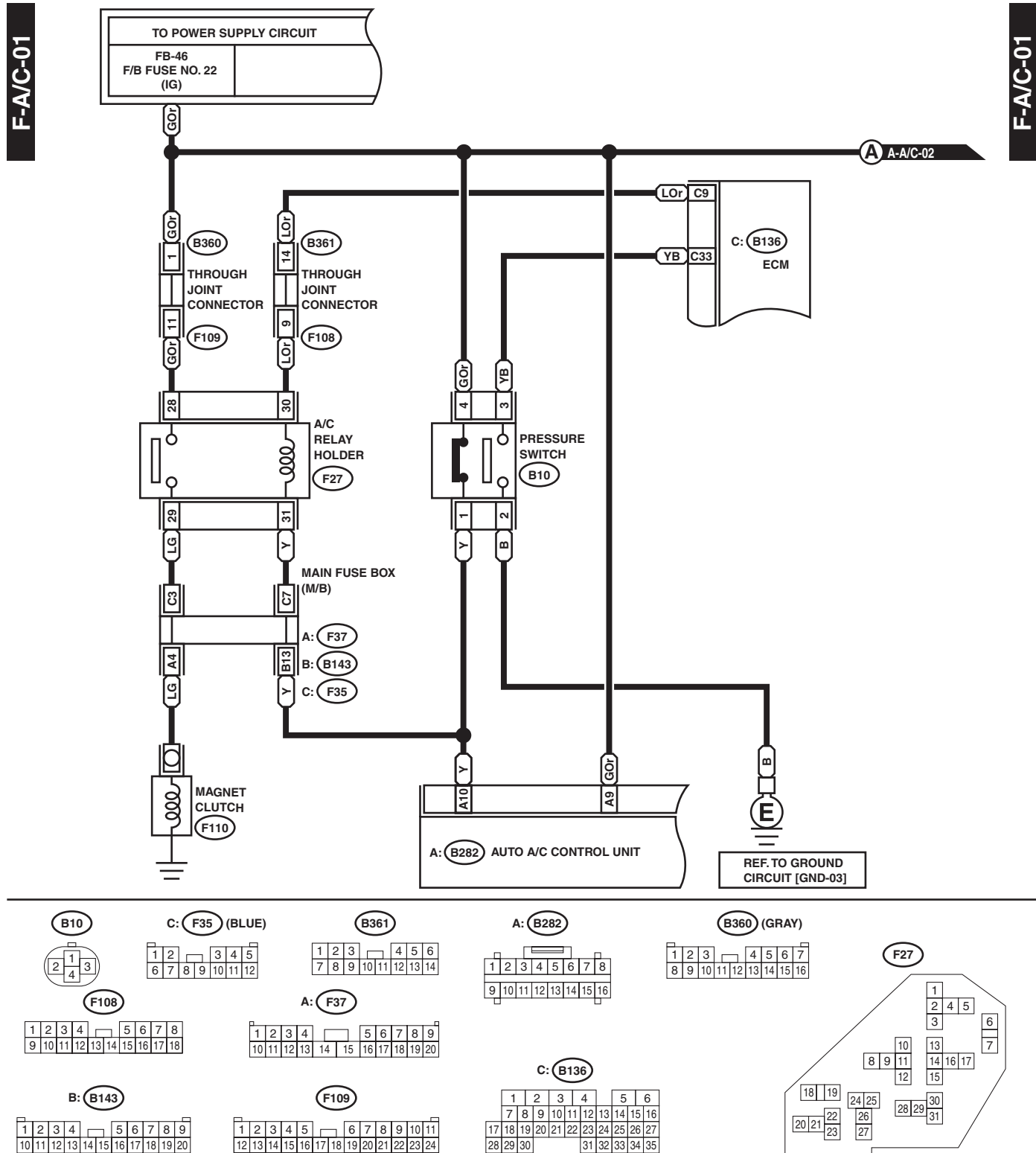


11. Air Conditioning System

A: WIRING DIAGRAM

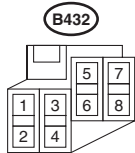
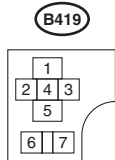
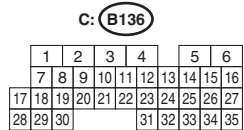
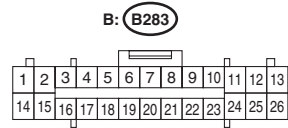
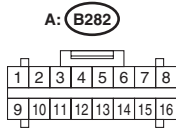
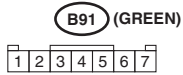
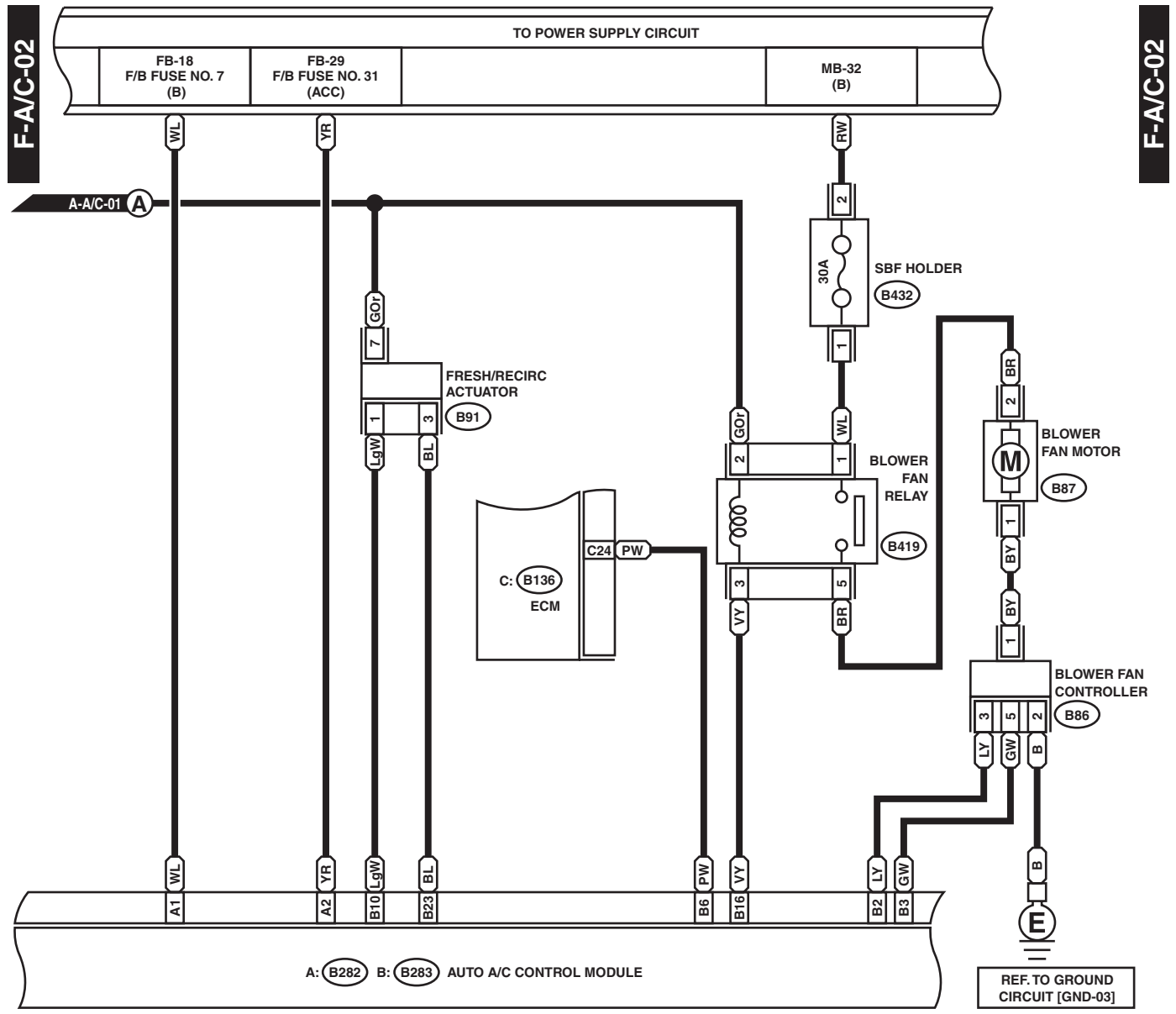
1. FRONT A/C



WI-08069

Air Conditioning System

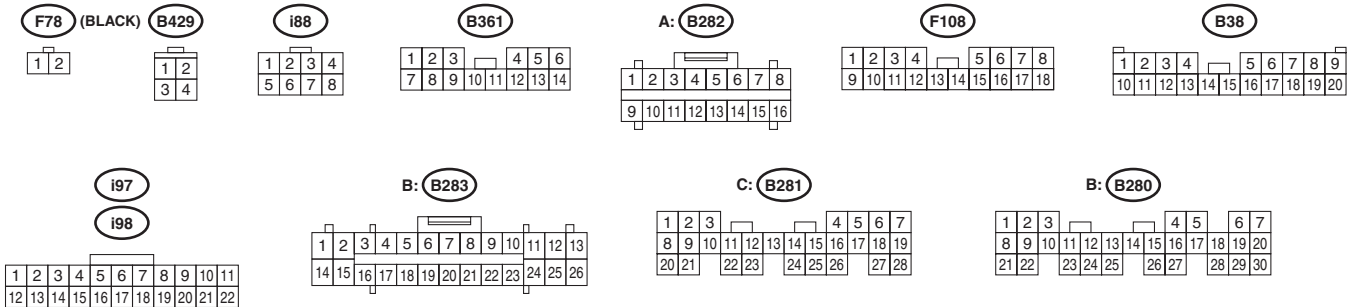
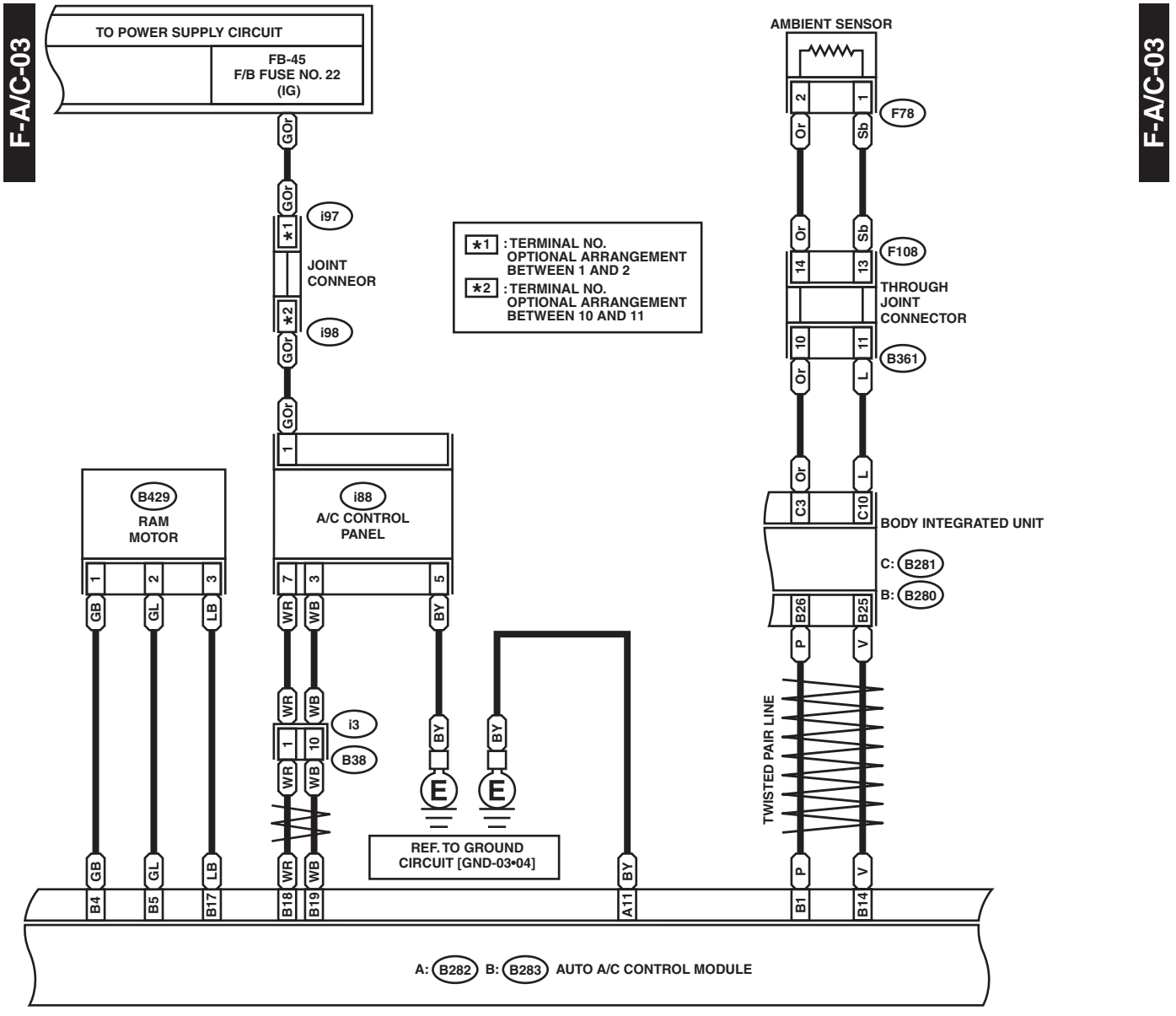
WIRING SYSTEM



WI-08070

Air Conditioning System

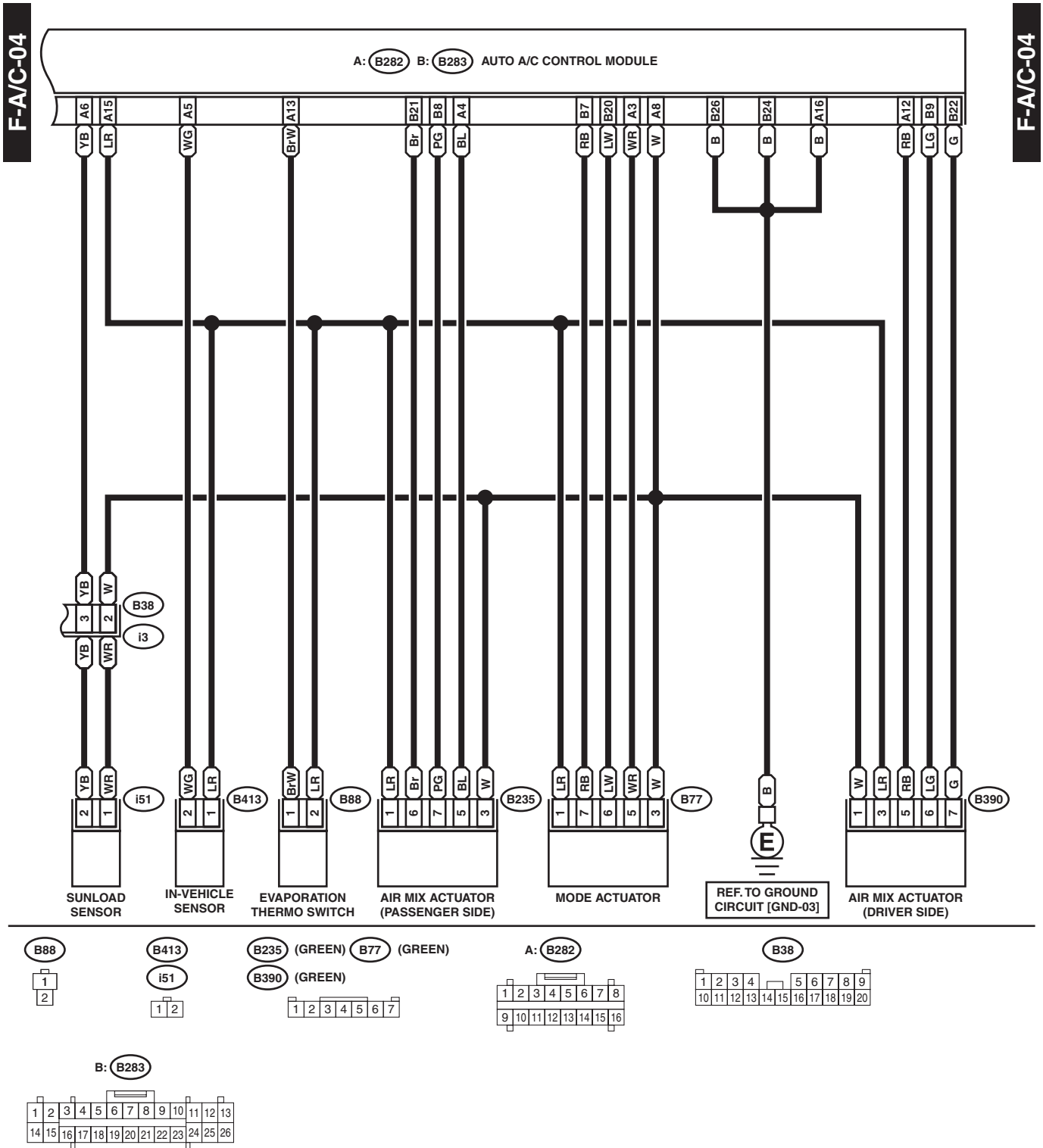
WIRING SYSTEM



WI-08071

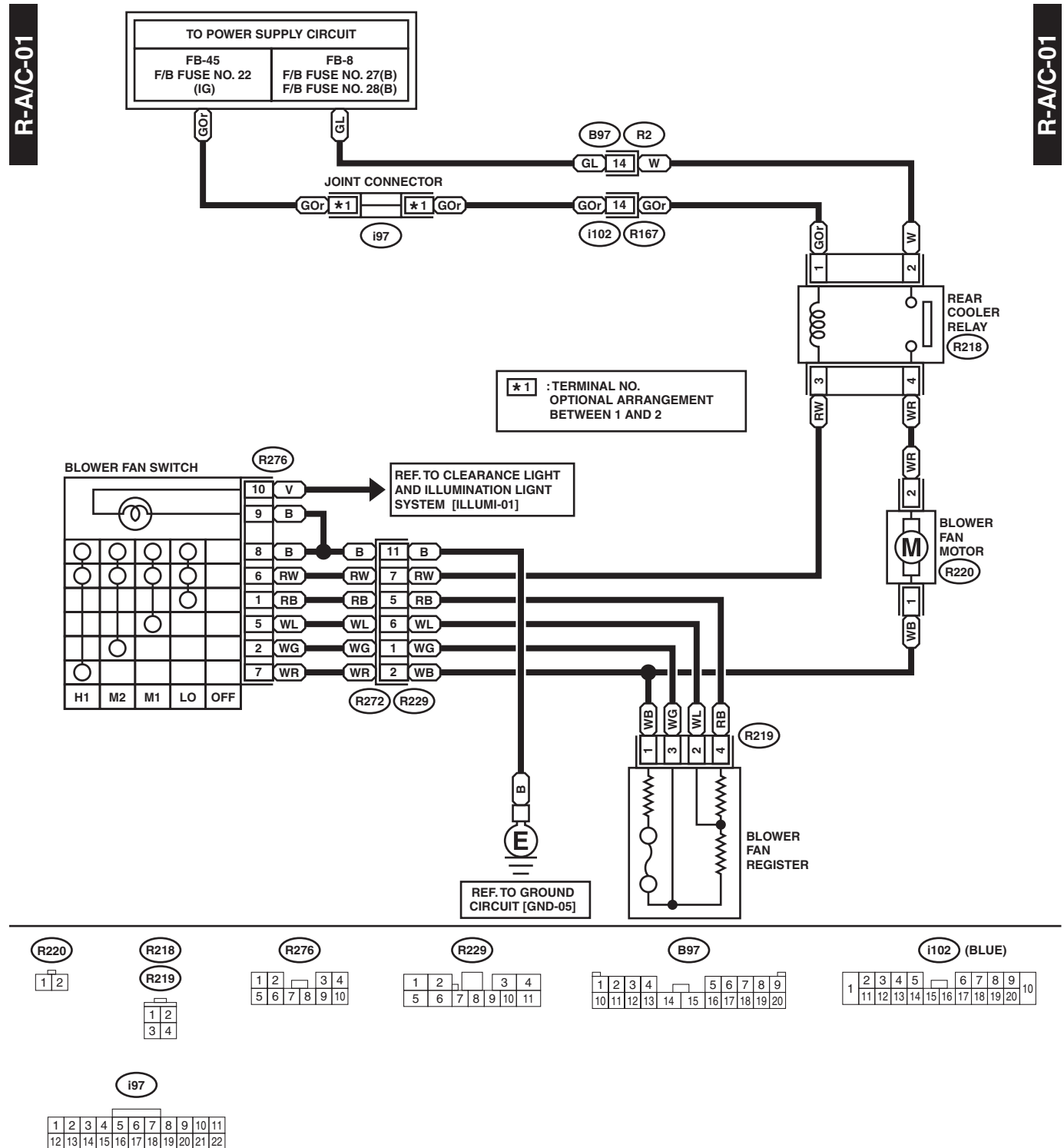
Air Conditioning System

WIRING SYSTEM



WI-08072

2. REAR A/C



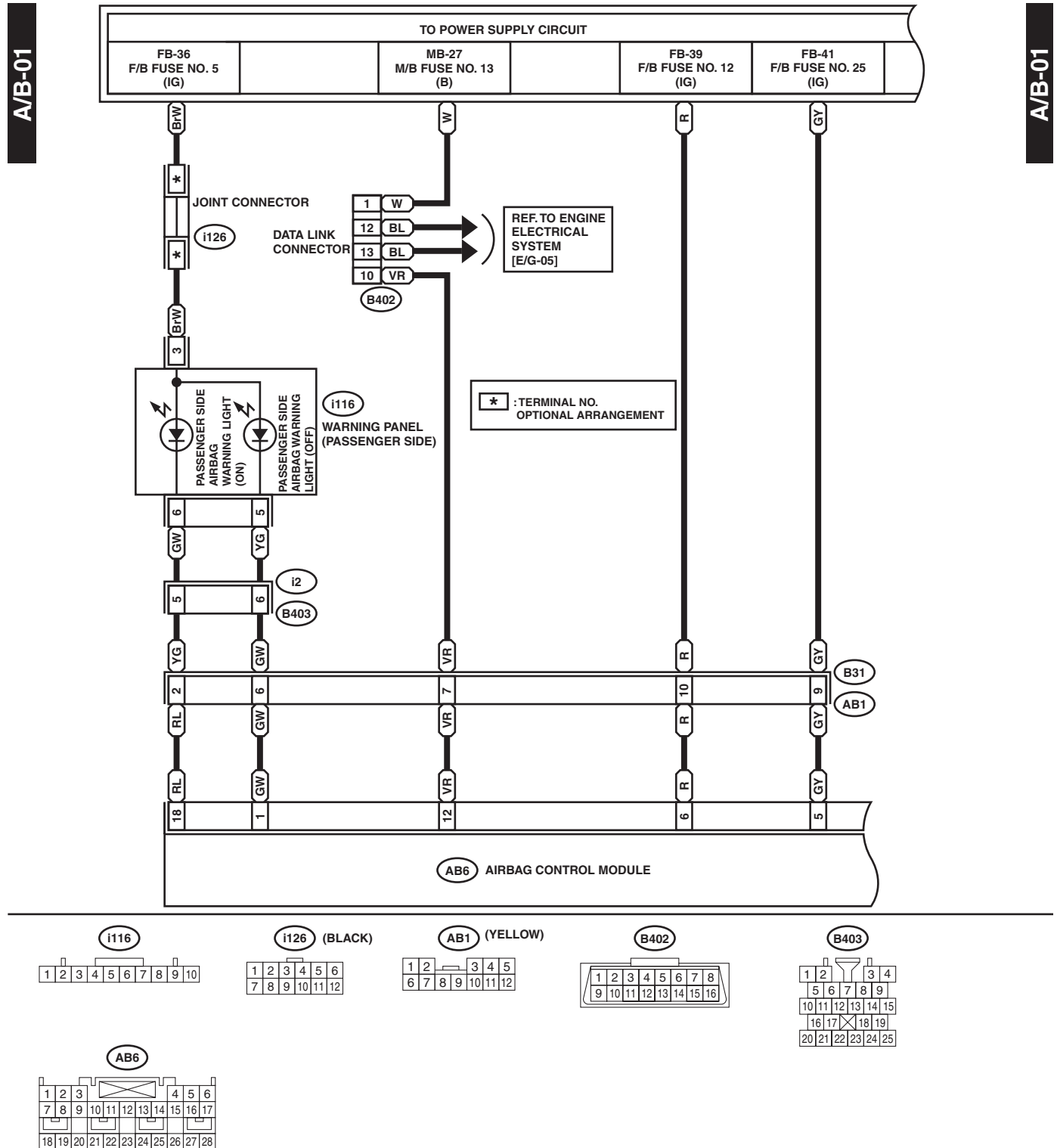
WI-08073

Airbag System

WIRING SYSTEM

12. Airbag System

A: WIRING DIAGRAM



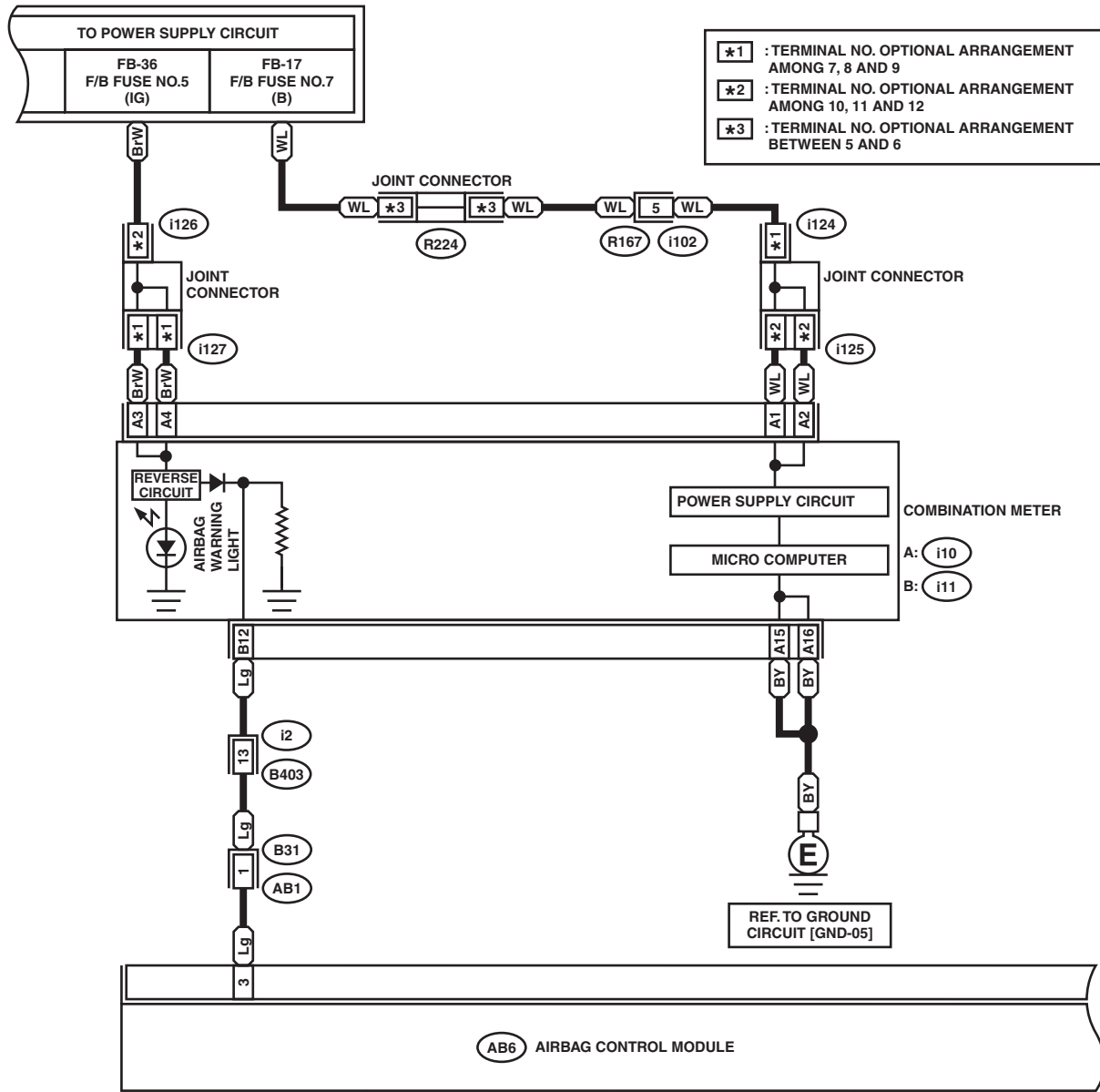
WI-08074

Airbag System

WIRING SYSTEM

AB-02

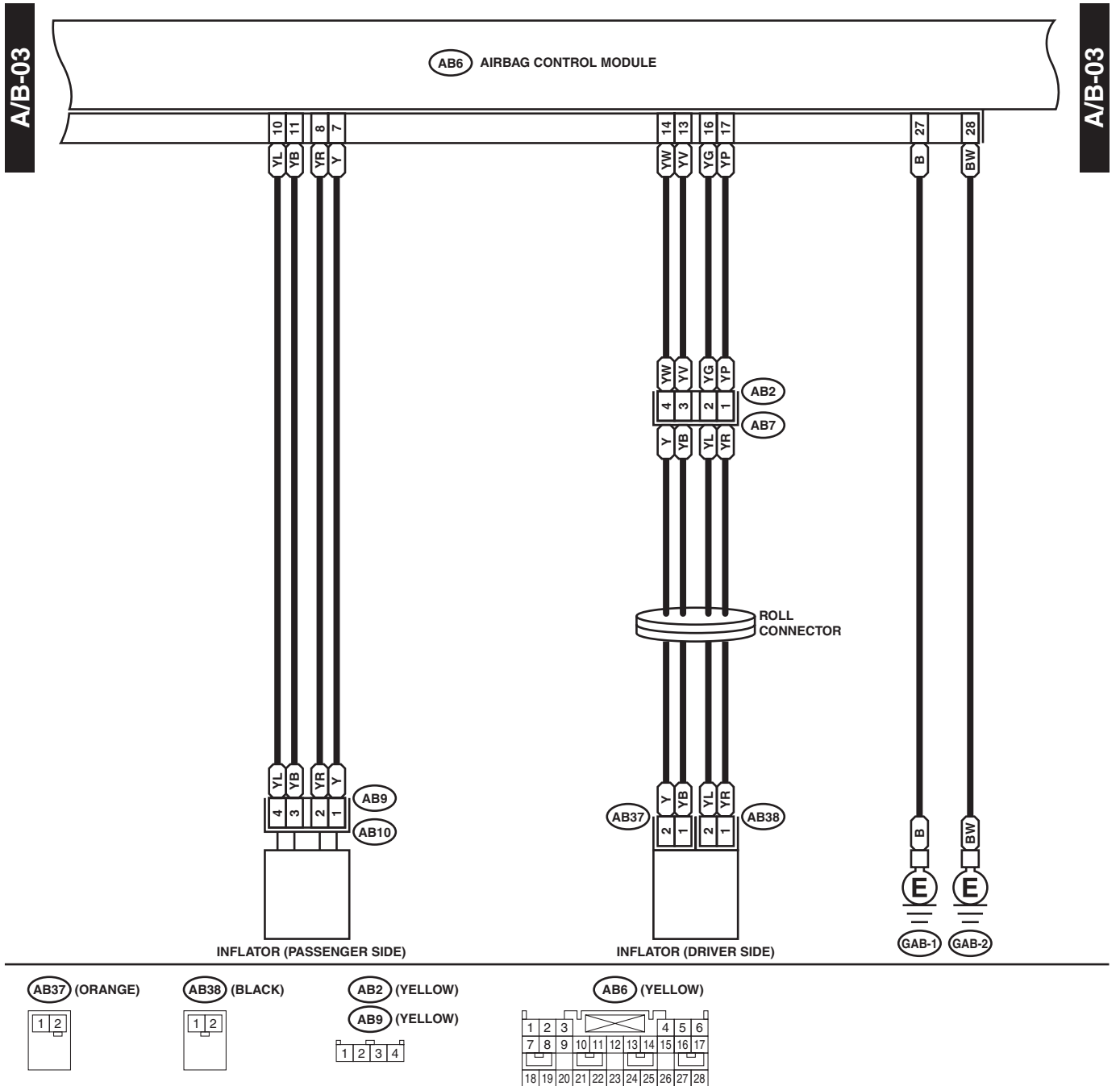
AB-02



WI-08075

Airbag System

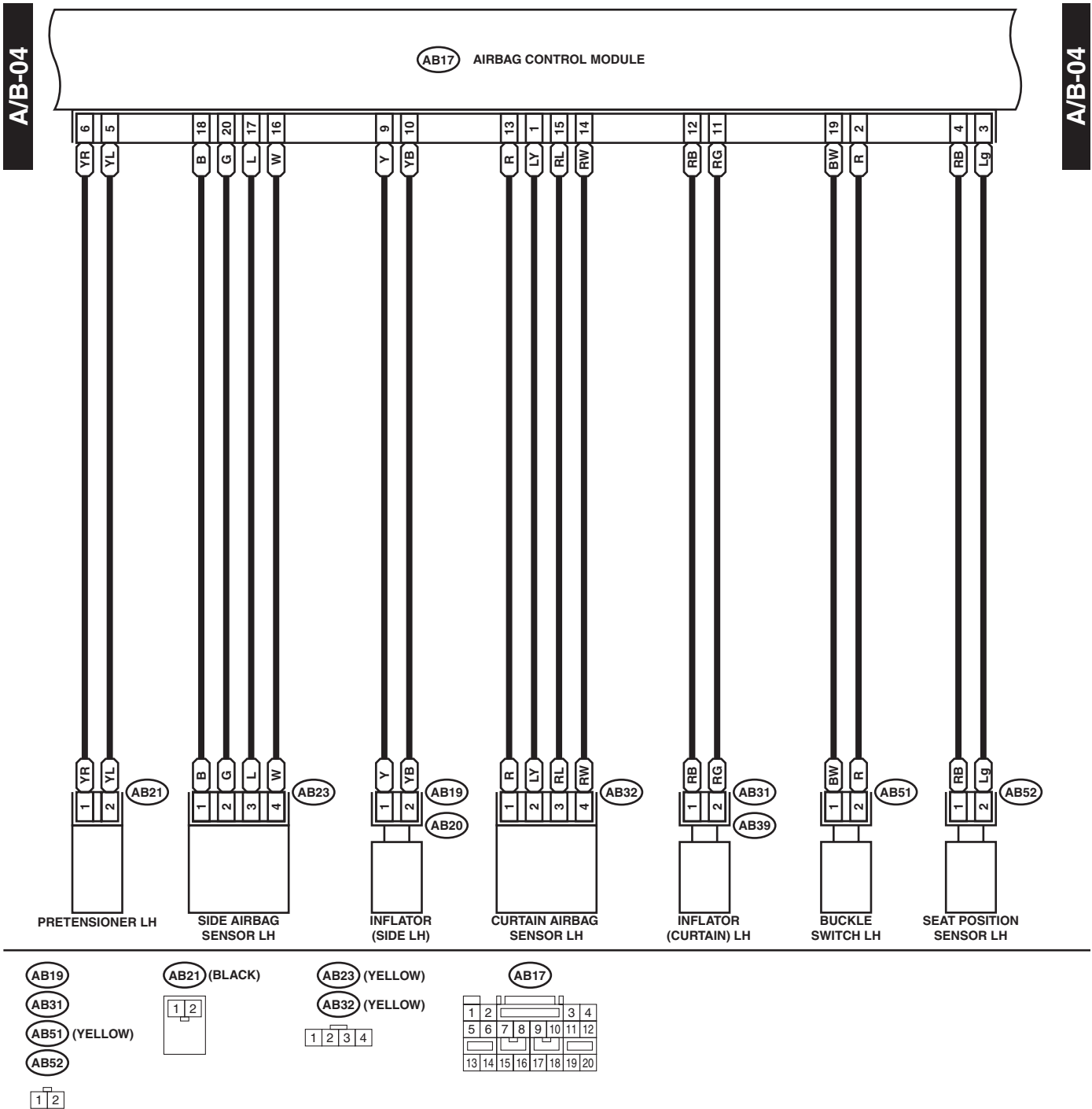
WIRING SYSTEM



WI-08076

Airbag System

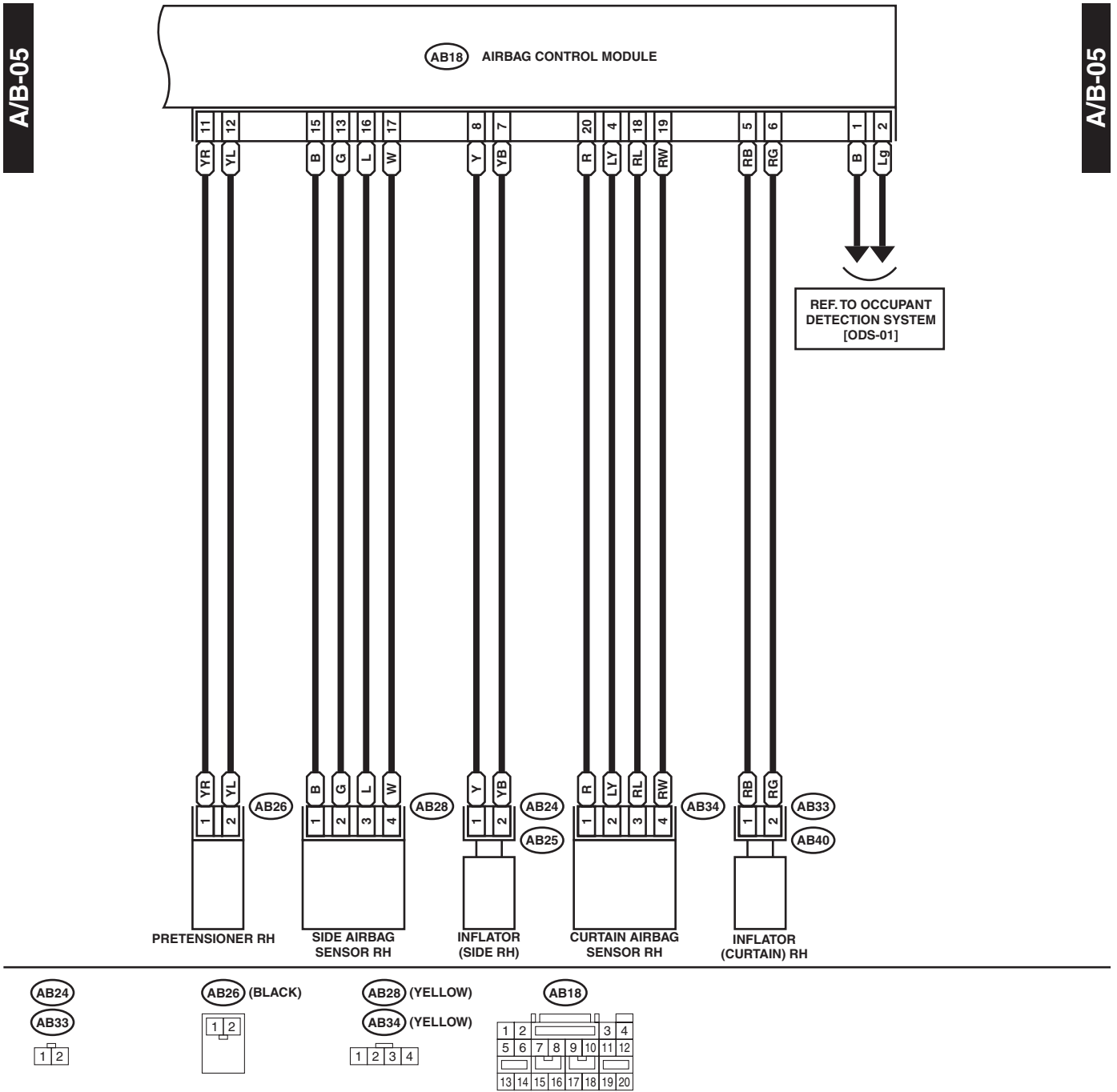
WIRING SYSTEM



WI-08077

Airbag System

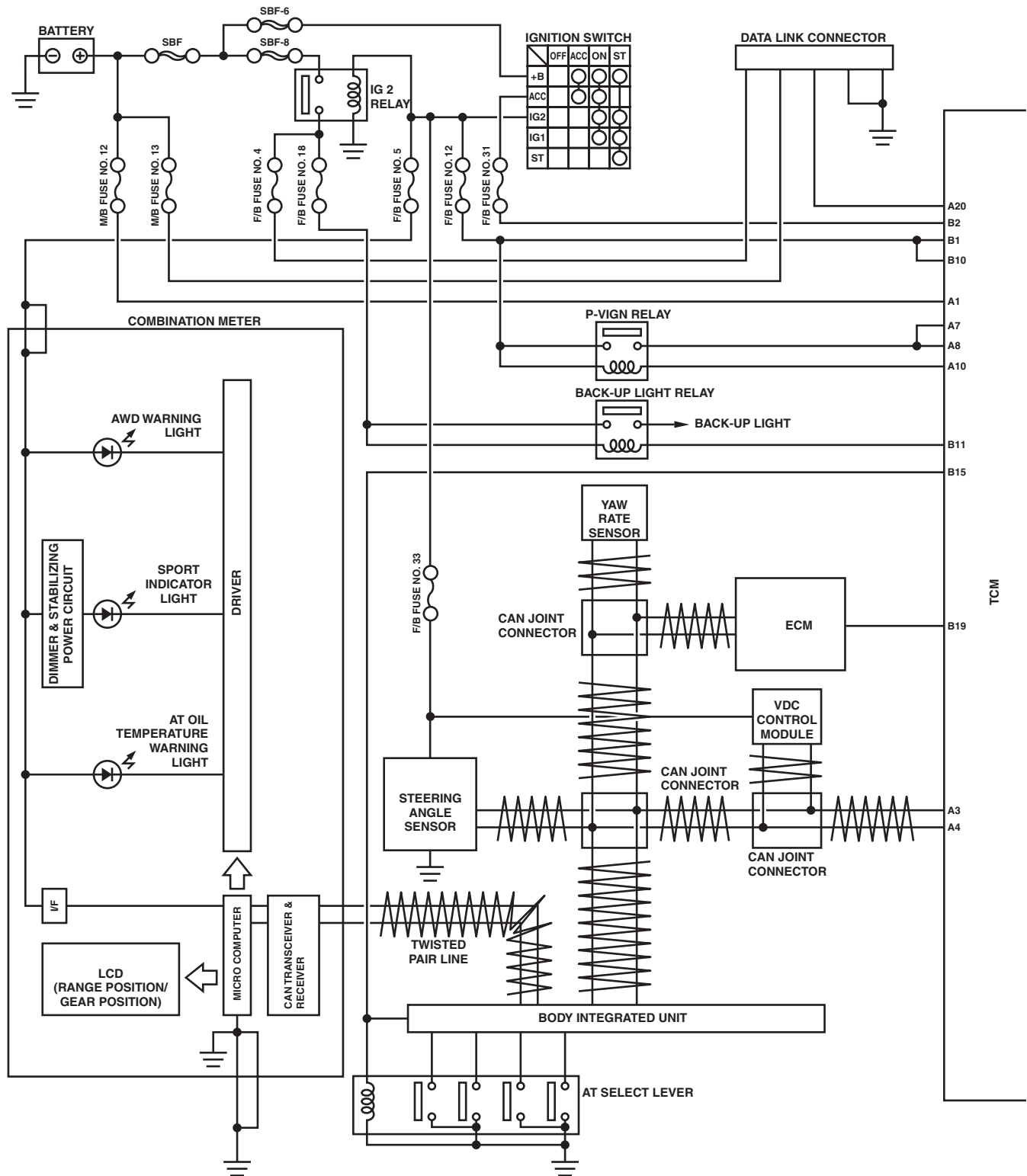
WIRING SYSTEM



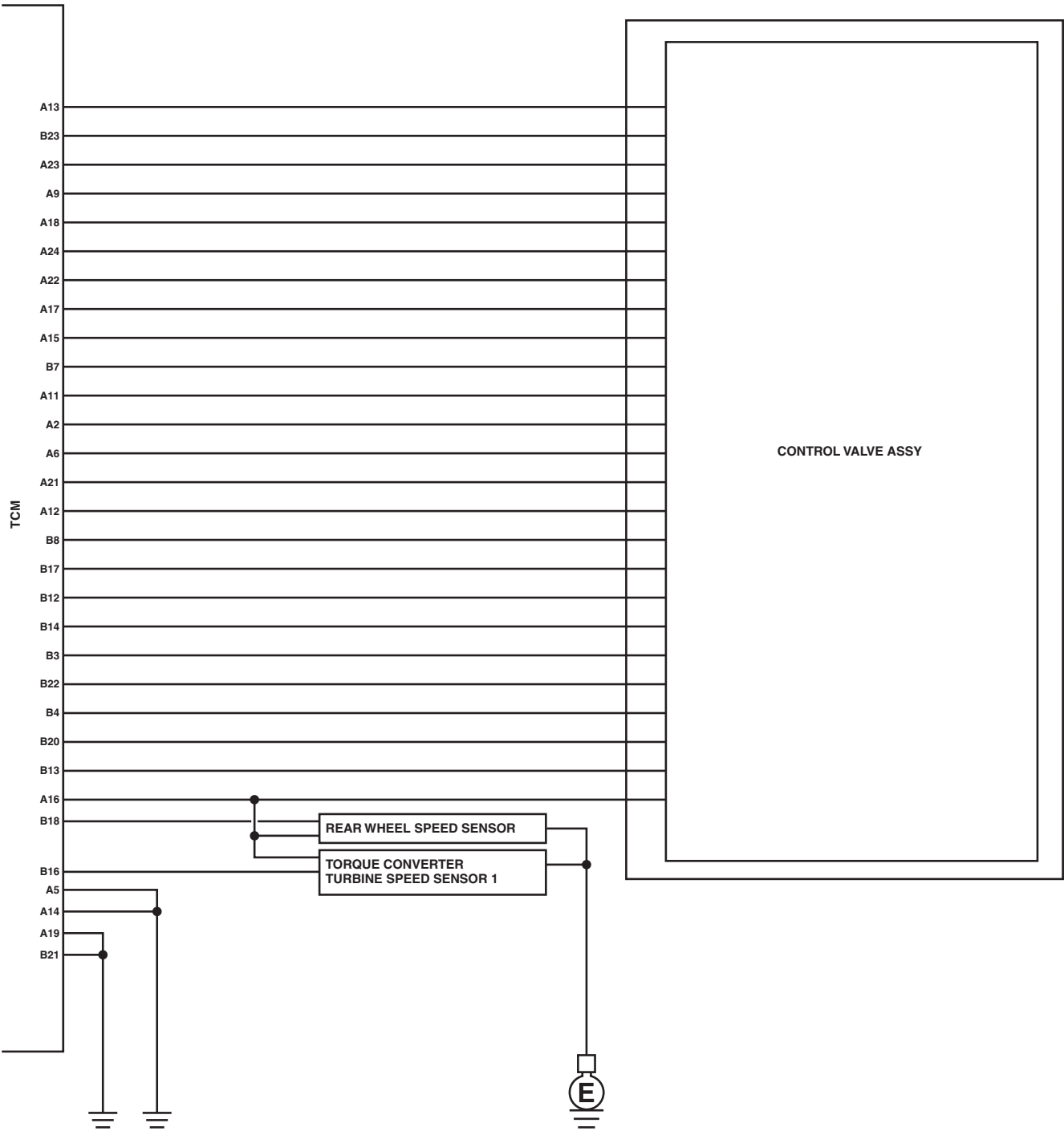
WI-08078

7. AT Control System

A: WIRING DIAGRAM



WI-08056



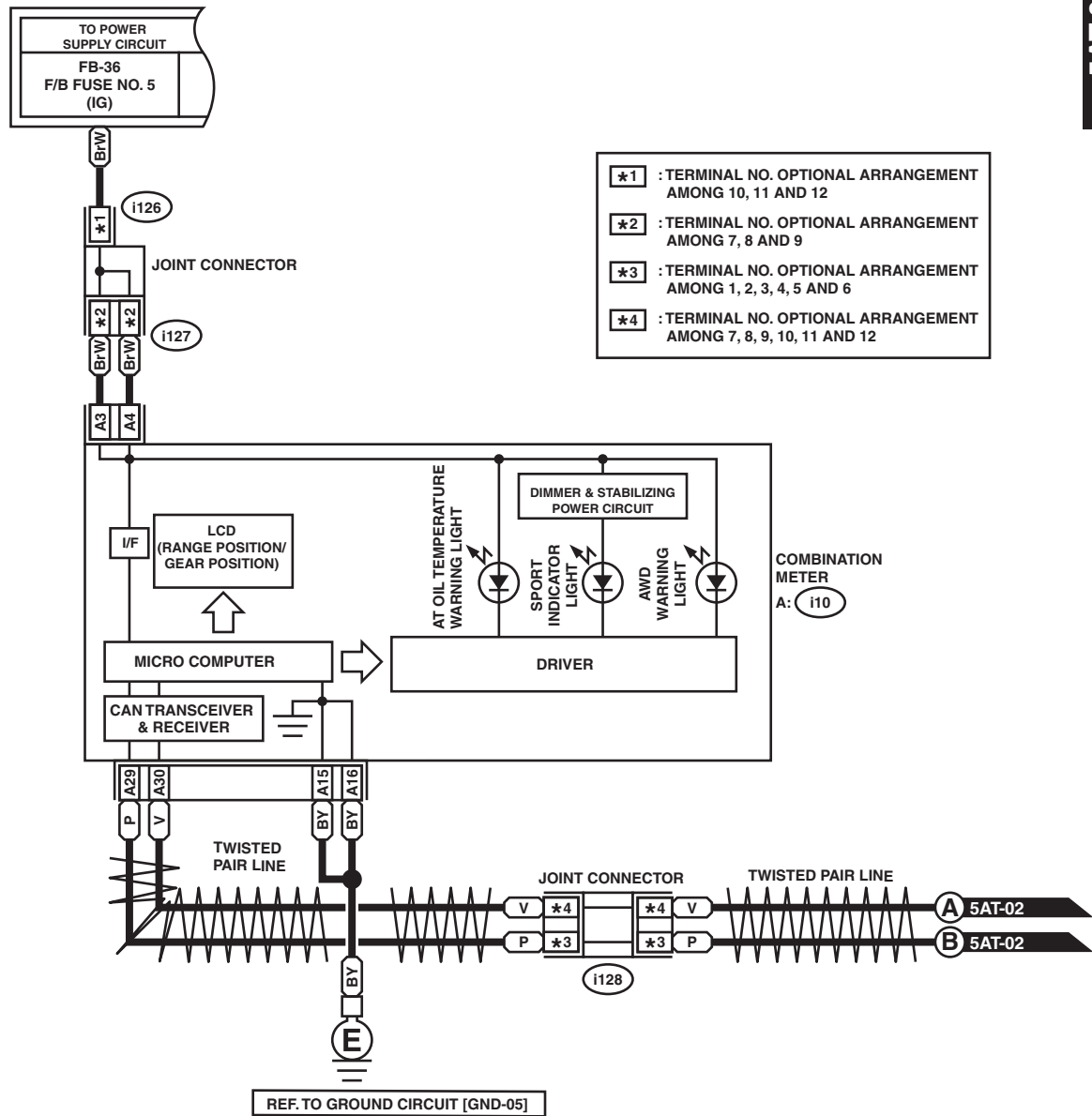
WI-08057

AT Control System

WIRING SYSTEM

5AT-01

5AT-01



i126 (BLACK)

i127 (BLACK)

i128 (BLUE)

