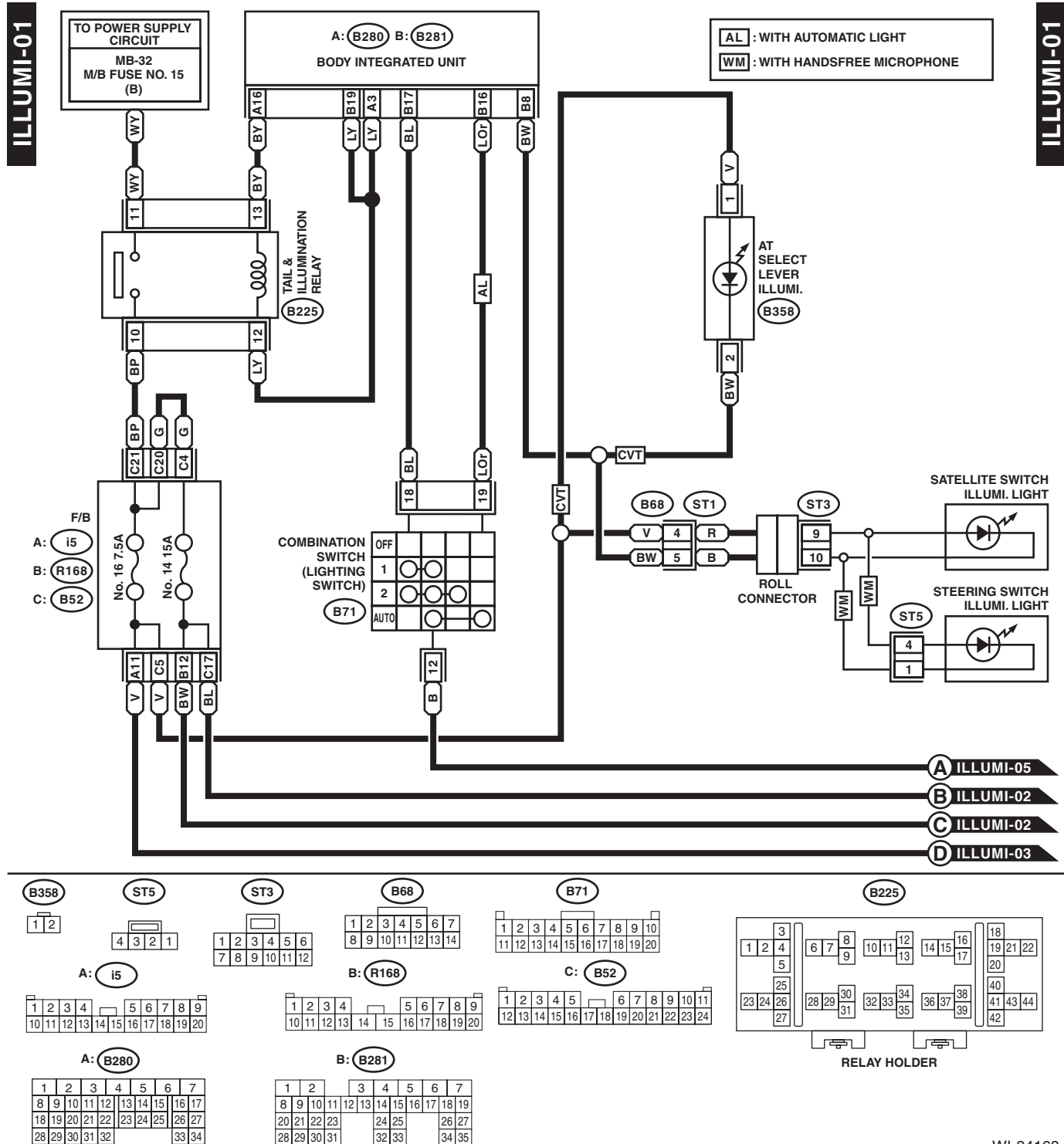
A: WIRING DIAGRAM



WI-34167

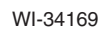
11. Clearance Light and Illumination Light System

A: WIRING DIAGRAM



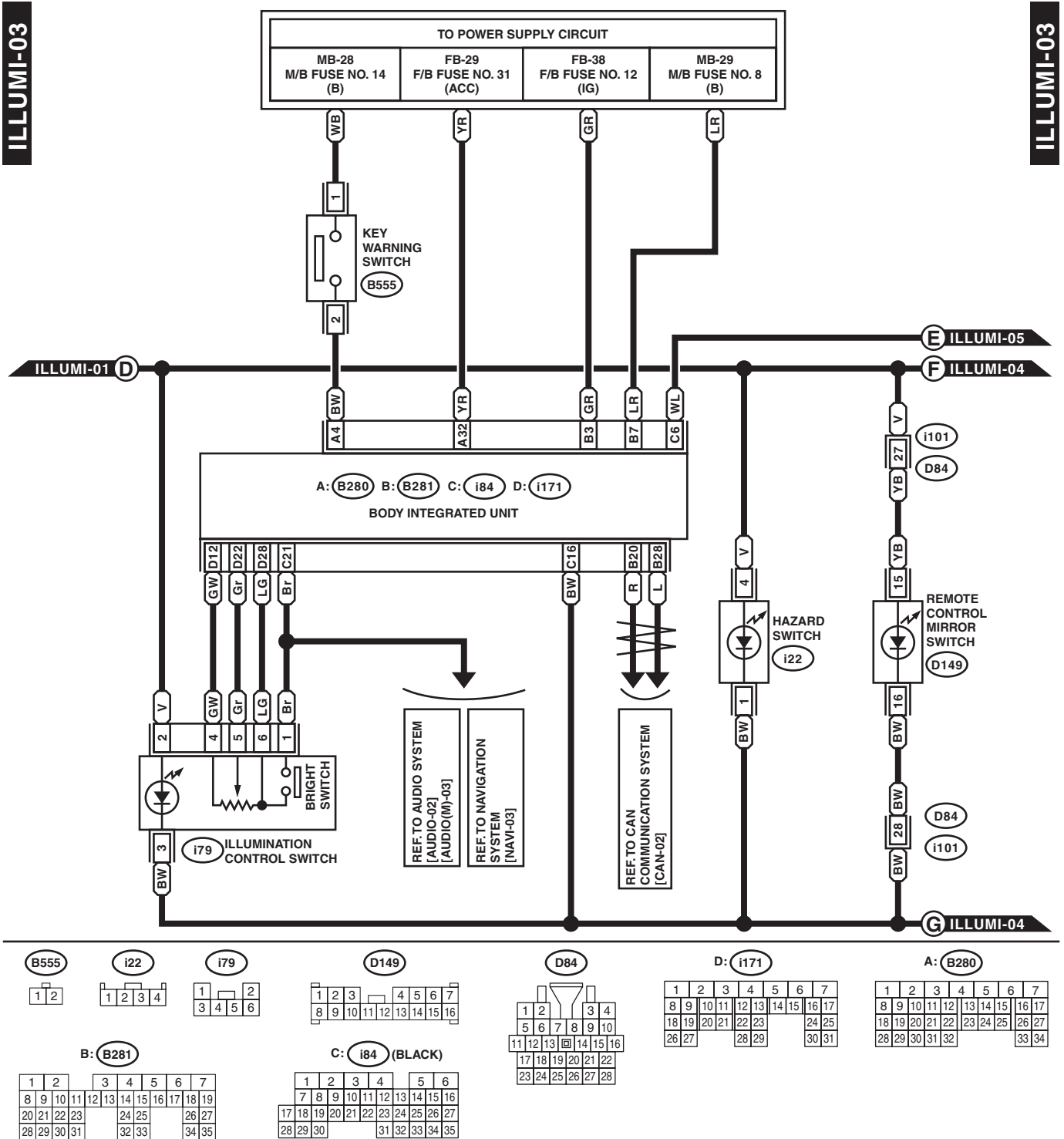
WI-34168

WIRING SYSTEM



Clearance Light and Illumination Light System

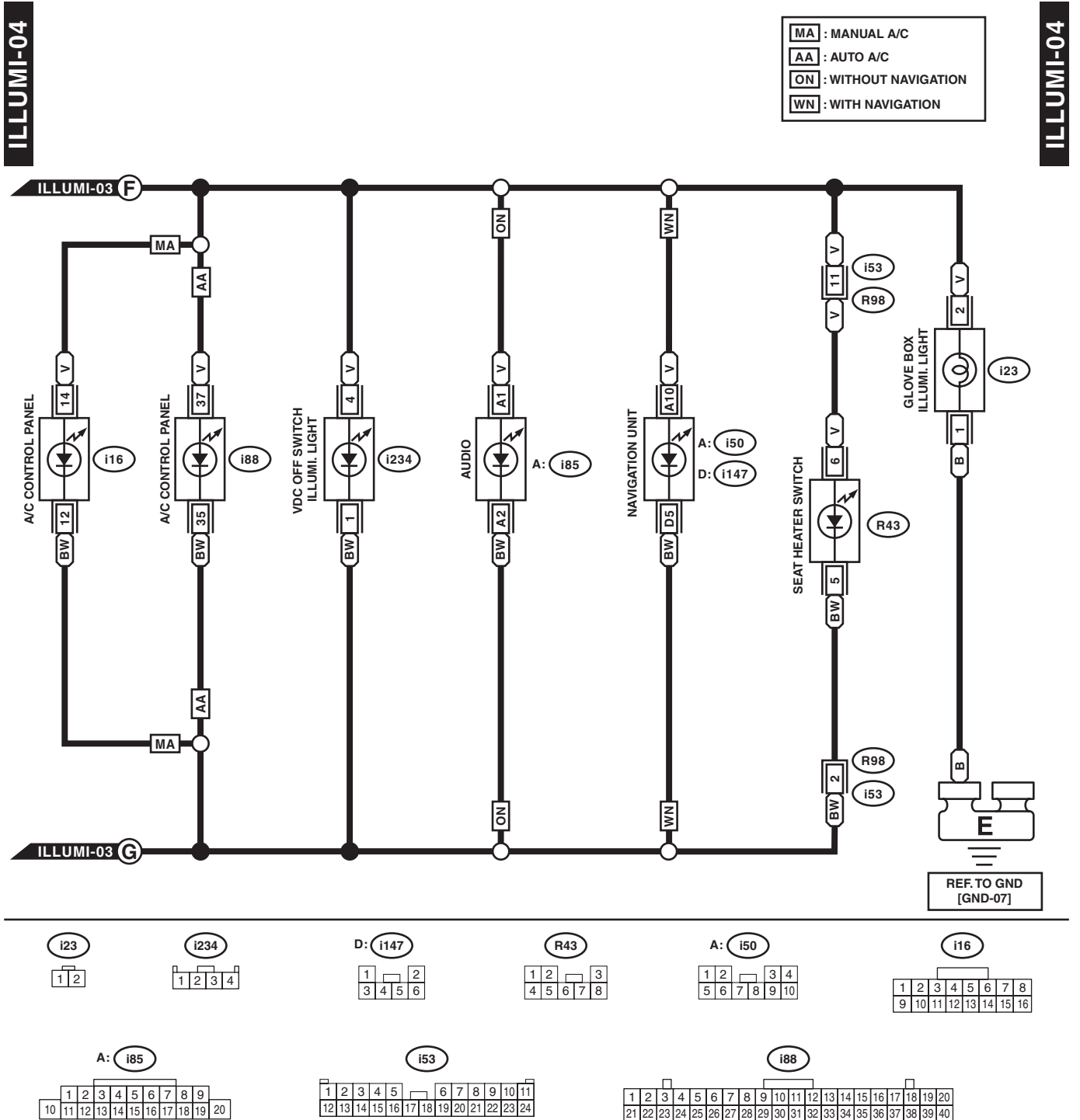
WIRING SYSTEM



WI-34170

Clearance Light and Illumination Light System

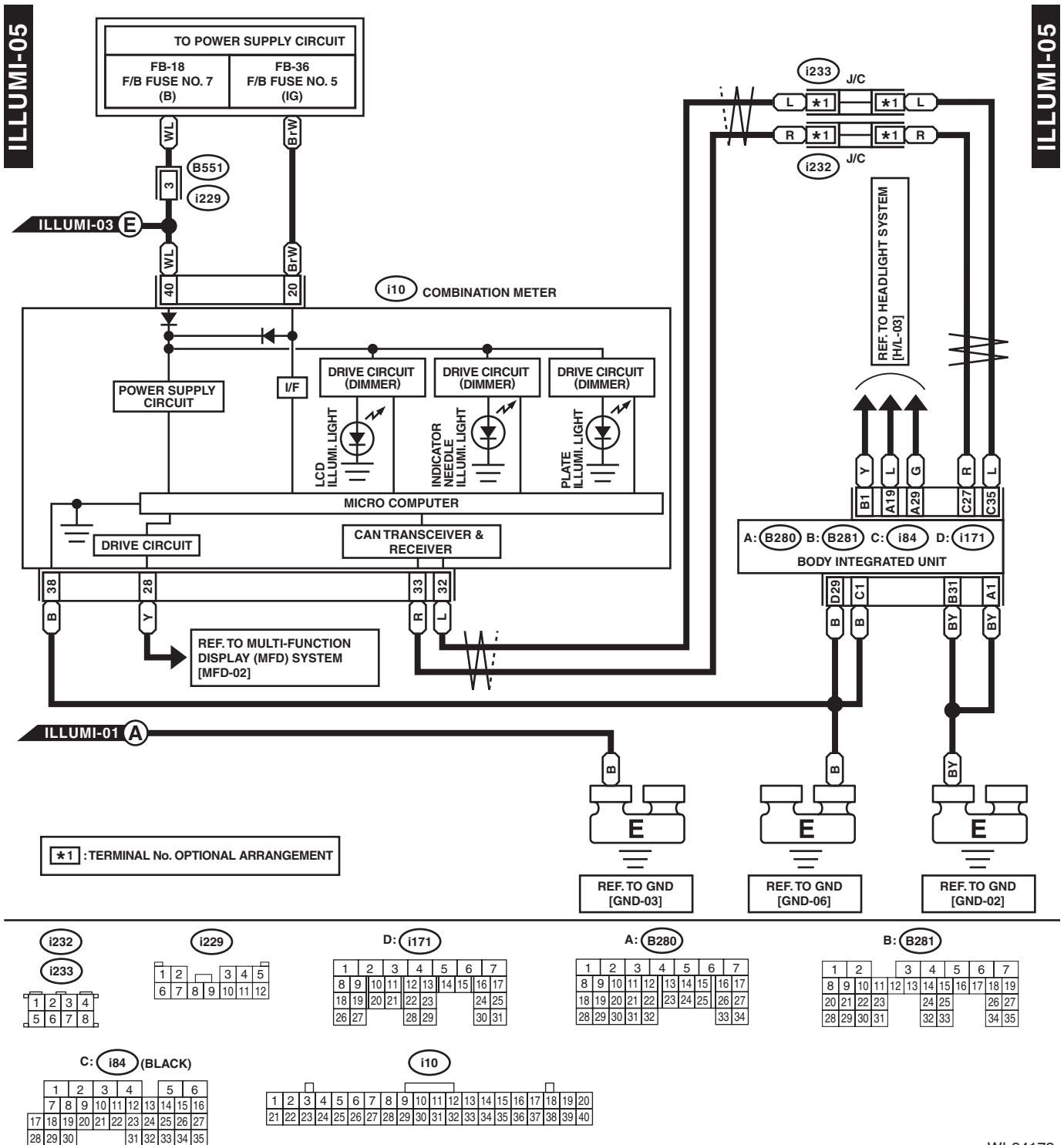
WIRING SYSTEM



WI-34171

Clearance Light and Illumination Light System

WIRING SYSTEM



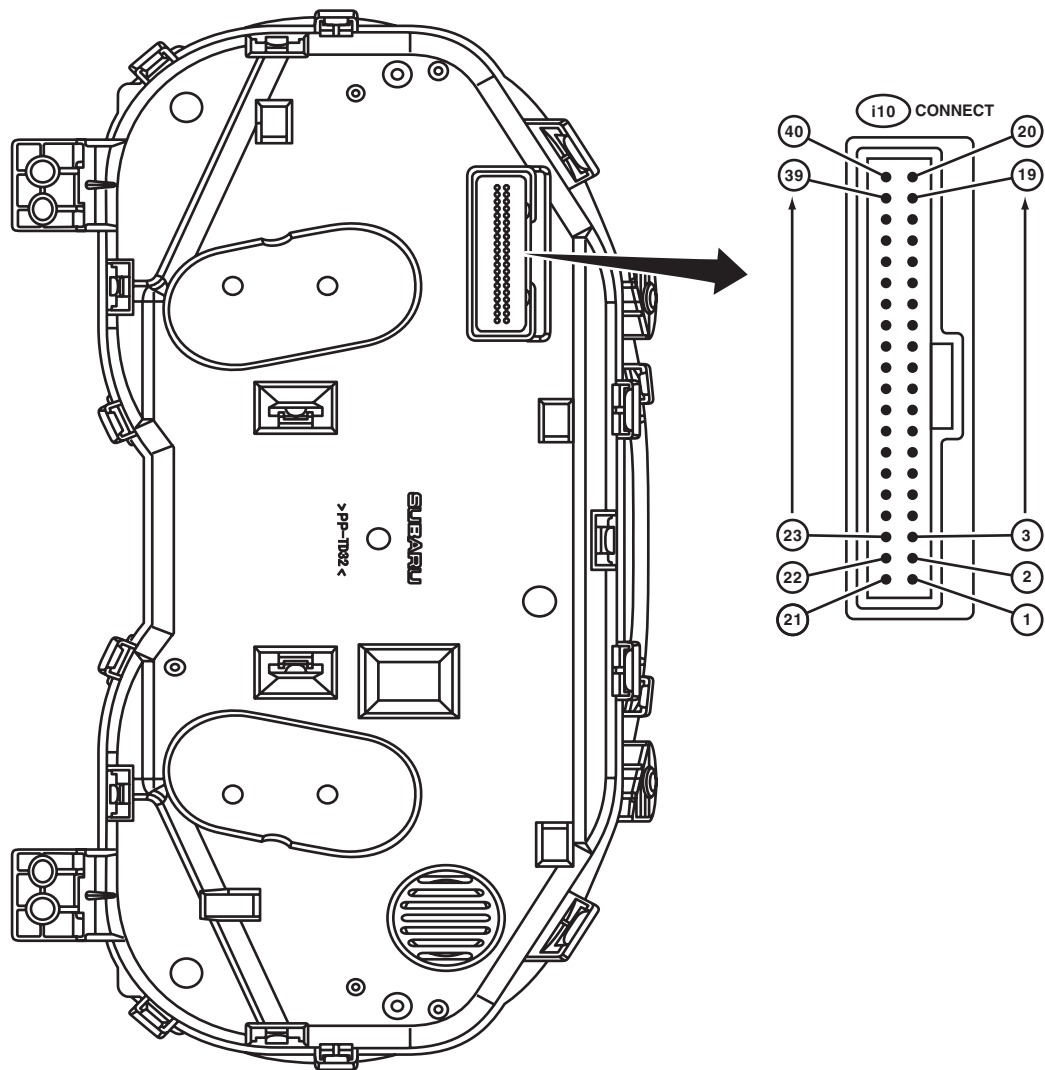
WI-34172

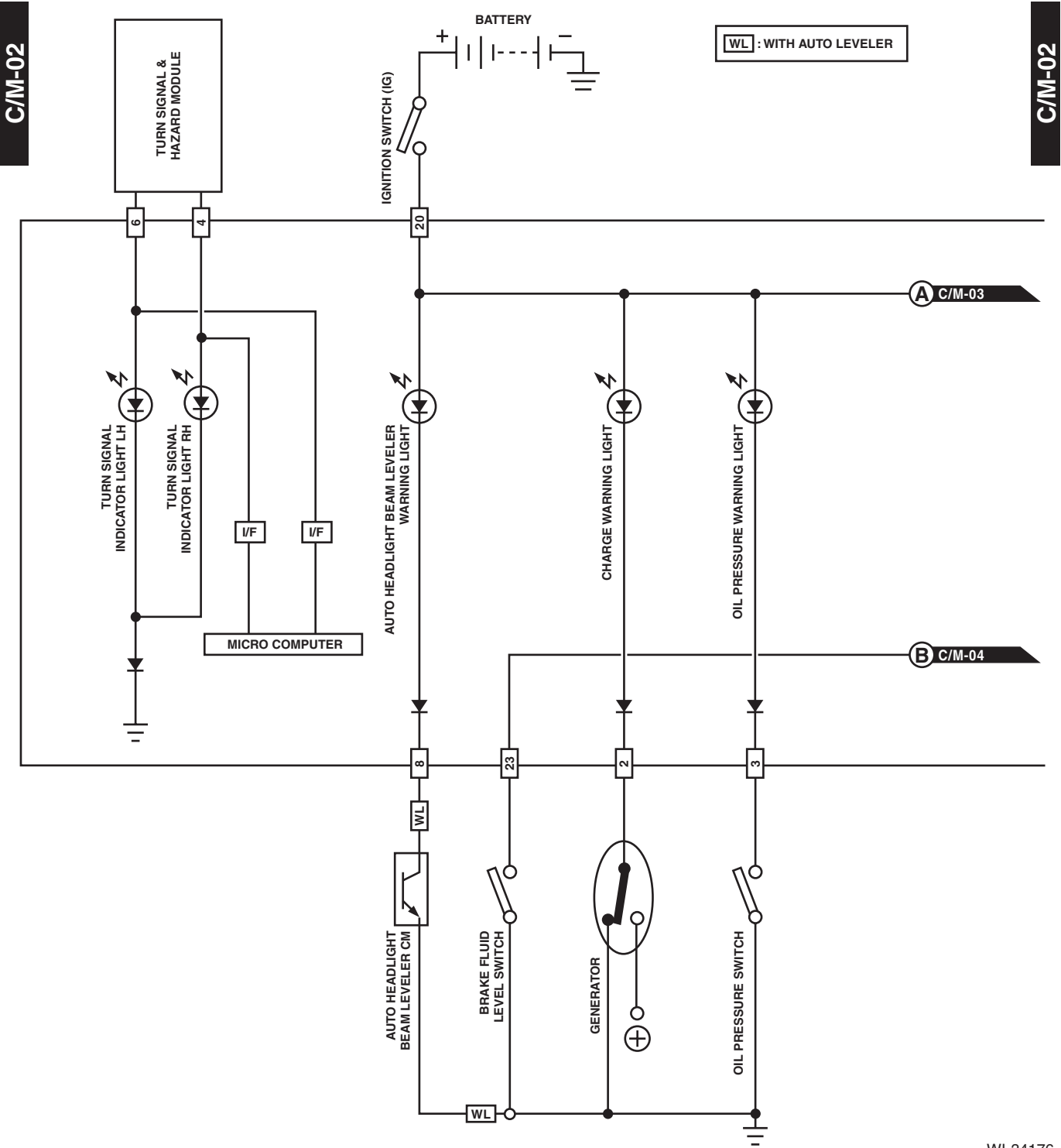
12.Combination Meter System

A: WIRING DIAGRAM

C/M-01

C/M-01

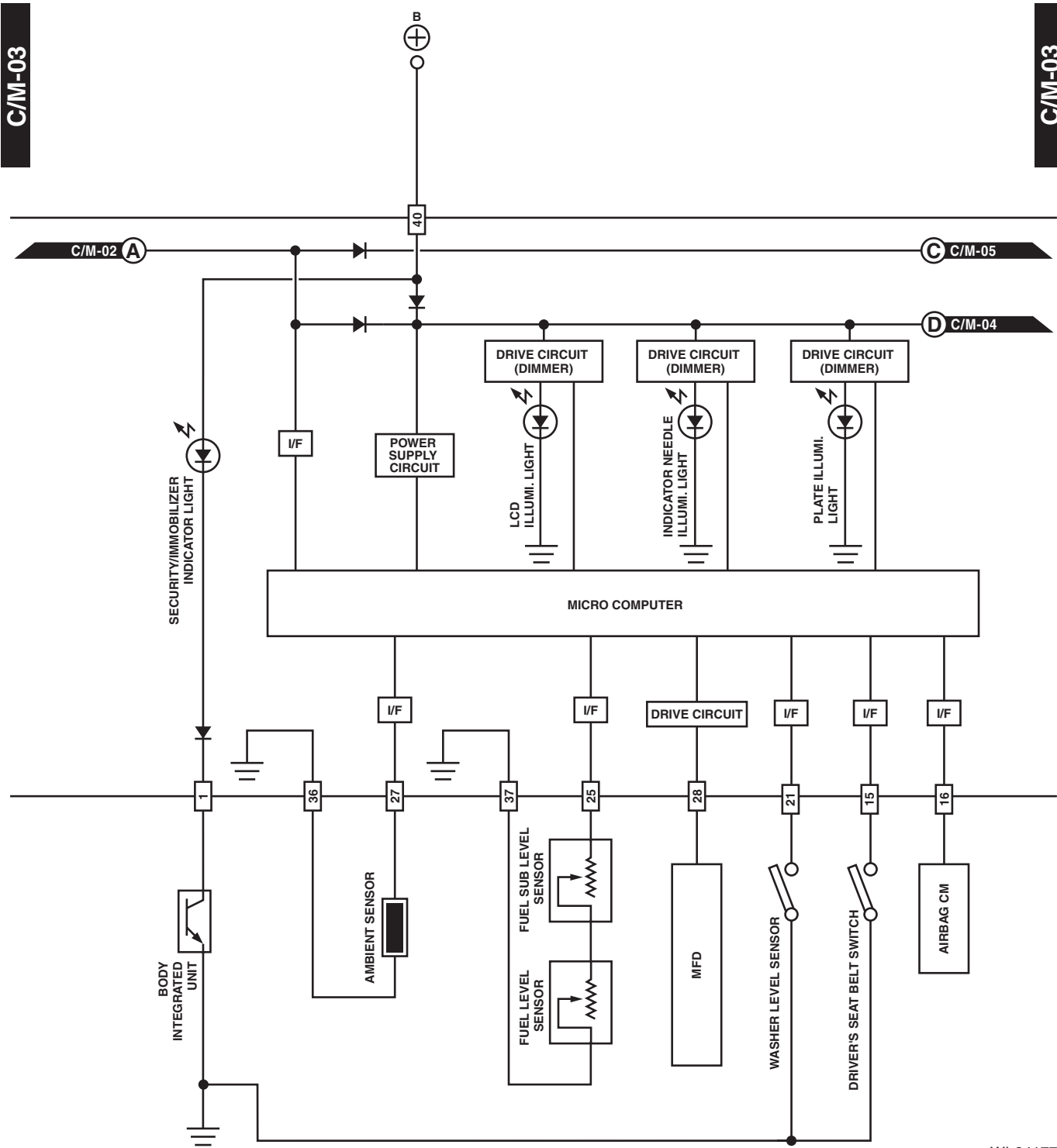




WI-34176

Combination Meter System

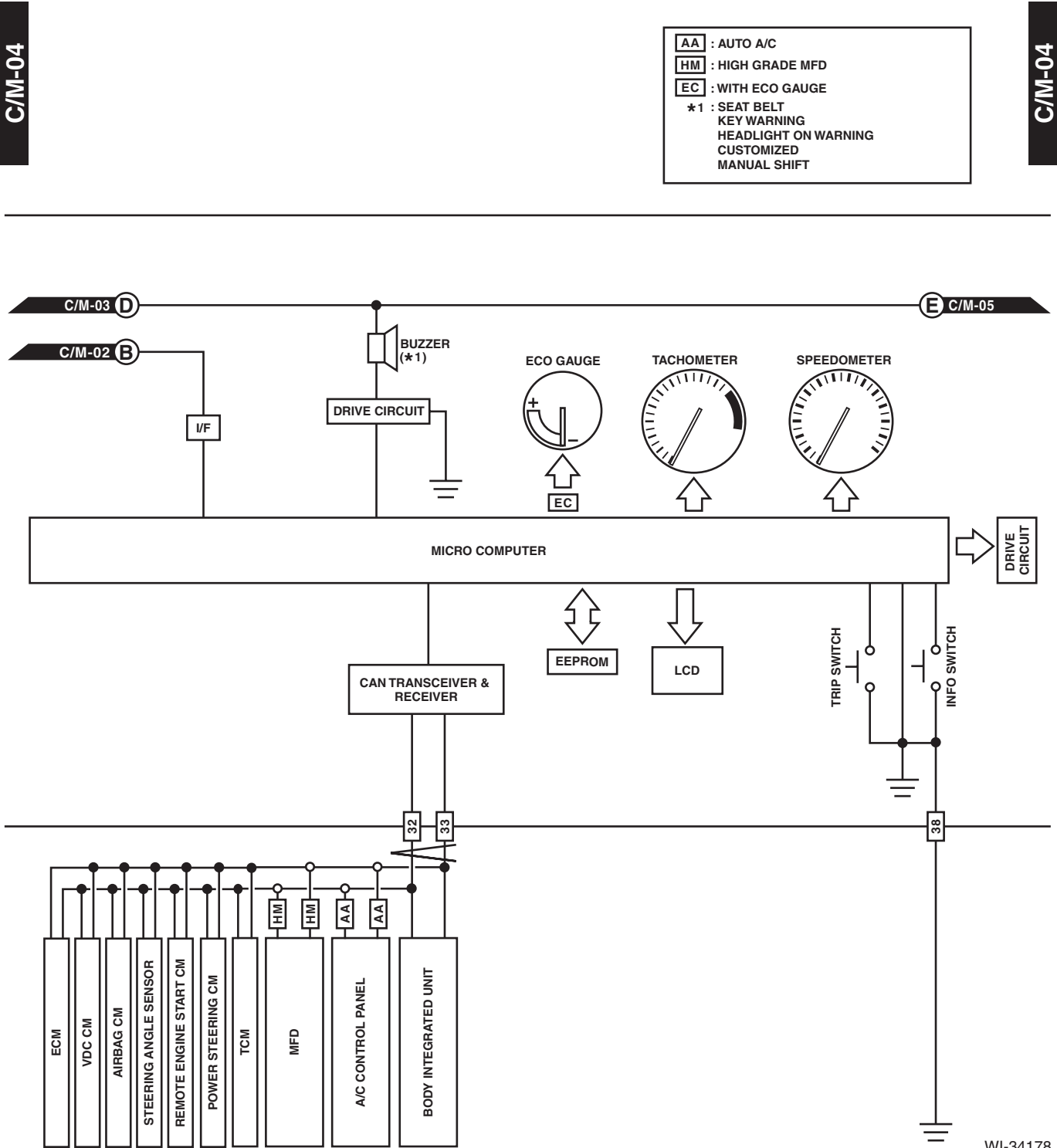
WIRING SYSTEM



WI-34177

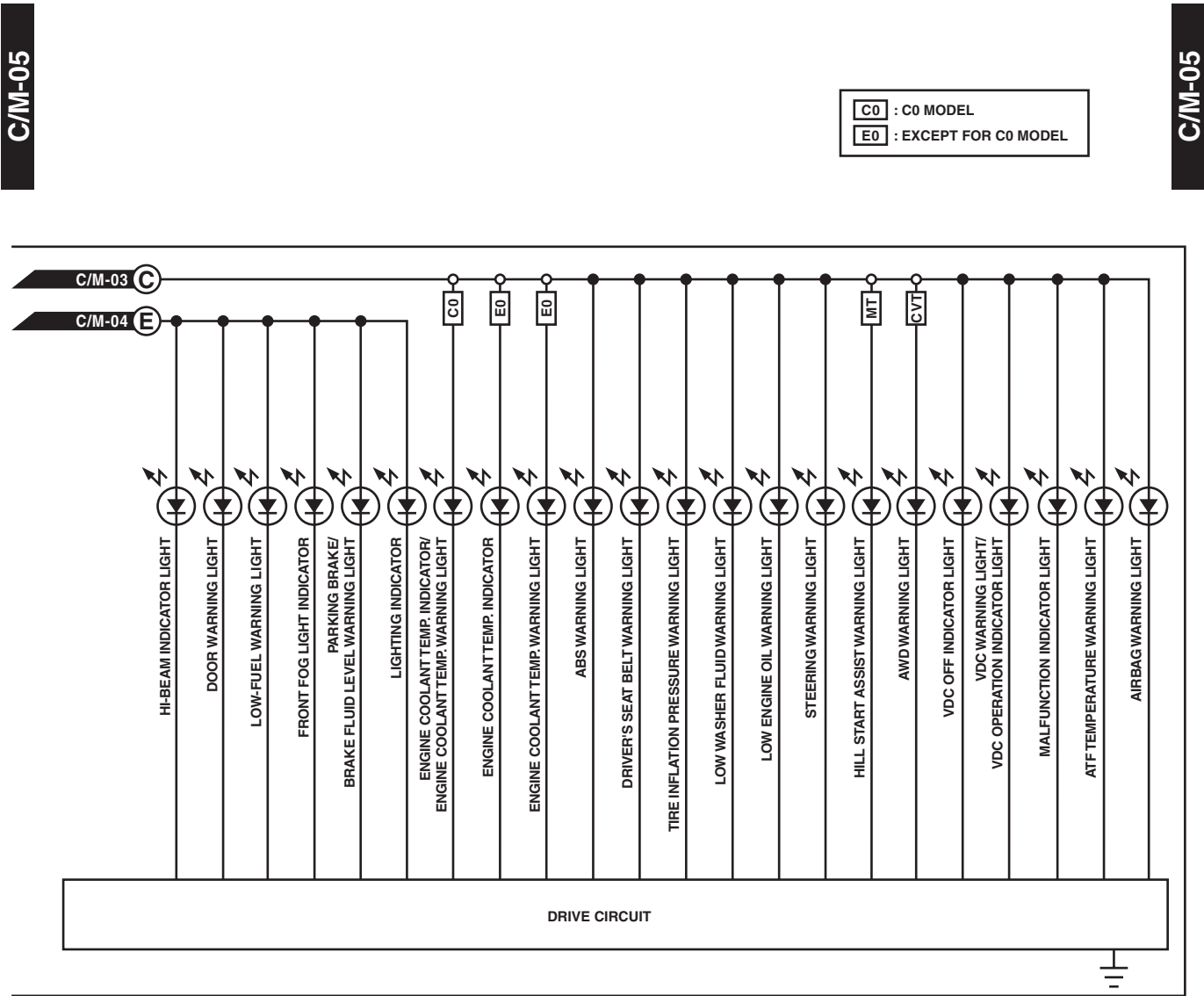
Combination Meter System

WIRING SYSTEM



Combination Meter System

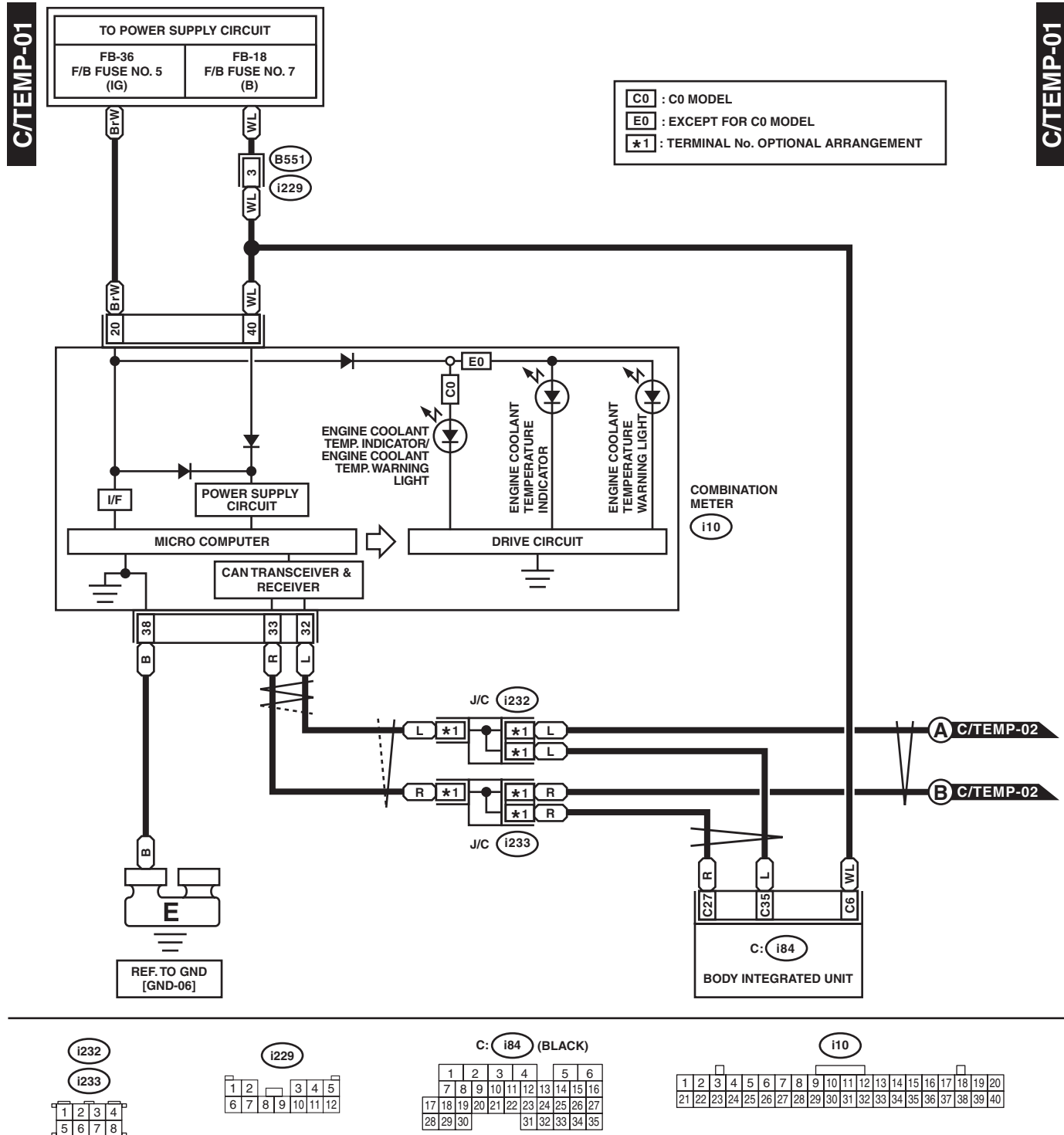
WIRING SYSTEM



WI-34179

13.Coolant Temperature System

A: WIRING DIAGRAM



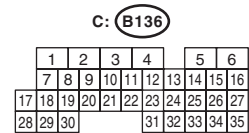
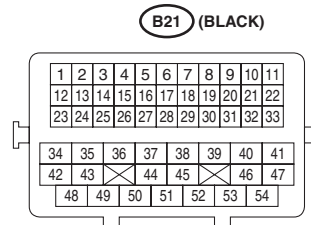
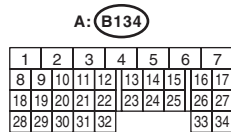
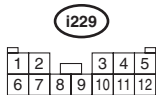
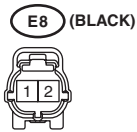
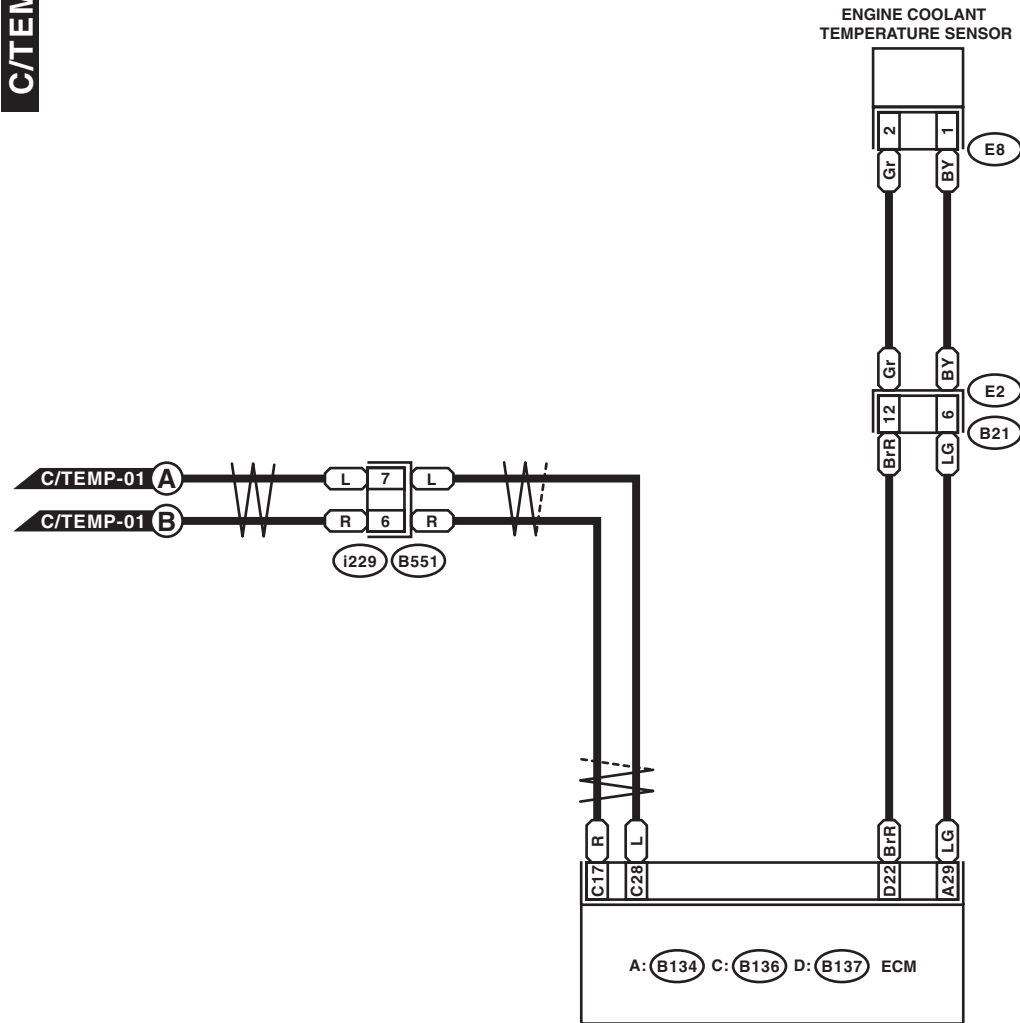
WI-34180

Coolant Temperature System

WIRING SYSTEM

C/TEMP-02

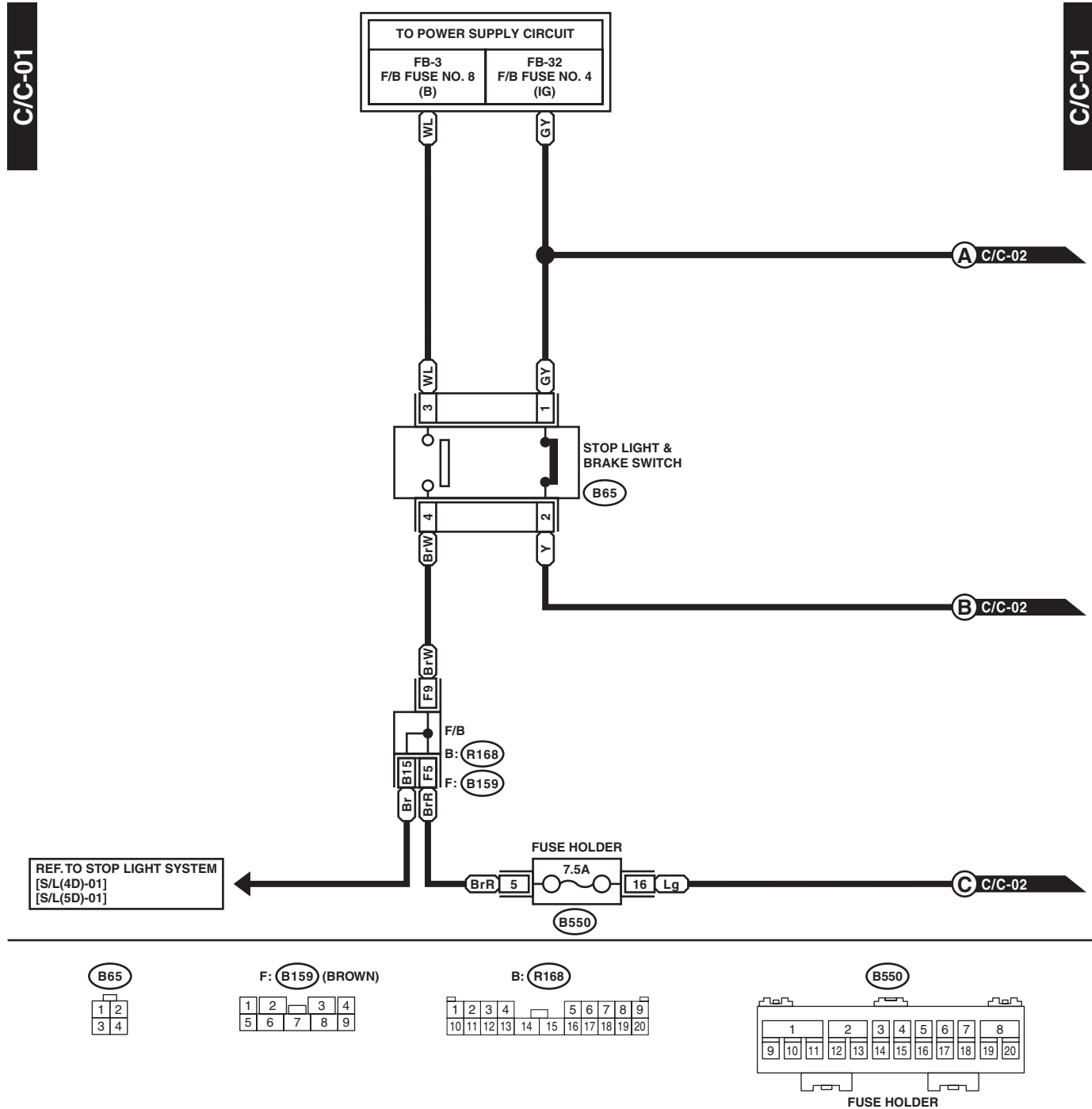
C/TEMP-02



WI-34181

14. Cruise Control System

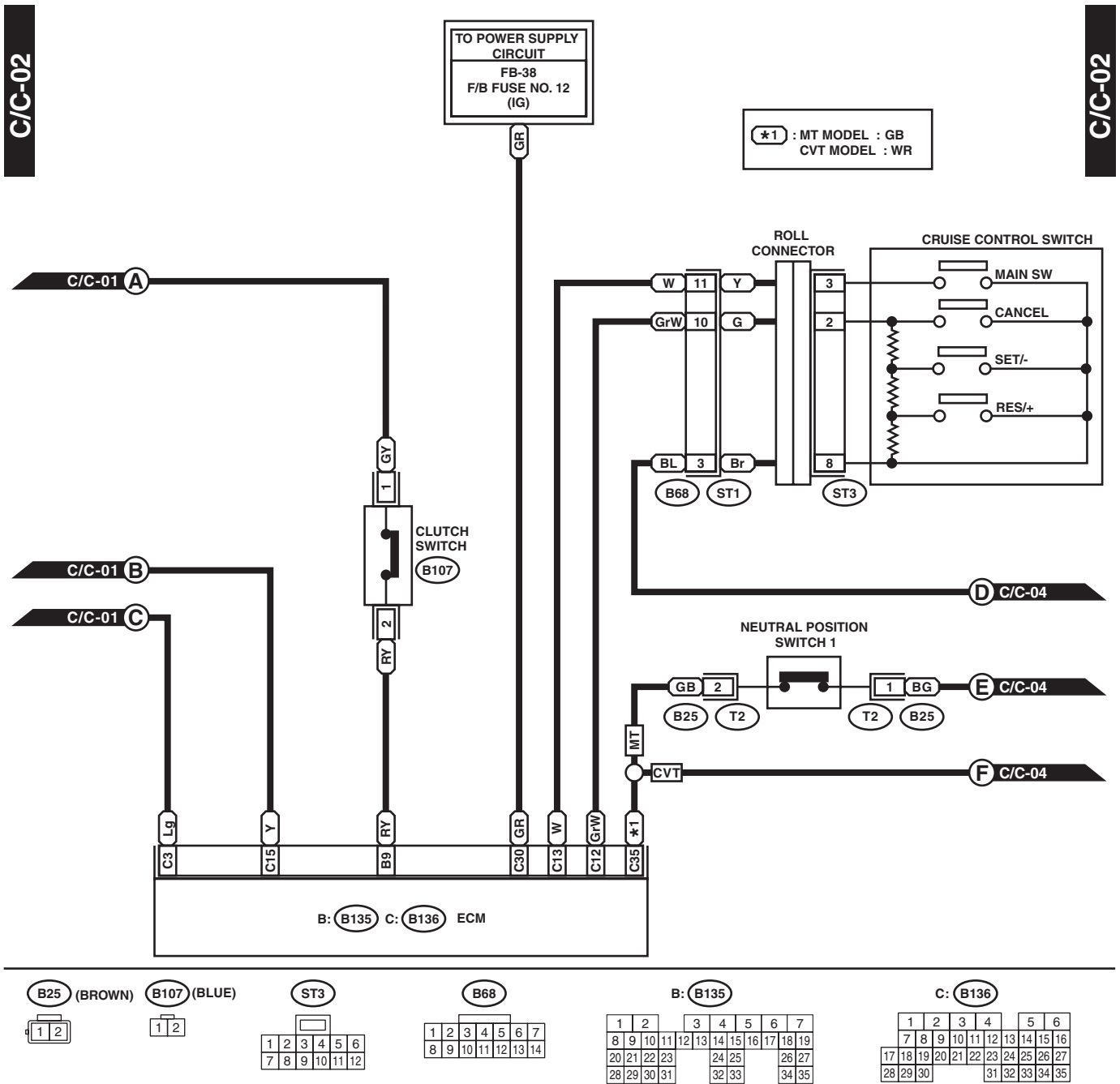
A: WIRING DIAGRAM



WI-34182

Cruise Control System

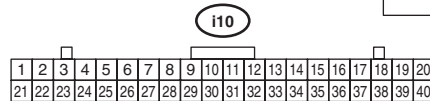
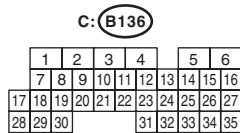
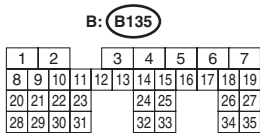
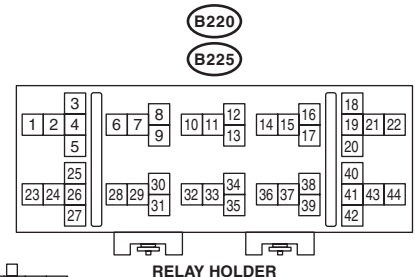
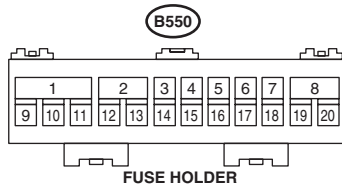
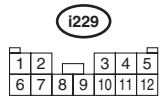
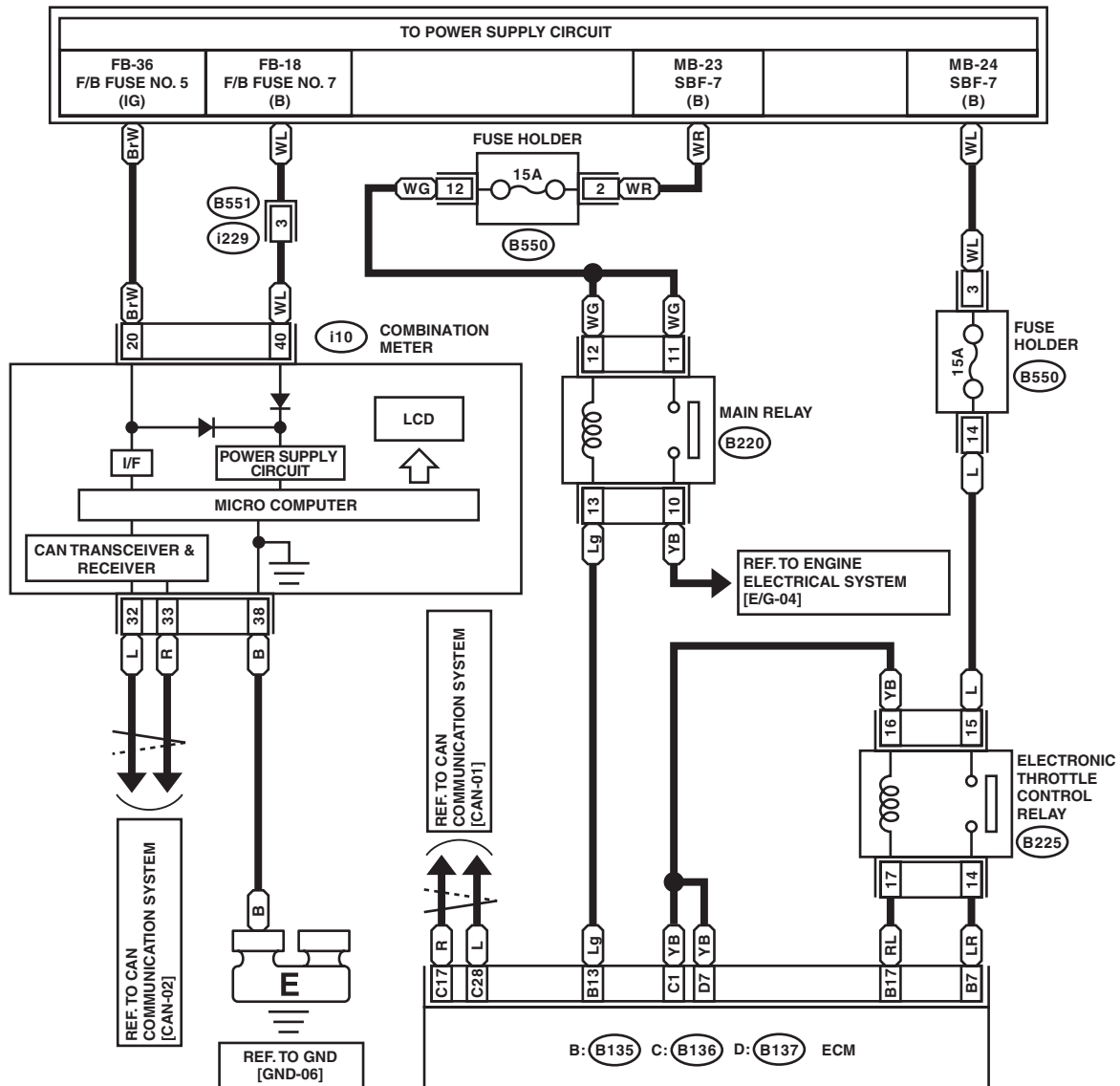
WIRING SYSTEM