A: i10 (GREEN)

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

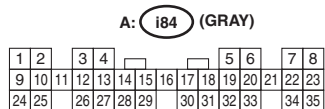
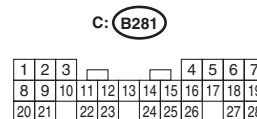
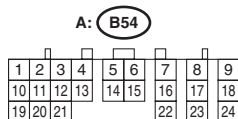
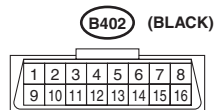
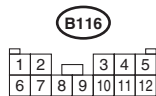
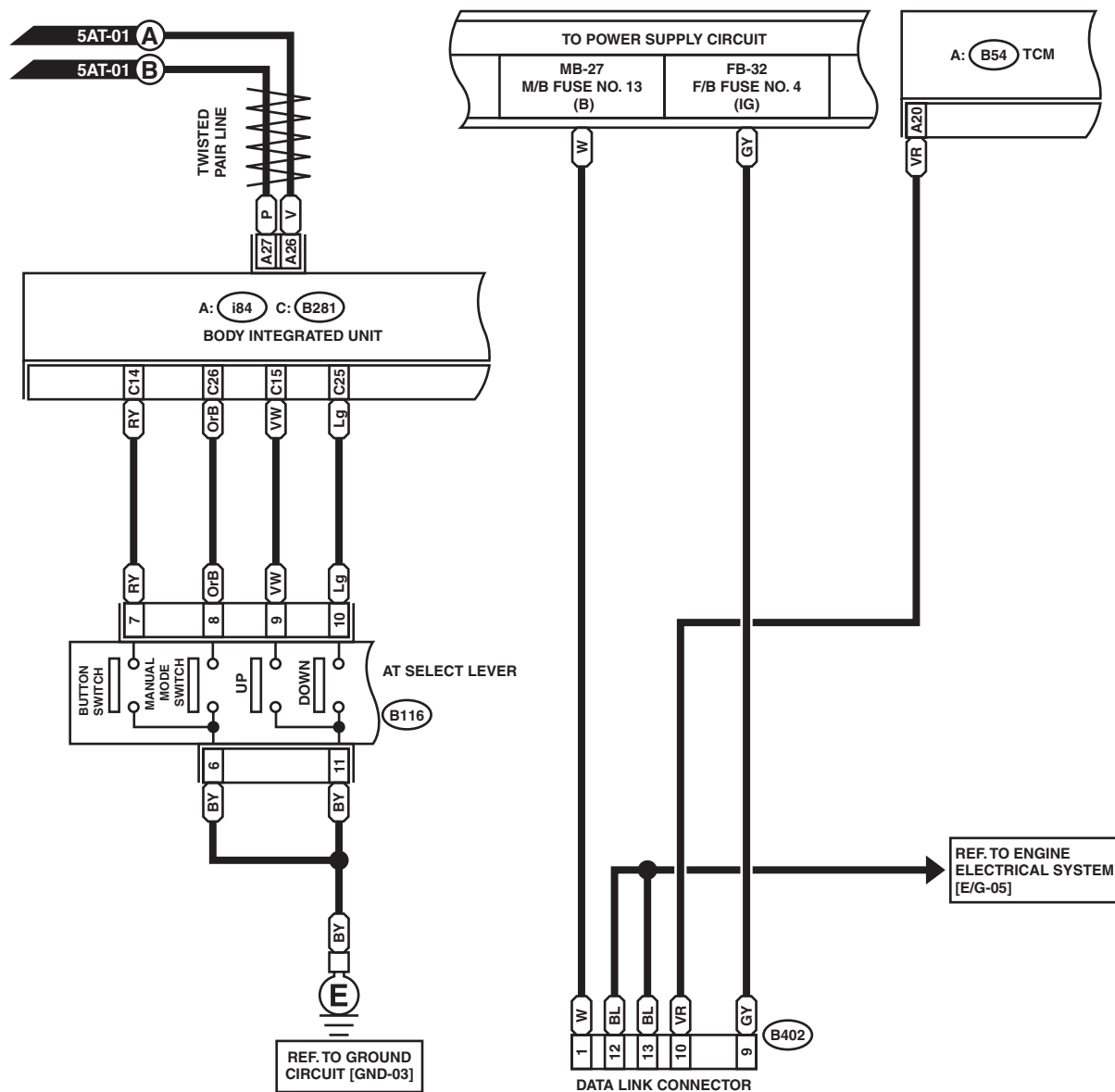
1	2	3	4	5	6	7	8	9	10	11	12
---	---	---	---	---	---	---	---	---	----	----	----

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

WI-08058

5AT-02

5AT-02

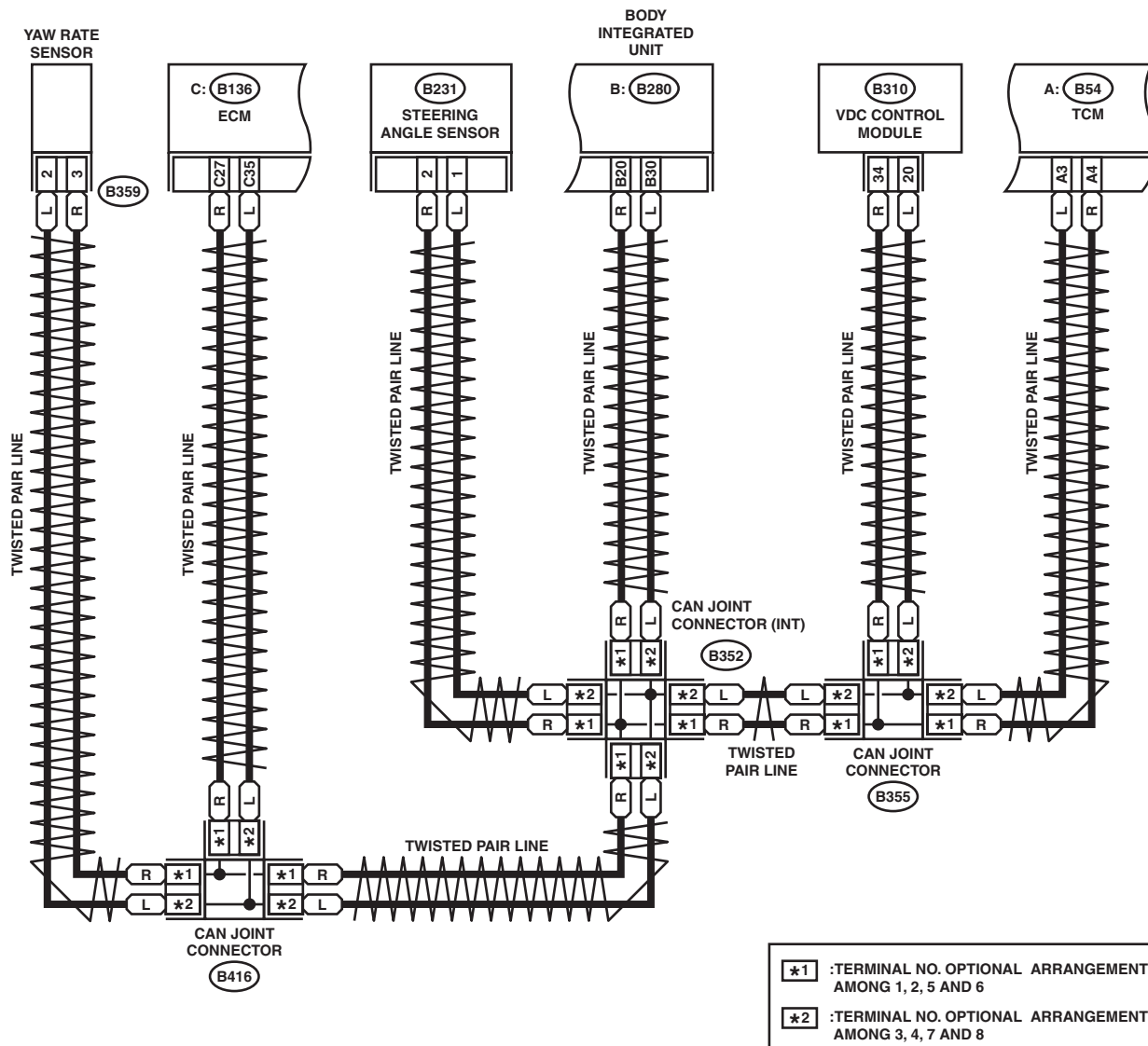


WI-08059

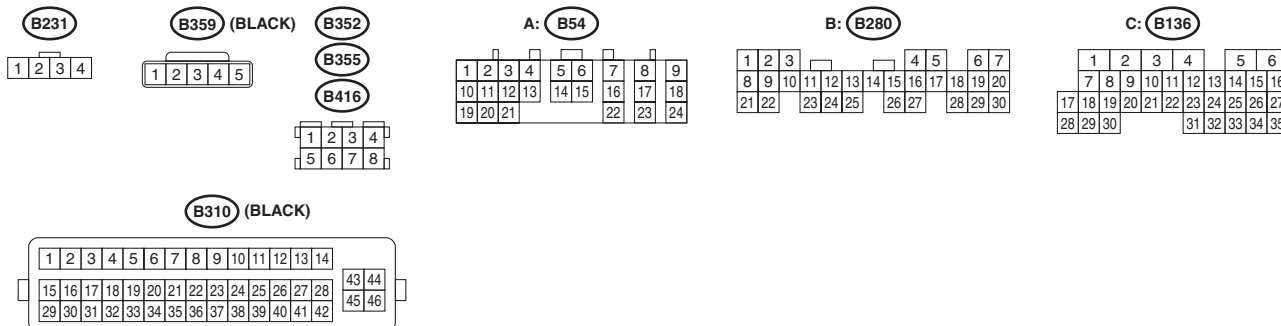
AT Control System

WIRING SYSTEM

5AT-03



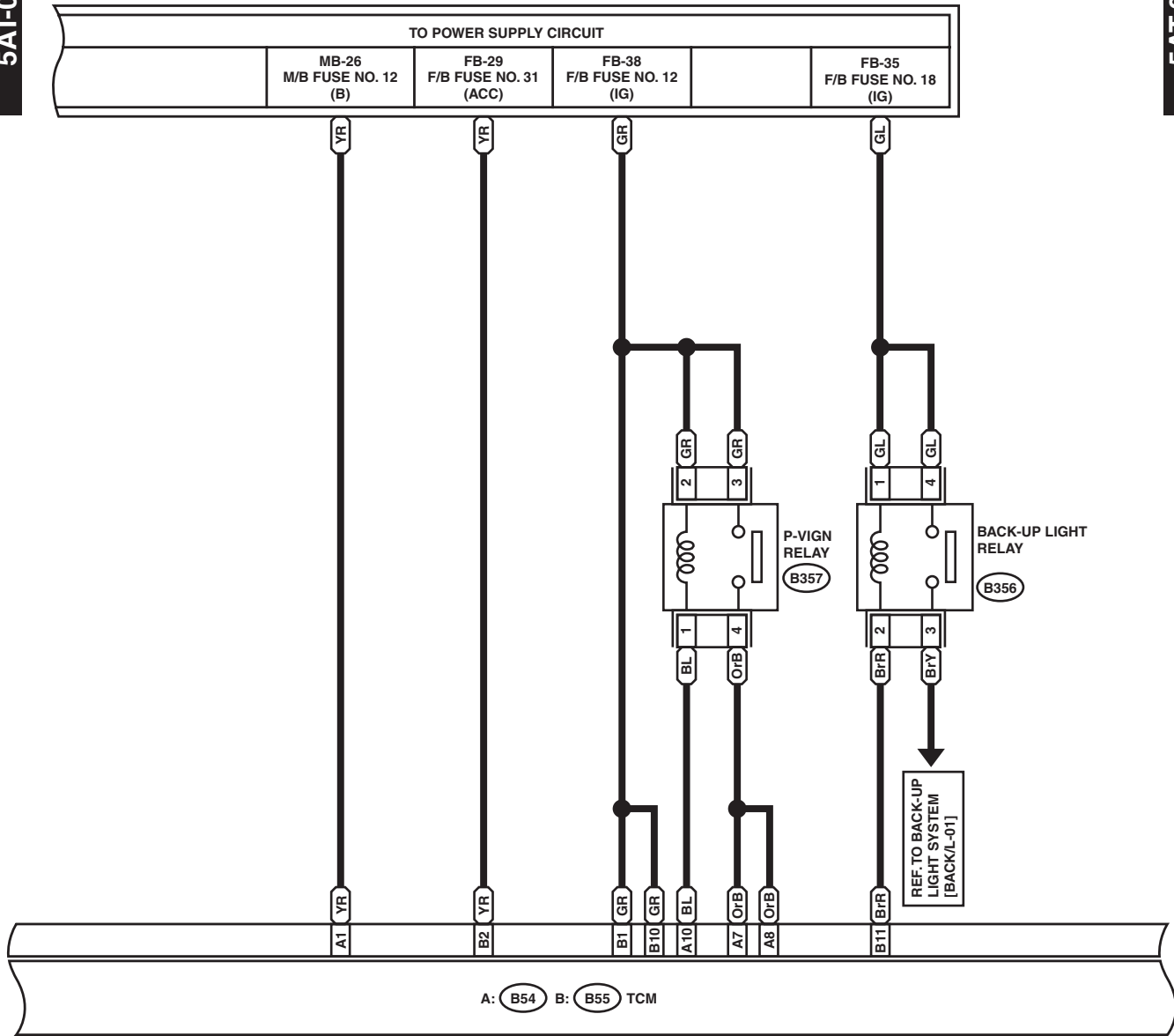
5AT-03



WI-08060

5AT-04

5AT-04

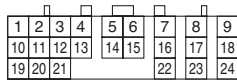


B356 (BLACK)

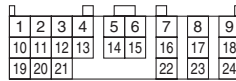
B357 (BLACK)



A: B54



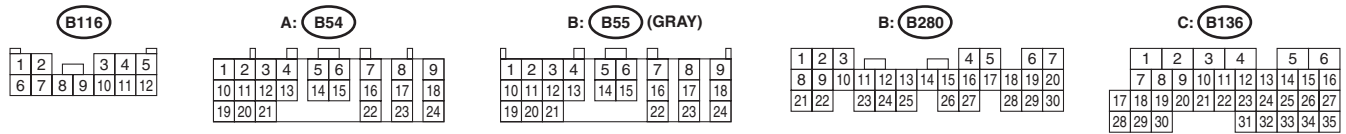
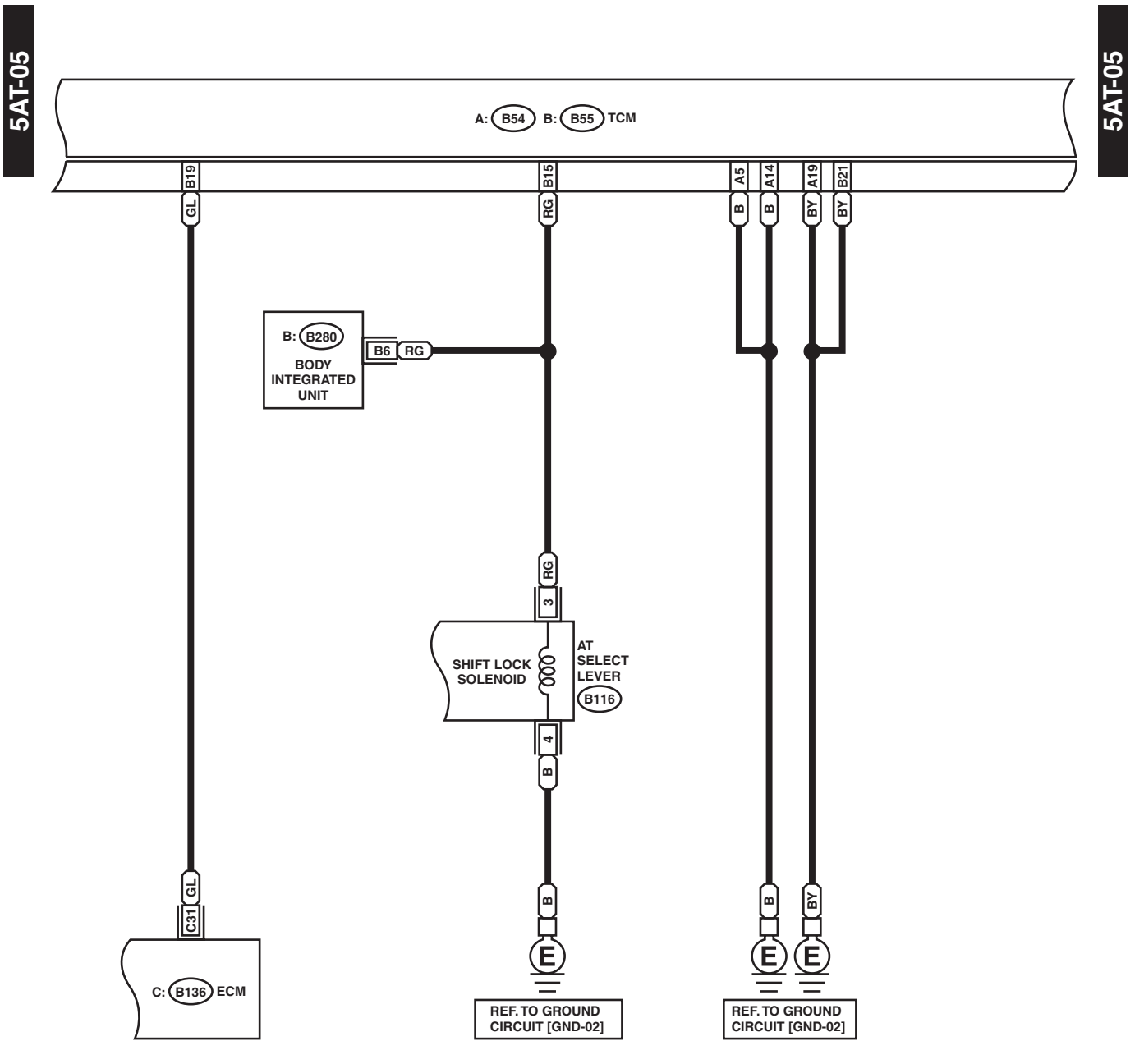
B: B55 (GRAY)



WI-08061

AT Control System

WIRING SYSTEM



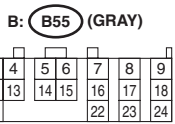
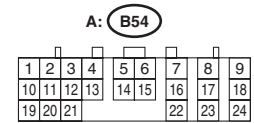
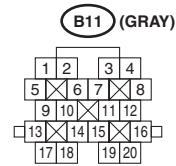
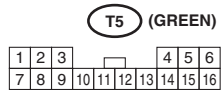
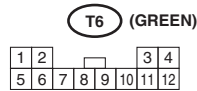
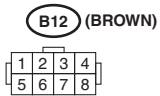
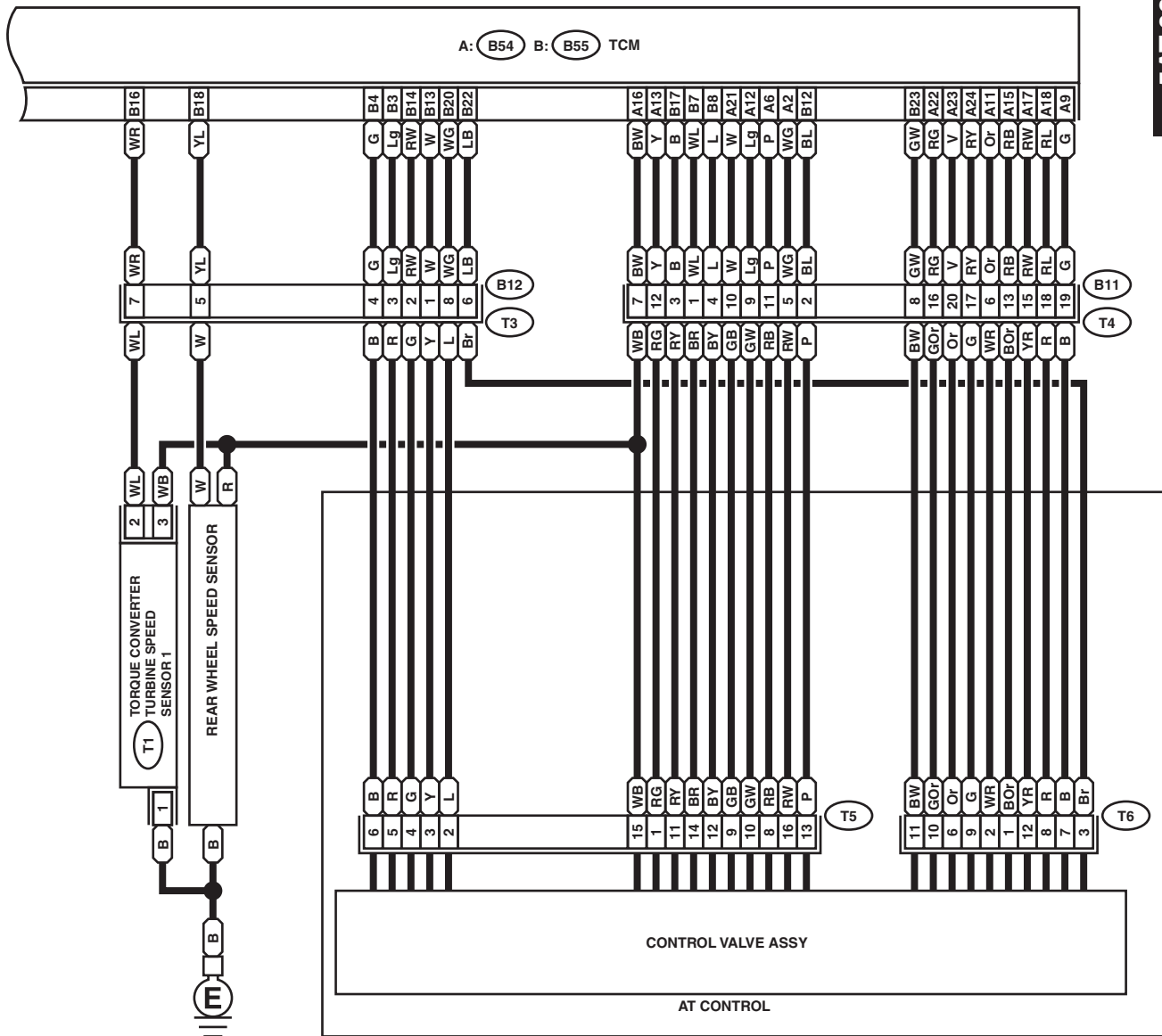
WI-08062

AT Control System

WIRING SYSTEM

5AT-06

5AT-06



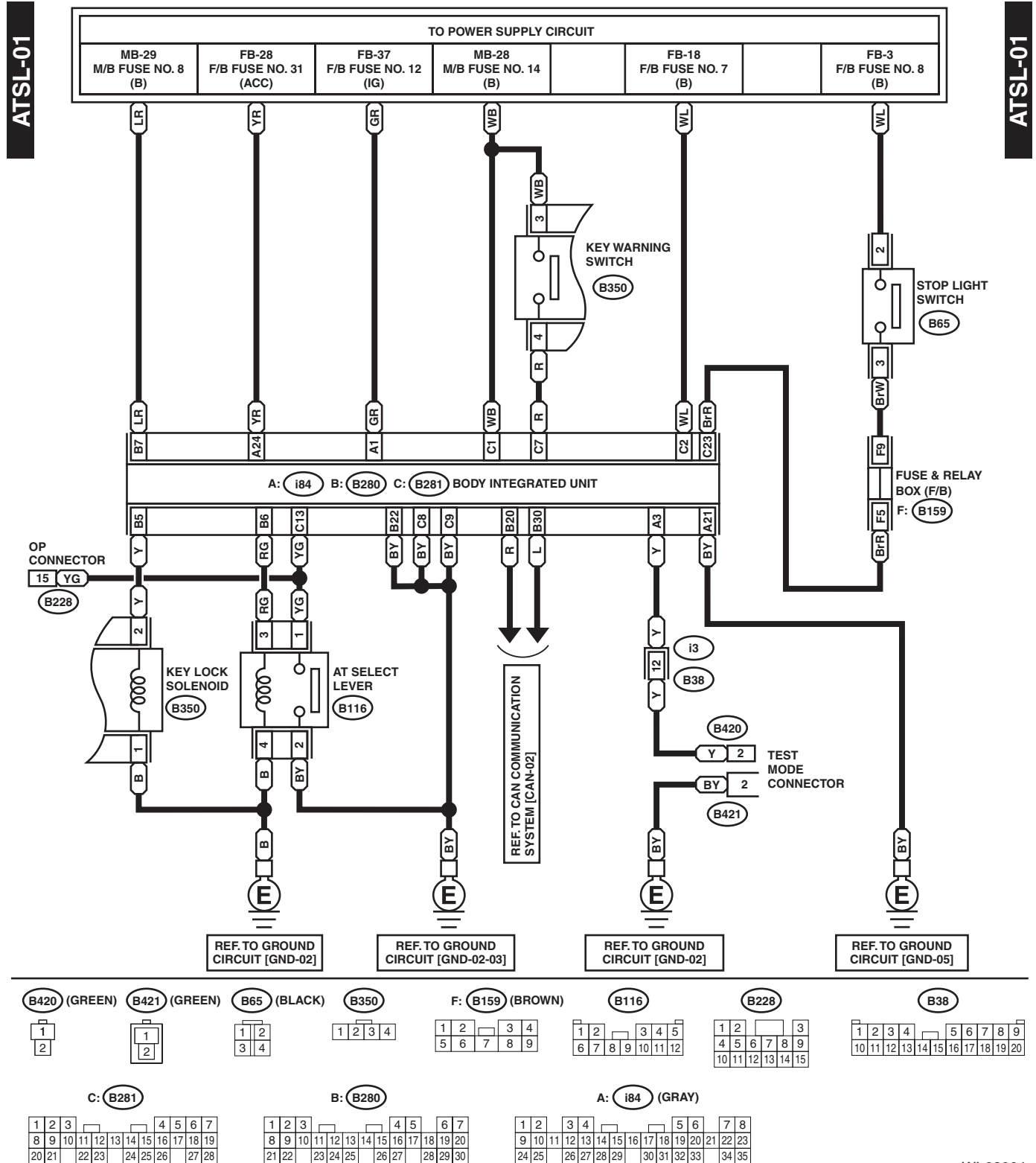
WI-08063

AT Shift Lock Control System

WIRING SYSTEM

8. AT Shift Lock Control System

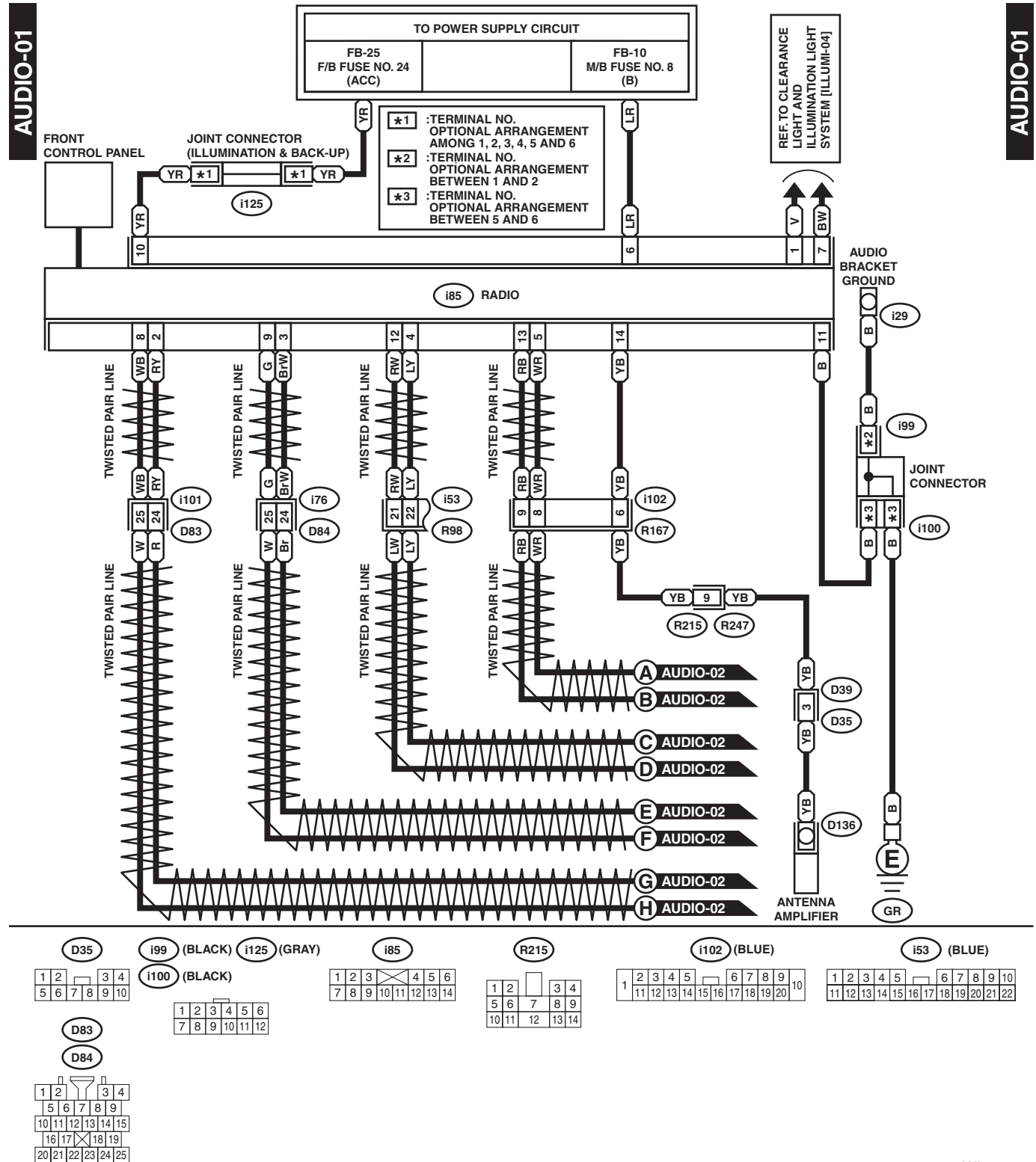
A: WIRING DIAGRAM



WI-08064

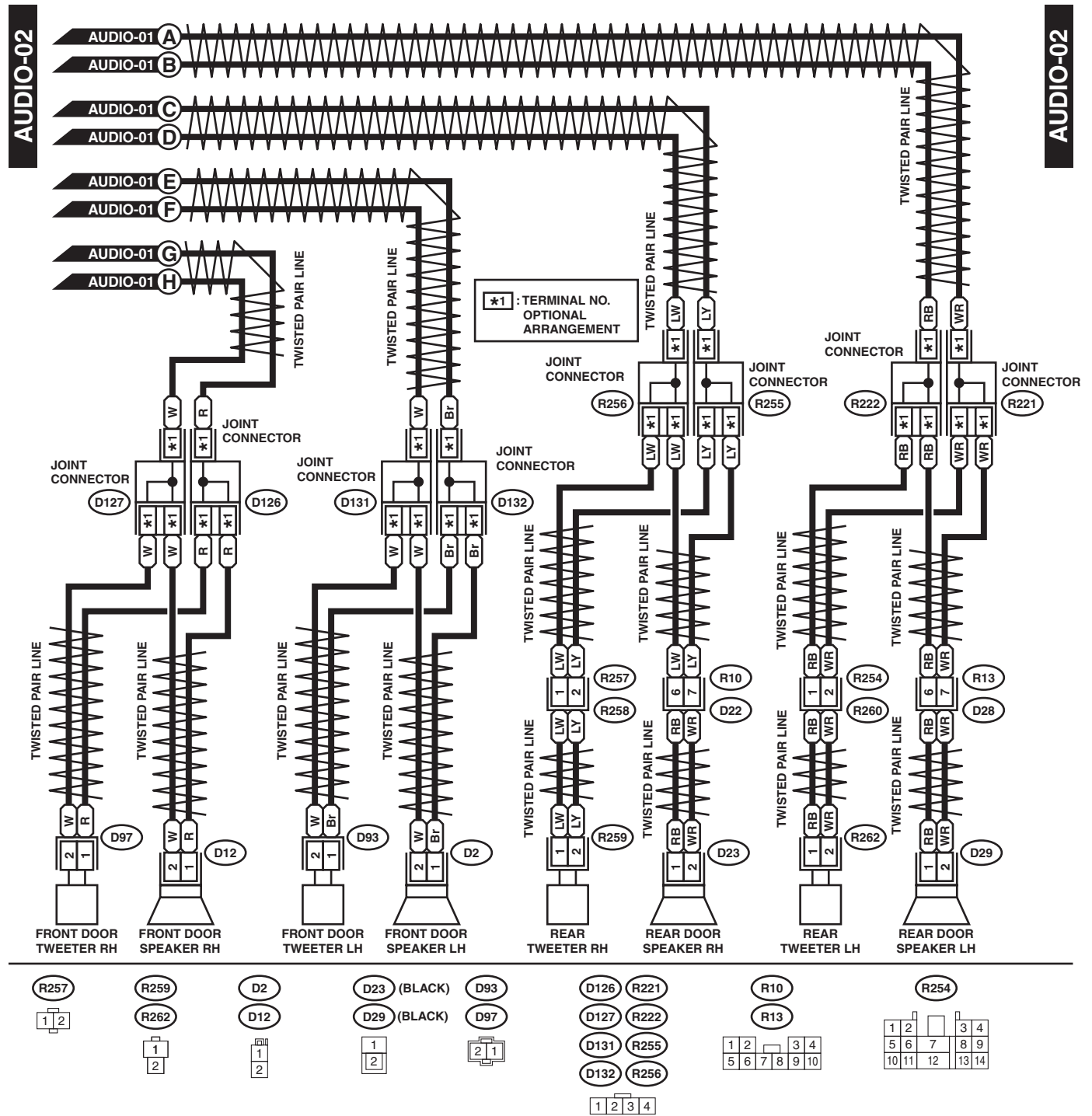
34.Audio System

A: WIRING DIAGRAM



WI-08113

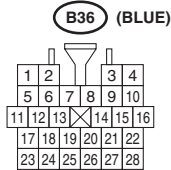
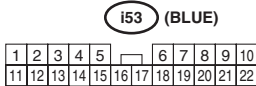
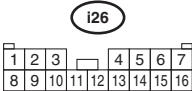
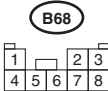
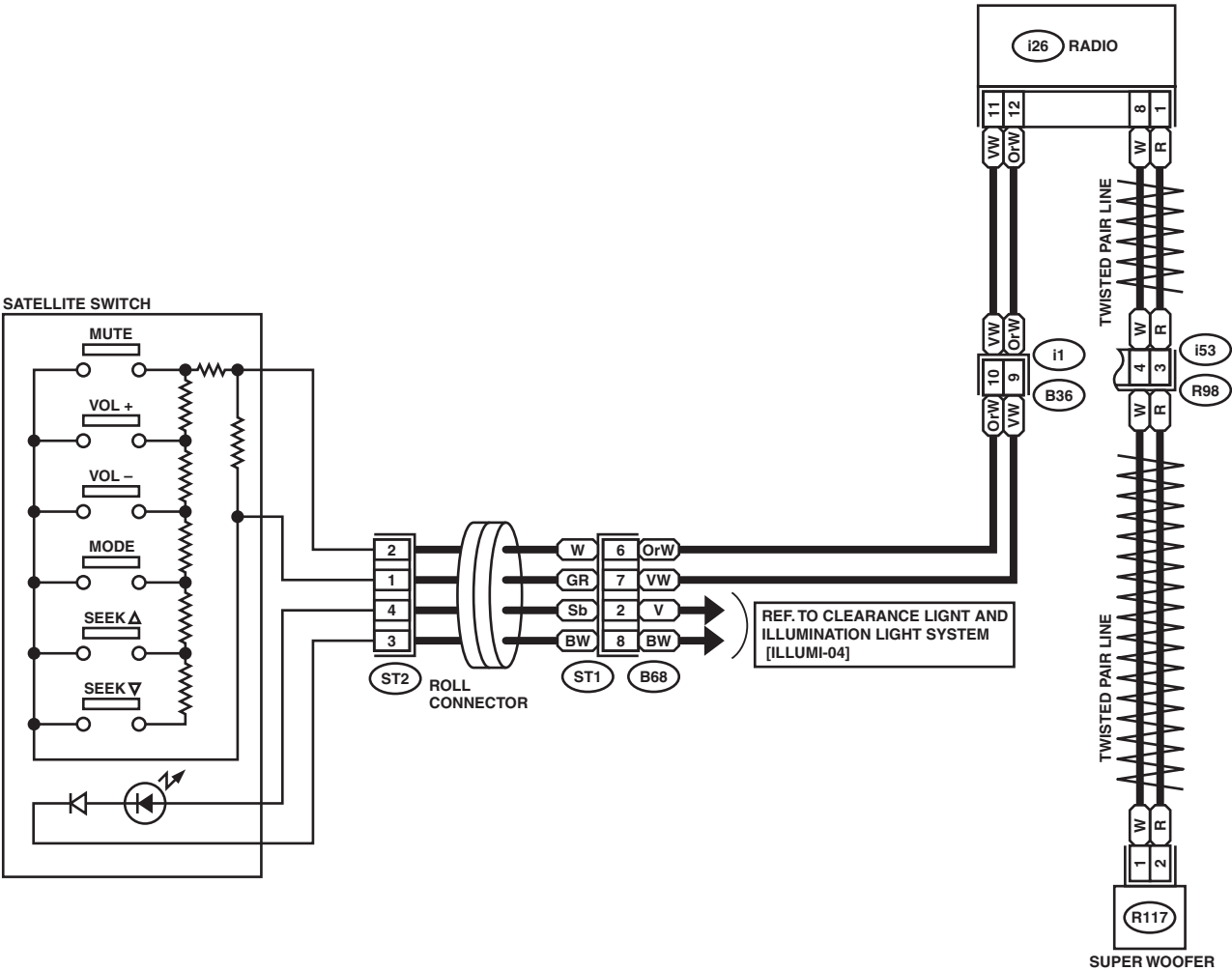
WIRING SYSTEM



WI-08309

AUDIO-03

AUDIO-03

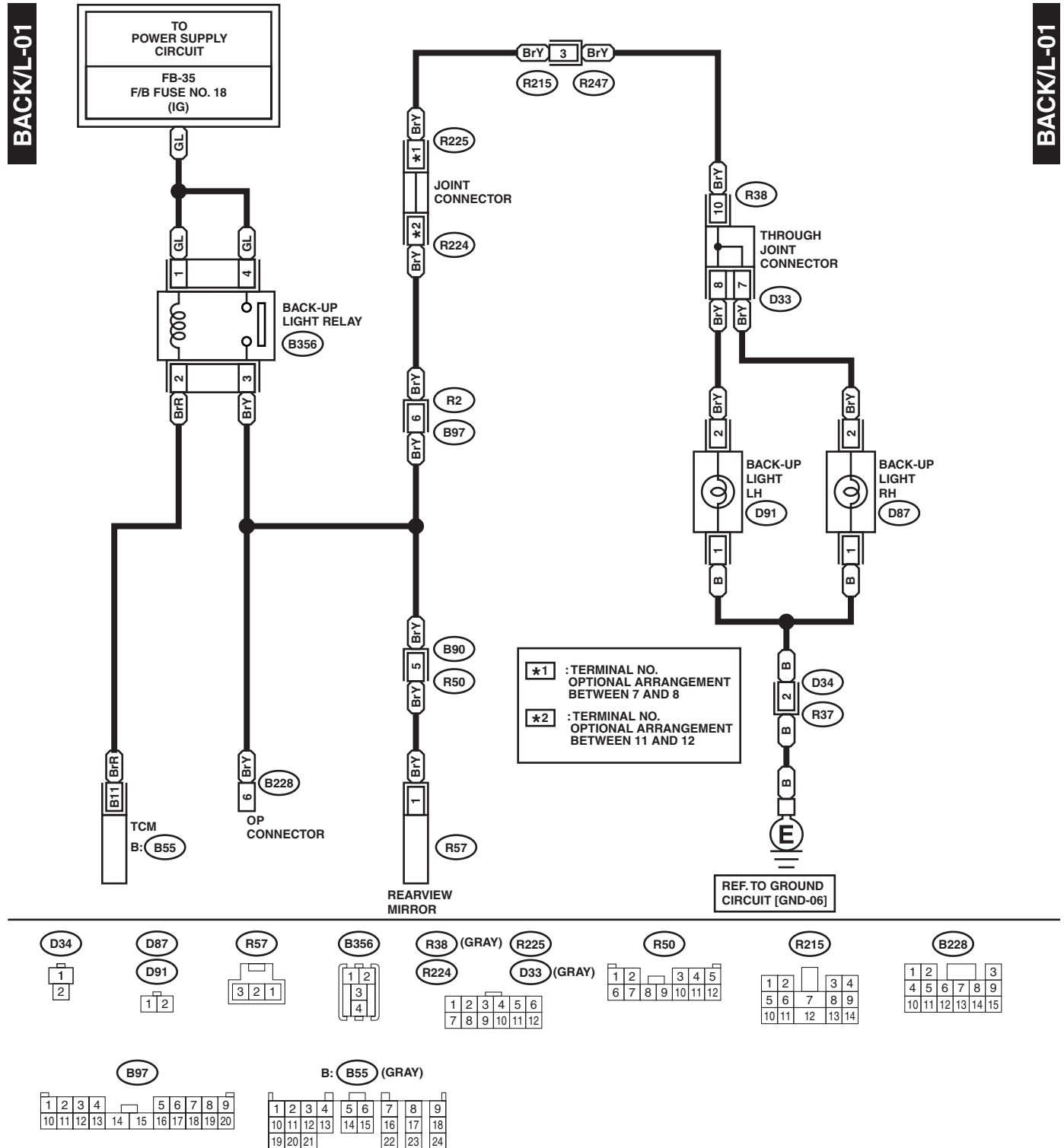


Back-up Light System

WIRING SYSTEM

25.Back-up Light System

A: WIRING DIAGRAM



WI-08096

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.

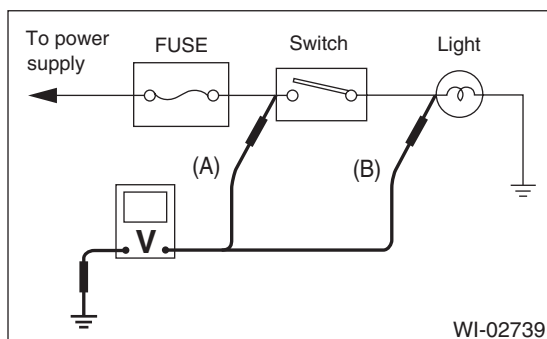
5. SYSTEM OPERATION CHECK

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.

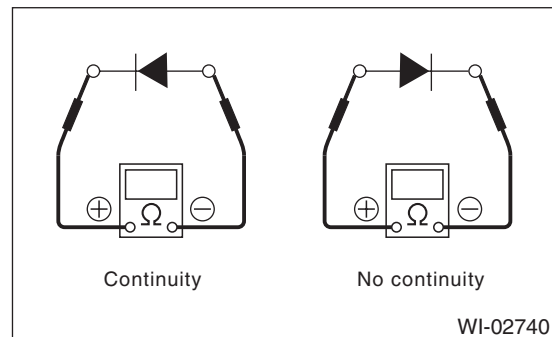


- 4) With the test set-up held as it is, turn the switch ON. The voltmeter will indicate a voltage and, at the same time, the light will come on.

- 5) The circuit is in good order. If a problem such as a 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	○ — ○	○ — ○				○ — ○

WI-02741

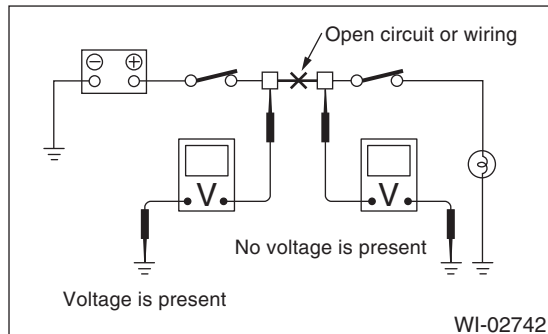
Basic Diagnostic Procedure

WIRING SYSTEM

3. HOW TO DETERMINE AN OPEN CIRCUIT

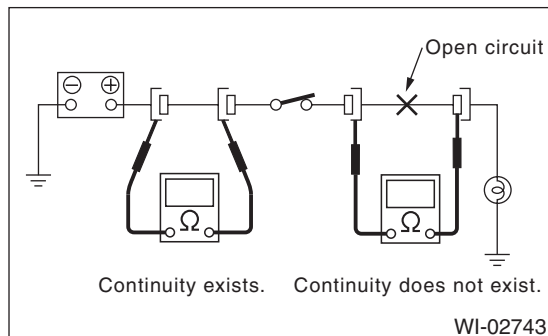
1) WITH VOLTMETER:

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:

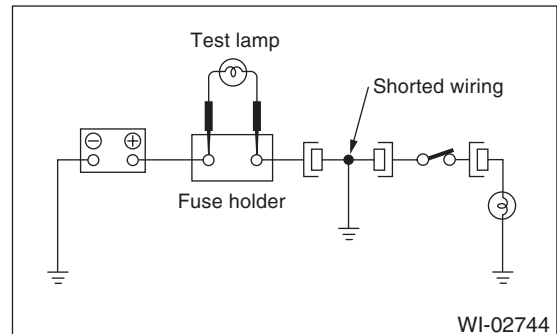
Disconnect all connectors affected, and check continuity in the wiring between adjacent connectors. When the ohmmeter indicates "infinite", the wiring is open.



4. HOW TO DETERMINE A SHORT CIRCUIT

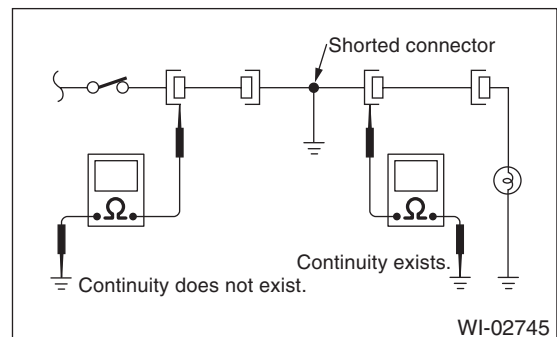
1) WITH TEST LIGHT:

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.



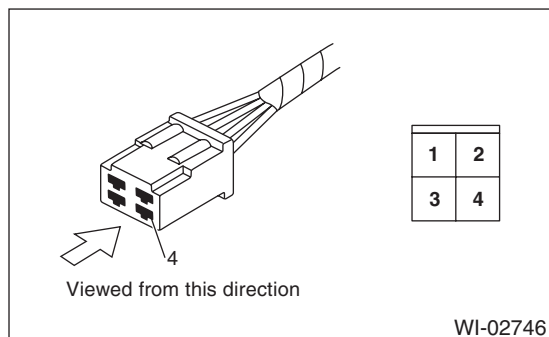
C: HOW TO READ WIRING DIAGRAMS

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.

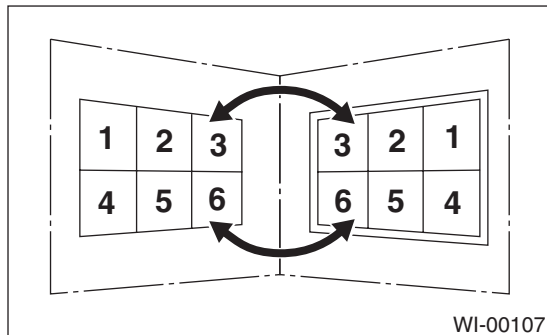
Connector used in vehicle	Connector shown in wiring diagram		
	Sketch	Symbol	Number of poles
	Double frames Indicates a lock is included. Indicates the number of poles.		Numbered in order from upper right to lower left.
	Indicates a lock is included. Single frame		Numbered in order from upper left to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

WI-02747

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.