WI-34183

C/C-03

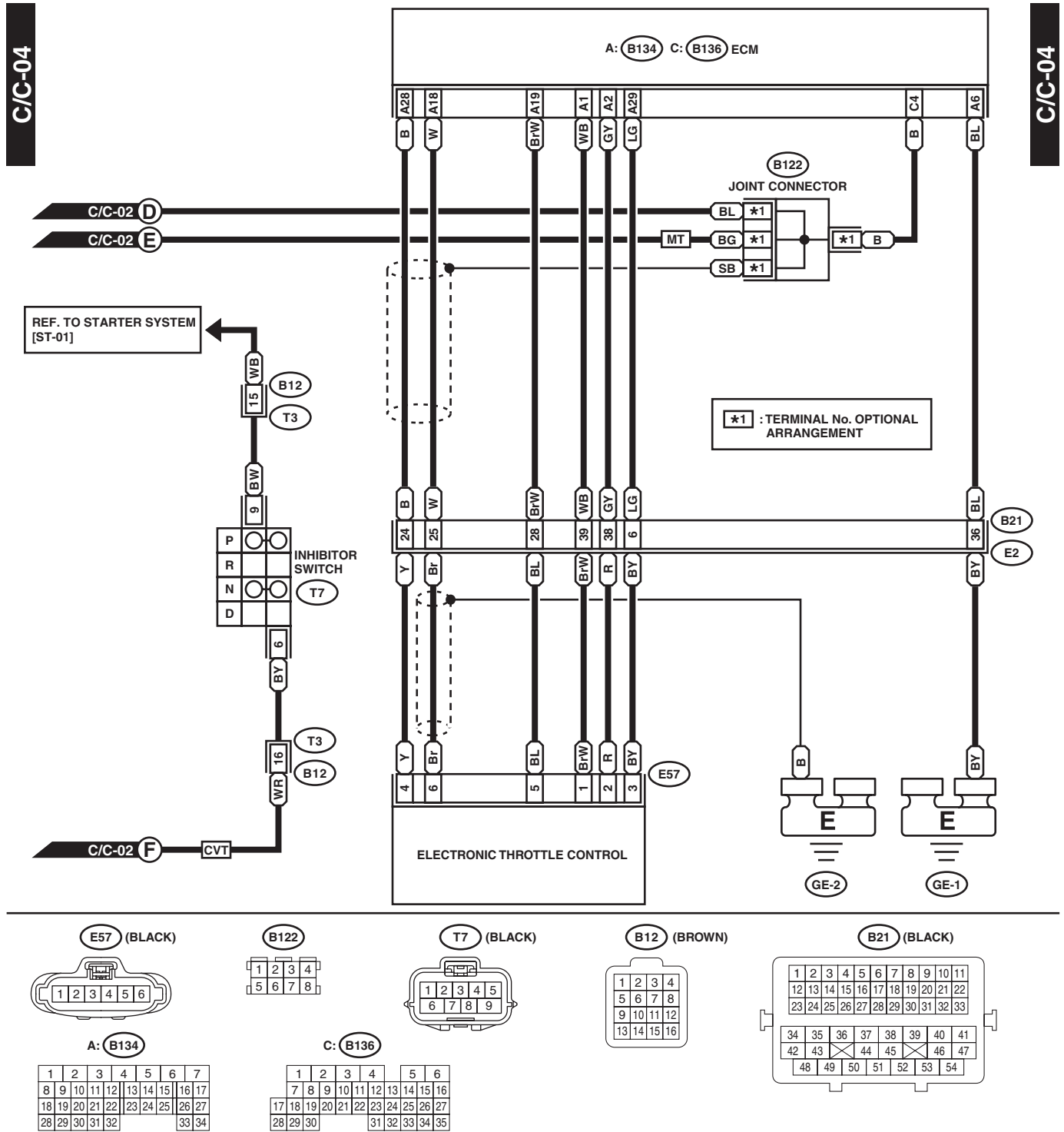
C/C-03



WI-34184

Cruise Control System

WIRING SYSTEM



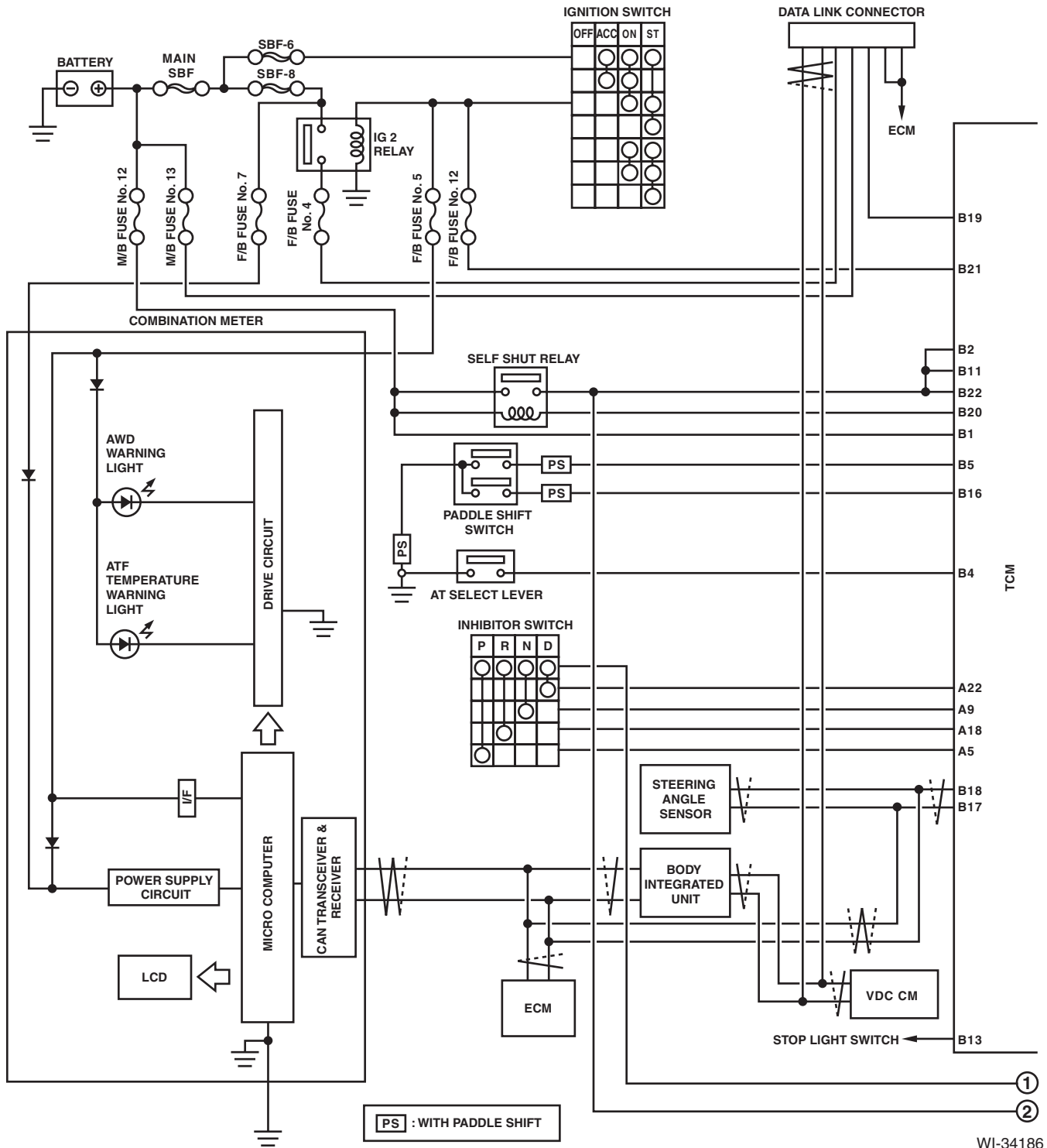
WI-34185

CVT Control System

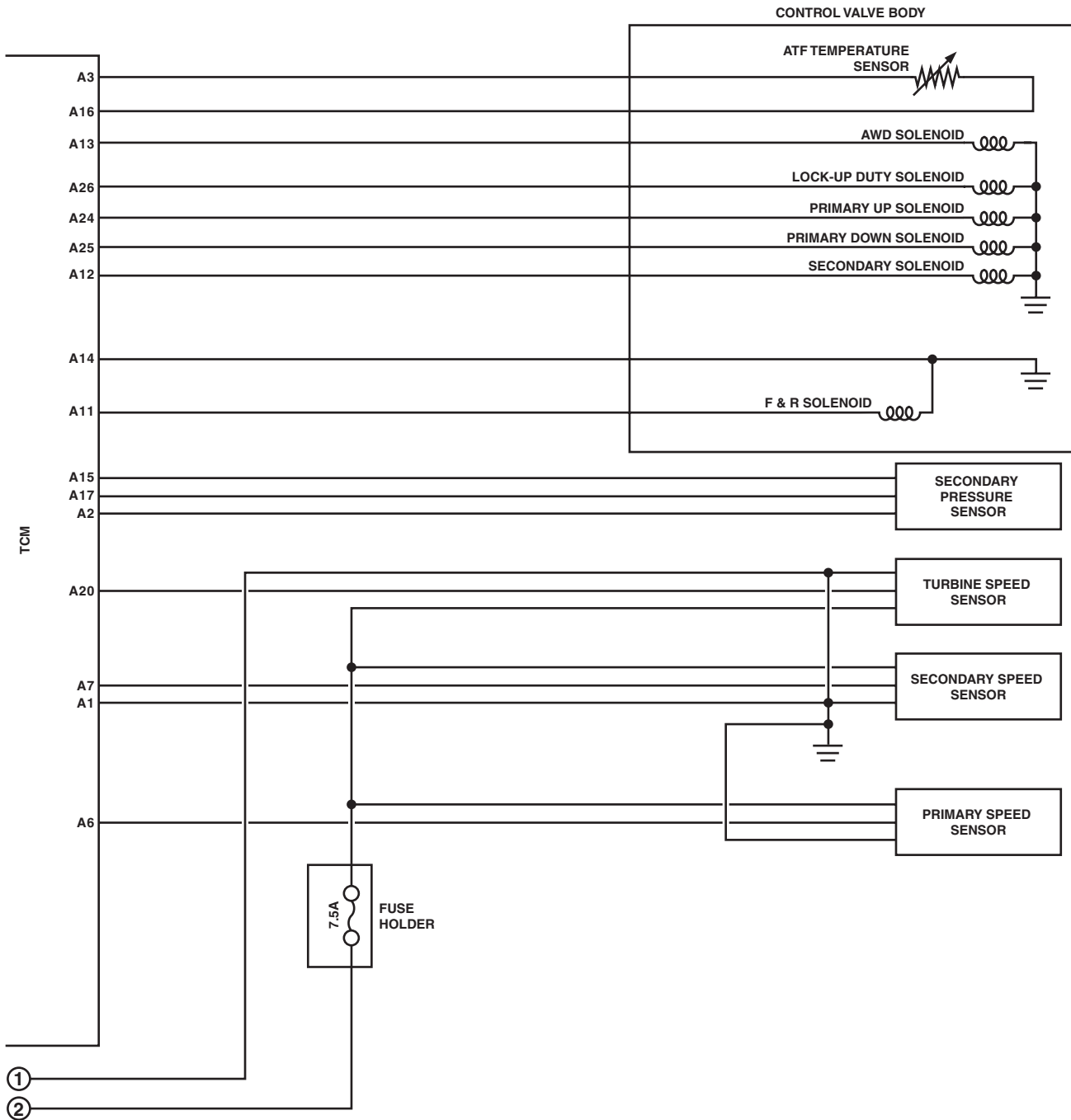
WIRING SYSTEM

15.CVT Control System

A: WIRING DIAGRAM



WI-34186



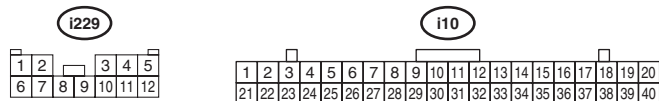
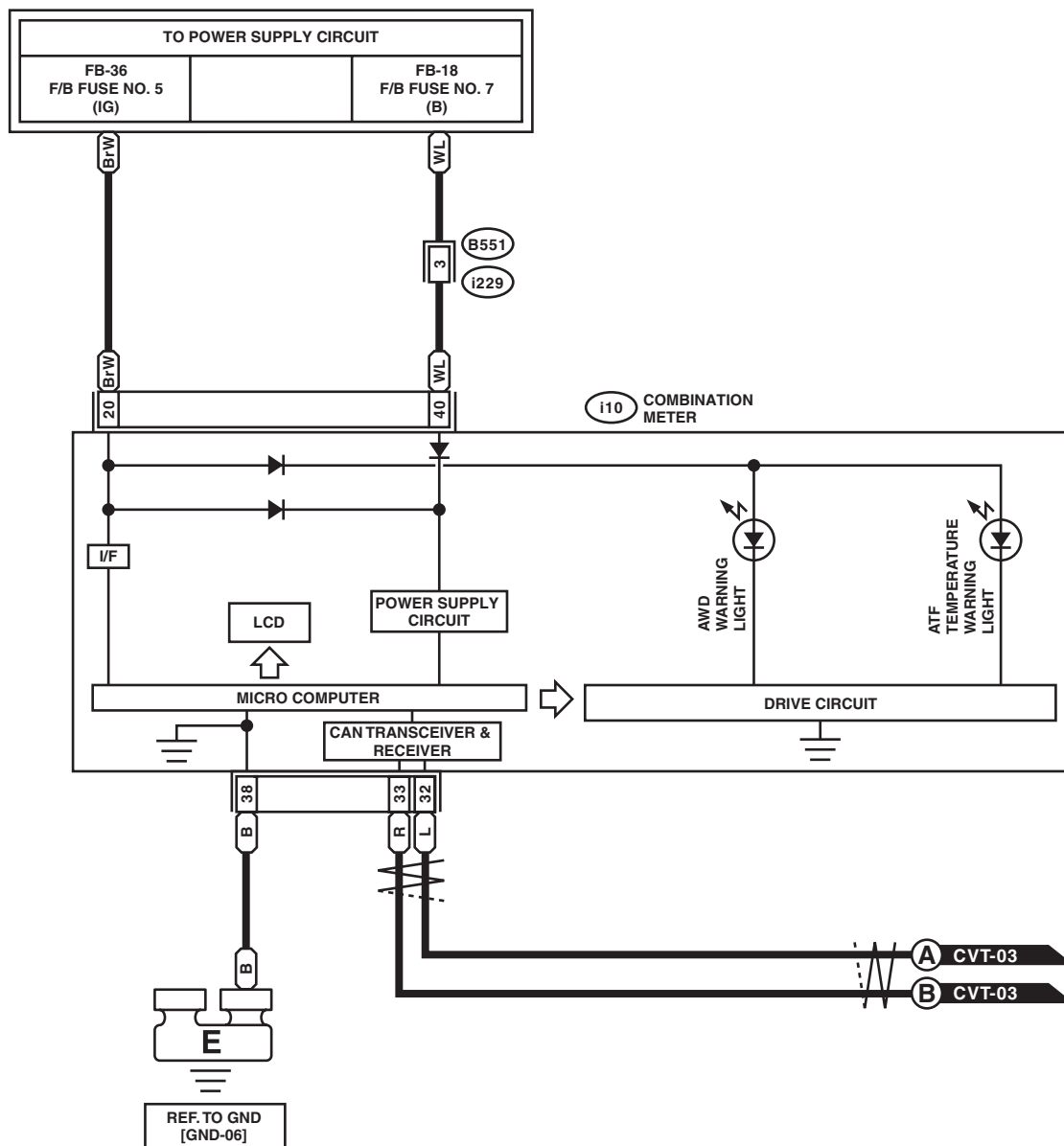
WI-34187

WIRING SYSTEM

WIRING SYSTEM

CVT-01

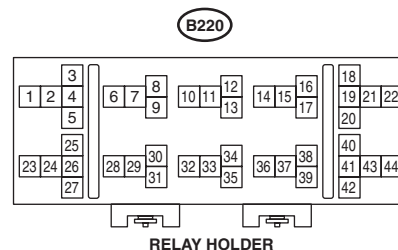
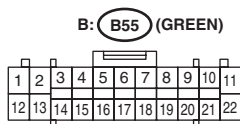
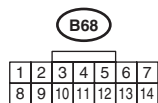
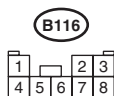
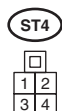
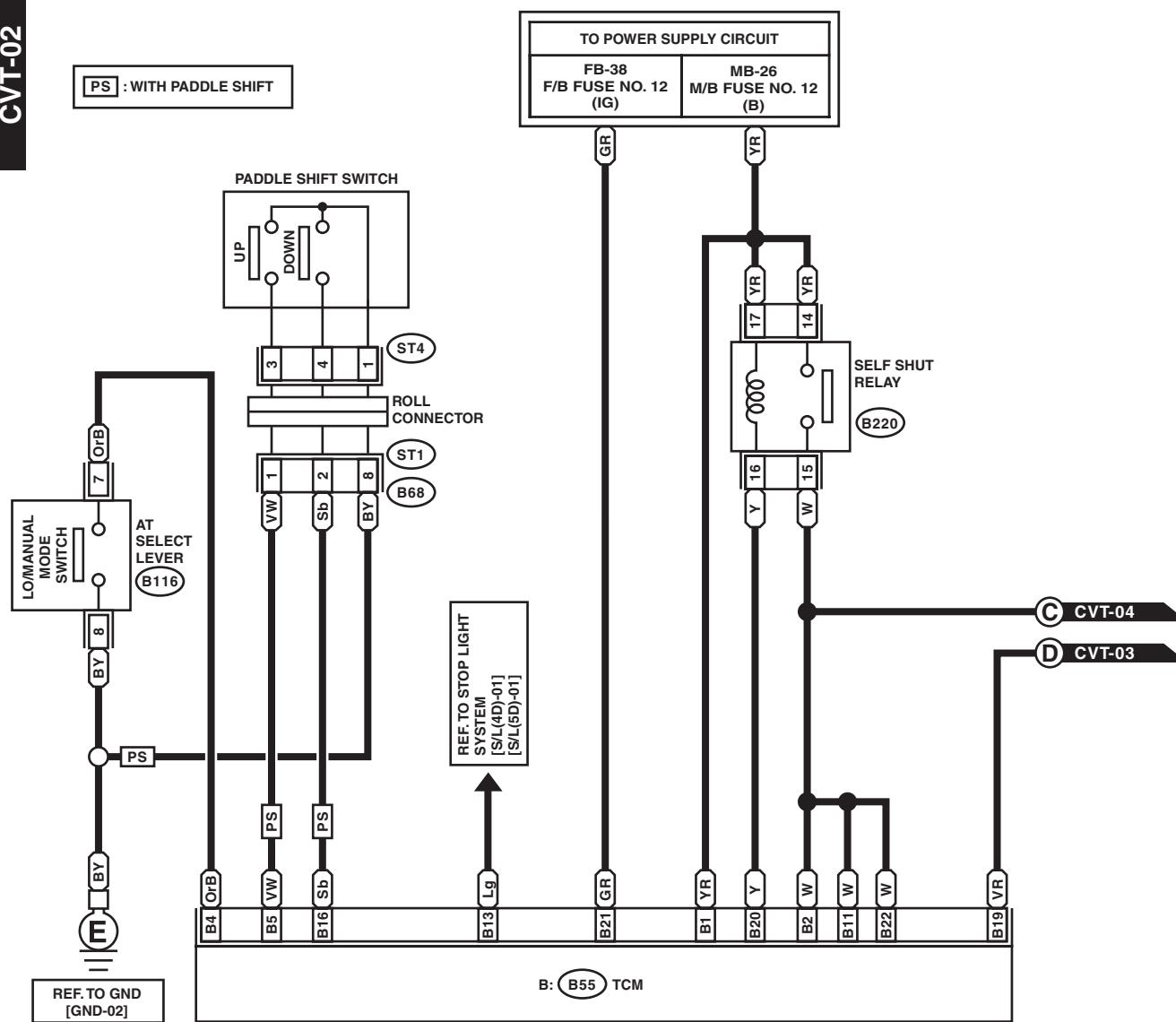
CVT-01



WI-34188

CVT-02

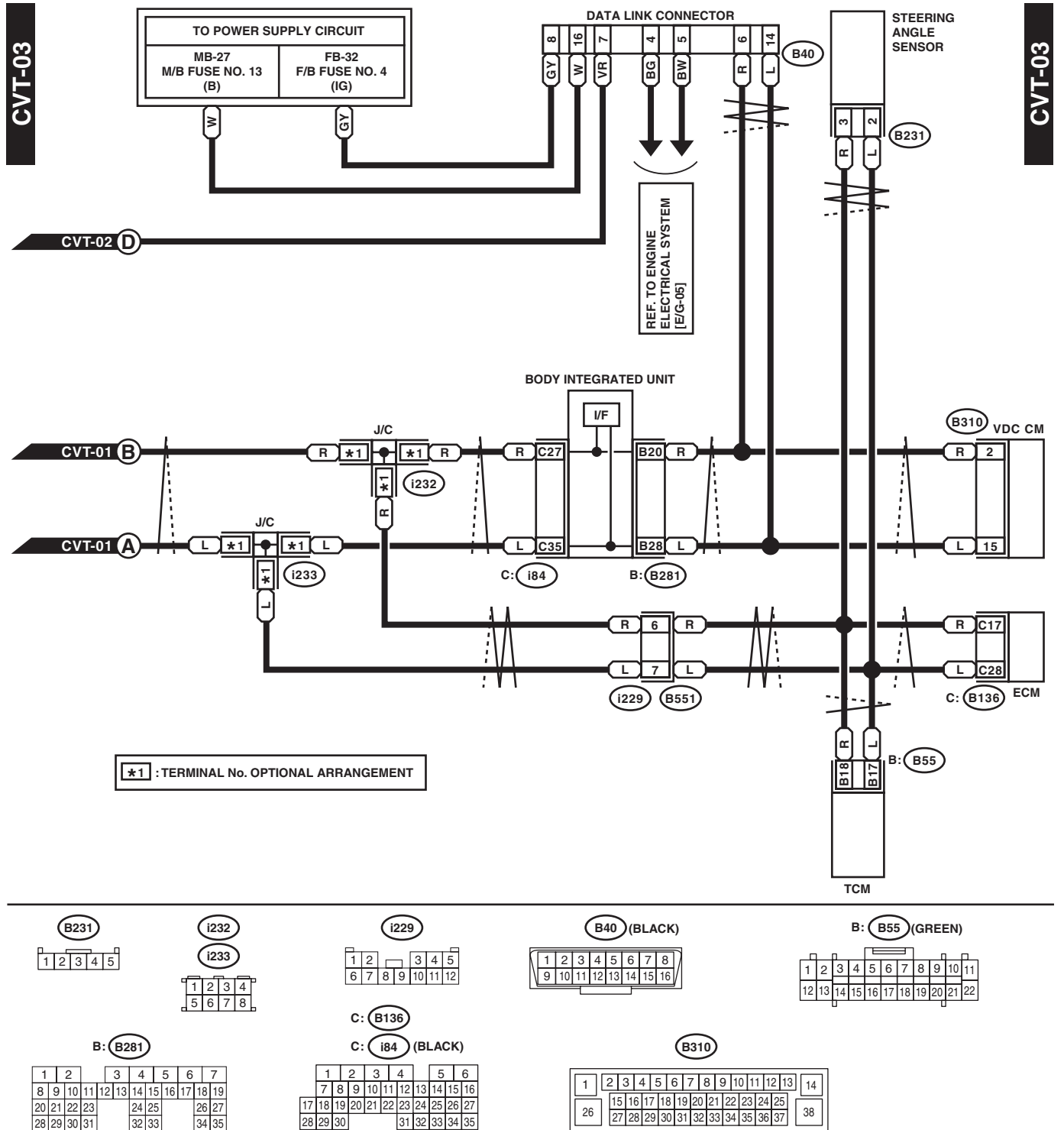
CVT-02



WI-34189

CVT Control System

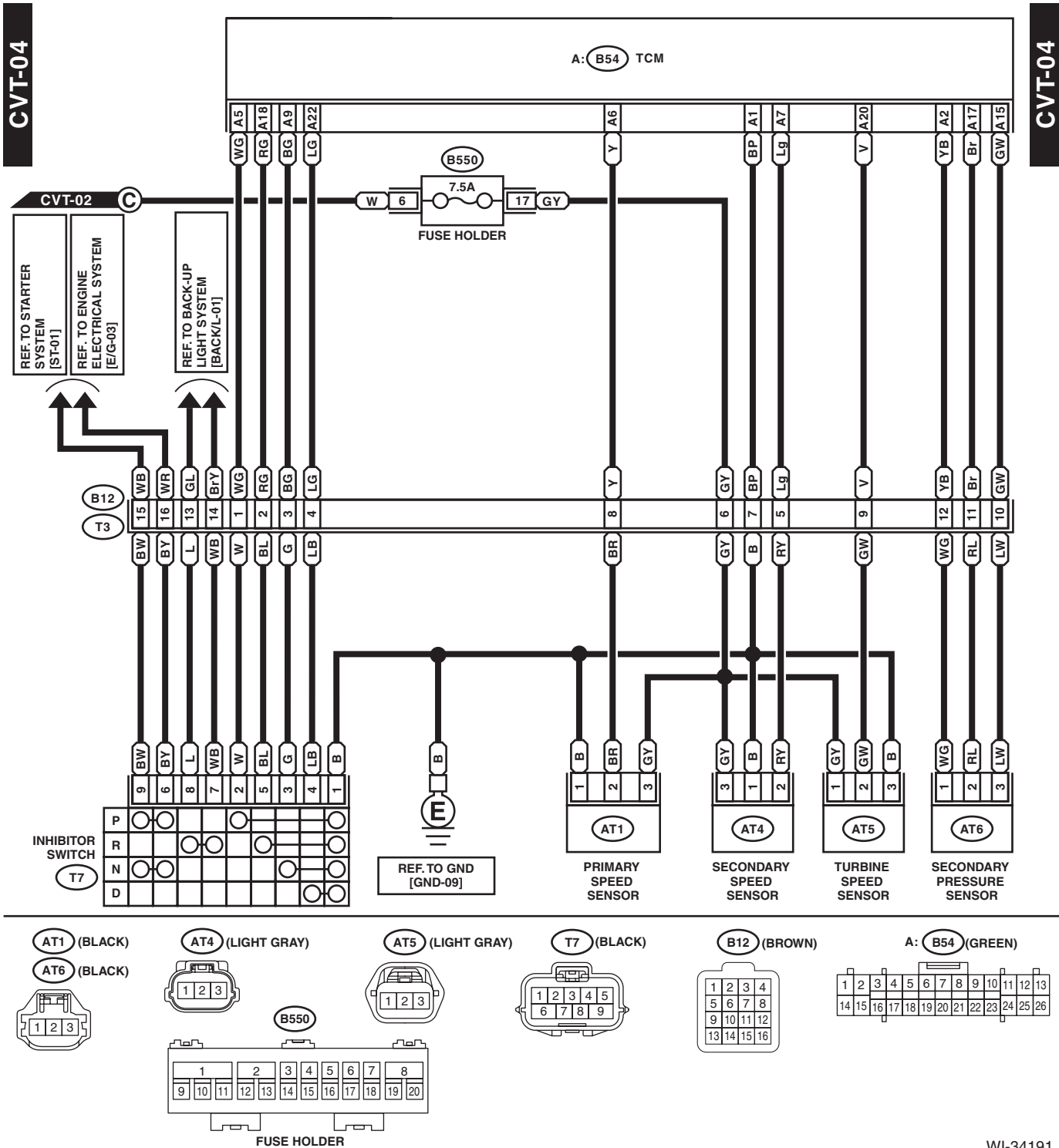
WIRING SYSTEM



WI-34190

CVT Control System

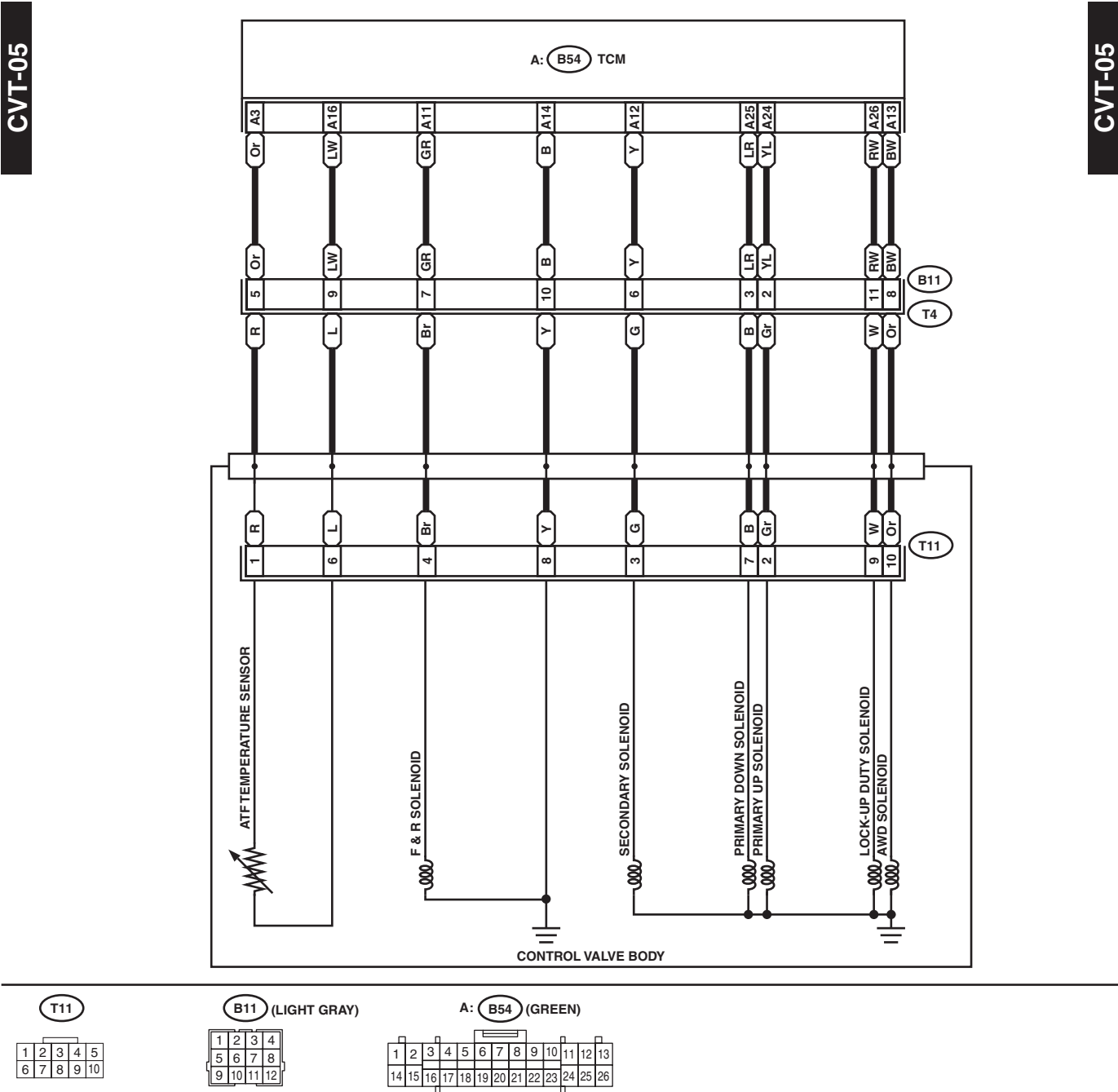
WIRING SYSTEM



WI-34191

CVT Control System

WIRING SYSTEM



WI-34192

A: WIRING DIAGRAM

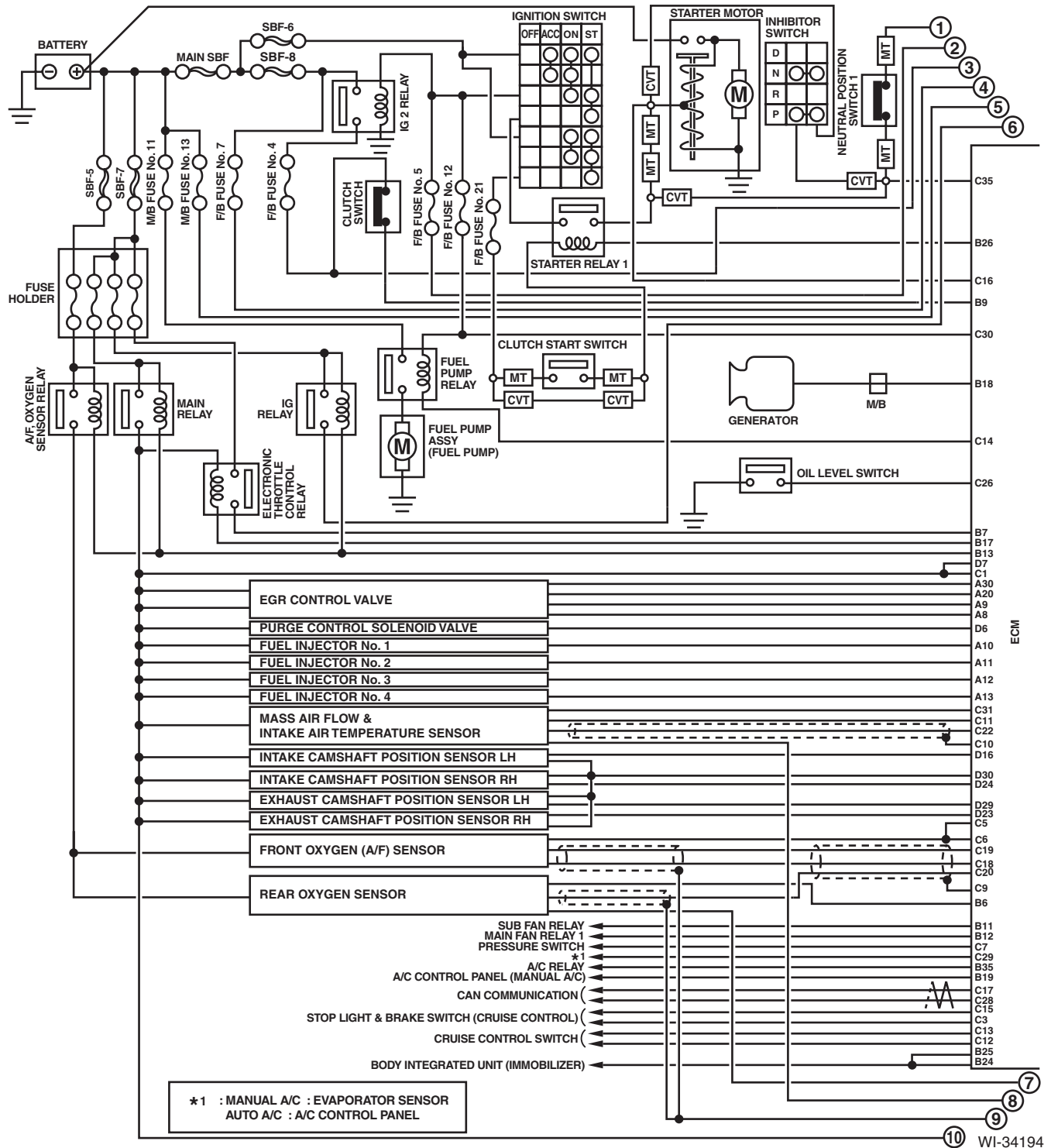


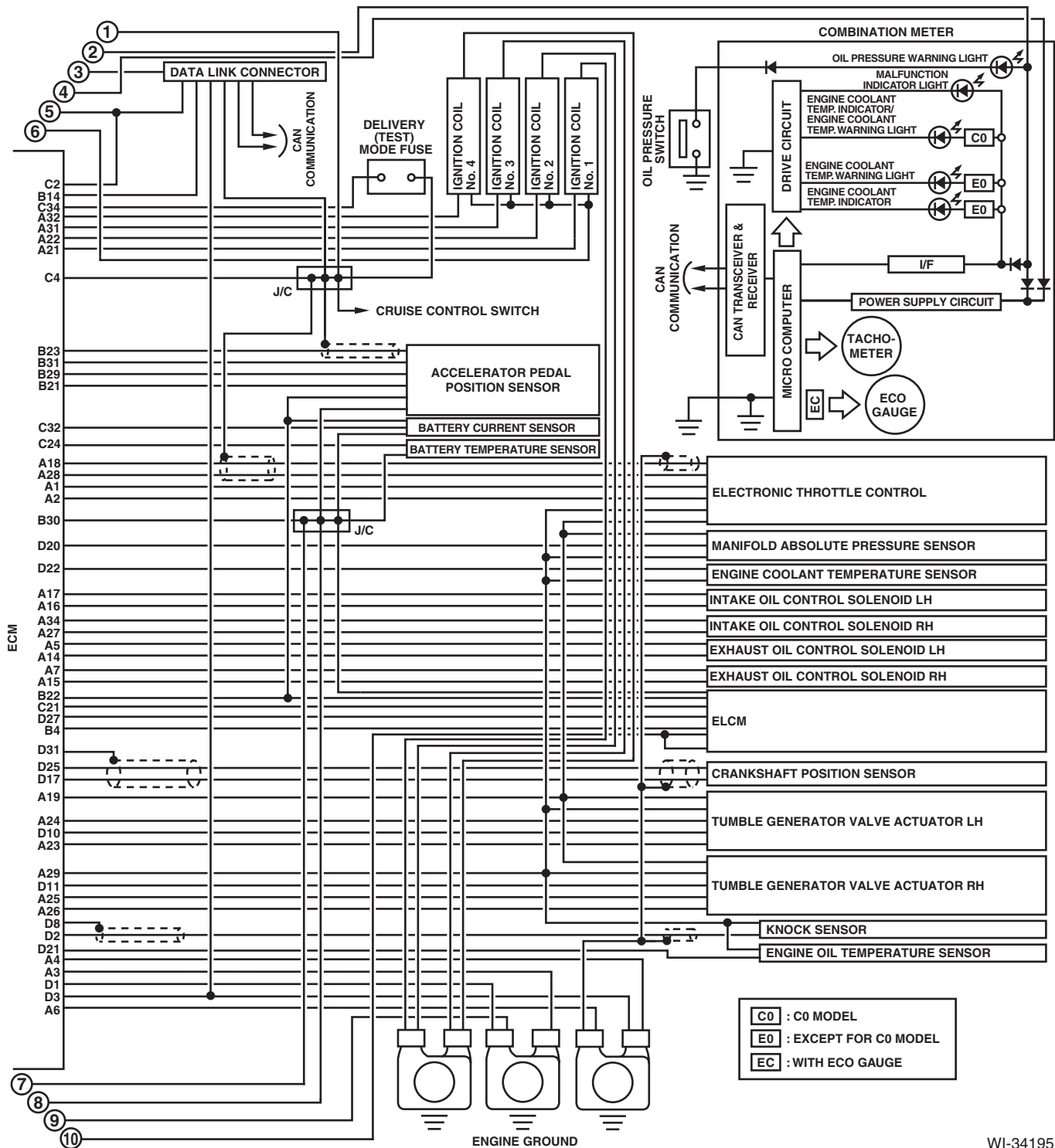
Engine Electrical System

WIRING SYSTEM

17.Engine Electrical System

A: WIRING DIAGRAM

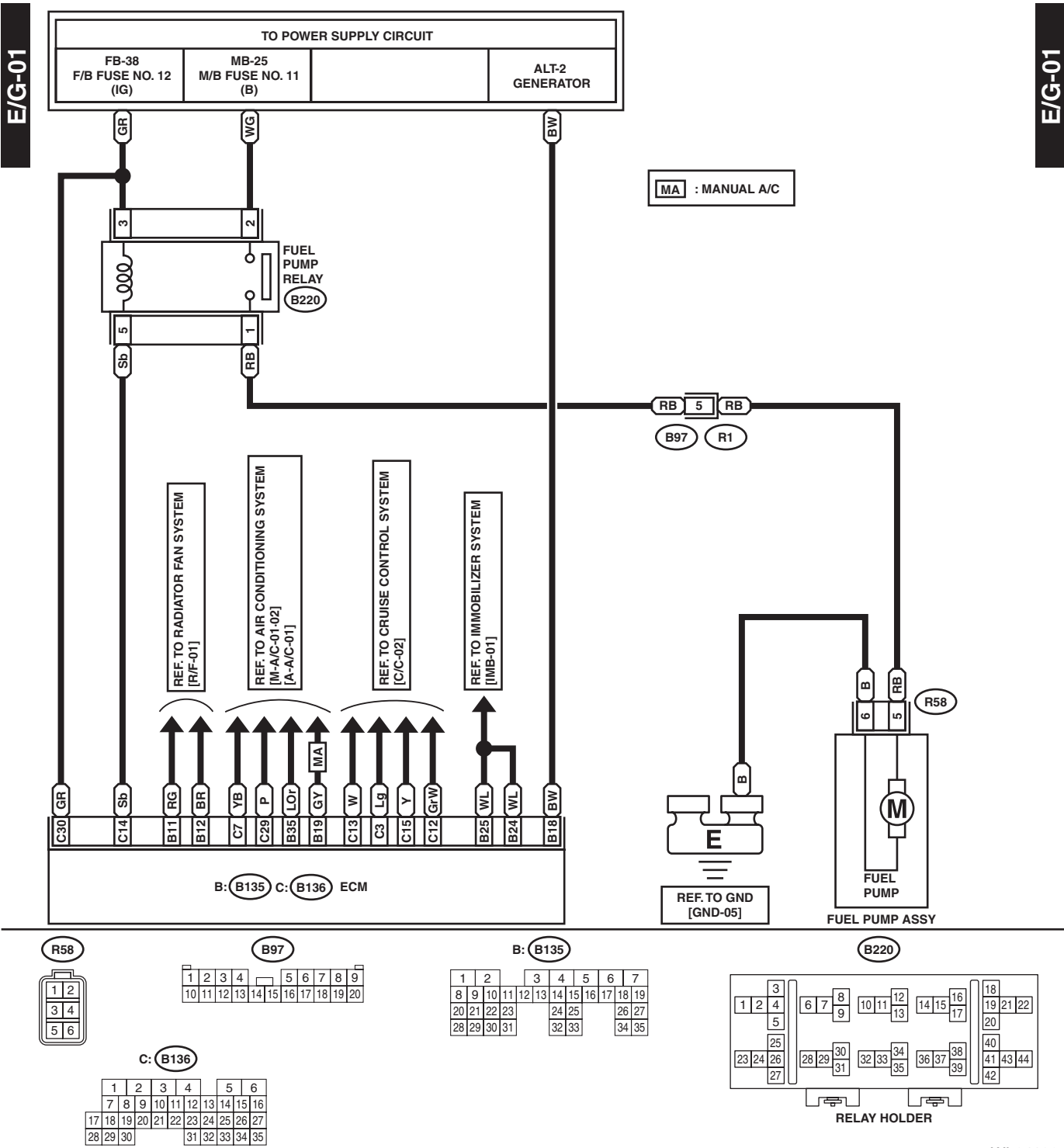




WI-34195

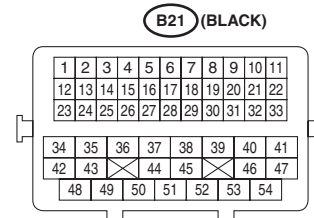
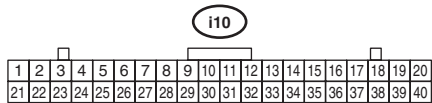
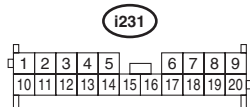
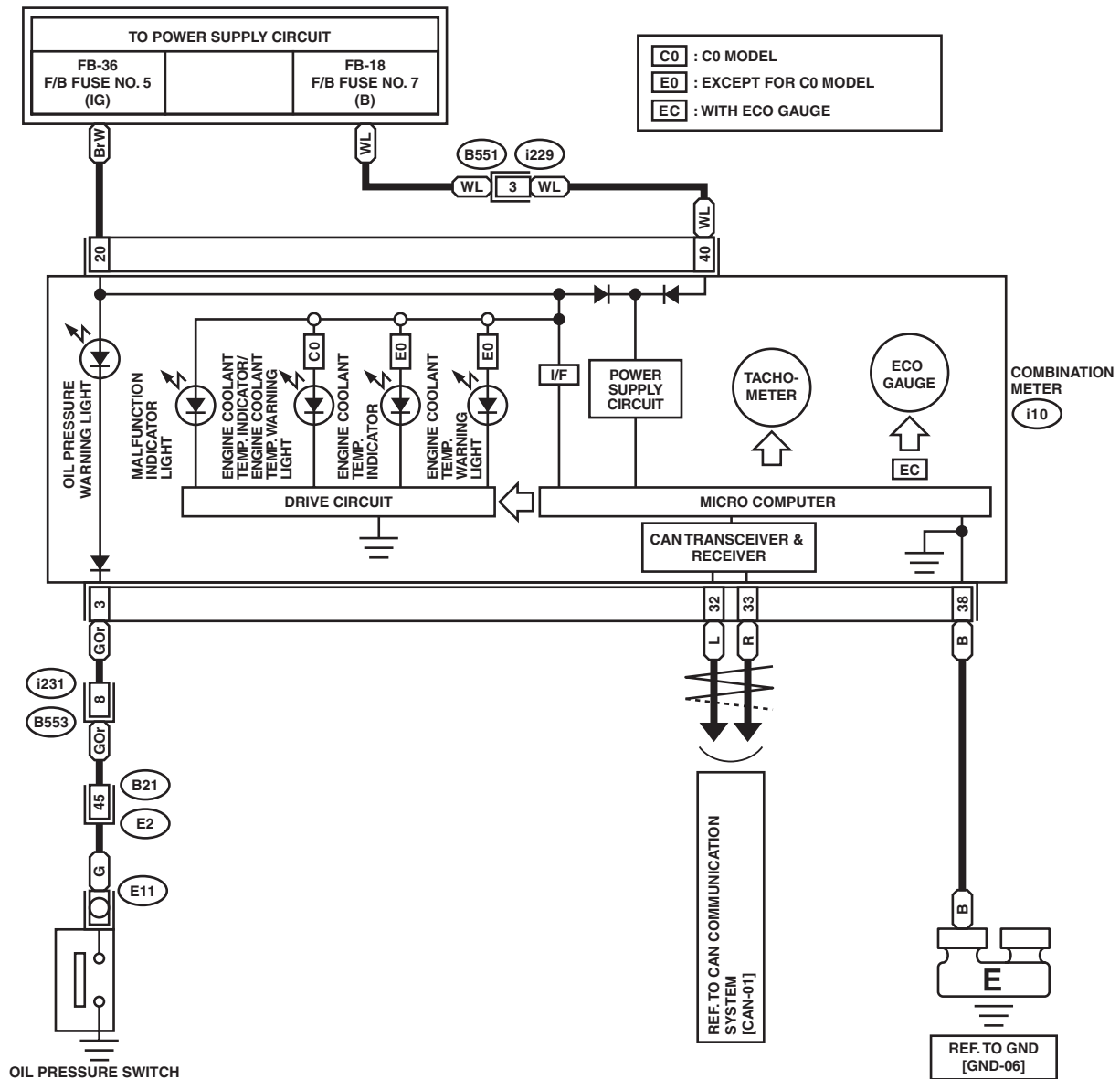
Engine Electrical System

WIRING SYSTEM

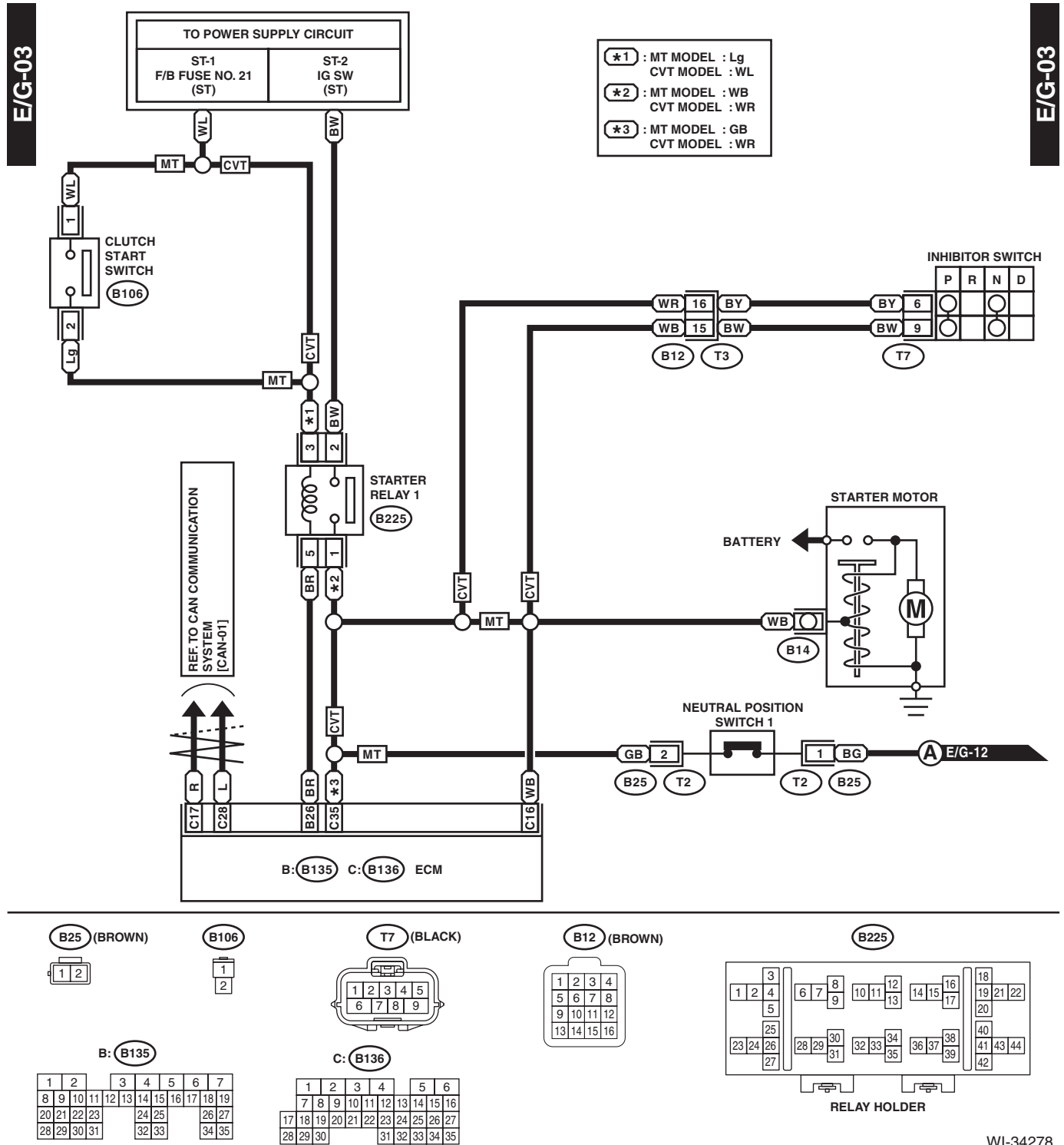


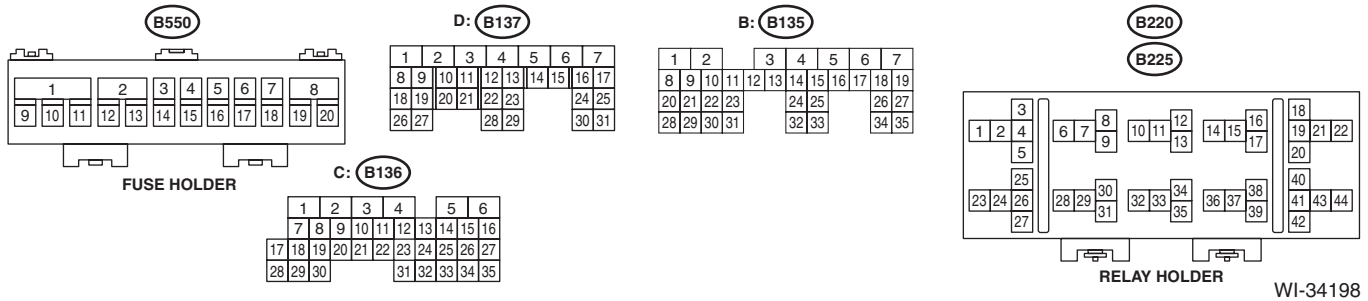
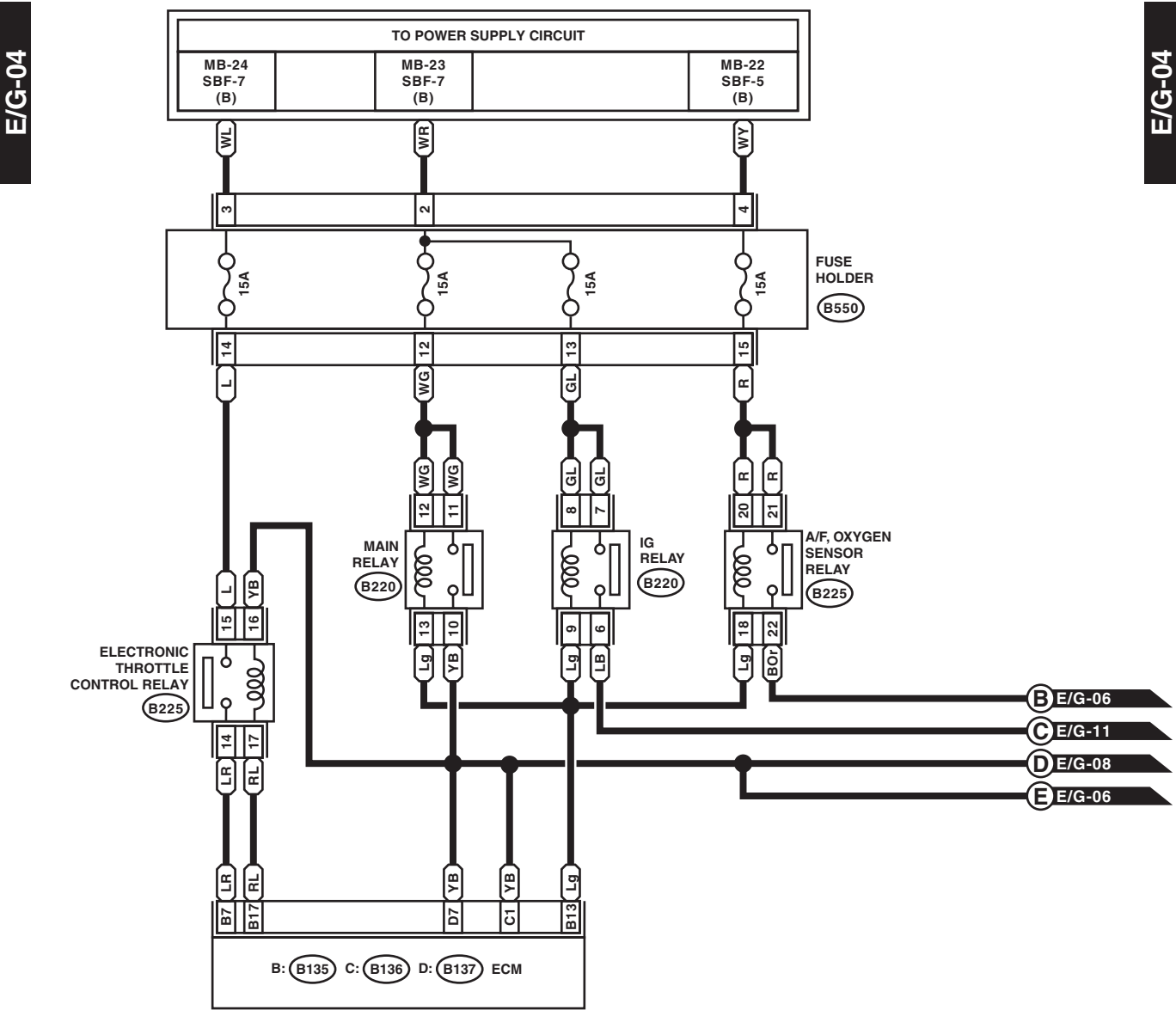
E/G-02

E/G-02



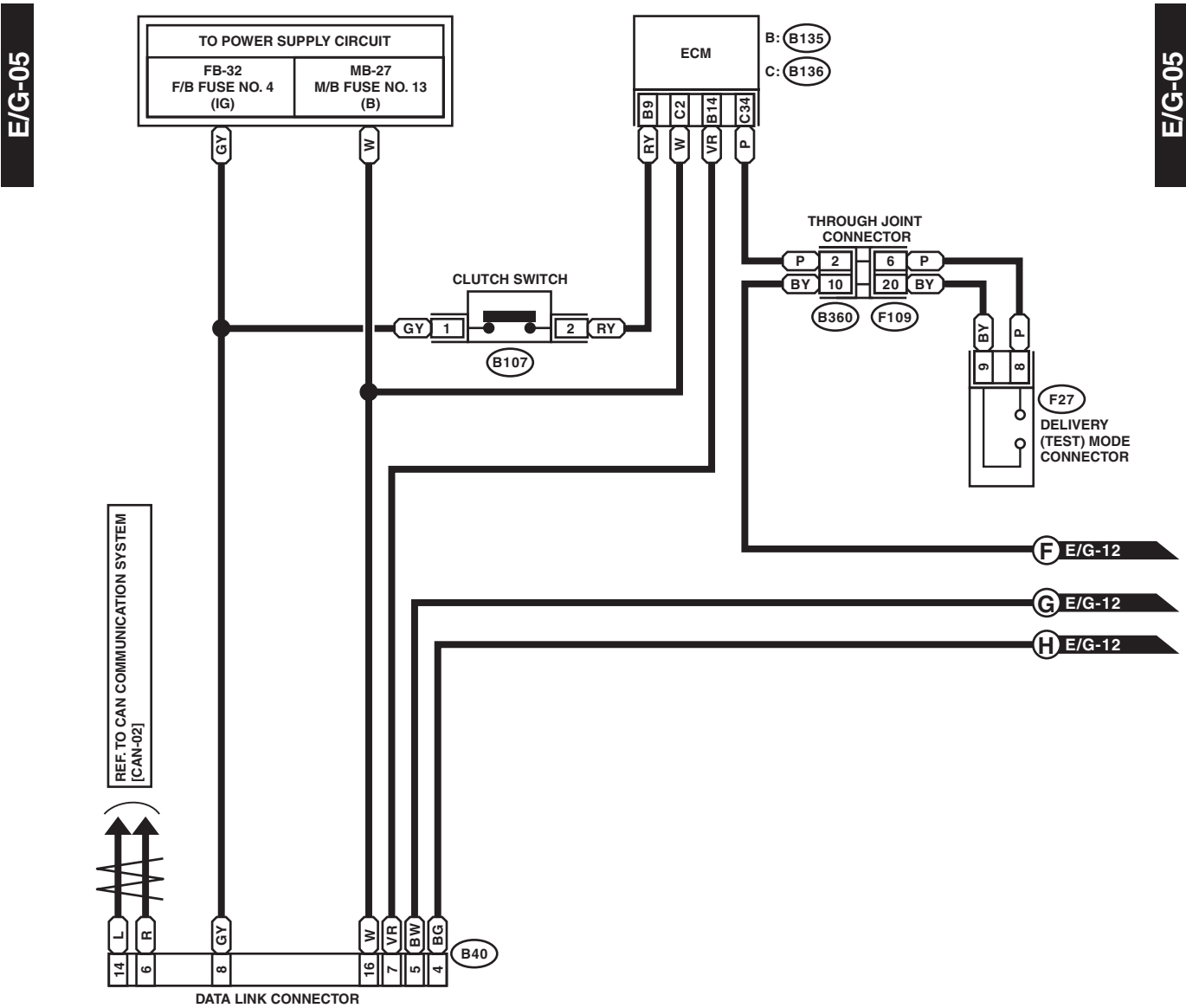
WI-34197





Engine Electrical System

WIRING SYSTEM



(B107) (BLUE)

1	2
---	---

(B40) (BLACK)

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

(B360) (GRAY)

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

(F109)

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

(F27)

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
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

RELAY HOLDER

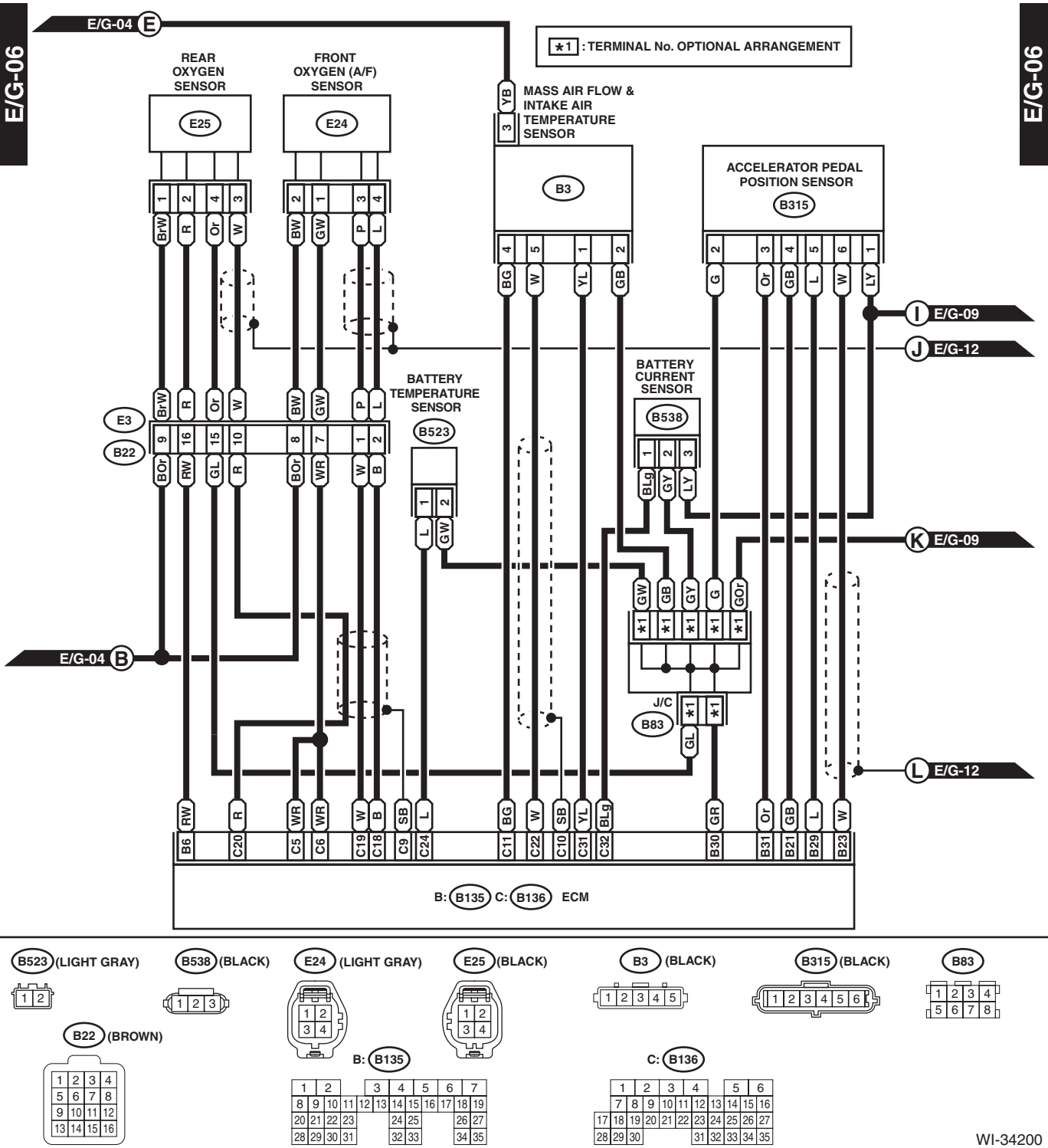
B: (B135)

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	

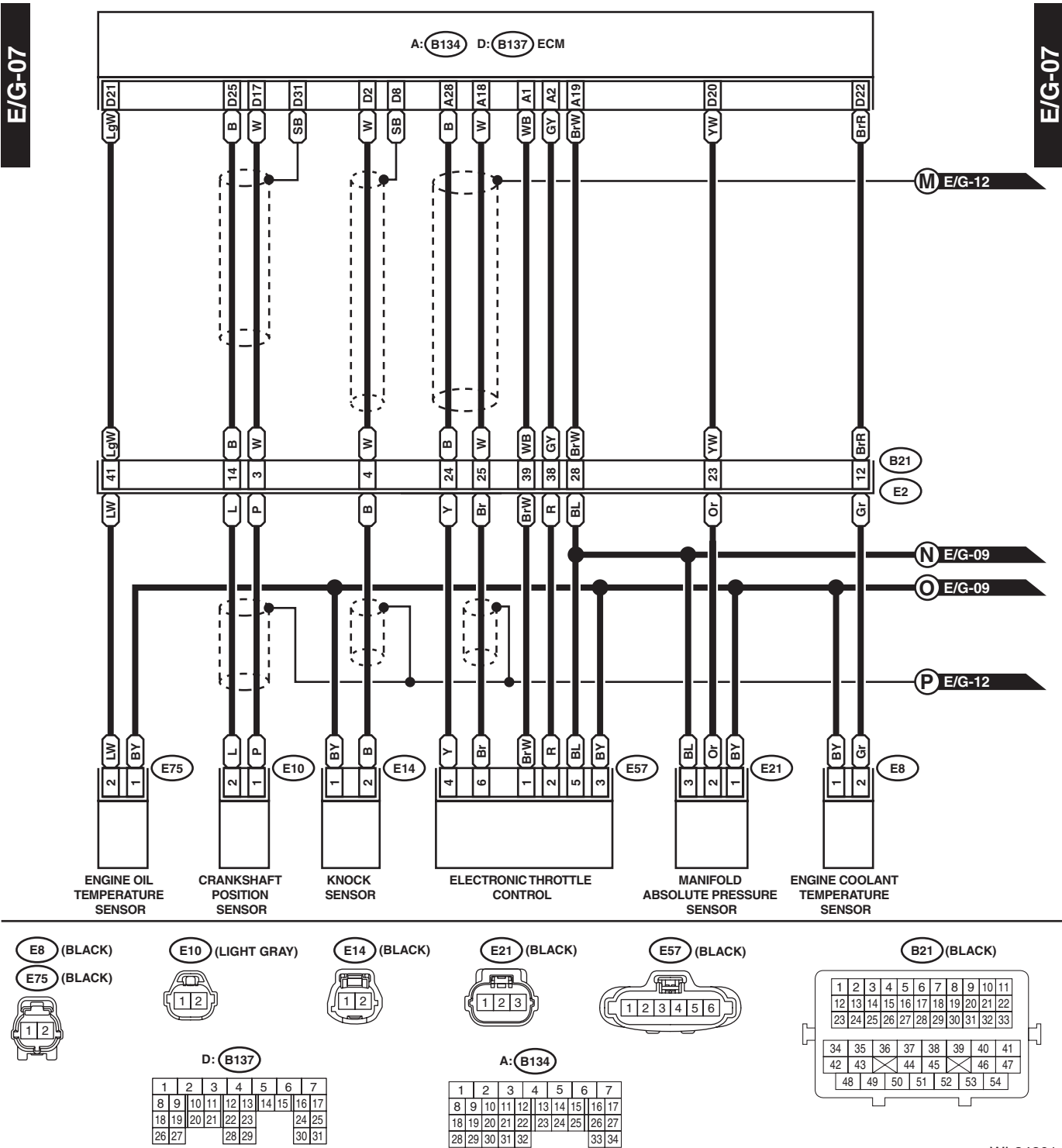
WI-34199



WI-34200

Engine Electrical System

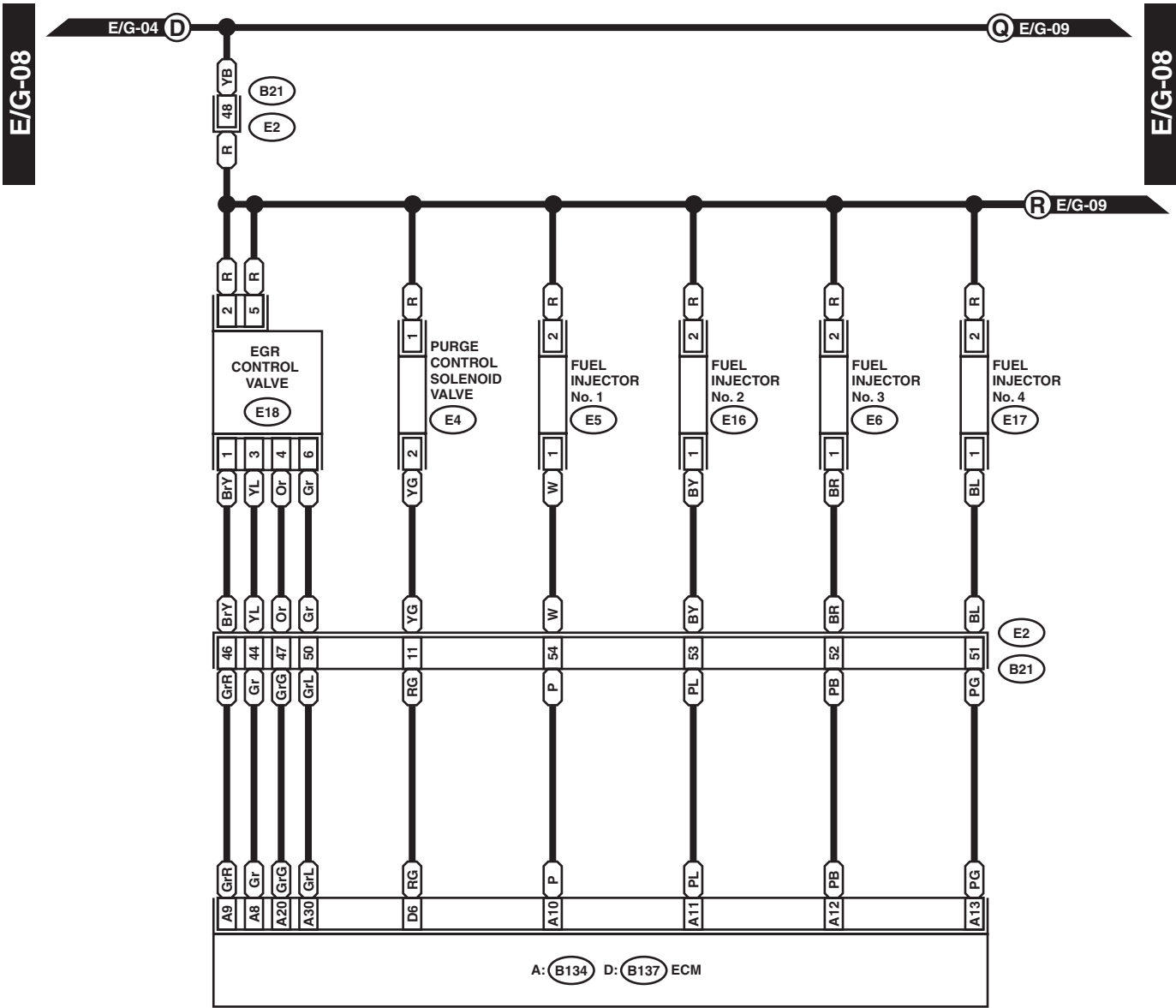
WIRING SYSTEM



WI-34201

Engine Electrical System

WIRING SYSTEM



E4 (BLUE)



(DARK GRAY) E5 (DARK GRAY)
(DARK GRAY) E6 (DARK GRAY)



E18 (DARK GRAY)



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	

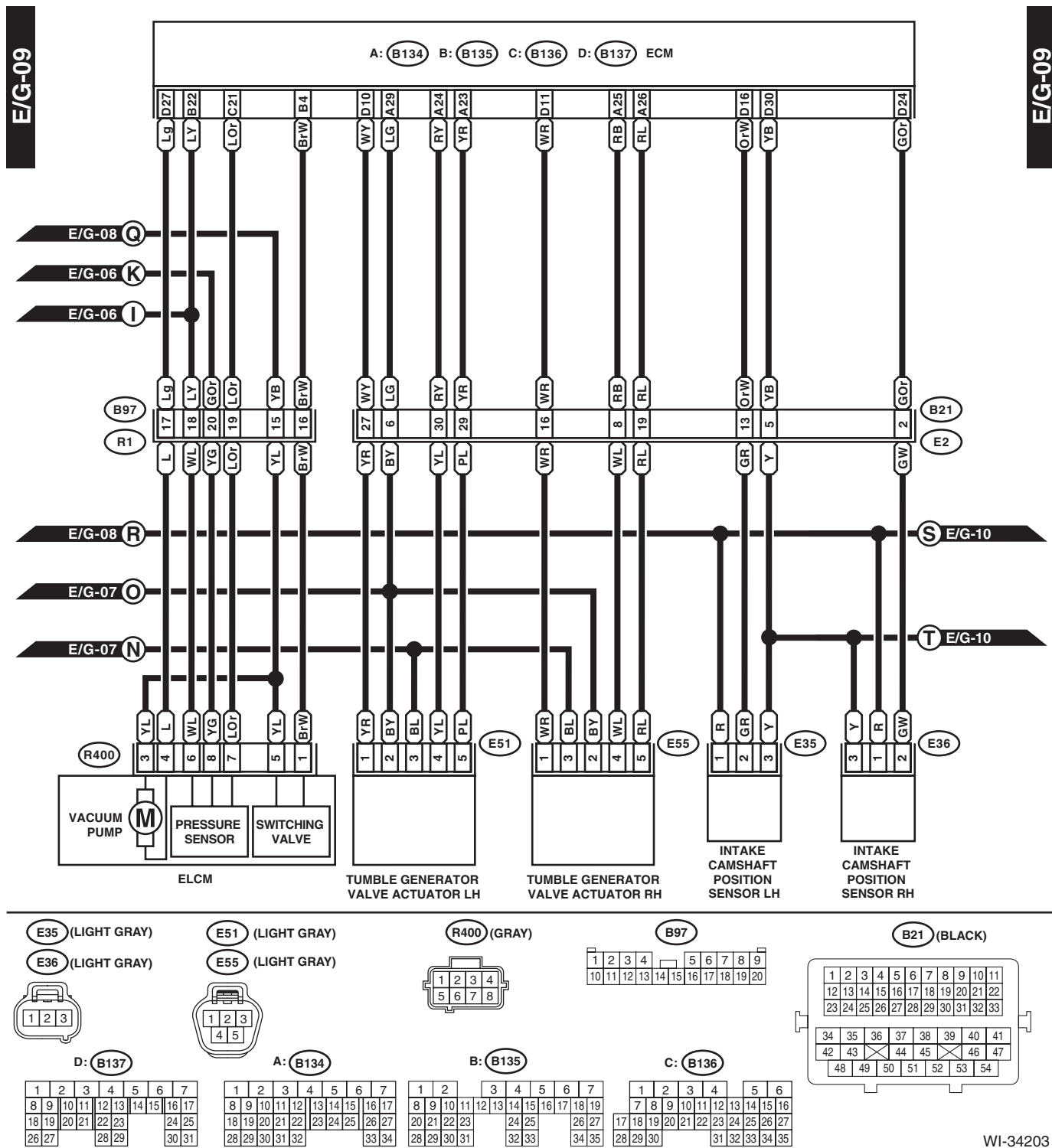
A: (B134)

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	

WI-34202

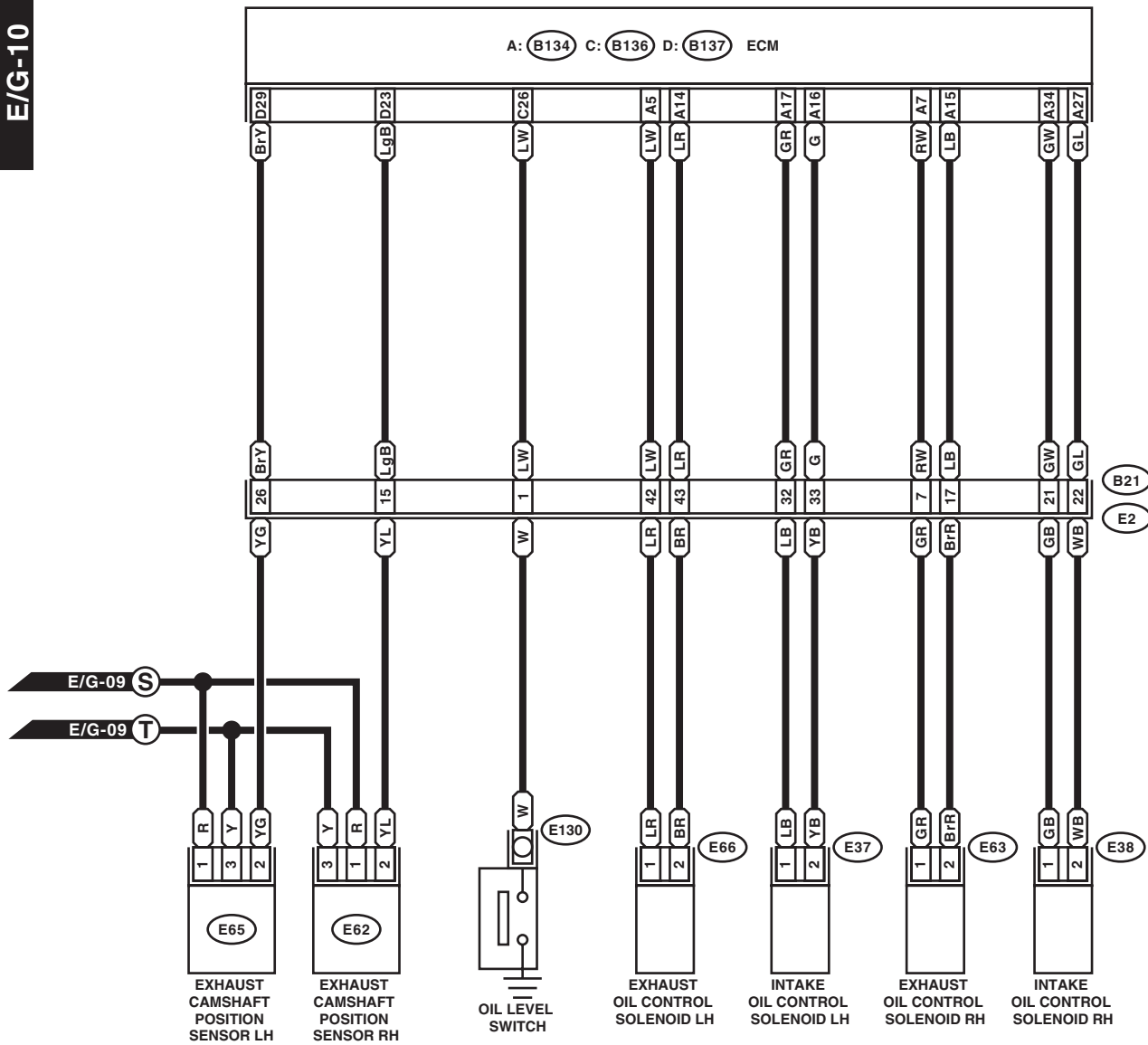
Engine Electrical System

WIRING SYSTEM



E/G-10

E/G-10



(BLACK) E37 (BLACK) E63 (BLACK)
(BLACK) E38 (BLACK) E66 (BLACK)



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	

E62 (LIGHT GRAY) E65 (LIGHT GRAY)



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	32	33	34	35

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

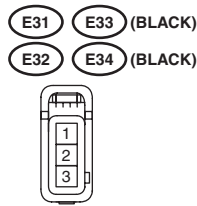
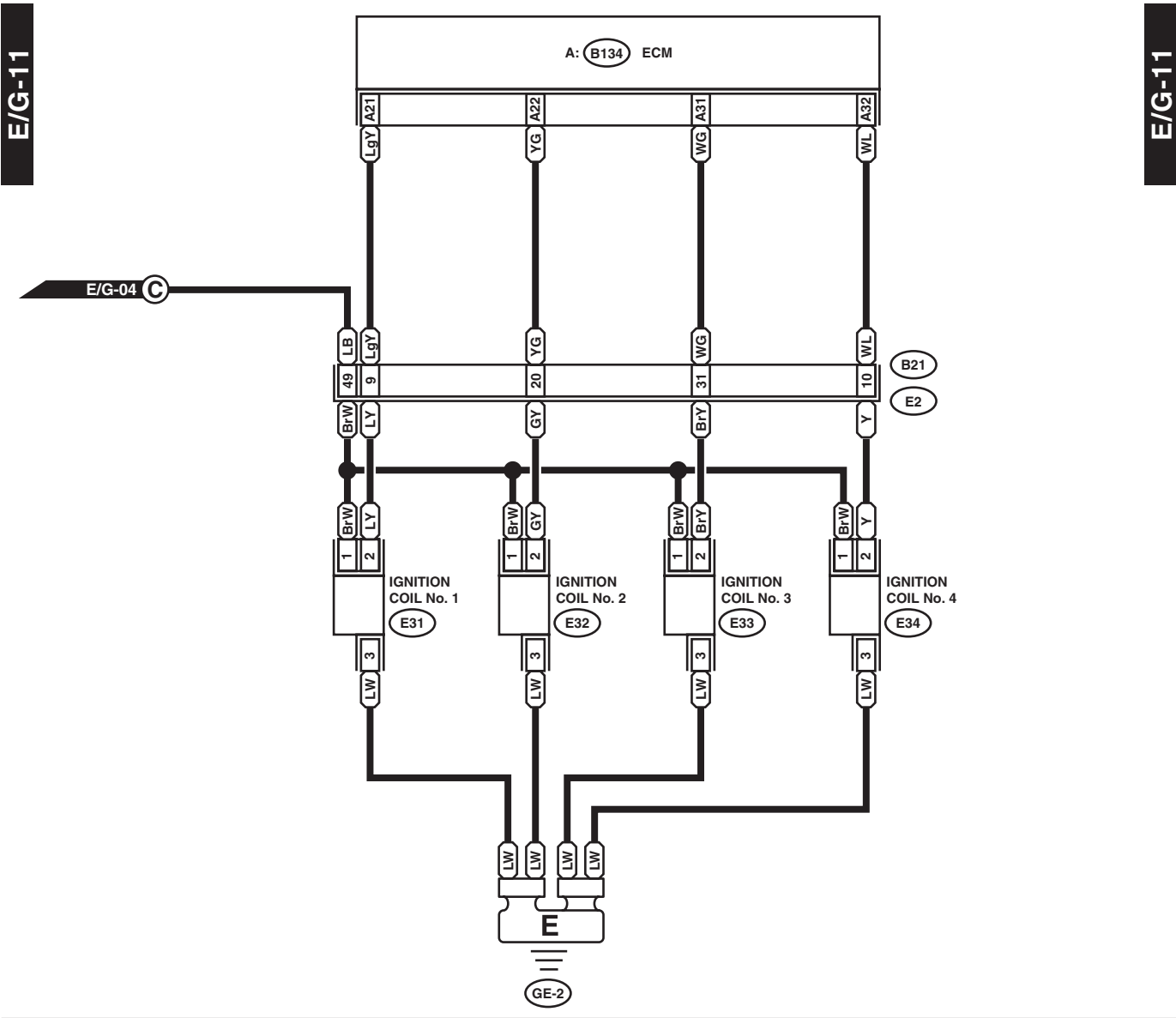
B21 (BLACK)

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	55

WI-34204

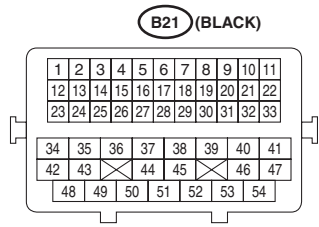
Engine Electrical System

WIRING SYSTEM

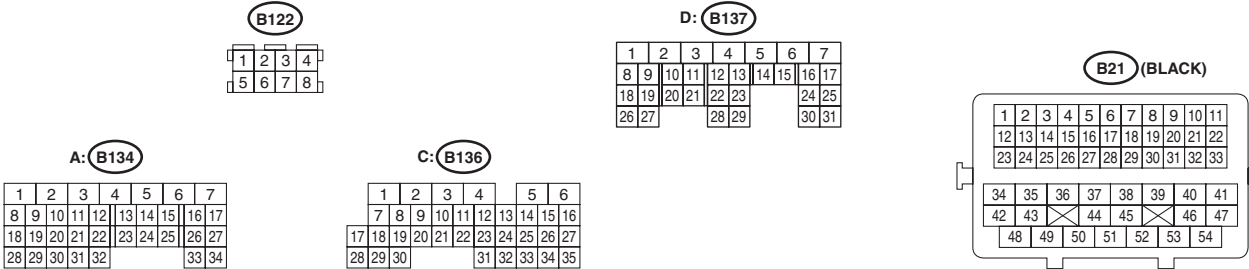
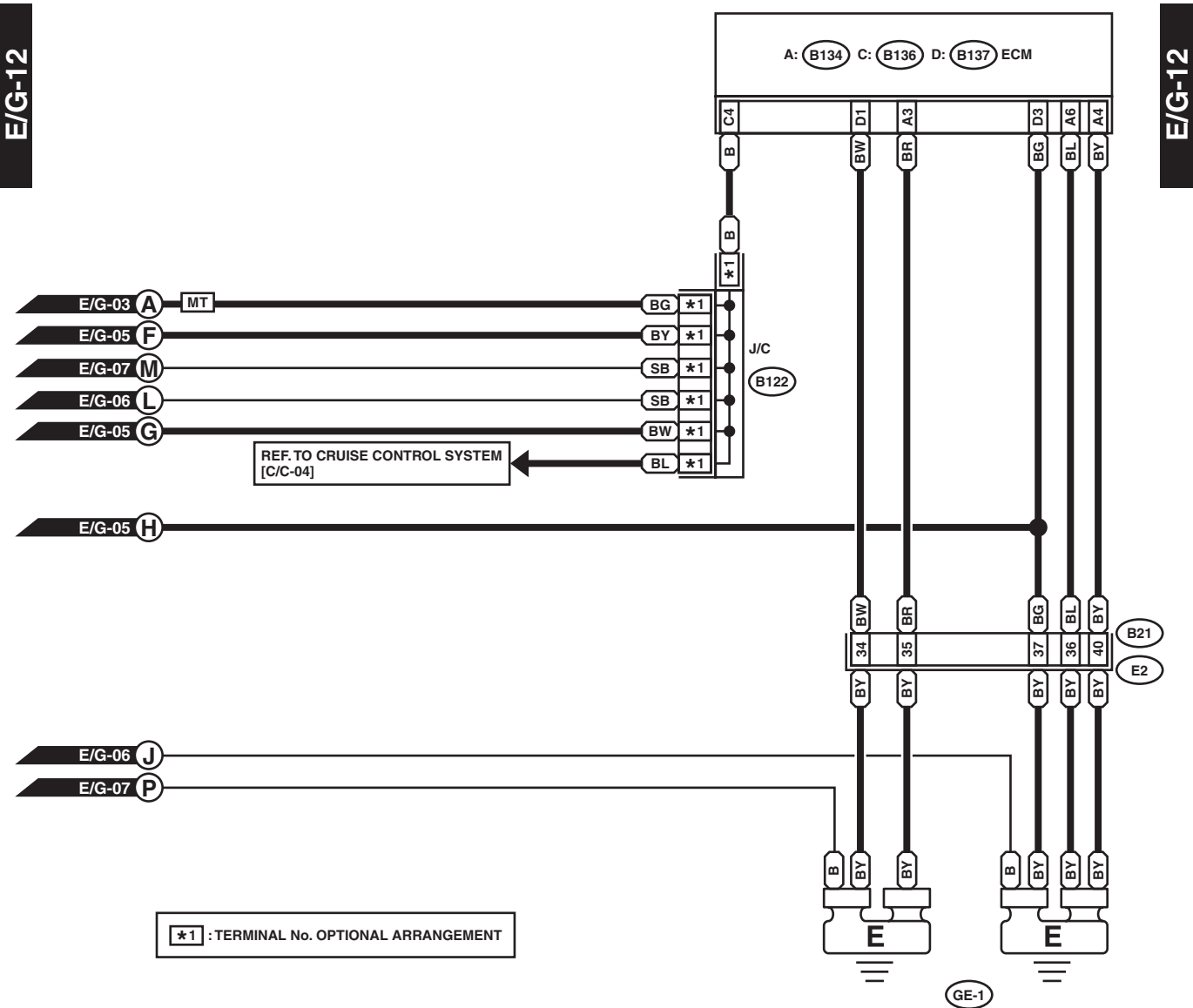


A: (B134)