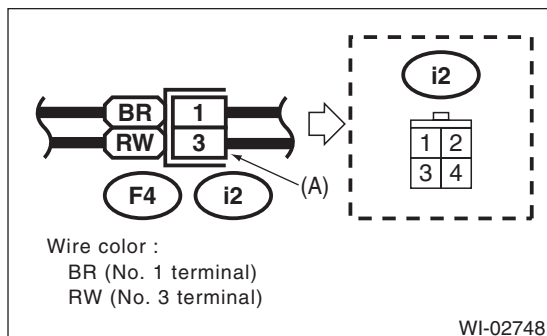
WIRING DIAGRAM:

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

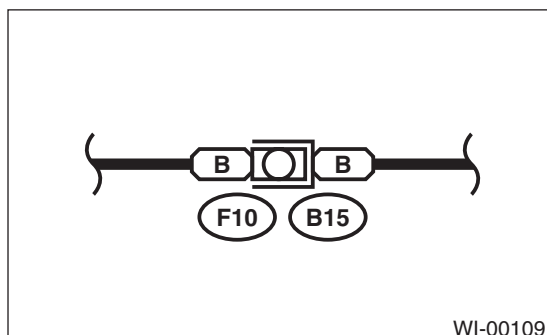
- The sketch of each connector in the wiring diagram usually shows the (A) side of the connector. The relationship between the wire color, terminal number and connector is described in the figure.

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.

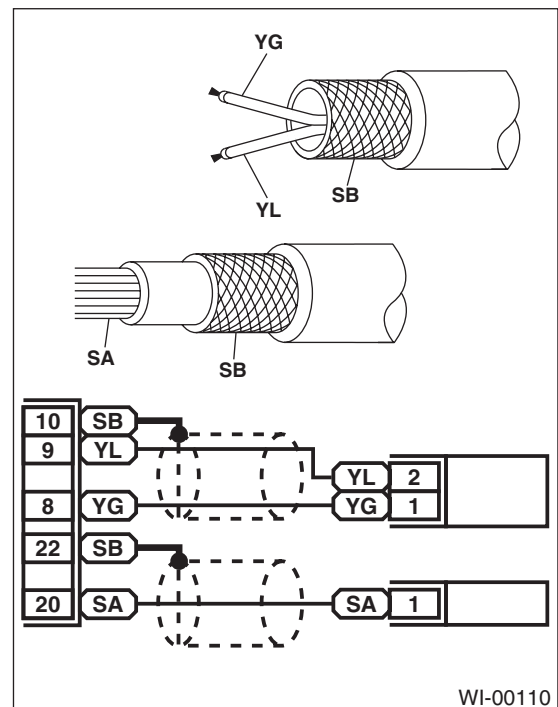


- In the wiring diagram, connectors which have no terminal number refer to one-pole types. Sketches of these connectors are omitted intentionally.

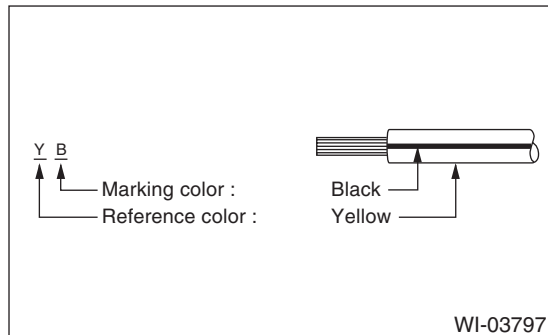


- The following color codes are used to indicate the colors of the wires.

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:

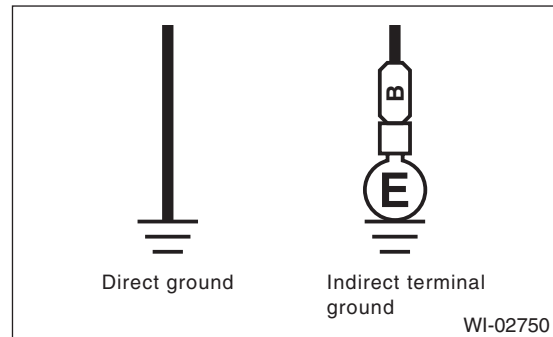
When replacing or repairing a wire, be sure to use the same size and type of the wire which was originally used.

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

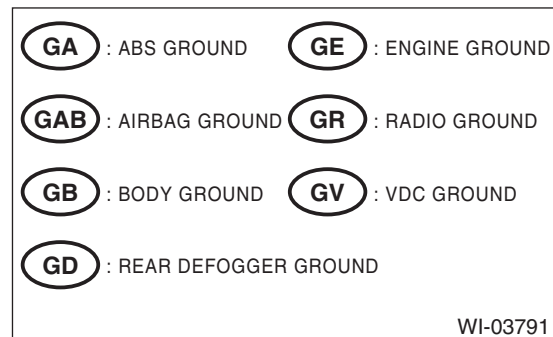
- Each unit is either directly grounded to the body or indirectly grounds through a harness ground terminal. Different symbols are used in the wiring diagram to identify the two grounding systems.



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

NOTE:

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

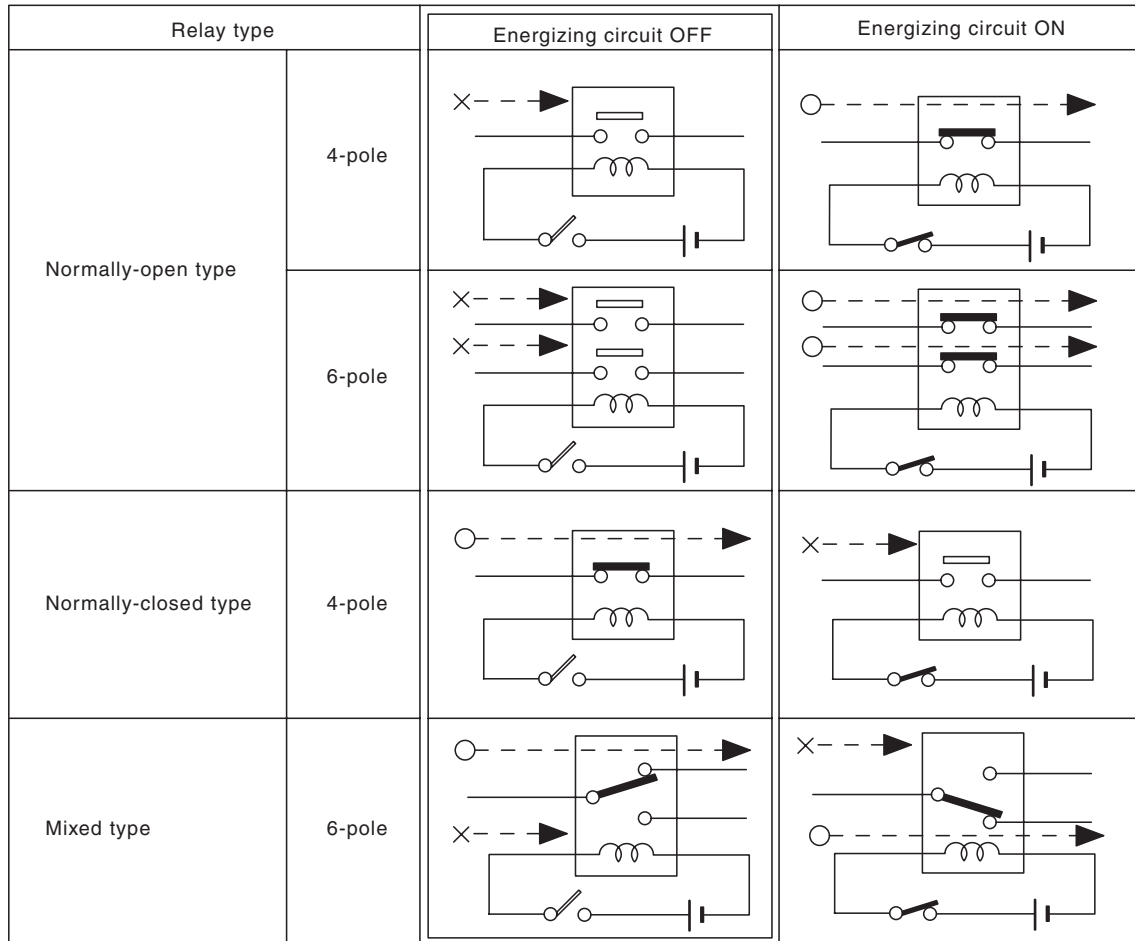


Basic Diagnostic Procedure

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:

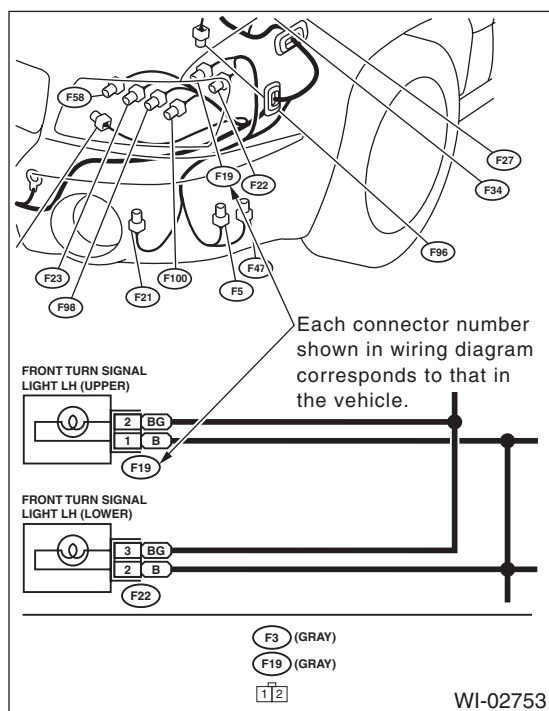
○ —▶ : Current flows.

× —▶ : Current does not flow.

WI-02752

- 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

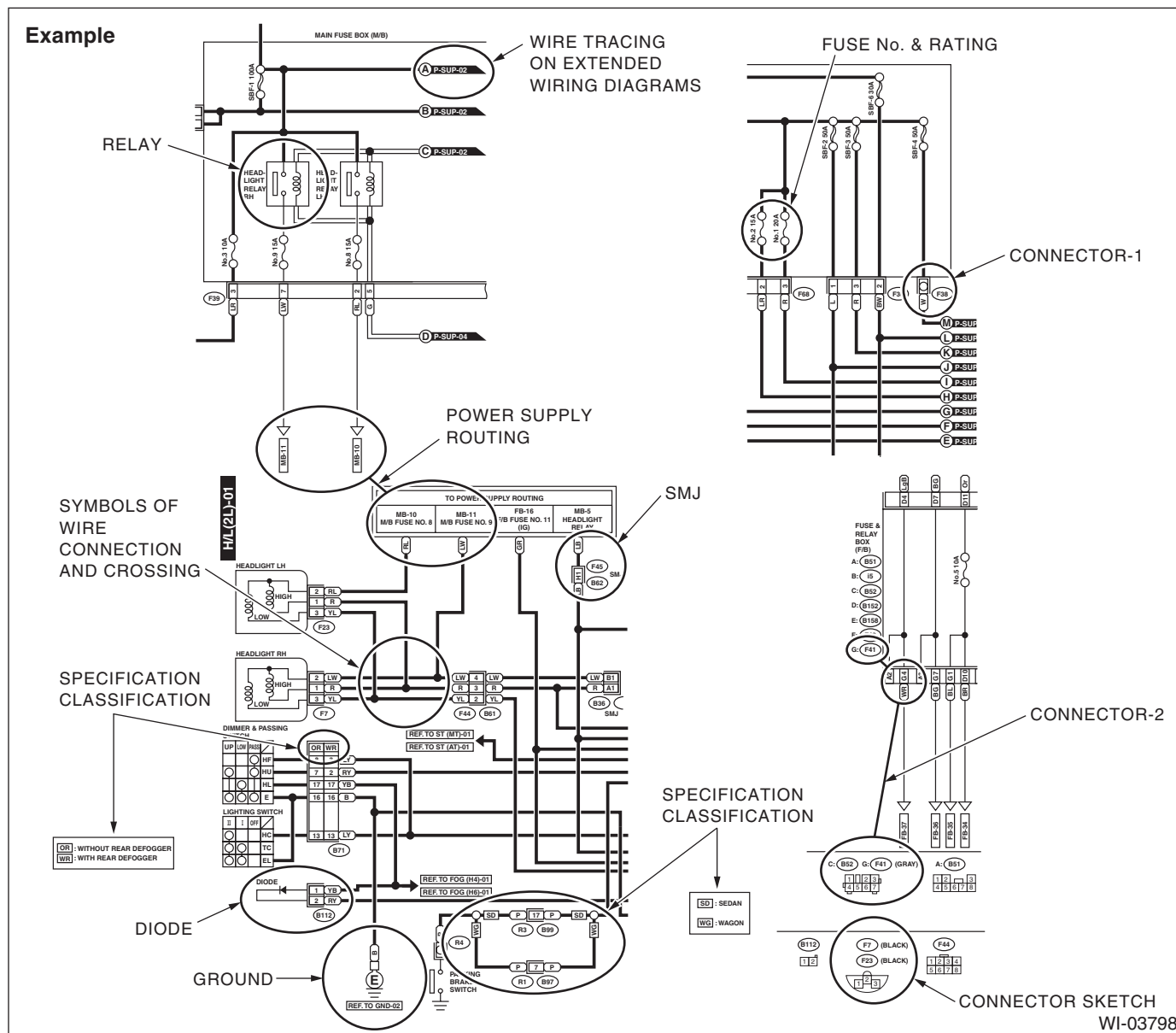


Basic Diagnostic Procedure

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

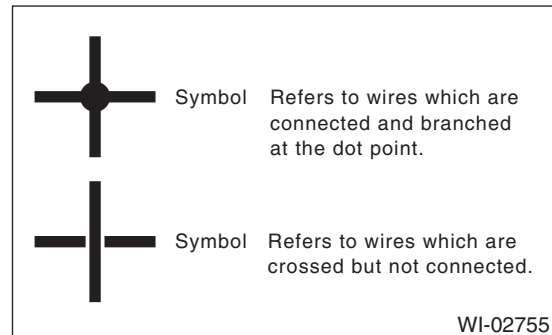
A symbol is used to indicate a diode.

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 $\longleftrightarrow$ B, 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

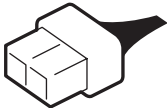
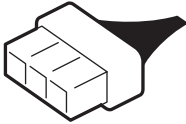
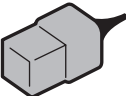
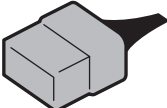
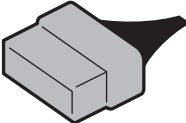
When the wiring diagram differ according to vehicle specifications, the specification difference is described by using abbreviations.

Basic Diagnostic Procedure

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
A/C	Air conditioner
A/F	Air/Fuel (Air fuel ratio sensor)
ABS	Anti-lock Brake System
ACC	Accessory
AT	Electronically controlled fully-automatic
AUX	Auxiliary
AWD	All Wheel Drive
CAN	Controller Area Network
CPC	Canister Purge Control
CPU	Central Processing Unit
ECM	Engine Control Module (ECM)
EEPROM	Electronically Erasable and Programmable Read Only Memory
F/B	Fuse & Relay box
FWD	Front Wheel Drive
H/L	Headlight
I/F	Interface
IG	Ignition
L, LH	Left Hand
LCD	Liquid Crystal Display
M/B	Main fuse box
MFD	Multi Function Display
OP	Optional Parts or Open
PWM	Pulse Width Modulation
R, RH	Right Hand
SBF	Slow Blow Fuse
ST	Starter
TCS	Traction Control System
TCM	AT Control Module
TPM	Tire Pressure Monitor
TV	Television
U, UP	Up
VDC	Vehicle Dynamics Control
VVL	Variable Valve Lift

Bulkhead Wiring Harness (In Compartment)

WIRING SYSTEM

57.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	Blue	B-2	i1	Instrument panel wiring harness
B38	20	★	B-5	i3	
B41	2	★	C-2		Power window circuit breaker
B47	6	Brown	B-5		Main relay
B52	24	★	B-2		Fuse & relay box (F/B)
B54	24	★	C-2		TCM
B55	24	Gray	C-3		
B65	4	Black	B-3		Stop light and brake switch
B68	8	★	B-3		Roll connector
B69	4	★	B-3		Parking light switch
B70	18	★	B-3		Combination switch (Wiper & washer switch)
B71	17	★	B-3		Combination switch (Front fog light switch) (Lighting switch)
B72	6	★	B-3		Ignition switch
B77	7	Green	B-4		Mode actuator
B86	5	★	B-4		Blower fan controller
B87	2	★	C-5		Blower fan motor
B88	2	★	B-4		Evaporation thermo switch
B90	12	★	B-4	R50	Roof cord
B91	7	Green	B-4		FRESH/RECIRC actuator
B96	8	Black	B-2		Daytime running light control module
B97	20	★	C-1	R1	Rear wiring harness
B98	24	Black	B-5	R2	
B116	12	★	C-4		AT select lever
B122	8	★	D-5		Joint connector
B134	34	★	C-4		ECM
B135	35	★	C-4		
B136	35	★	C-4		
B137	31	★	D-5		
B152	10	Gray	B-2		Fuse & relay box (F/B)
B158	8	★	B-2		
B159	9	Brown	B-2		
B177	2	★	B-4		Wiper deicer

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
B225	40	Black	C-2		Seat heater relay
					Starter relay
					Power window relay
					Fuse (Relay block)
					Blower fan relay
					Front fog light relay
					Mirror heater relay
					Rear fog light relay
					Wiper deicer relay
B228	15	★	B-2		OP connector
B231	4	★	B-3		Steering angle sensor
B235	7	Green	B-4		Passenger's side air mix actuator
B242	10	★	B-2		Daytime running light control module
B280	30	★	C-3		Body integrated unit
B281	28	★	C-3		
B282	16	★	C-5		Auto A/C control module
B283	26	★	C-5		Auto A/C control module (Rear defogger switch)
B315	6	Black	B-4		Accelerator pedal position sensor
B327	6	Brown	B-5		Rear oxygen sensor relay
B350	4	★	B-3		Key warning switch & key lock solenoid
B351	2	Black	B-4		Antenna
B352	8	★	C-3		CAN joint connector
B355	8	★	B-3		
B356	4	Black	C-3		Back-up light relay
B357	4	Black	C-3		P-VIGN relay
B359	5	Black	D-4		Yaw rate sensor
B362	8	Black	B-5		Relay holder
B370	2	Black	B-4		Diode
B373	2	★	B-1		Fuse box
B390	7	Green	B-4		Driver's side air mix actuator
B402	16	Black	B-2		Data link connector
B403	25	★	B-2	i2	Instrument panel wiring harness
B404	1	Black	B-2		Parking brake switch
B405	4	Brown	B-2		Diode (Daytime running light & parking)
B413	2	★	B-3		In vehicle temperature sensor
B414	2	★	B-4		Key illumination

Bulkhead Wiring Harness (In Compartment)

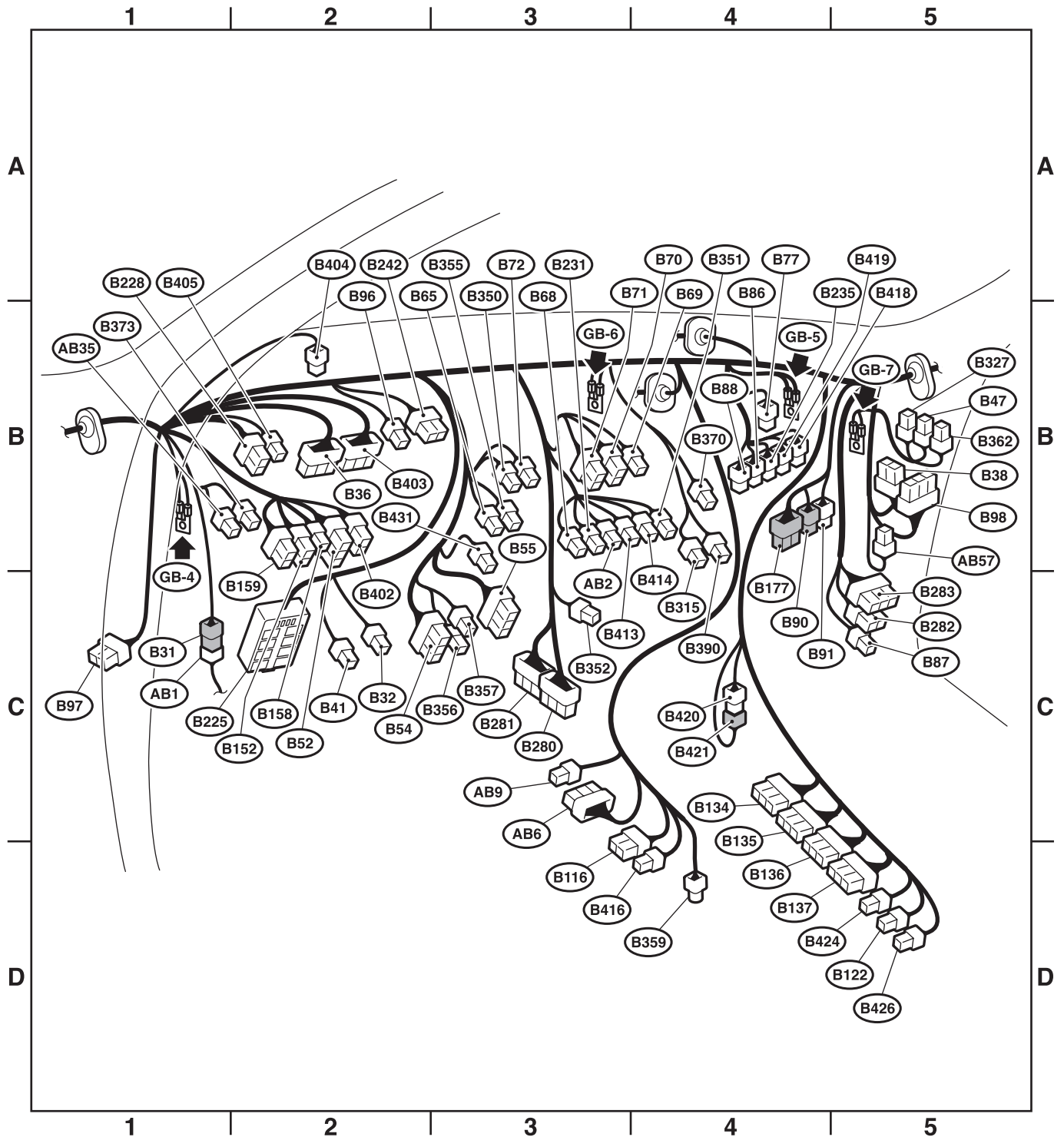
WIRING SYSTEM

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
B416	8	★	D-4		CAN joint connector
B418	2	★	B-4		Foot light (Passenger's side)
B419	7	★	B-4		Blower fan relay
B420	2	Green	C-4		Test mode connector
B421	2	Green	C-4		
B424	8	★	D-5		Joint connector
B426	8	★	D-5		
B431	2	★	B-3		Foot light (Driver's side)
★ : White or natural color					

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
AB1	12	Yellow	C-1	B31	Bulkhead wiring harness
AB2	4	Yellow	B-4	AB7	Inflator (Driver's seat) (Roll connector)
AB6	28	Yellow	C-3		Airbag control module
AB9	4	Yellow	C-3	C-3	Inflator (Passenger's seat)
AB3 5	2	Black	B-1		Fuse & relay box (F/B)
AB5 5	2	Yellow	B-5	AB5 7	Rear wiring harness

Bulkhead Wiring Harness (In Compartment)

WIRING SYSTEM



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Bulkhead Wiring Harness (In Engine Compartment)

WIRING SYSTEM

56.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	Black	B-4		Front wiper motor
B10	4	Gray	B-4		Pressure switch
B11	20	Gray	B-3	T4	Transmission
B12	8	Brown	B-3	T3	
B14	1	Black	B-3		Starter (Magnet)
B15	2	Gray	B-4		Front ABS wheel speed sensor LH
B16	2	Gray	B-4		Brake fluid level switch
B20	16	Brown	B-3	E1	Engine wiring harness
B21	54	Black	B-3	E2	
B22	16	Brown	B-3	E3	
B143	20	★	B-4		Main fuse box (M/B)
B144	9	Brown	B-4		
B145	7	Brown	B-4		
B146	6	Gray	C-4		Washer motor & washer tank
B186	8	★	B-4		Main fuse box (M/B)
B310	46	Black	B-2		VDC control module
B360	16	Gray	C-4	F109	Through joint connector
B361	14	Gray	B-4	F108	
B407	2	Black	B-5		Paddle light LH
B409	4	Black	B-5		Wiper relay unit
B410	3	Gray	B-5		
B411	3	Black	B-4		Pressure sensor
B417	2	Gray	C-3		Vacuum pump
B422	4	Black	B-3		Vacuum pump relay
B423	8	Black	B-3		Relay box
B430	2	Black	B-2		Paddle light RH
B432	8	Black	B-4		SBF holder
B433	2	★	B-4		Main fuse box (M/B)

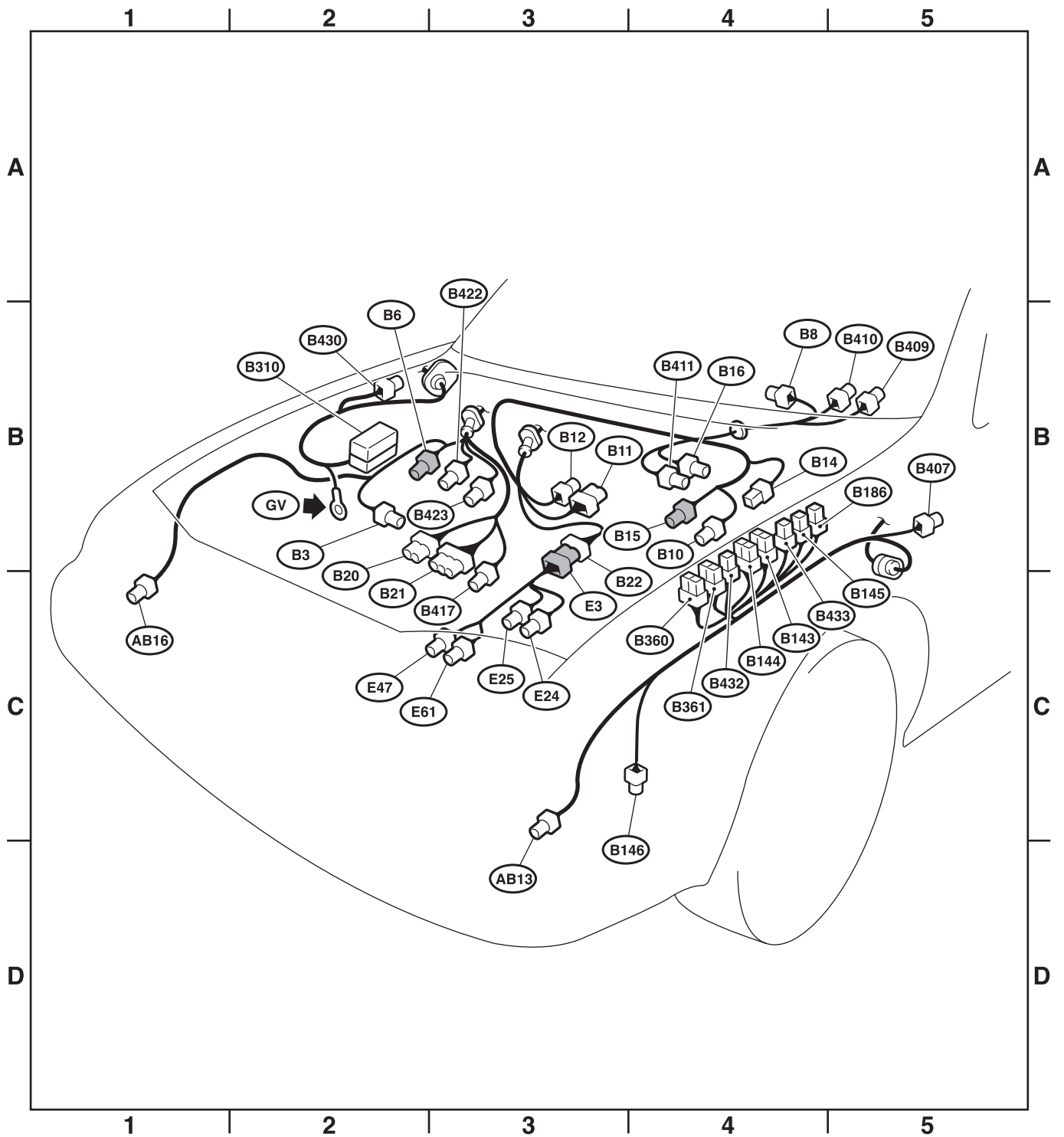
★ : White or natural color

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

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
E3	16	Brown	A-3	B22	Bulkhead wiring harness
E24	4	Light gray	C-3		Front oxygen (A/F) sensor LH
E25	4	Dark gray	B-4		Rear oxygen sensor LH
E47	4	Light gray	C-3		Front oxygen (A/F) sensor RH
E61	4	Dark gray	C-3		Rear oxygen sensor RH

Bulkhead Wiring Harness (In Engine Compartment)

WIRING SYSTEM



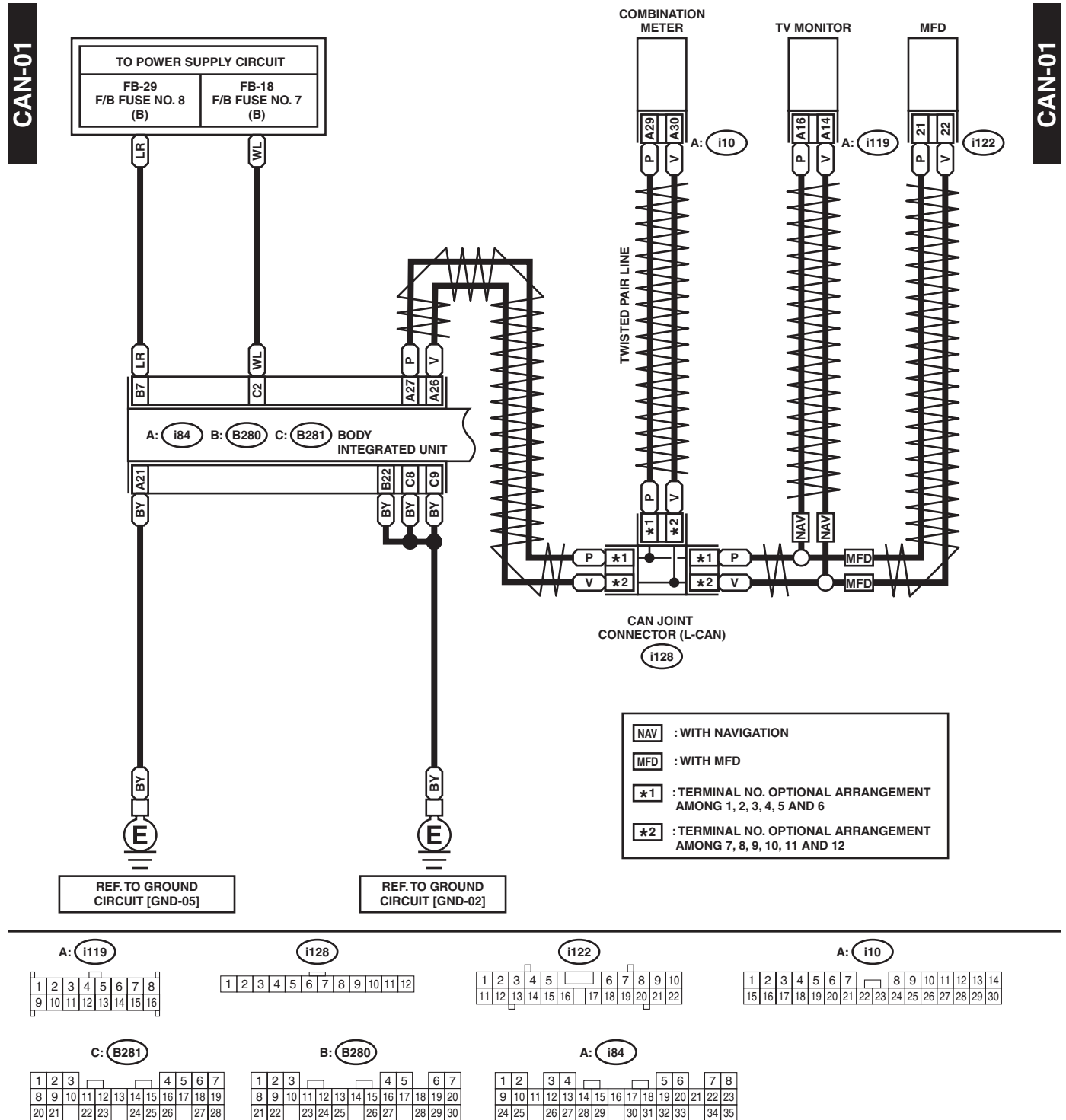
WI-08152

CAN Communication System

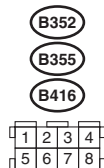
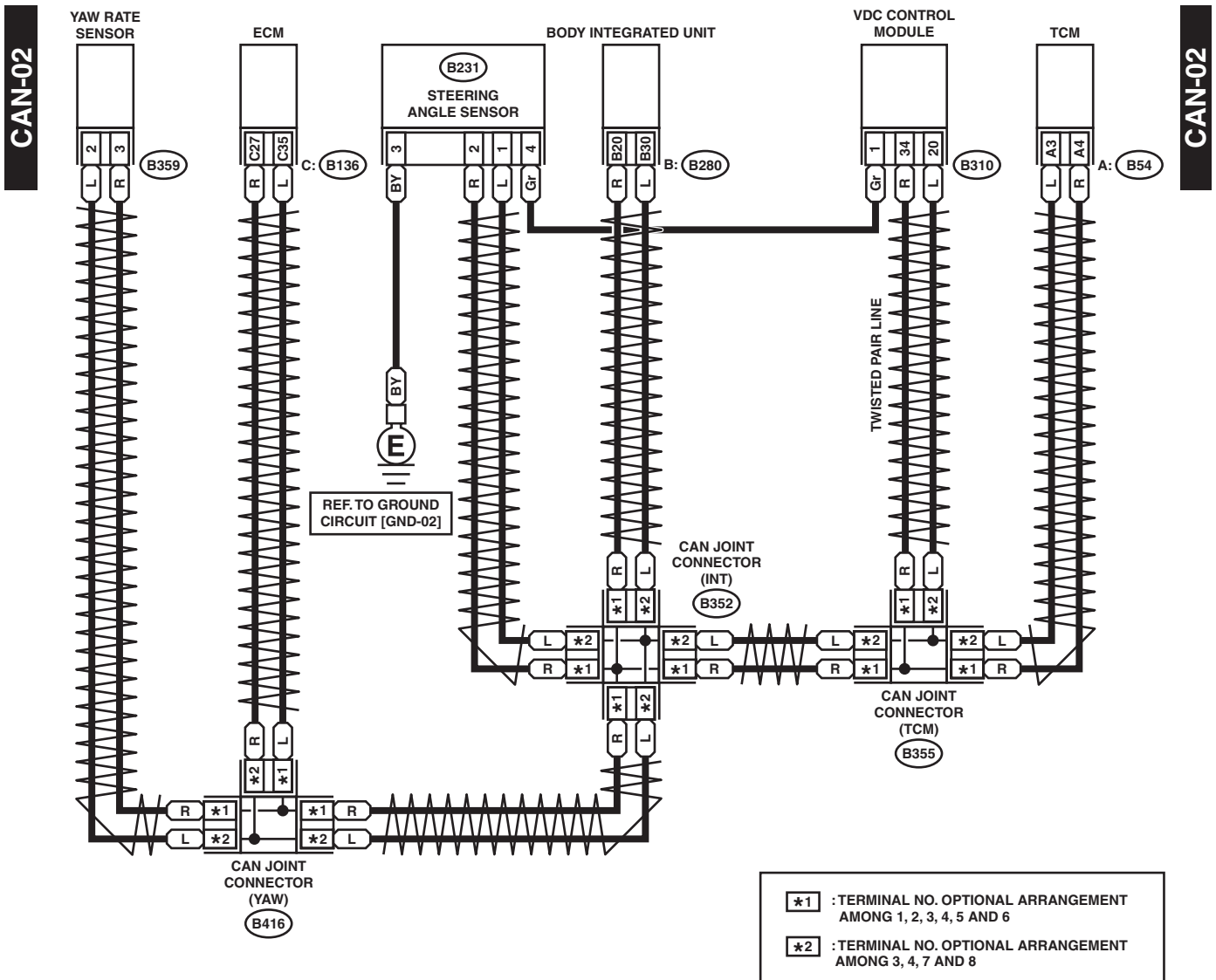
WIRING SYSTEM

16.CAN Communication System

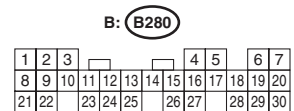
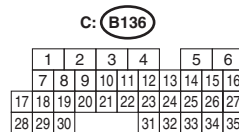
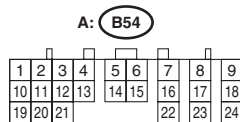
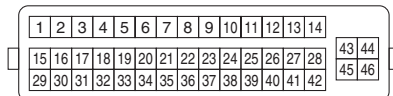
A: WIRING DIAGRAM



WI-08084



B310

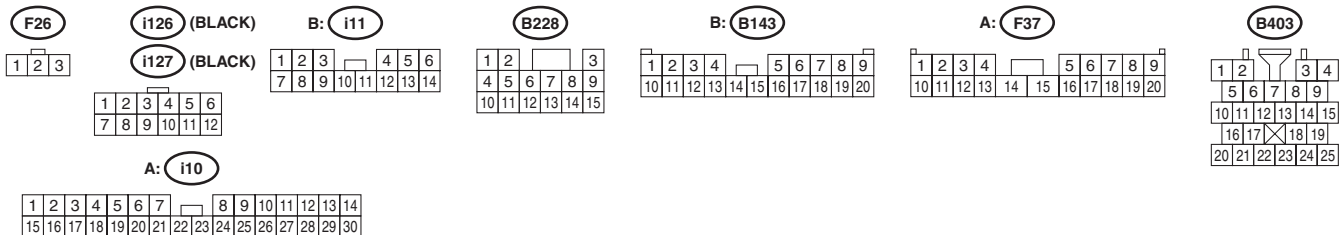
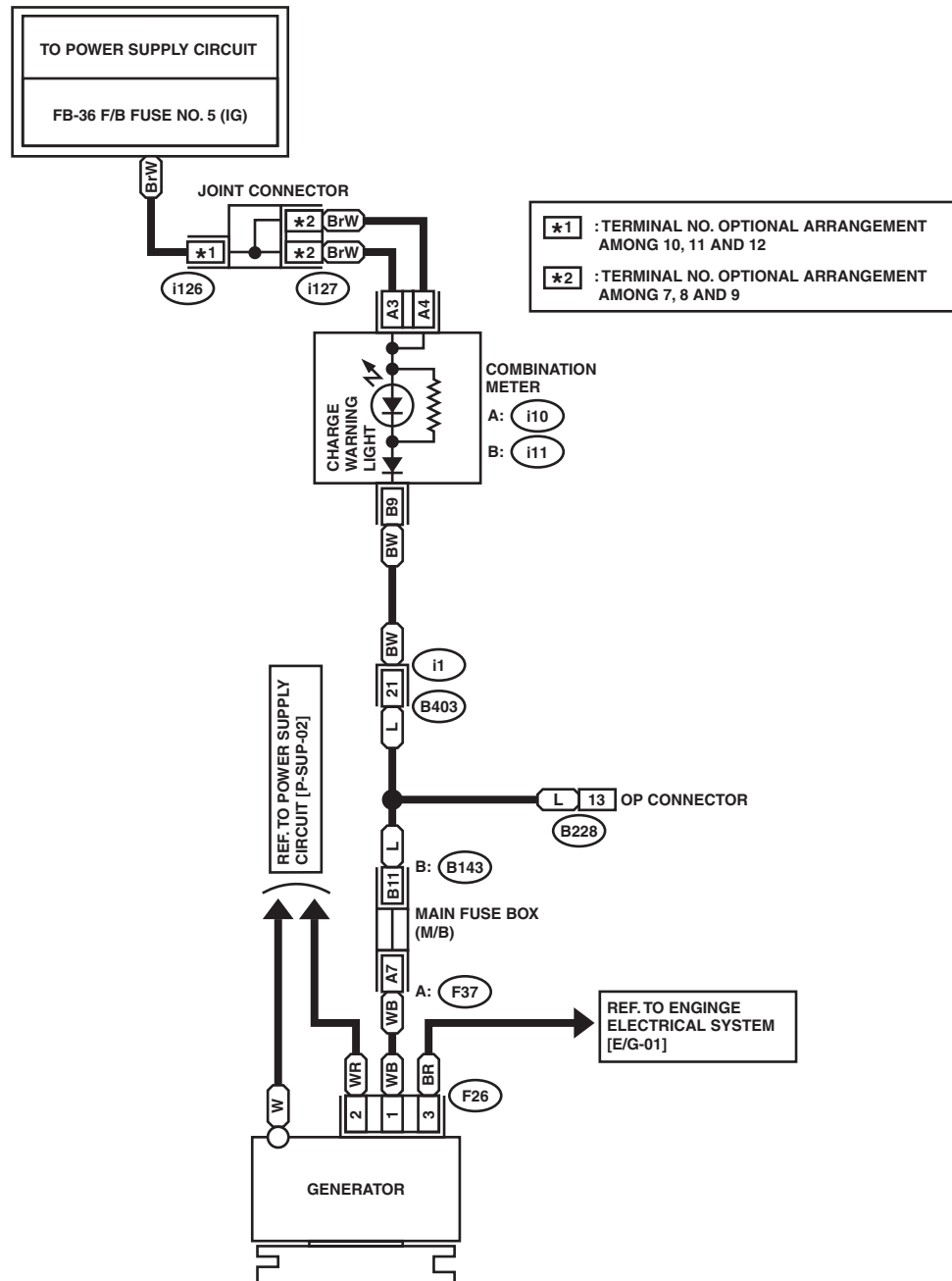


WI-08085

A: WIRING DIAGRAM

CHG-01

CHG-01



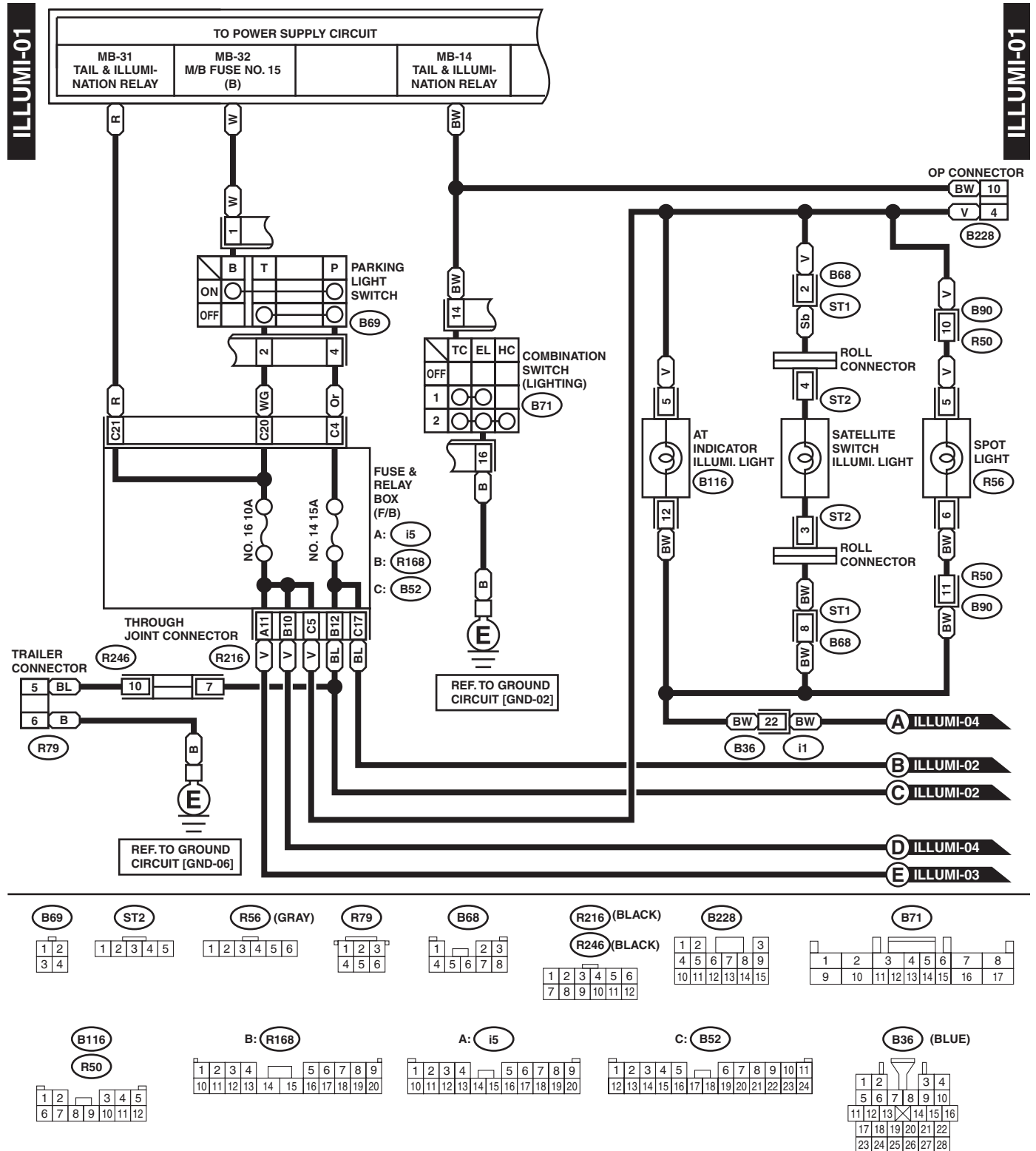
WI-08087

Clearance Light and Illumination Light System

WIRING SYSTEM

27. Clearance Light and Illumination Light System

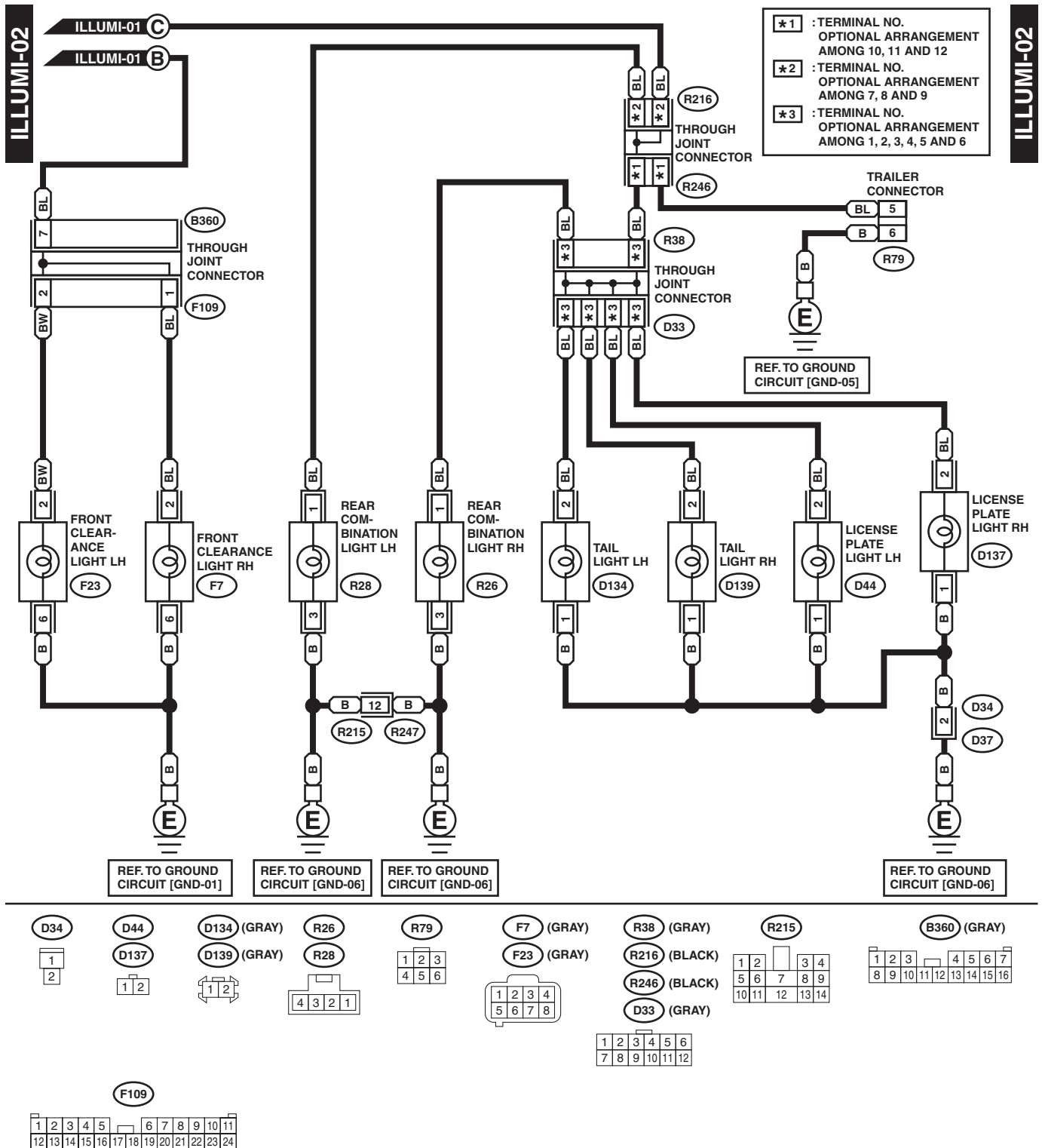
A: WIRING DIAGRAM



WI-08098

Clearance Light and Illumination Light System

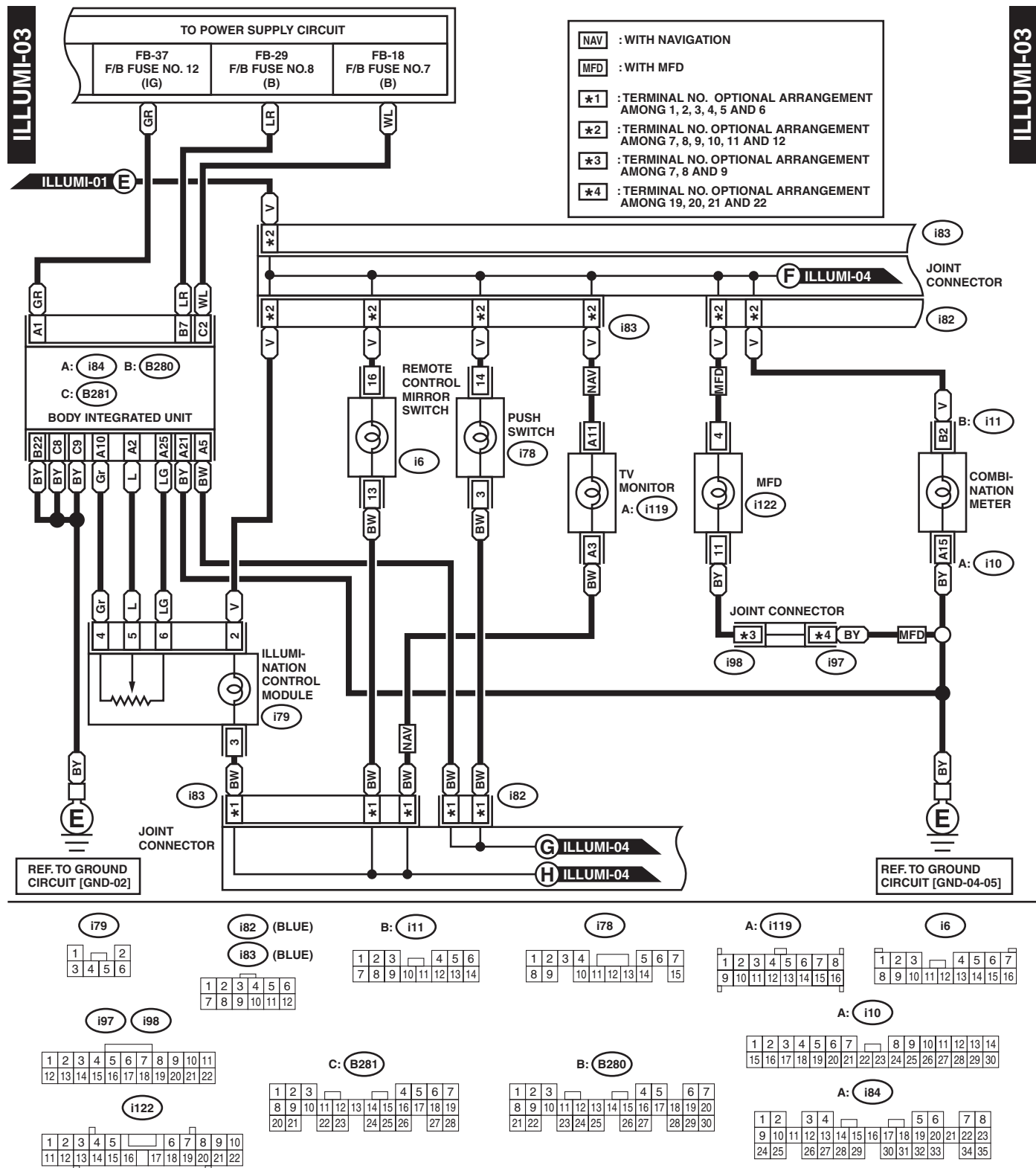
WIRING SYSTEM



WI-08099

Clearance Light and Illumination Light System

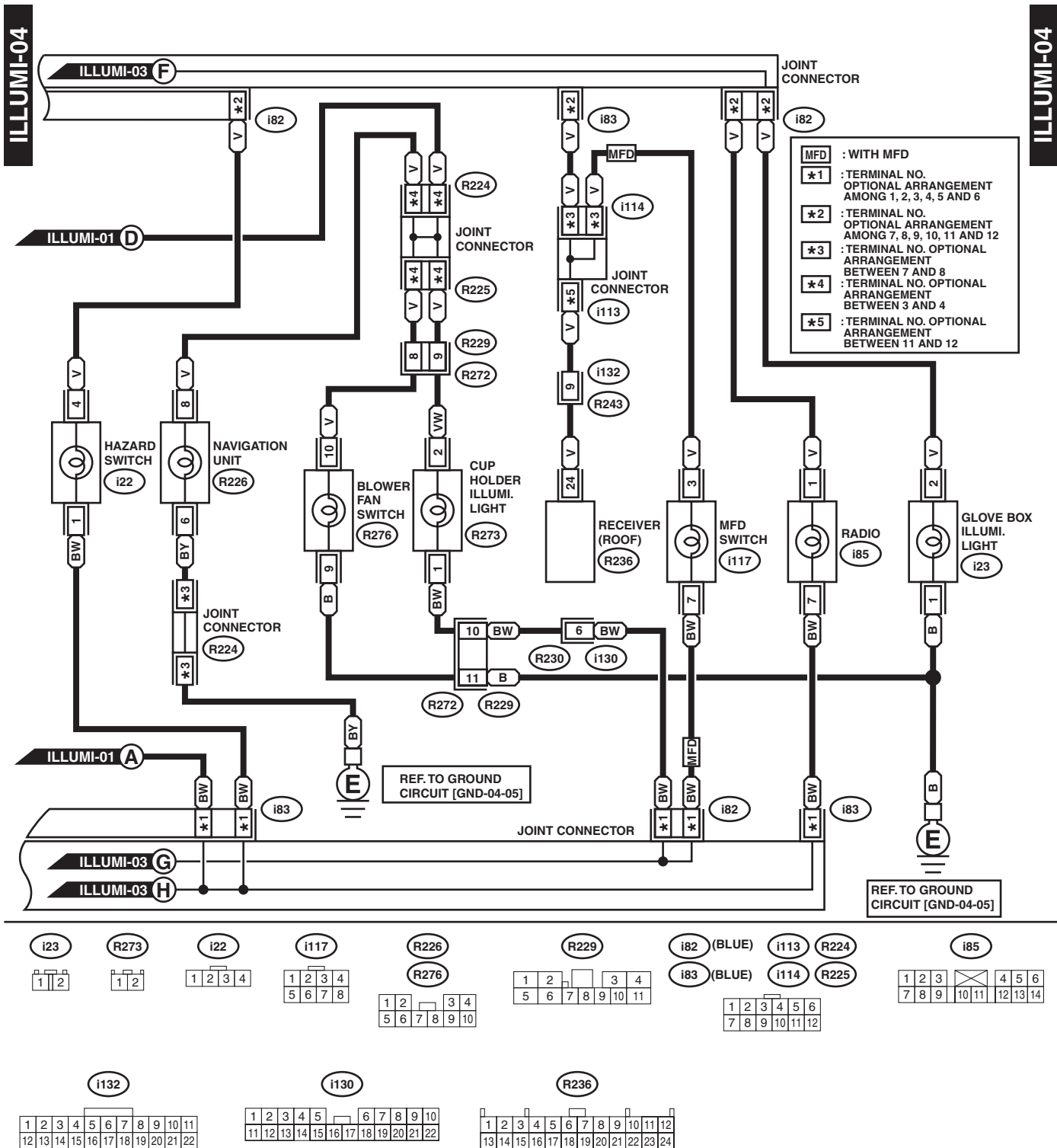
WIRING SYSTEM



WI-08100

Clearance Light and Illumination Light System

WIRING SYSTEM



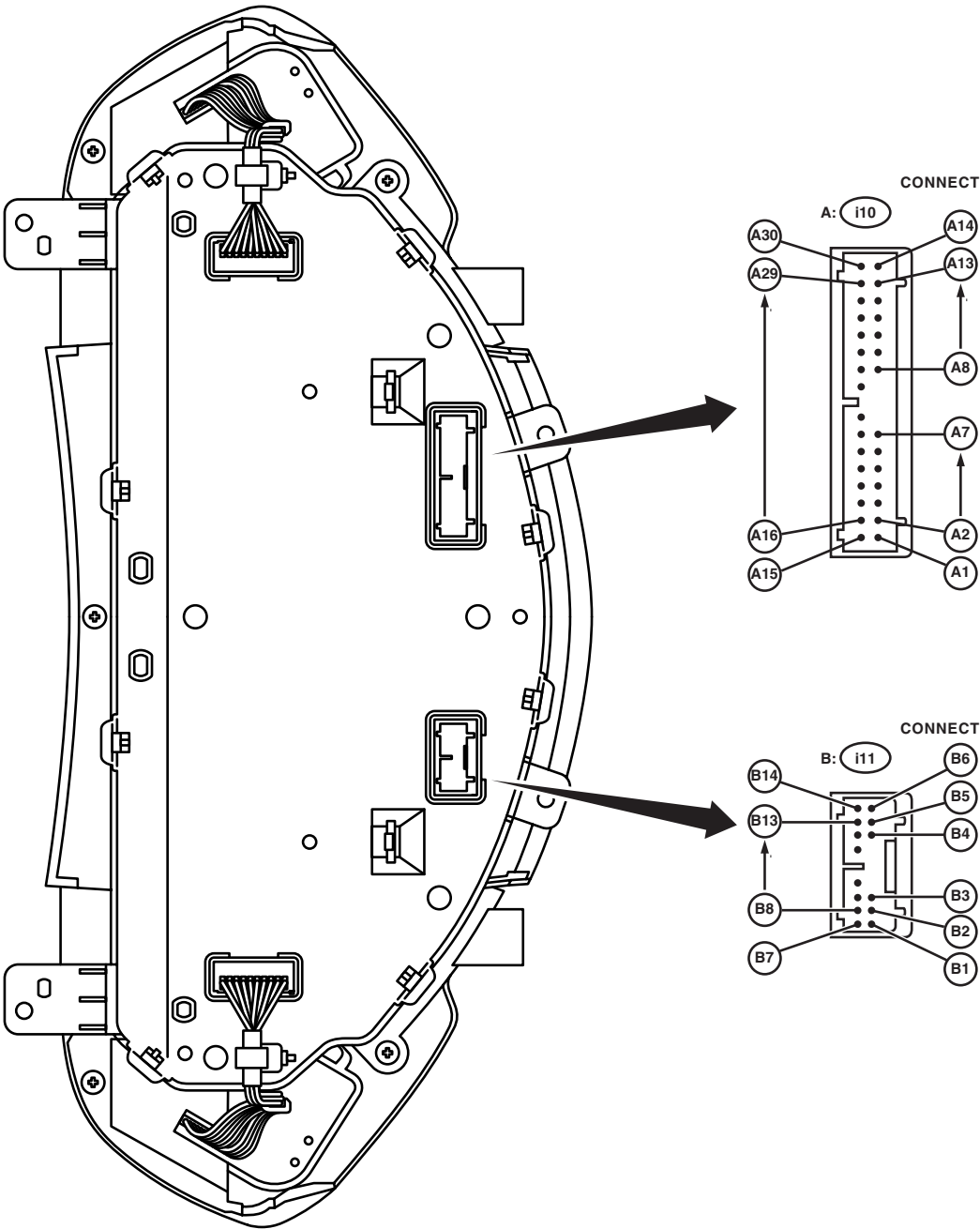
WI-08101

44. Combination Meter System

A: WIRING DIAGRAM

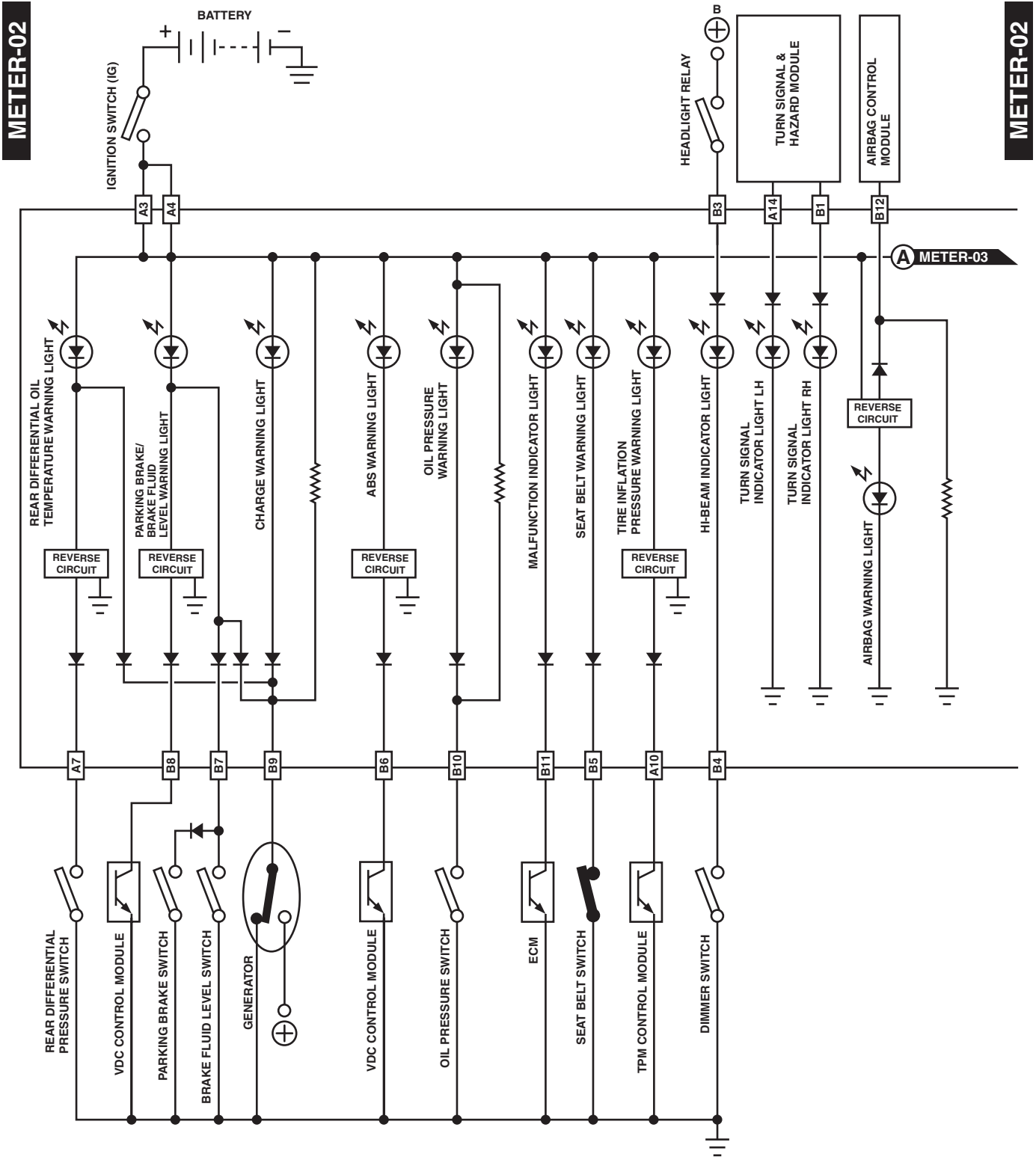
METER-01

METER-01



Combination Meter System

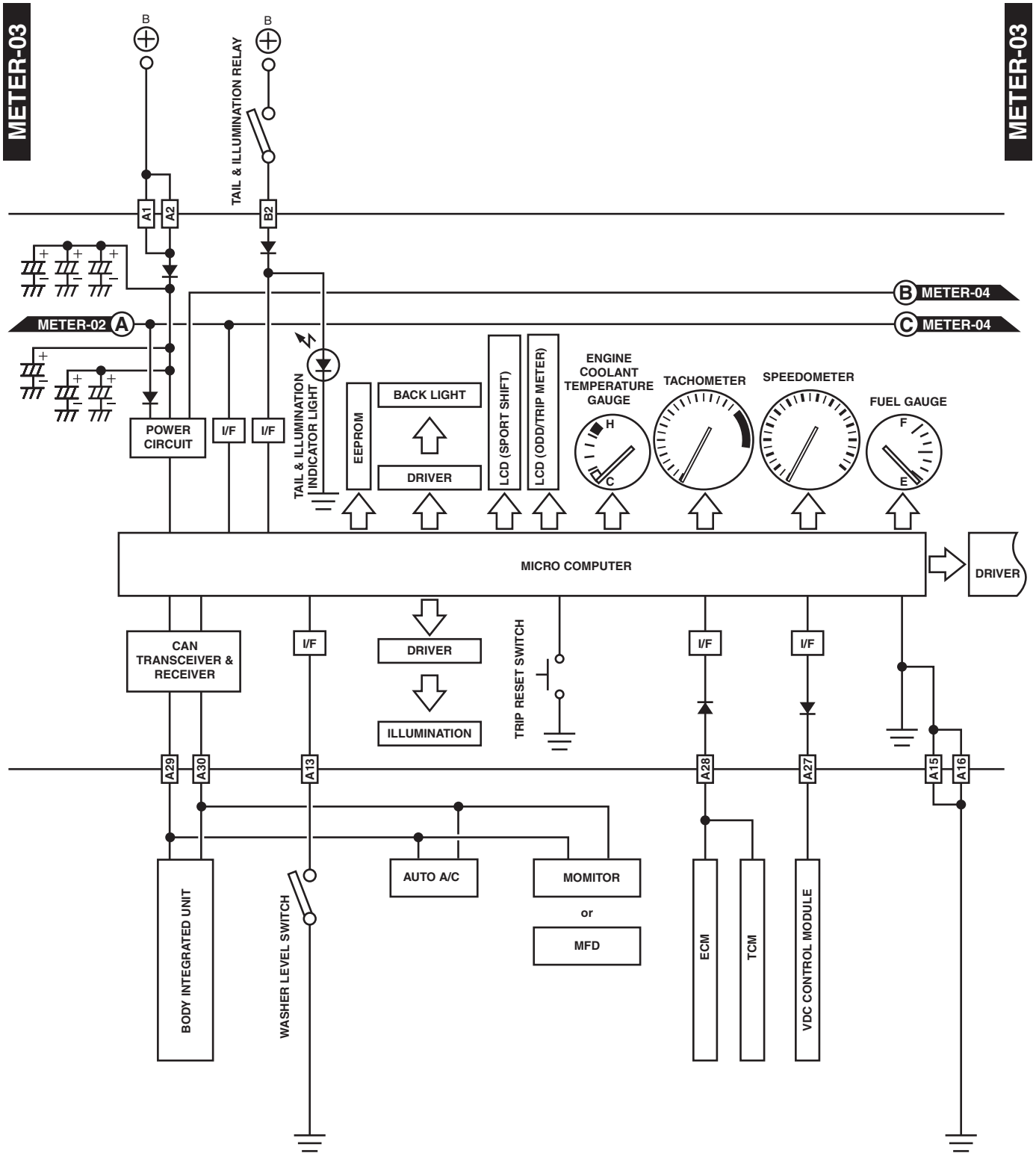
WIRING SYSTEM



WI-08134

Combination Meter System

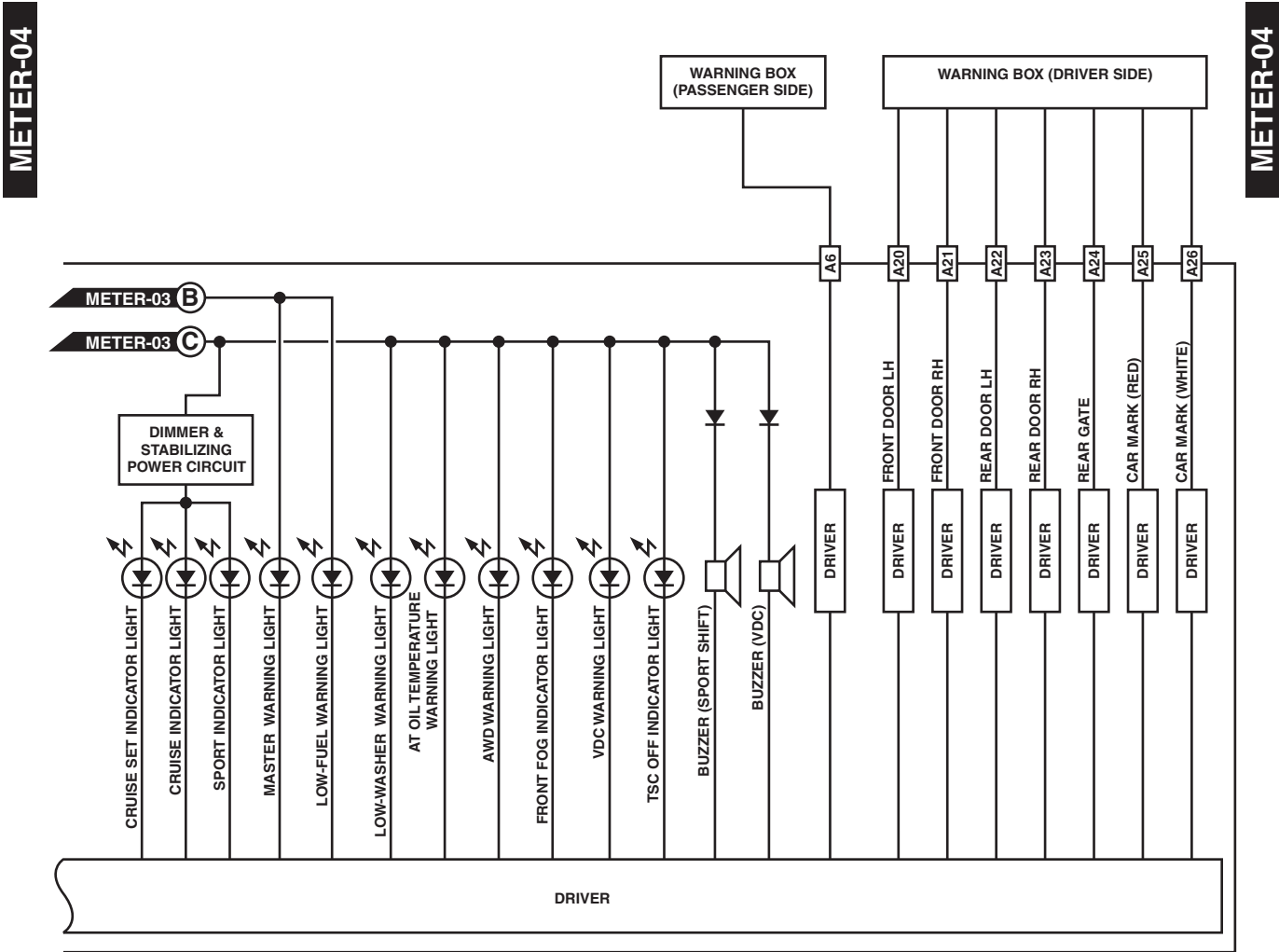
WIRING SYSTEM



WI-08135

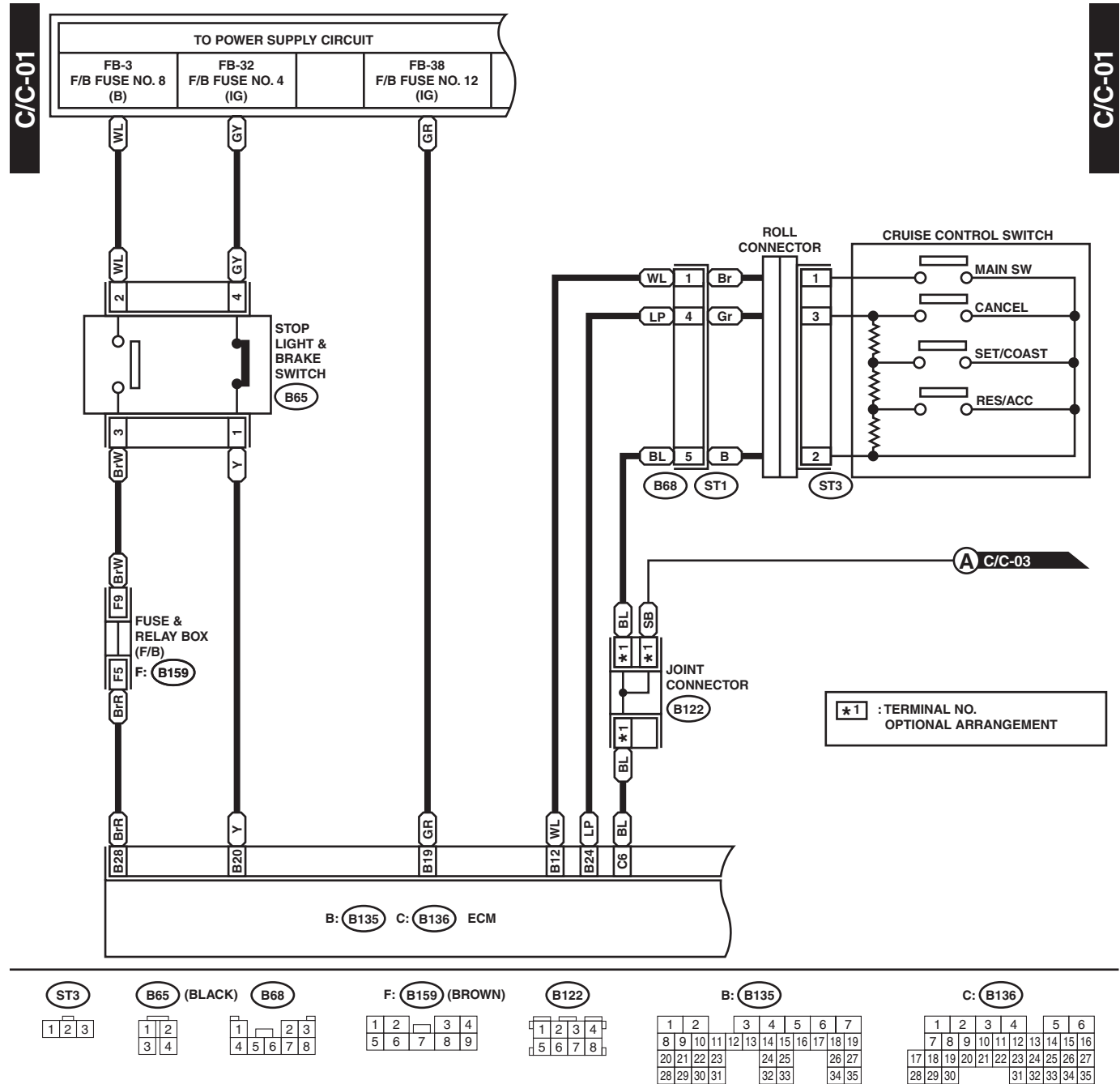
Combination Meter System

WIRING SYSTEM



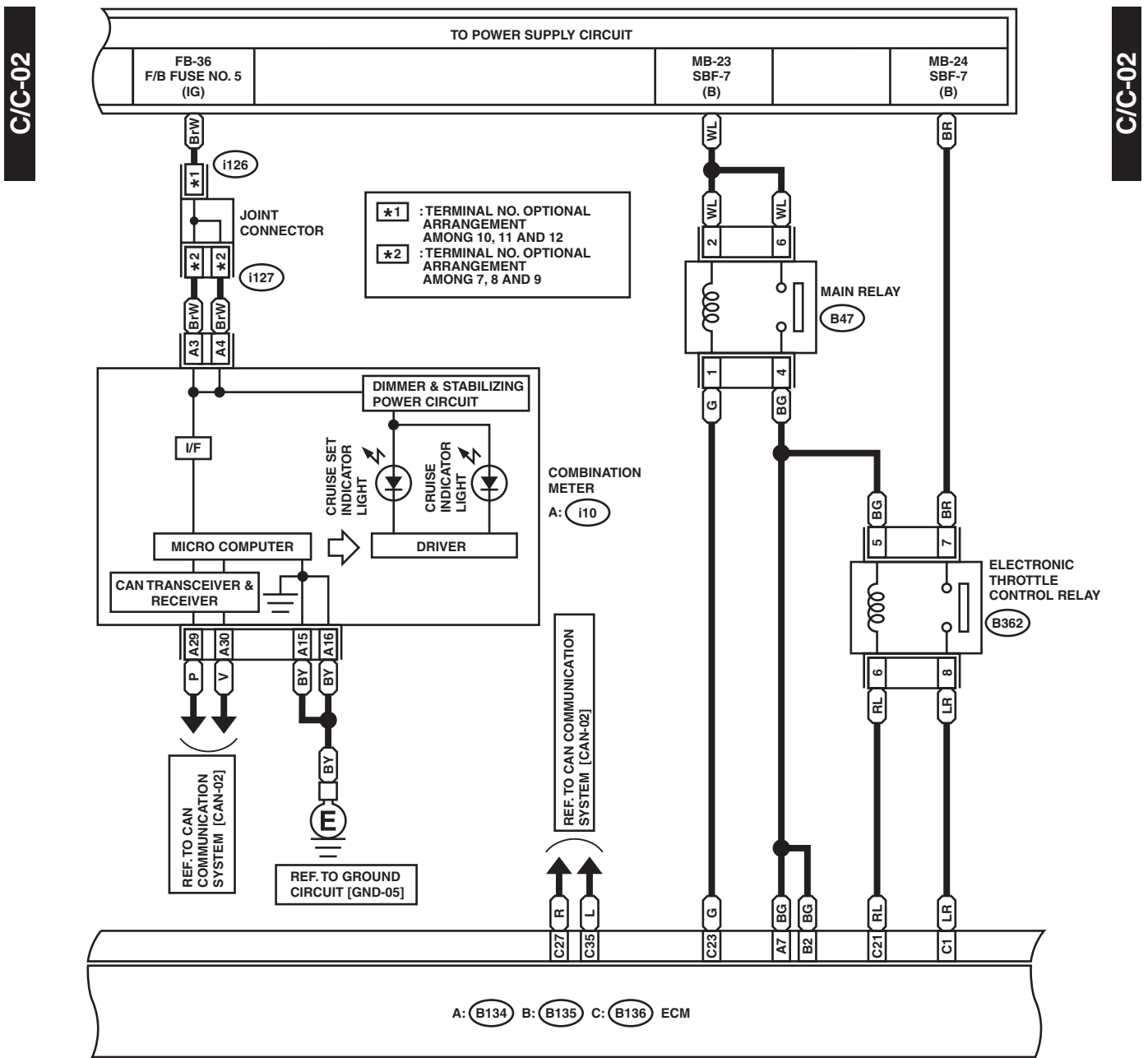
15. Cruise Control System

A: WIRING DIAGRAM

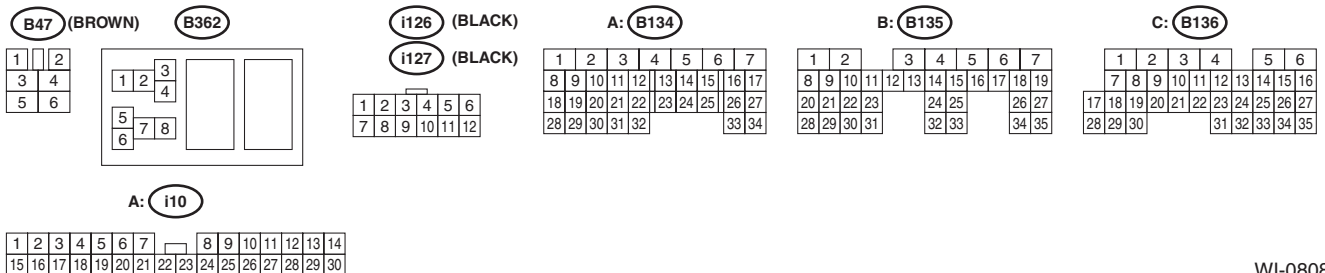


Cruise Control System

WIRING SYSTEM



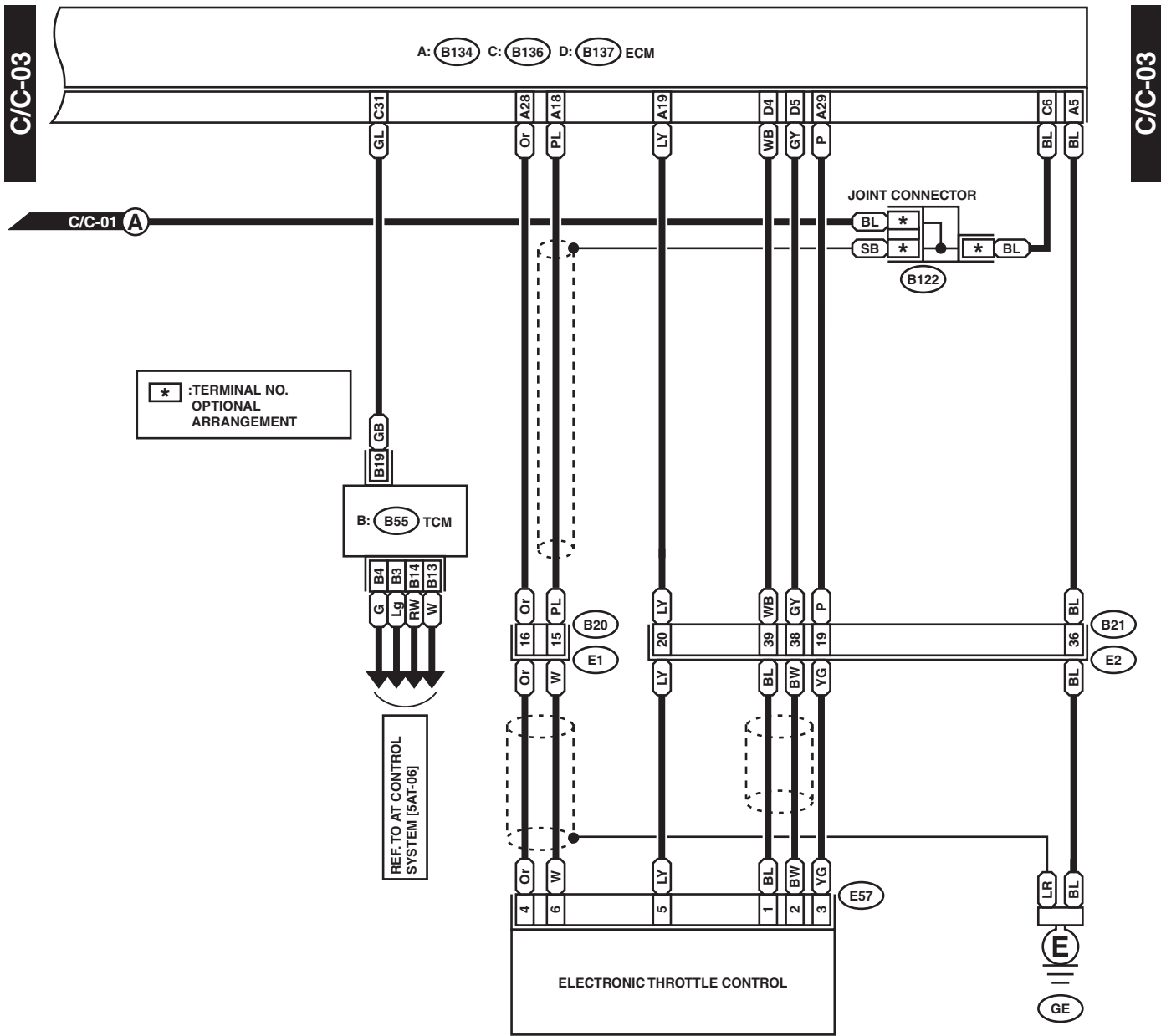
C/C-02



WI-08082

Cruise Control System

WIRING SYSTEM



E57 (BLACK)

1	2	3	4	5	6
---	---	---	---	---	---

B122

1	2	3	4
5	6	7	8

B20

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

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

B21

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
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	

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-08083

Door Cord

WIRING SYSTEM

61.Door Cord

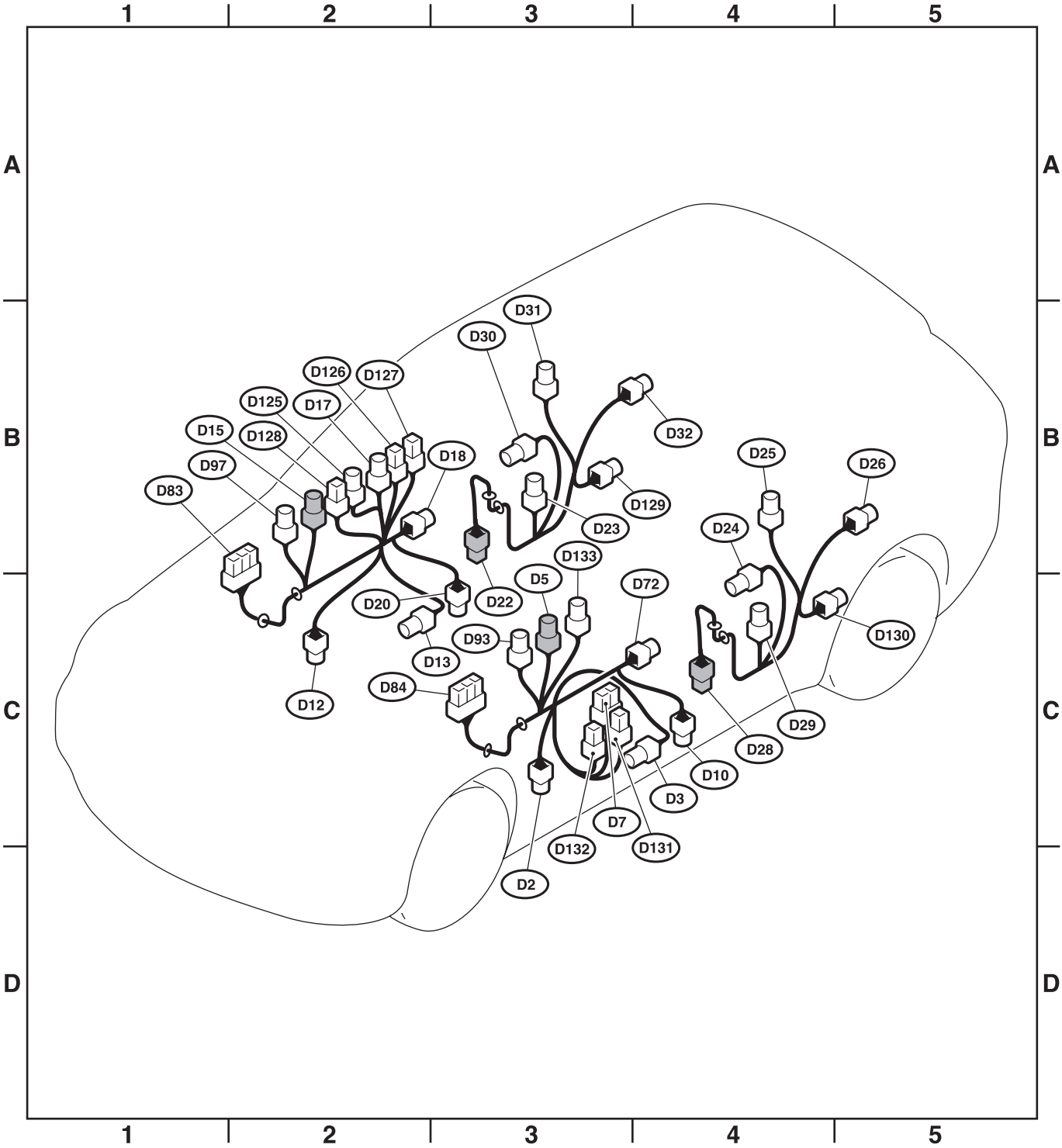
A: LOCATION

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
D2	2	★	C-3		Front door speaker LH
D3	2	Gray	C-4		Front power window motor LH
D5	8	Gray	C-3		Remote control mirror LH
D7	16	★	C-3		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	8	Gray	B-2		Remote control mirror RH
D17	8	★	B-2		Front power window sub switch RH
D18	4	★	B-2		Front door lock actuator RH
D20	2	★	C-3		Front step light RH
D22	10	★	B-3	R10	Rear wiring harness RH
D23	2	Black	B-3		Rear door speaker RH
D24	2	Gray	C-4		Rear power window motor LH
D25	8	★	B-4		Rear power window sub switch LH
D26	4	★	B-5		Rear door lock actuator LH
D28	10	★	C-4	R13	Rear wiring harness LH
D29	2	Black	C-4		Rear door speaker LH
D30	2	Gray	B-3		Rear power window motor RH
D31	8	★	B-3		Rear power window sub switch RH
D32	4	★	B-3		Rear door lock actuator RH
D72	4	★	C-4		Front door lock actuator LH
D83	25	★	B-2	i76	Instrument panel wiring harness
D84	25	★	C-3	i101	
D93	2	★	C-3		Front door tweeter LH
D97	2	★	B-2		Front door tweeter RH
D125	5	★	B-2		Passenger's seat door lock switch
D126	4	★	B-2		Joint connector
D127	4	★	B-2		
D128	6	★	B-2		
D129	2	★	B-3		Rear step light RH
D130	2	★	C-4		Rear step light LH
D131	4	★	C-3		Joint connector
D132	4	★	C-3		
D133	4	★	C-3		