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	



WI-34205



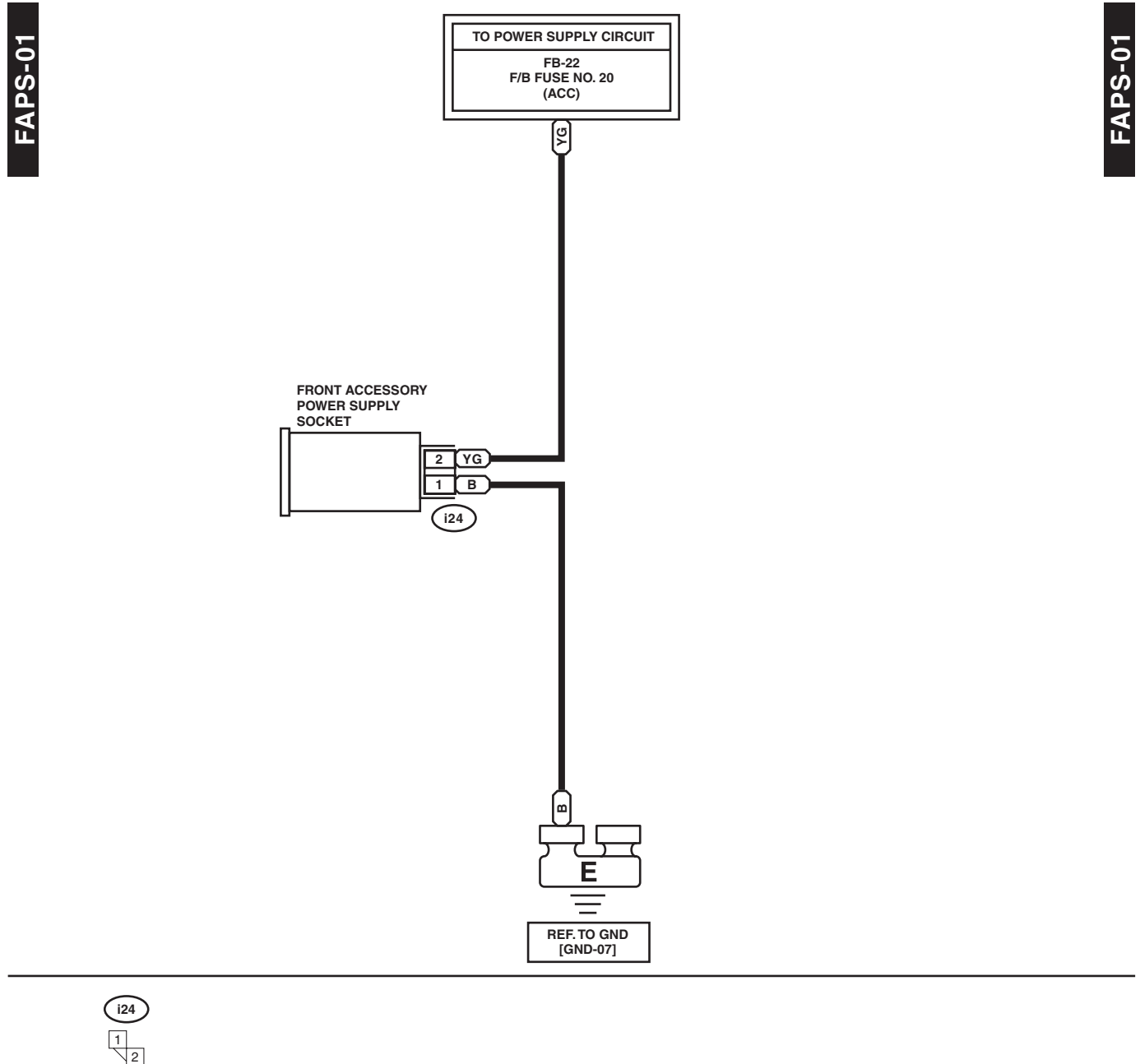
WI-34206

Front Accessory Power Supply Socket System

WIRING SYSTEM

18.Front Accessory Power Supply Socket System

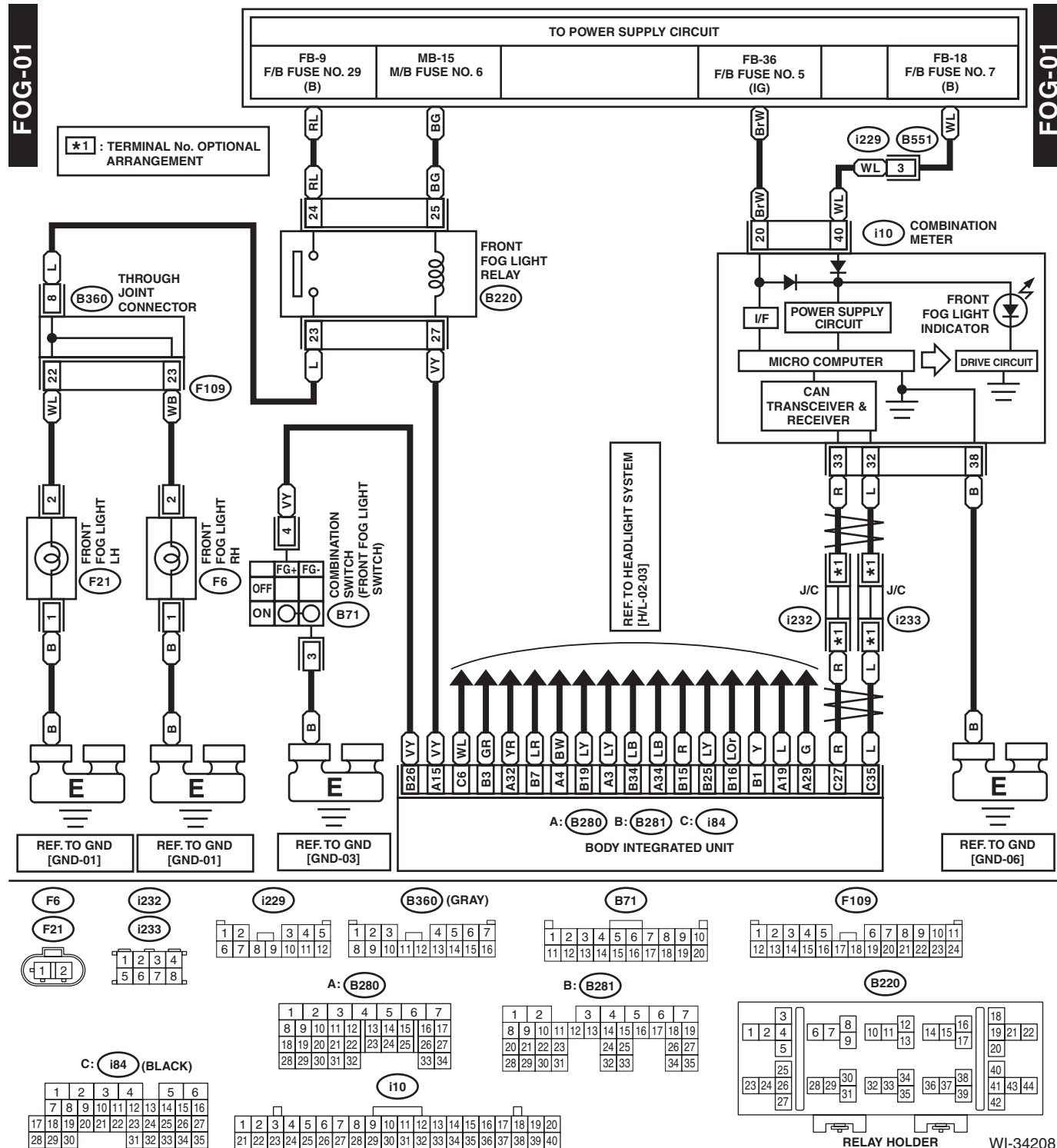
A: WIRING DIAGRAM



WI-34207

19.Front Fog Light System

A: WIRING DIAGRAM

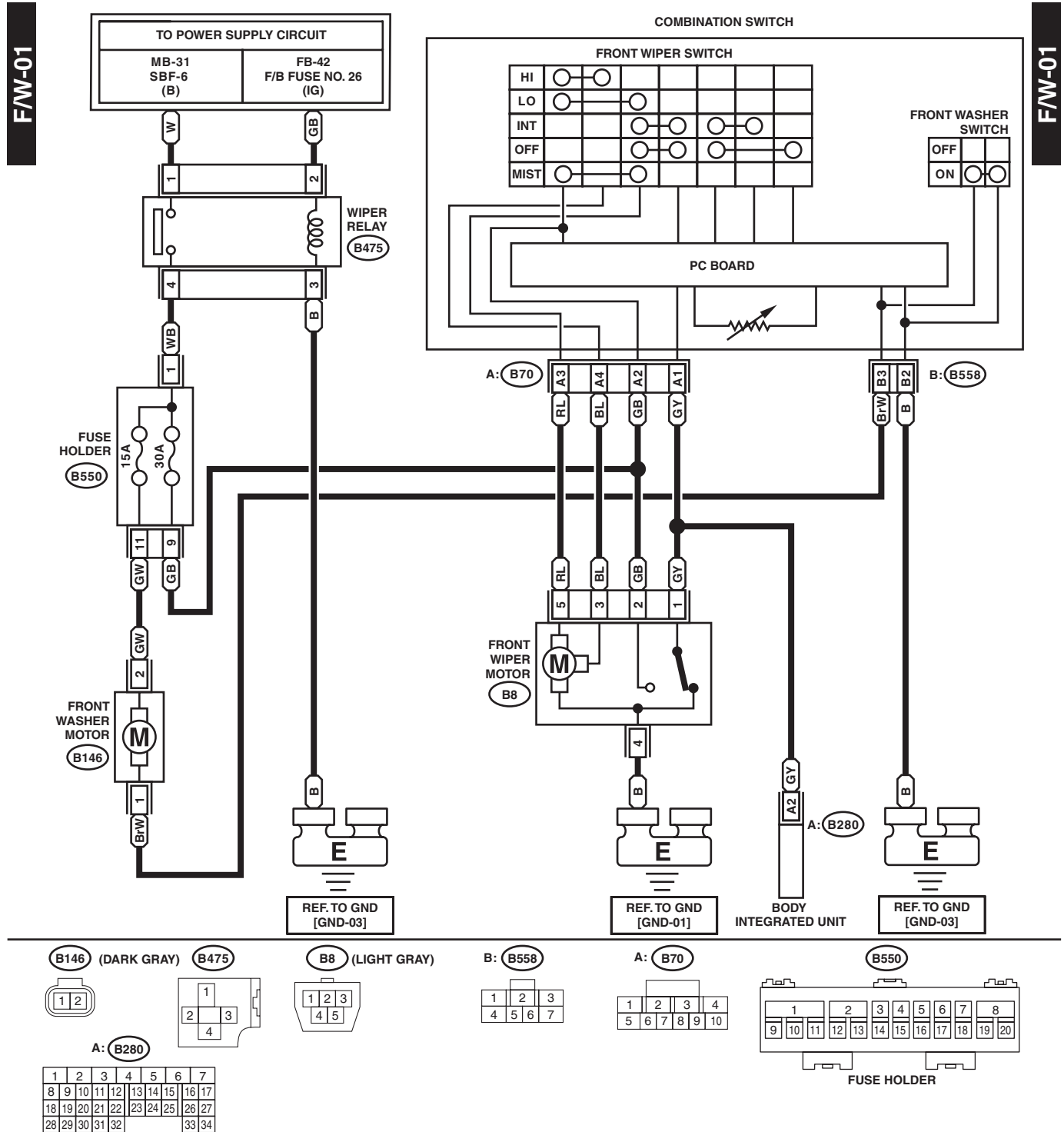


Front Wiper and Washer System

WIRING SYSTEM

20.Front Wiper and Washer System

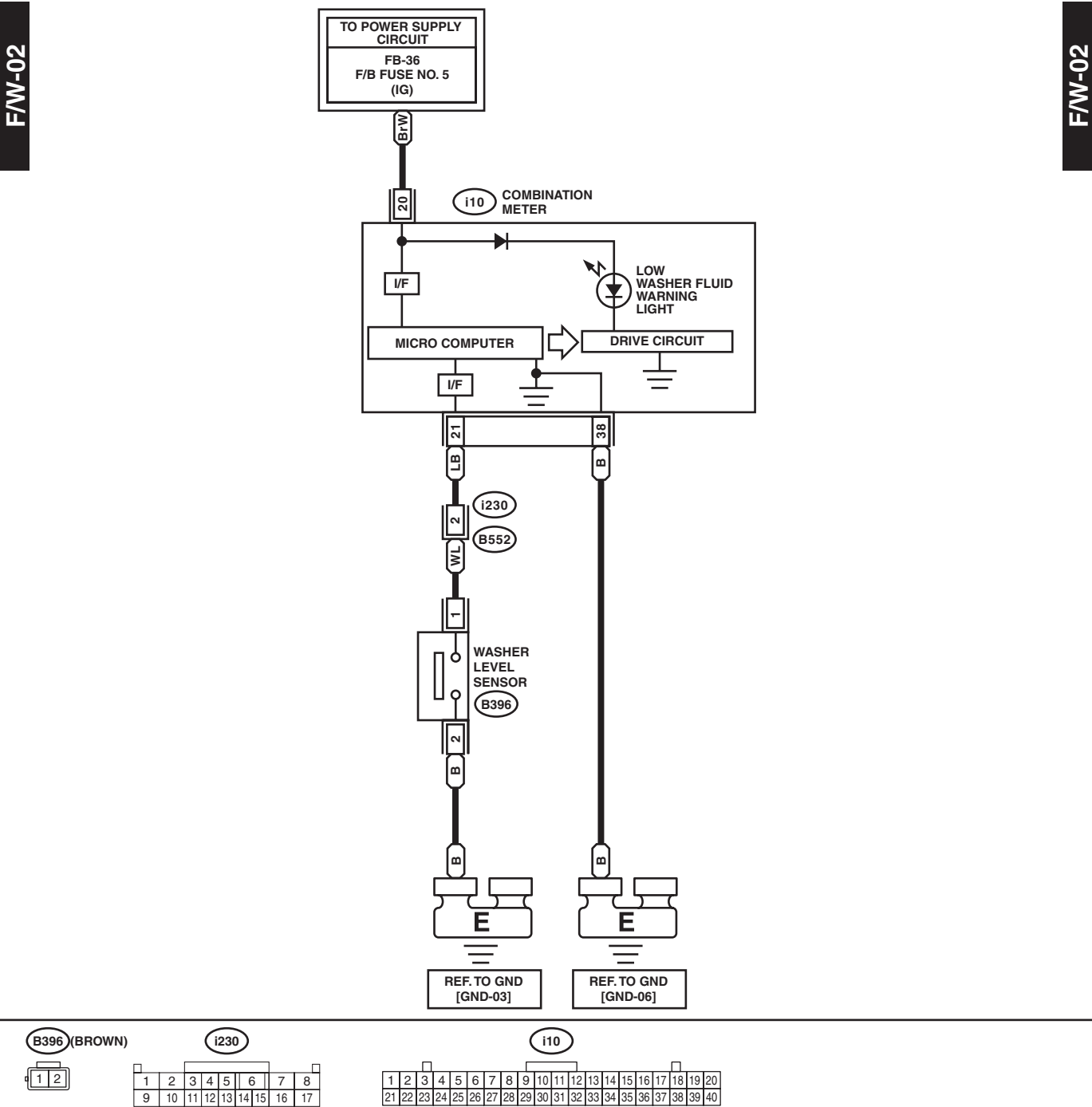
A: WIRING DIAGRAM



WI-34209

Front Wiper and Washer System

WIRING SYSTEM



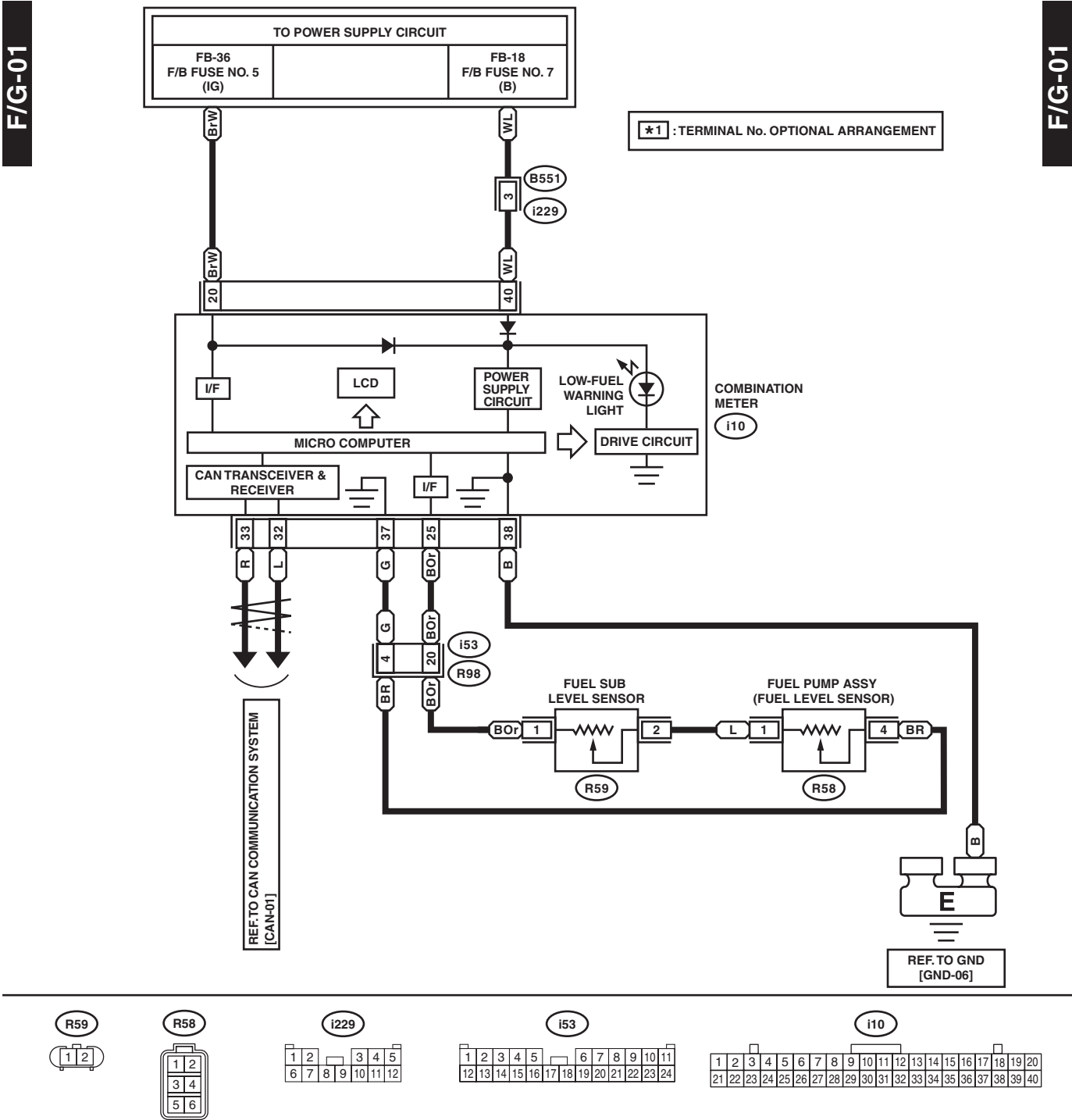
WI-34210

Fuel Gauge System

WIRING SYSTEM

21.Fuel Gauge System

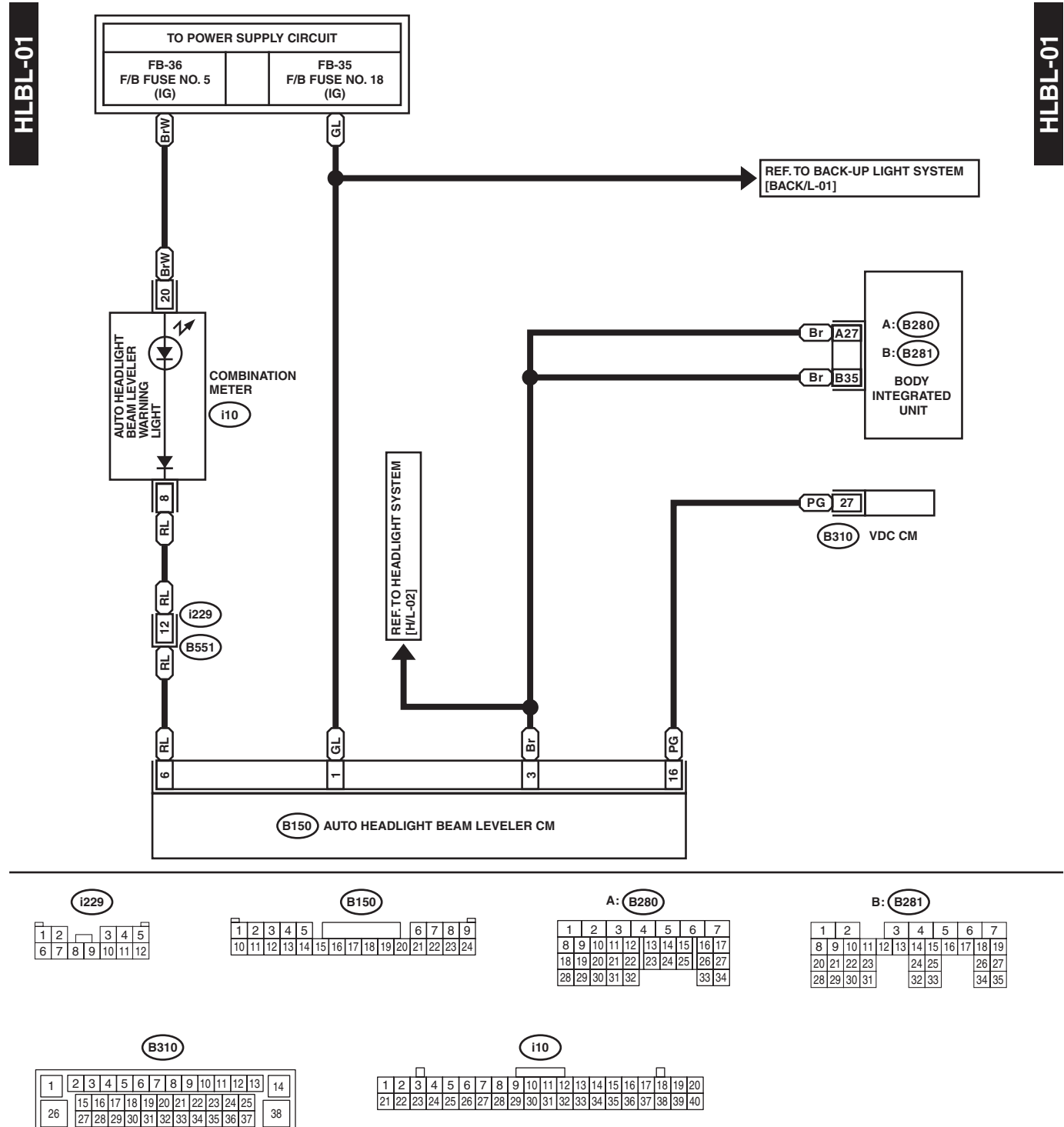
A: WIRING DIAGRAM



WI-34211

22.Headlight Beam Leveler System

A: WIRING DIAGRAM



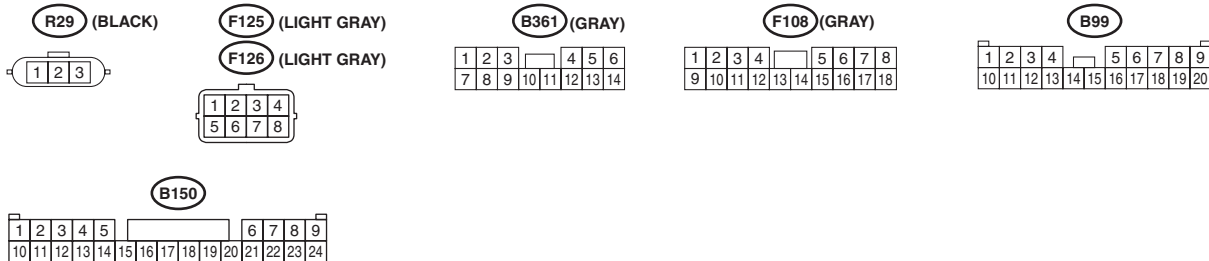
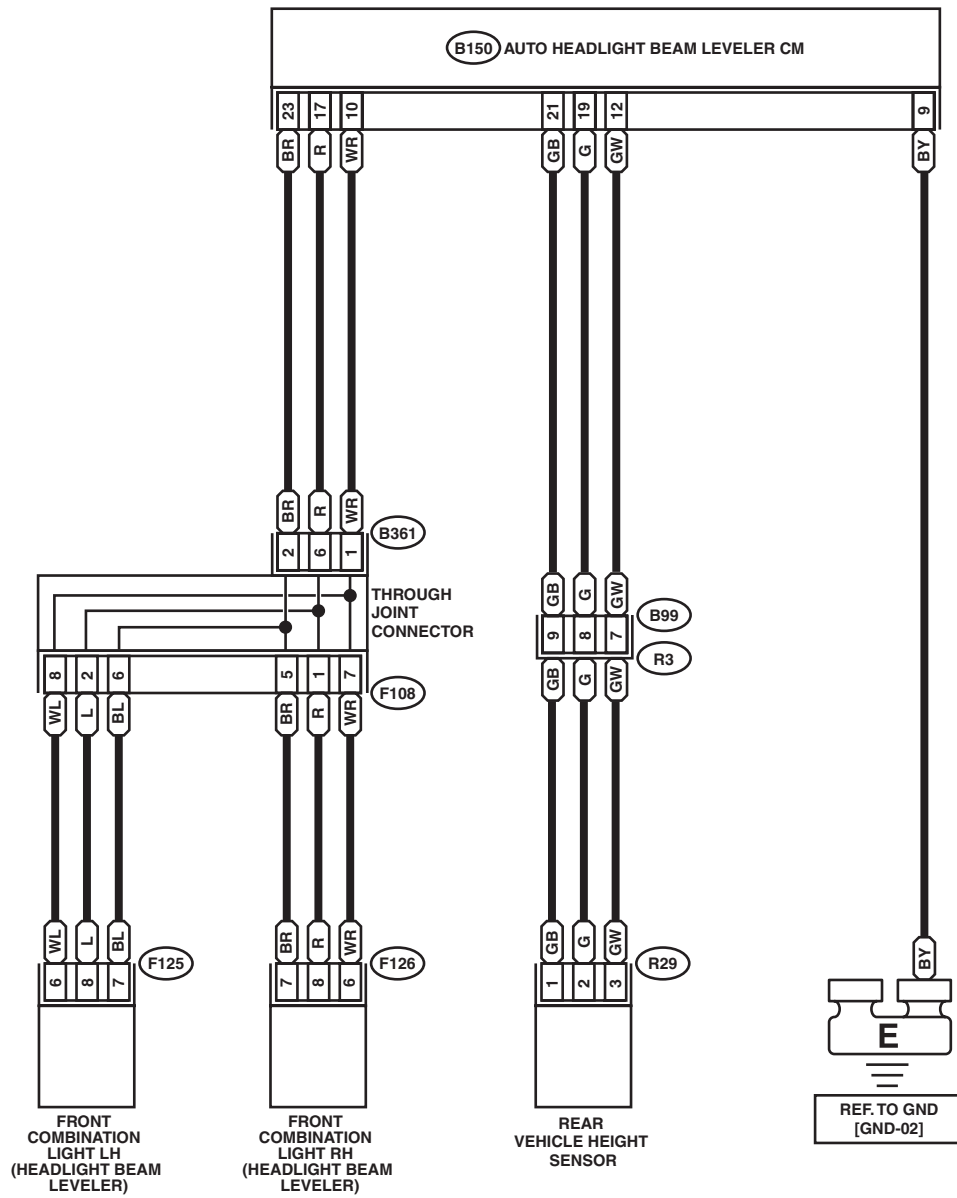
WI-34212

Headlight Beam Leveler System

WIRING SYSTEM

HLBL-02

HLBL-02

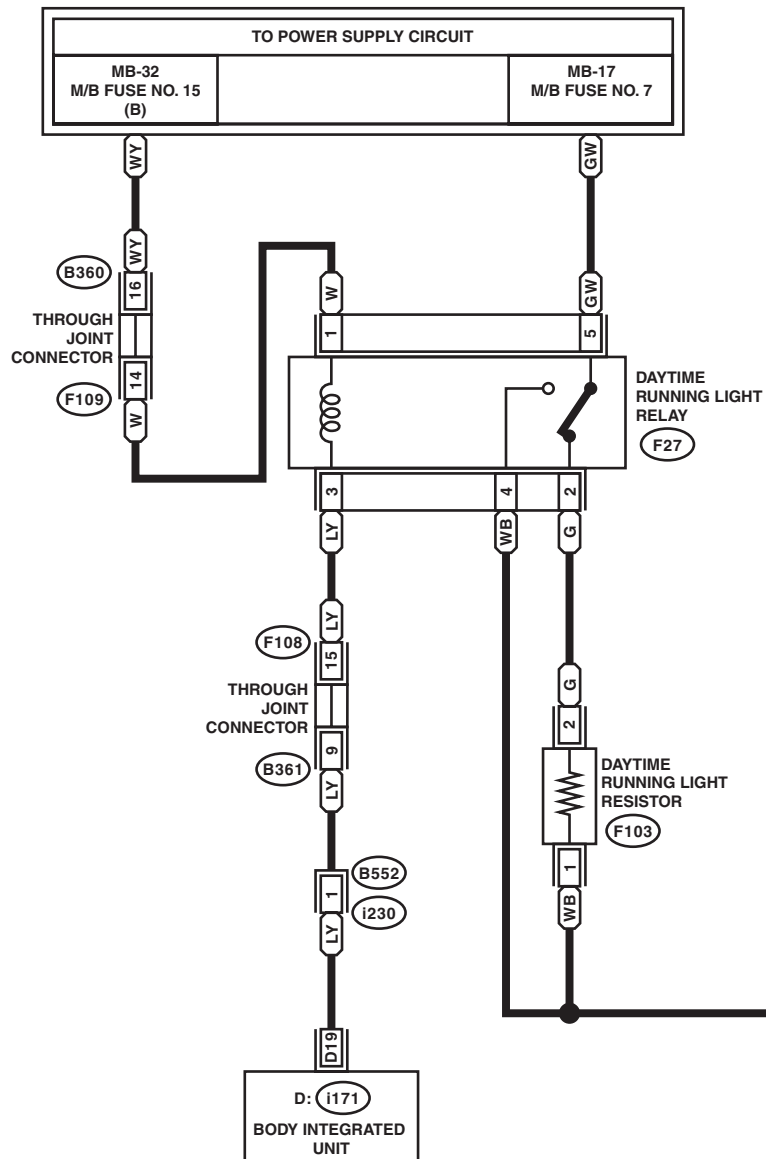


WI-34213

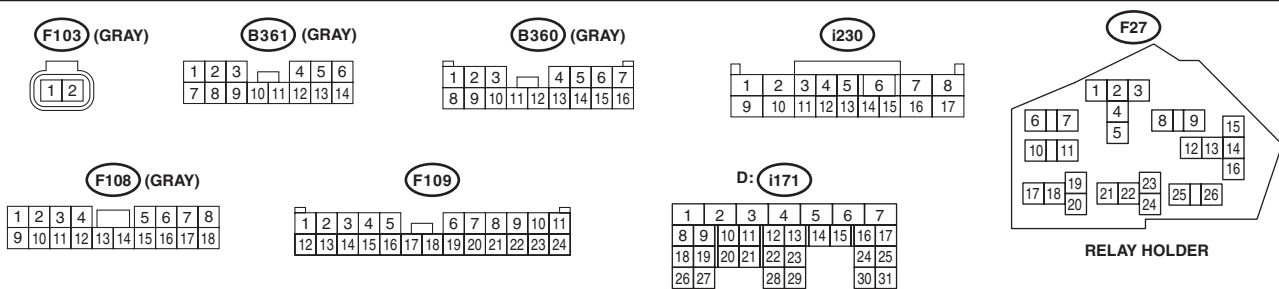
A: WIRING DIAGRAM

H/L-01

H/L-01



A H/L-02



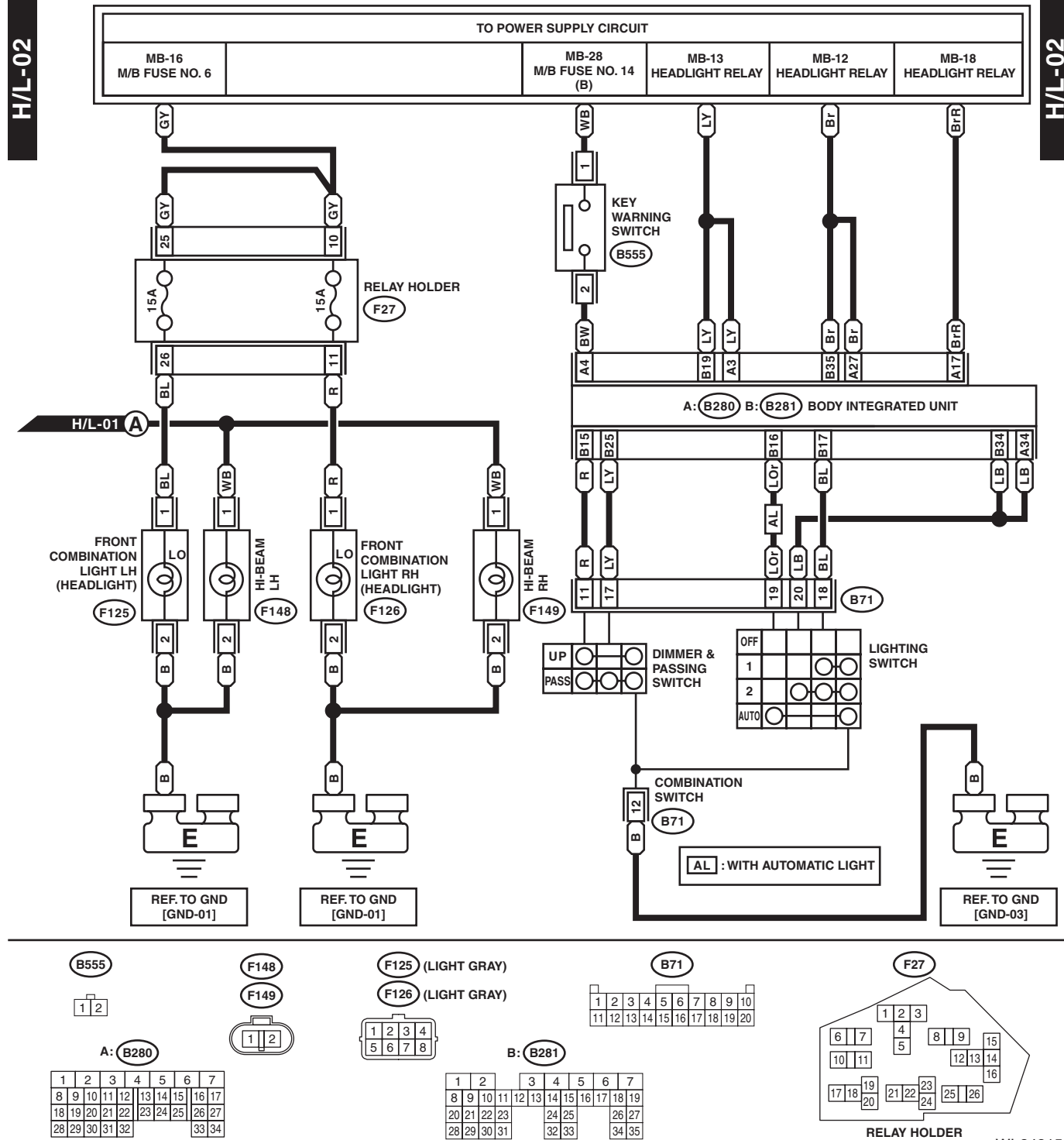
WI-34214

WIRING SYSTEM

WIRING SYSTEM

H/L-02

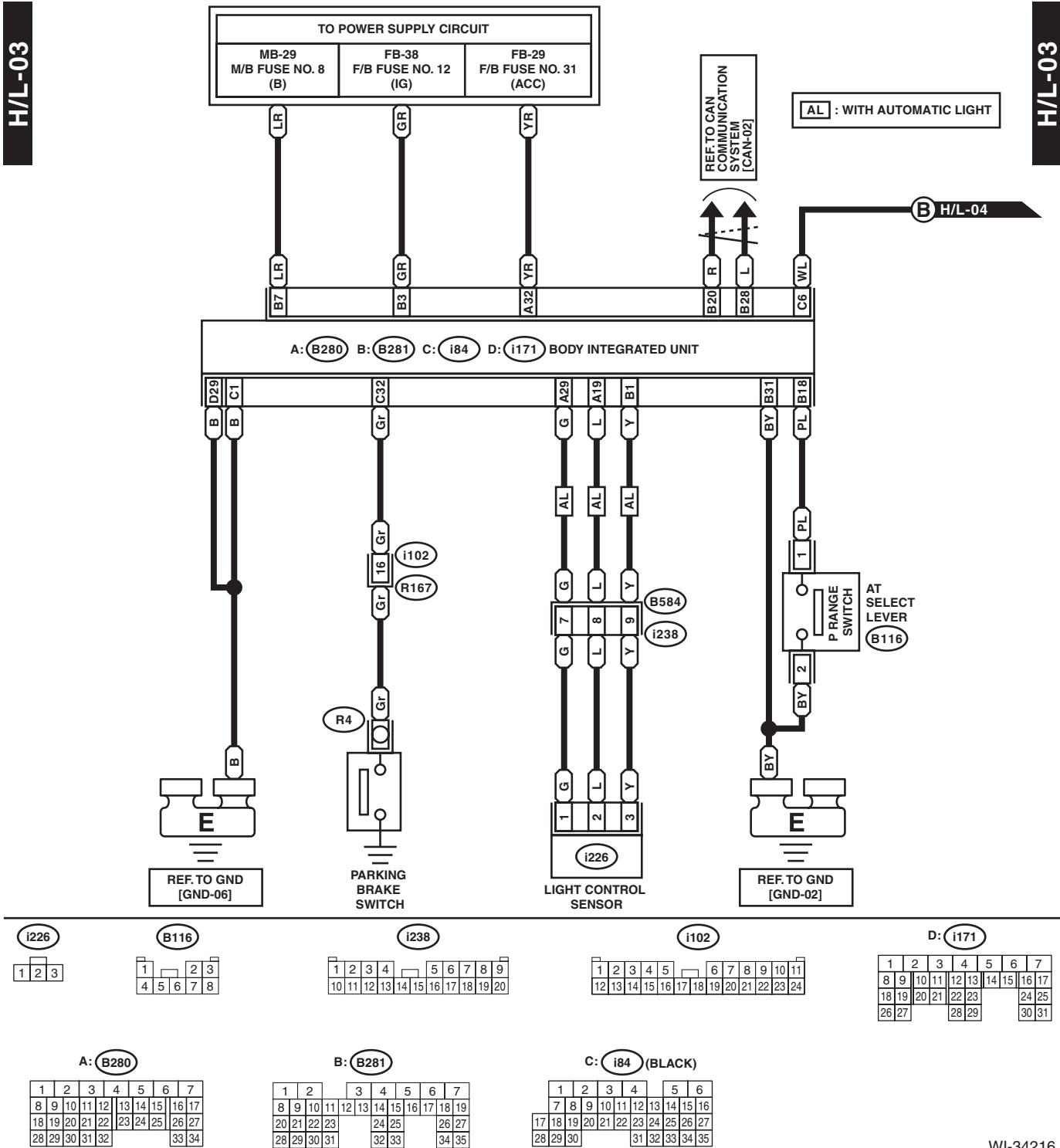
H/L-02



WI-34215

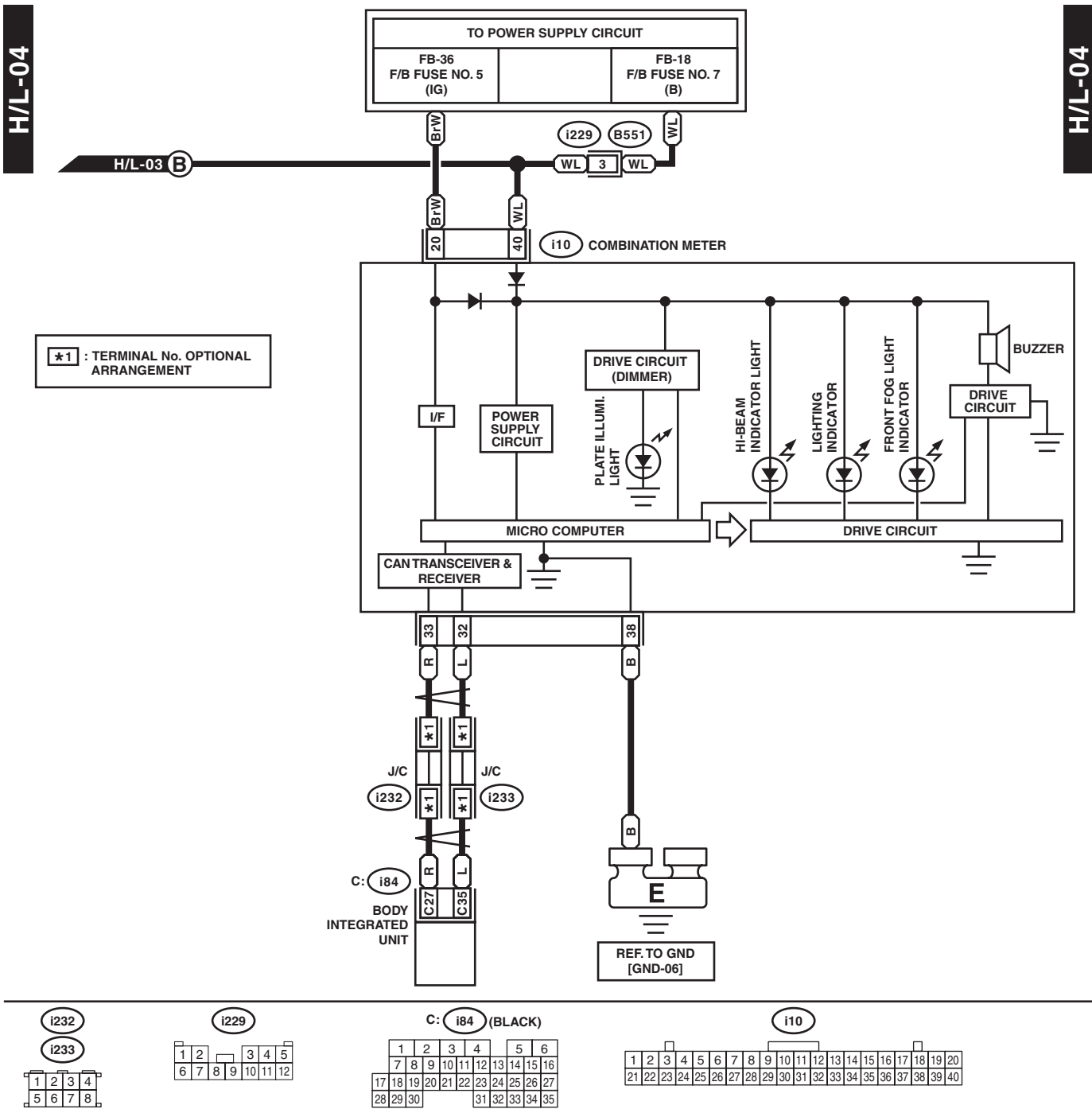
Headlight System

WIRING SYSTEM



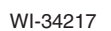
Headlight System

WIRING SYSTEM



WI-35319

A: WIRING DIAGRAM

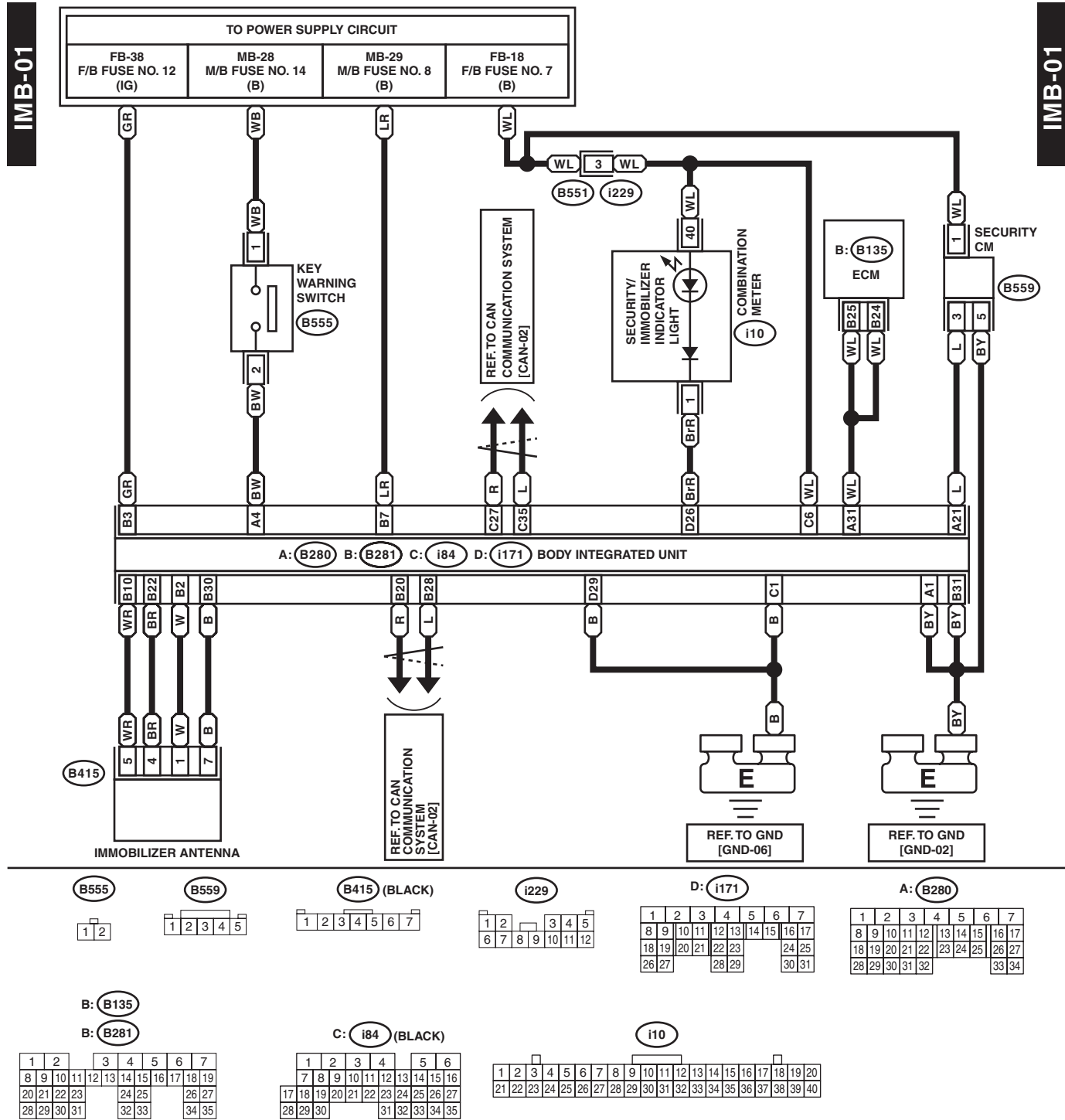


Immobilizer System

WIRING SYSTEM

25. Immobilizer System

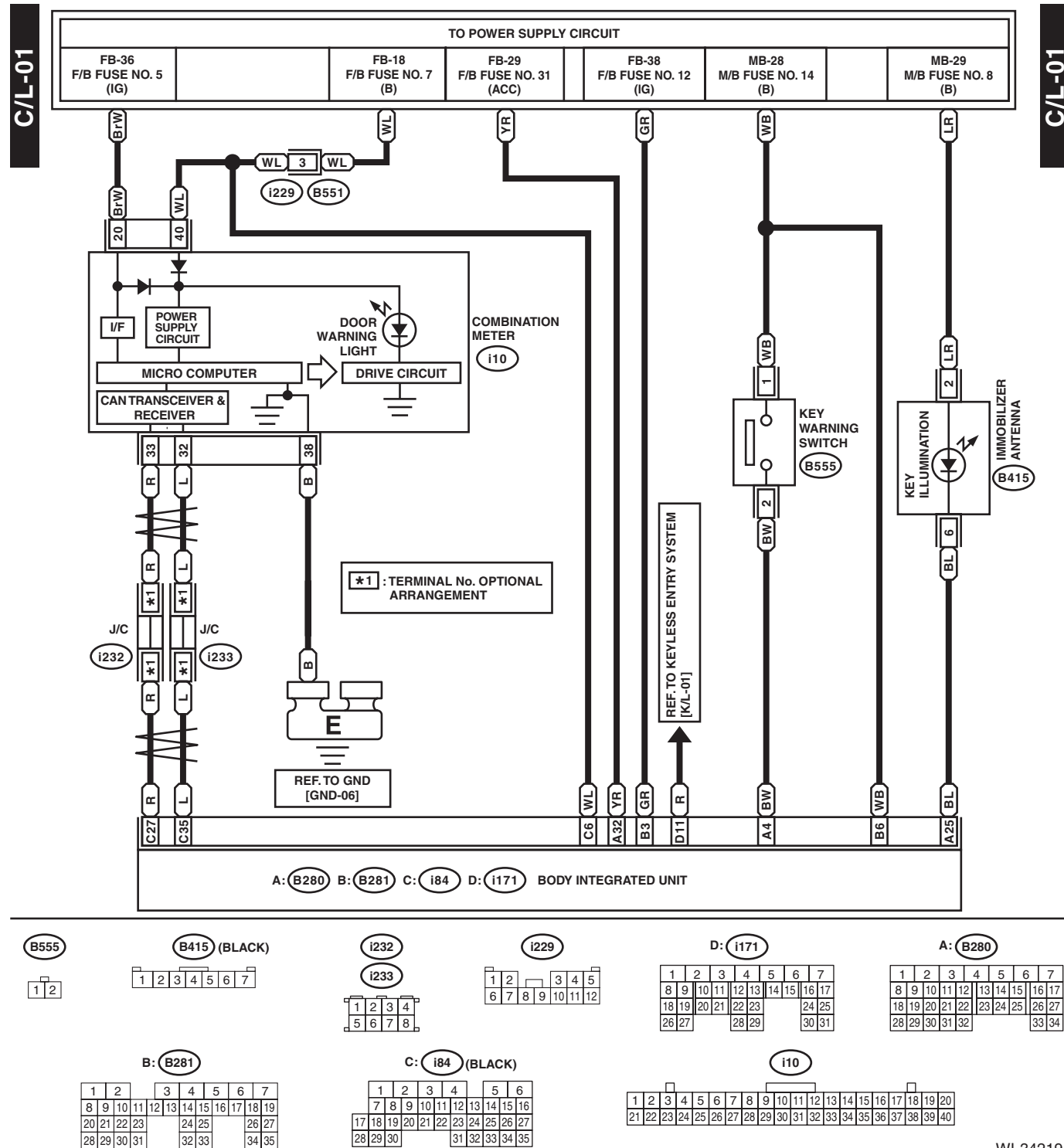
A: WIRING DIAGRAM

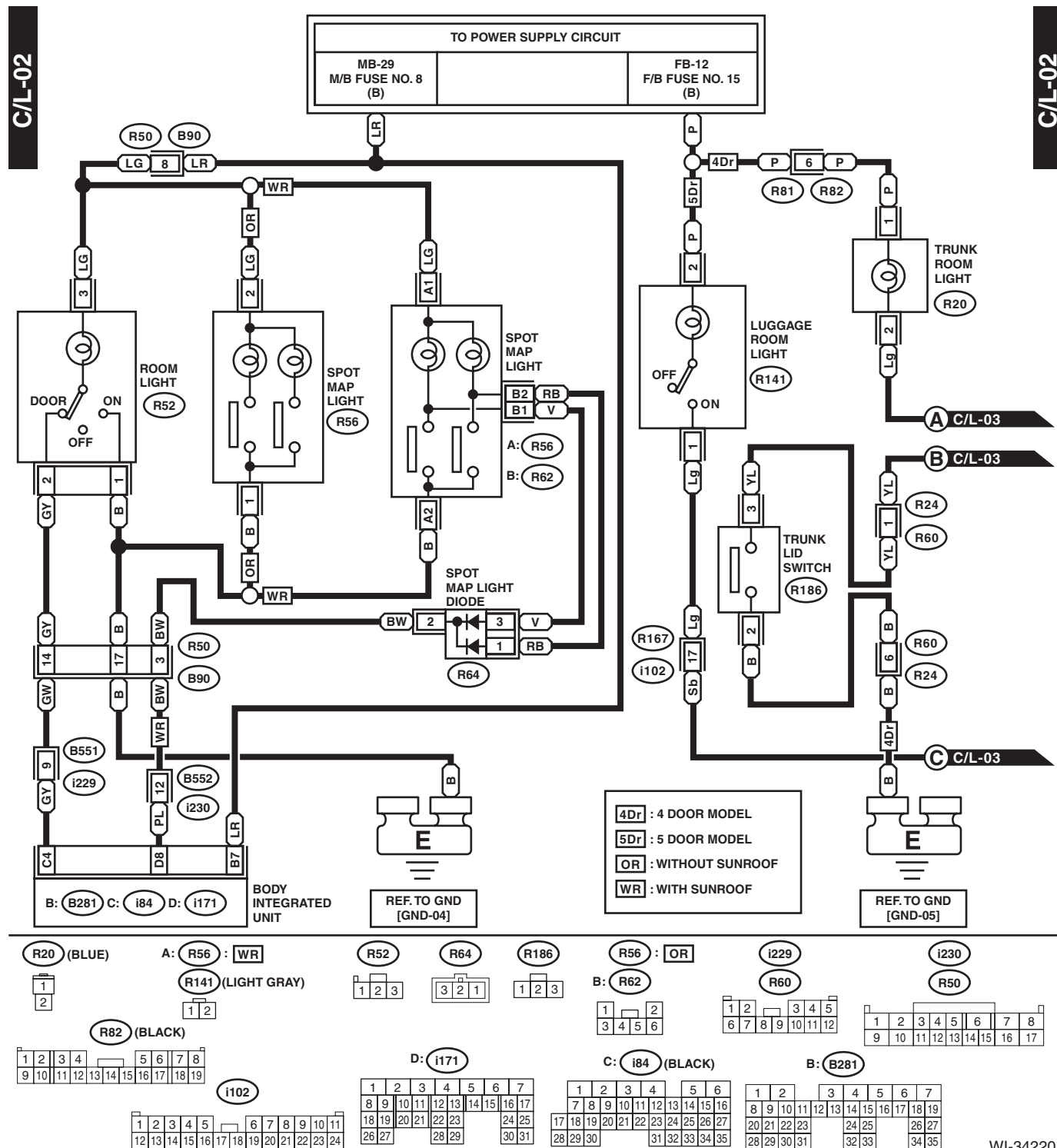


WI-34218

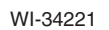
26. Interior Light System

A: WIRING DIAGRAM





WIRING SYSTEM

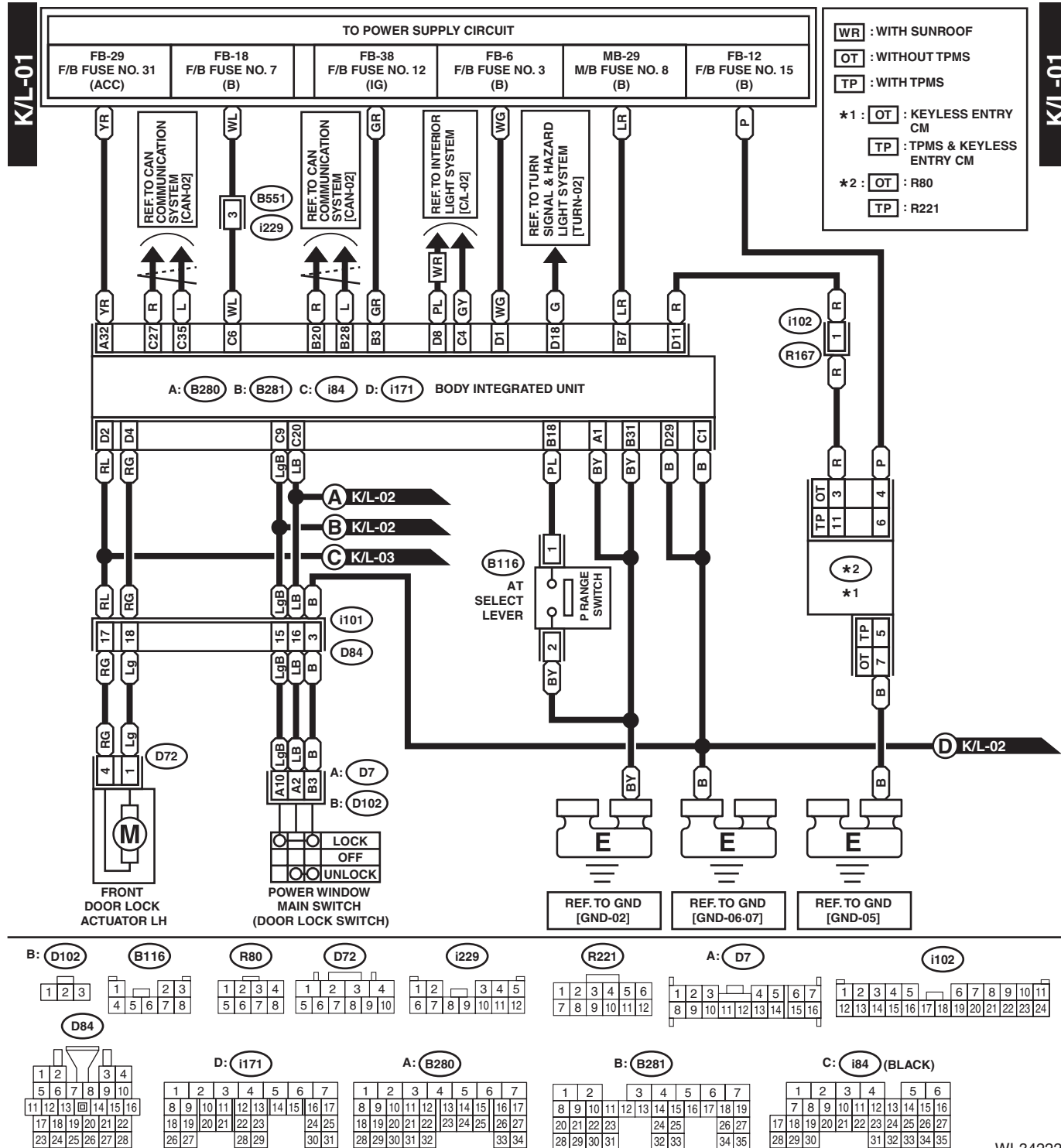


Keyless Entry System

WIRING SYSTEM

27.Keyless Entry System

A: WIRING DIAGRAM

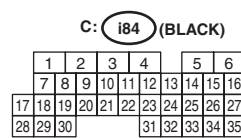
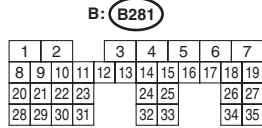
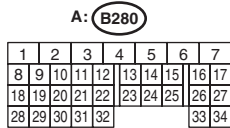
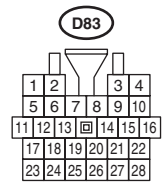
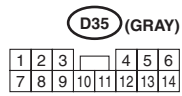
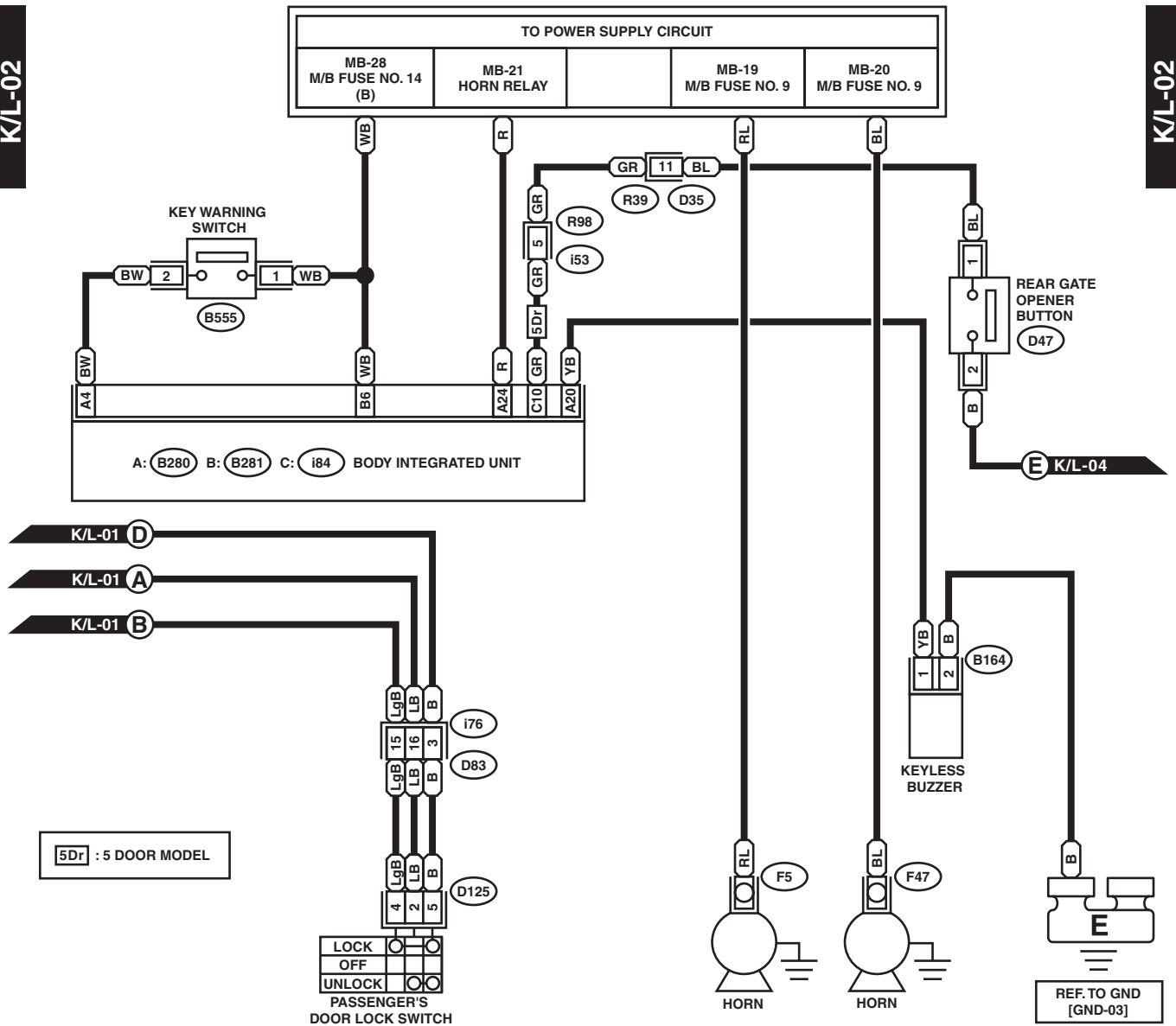


Keyless Entry System

WIRING SYSTEM

K/L-02

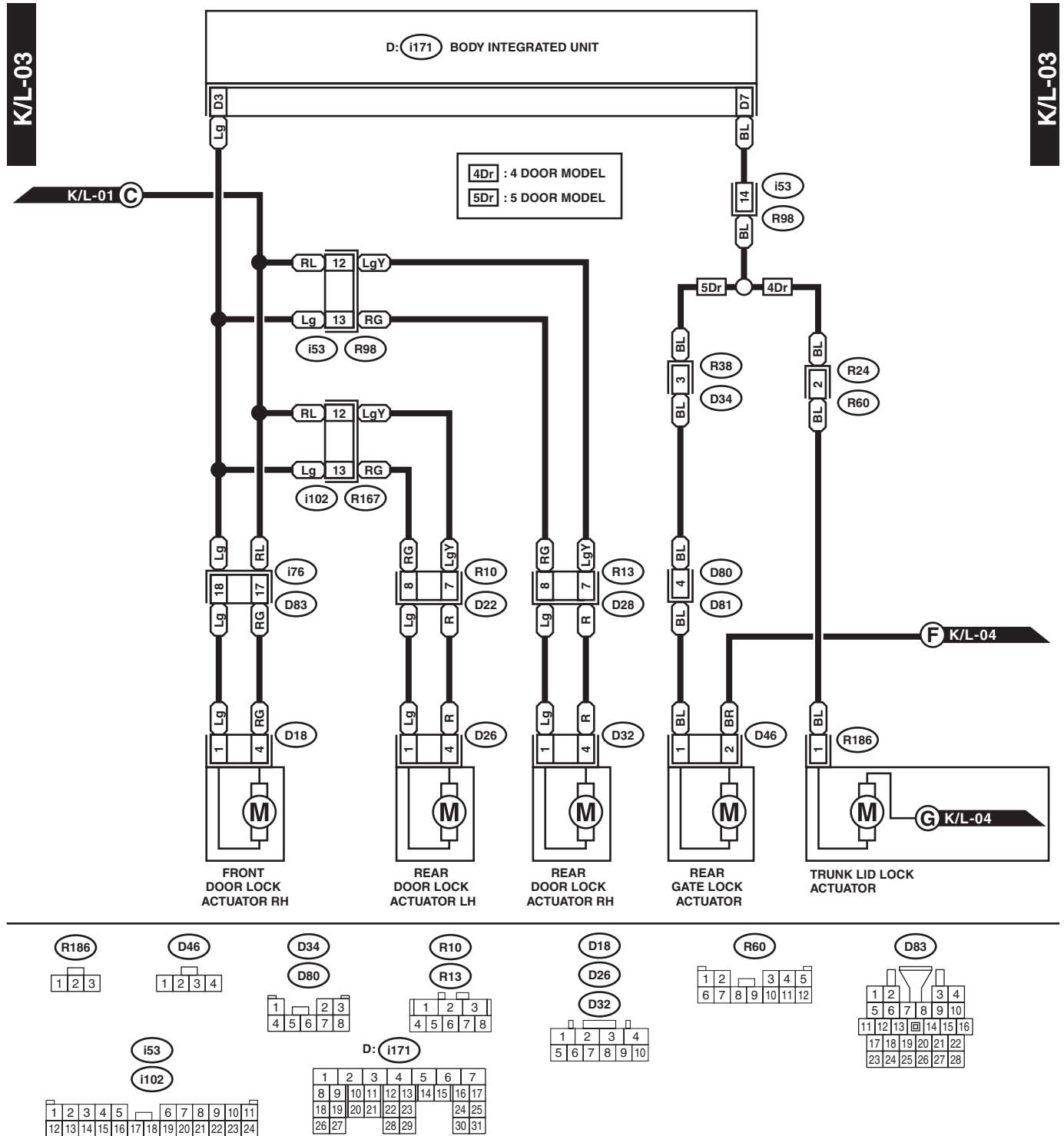
K/L-02



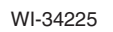
WI-34223

Keyless Entry System

WIRING SYSTEM



WIRING SYSTEM

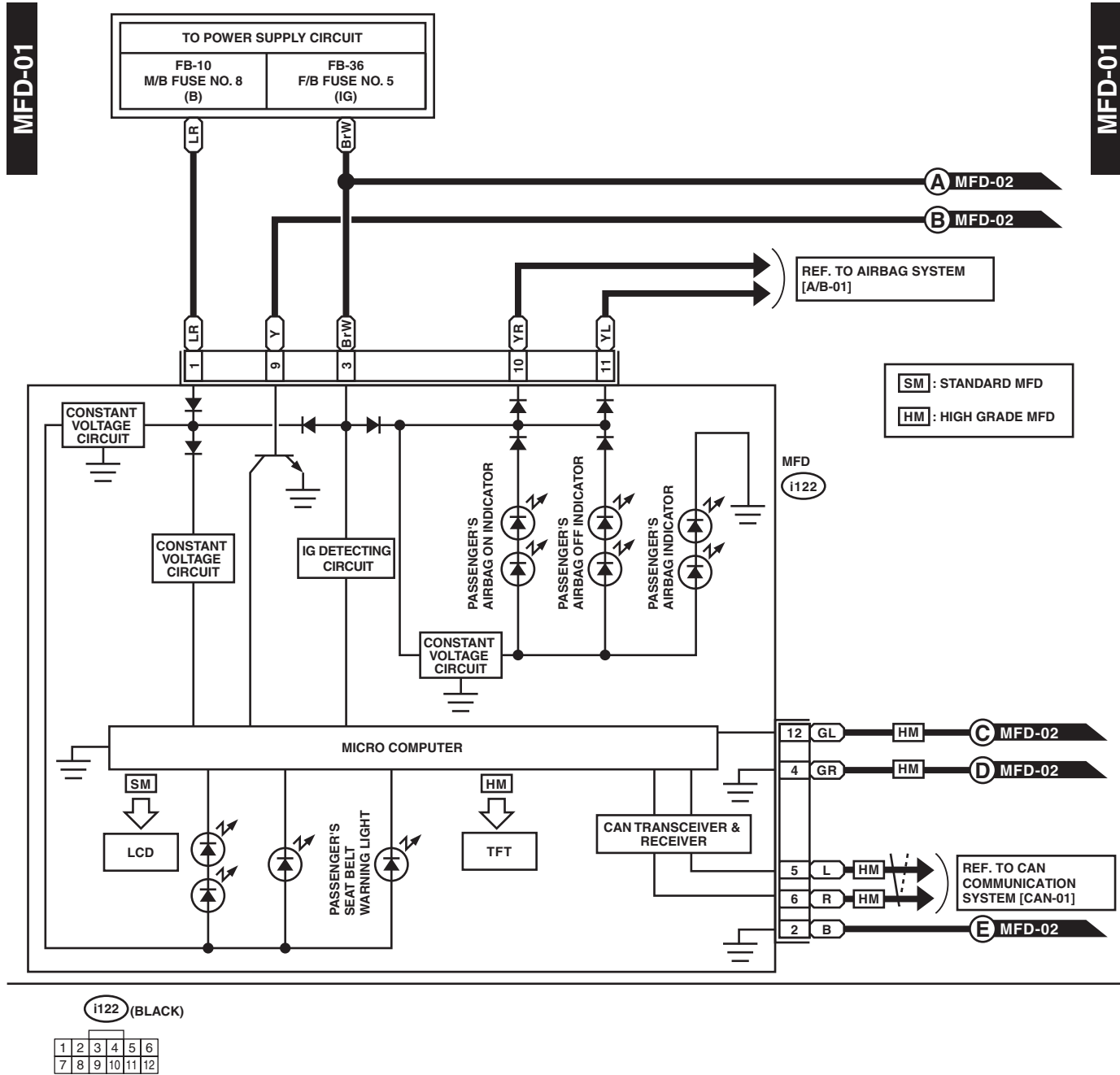


Multi-function Display (MFD) System

WIRING SYSTEM

28. Multi-function Display (MFD) System

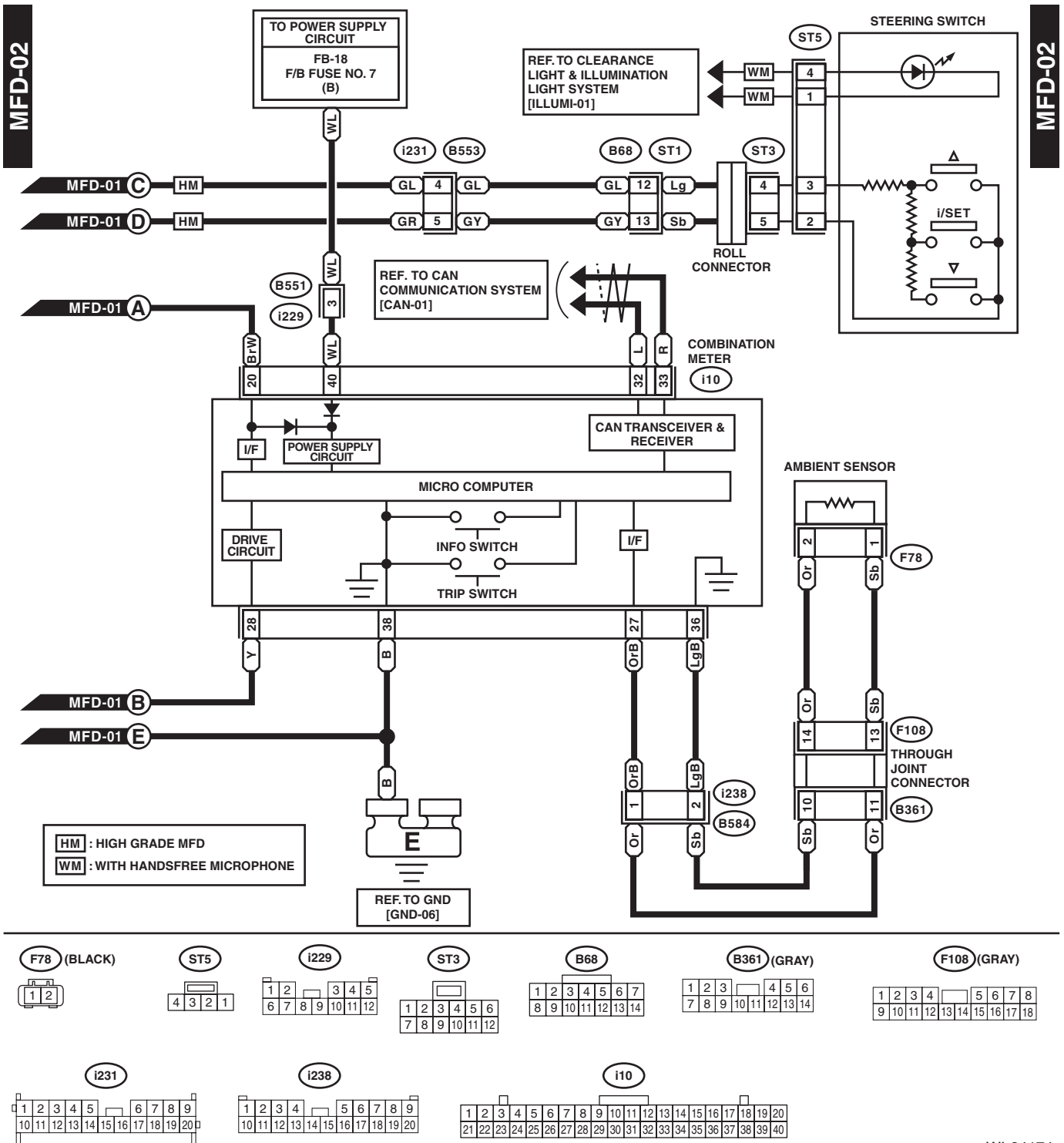
A: WIRING DIAGRAM



WI-34173

Multi-function Display (MFD) System

WIRING SYSTEM



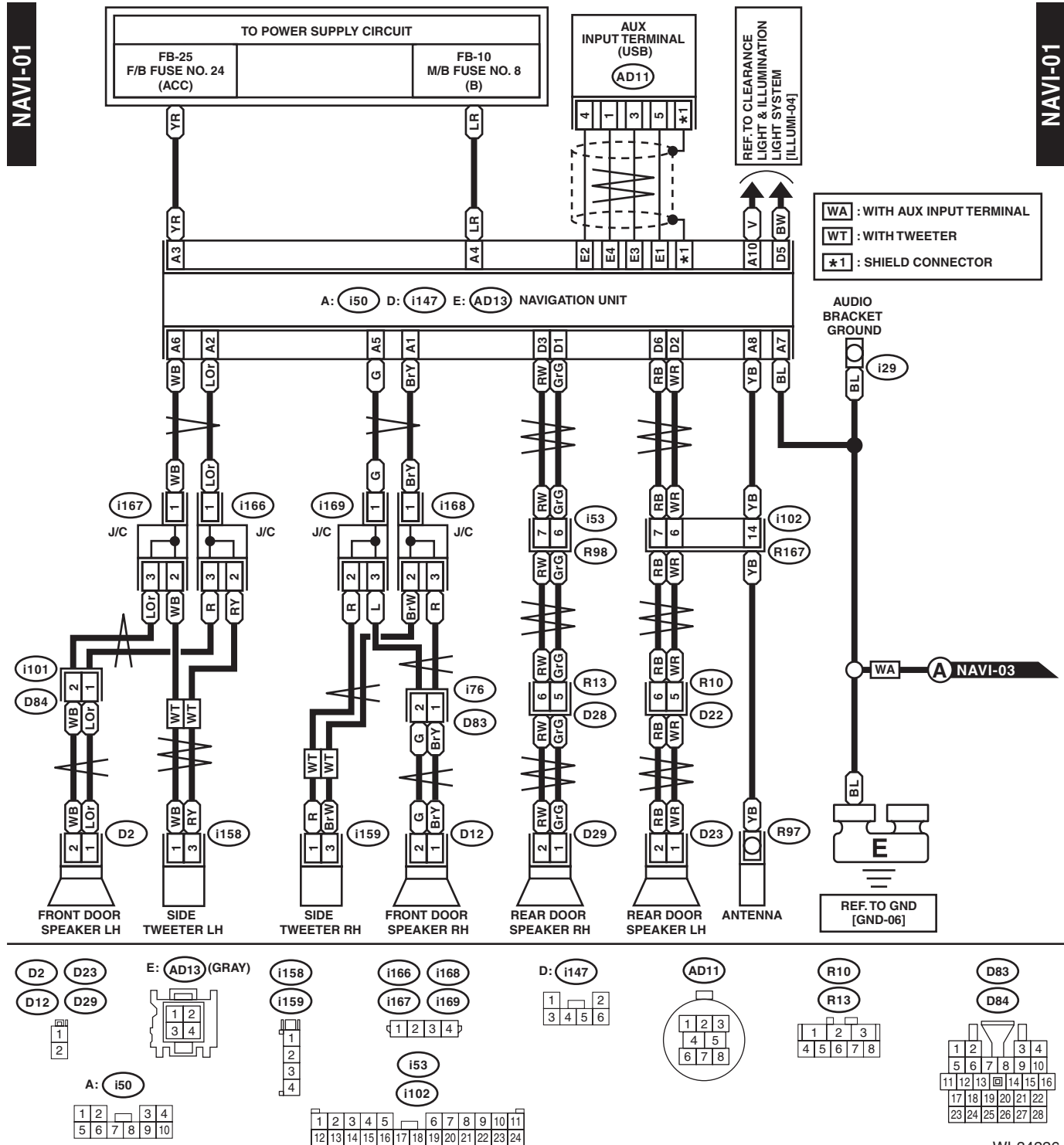
WI-34174

Navigation System

WIRING SYSTEM

29. Navigation System

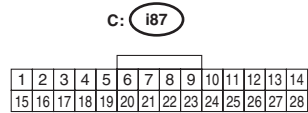
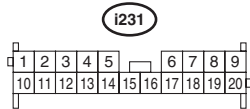
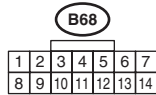
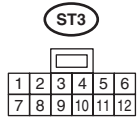
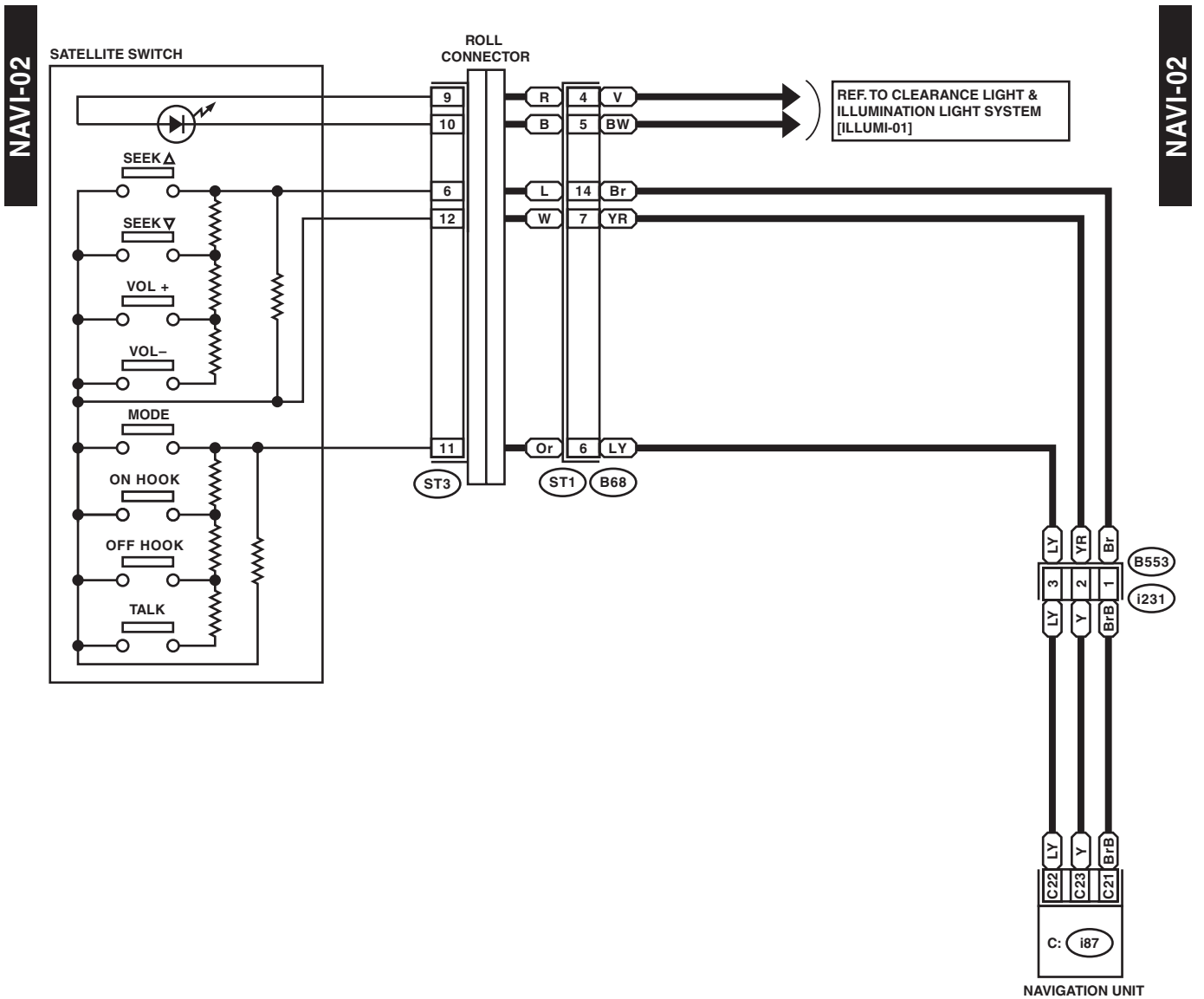
A: WIRING DIAGRAM



WI-34226

Navigation System

WIRING SYSTEM



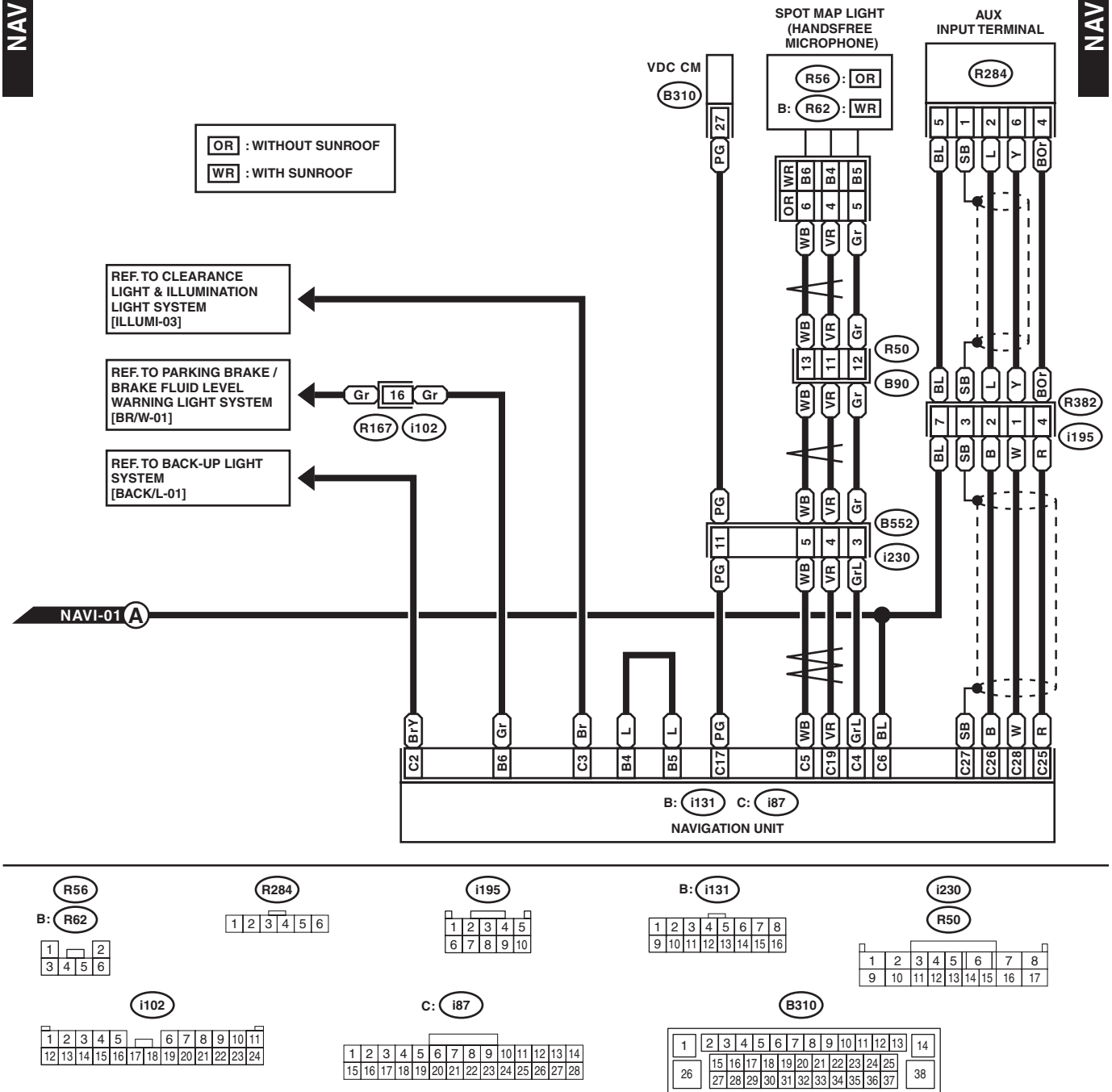
WI-34227

Navigation System

WIRING SYSTEM

NAVI-03

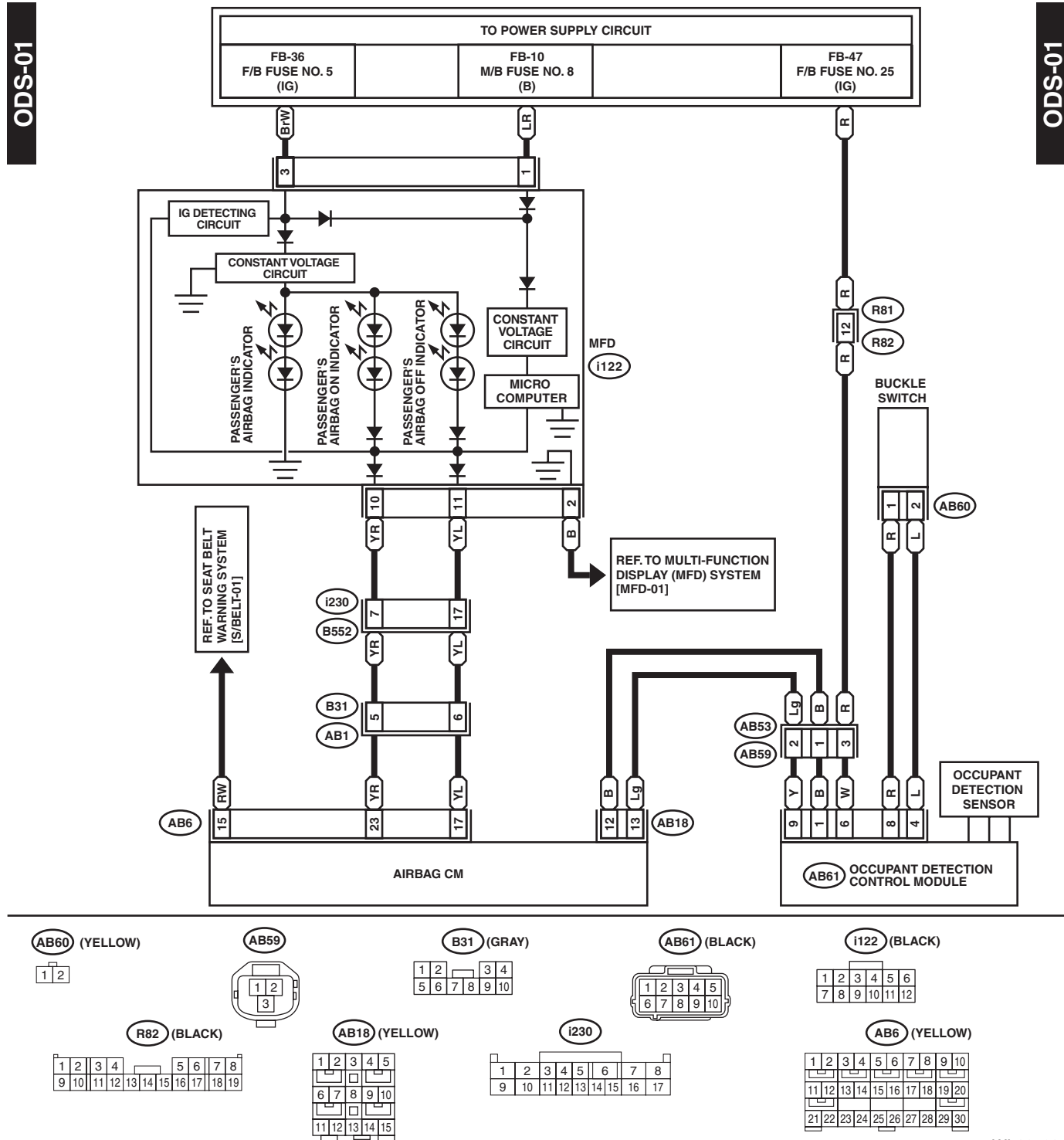
NAVI-03



WI-34228

30. Occupant Detection System

A: WIRING DIAGRAM



WI-36768

Oil Pressure Warning Light System

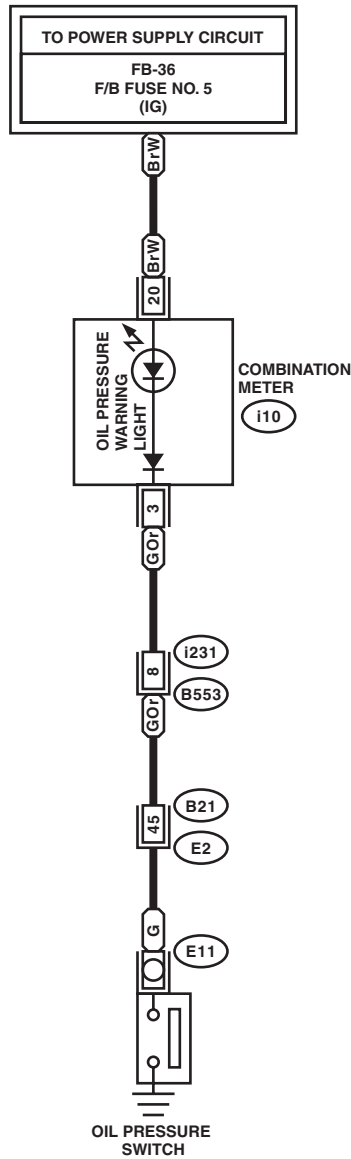
WIRING SYSTEM

31.Oil Pressure Warning Light System

A: WIRING DIAGRAM

OIL/P-01

OIL/P-01



i231																			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

i10																			
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

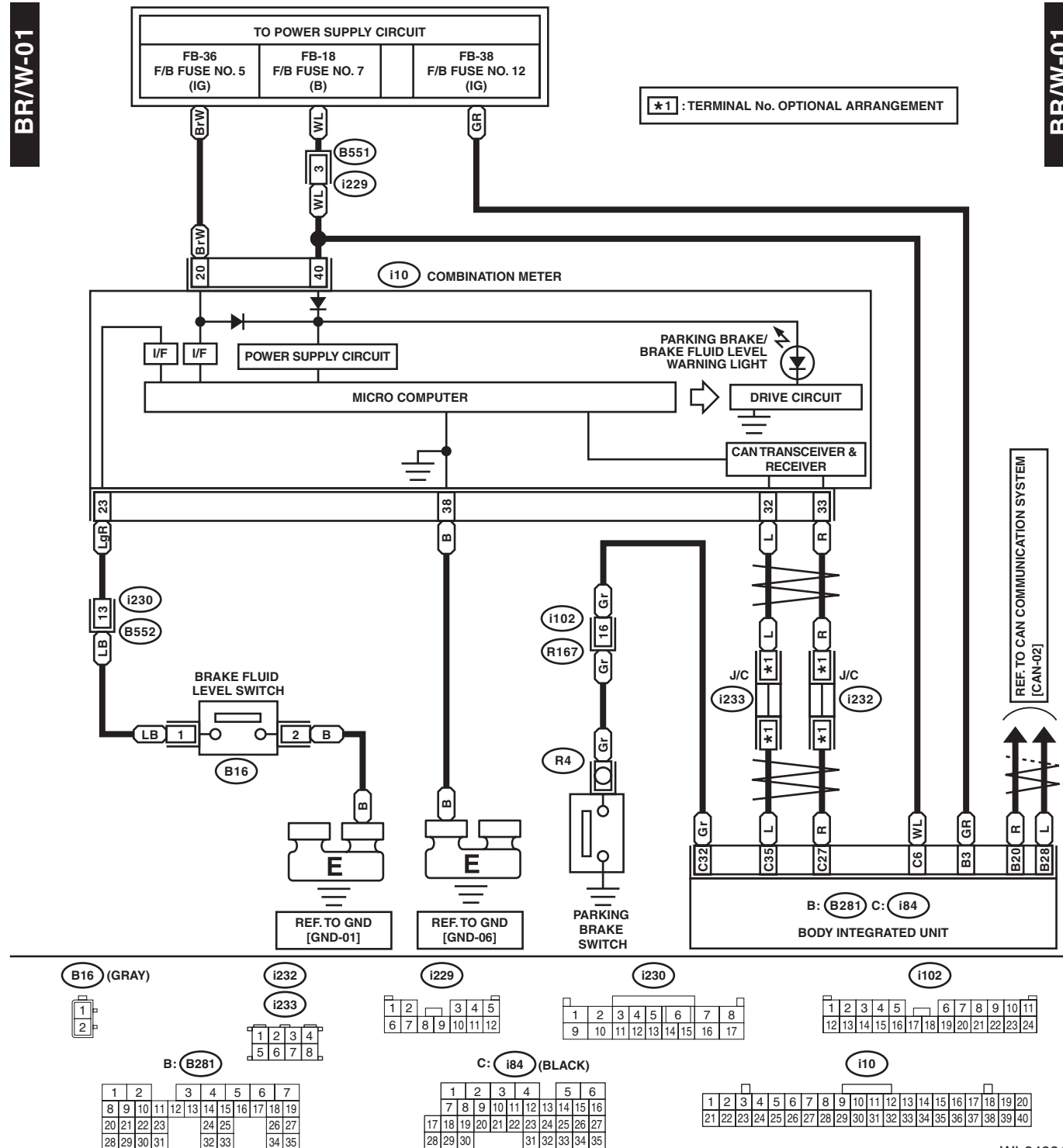
B21 (BLACK)																			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60

WI-34230

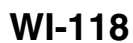
A: WIRING DIAGRAM

BR/W-01

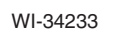
BR/W-01



A: WIRING DIAGRAM

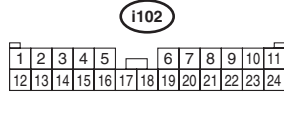
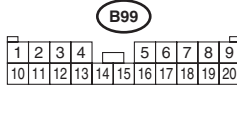
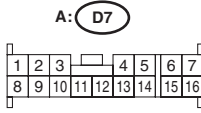
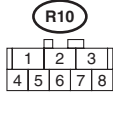
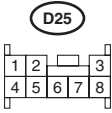
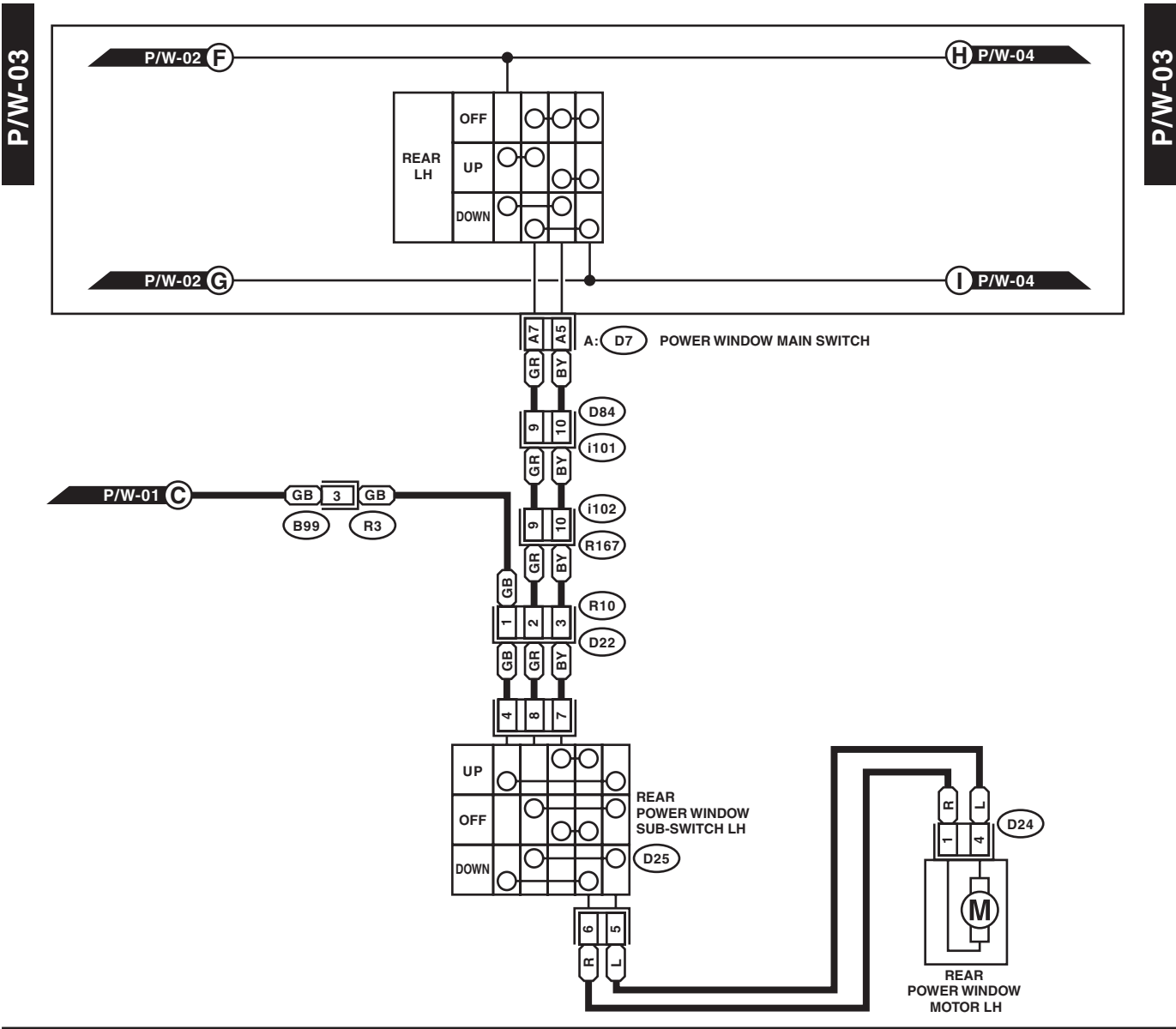


WIRING SYSTEM



Power Window System

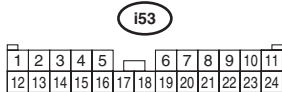
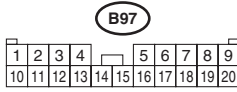
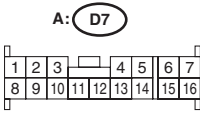
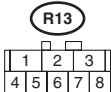
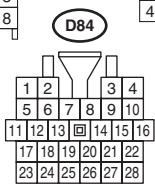
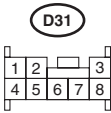
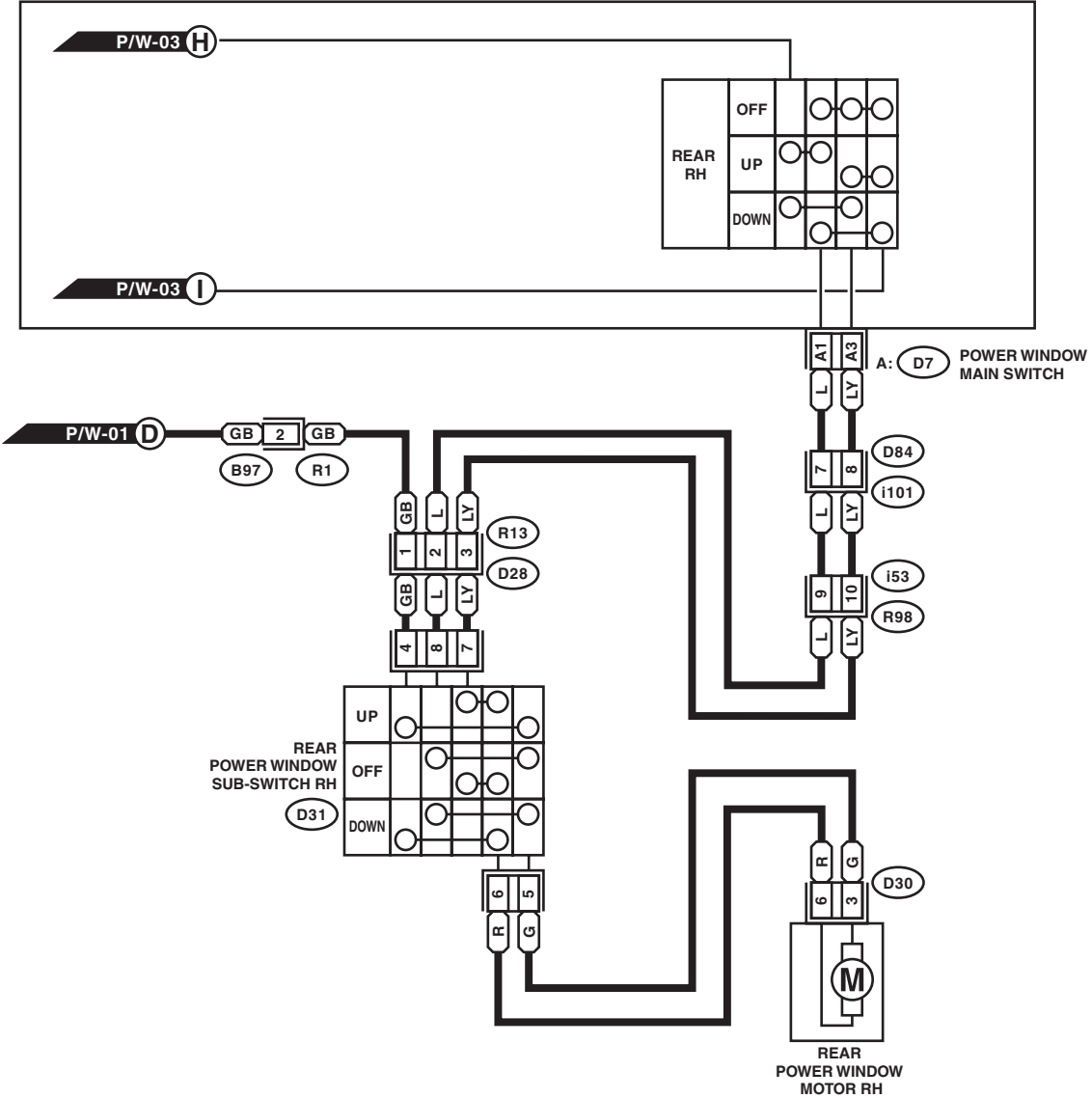
WIRING SYSTEM



WI-34234

P/W-04

P/W-04

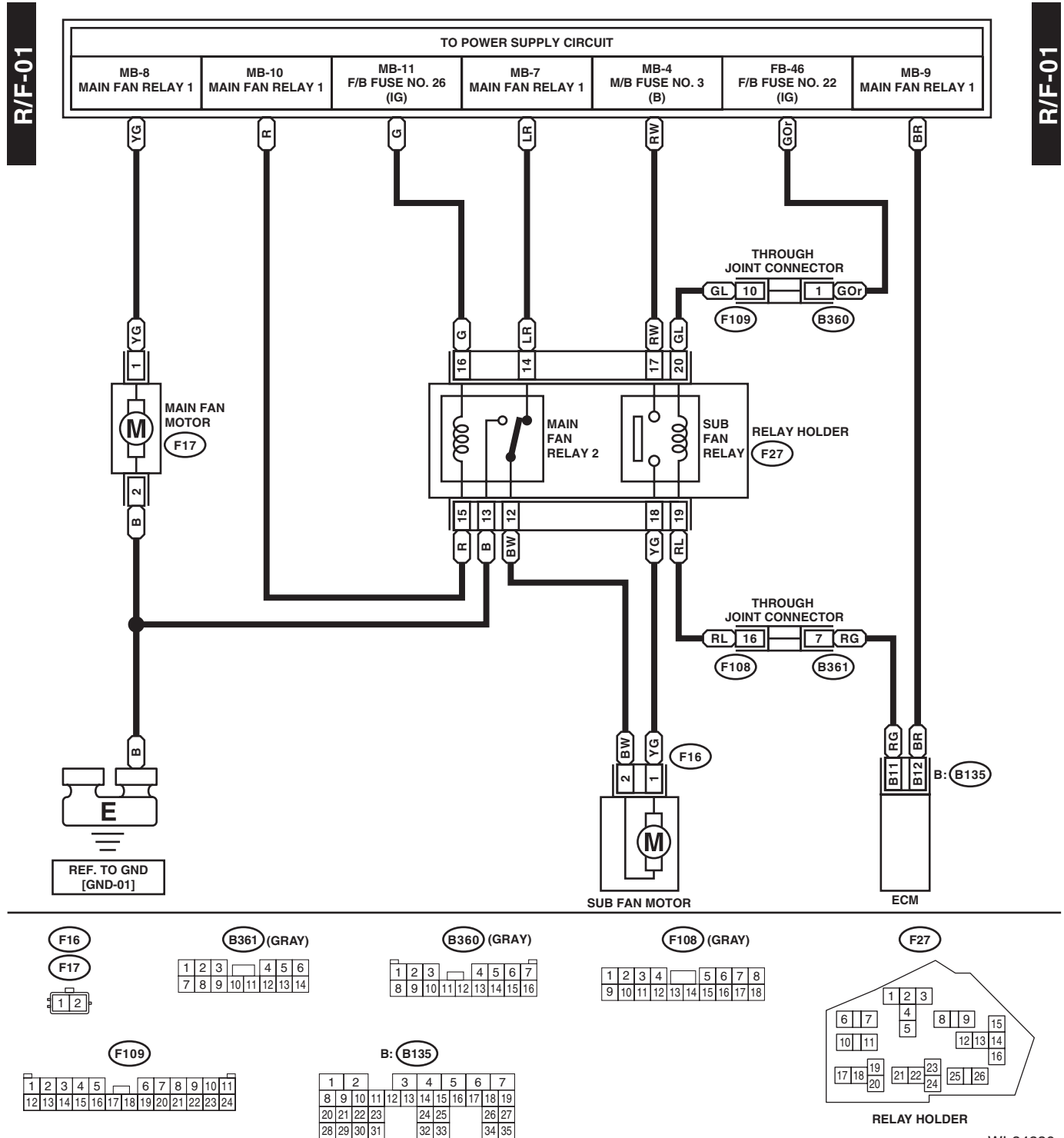


Radiator Fan System

WIRING SYSTEM

34.Radiator Fan System

A: WIRING DIAGRAM

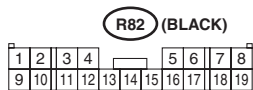
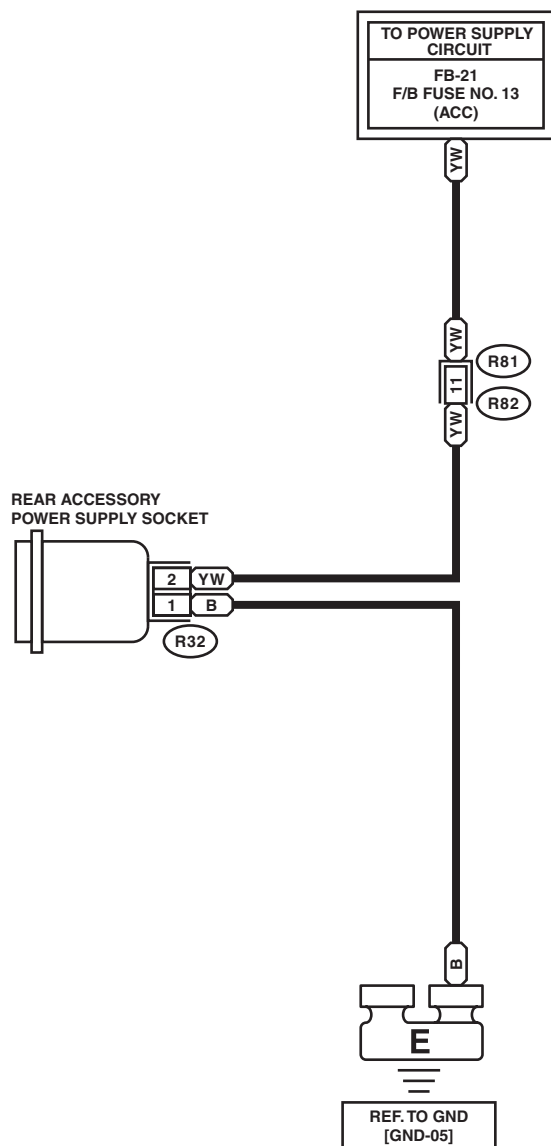