★ : White or natural color

Door Cord

WIRING SYSTEM



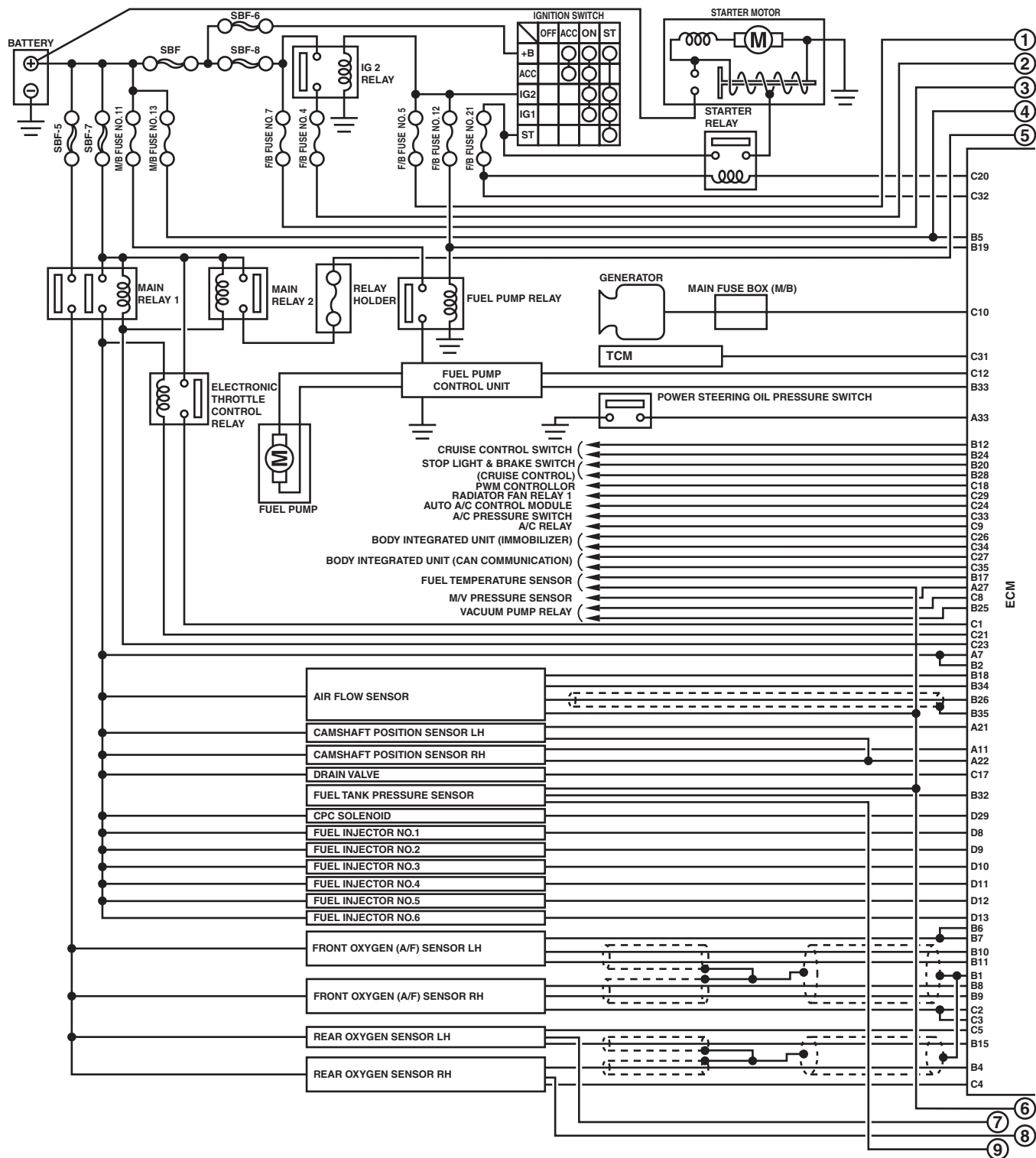
WI-08157

Engine Electrical System

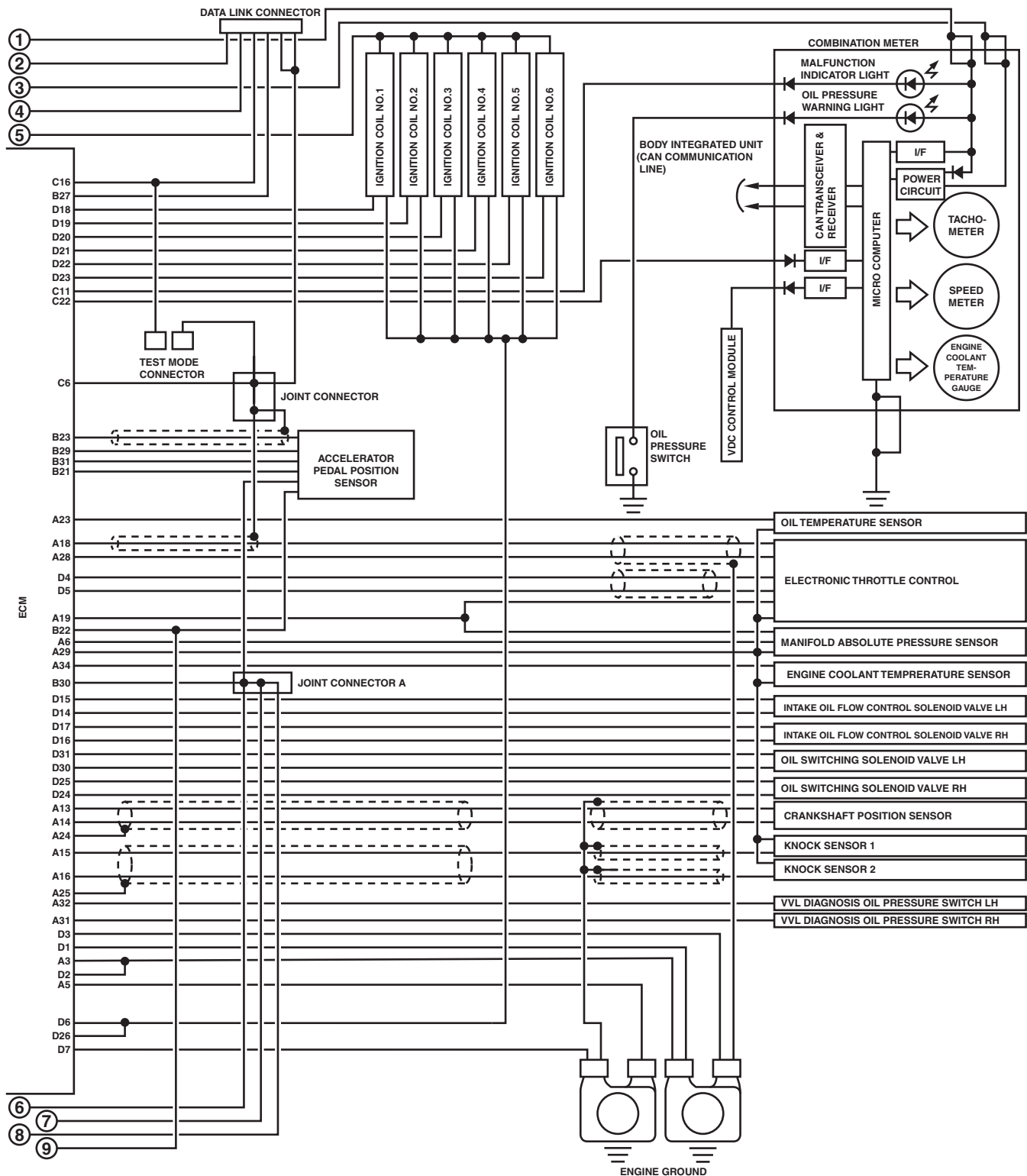
WIRING SYSTEM

5. Engine Electrical System

A: WIRING DIAGRAM



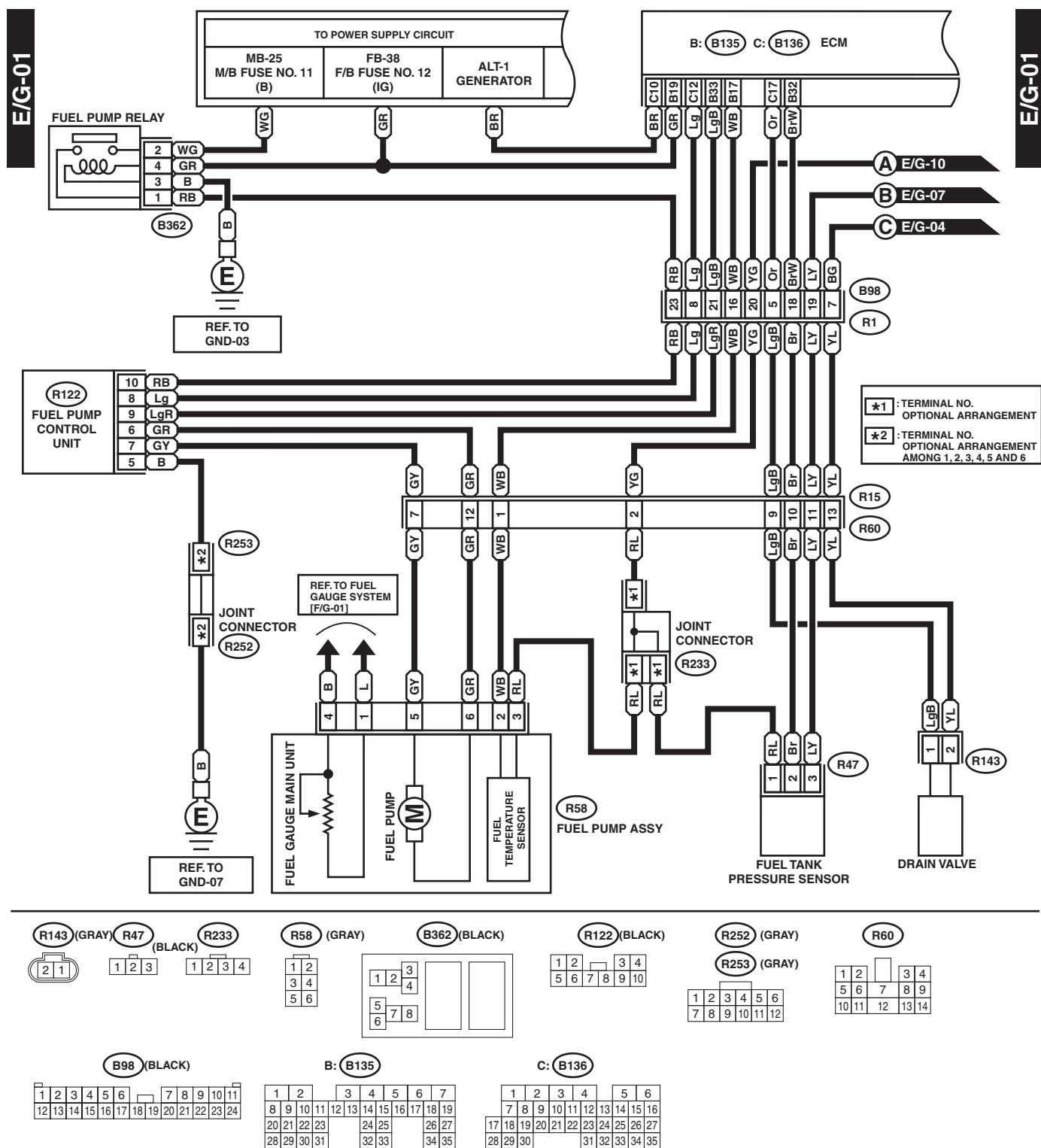
WI-08039



WI-08040

Engine Electrical System

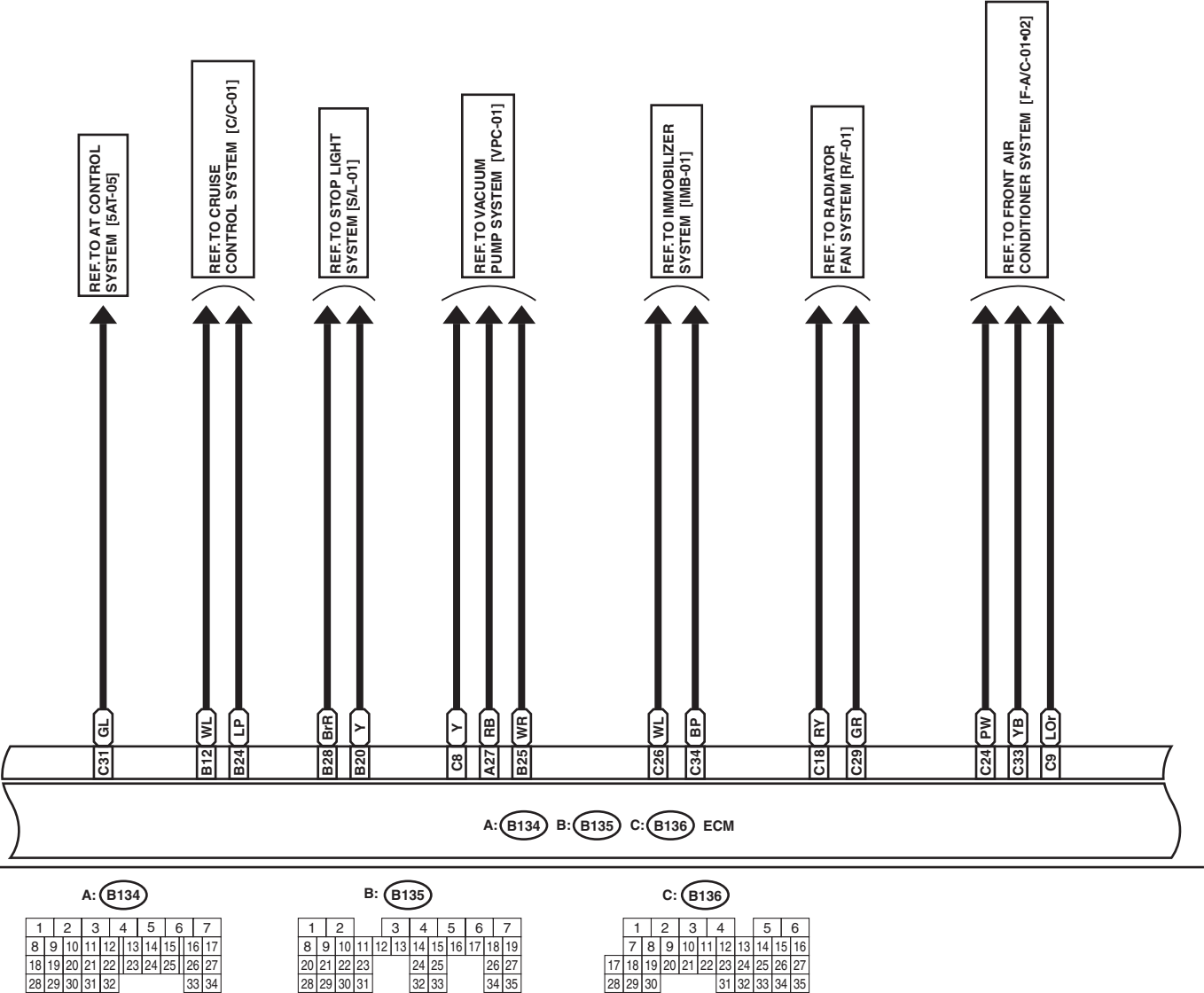
WIRING SYSTEM



WI-08041

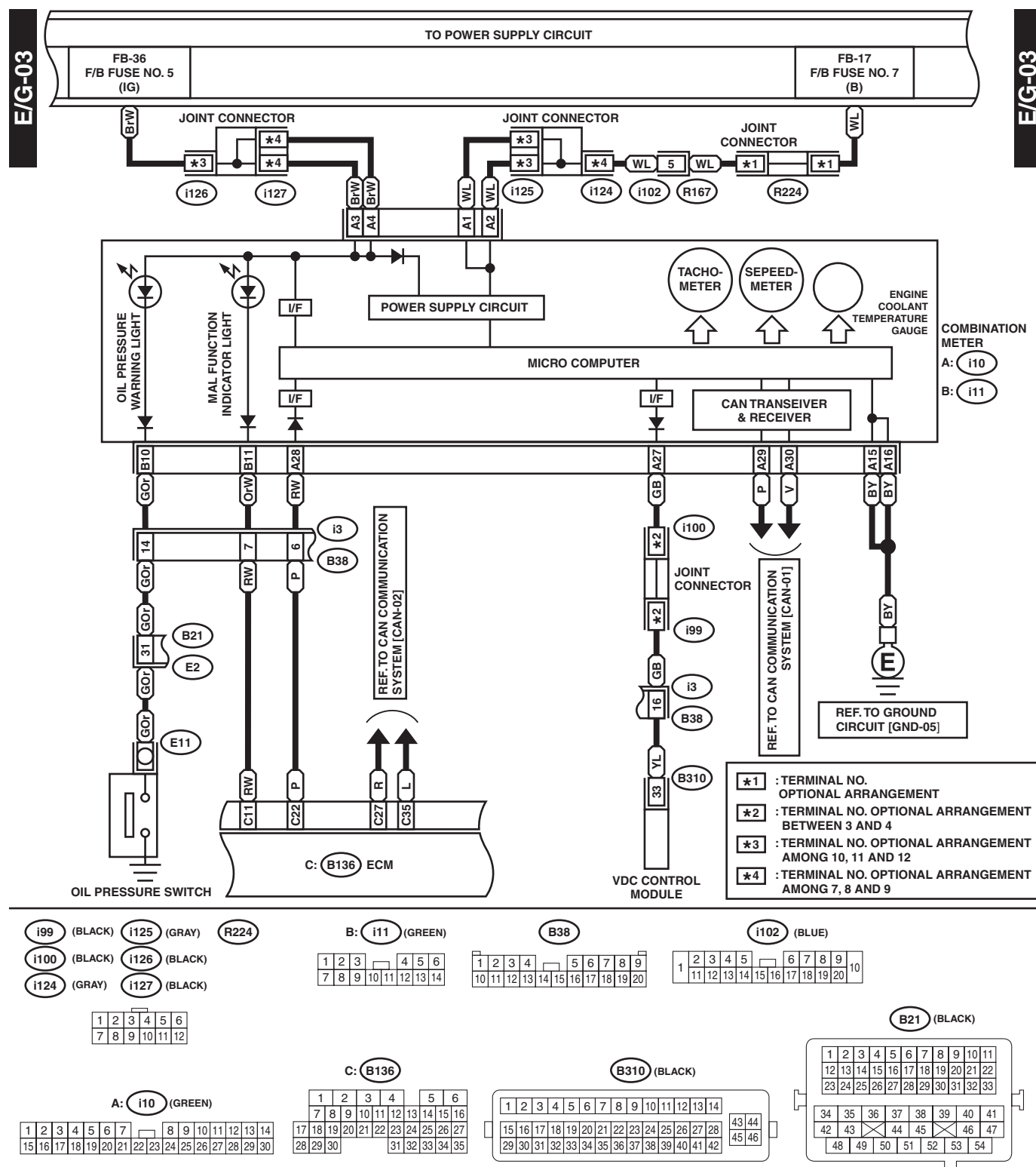
E/G-02

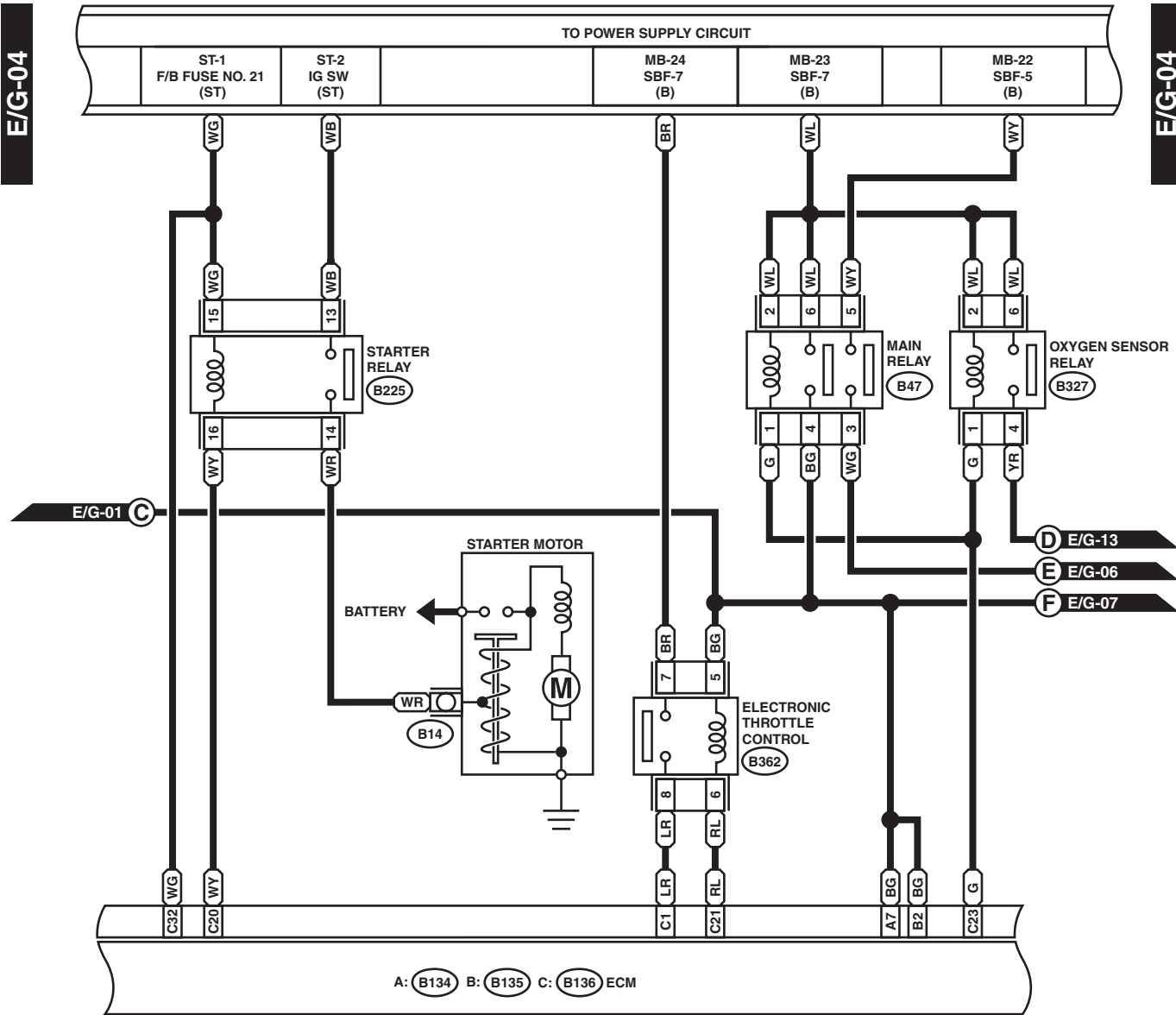
E/G-02



Engine Electrical System

WIRING SYSTEM





(B47) (BROWN)

(B362) (BLACK)

A: (B134)

B: (B135)

C: (B136)

(B327) (BROWN)

1	2
3	4
5	6

1	2	3
4	5	6
7	8	

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	

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	

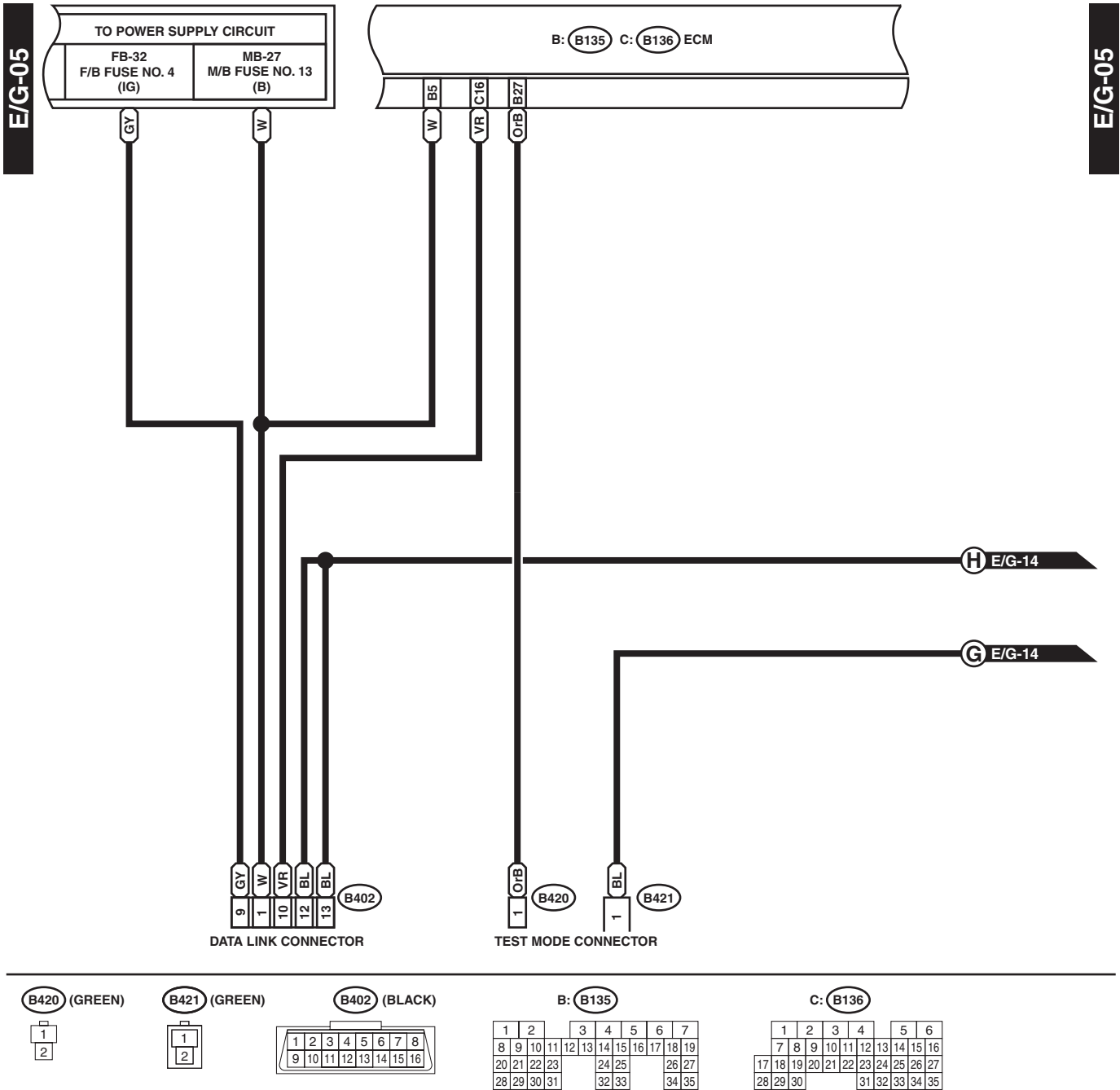
(B225) (BLACK)

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	31	35	39
		28	32	36	40

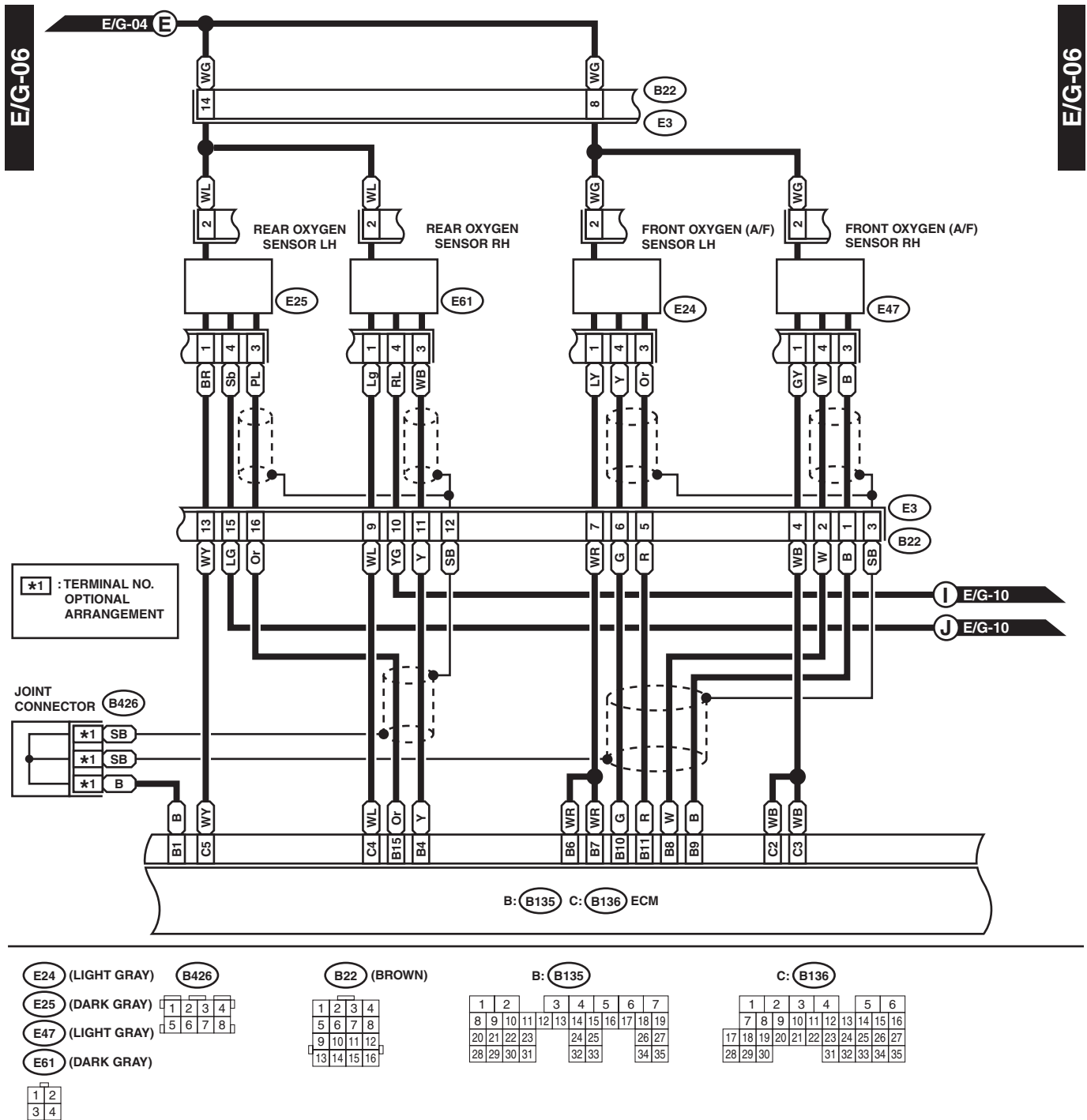
WI-08044

Engine Electrical System

WIRING SYSTEM

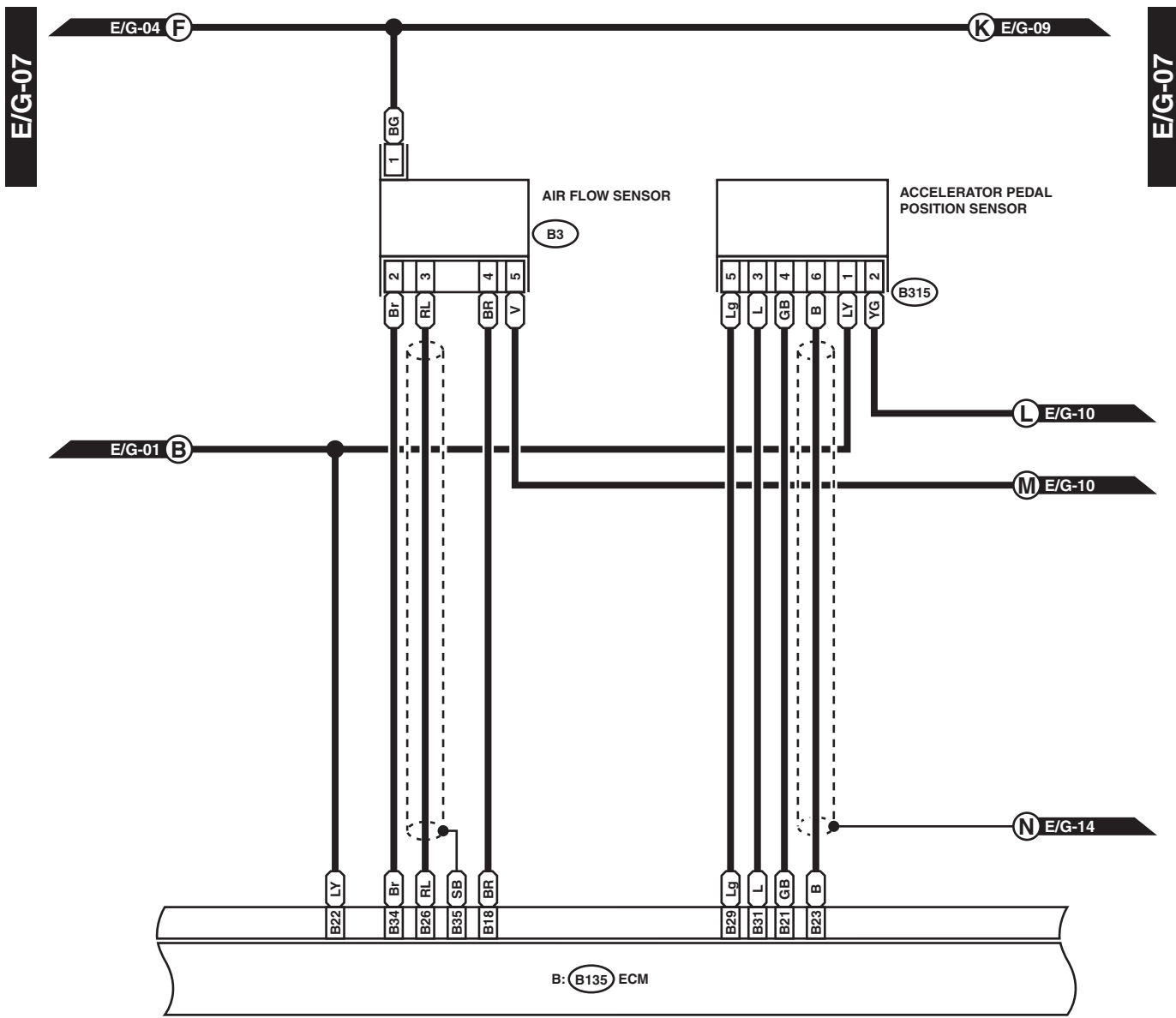


WI-08045



Engine Electrical System

WIRING SYSTEM



B3 (BLACK)

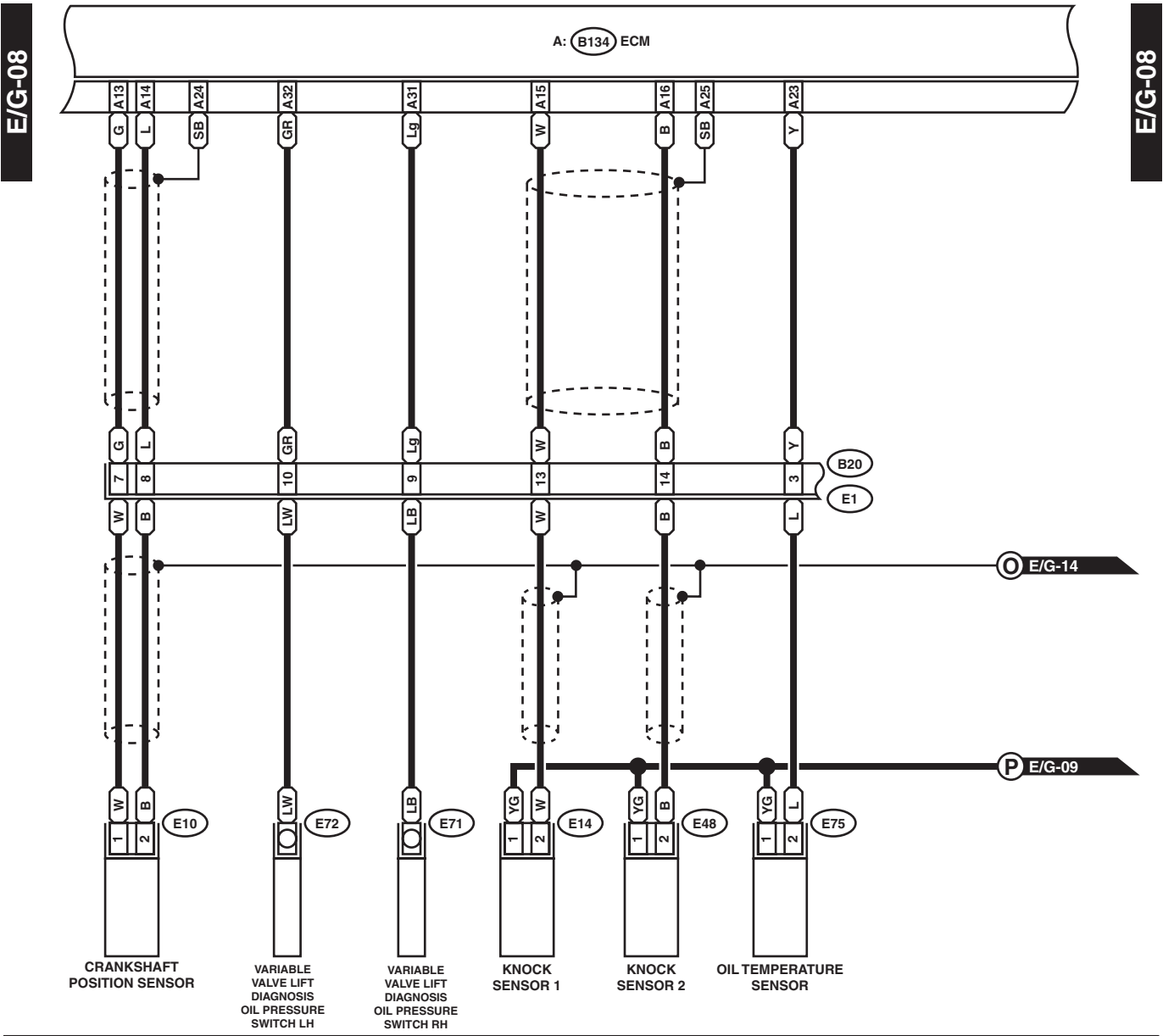
B315 (BLACK)

B: B135

1	2	3	4	5
---	---	---	---	---

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



E10 (LIGHT GRAY)

B20 (BROWN)

A: B134

E14 (GREEN)

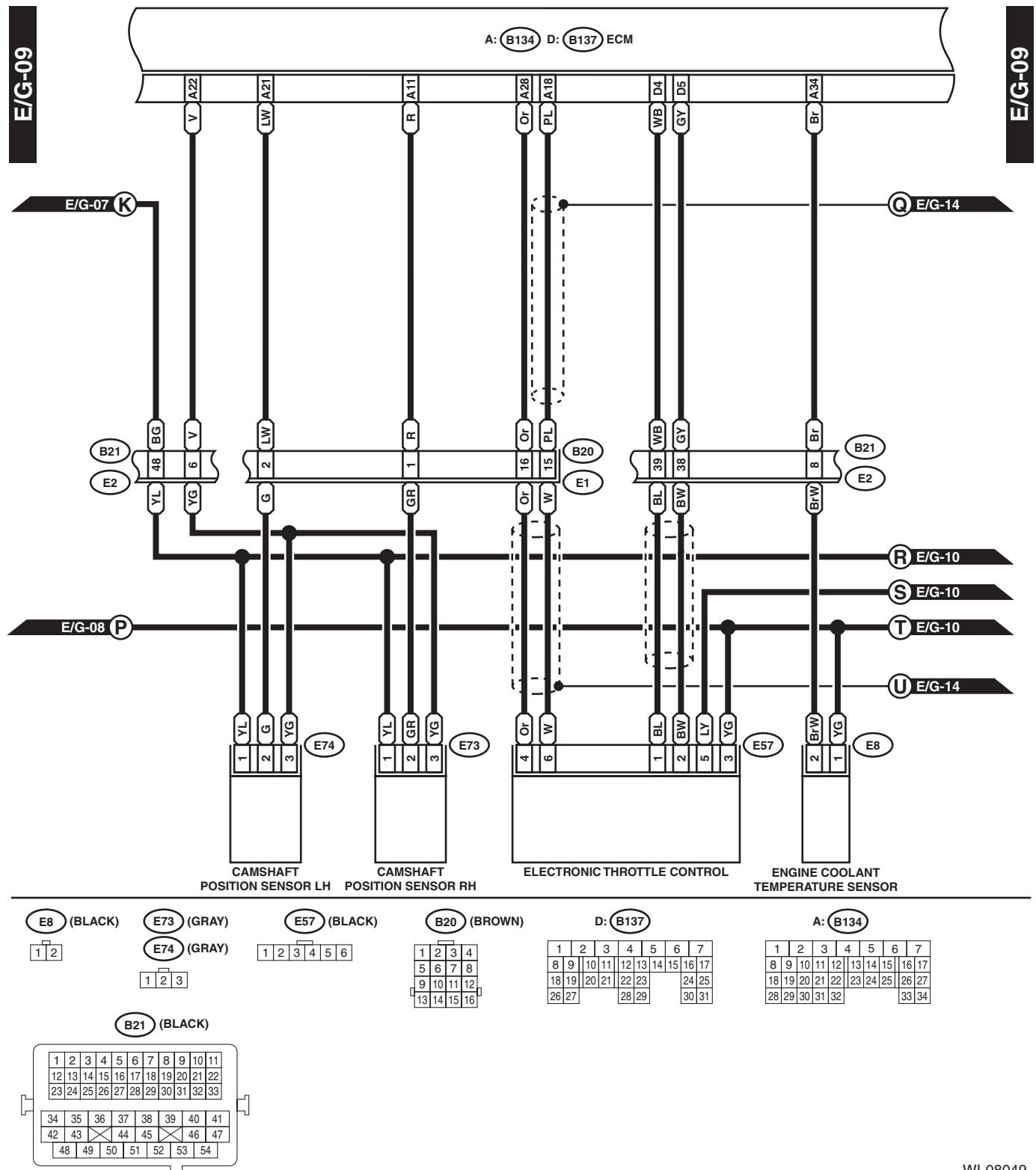
1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16

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

E48 (GREEN)

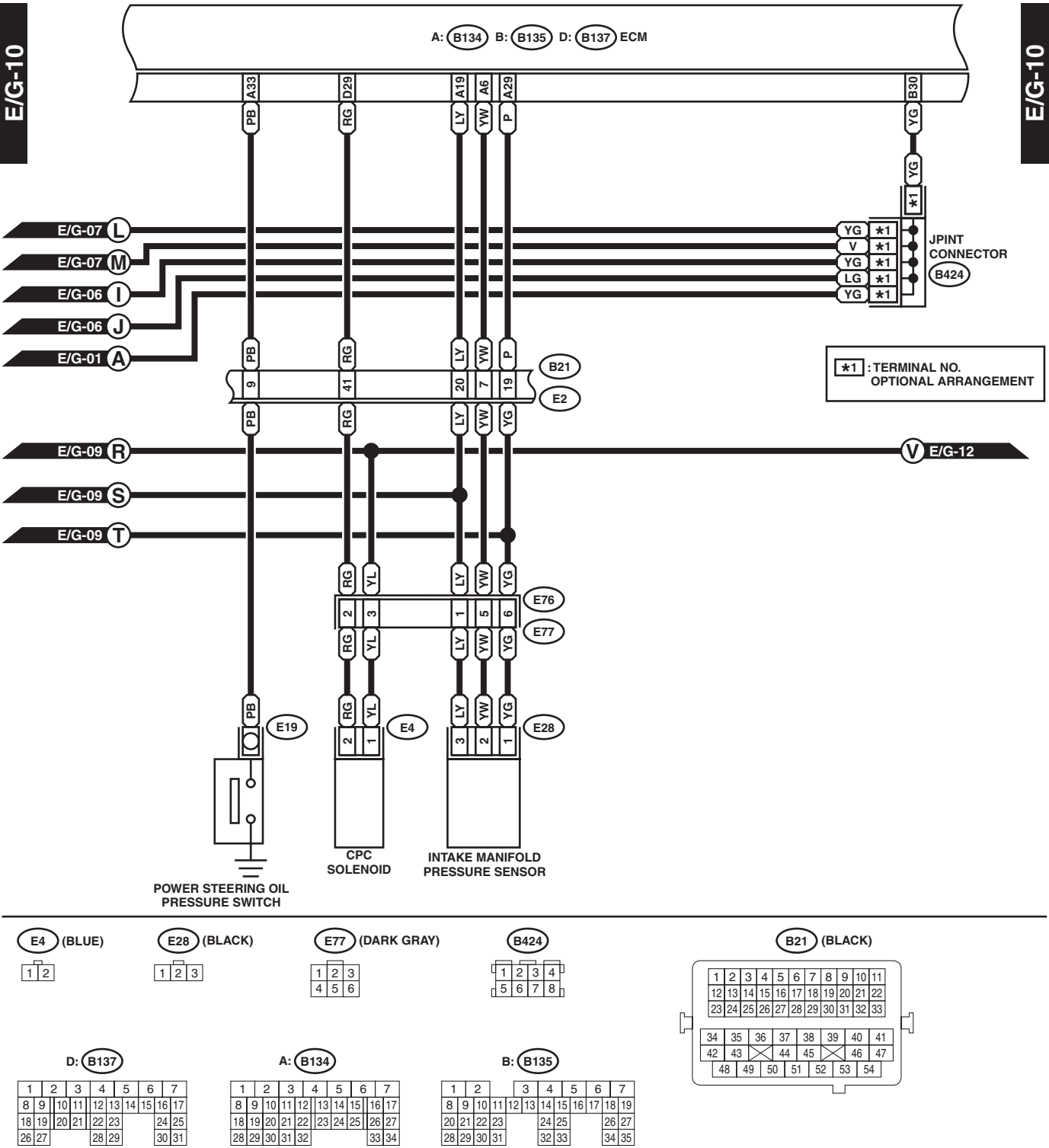
E75 (BLACK)

1	2
---	---



Engine Electrical System

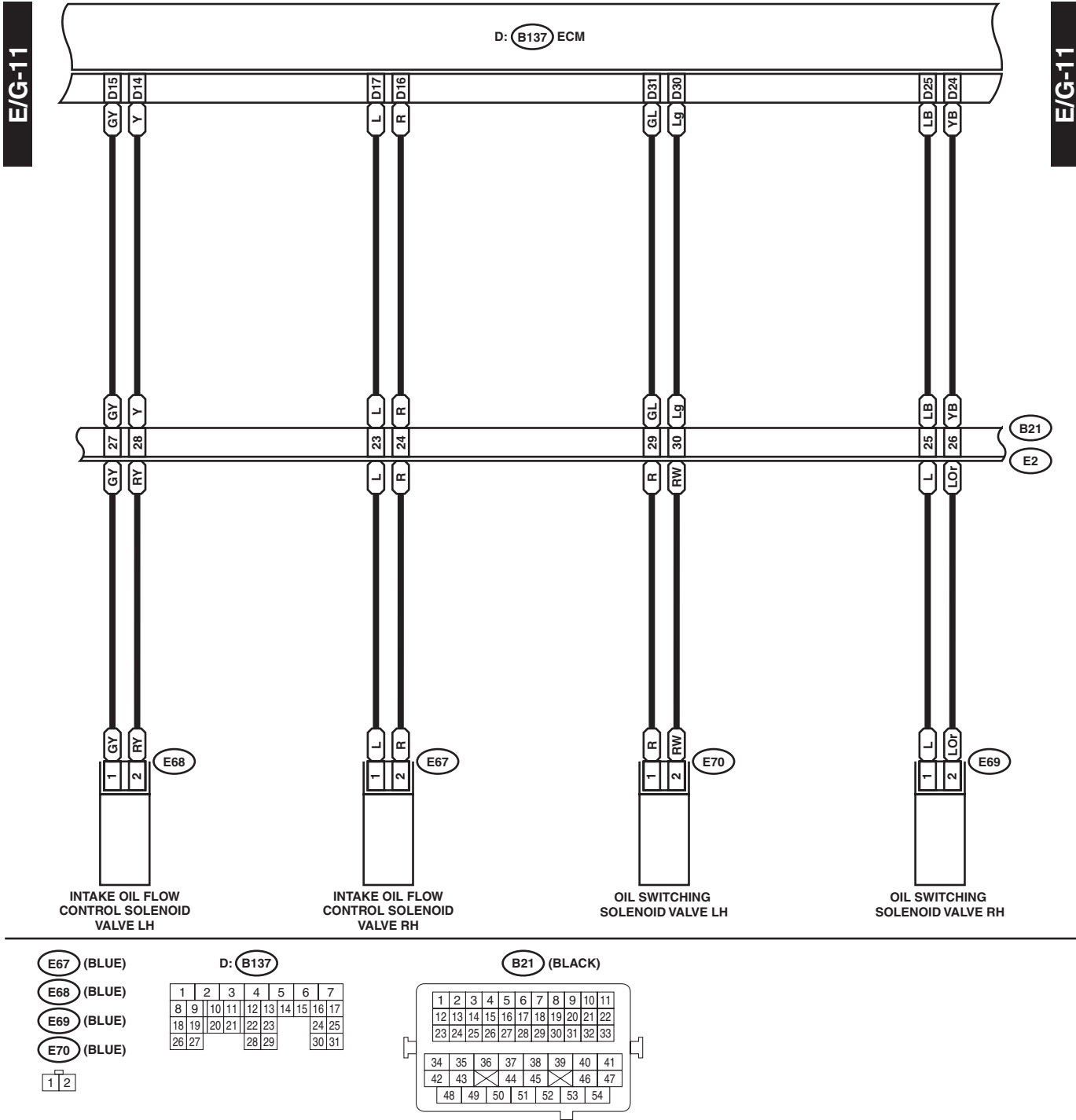
WIRING SYSTEM



WI-08050

Engine Electrical System

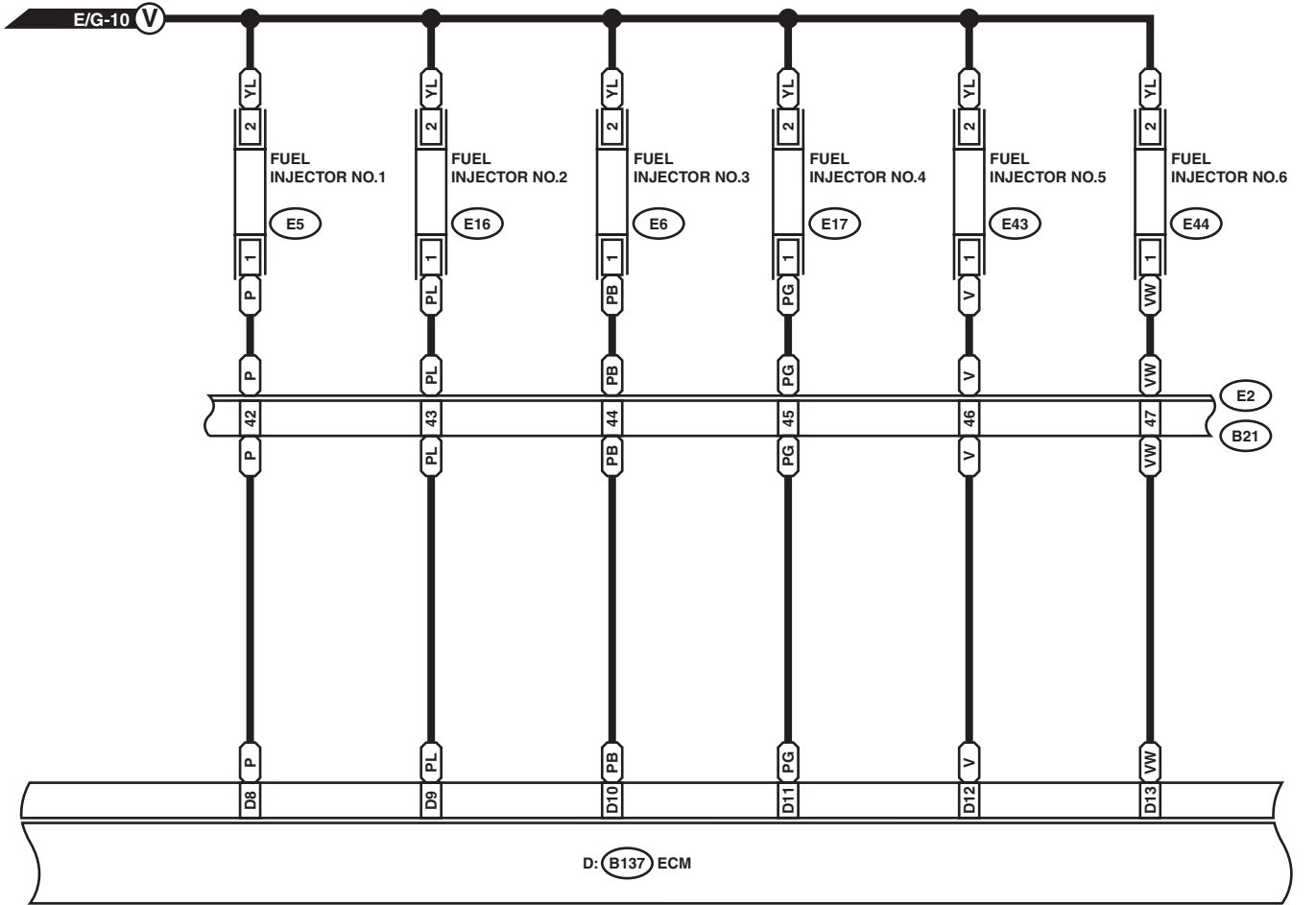
WIRING SYSTEM



WI-08051

E/G-12

E/G-12



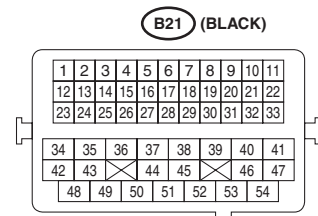
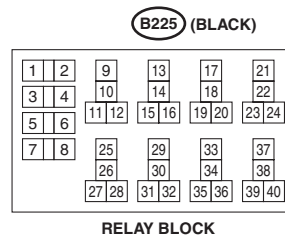
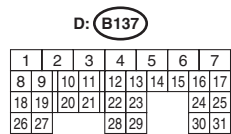
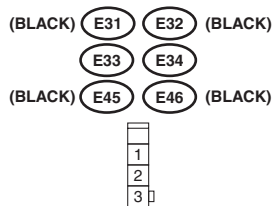
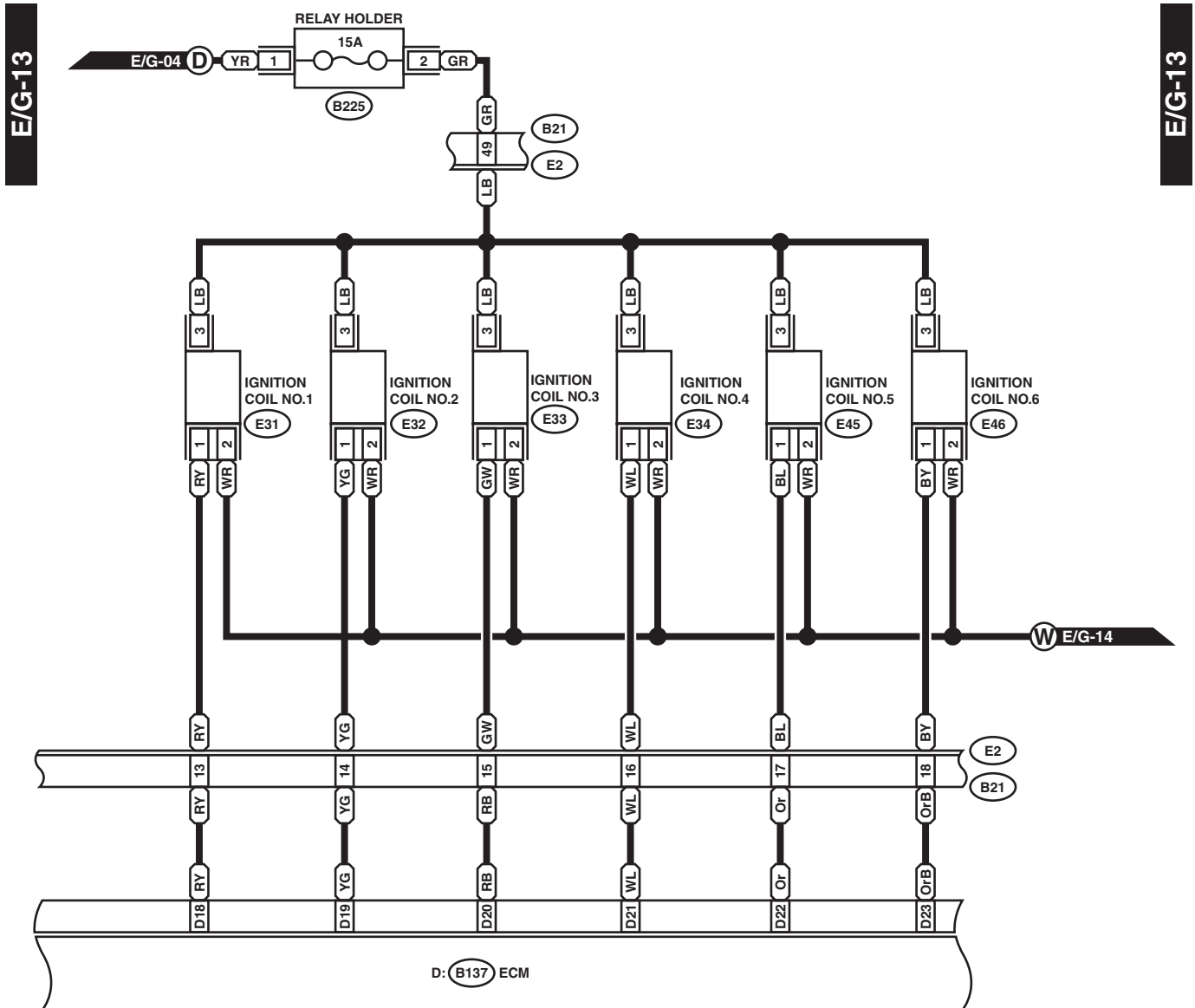
- (DARK GRAY) E5 (DARK GRAY) E17 (DARK GRAY)
(DARK GRAY) E6 (DARK GRAY) E43 (DARK GRAY)
(DARK GRAY) E16 (DARK GRAY) E44 (DARK GRAY)
- 1 2