35.Rear Accessory Power Supply Socket System

A: WIRING DIAGRAM

RAPS-01

RAPS-01

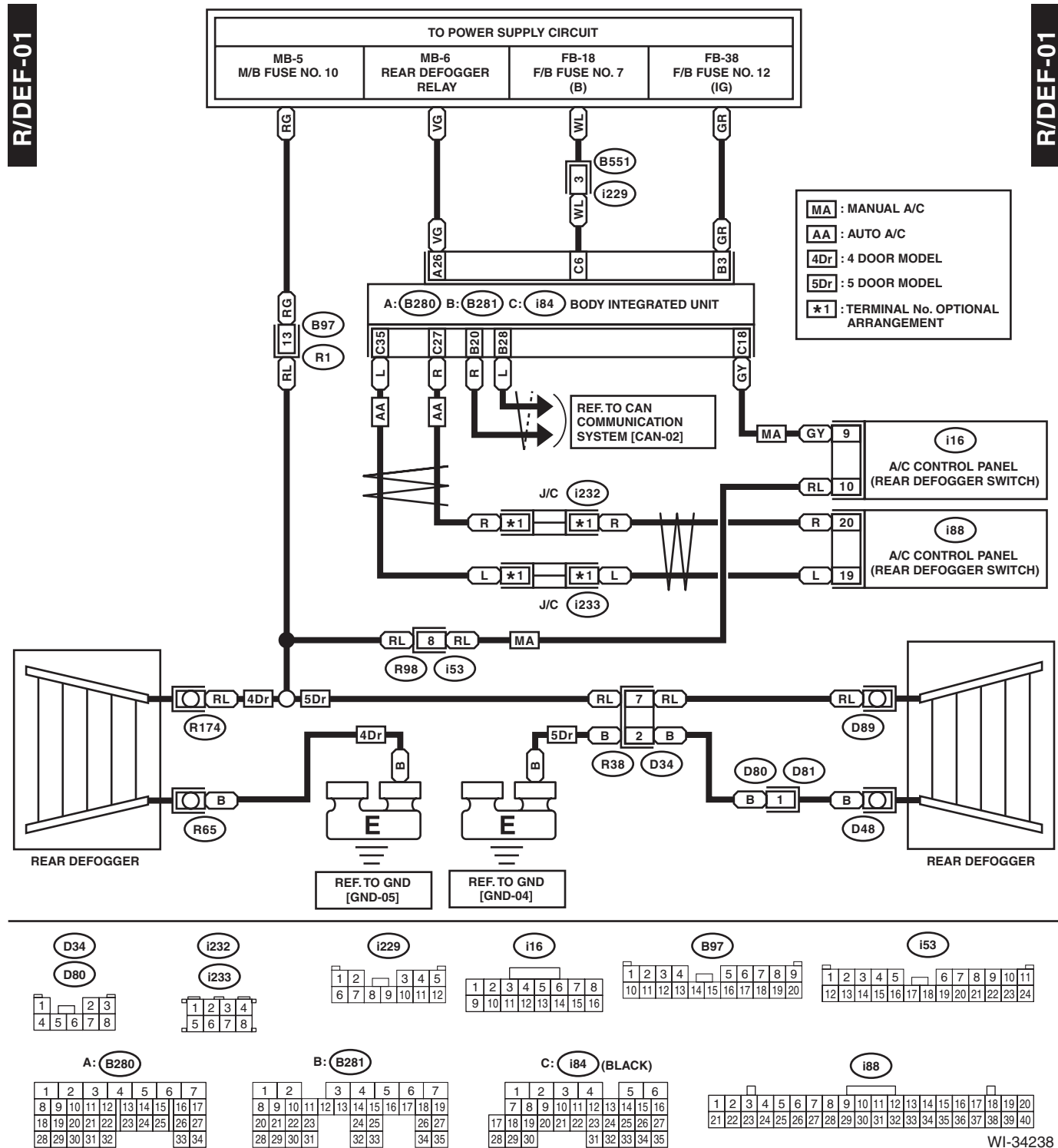


Rear Defogger System

WIRING SYSTEM

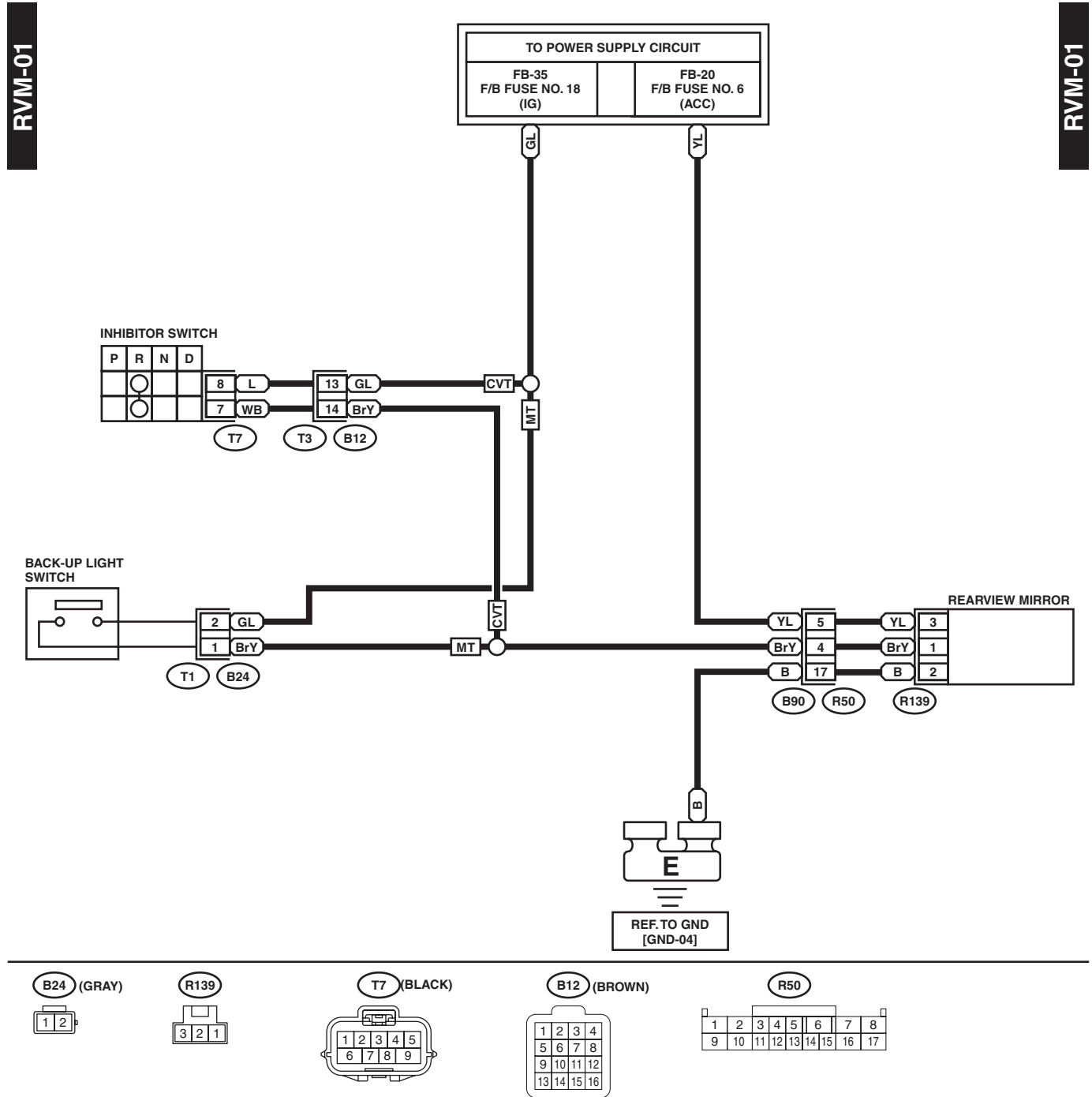
36.Rear Defogger System

A: WIRING DIAGRAM



37.Rearview Mirror System

A: WIRING DIAGRAM



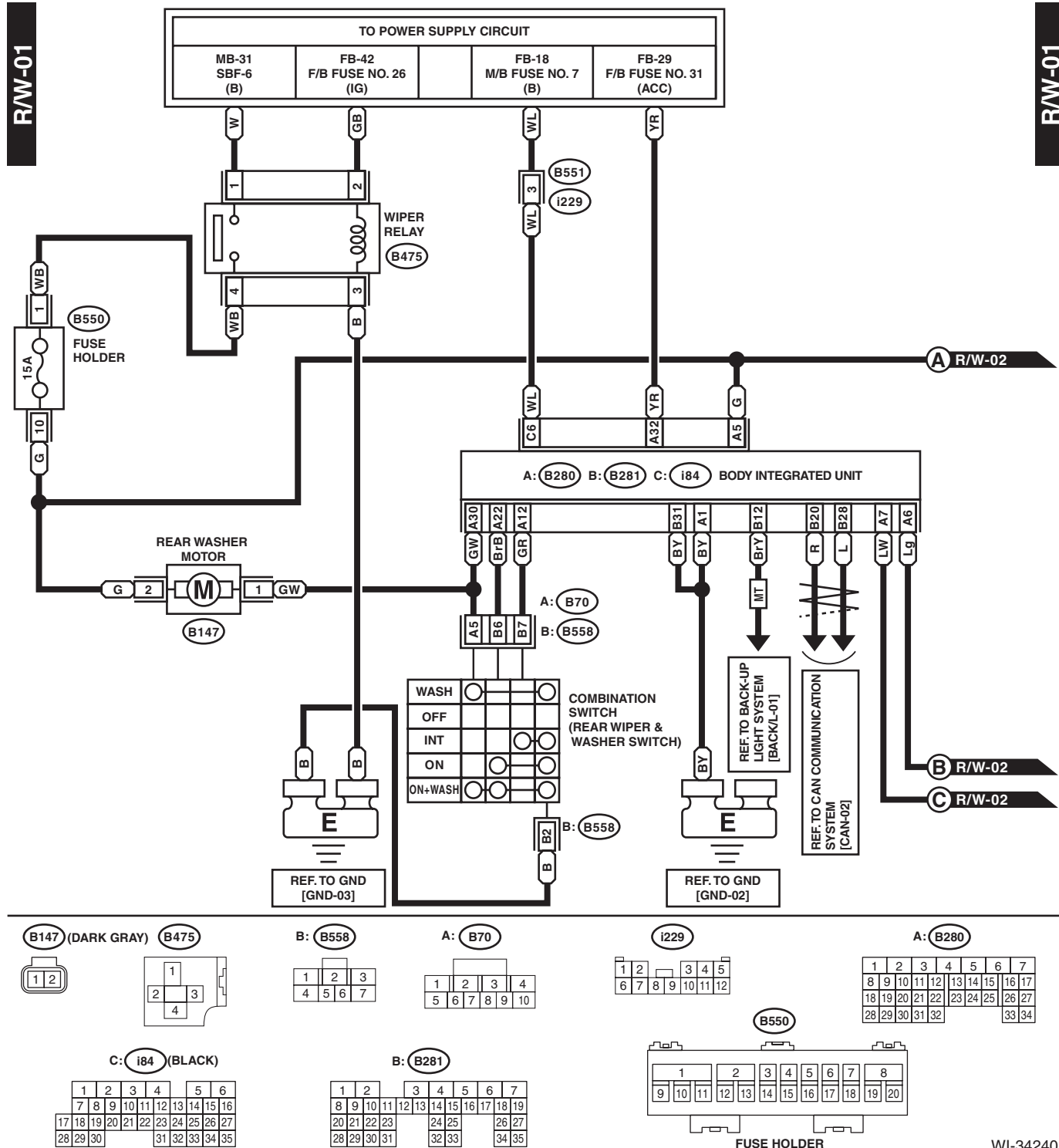
WI-34239

Rear Wiper and Washer System

WIRING SYSTEM

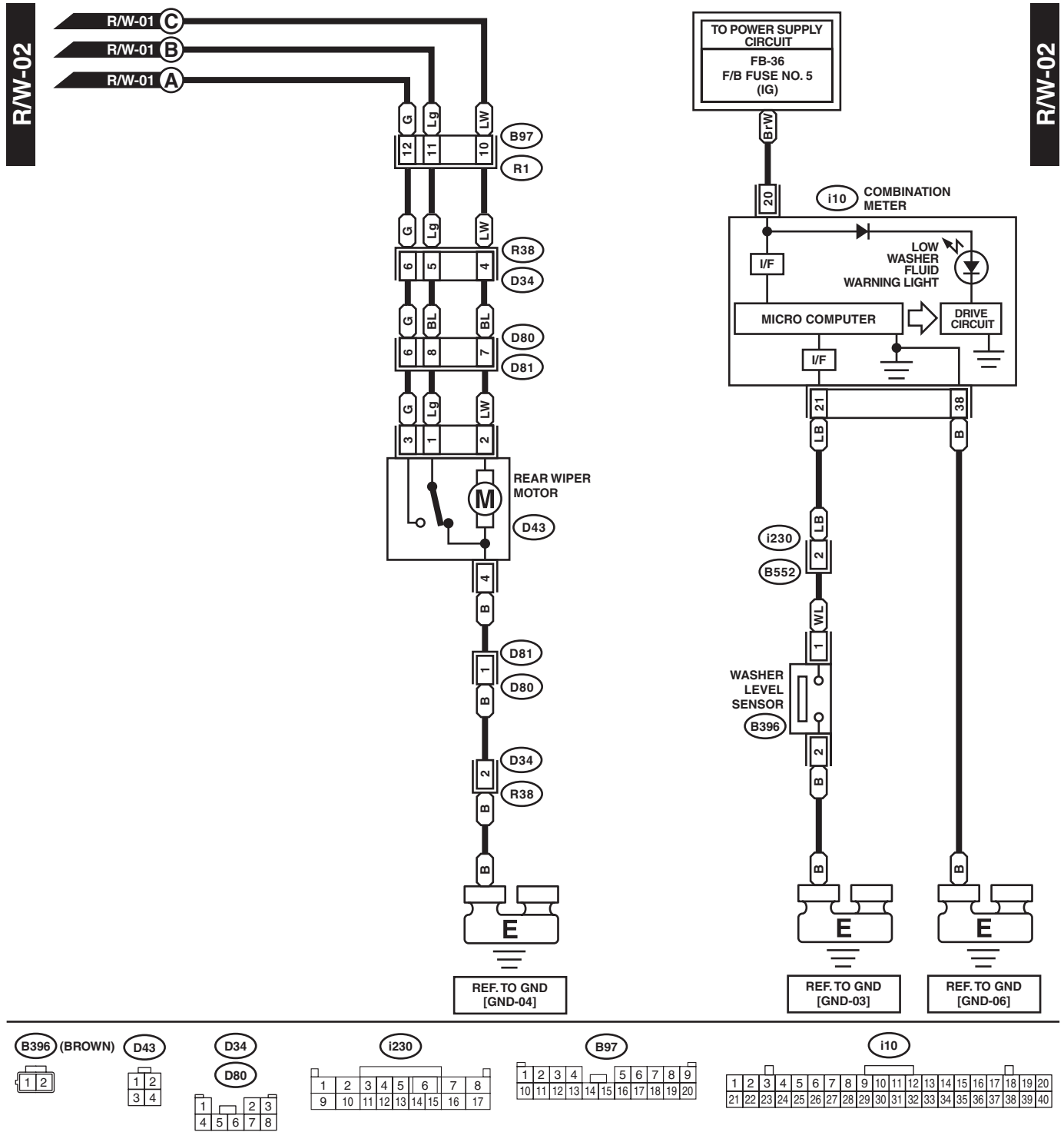
38.Rear Wiper and Washer System

A: WIRING DIAGRAM



Rear Wiper and Washer System

WIRING SYSTEM

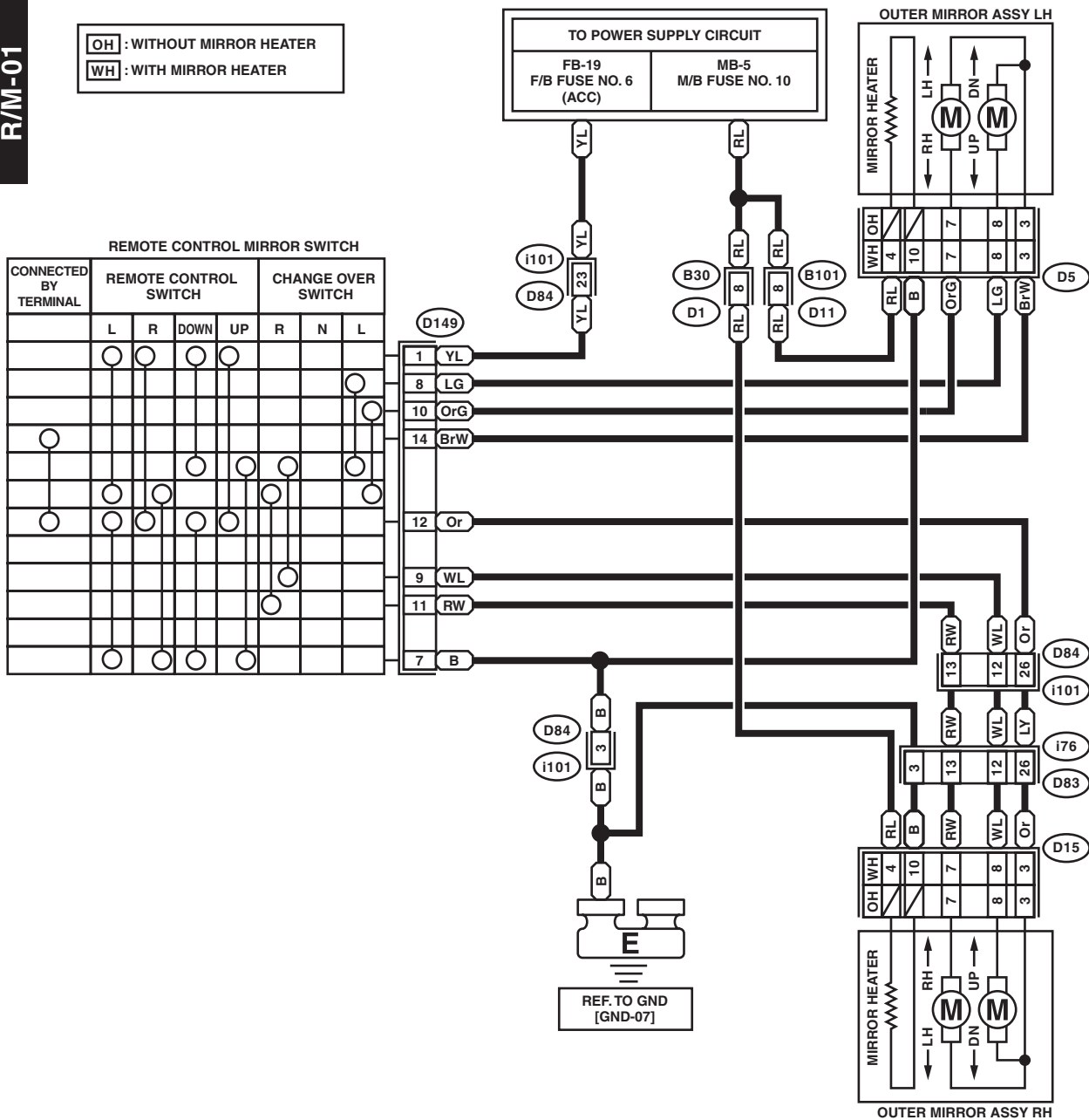


WI-34241

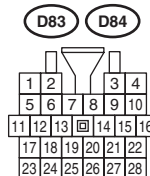
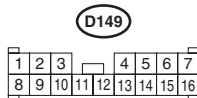
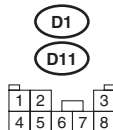
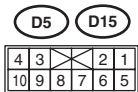
A: WIRING DIAGRAM

R/M-01

OH : WITHOUT MIRROR HEATER
WH : WITH MIRROR HEATER

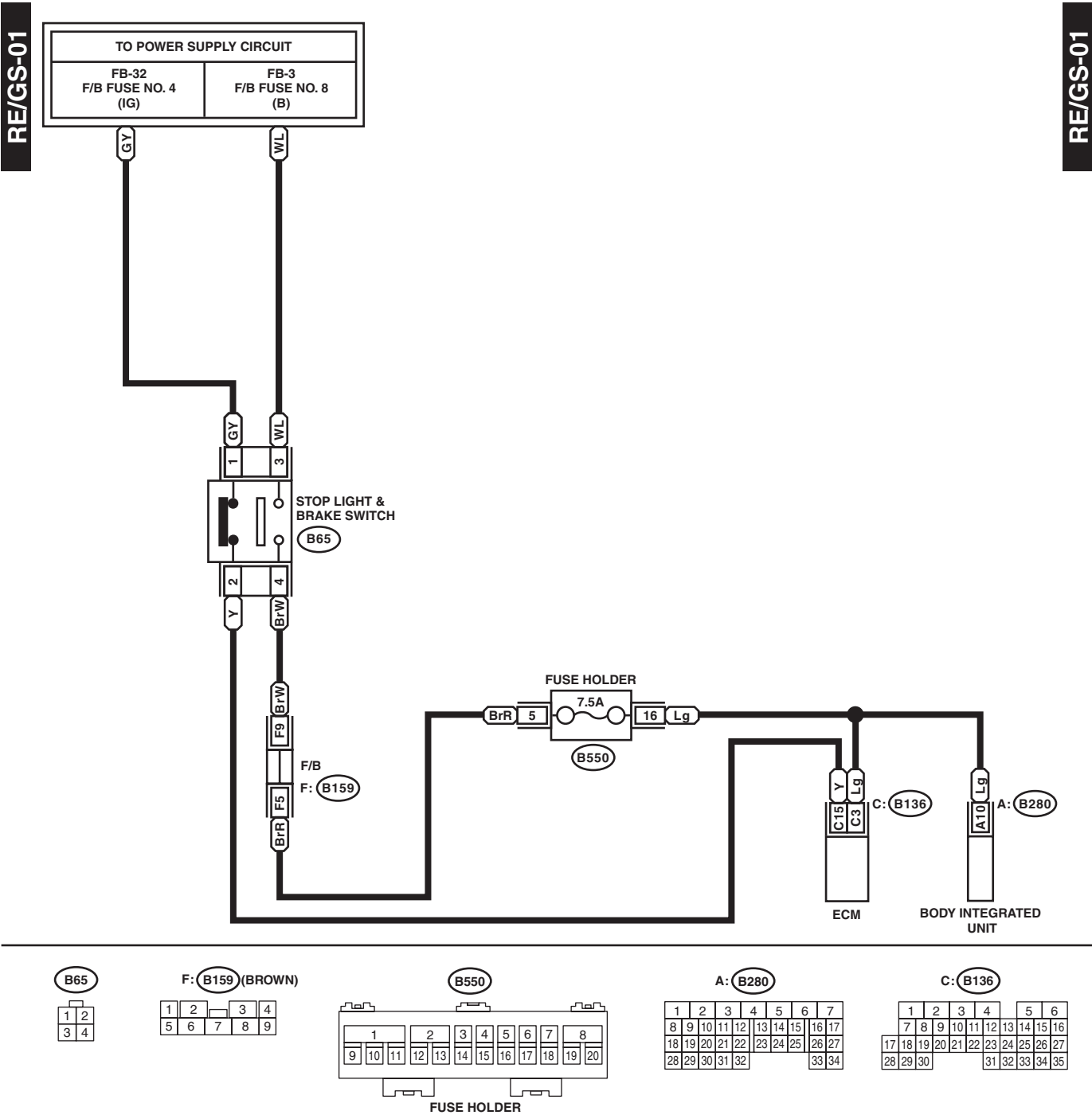


R/M-01

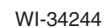


40.Remote Engine Start System

A: WIRING DIAGRAM

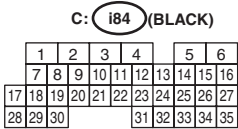
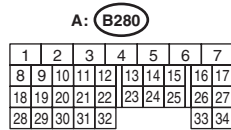
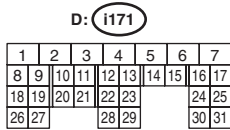
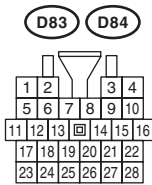
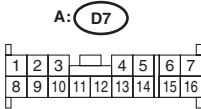
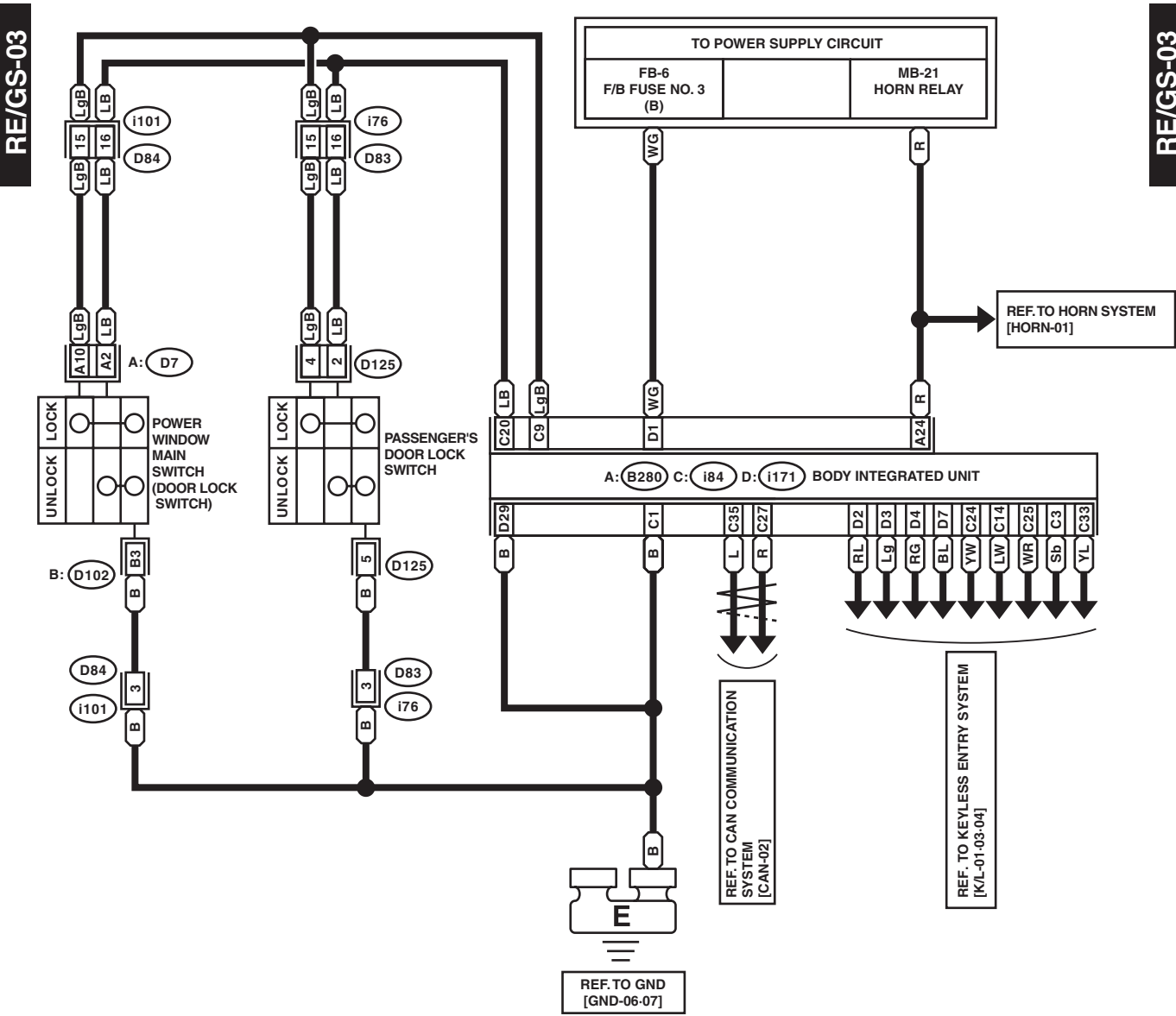


WIRING SYSTEM



Remote Engine Start System

WIRING SYSTEM



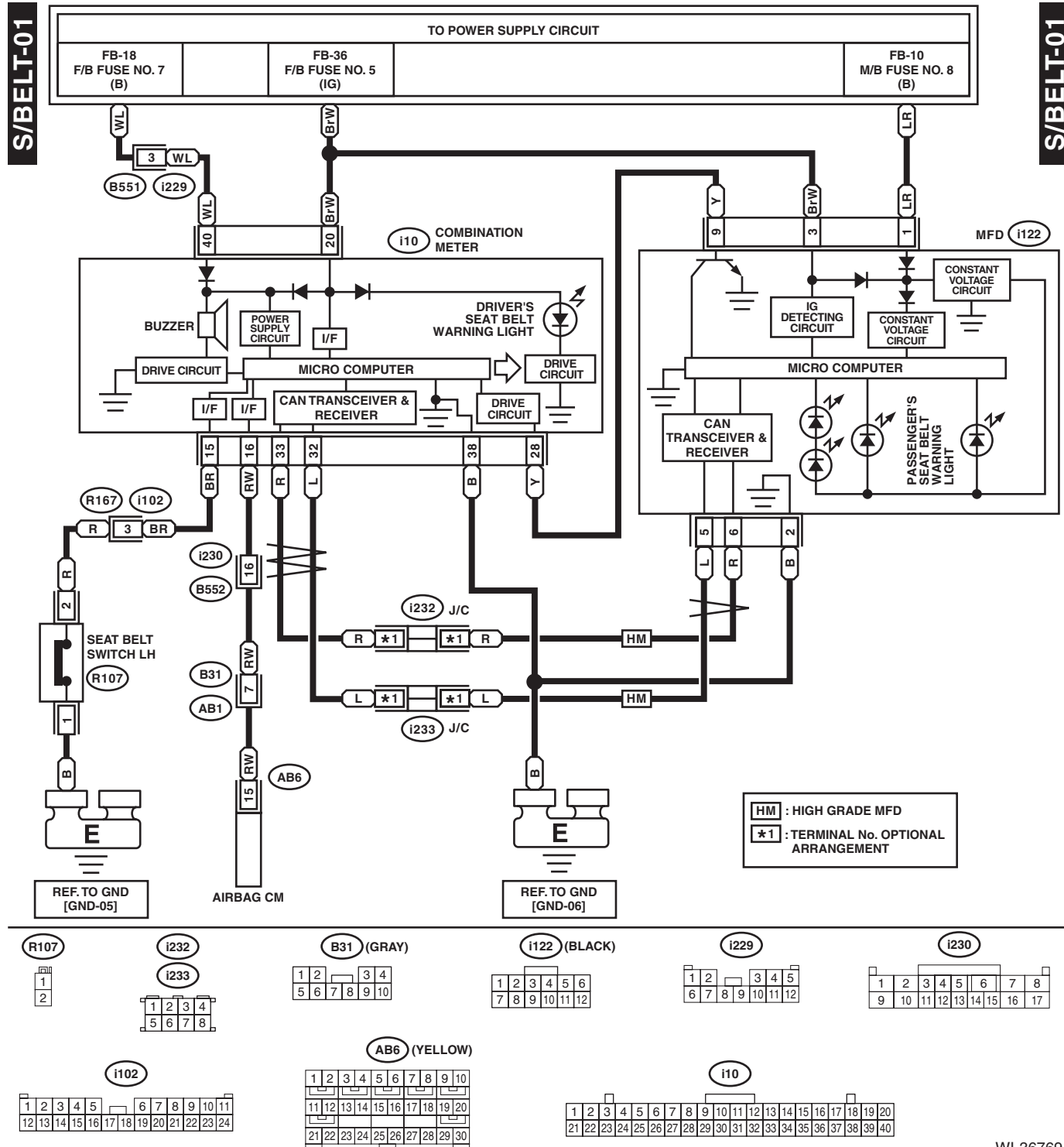
WI-34245

Seat Belt Warning System

WIRING SYSTEM

41. Seat Belt Warning System

A: WIRING DIAGRAM

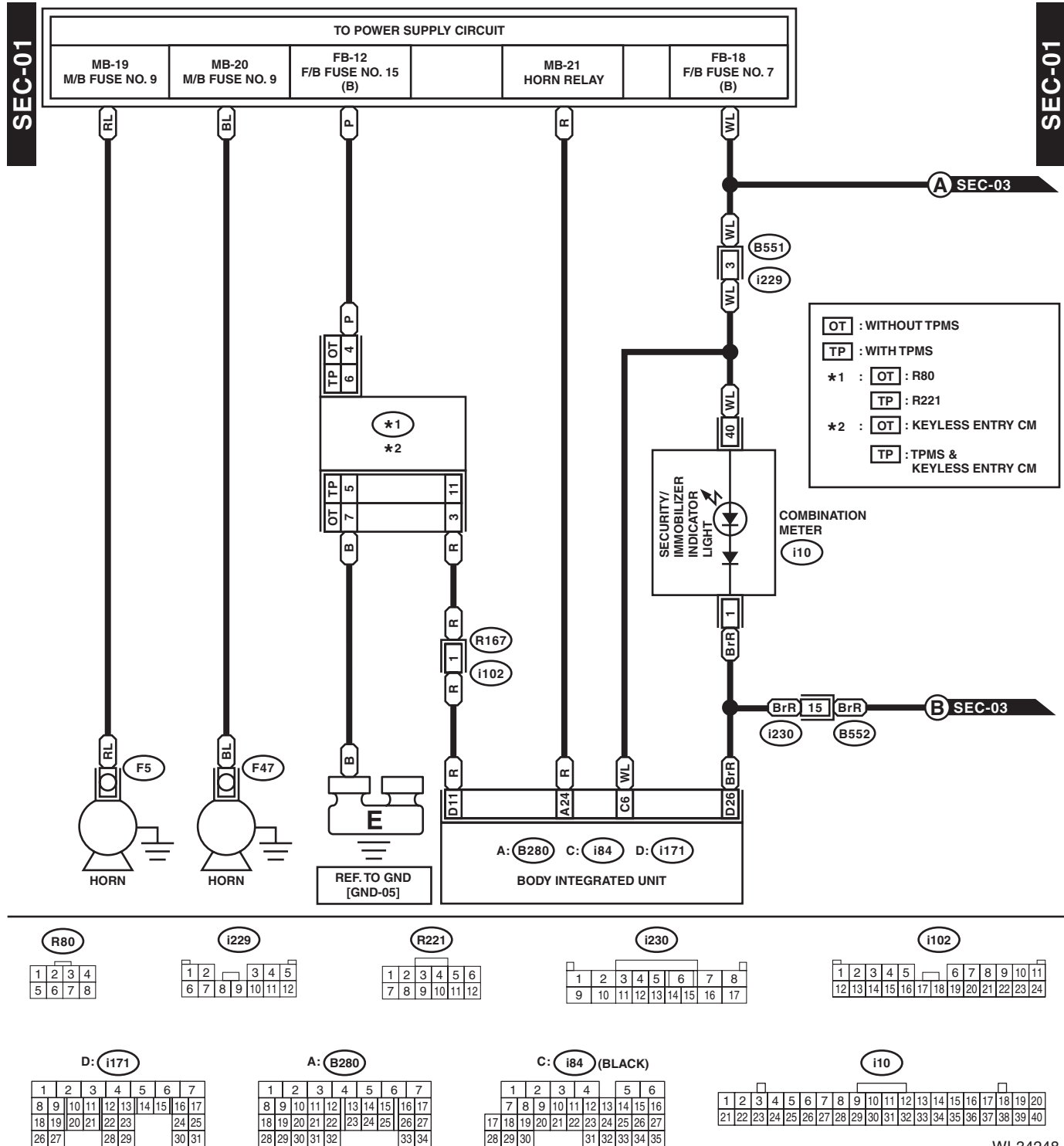


A: WIRING DIAGRAM



43.Security System

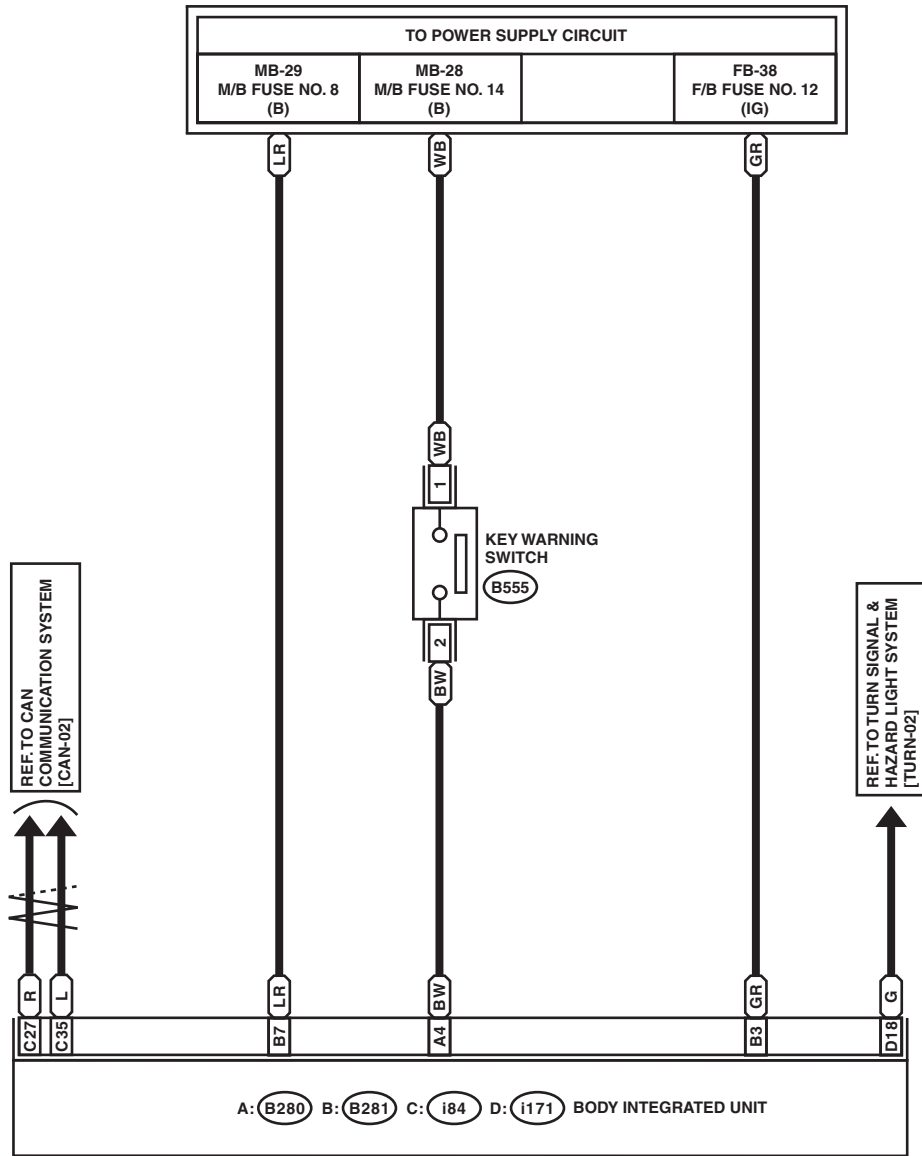
A: WIRING DIAGRAM



WI-34248

SEC-02

SEC-02



B555

1	2
---	---

D: (i171)

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: (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	31	32	33	34	35

B: (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
29	30	31	32	33	34	35

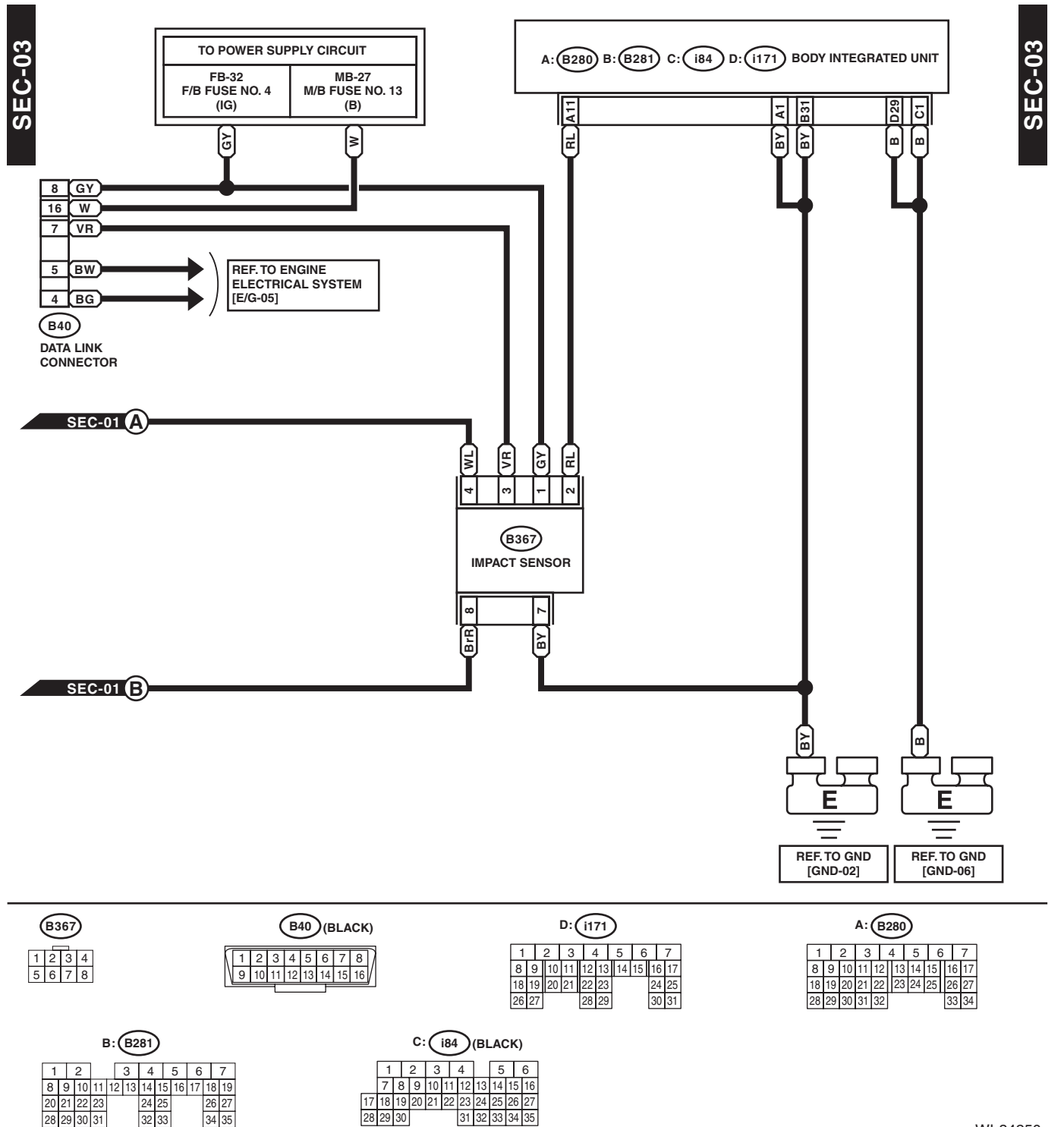
C: (i84) (BLACK)

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

WI-34249

Security System

WIRING SYSTEM



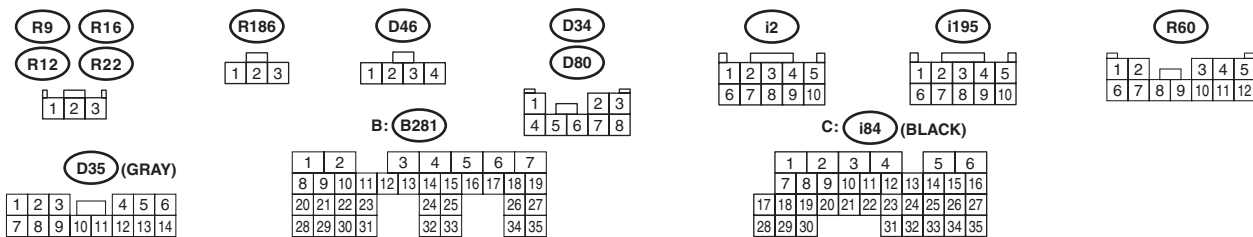
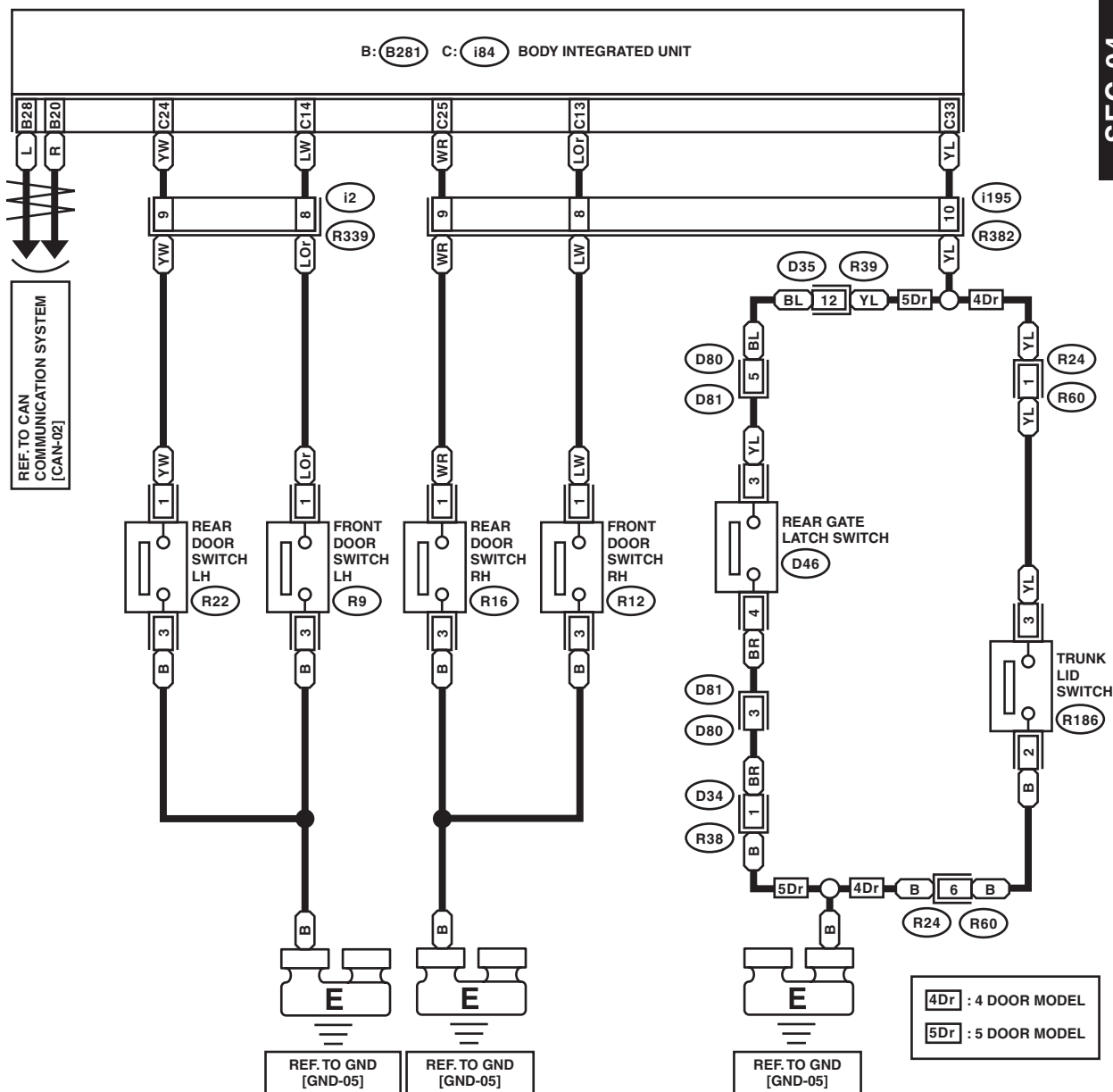
WI-34250

WIRING SYSTEM

WIRING SYSTEM

SEC-04

SEC-04



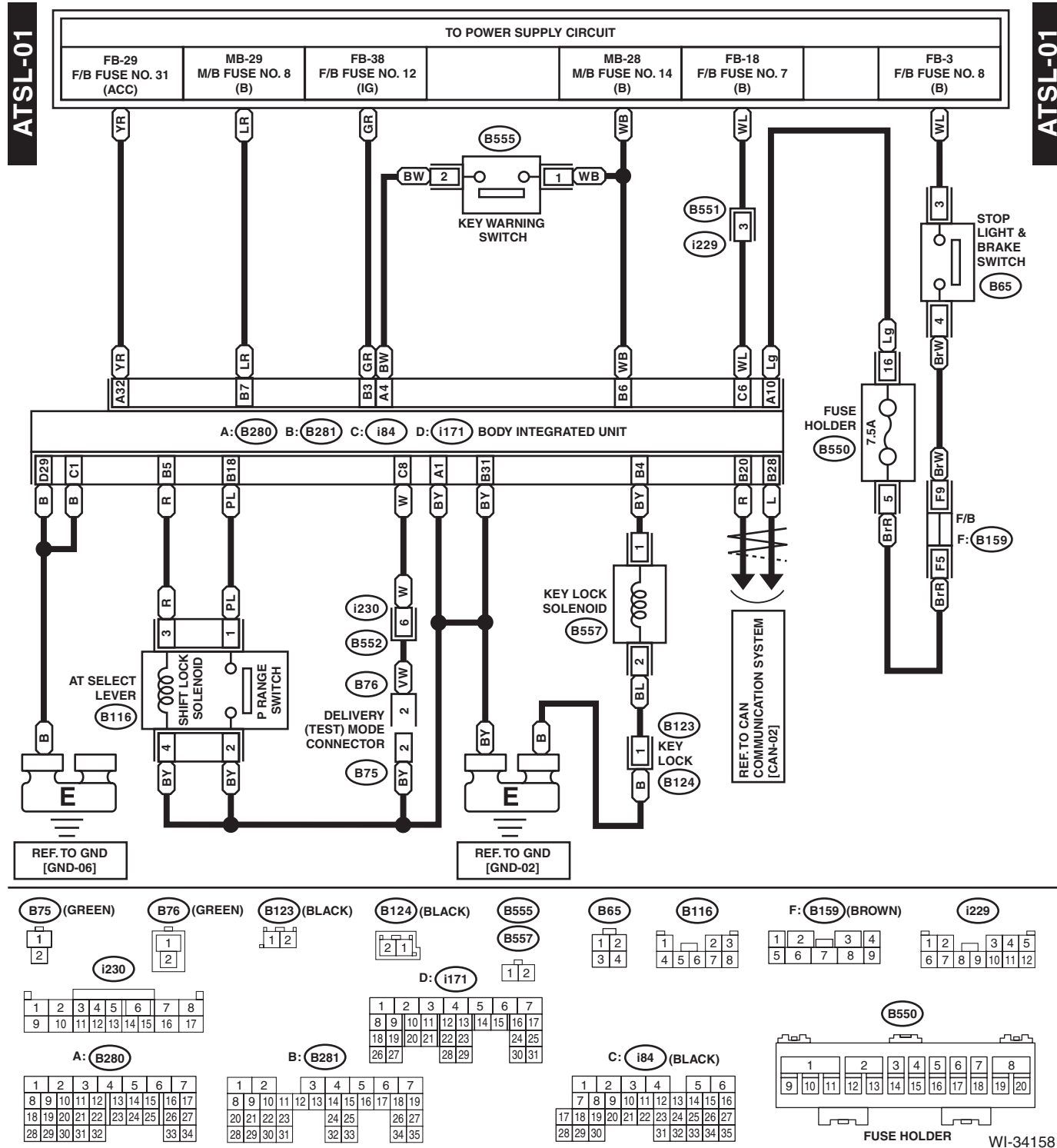
WI-34251

Shift Lock Control System

WIRING SYSTEM

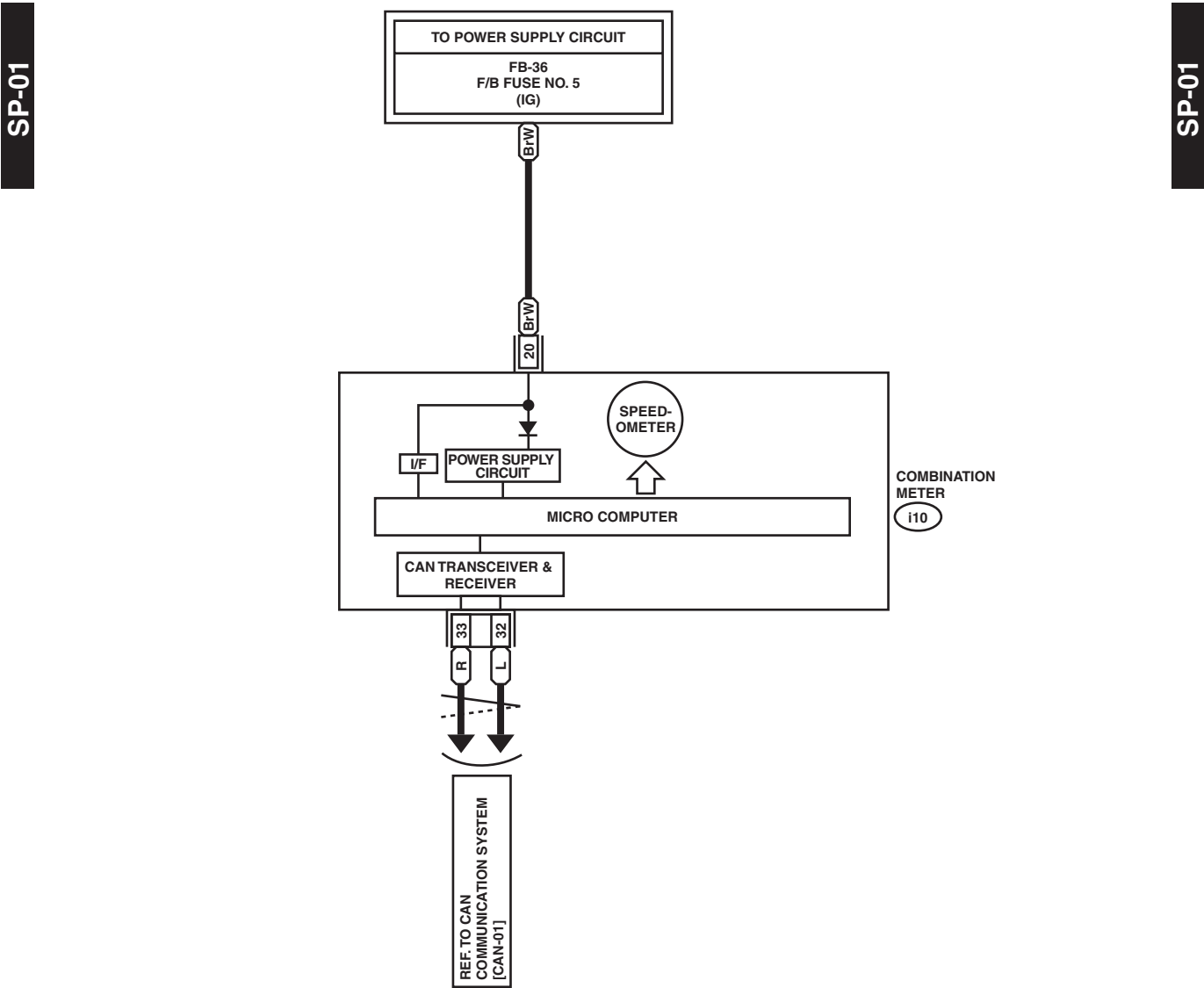
44.Shift Lock Control System

A: WIRING DIAGRAM



45.Speedometer System

A: WIRING DIAGRAM



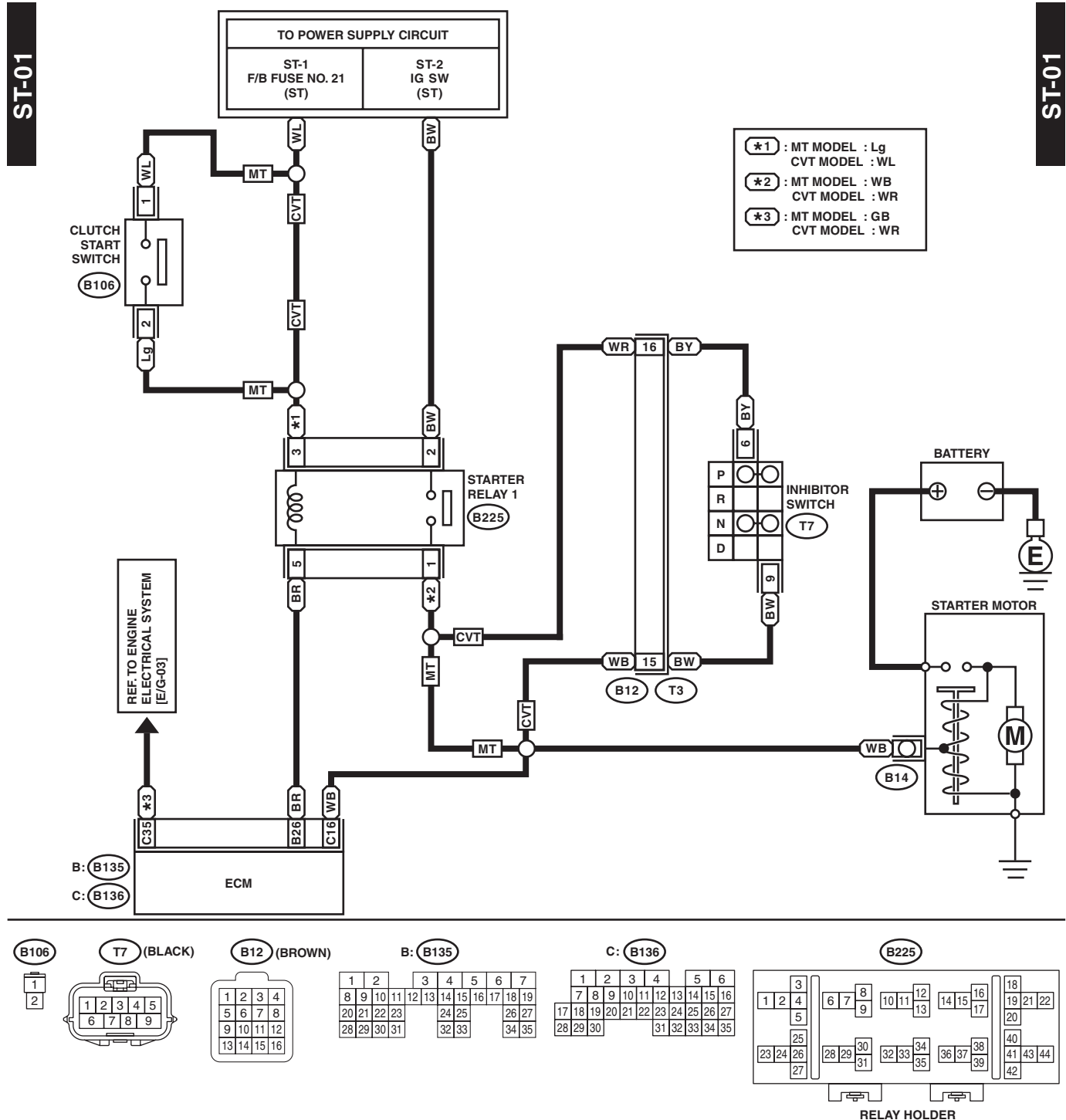
										i10										
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	

Starter System

WIRING SYSTEM

46.Starter System

A: WIRING DIAGRAM

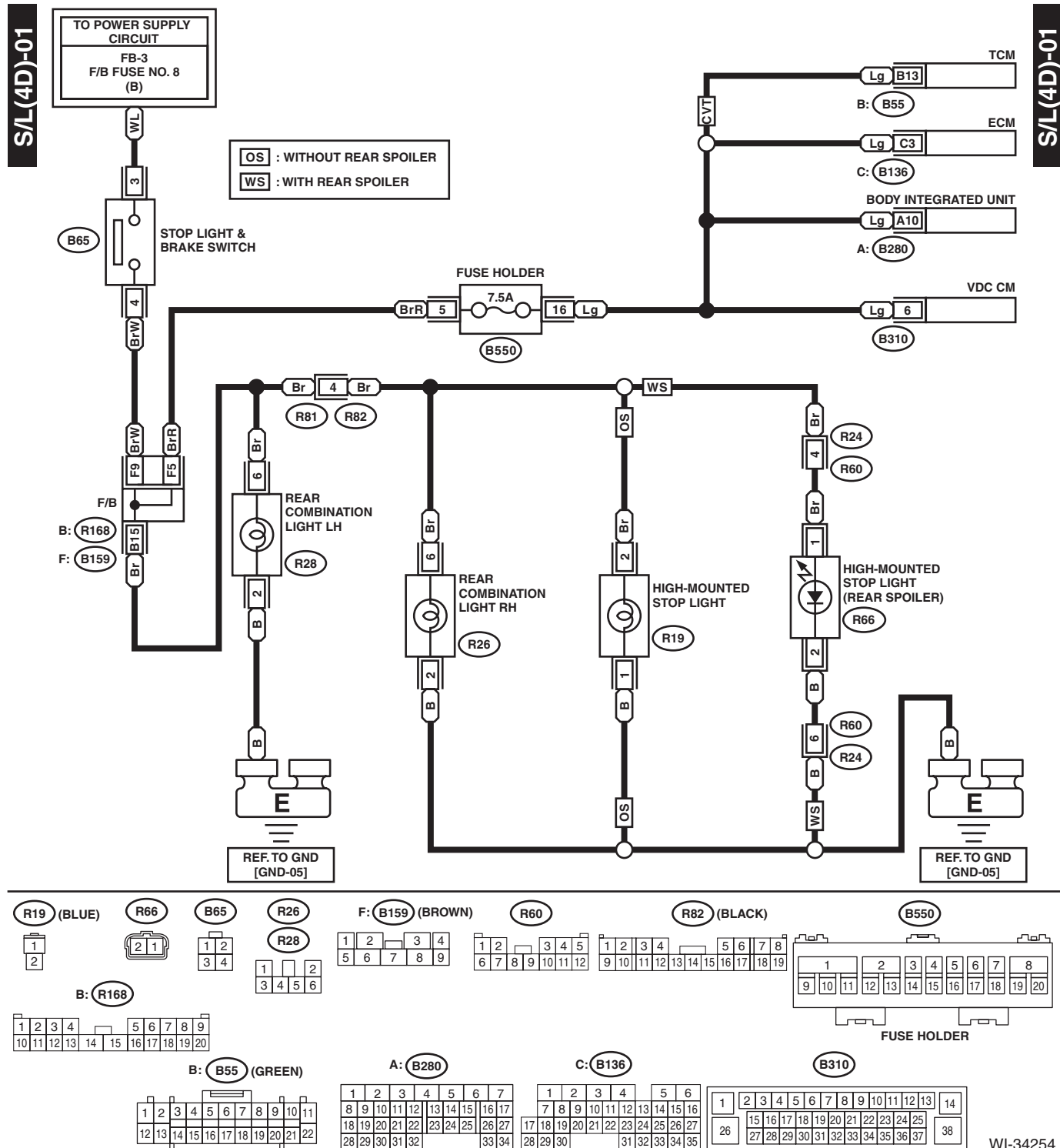


WI-34253

47.Stop Light System

A: WIRING DIAGRAM

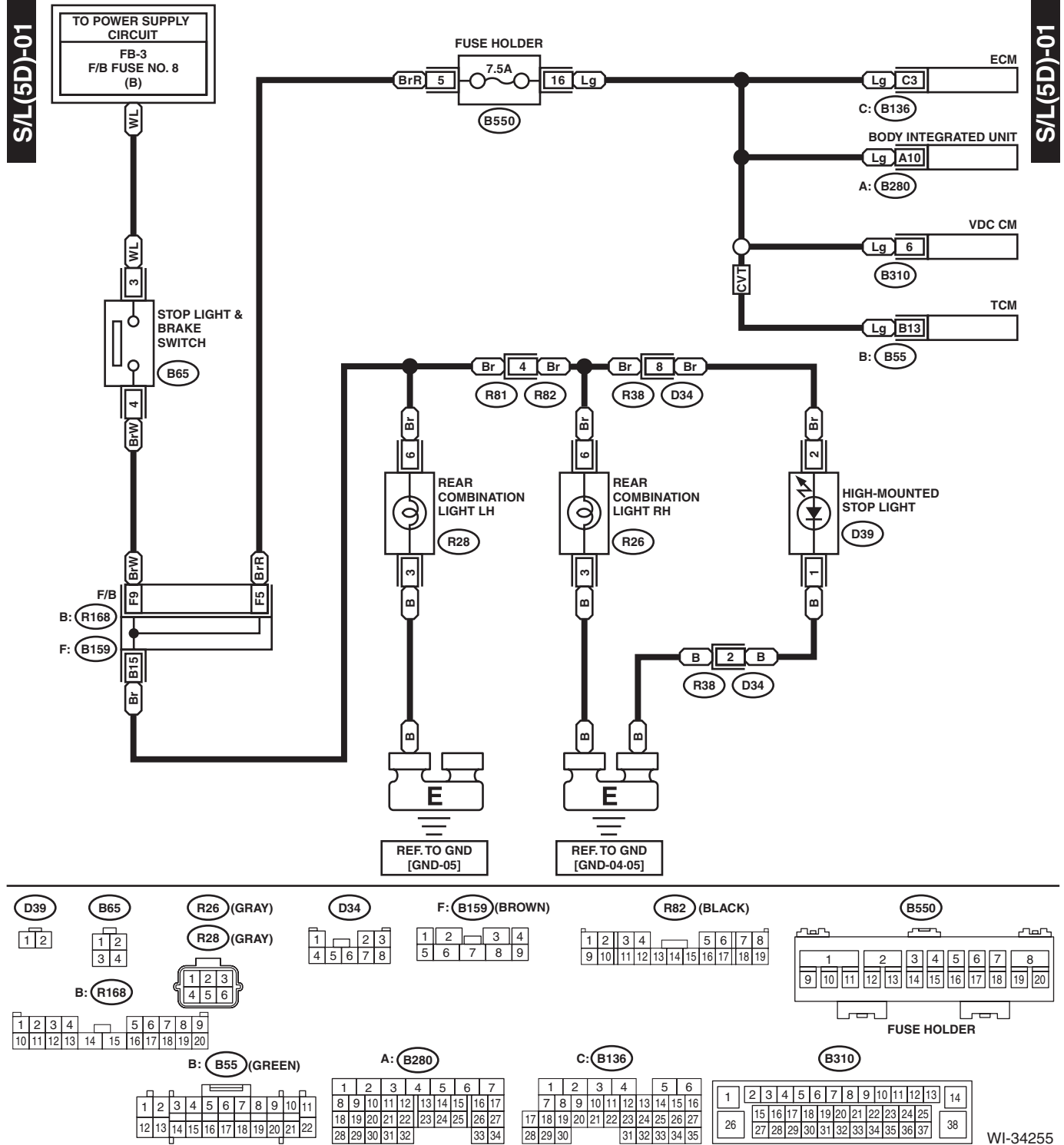
1. 4 DOOR MODEL



Stop Light System

WIRING SYSTEM

2. 5 DOOR MODEL



A: WIRING DIAGRAM

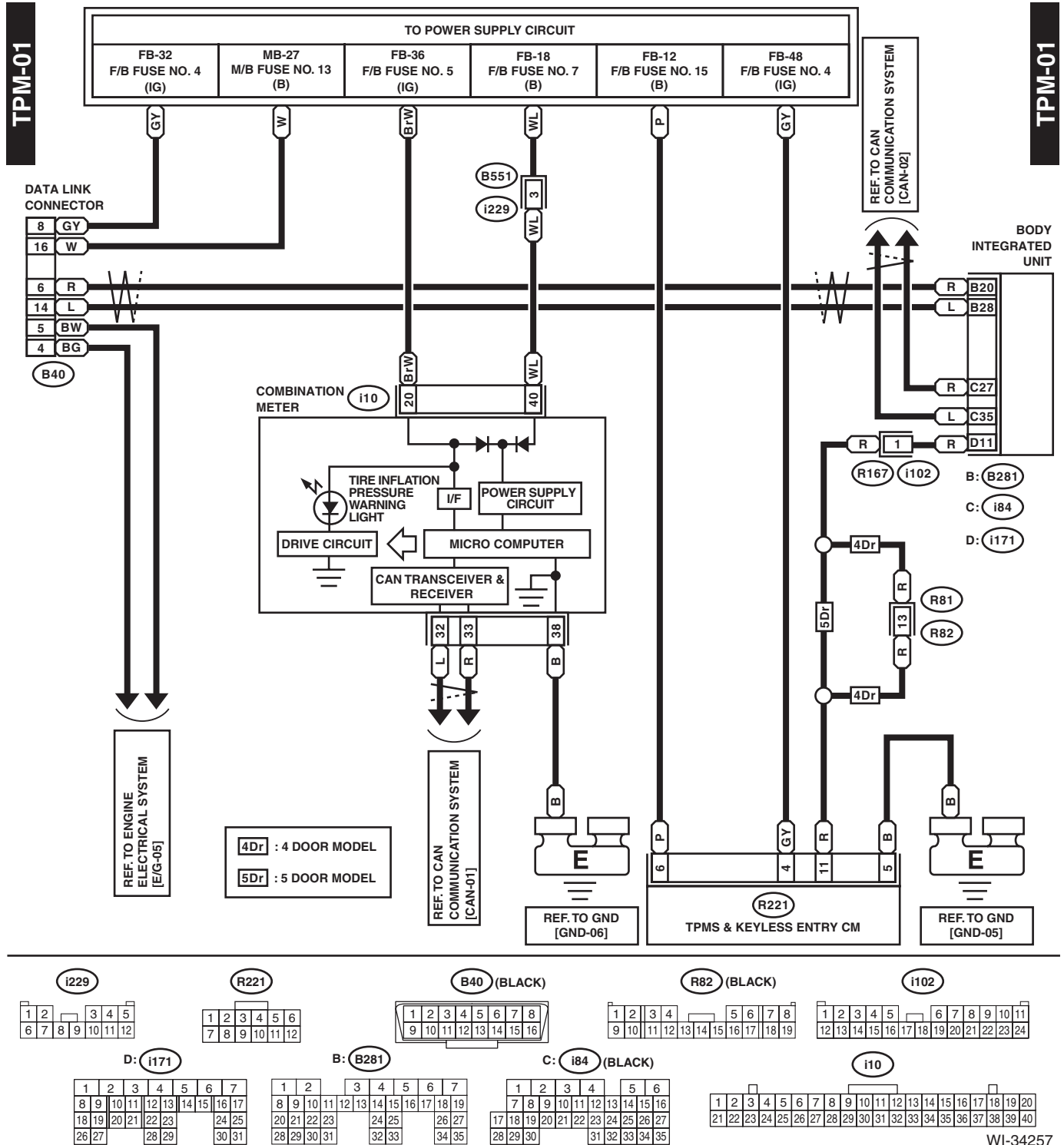


Tire Pressure Monitoring System

WIRING SYSTEM

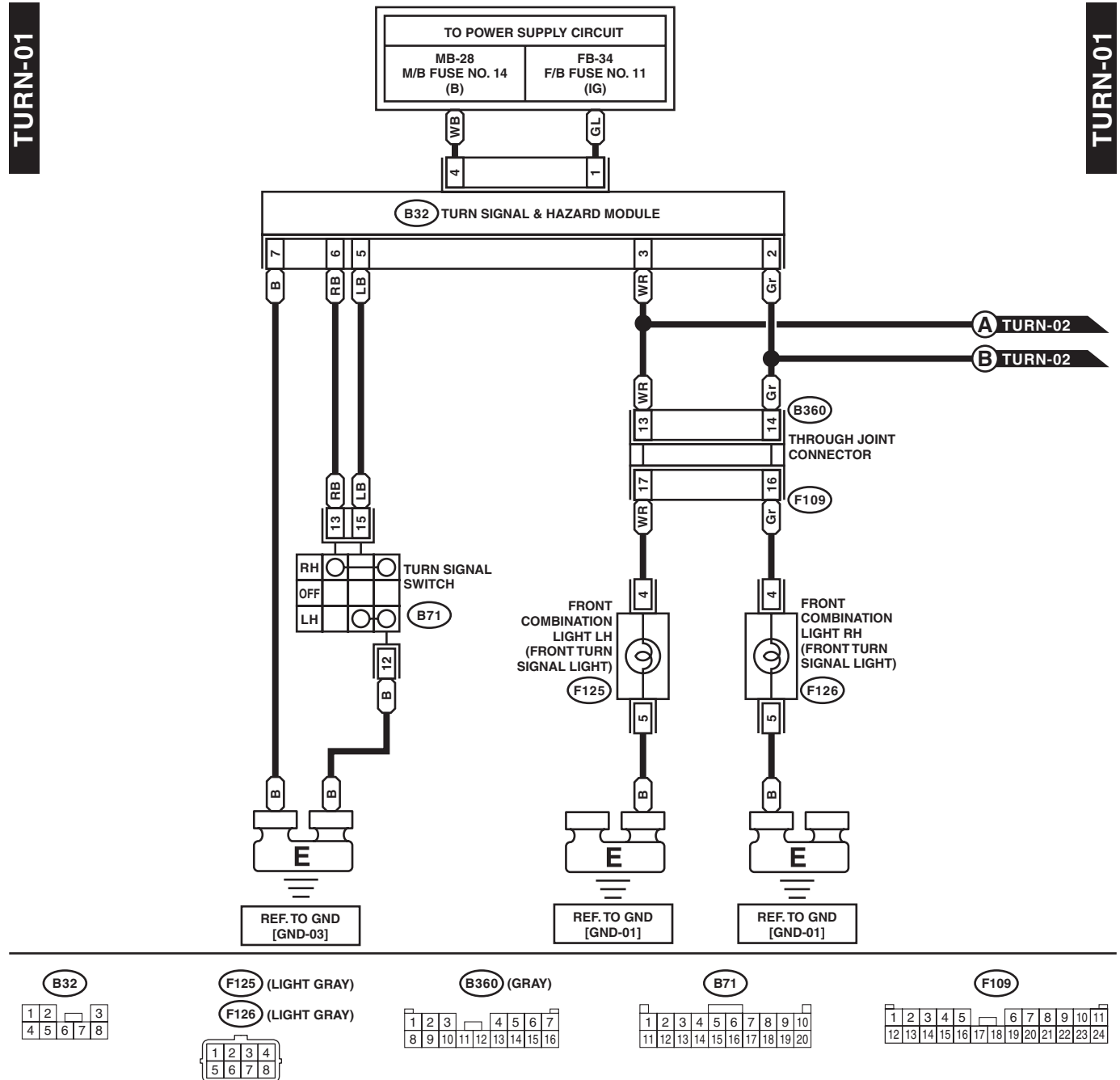
49. Tire Pressure Monitoring System

A: WIRING DIAGRAM



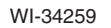
50. Turn Signal Light and Hazard Light System

A: WIRING DIAGRAM



WI-34258

WIRING SYSTEM

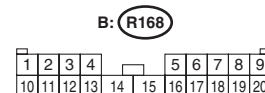
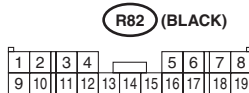
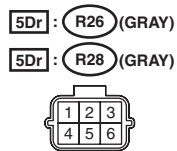
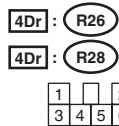
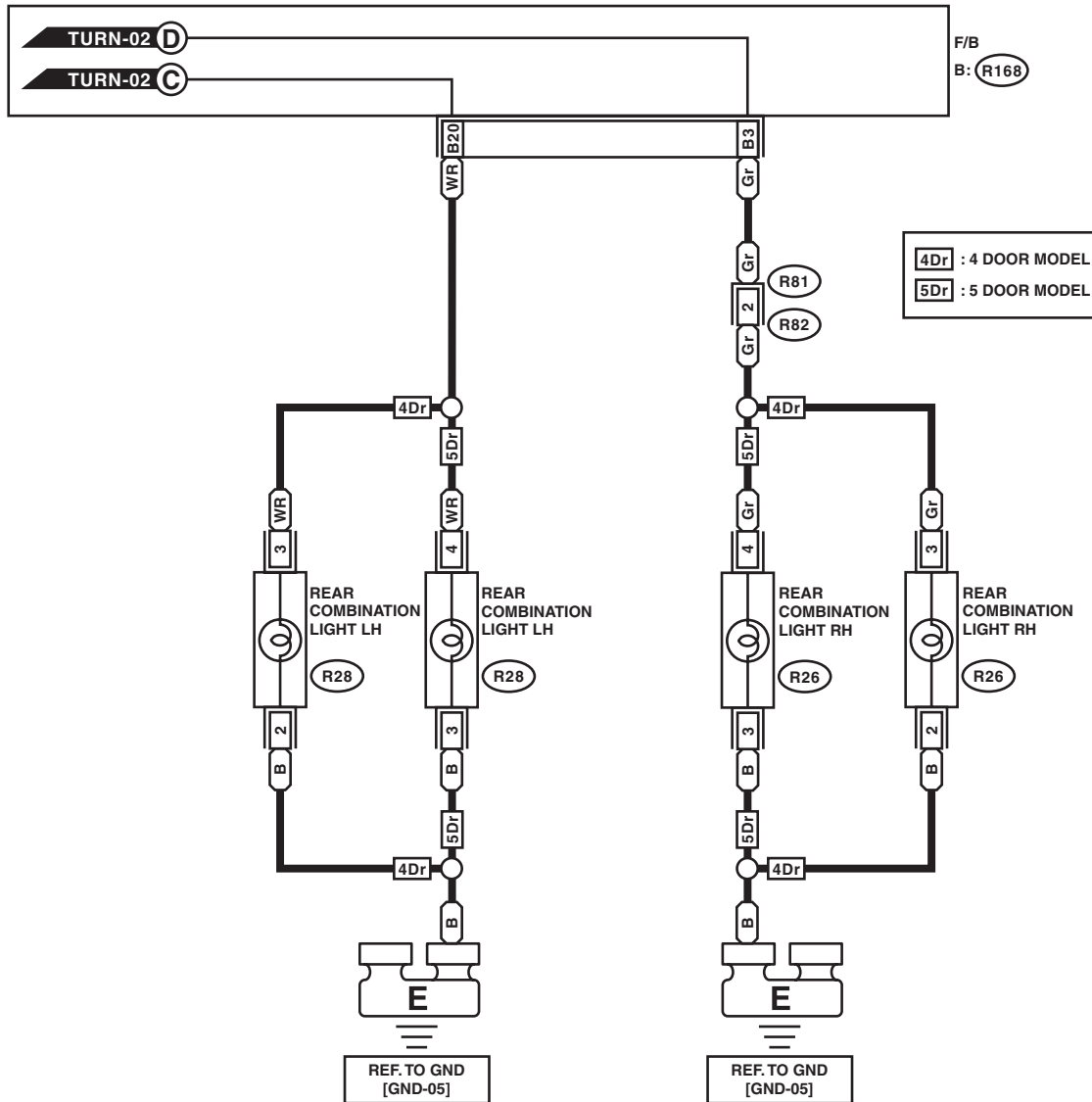


Turn Signal Light and Hazard Light System

WIRING SYSTEM

TURN-03

TURN-03



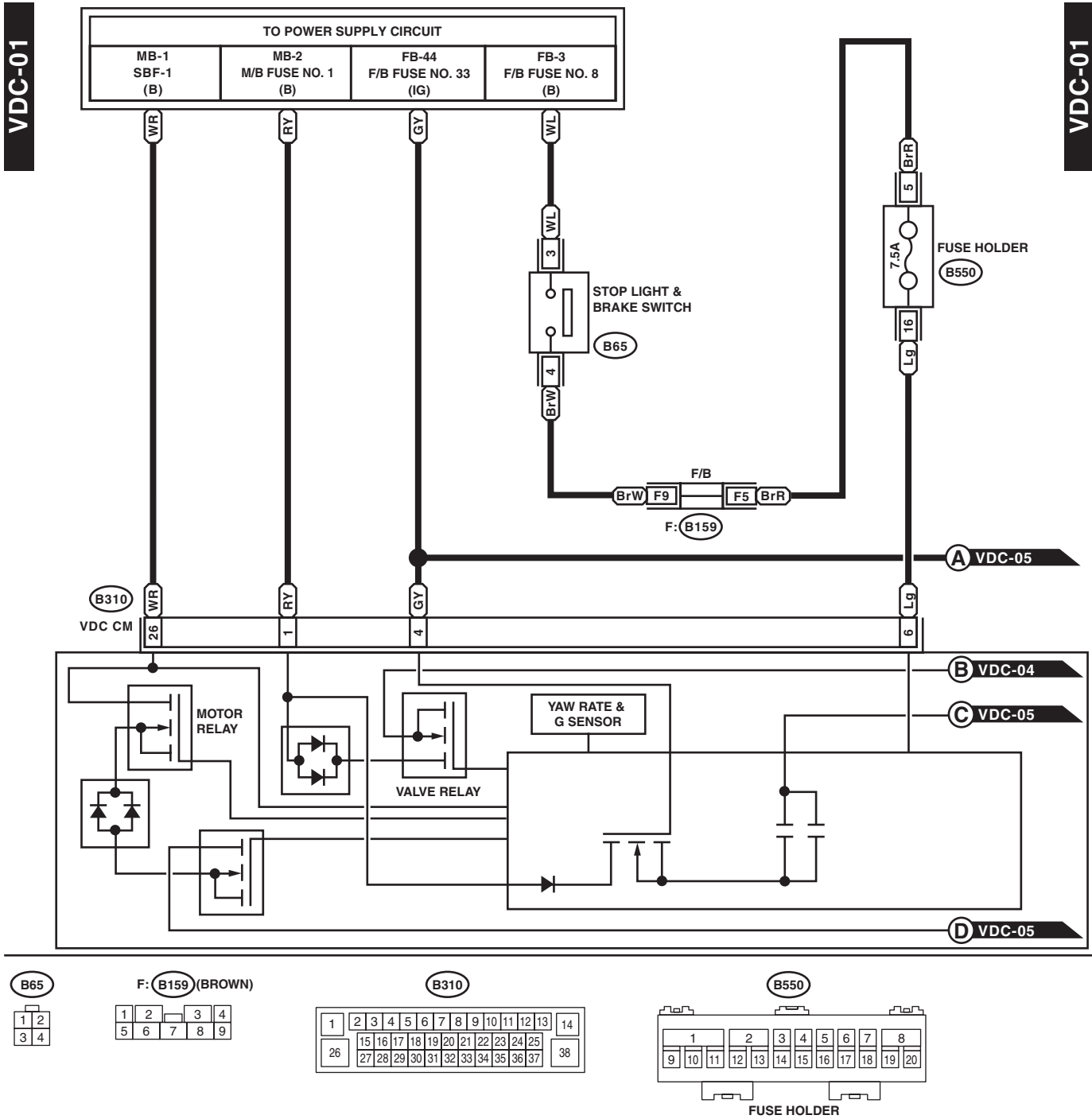
WI-34260

Vehicle Dynamics Control System

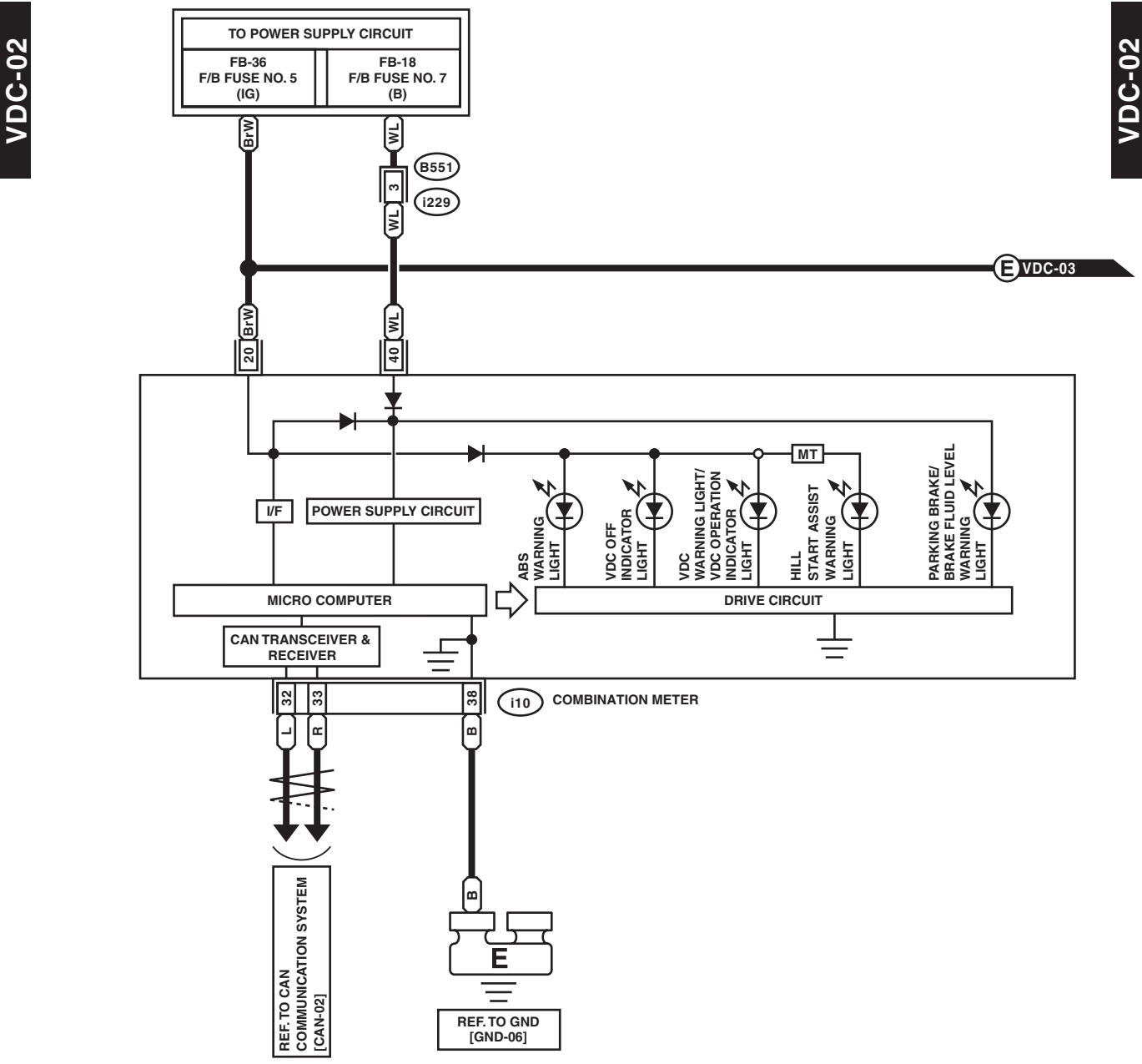
WIRING SYSTEM

51.Vehicle Dynamics Control System

A: WIRING DIAGRAM



WI-34261



i229

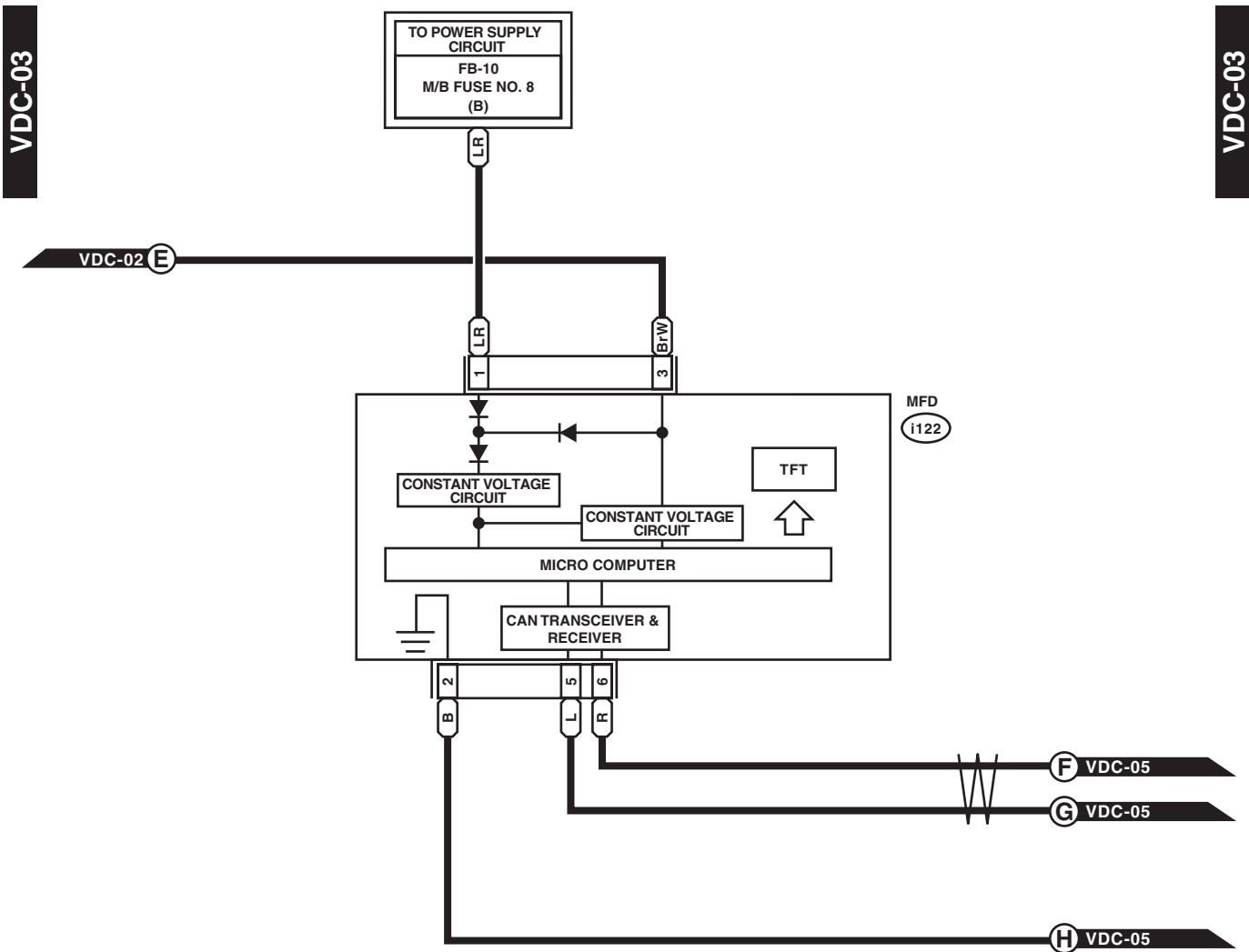
1	2	3	4	5
6	7	8	9	10
11	12			

i10

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

Vehicle Dynamics Control System

WIRING SYSTEM



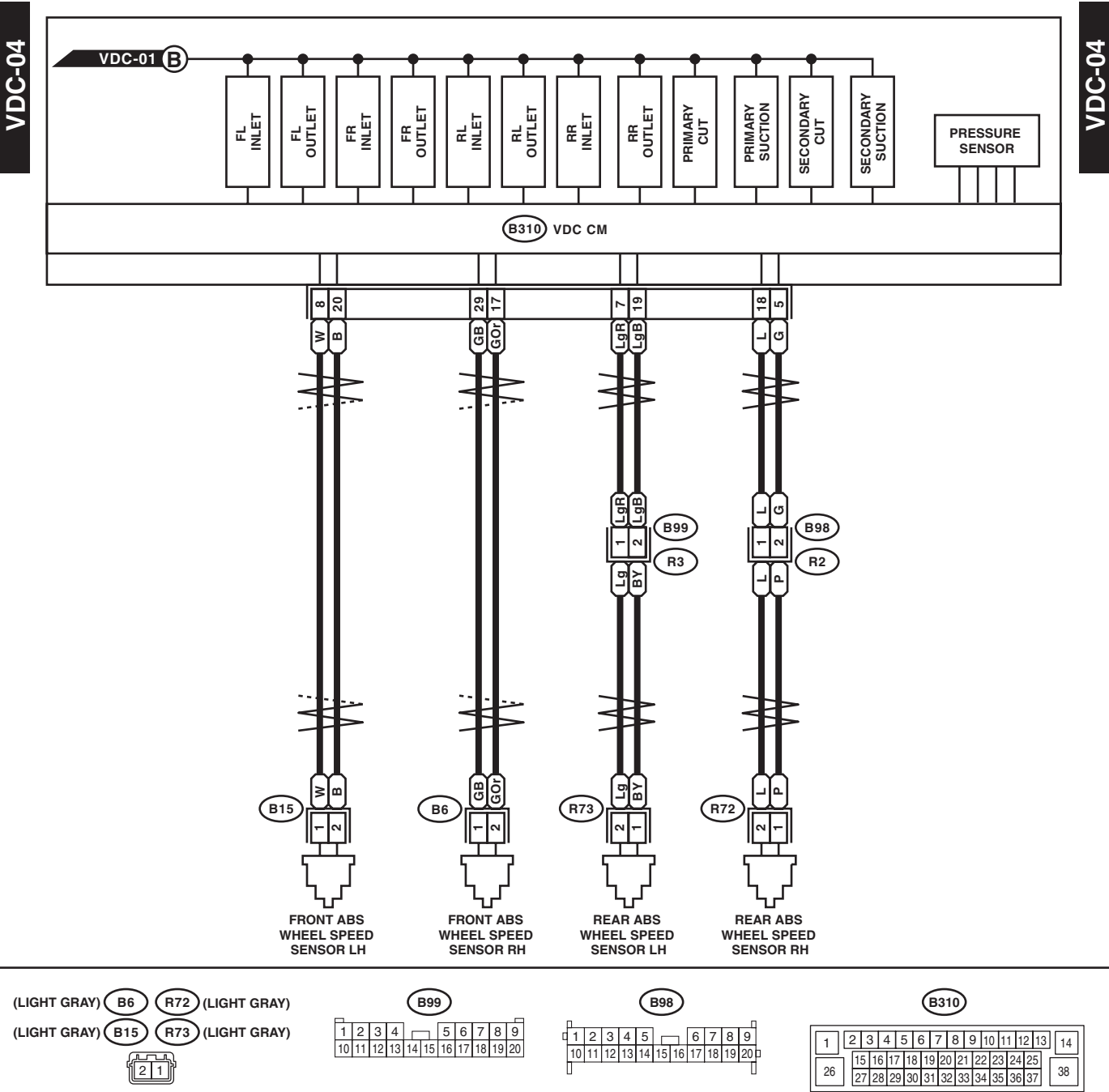
i122 (BLACK)