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				

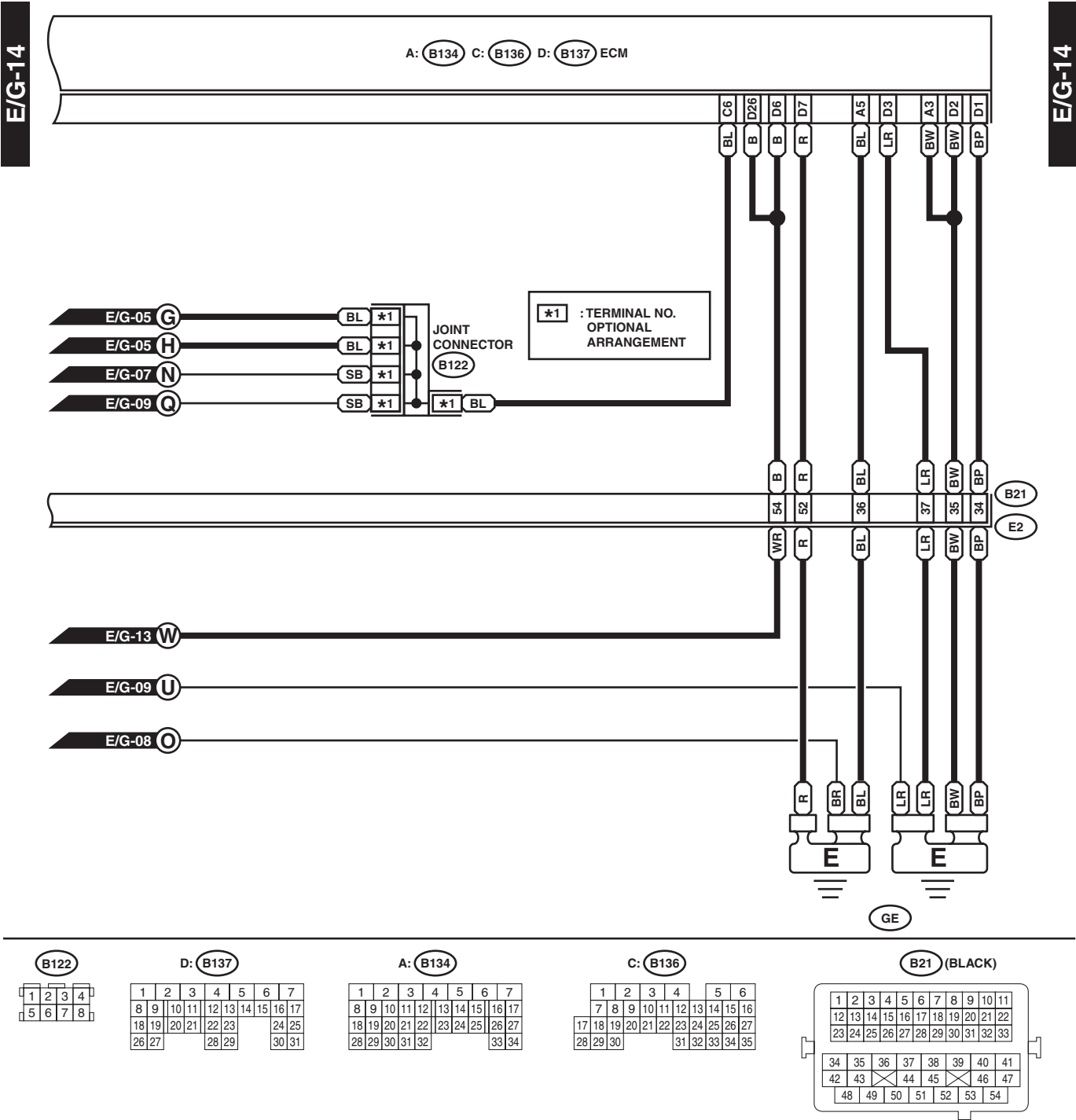
B21 (BLACK)

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



WI-08054

58.Engine Wiring Harness and Transmission Cord

A: LOCATION

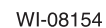
Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
E1	16	Brown	A-3	B20	Bulkhead wiring harness
E2	54	Black	A-3	B21	
E4	2	Blue	A-2		CPC Solenoid
E5	2	Dark gray	A-2		Fuel injector No.1
E6	2	Dark gray	A-2		Fuel injector No.3
E8	2	Black	B-4		Engine coolant temperature sensor
E10	2	Light gray	B-4		Crankshaft position sensor
E11	1	★	B-1		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
E28	3	Black	A-3		Intake manifold pressure sensor
E31	3	Black	B-1		Ignition coil No.1
E32	3	Black	C-4		Ignition coil No.2
E33	3	★	B-2		Ignition coil No.3
E34	3	★	B-4		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
E48	2	Blue	A-4		Knock sensor 2
E57	6	Black	A-3		Electronic throttle control
E67	2	Blue	B-1		Intake oil flow control solenoid valve RH
E68	2	Blue	C-4		Intake 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	10	Dark gray	A-3	E76	

★ : White or natural color

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
T1	3	★	D-3		Torque converter turbine speed sensor 1
T3	8	Brown	D-2	B12	Bulkhead wiring harness
T4	20	★	D-3	B11	
T5	16	Green	D-3		Control valve assembly
T6	12	Green	D-3		

★ : White or natural color

WIRING SYSTEM

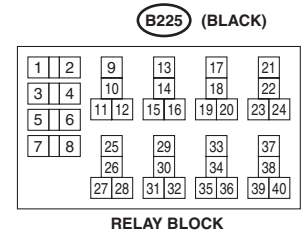
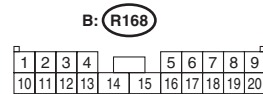
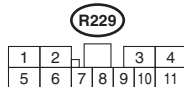
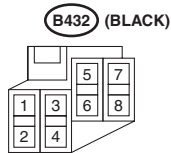
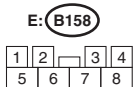
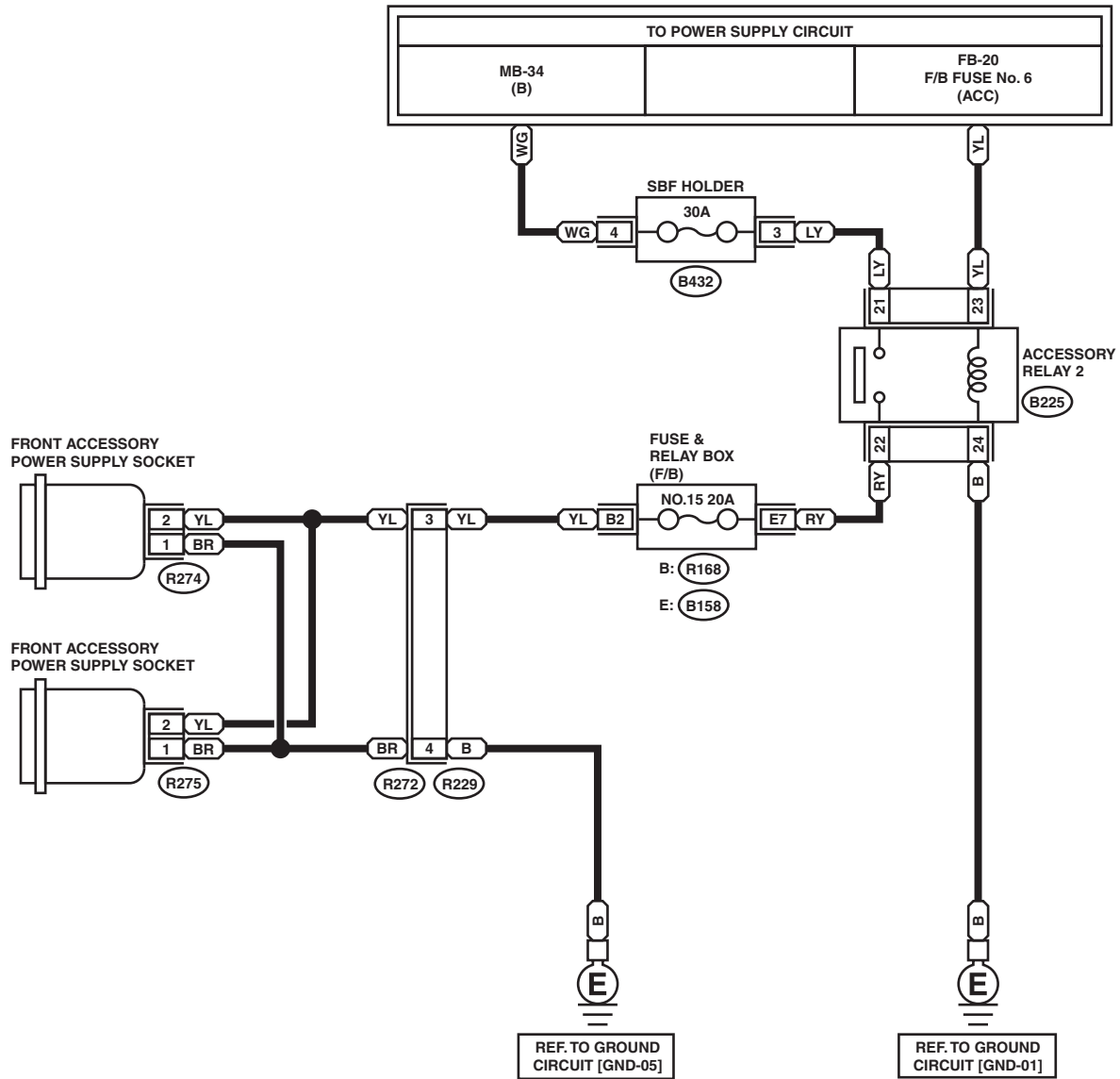


38.Front Accessory Power Supply Socket System

A: WIRING DIAGRAM

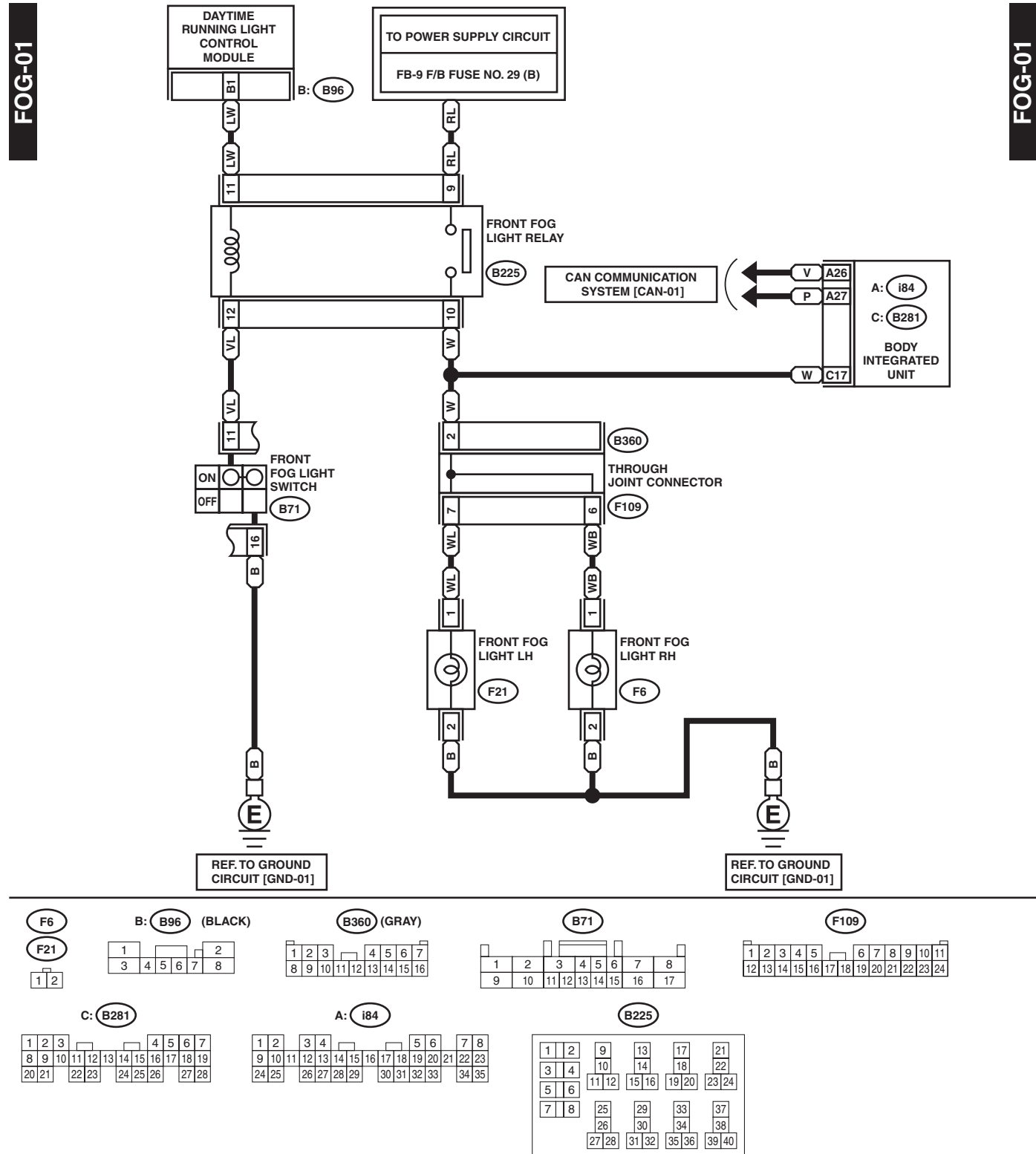
FAPS-01

FAPS-01



24.Front Fog Light System

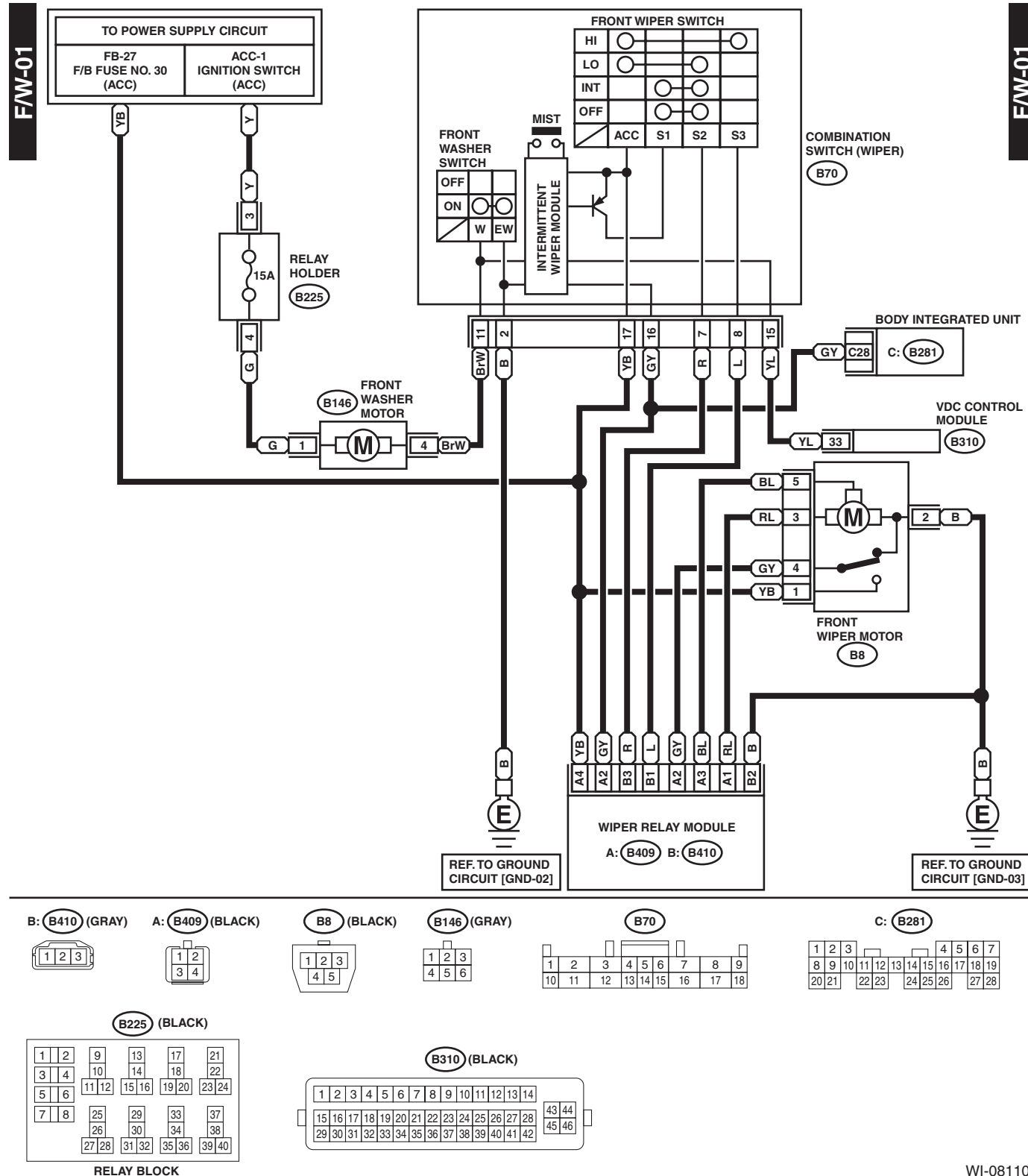
A: WIRING DIAGRAM



WI-08095

30.Front Wiper and Washer System

A: WIRING DIAGRAM



Front Wiring Harness

WIRING SYSTEM

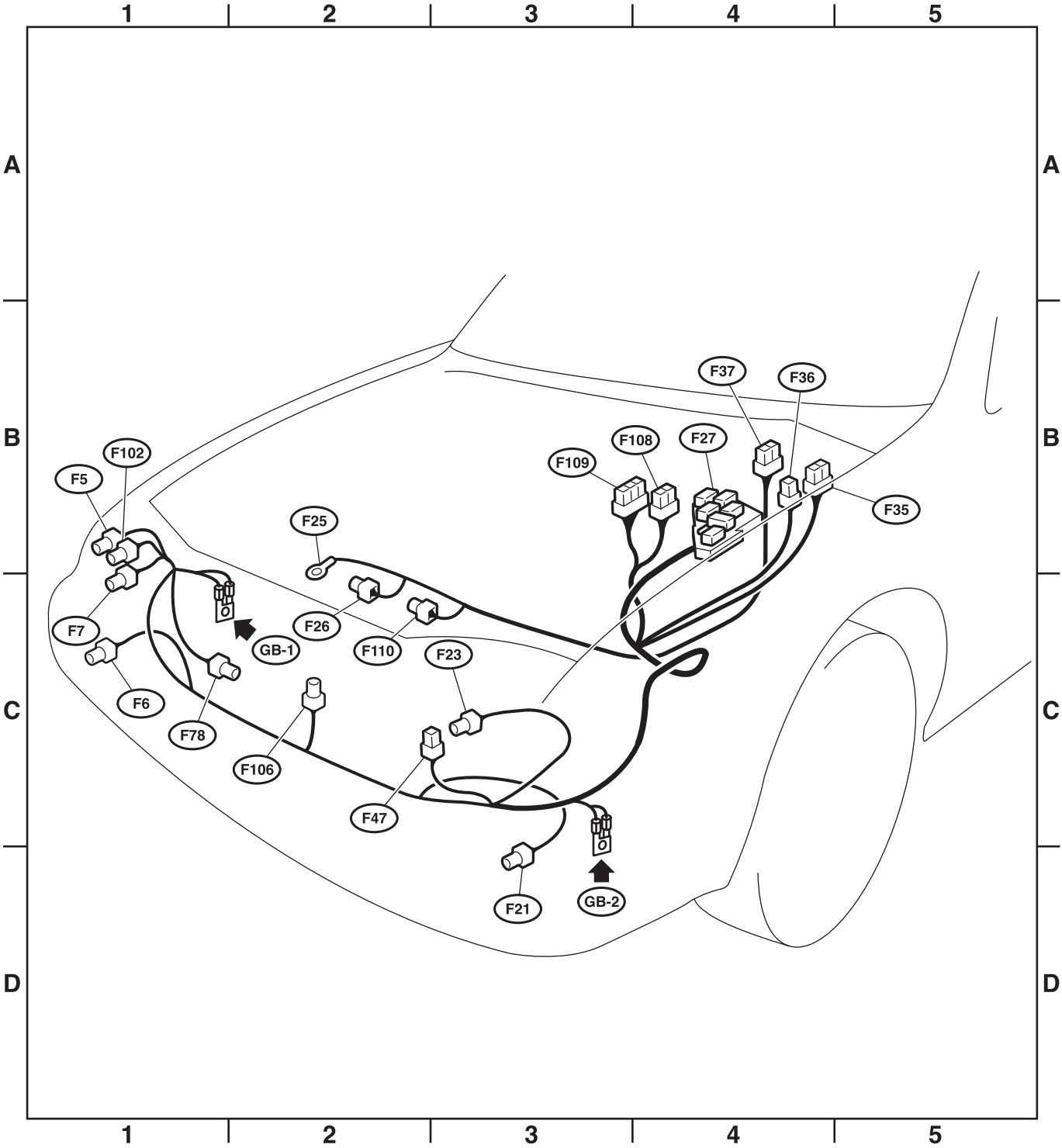
55.Front Wiring Harness

A: LOCATION

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
F5	1	Black	B-1		Horn
F6	2	Gray	C-1		Front fog light RH
F7	8	Gray	C-1		Headlight and front clearance light & front turn signal light RH
F21	2	Gray	D-3		Front fog light LH
F23	8	Gray	C-3		Headlight and front clearance light & front turn signal light LH
F25	1	★	C-2		Generator terminal B
F26	3	Green	C-2		Generator
F27	31	Black	B-4		A/C relay holder
F35	12	Blue	B-4		Main fuse box (M/B)
F36	7	★	B-4		
F37	20	★	B-4		
F47	1	Black	C-2		Horn
F78	2	Black	B-2		Ambient sensor
F102	2	Black	B-2		Keyless buzzer
F106	3	Gray	C-2		PWM controller
F108	18	Gray	B-4		Through joint connector
F109	24	★	B-3		
F110	1	Black	C-2		Magnet clutch
★ : White or natural color					

Front Wiring Harness

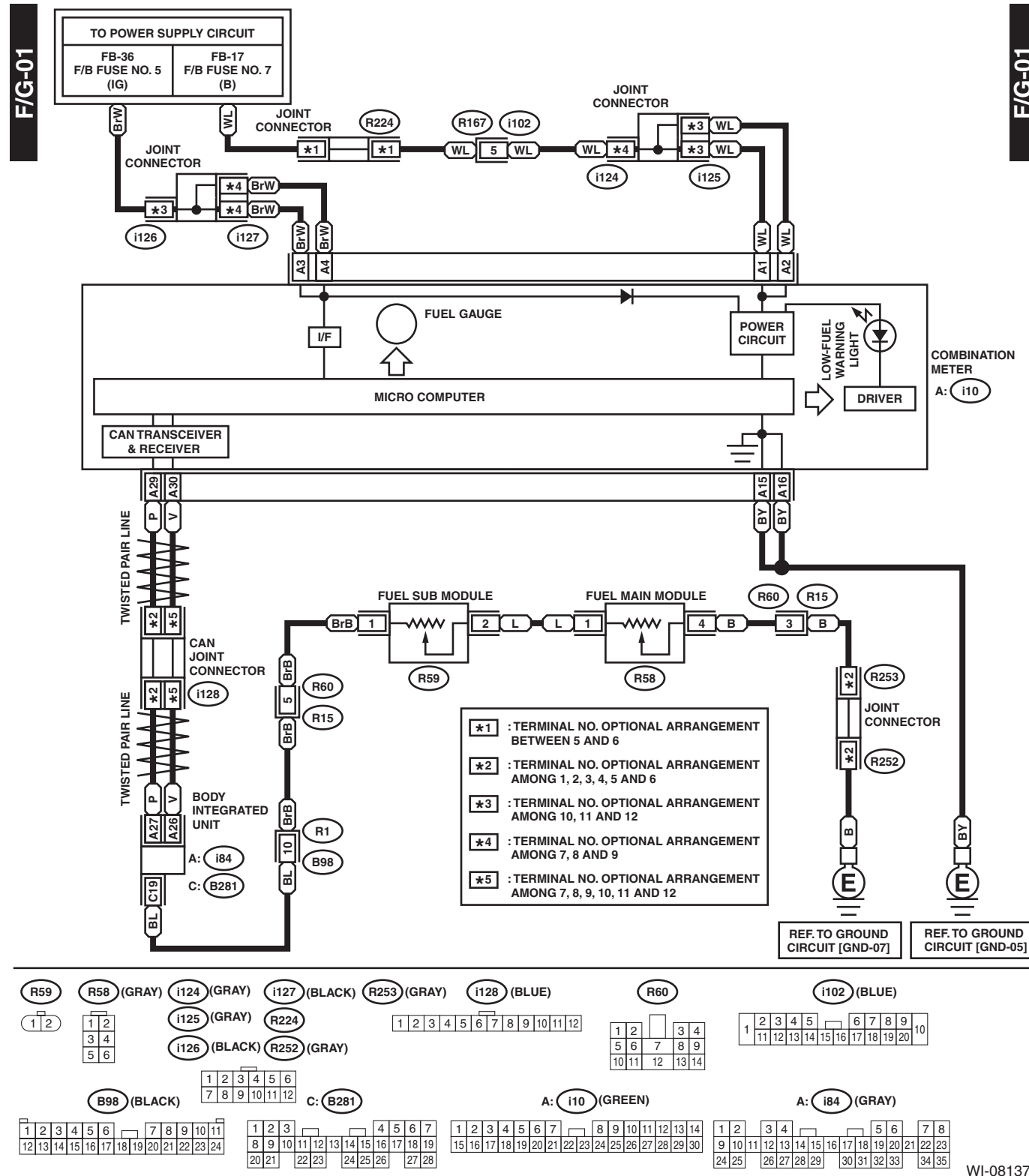
WIRING SYSTEM



WI-08151

45. Fuel Gauge System

A: WIRING DIAGRAM

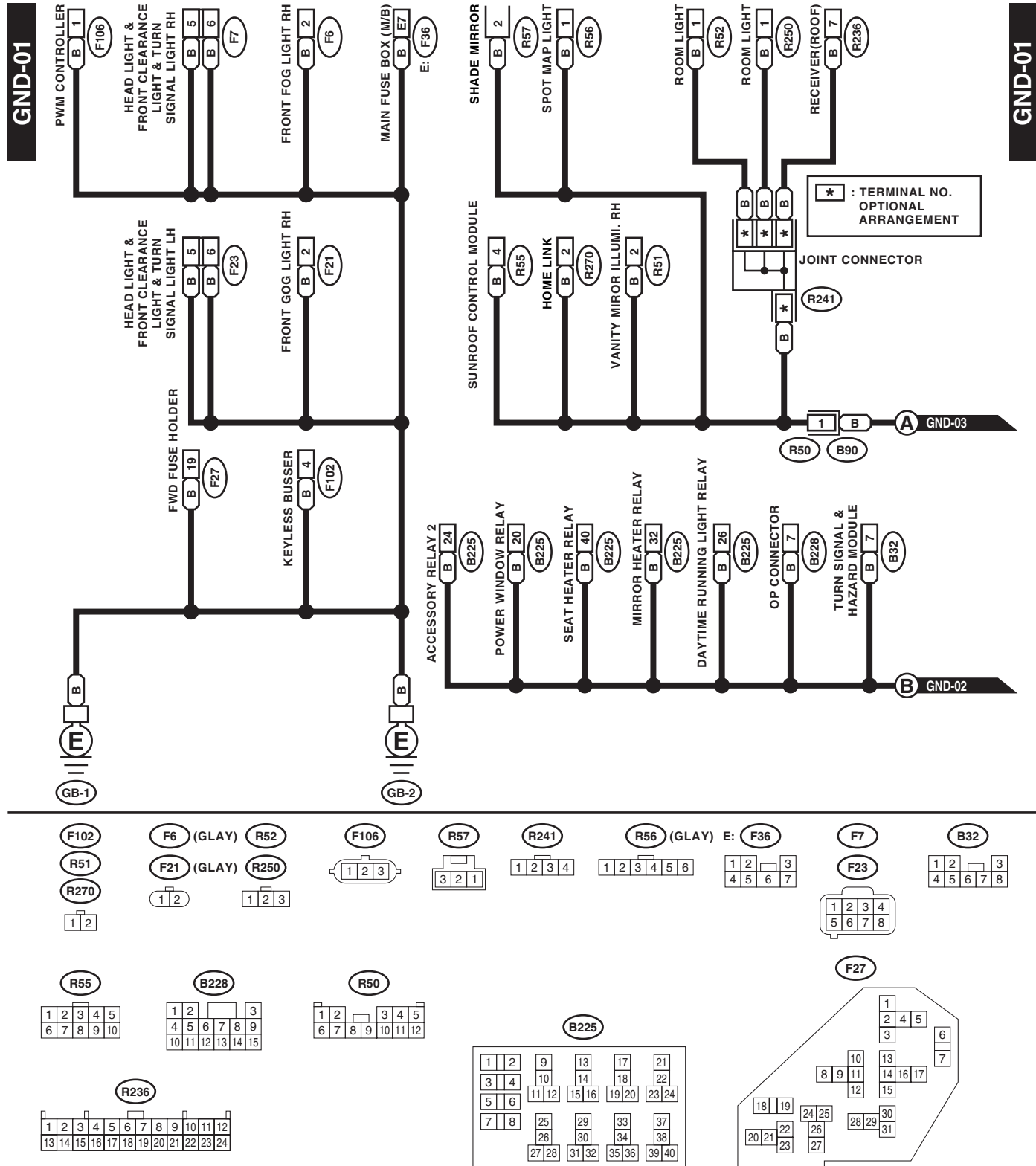


WI-08137

Ground Circuit

WIRING SYSTEM

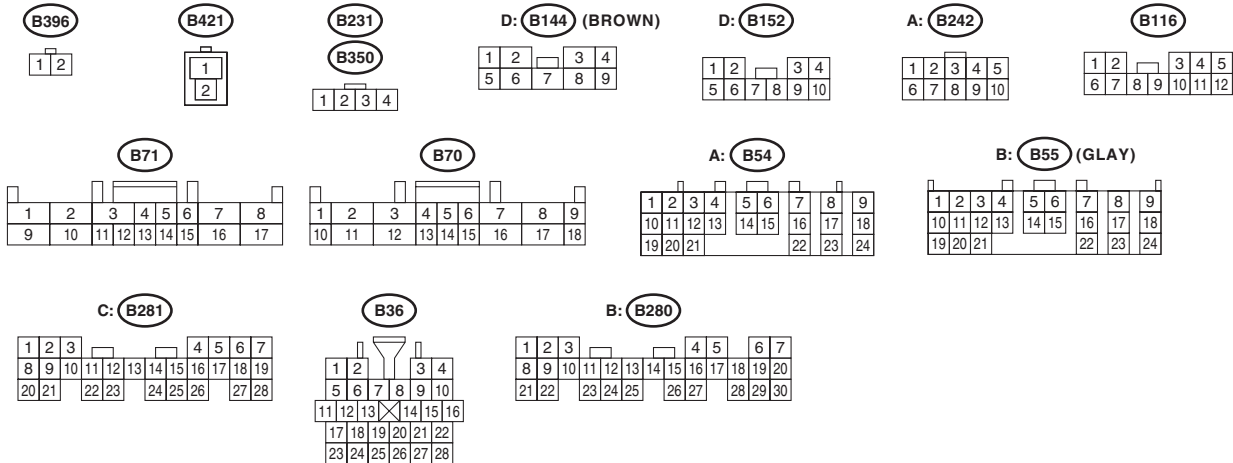
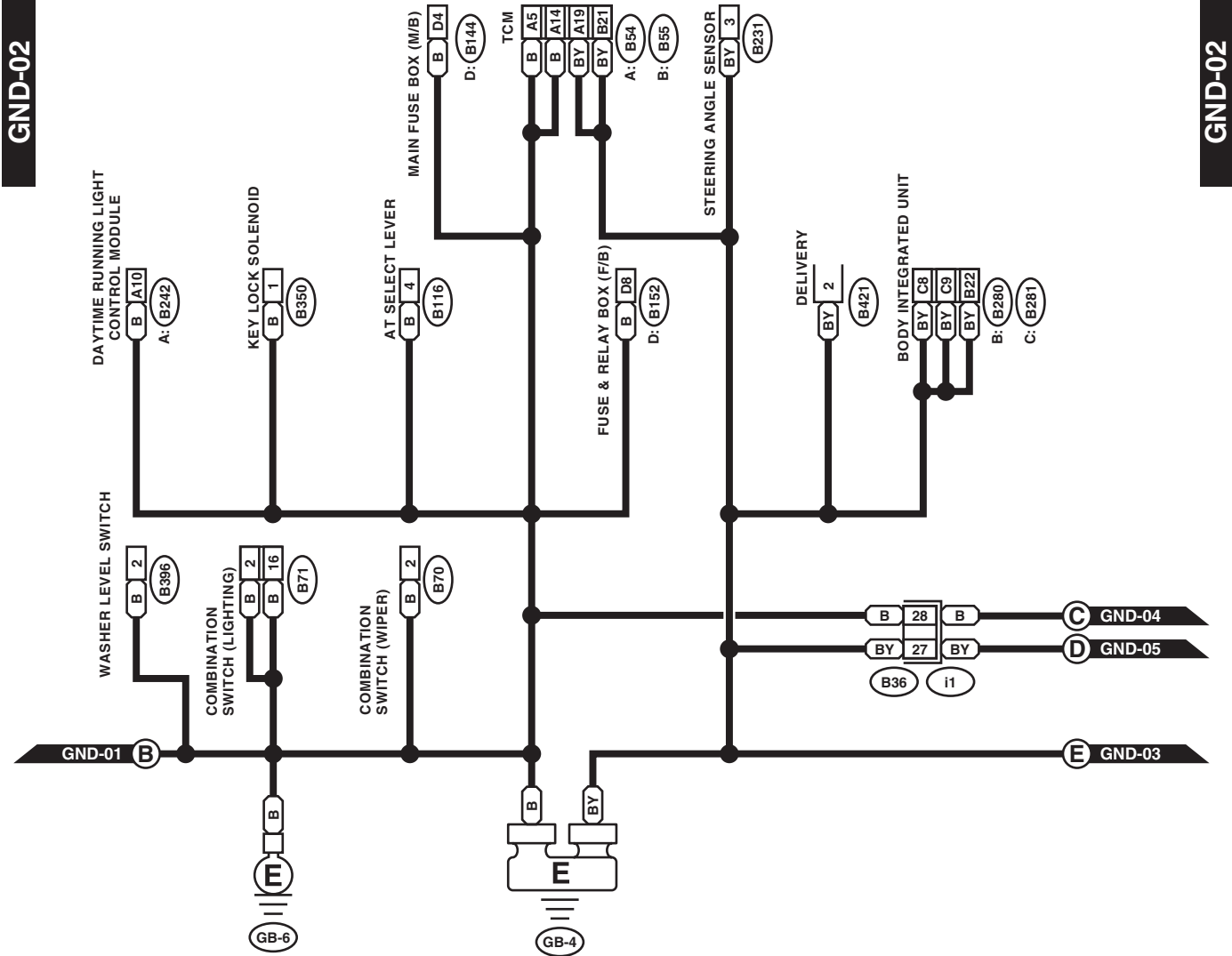
4. Ground Circuit A: WIRING DIAGRAM



WI-08030

GND-02

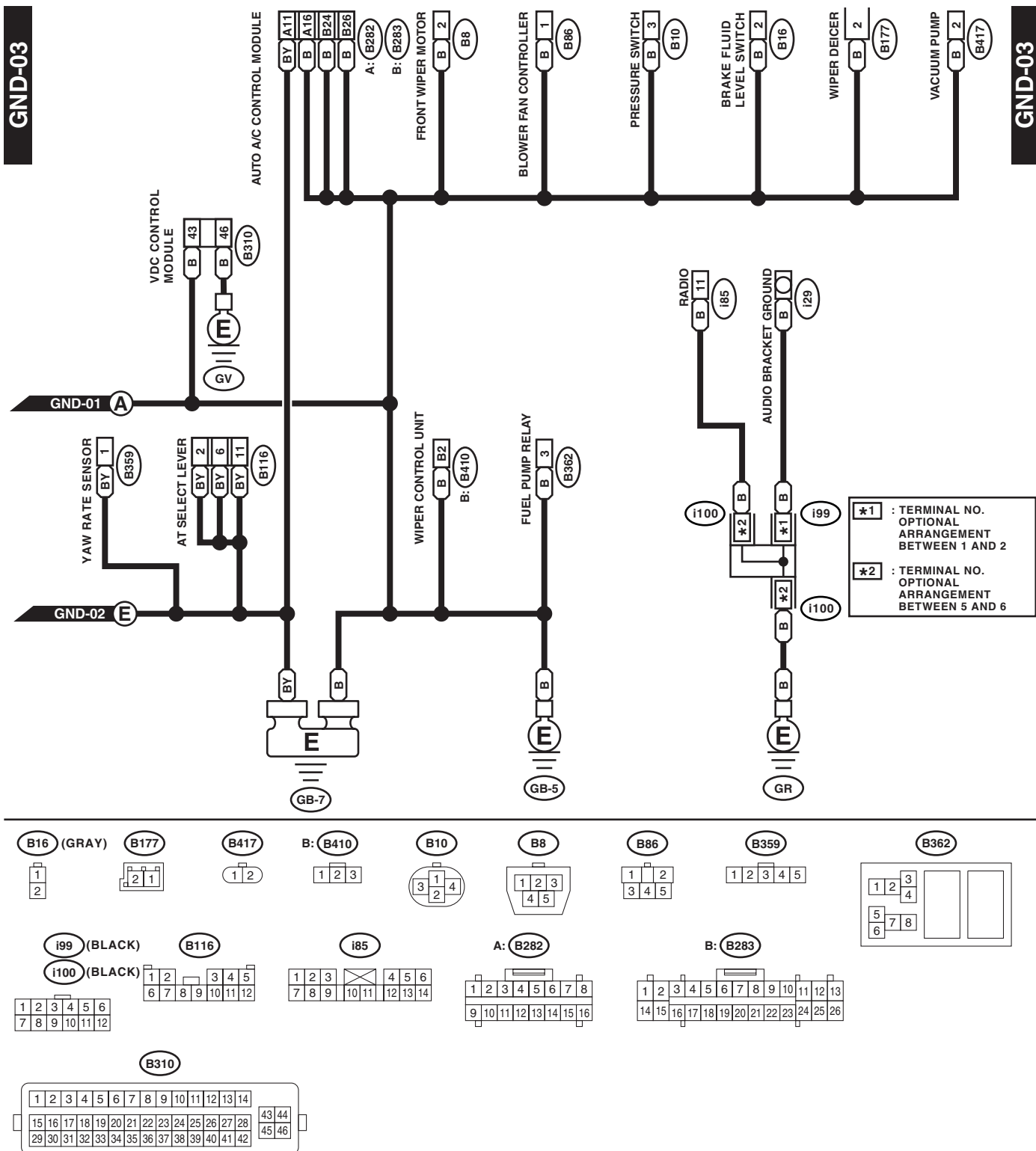
GND-02



WI-08031

Ground Circuit

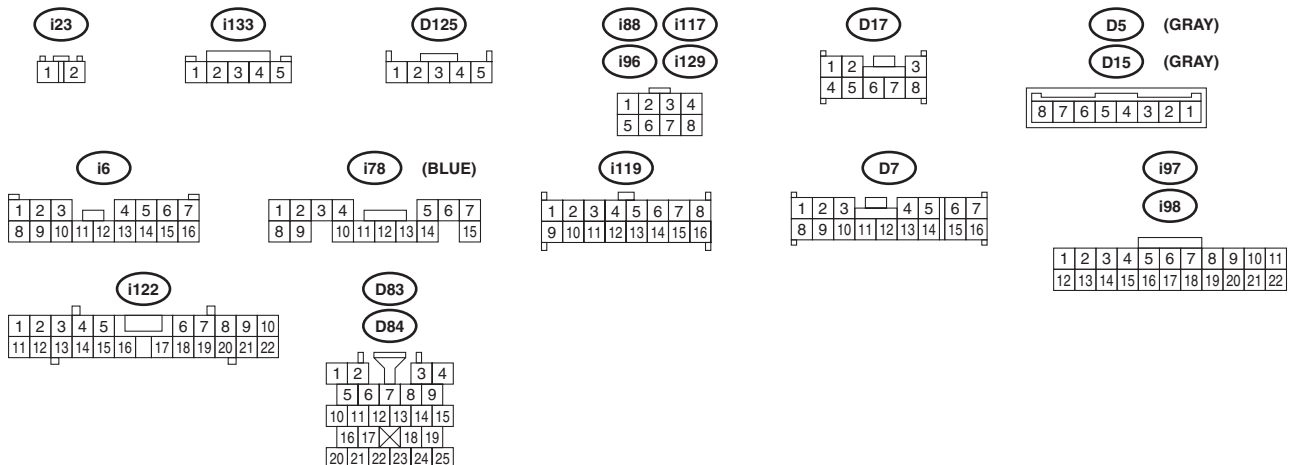
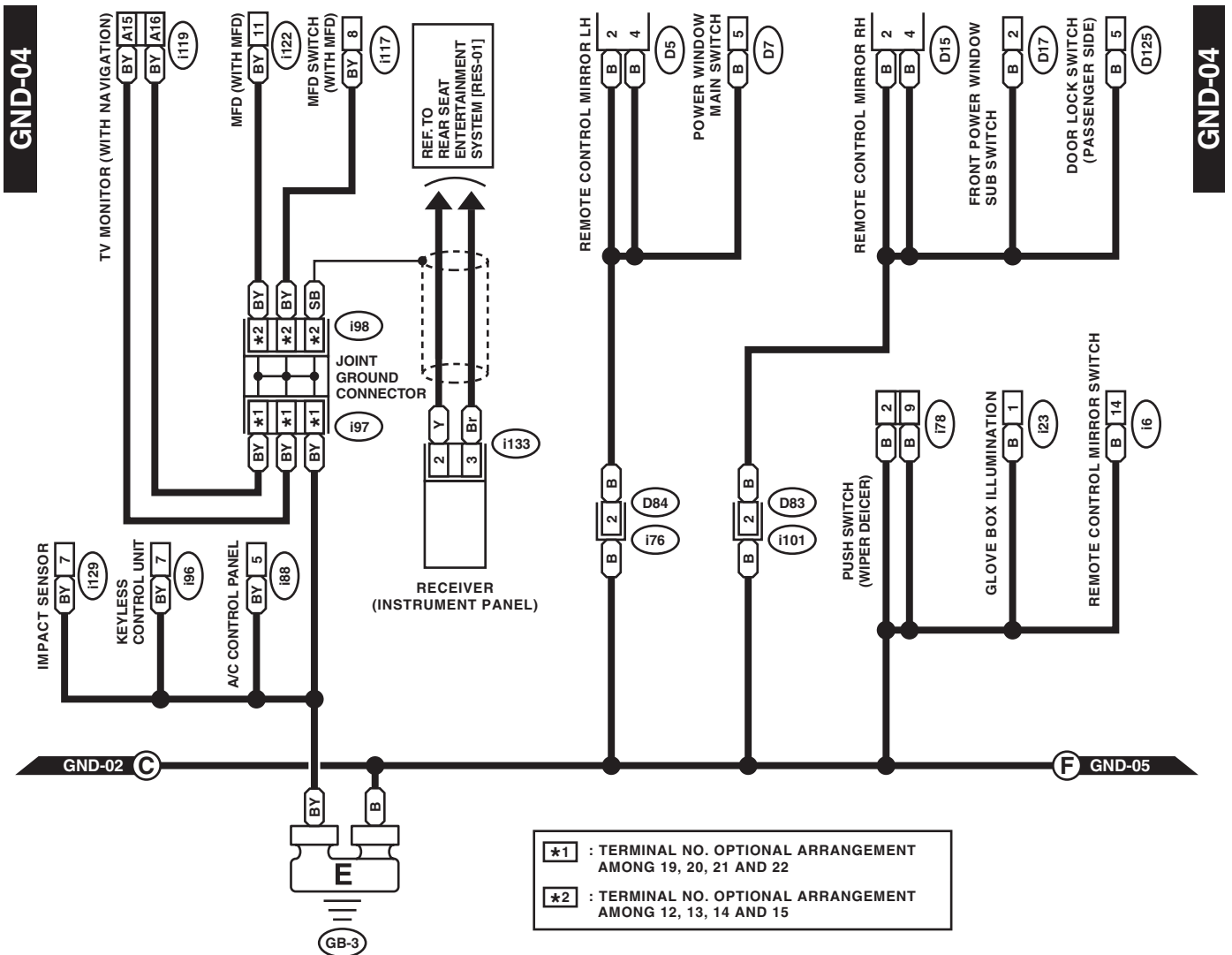
WIRING SYSTEM