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

WI-34263

Vehicle Dynamics Control System

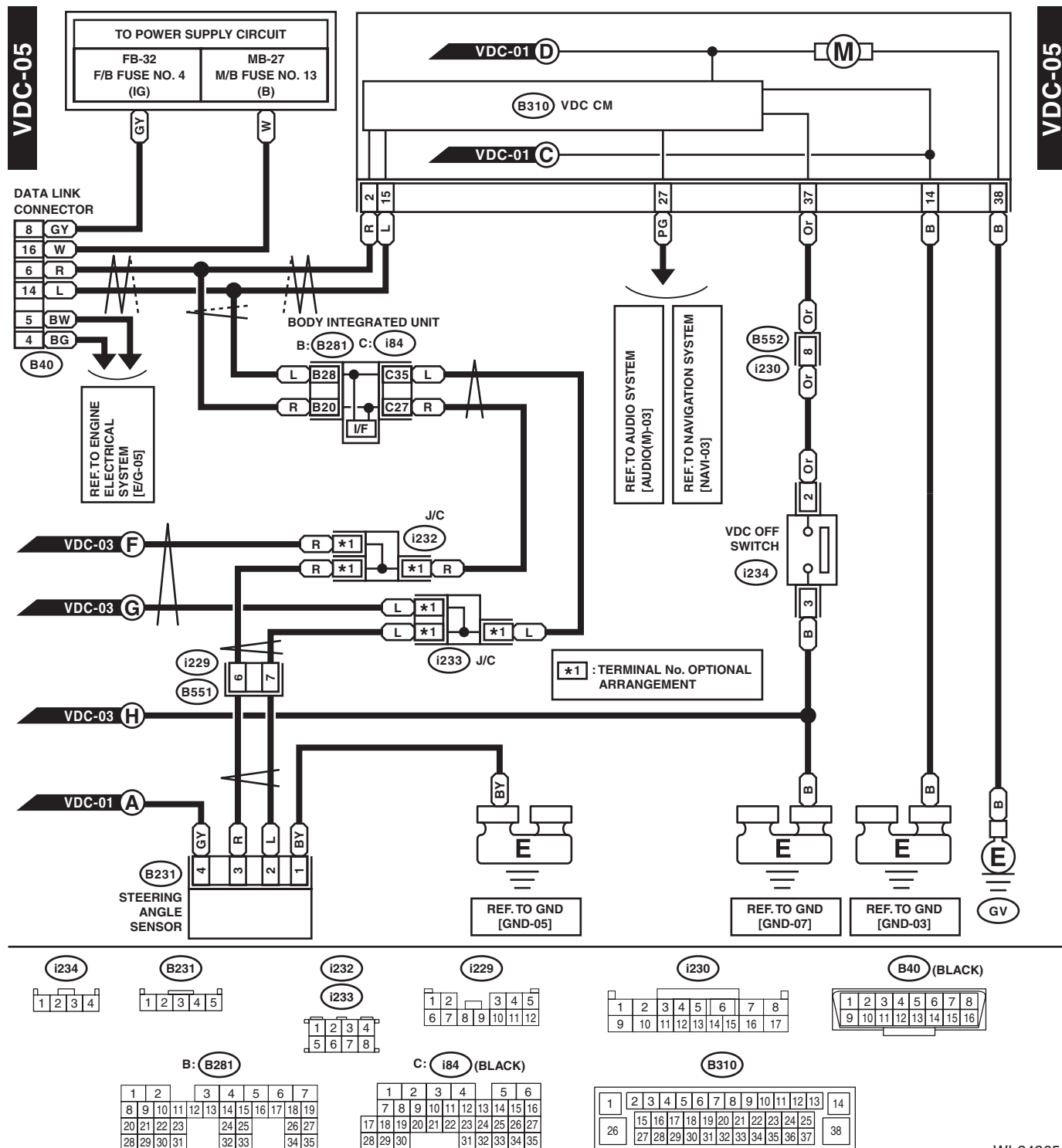
WIRING SYSTEM



WI-34264

Vehicle Dynamics Control System

WIRING SYSTEM



WI-34265

A: WIRING DIAGRAM



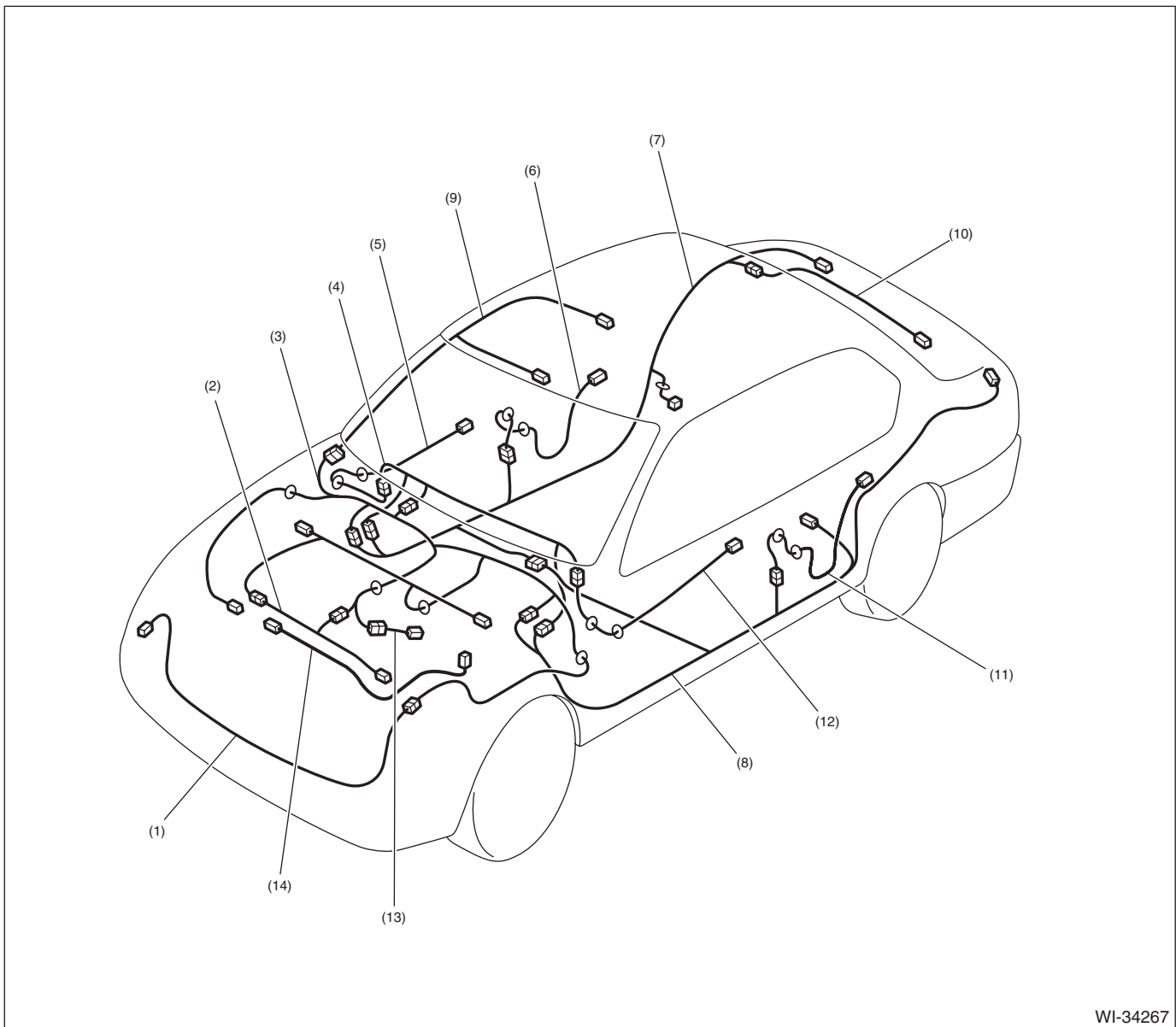
Harness Components Location

WIRING SYSTEM

53.Harness Components Location

A: LOCATION

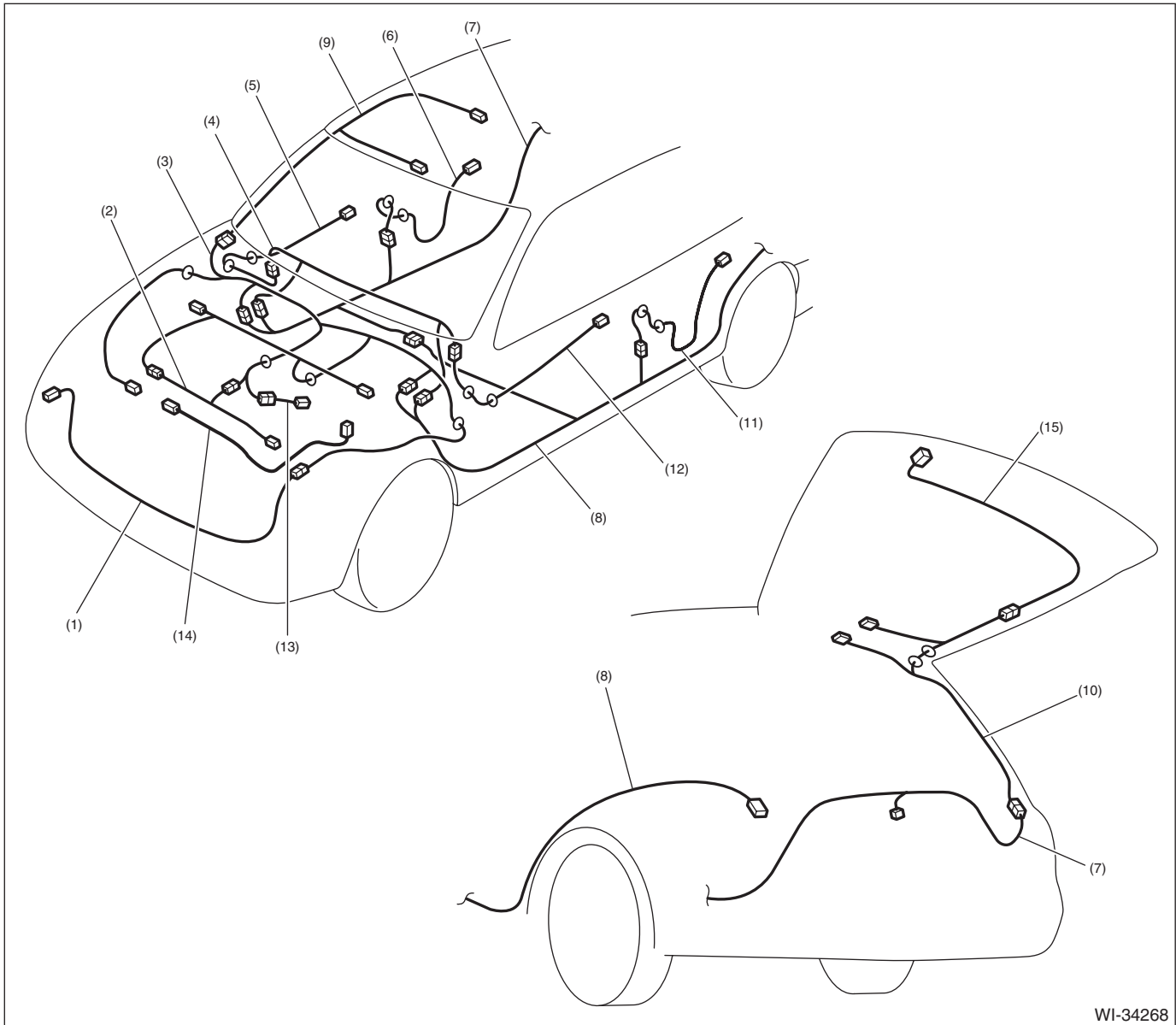
1. 4 DOOR MODEL



WI-34267

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

2. 5 DOOR MODEL



WI-34268

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

Front Wiring Harness

WIRING SYSTEM

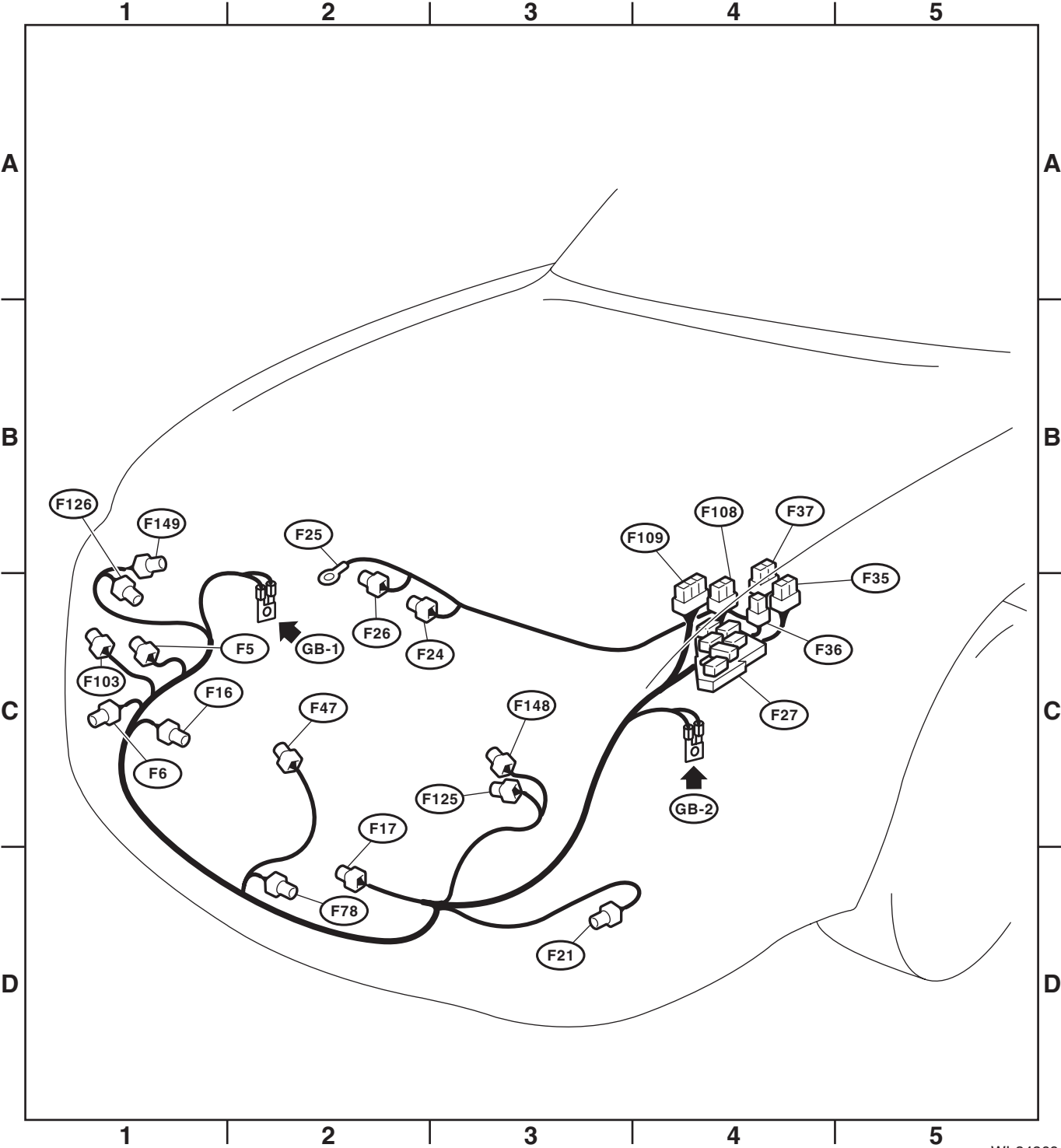
54.Front Wiring Harness

A: LOCATION

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
F5	1	Black	C-1		Horn
F6	2	★	C-1		Front fog light RH
F16	2	★	C-1		Sub fan motor
F17	2	★	D-2		Main fan motor
F21	2	★	D-4		Front fog light LH
F24	1	★	C-3		Magnet clutch
F25	1	★	B-2		Generator terminal B
F26	3	★	B-2		Generator
F27	26	★	C-4		Relay holder
F35	12	Blue	B-5		M/B
F36	7	★	C-5		
F37	20	★	B-5		
F47	1	Black	C-2		Horn
F78	2	Black	D-2		Ambient sensor
F103	2	Gray	C-1		Daytime running light resistor
F108	18	Gray	B-4	B361	Through joint connector
F109	24	★	B-4	B360	
F125	8	Light gray	C-3		Front combination light LH
F126	8	Light gray	C-1		Front combination light RH
F148	2	★	C-3		High beam LH
F149	2	★	B-1		High beam RH
★ : White or natural color					

Front Wiring Harness

WIRING SYSTEM



WI-34269

Bulkhead Wiring Harness (In Engine Compartment)

WIRING SYSTEM

55.Bulkhead Wiring Harness (In Engine Compartment)

A: LOCATION

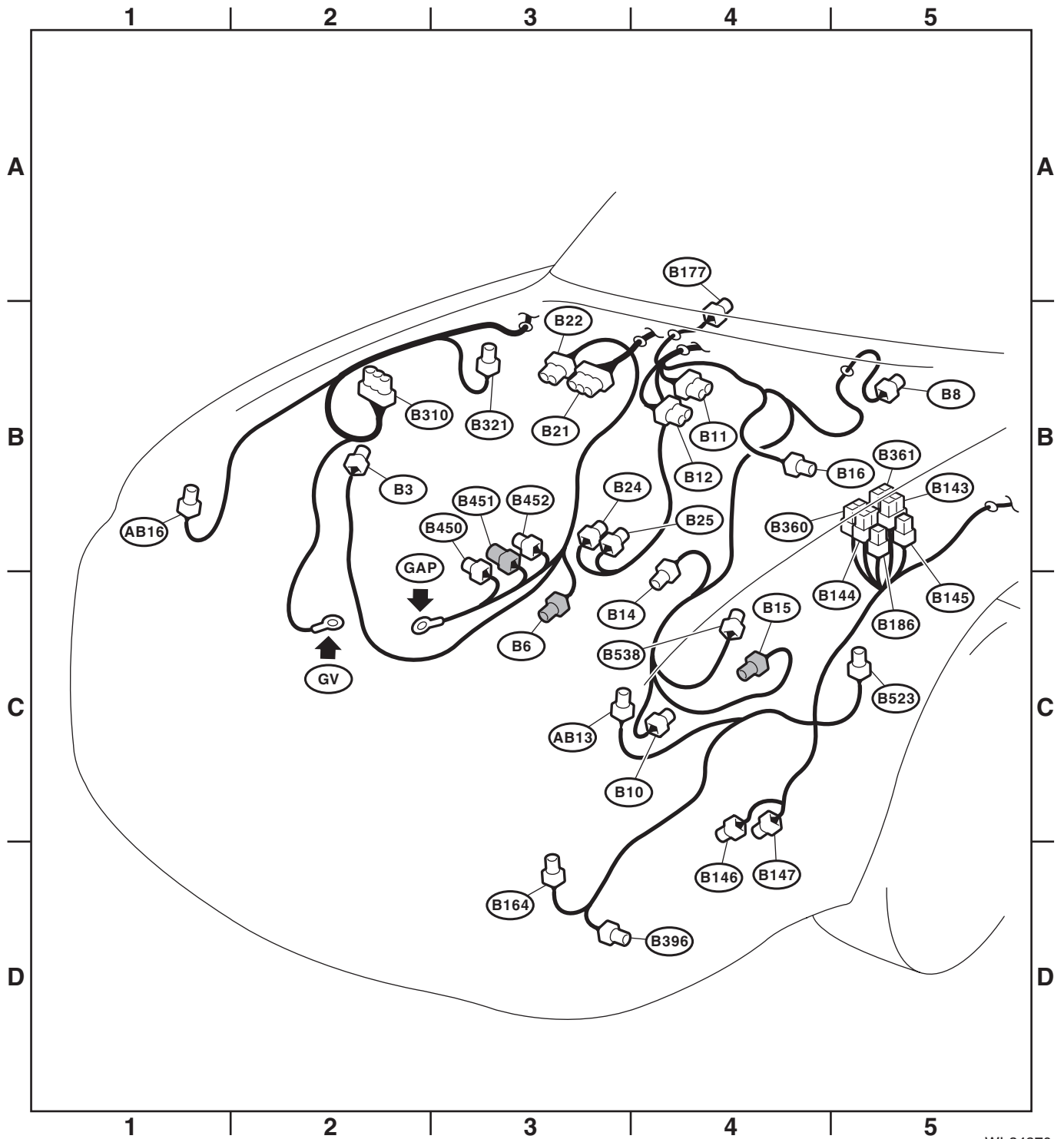
Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
B3	5	Black	B-2		Mass air flow and intake air temperature sensor
B6	2	Light gray	C-3		Front ABS wheel speed sensor RH
B8	5	Light gray	B-5		Front wiper motor
B10	4	Light gray	C-4		Pressure switch
B11	12	Light gray	B-4	T4	Transmission cord (CVT model)
B12	16	Brown	B-4	T3	
B14	1	Black	C-4		Starter motor
B15	2	Light gray	C-4		Front ABS wheel speed sensor LH
B16	2	Gray	B-4		Brake fluid level switch
B21	54	Black	B-3	E2	Engine wiring harness
B22	16	Brown	B-3		
B24	2	Gray	B-3	T1	Back-up light switch (MT model)
B25	2	Brown	B-3	T2	Neutral position switch 1
B143	20	★	B-5		M/B
B144	9	Brown	B-5		
B145	7	Brown	B-5		
B146	2	Dark gray	C-4		Front washer motor
B147	2	Dark gray	C-4		Rear washer motor
B164	2	Black	D-3		Keyless buzzer
B177	2	Gray	B-4		Wiper deicer
B186	8	★	B-5		M/B
B310	38	★	B-2		VDC CM
B321	2	Black	B-3		Hood switch
B360	16	Gray	B-4	F109	Through joint connector
B361	14	★	B-4	F108	
B396	2	Brown	D-3		Washer fluid level sensor
B450	10	Black	C-3		Power steering CM
B451	6	Gray	B-3		Torque sensor
B452	2	Black	B-3		Power steering CM
B523	2	Light gray	C-5		Battery temperature sensor
B538	3	Black	C-4		Battery current sensor

★ : 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-34270

Bulkhead Wiring Harness (In Compartment)

WIRING SYSTEM

56.Bulkhead Wiring Harness (In Compartment)

A: LOCATION

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
B27	4	★	B-4		Blower Resistor (Manual A/C)
B30	8	Black	C-5		Front door cord RH
B31	10	Gray	C-1	AB1	Airbag wiring harness
B32	8	★	B-2		Turn signal and hazard unit
B40	16	Black	C-1		Data link connector
B41	2	★	C-2		Power window circuit breaker
B52	24	★	D-1		F/B
B54	26	Green	B-2		TCM
B55	22	Green	B-2		
B57	4	★	B-4		Power transistor (Auto A/C)
B65	4	★	B-2		Stop light and brake switch
B68	14	★	B-3		Roll connector
B70	10	★	B-3		Combination switch
B71	20	★	B-3		
B72	6	★	C-3		Ignition switch
B75	2	Green	C-4	B76	Delivery (test) mode connector
B76	2	Green	C-4	B75	
B77	6	★	C-4		Mode door actuator (Auto A/C)
B83	8	★	B-4		J/C
B87	2	★	B-5		Blower motor
B88	2	Brown	C-4		Evaporator sensor (Auto A/C)
	3	★	C-4		Evaporator sensor (Manual A/C)
B89	2	Black	B-5		Blower diode
B90	17	★	B-5	R50	Roof cord
B97	20	★	C-5	R1	Rear wiring harness RH
B98	20	★	C-5	R2	
B99	20	★	D-1	R3	Rear wiring harness LH
B101	8	Black	C-1		Front door cord LH
B106	2	★	C-3		Clutch start switch
B107	2	Blue	C-3		Clutch switch
B116	8	★	C-4		AT select lever
B122	8	★	B-5		J/C
B123	2	Black	C-1	B124	Key lock
B124	2	Black	C-1	B123	
B134	34	★	C-4		ECM
B135	35	★	C-5		
B136	35	★	C-5		
B137	31	★	C-5		
B150	24	★	C-1		Auto headlight beam leveler CM
B152	10	Gray	D-1		F/B
B158	8	★	D-1		
B159	9	Brown	D-2		
B162	2	★	D-2		
B163	6	Black	B-5		Intake door actuator
B180	4	★	C-2		Remote engine start CM

Bulkhead Wiring Harness (In Compartment)

WIRING SYSTEM

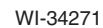
Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
B181	2	★	C-2	B182	Bulkhead wiring harness
B182	2	★	C-2	B181	
B220	44	★	B-5		Relay holder
B225	44	★	C-2		
B231	5	★	B-3		Steering angle sensor
B235	6	★	C-4		Air mix door actuator LH (with left/right independent air conditioner)
B239	6	★	B-4		Air mix door actuator (without left/right independent air conditioner)
					Air mix door actuator RH (with left/right independent air conditioner)
B280	34	★	C-1		Body integrated unit
B281	35	★	C-2		
B315	6	Black	C-4		Accelerator pedal position sensor
B358	2	★	C-4		AT select lever illumination
B367	8	★	C-2		Impact sensor
B386	4	★	B-5		Blower motor relay
B415	7	Black	C-3		Immobilizer antenna
B475	4	★	D-1		Wiper relay unit
B550	20	★	D-2		Fuse holder
B551	12	★	C-2	i229	Instrument panel wiring harness LH
B552	17	★	C-2	i230	
B553	20	★	D-2	i231	
B555	2	★	C-3		Key warning switch
B556	2	★	C-4	AB65	Airbag wiring harness
B557	2	★	C-3		Key lock solenoid
B558	7	★	B-3		Combination switch
B559	5	★	B-3		Security CM
B583	12	★	B-5	i237	Instrument panel wiring harness RH
B584	20	★	B-5	i238	

★ : White or natural color

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
AB1	10	Gray	C-1	B31	Bulkhead wiring harness
AB2	4	Yellow	B-3	AB7	Driver's airbag module
AB6	30	Yellow	C-4		Airbag CM
AB9	4	Yellow	C-4		Passenger's airbag module
AB65	2	★	C-4	B556	Bulkhead wiring harness
AB66	2	Black	D-2		Driver's knee airbag module

★ : White or natural color

WIRING SYSTEM



57.Engine Wiring Harness and Transmission Cord

A: LOCATION

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
E2	54	Black	A-3	B21	Bulkhead wiring harness
E3	16	Brown	A-3	B22	
E4	2	Blue	B-4		Purge control solenoid valve
E5	2	Dark gray	B-2		Fuel injector No. 1
E6	2	Dark 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-3		Oil pressure switch
E14	2	Black	B-3		Knock sensor
E16	2	Dark gray	B-4		Fuel injector No. 2
E17	2	Dark gray	B-4		Fuel injector No. 4
E18	6	Dark gray	A-3		EGR control valve
E21	3	Black	A-3		Manifold absolute pressure sensor
E24	4	Light gray	B-1		Front oxygen (A/F) sensor
E25	4	Black	B-1		Rear oxygen 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	C-3		Intake camshaft position sensor LH
E36	3	Light gray	B-1		Intake camshaft position sensor RH
E37	2	Black	C-3		Intake oil control solenoid LH
E38	2	Black	B-1		Intake oil control solenoid RH
E51	5	Light gray	B-4		Tumble generator valve actuator LH
E55	5	Light gray	A-2		Tumble generator valve actuator RH
E57	6	Black	A-3		Electronic throttle control
E62	3	Light gray	B-1		Exhaust camshaft position sensor RH
E63	3	Black	B-1		Exhaust oil control solenoid RH
E65	3	Light gray	B-3		Exhaust camshaft position sensor LH
E66	3	Black	C-3		Exhaust oil control solenoid LH
E75	2	Black	B-3		Engine oil temperature sensor
E130	1	★	B-3		Oil level switch

★ : White or natural color

Engine Wiring Harness and Transmission Cord

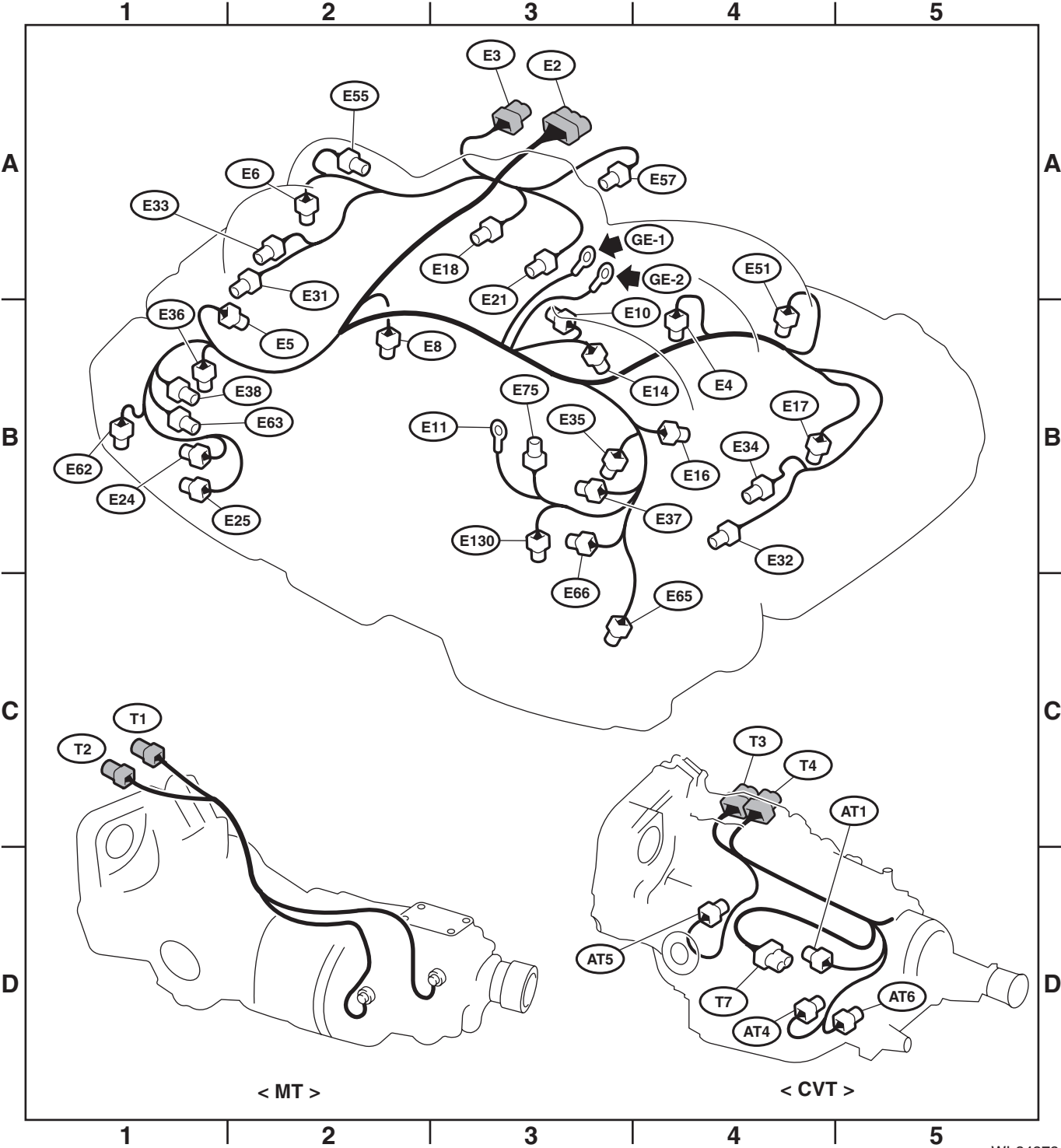
WIRING SYSTEM

• MT model

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
T1	2	Gray	C-1	B24	Bulkhead wiring harness
T2	2	Brown	C-1	B25	

• CVT model

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
T3	16	Brown	D-4	B12	Bulkhead wiring harness
T4	12	Light gray	D-4	B11	
T7	9	Black	D-4		Inhibitor switch
AT1	3	Black	D-4		Primary speed sensor
AT4	3	Dark gray	D-5		Secondary speed sensor
AT5	3	Light gray	D-5		Turbine speed sensor
AT6	3	Black	D-4		Secondary pressure sensor



WI-34272

Instrument Panel Wiring Harness

WIRING SYSTEM

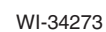
58.Instrument Panel Wiring Harness

A: LOCATION

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
i2	10	★	D-1	R339	Rear wiring harness LH
i5	20	★	C-1		F/B
i10	40	★	B-3		Combination meter
i15	6	★	C-4		Blower fan switch (Manual A/C)
i16	16	★	B-4		A/C control panel (Manual A/C)
i22	4	★	B-4		Hazard switch
i23	2	★	B-5		Glove box light
i24	2	★	C-4		Front accessory power supply socket
i29	1	★	B-4		Audio bracket ground
i50	10	★	B-4		Navigation unit
i51	2	★	B-3		Sunload sensor
i53	24	★	B-5	R98	Rear wiring harness RH
i55	2	★	C-3		In-vehicle sensor
i76	28	★	B-5	D83	Front door cord RH
i79	6	★	C-1		Illumination control switch
i84	35	Black	C-1		Body integrated unit
i85	20	★	C-4		Audio
i86	8	Black	B-4		Audio (without handsfree microphone)
	16	★	B-4		Audio (with handsfree microphone)
i87	28	★	B-4		Navigation unit
i88	40	★	C-4		A/C control panel (Auto A/C)
i101	28	★	C-1	D84	Front door cord LH
i102	24	★	D-1	R167	Rear wiring harness LH
i122	12	Black	B-4		MFD
i131	16	★	B-4		J/C
i147	6	★	B-4		
i158	4	★	B-1		
i159	4	★	A-5		
i166	4	★	B-1		
i167	4	★	B-1		Bulkhead wiring harness LH
i168	4	★	B-5		
i169	4	★	B-5		
i171	31	★	C-1		
i195	10	★	C-5	R382	Rear wiring harness RH
i226	3	★	A-4		Light control sensor
i229	12	★	C-2	B551	Bulkhead wiring harness LH
i230	17	★	C-2	B552	
i231	20	★	C-2	B553	
i232	8	★	B-3		J/C
i233	8	★	B-4		
i234	4	★	C-2		VDC OFF switch
i237	12	★	B-4	B583	Bulkhead wiring harness RH
i238	20	★	B-4	B584	

★ White or natural color

WIRING SYSTEM



Rear Wiring Harness

WIRING SYSTEM

59.Rear Wiring Harness

A: LOCATION

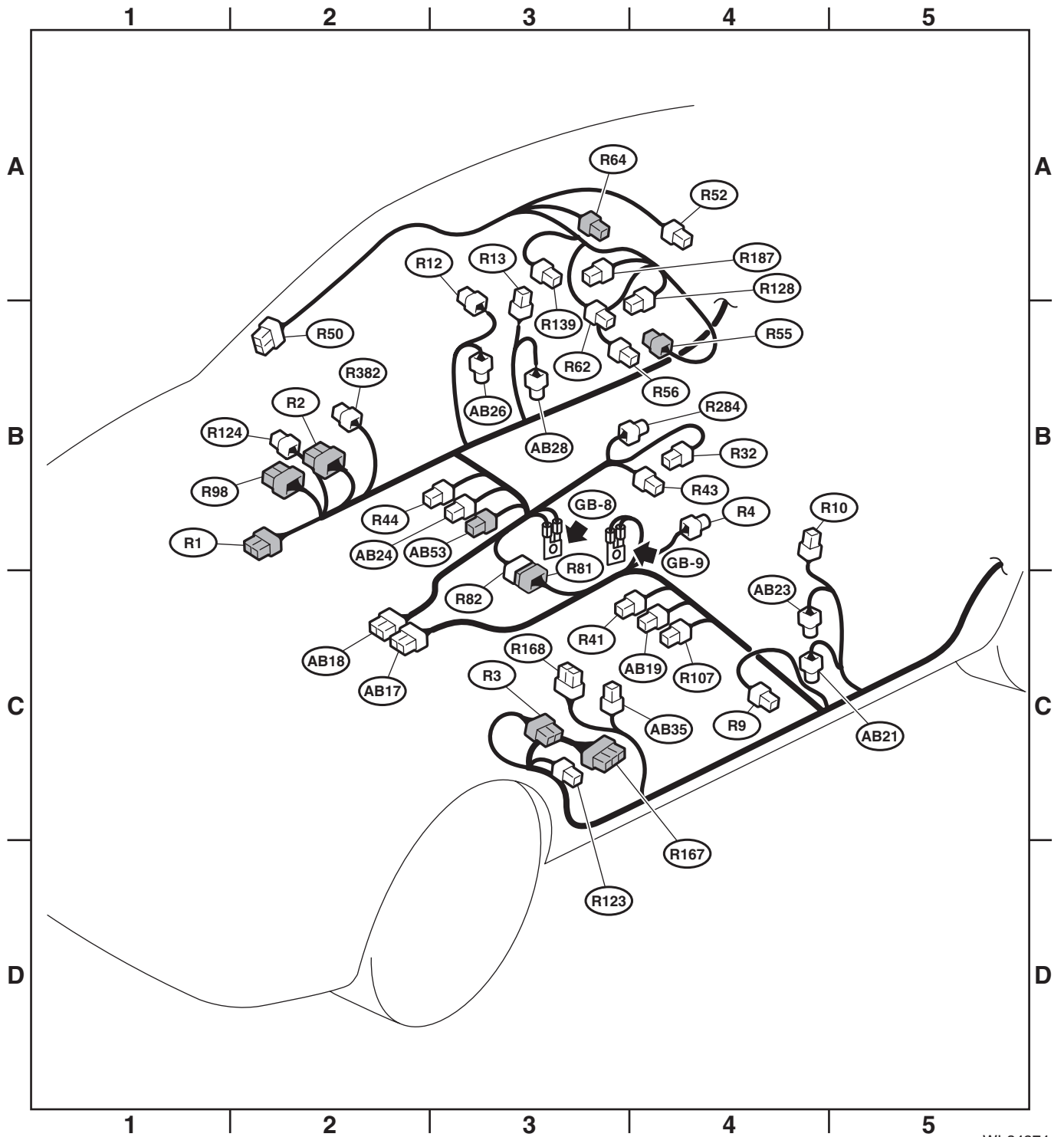
Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
R1	20	★	B-2	B97	Bulkhead wiring harness
R2	20	★	B-2	B98	
R3	20	★	C-3	B99	
R4	1	Black	B-4		Parking brake switch
R9	3	★	C-4		Front door switch LH
R10	8	★	B-4	D22	Rear door cord LH
R12	3	★	B-3		Front door switch RH
R13	8	★	B-3	D28	Rear door cord RH
R32	2	★	B-4		Rear accessory power supply socket
R41	4	★	C-4		Seat heater LH
R43	8	★	B-4		Seat heater switch
R44	4	★	B-3		Seat heater RH
R50	17	★	B-2	B90	Bulkhead wiring harness
R52	3	★	A-4		Room light
R55	8	★	B-4		Sunroof motor assembly
R56	2	★	B-3		Spot map light (with sunroof)
	6	★	B-3		Spot map light (without sunroof)
R62	6	★	B-3		Spot map light (with sunroof)
R64	3	★	A-3		Spot map light diode (with sunroof)
R81	19	Black	C-3	R82	Rear wiring harness RH
R82	19	Black	B-3	R81	Rear wiring harness LH
R98	24	★	B-2	i53	Instrument panel wiring harness
R107	2	★	C-4		Seat belt switch LH
R123	2	★	C-3	AB62	Front door cord LH
R124	2	★	B-2	AB63	Front door cord RH
R128	5	★	B-4		Sunroof switch
R139	3	★	A-3		Rear view mirror
R167	24	★	C-3	i102	Instrument panel wiring harness
R168	20	★	C-3		F/B
R187	5	Black	A-3		Sunroof switch (tilt)
R284	6	★	B-4		AUX input terminal
R382	10	★	B-2	i195	Instrument panel wiring harness

★ : White or natural color

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
AB17	15	Yellow	C-2		Airbag CM
AB18	15	Yellow	C-2		
AB19	4	Yellow	C-3		Side airbag module LH
AB21	2	Black	C-4		Pretensioner LH
AB23	4	Yellow	C-4		Side airbag sensor LH
AB24	4	Yellow	B-2		Side airbag module RH
AB26	2	Black	B-2		Pretensioner RH
AB28	4	Yellow	B-2		Side airbag sensor RH
AB35	2	Black	C-3		F/B
AB53	3	Dark gray	B-2		Occupant detection control module

Rear Wiring Harness

WIRING SYSTEM



WI-34274

Door Cord

WIRING SYSTEM

60.Door Cord

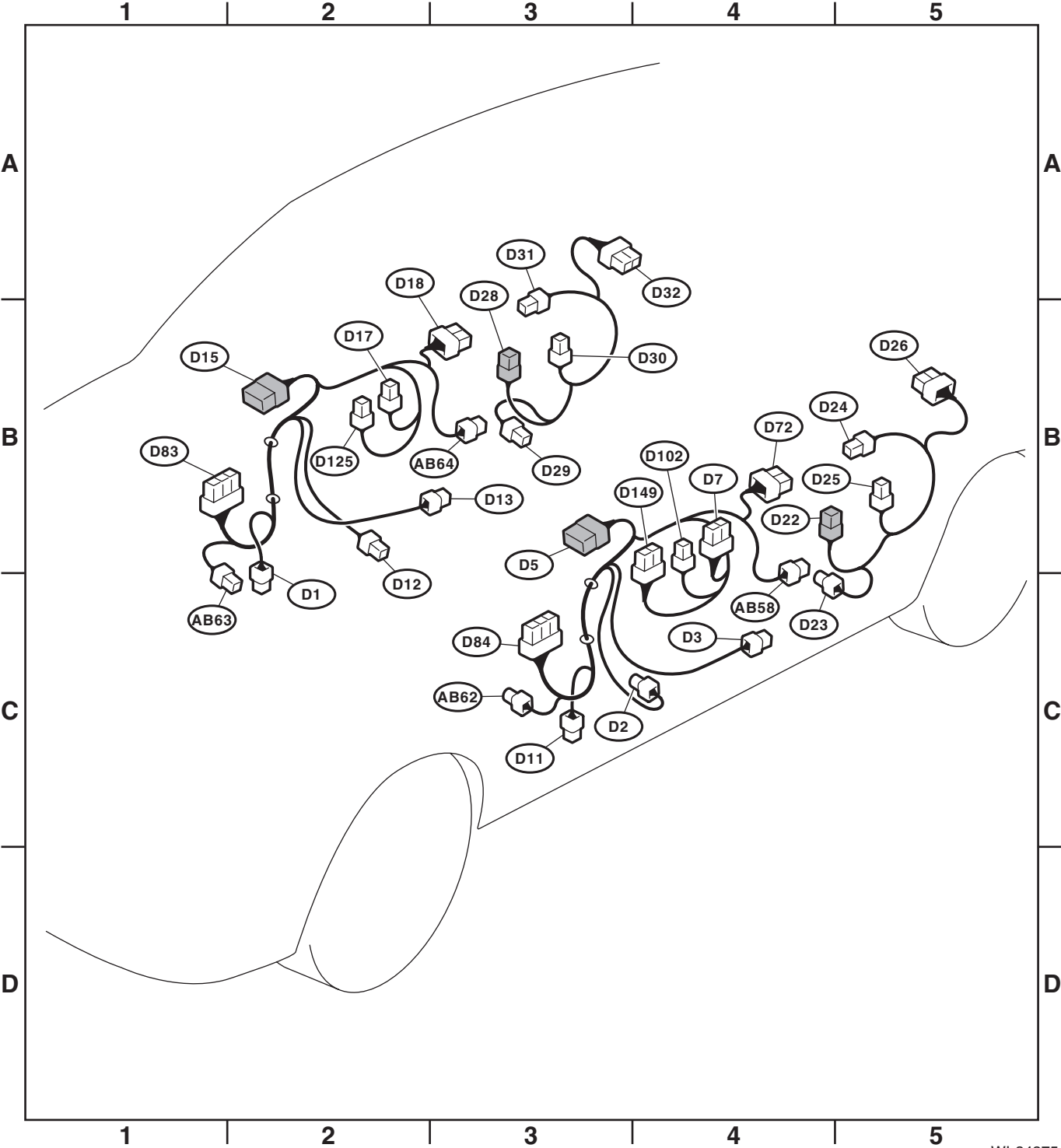
A: LOCATION

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
D1	8	Black	C-2	B30	Bulkhead wiring harness
D2	2	★	C-4		Front door speaker LH
D3	6	Dark gray	C-4		Front power window motor LH
D5	10	★	B-3		Outer mirror assembly LH
D7	16	★	B-4		Power window main switch
D11	8	Black	C-3	B101	Bulkhead wiring harness
D12	2	★	B-2		Front door speaker RH
D13	6	★	B-3		Front power window motor RH
D15	10	★	B-2		Outer mirror assembly RH
D17	8	★	B-2		Front power window sub-switch
D18	10	★	B-3		Front door lock actuator RH
D22	8	★	B-4	R10	Rear wiring harness LH
D23	2	★	C-4		Rear door speaker LH
D24	6	★	B-5		Rear power window motor LH
D25	8	★	B-5		Rear power window sub-switch LH
D26	10	★	B-5		Rear door lock actuator LH
D28	8	★	B-3	R13	Rear wiring harness RH
D29	2	★	B-3		Rear door speaker RH
D30	6	★	B-3		Rear power window motor RH
D31	8	★	B-3		Rear power window sub-switch RH
D32	10	★	A-3		Rear door lock actuator RH
D72	10	★	B-4		Front door lock actuator LH
D83	28	★	B-1	i76	Instrument panel wiring harness
D84	28	★	C-3	i101	
D102	3	★	B-4		Power window main switch
D125	5	★	B-2		Passenger's seat door lock switch
D149	16	★	B-4		Remote control mirror switch
★ : White or natural color					

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
AB58	2	Yellow	C-4		Front door impact sensor LH
AB62	2	Yellow	C-3	R123	Rear wiring harness LH
AB63	2	Yellow	C-1	R124	Rear wiring harness RH
AB64	2	Yellow	B-3		Front door impact sensor RH

Door Cord

WIRING SYSTEM



WI-34275

Rear Wiring Harness and Trunk Lid Cord

WIRING SYSTEM

61.Rear Wiring Harness and Trunk Lid Cord

A: LOCATION

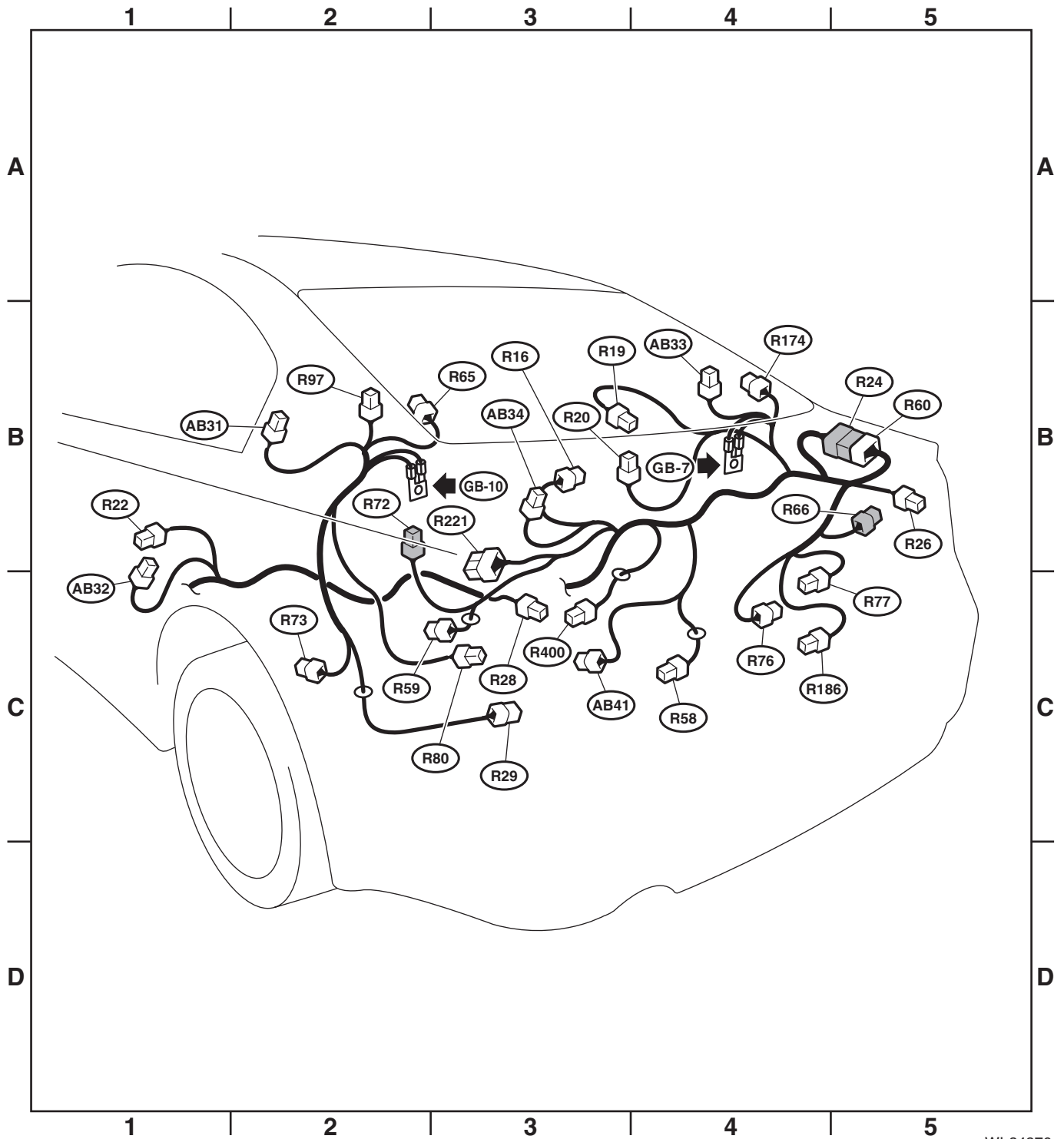
Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
R16	3	★	B-3		Rear door switch RH
R19	2	Blue	B-3		High-mounted stop light
R20	2	Black	B-4		Trunk room light
R22	3	★	B-1		Rear door switch LH
R24	12	★	B-5	R60	Trunk lid cord
R26	6	★	B-5		Rear combination light RH (4 door model)
		Gray			Rear combination light RH (5 door model)
R28	6	★	C-3		Rear combination light LH (4 door model)
		Gray			Rear combination light LH (5 door model)
R29	3	Black	C-3		Rear vehicle height sensor
R58	6	★	C-4		Fuel pump assembly
R59	2	★	C-3		Fuel sub level sensor
R60	12	★	B-5	R24	Rear wiring harness RH
R65	1	Black	B-2		Rear defogger
R66	2	★	B-5		High-mounted stop light (Rear spoiler)
R72	2	Light gray	B-2		Rear ABS wheel speed sensor RH
R73	2	Light gray	C-2		Rear ABS wheel speed sensor LH
R76	2	★	C-4		License plate light LH
R77	2	★	C-4		License plate light RH
R80	8	★	C-3		Keyless entry CM
R97	1	★	B-2		Antenna feeder cord
R174	1	★	B-4		Rear defogger
R186	3	★	C-4		Trunk lid lock actuator & switch
R221	12	★	C-3		TPMS & keyless entry CM
R400	8	Gray	C-3		ELCM

★ : White or natural color

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
AB31	2	Gray	B-2		Curtain airbag module LH
AB32	4	Yellow	B-1		Curtain airbag sensor LH
AB33	2	Black	B-4		Curtain airbag module RH
AB34	4	Yellow	B-3		Curtain airbag sensor RH
AB41	2	Yellow	C-3		Satellite safing sensor

Rear Wiring Harness and Trunk Lid Cord

WIRING SYSTEM



WI-34276

Rear Wiring Harness and Rear Gate Cord

WIRING SYSTEM

62.Rear Wiring Harness and Rear Gate Cord

A: LOCATION

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
R16	3	★	C-3		Rear door switch RH
R22	3	★	C-1		Rear door switch LH
R26	6	Gray	C-4		Rear combination light RH
R28	6	Gray	C-3		Rear combination light LH
R29	3	Black	D-2		Rear vehicle height sensor
R38	8	★	C-4	D34	Rear gate cord
R39	14	★	C-4	D35	
R58	6	★	C-3		Fuel pump assembly
R59	2	★	C-3		Fuel sub level sensor
R72	2	Light gray	C-3		Rear ABS wheel speed sensor RH
R73	2	Light gray	C-2		Rear ABS wheel speed sensor LH
R80	8	★	C-2		Keyless entry CM
R97	1	★	C-3		Antenna feeder cord
R141	2	Light gray	C-2		Luggage room light
R221	12	★	C-2		TPMS & keyless entry CM
R400	8	Gray	C-3		ELCM

★ : White or natural color

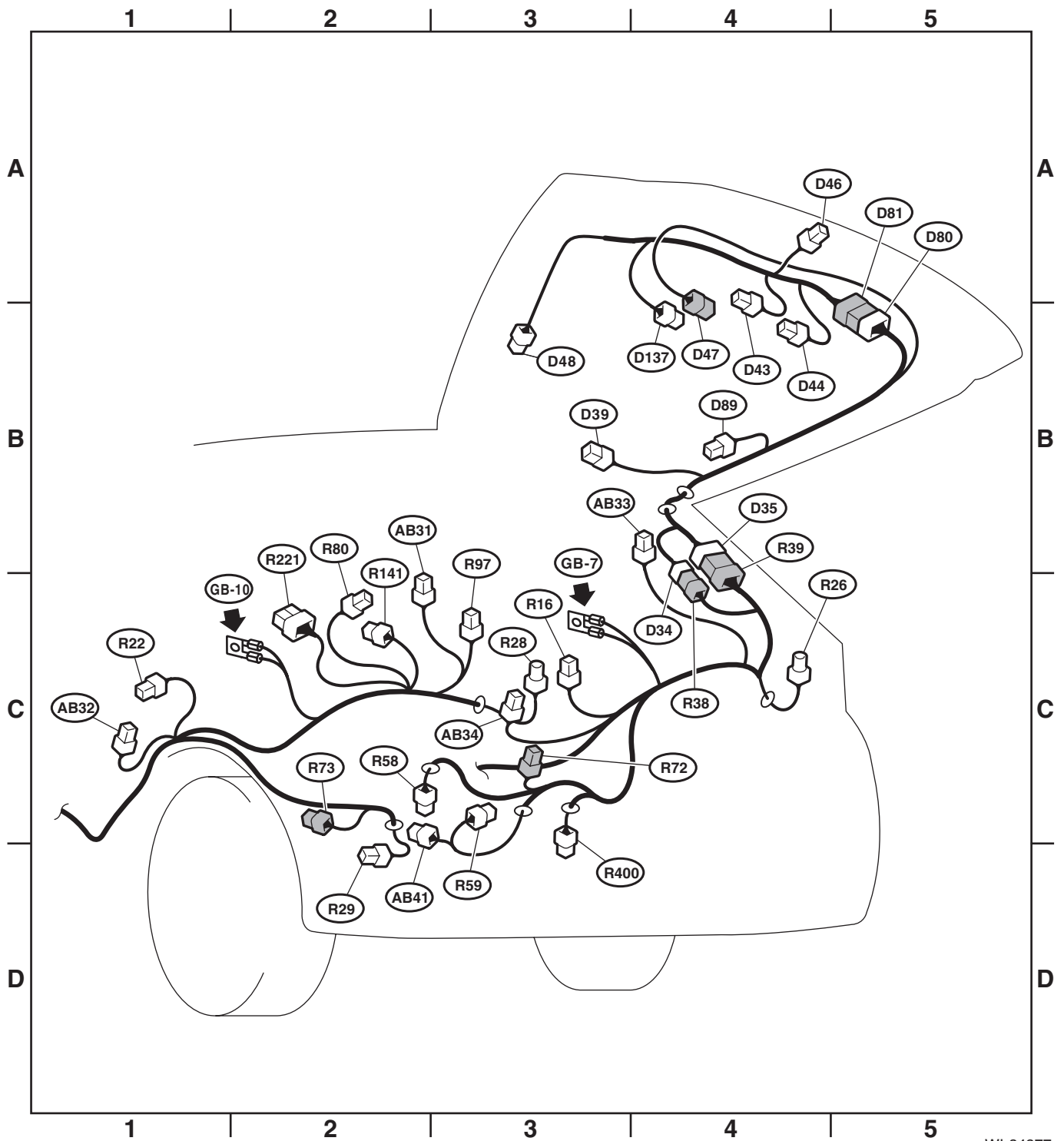
Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
D34	8	★	B-4	R38	Rear wiring harness RH
D35	14	Gray	B-4	R39	
D39	2	★	B-4		High-mounted stop light
D43	4	★	A-4		Rear wiper motor
D44	2	★	B-4		License plate light RH
D46	4	★	A-4		Rear gate lock actuator & latch switch
D47	2	Brown	A-4		Rear gate opener button
D48	1	Black	B-3		Rear defogger
D80	8	★	B-5	D81	Rear gate cord (LWR)
D81	8	★	B-5	D80	Rear gate cord (UPR)
D89	1	Black	B-4		Rear defogger
D137	2	★	B-4		License plate light LH

★ : White or natural color

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
AB31	2	Gray	C-2		Curtain airbag module LH
AB32	4	Yellow	C-1		Curtain airbag sensor LH
AB33	2	Black	C-4		Curtain airbag module RH
AB34	4	Yellow	C-3		Curtain airbag sensor RH
AB41	2	Yellow	C-2		Satellite safing sensor

Rear Wiring Harness and Rear Gate Cord

WIRING SYSTEM



WI-34277

Rear Wiring Harness and Rear Gate Cord

WIRING SYSTEM