WI-08032

Ground Circuit

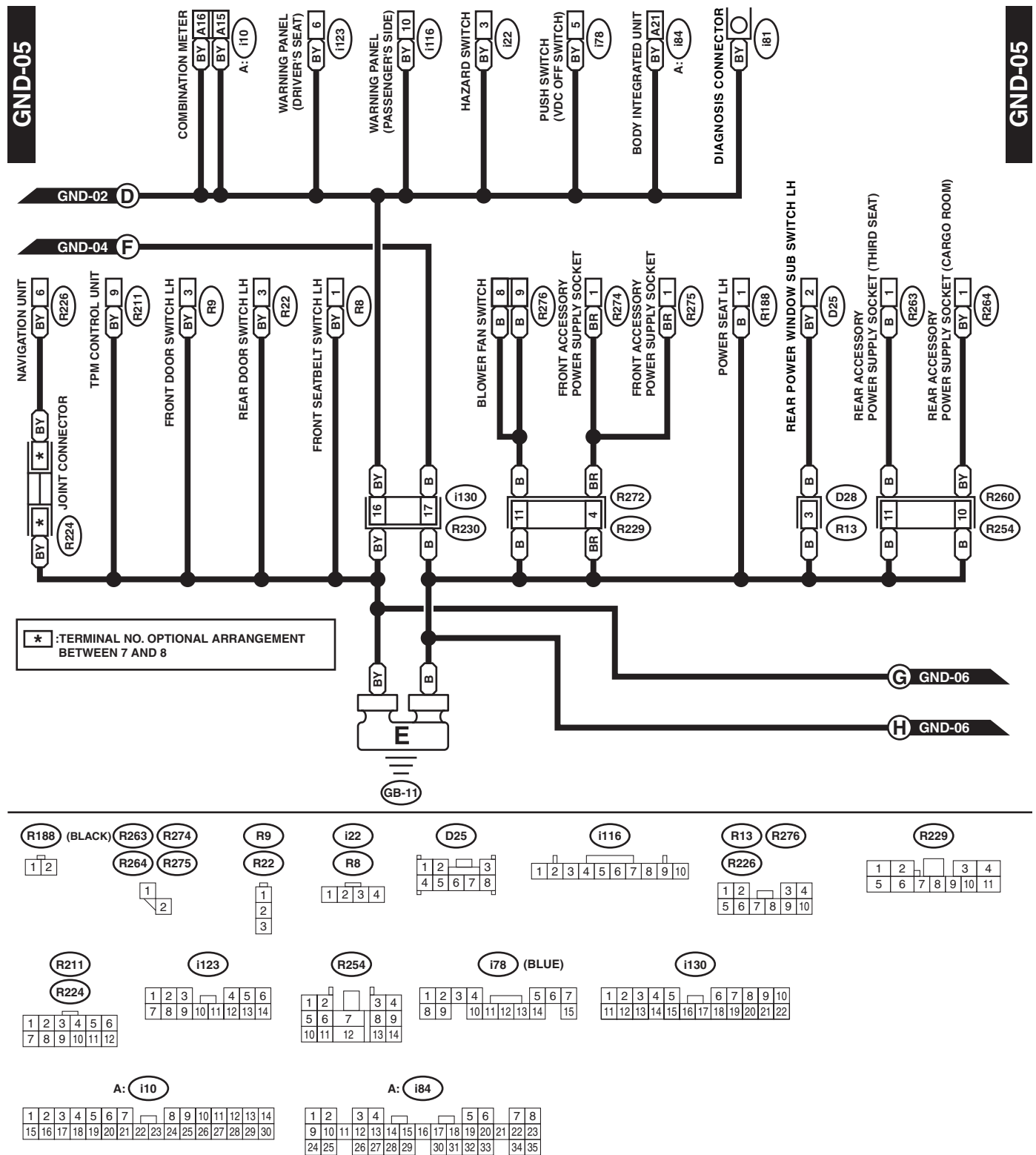
WIRING SYSTEM



WI-08033

Ground Circuit

WIRING SYSTEM



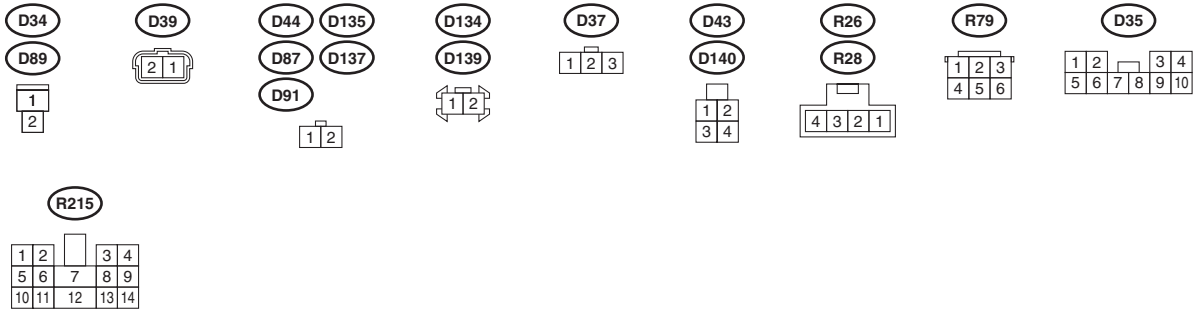
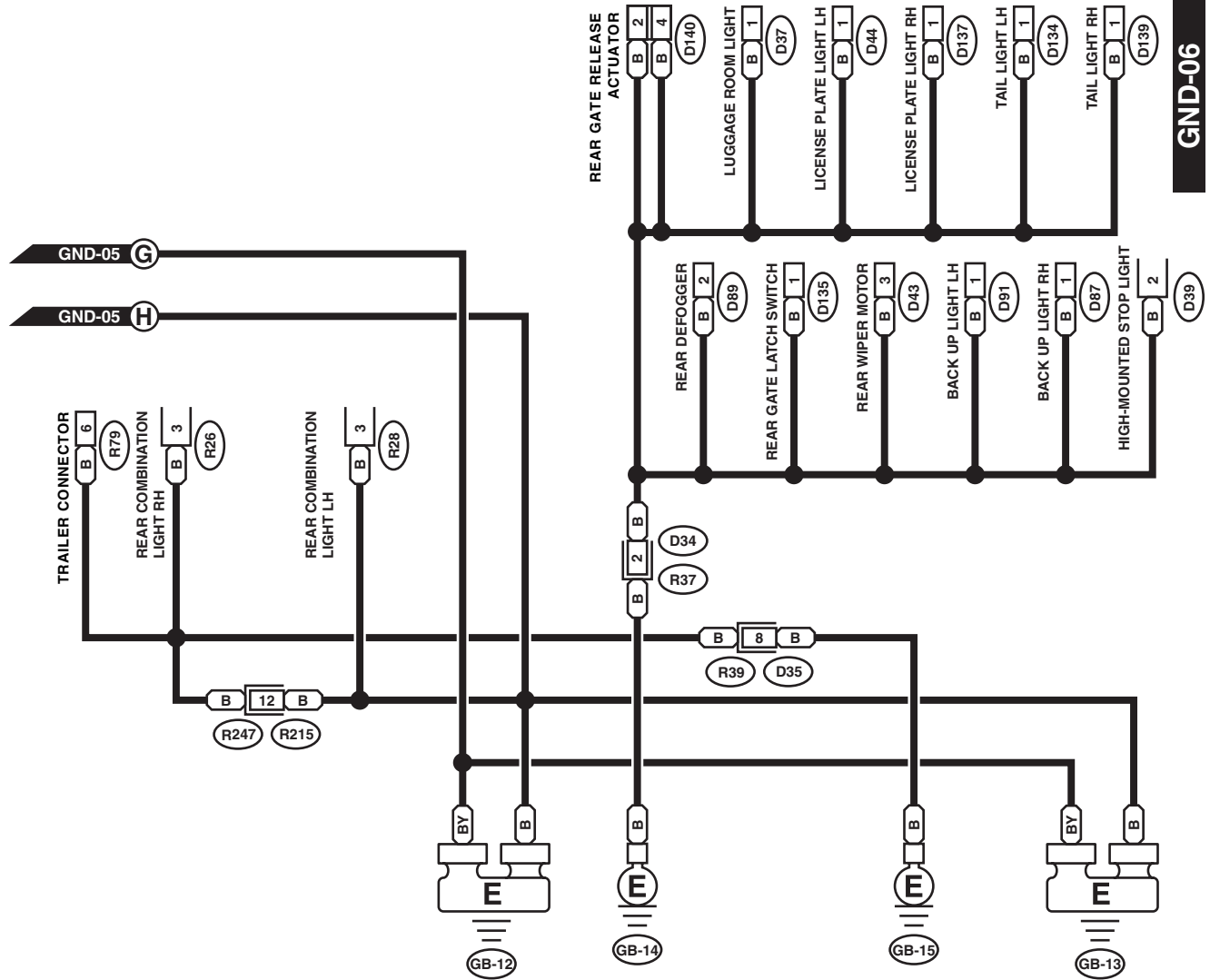
WI-08034

Ground Circuit

WIRING SYSTEM

GND-06

GND-06

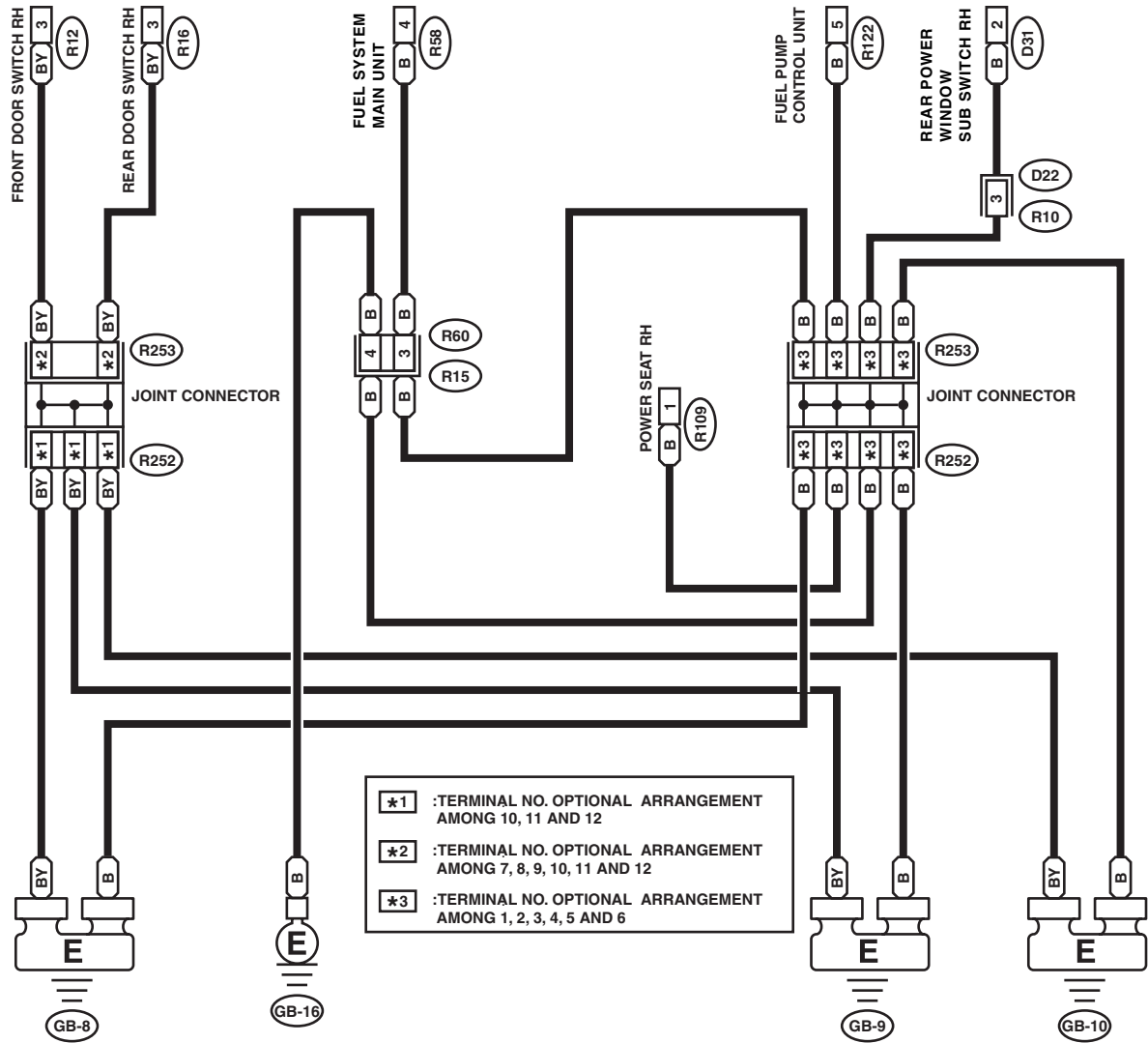


WI-08035

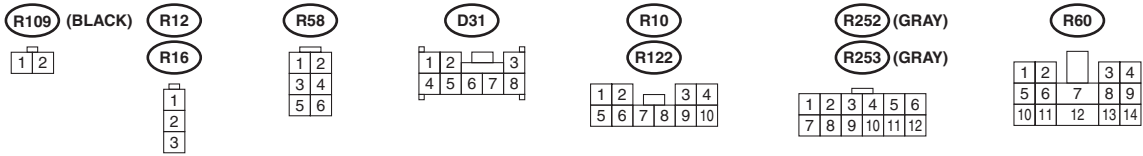
Ground Circuit

WIRING SYSTEM

GND-07

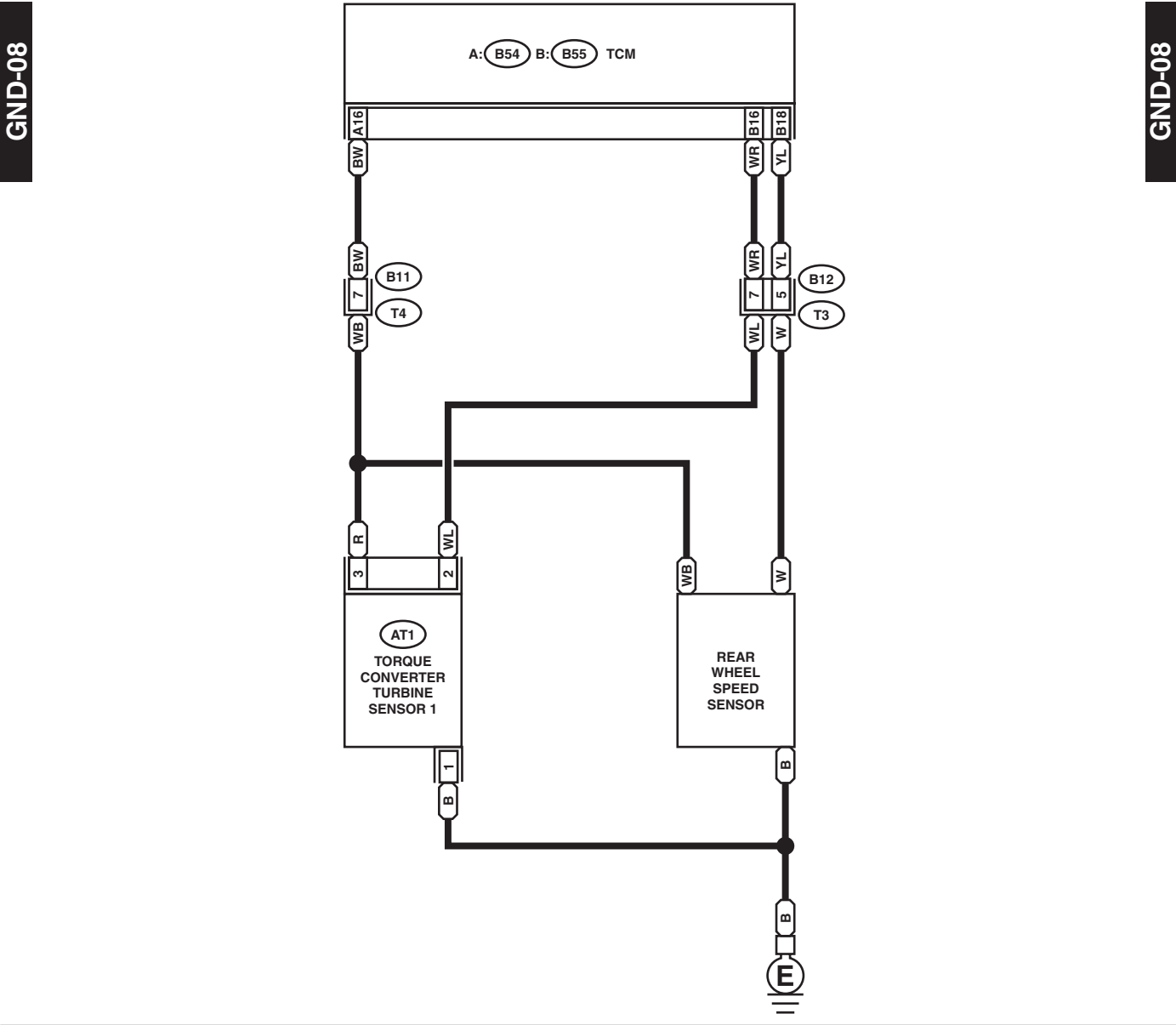


GND-07



WI-08036

Ground Circuit



AT1

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

B12 (BROWN)

1	2	3	4
5	6	7	8

B11 (GLAY)

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

B: B55 (GLAY)

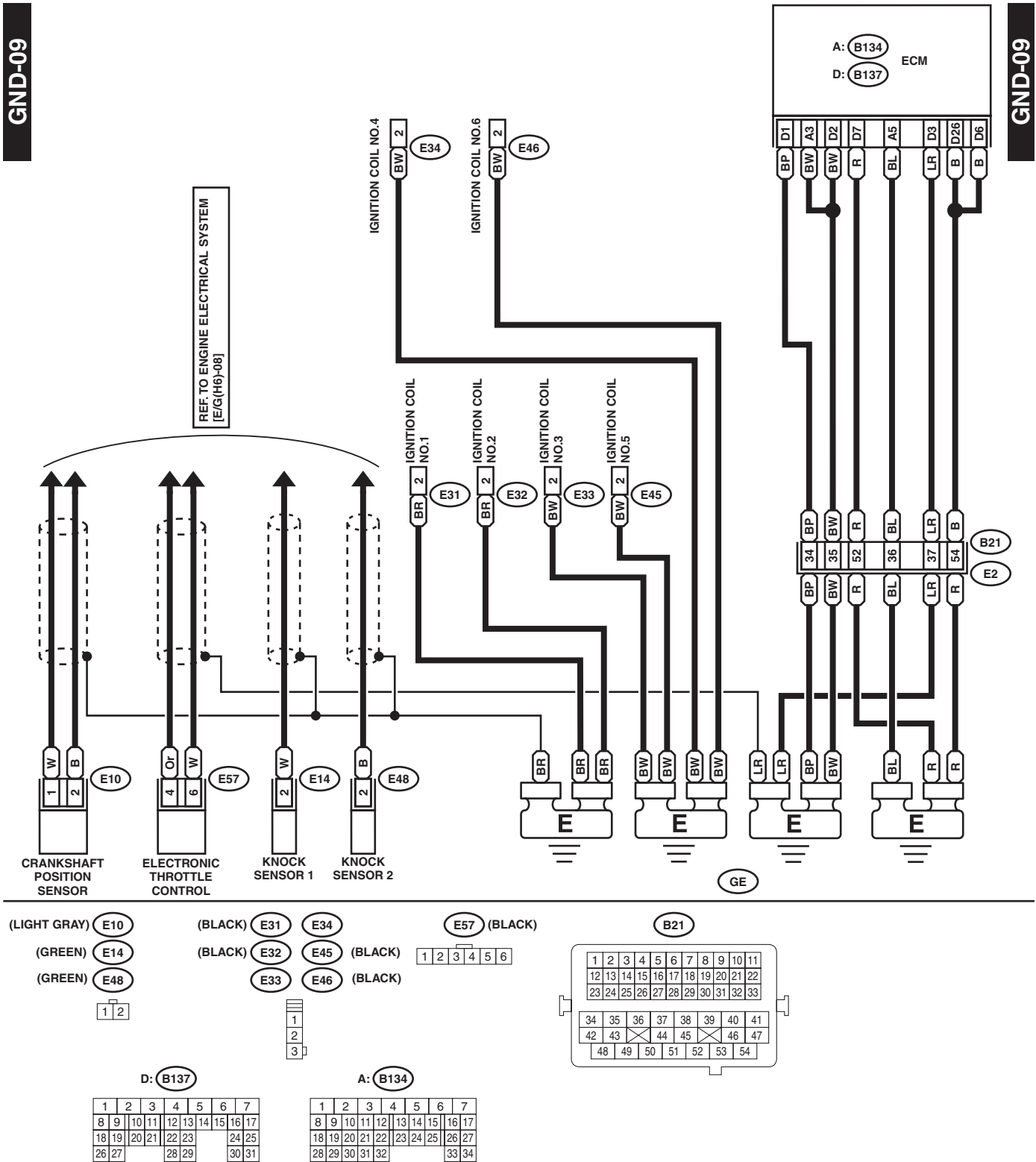
1	2	3	4	5	6	7	8	9
10	11	12	13	14	15	16	17	18
19	20	21				22	23	24

Ground Circuit

WIRING SYSTEM

GND-09

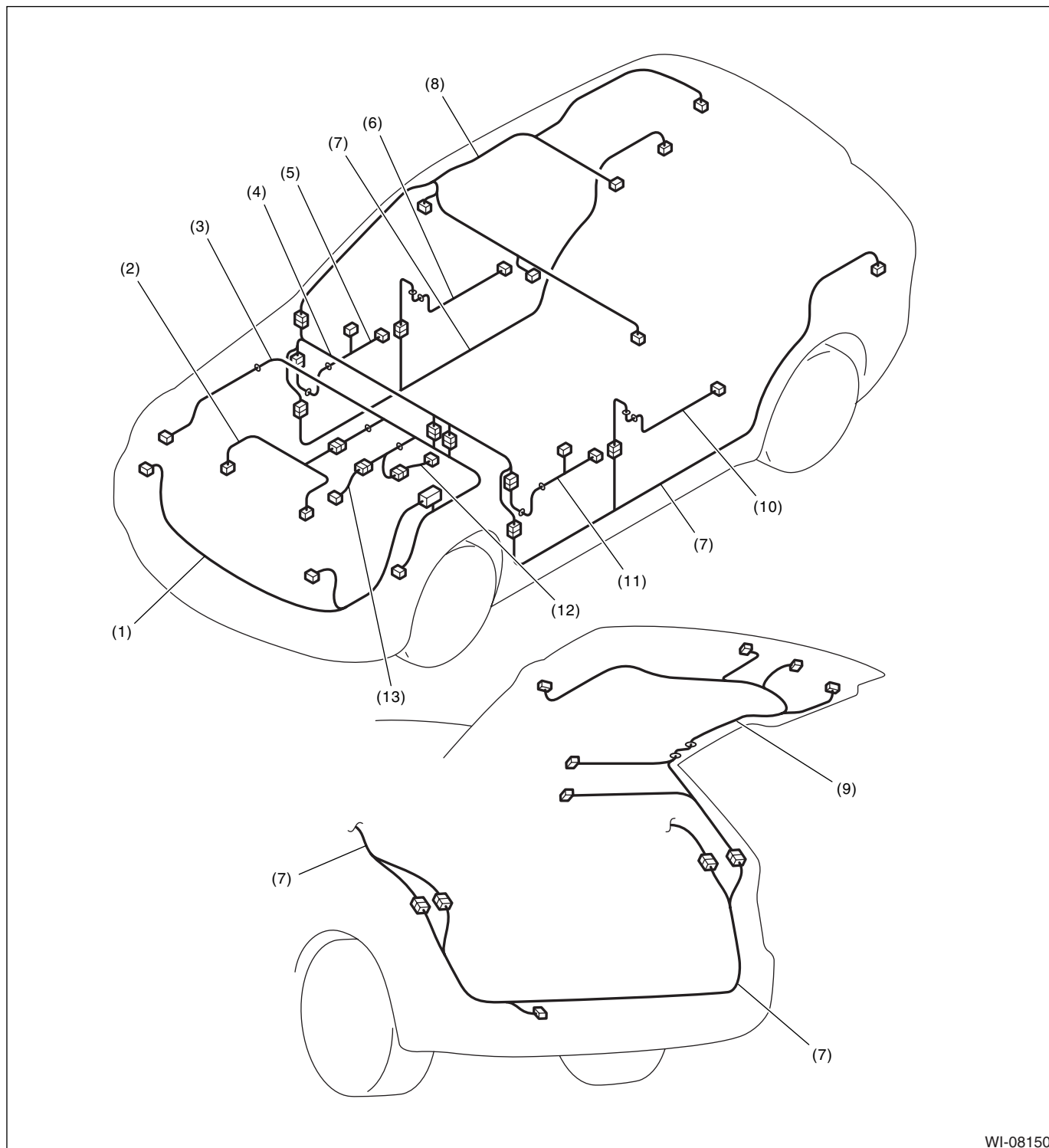
GND-09



WI-08038

54.Harness Components Location

A: LOCATION



WI-08150

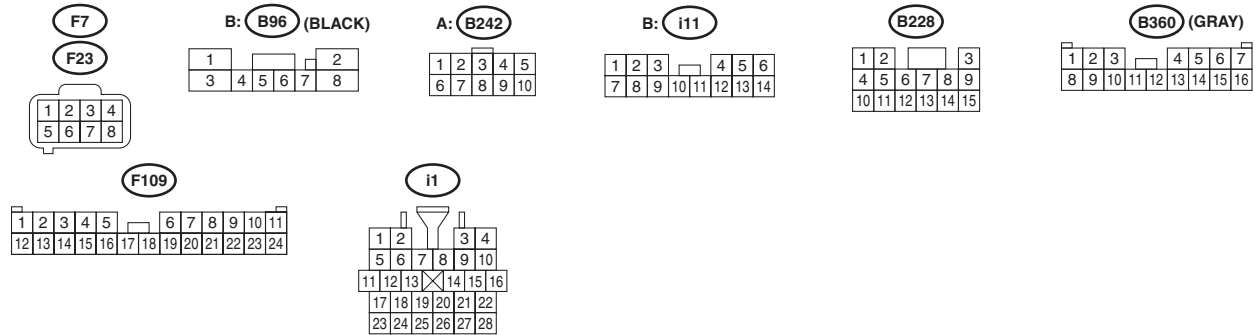
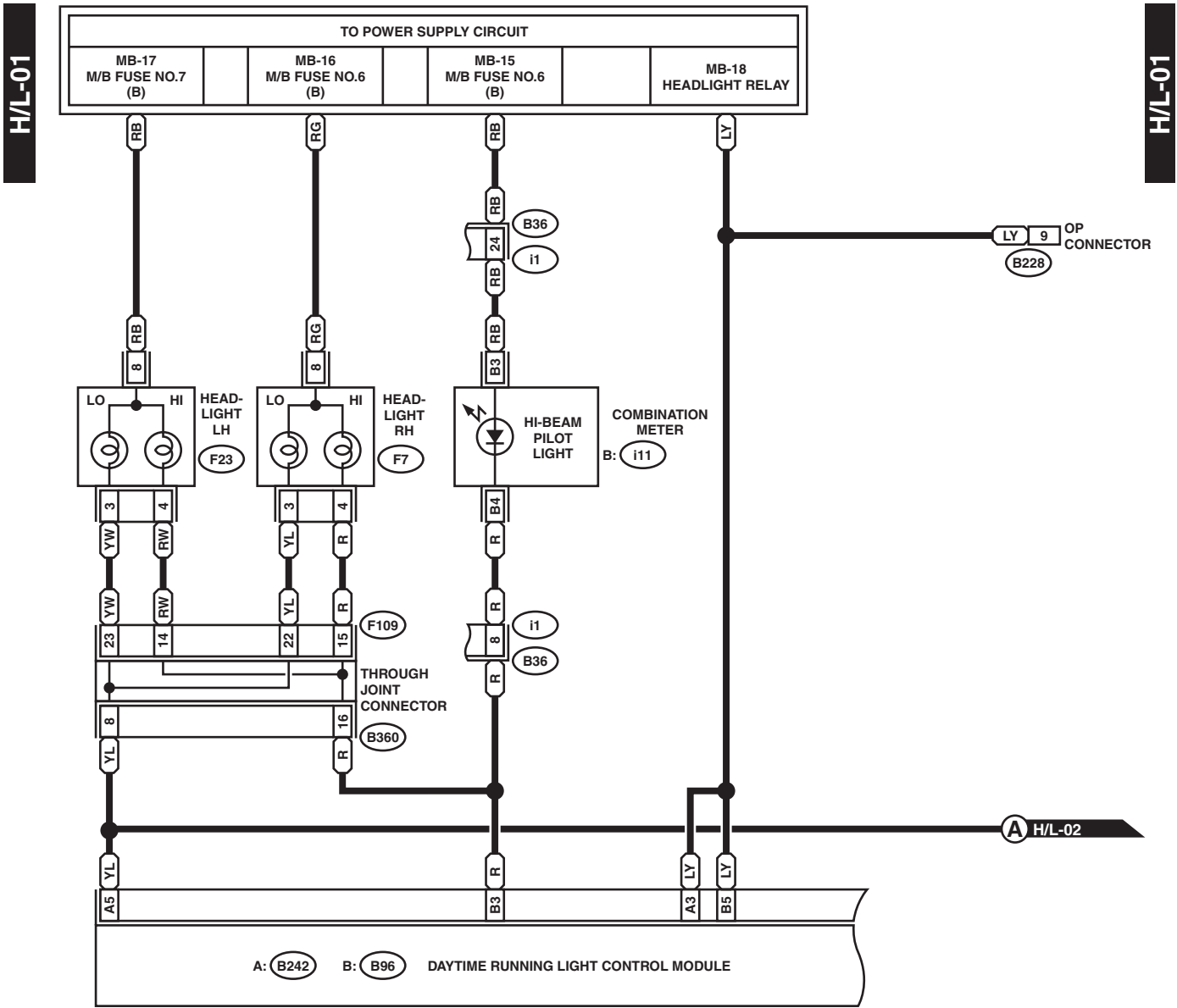
- | | | |
|-------------------------------------|-------------------------|------------------------------|
| (1) Front wiring harness | (6) Rear door cord RH | (10) Rear door cord LH |
| (2) Engine wiring harness | (7) Rear wiring harness | (11) Front door cord LH |
| (3) Bulkhead wiring harness | (8)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

Headlight System

WIRING SYSTEM

23.Headlight System

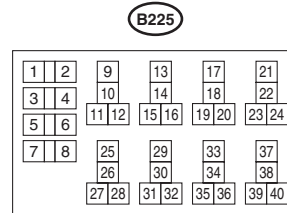
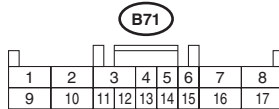
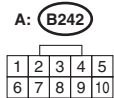
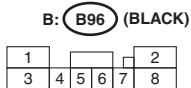
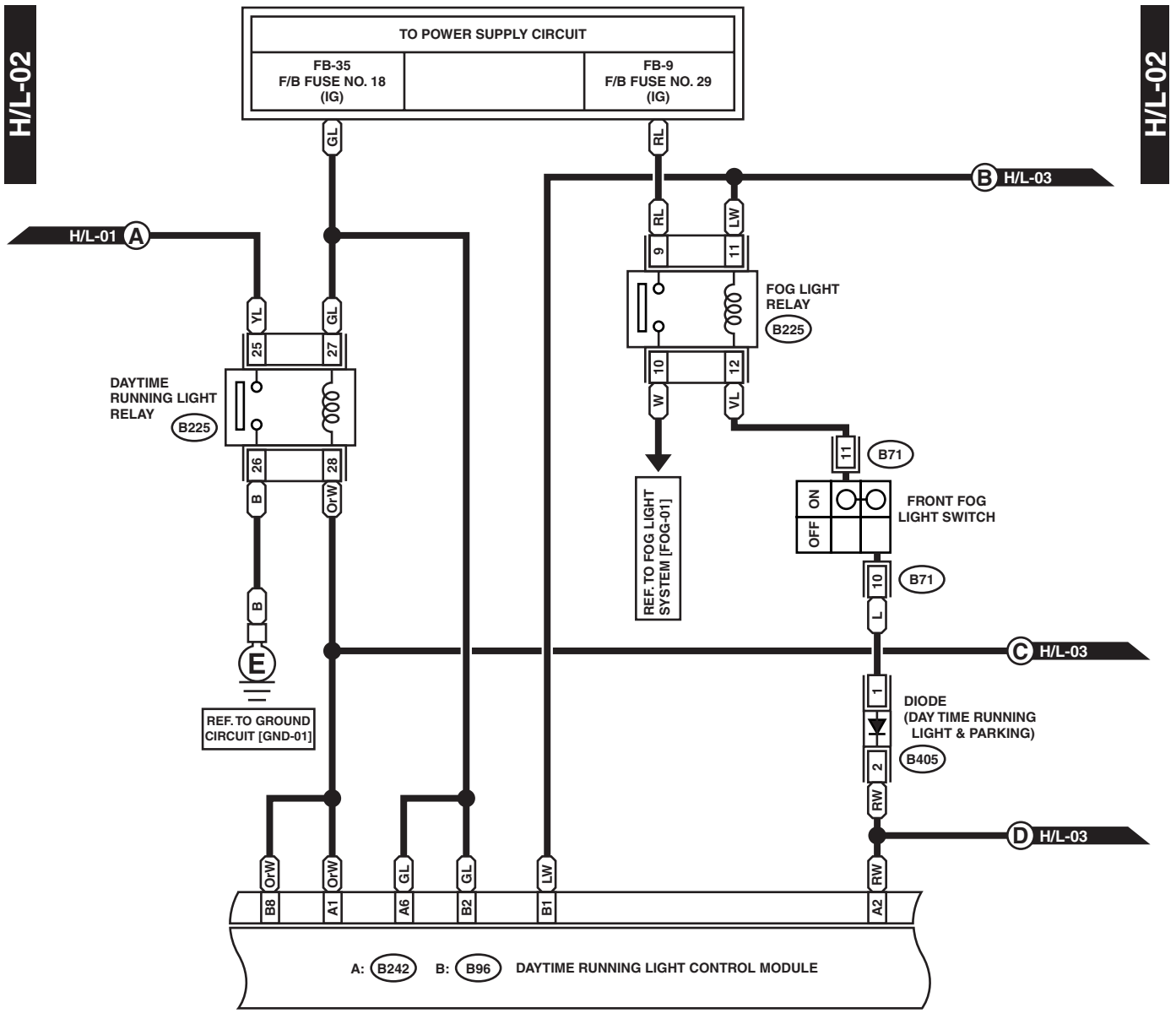
A: WIRING DIAGRAM



WI-08092

Headlight System

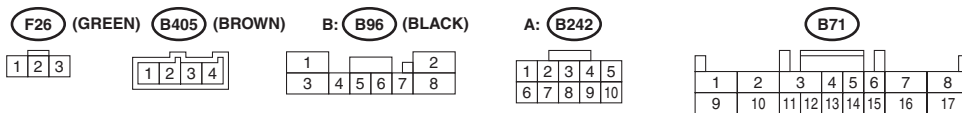
WIRING SYSTEM



WI-08093

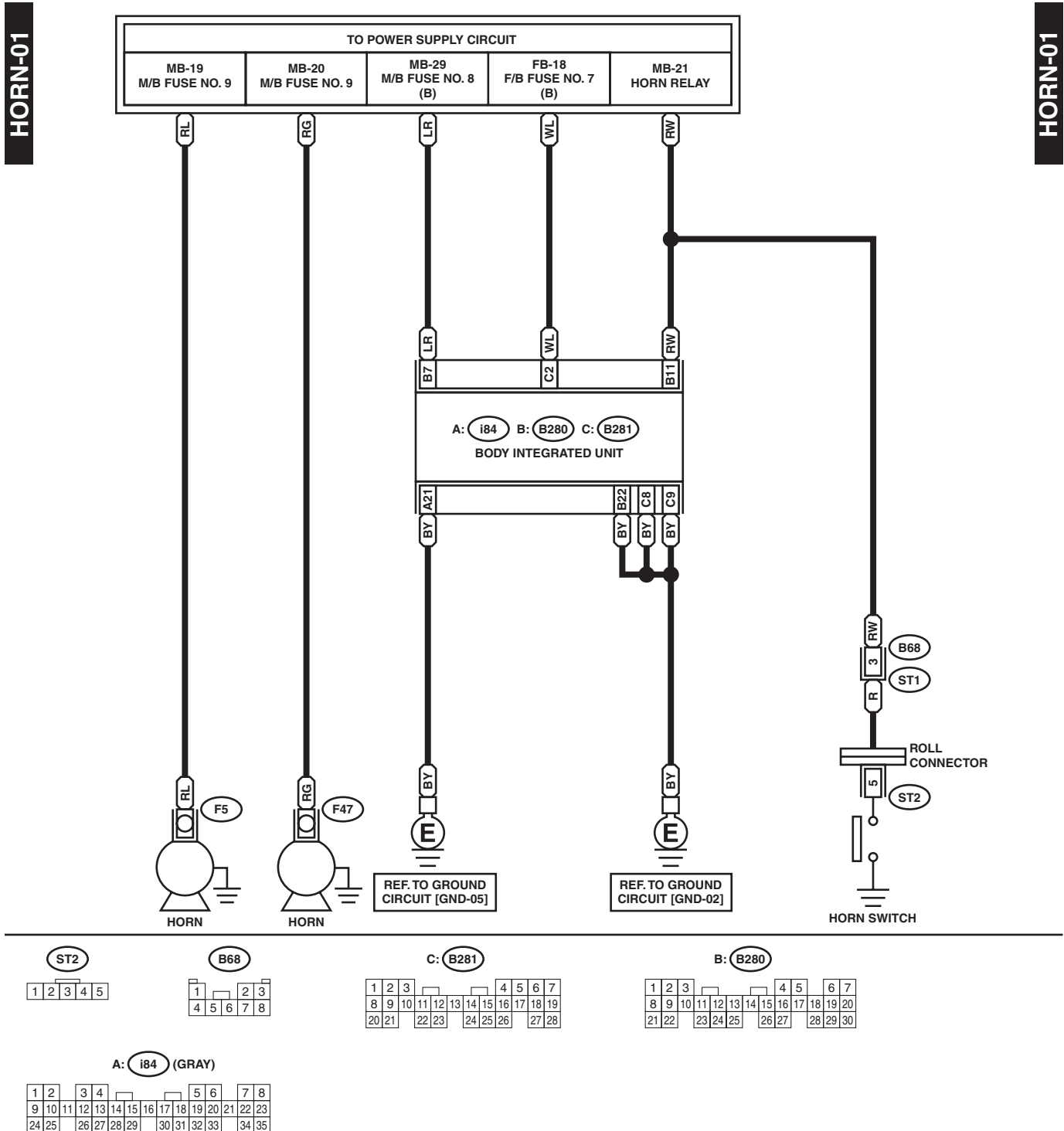
WIRING SYSTEM

H/L-03

**WI-88**

40.Horn System

A: WIRING DIAGRAM

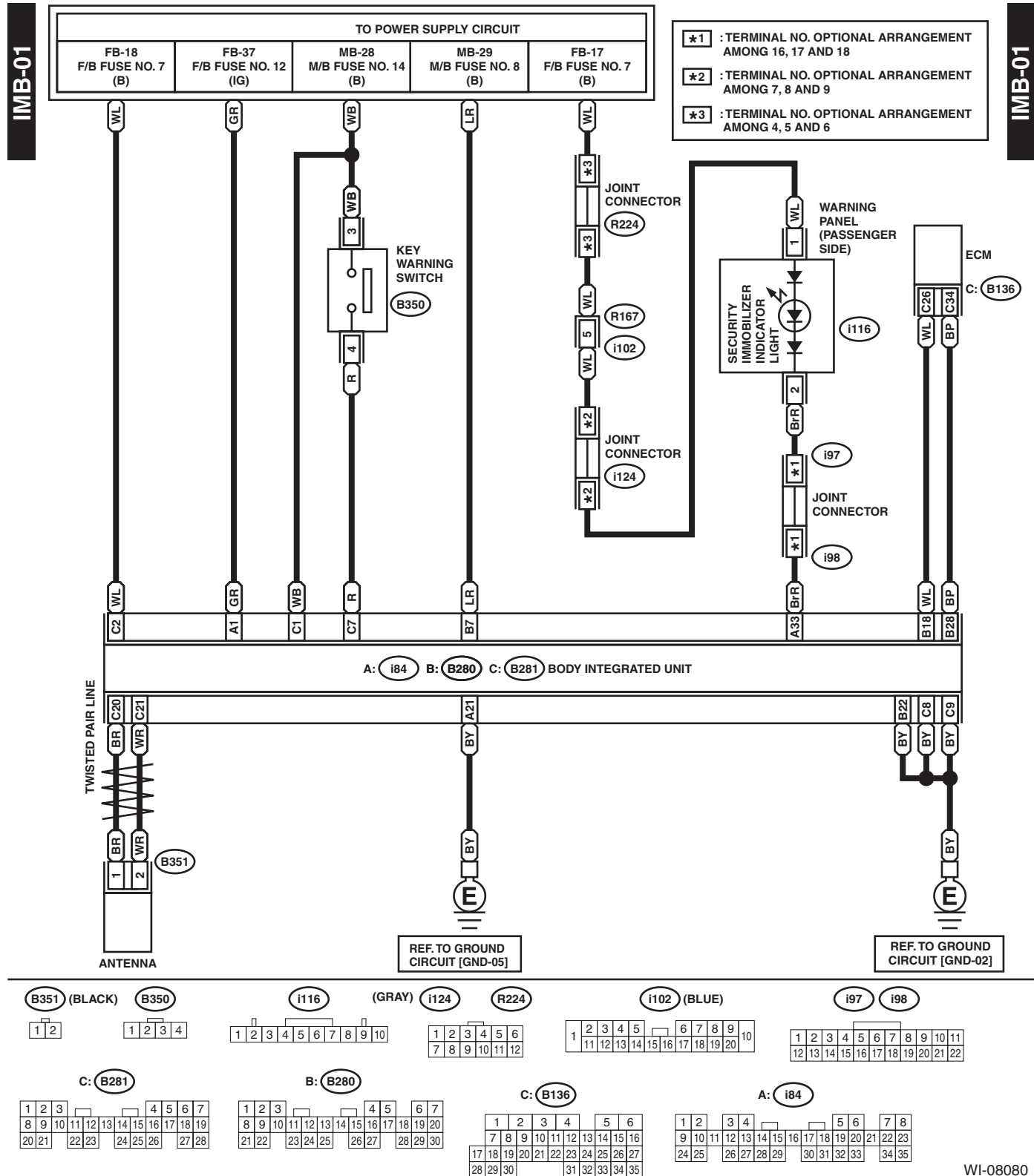


Immobilizer System

WIRING SYSTEM

14. Immobilizer System

A: WIRING DIAGRAM



59. Instrument Panel Wiring Harness

A: LOCATION

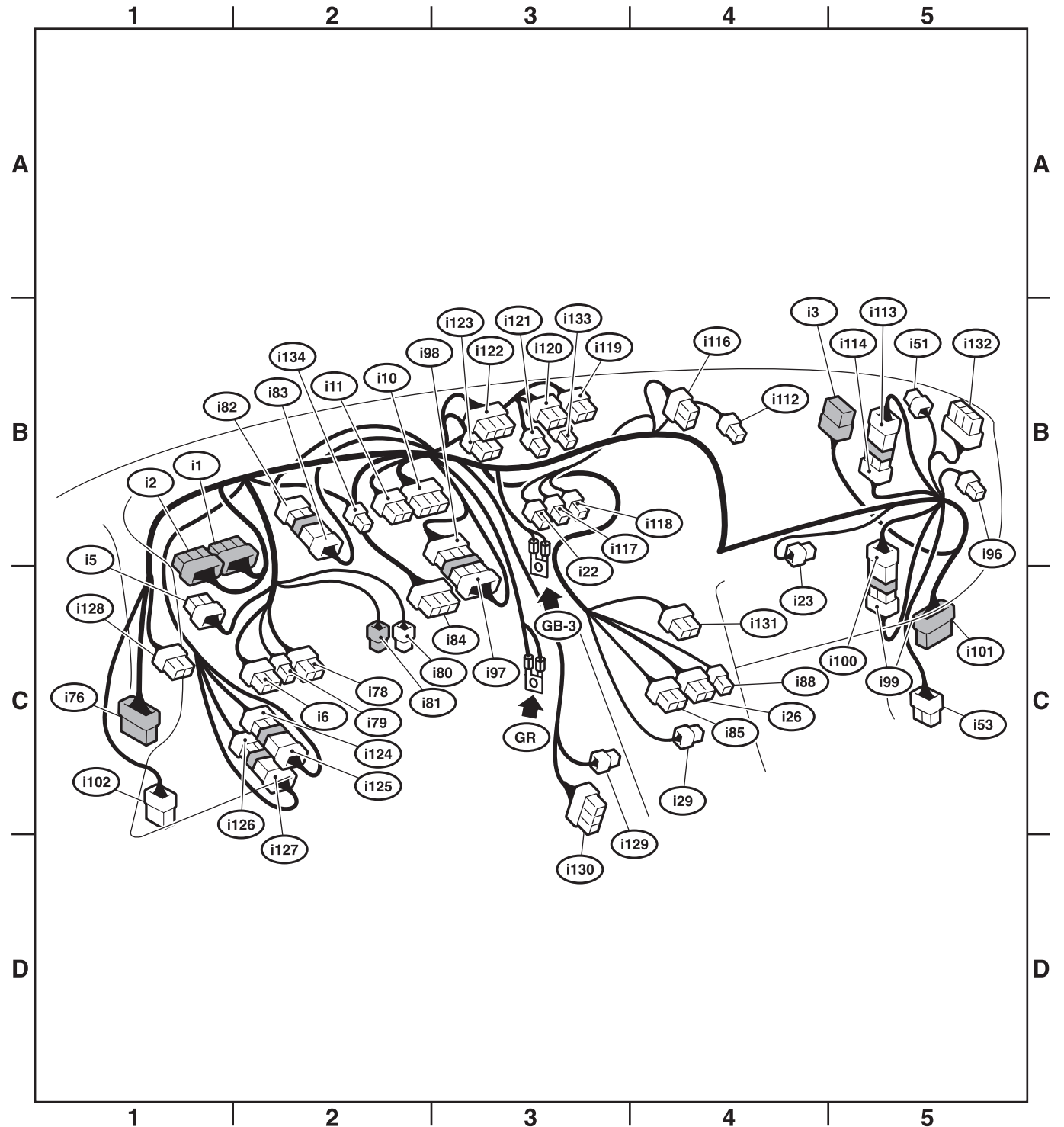
Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
i1	28	Blue	B-1	B36	Bulkhead wiring harness
i2	25	★	B-1	B37	
i3	20	★	B-5	B38	
i5	20	★	C-1		Fuse & relay box (F/B)
i6	16	★	C-2		Remote control mirror switch
i10	30	Green	B-2		Combination meter
i11	14	Green	B-2		
i22	4	★	B-3		Hazard switch
i23	2	★	B-4		Glove box illumination
i26	16	★	C-4		Audio
i29	1	Black	C-4		Audio bracket earth
i51	2	★	B-5		Sunload sensor
i53	22	Blue	C-5	R98	Rear wiring harness
i76	25	★	C-1	D83	Front door cord LH
i78	15	Blue	C-2		Push switch
i79	6	★	C-2		Illumination control module
i80	1	★	C-2		Diagnosis connector
i81	1	★	C-2		
i82	12	Blue	B-2		Joint connector
i83	12	Blue	B-2		
i84	35	Gray	B-3		Body integrated unit
i85	14	★	C-4		Audio
i88	8	Black	C-4		A/C control panel
i96	8	★	B-5		Keyless entry control module
i97	22	★	B-3		Joint connector
i98	22	★	B-3		
i99	12	Black	B-5		
i100	12	Black	B-5		
i101	25	★	C-5	D84	Front door cord RH
i102	20	Blue	C-1	R167	Rear wiring harness
i112	6	★	B-4		Joint connector
i113	12	★	B-5		
i114	12	★	B-5		
i116	10	Green	B-4		Warning box (Passenger's side)
i117	8	Black	B-3		MFD switch
i118	8	Black	B-3		Navigation system switch
i119	16	Black	B-3		TV monitor
i120	20	Black	B-3		
i121	8	Black	B-3		Navigation system switch
i122	22	Green	B-3		MFD
i123	14	Green	B-3		Warning box (Driver's side)
i124	12	Gray	C-2		Joint connector
i125	12	Gray	C-2		
i126	12	Black	C-1		
i127	12	Black	C-2		
i128	12	Blue	C-1		CAN joint connector
i129	8	★	C-3		Impact sensor

Instrument Panel Wiring Harness

WIRING SYSTEM

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
i130	22	★	C-3	R230	Rear wiring harness LH (CTR)
i131	20	Black	C-4		Audio unit
i132	22	★	B-5	R243	Roof harness
i133	5	Green	B-3		TV monitor (Rear entertainment)
i134	3	★	B-2		Turn signal hazard relay (Sound)

★ : White or natural color



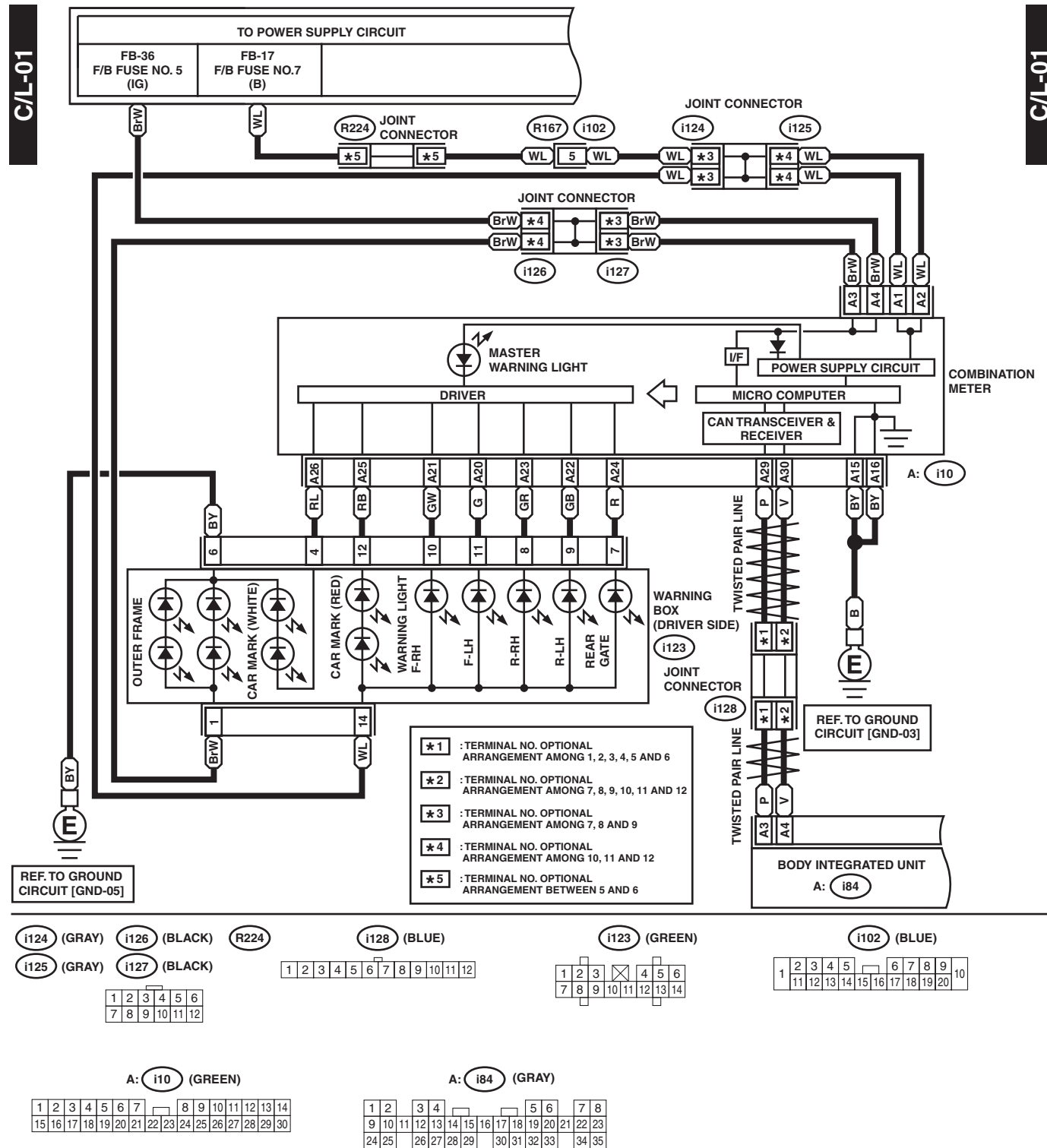
WI-08155

Interior Light System

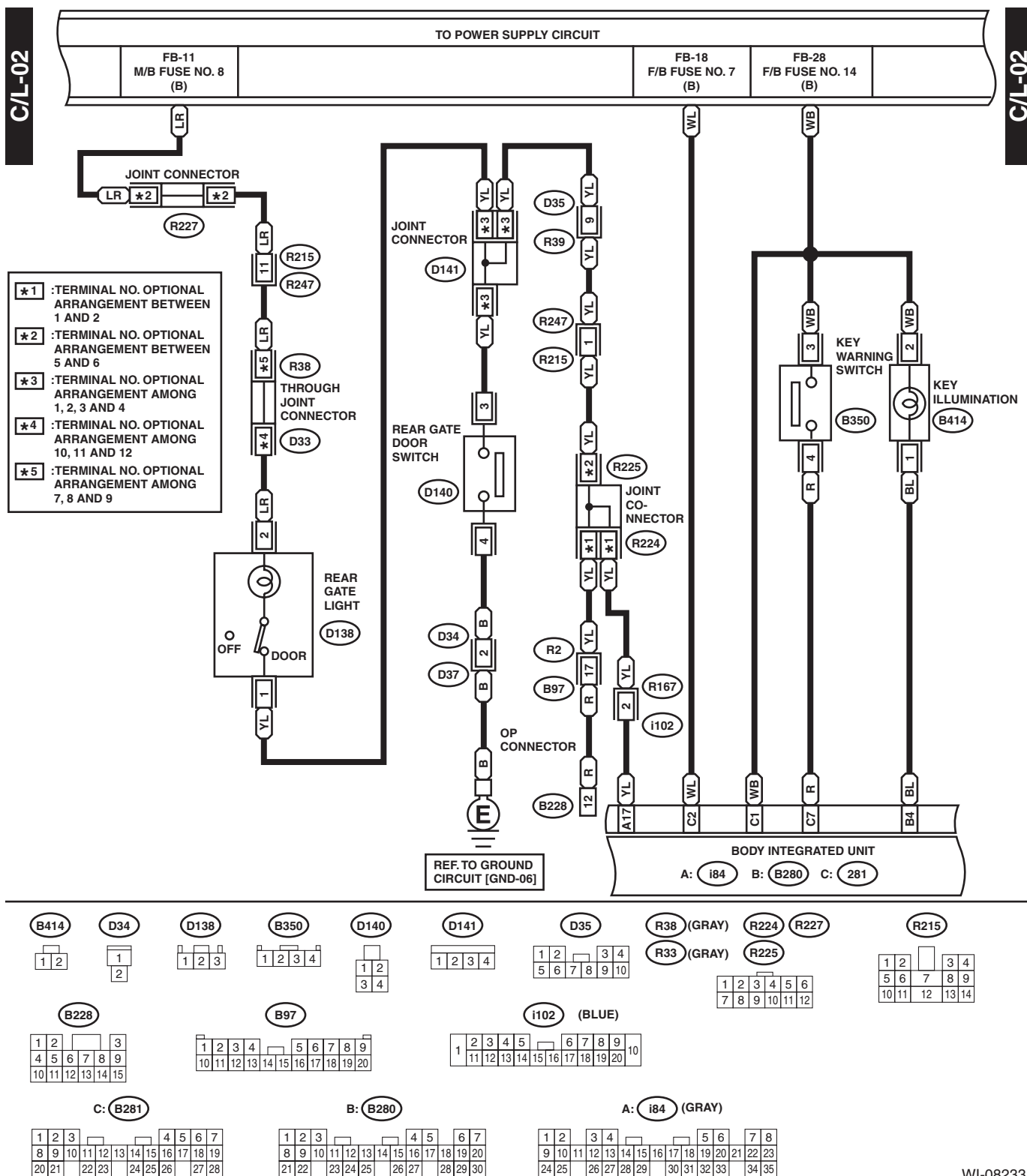
WIRING SYSTEM

29. Interior Light System

A: WIRING DIAGRAM

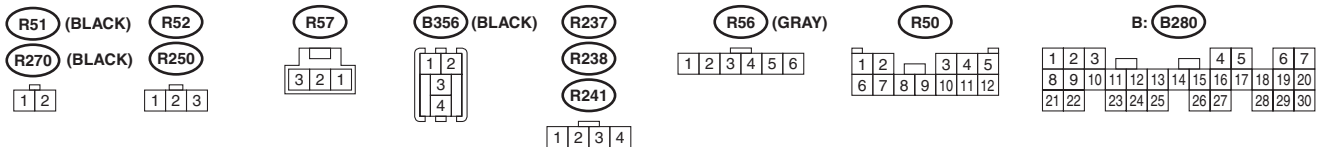
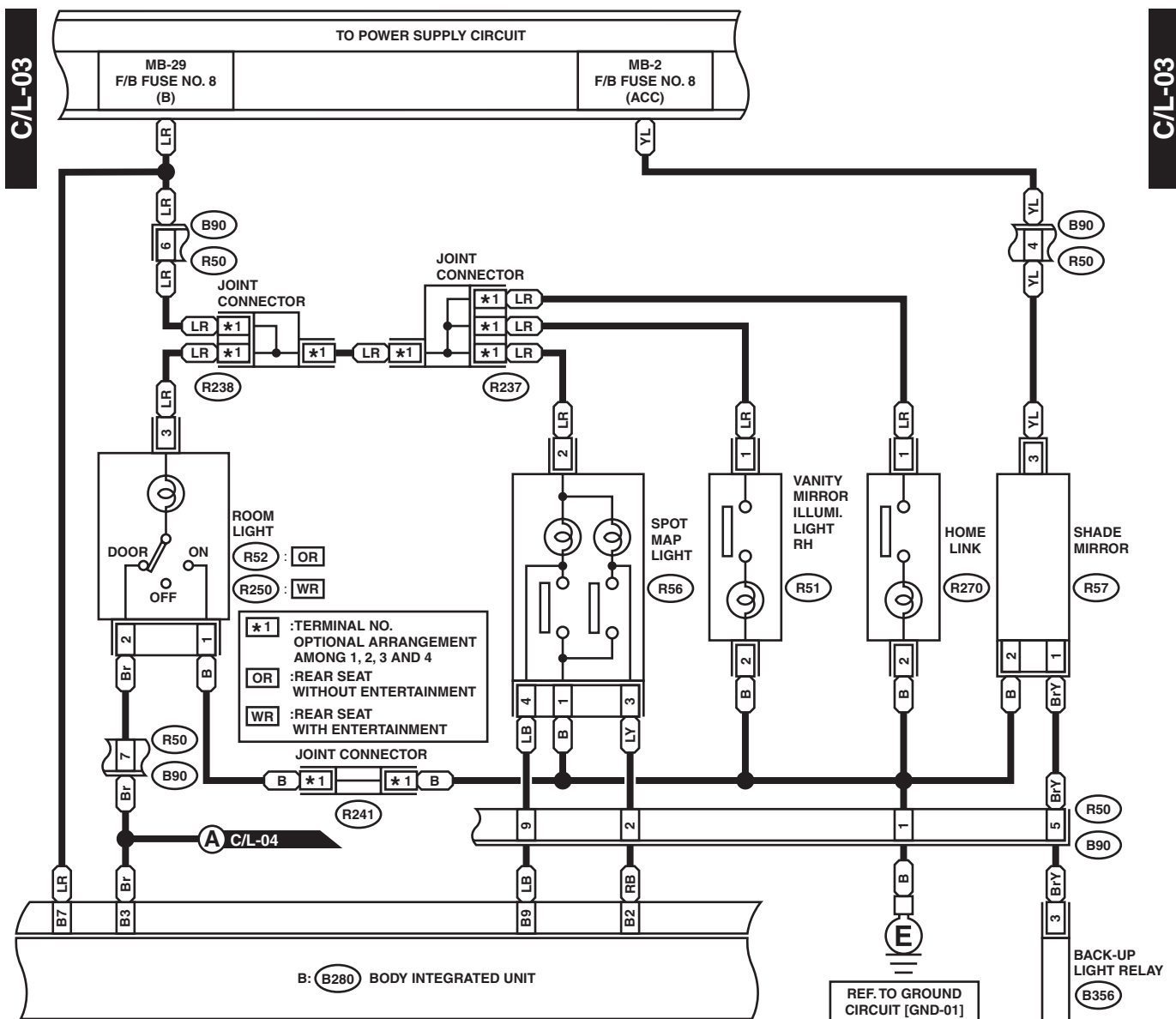


WI-08104

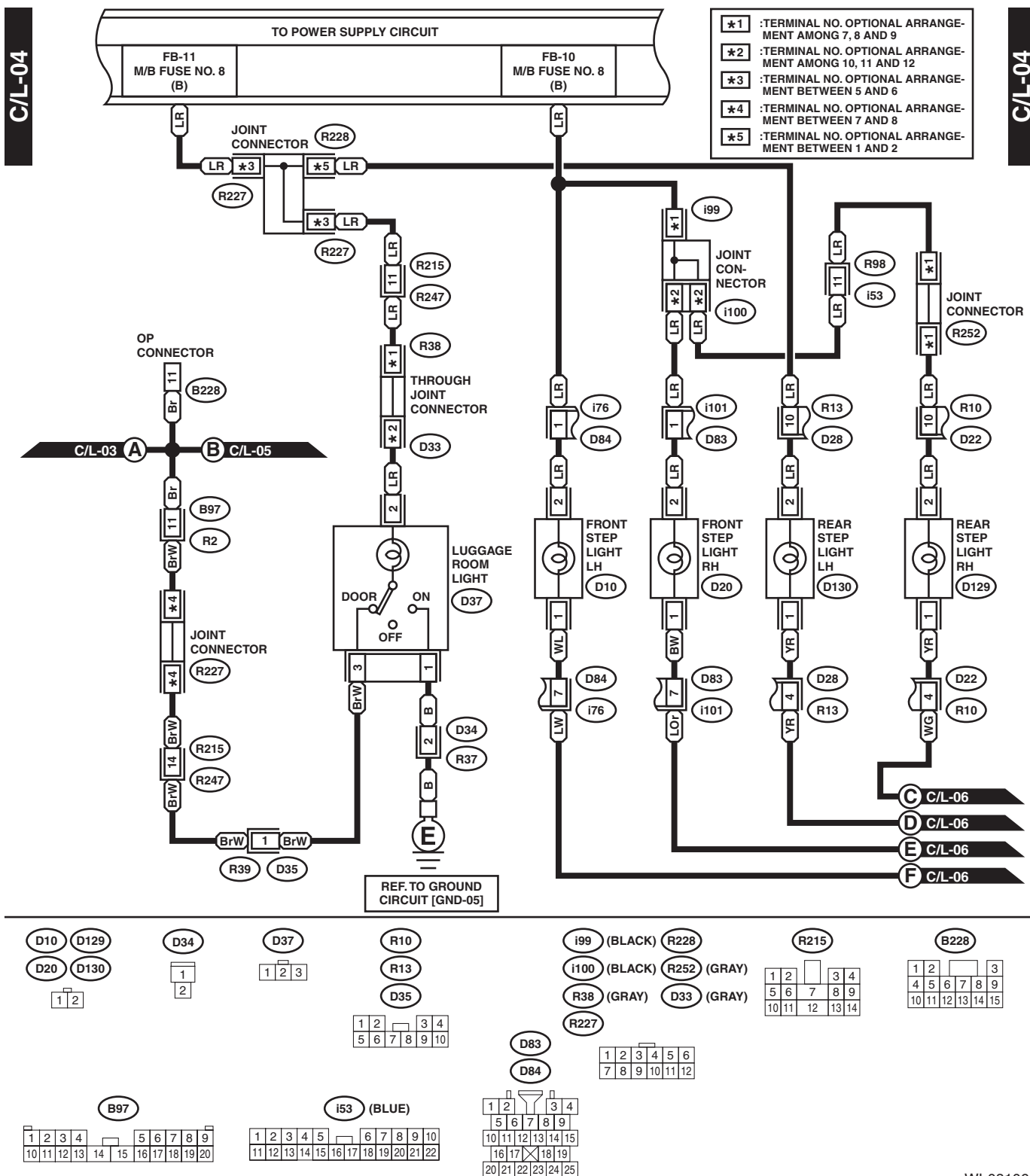


Interior Light System

WIRING SYSTEM



WI-08105

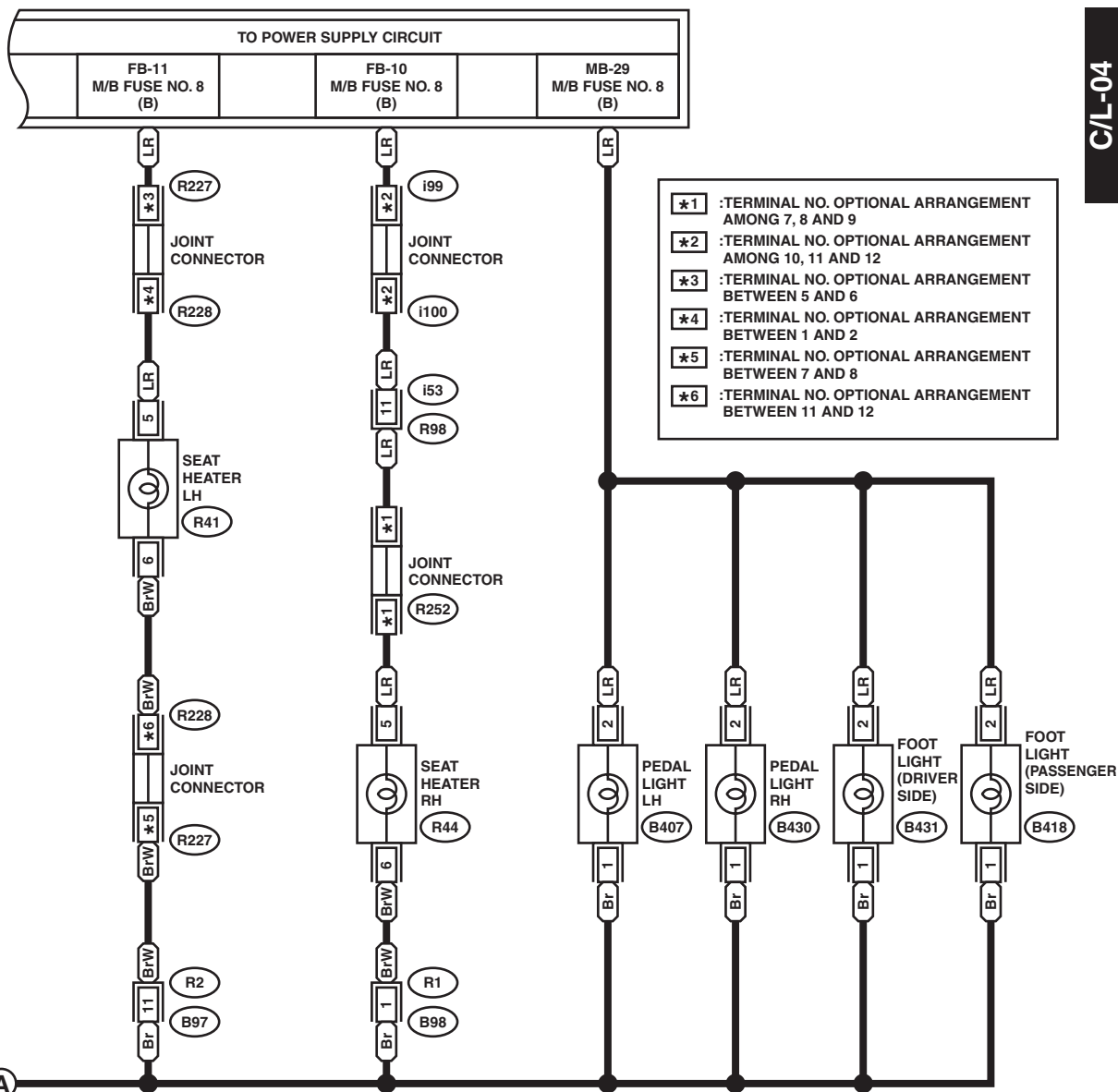


Interior Light System

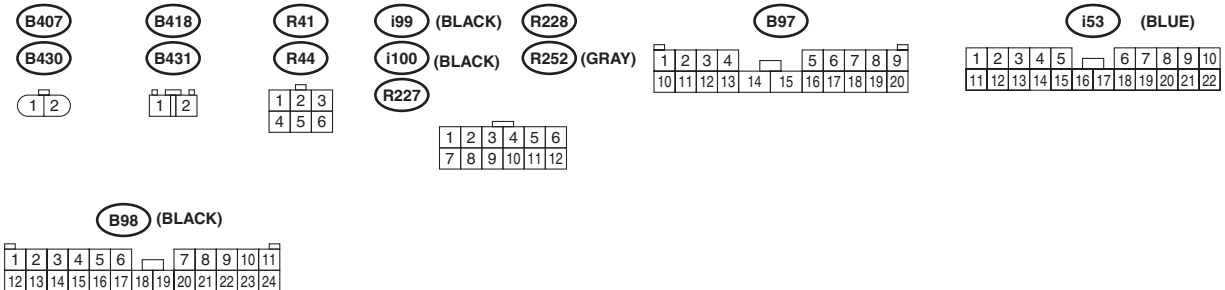
WIRING SYSTEM

C/L-04

C/L-04



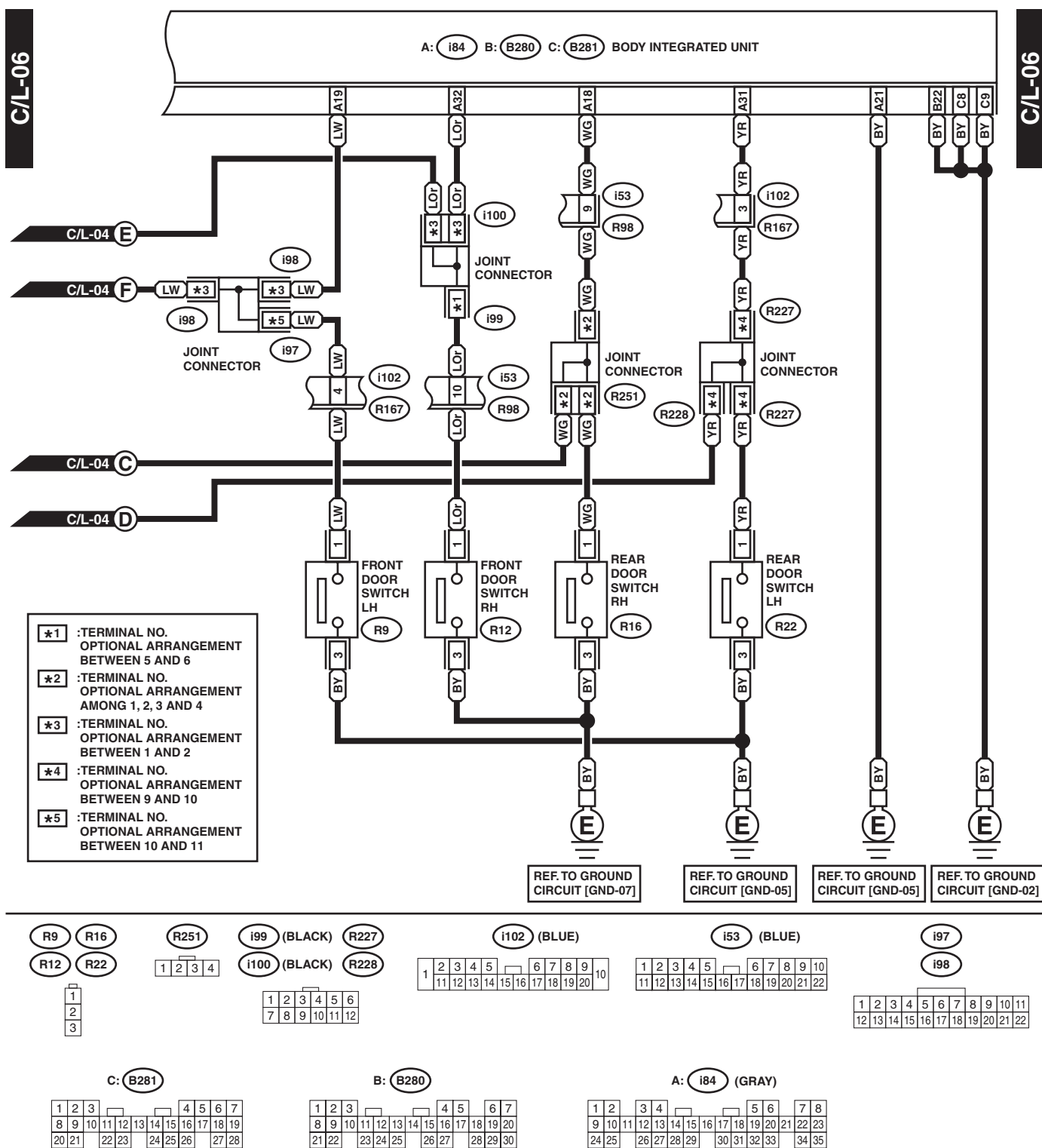
- *1 :TERMINAL NO. OPTIONAL ARRANGEMENT AMONG 7, 8 AND 9
- *2 :TERMINAL NO. OPTIONAL ARRANGEMENT AMONG 10, 11 AND 12
- *3 :TERMINAL NO. OPTIONAL ARRANGEMENT BETWEEN 5 AND 6
- *4 :TERMINAL NO. OPTIONAL ARRANGEMENT BETWEEN 1 AND 2
- *5 :TERMINAL NO. OPTIONAL ARRANGEMENT BETWEEN 7 AND 8
- *6 :TERMINAL NO. OPTIONAL ARRANGEMENT BETWEEN 11 AND 12



WI-08107

Interior Light System

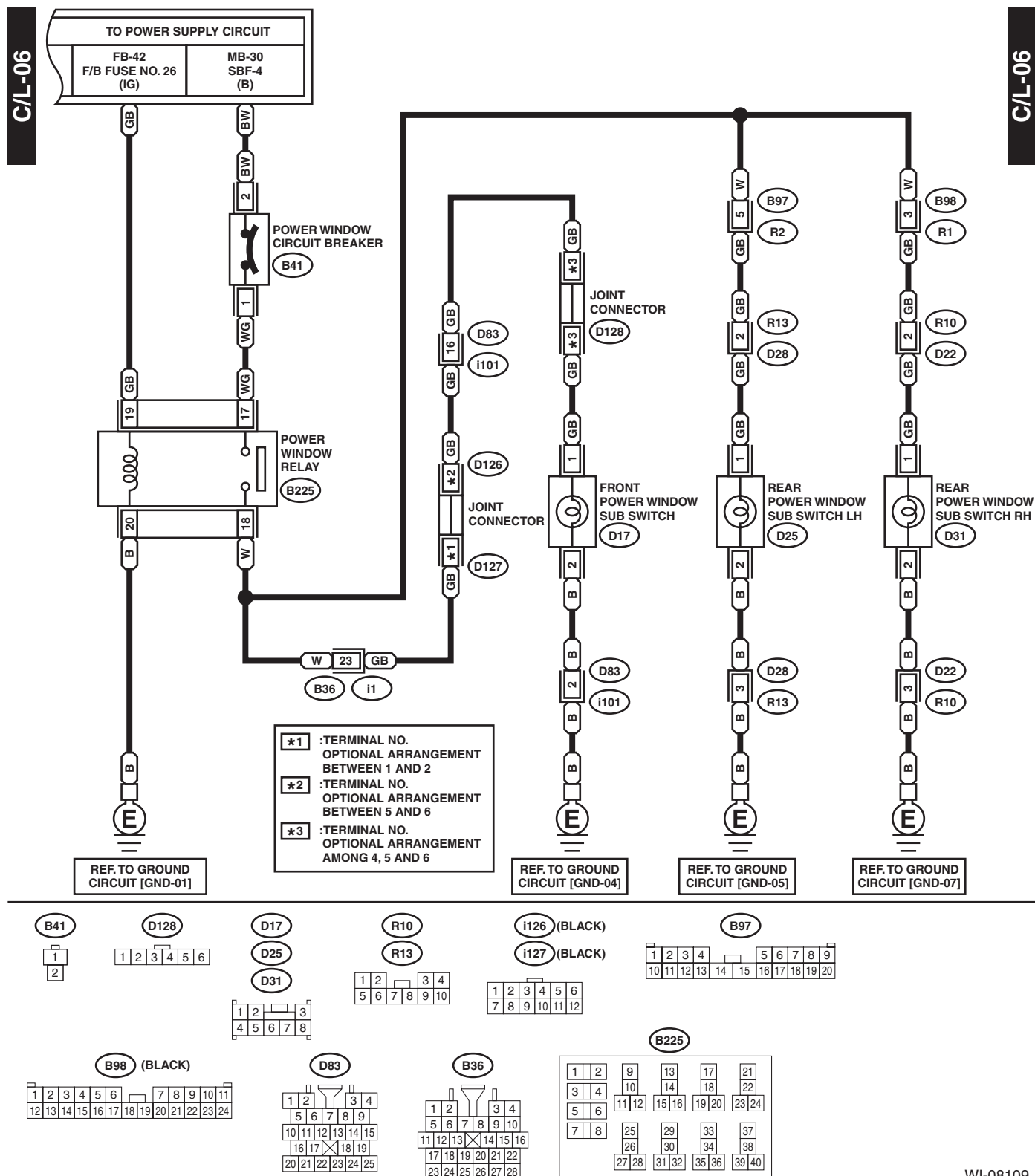
WIRING SYSTEM



WI-08108

Interior Light System

WIRING SYSTEM

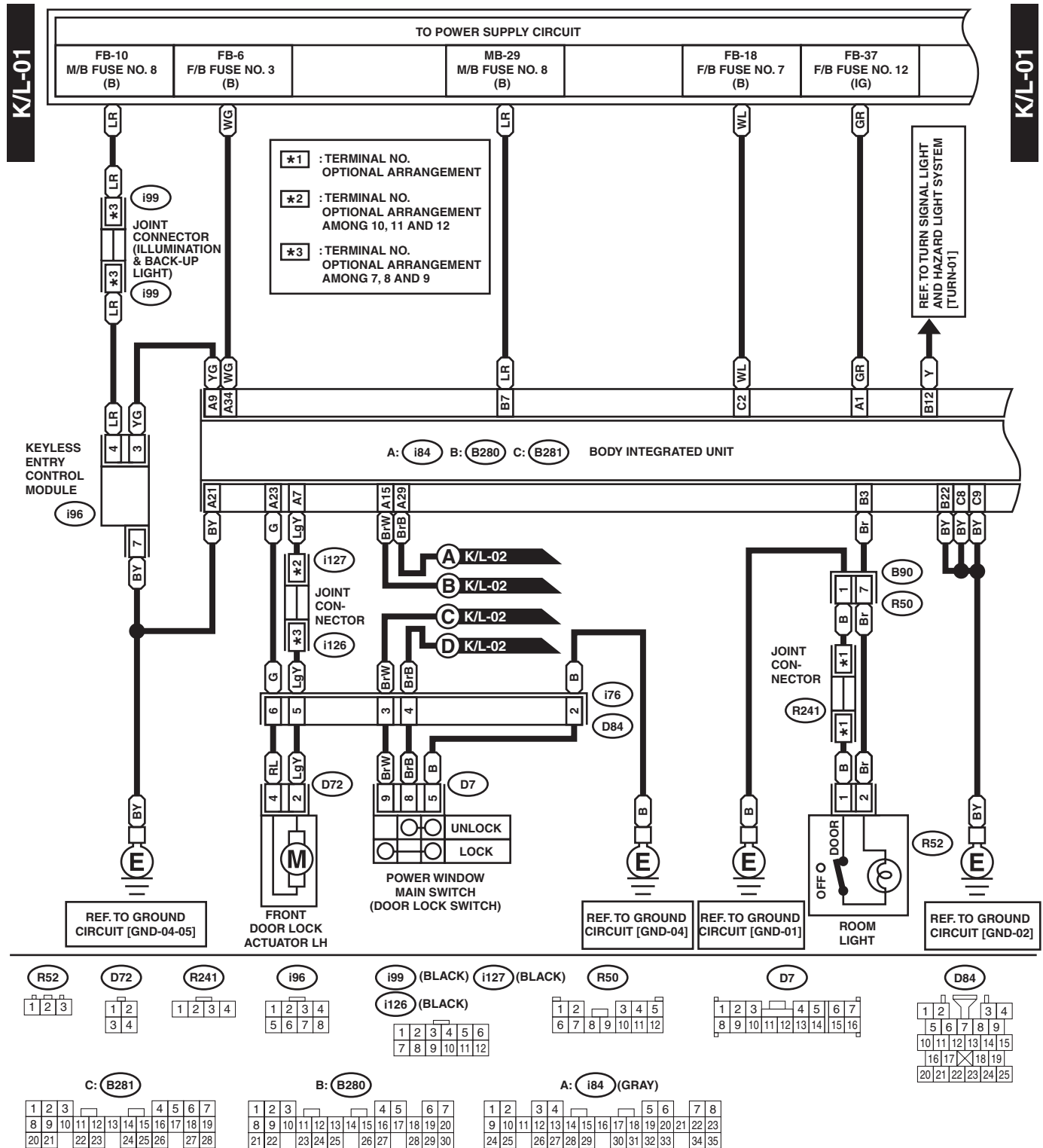


WI-08109

WIRING SYSTEM

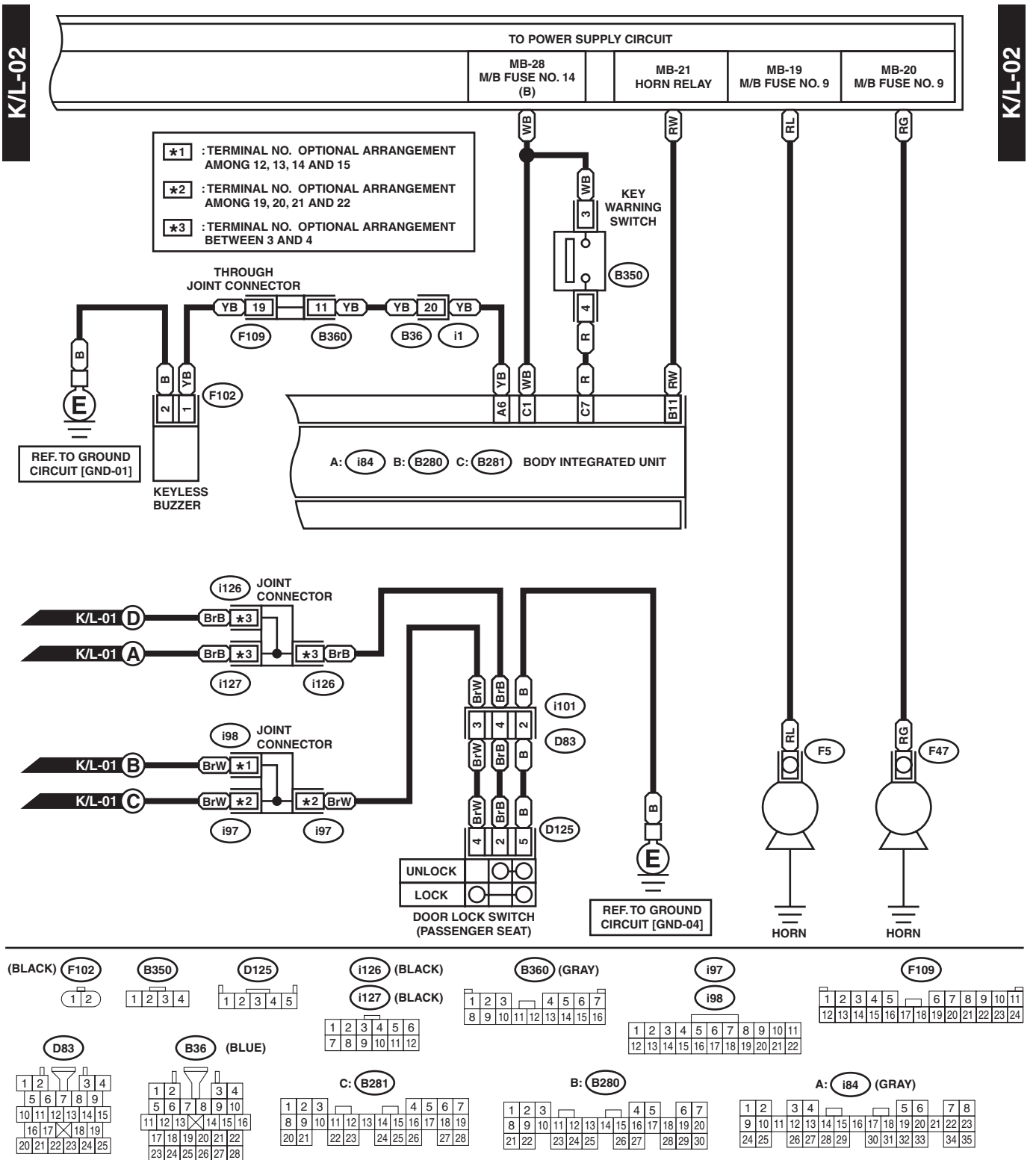
50.Keyless Entry System

A: WIRING DIAGRAM



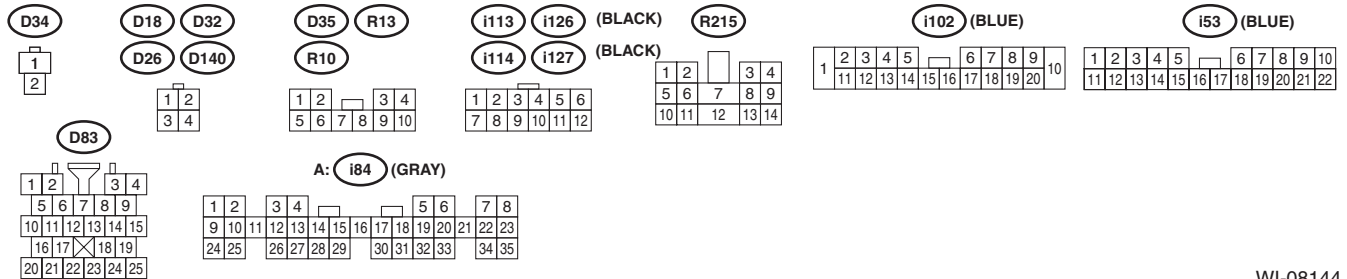
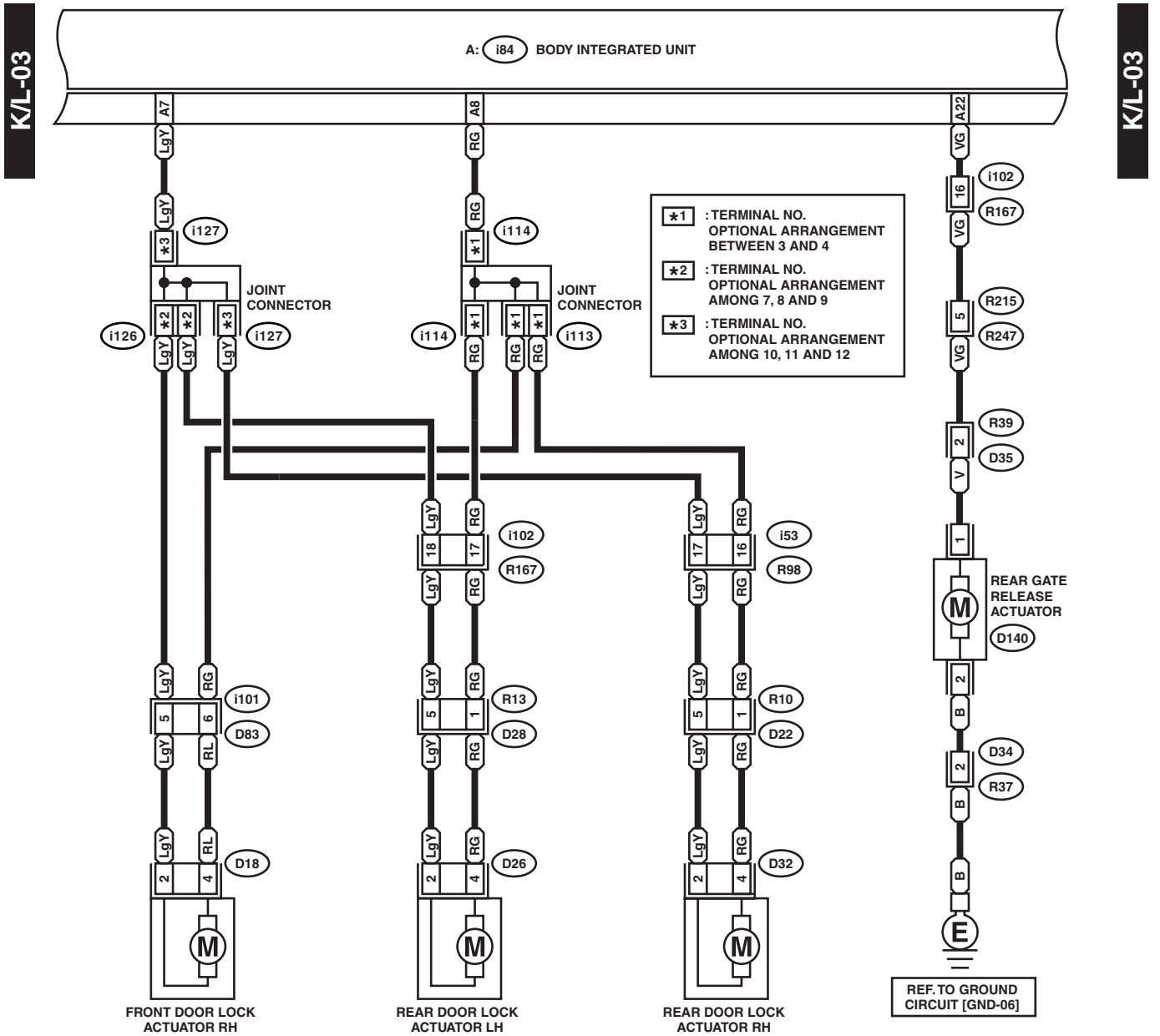
Keyless Entry System

WIRING SYSTEM



Keyless Entry System

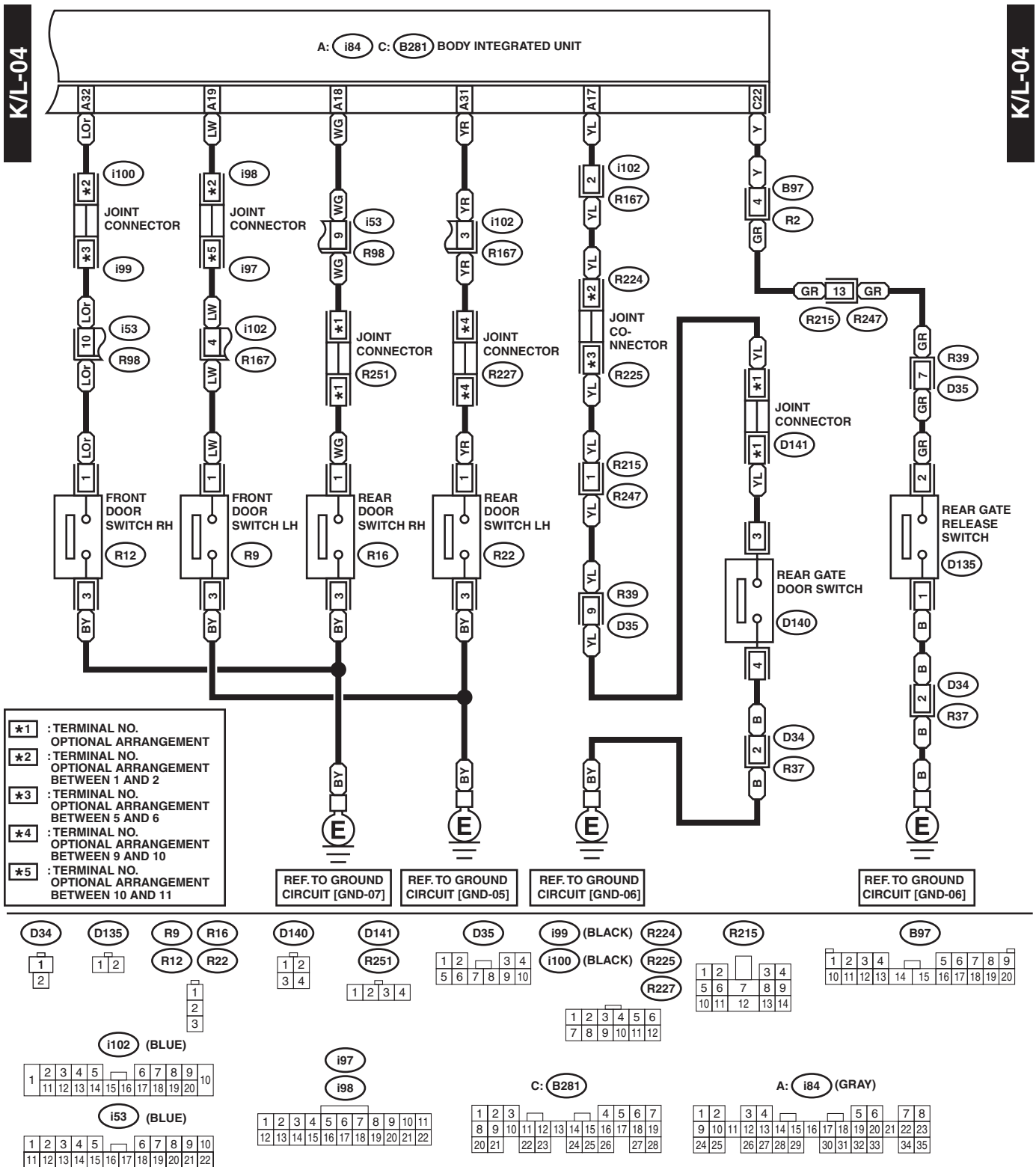
WIRING SYSTEM



WI-08144

Keyless Entry System

WIRING SYSTEM



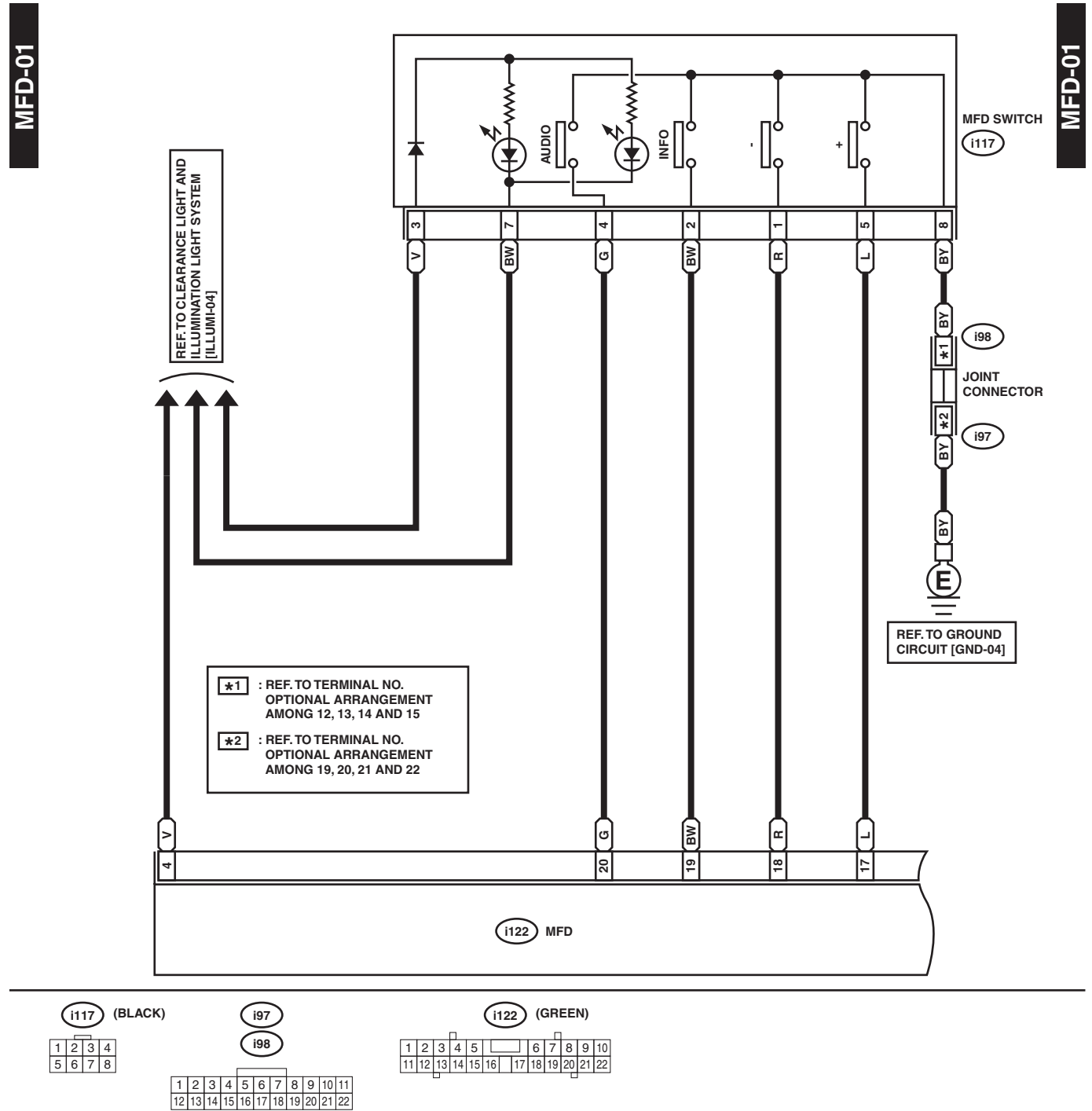
WI-08145

Multi-function Display (MFD) System

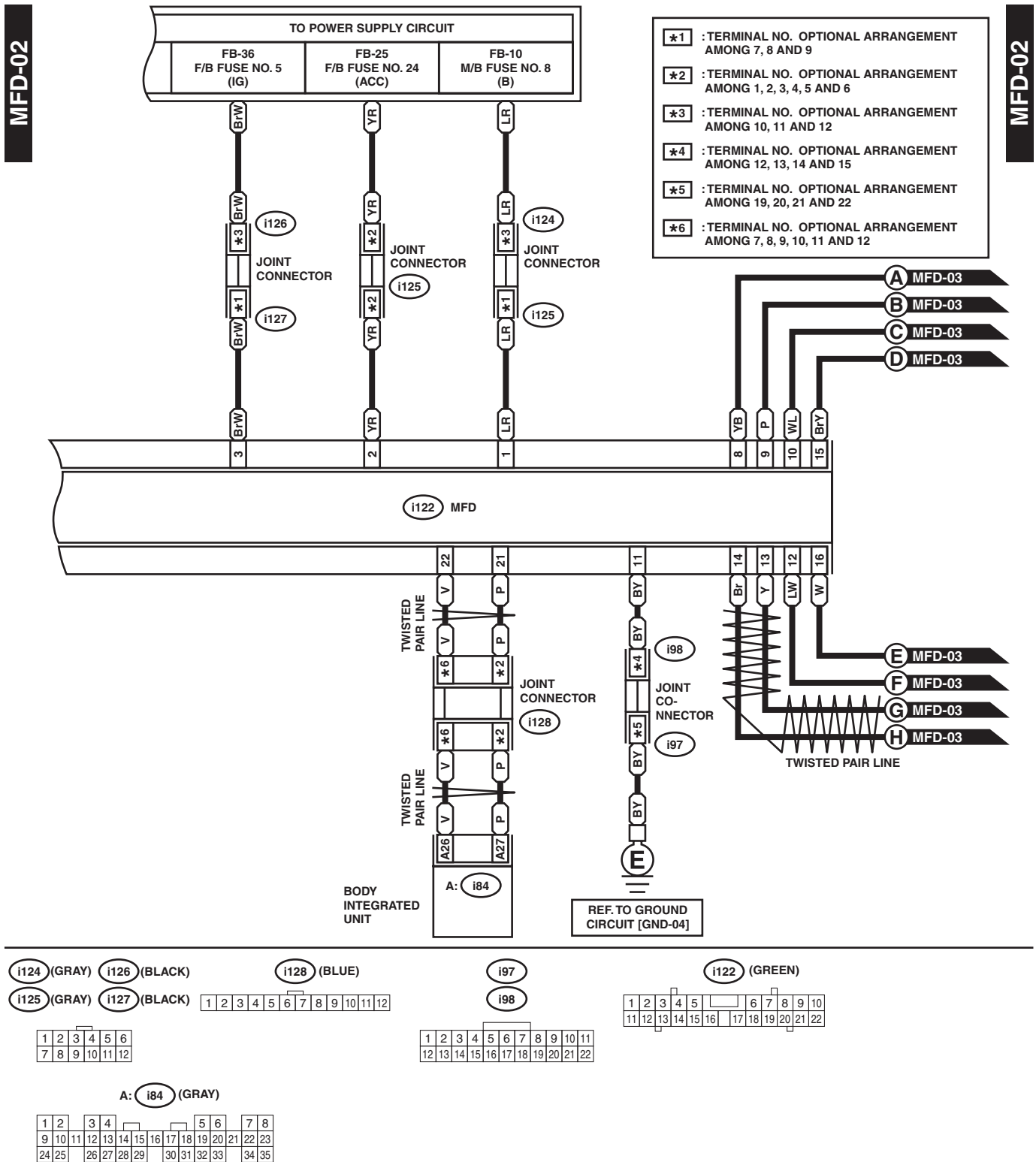
WIRING SYSTEM

36.Multi-function Display (MFD) System

A: WIRING DIAGRAM



WI-08119

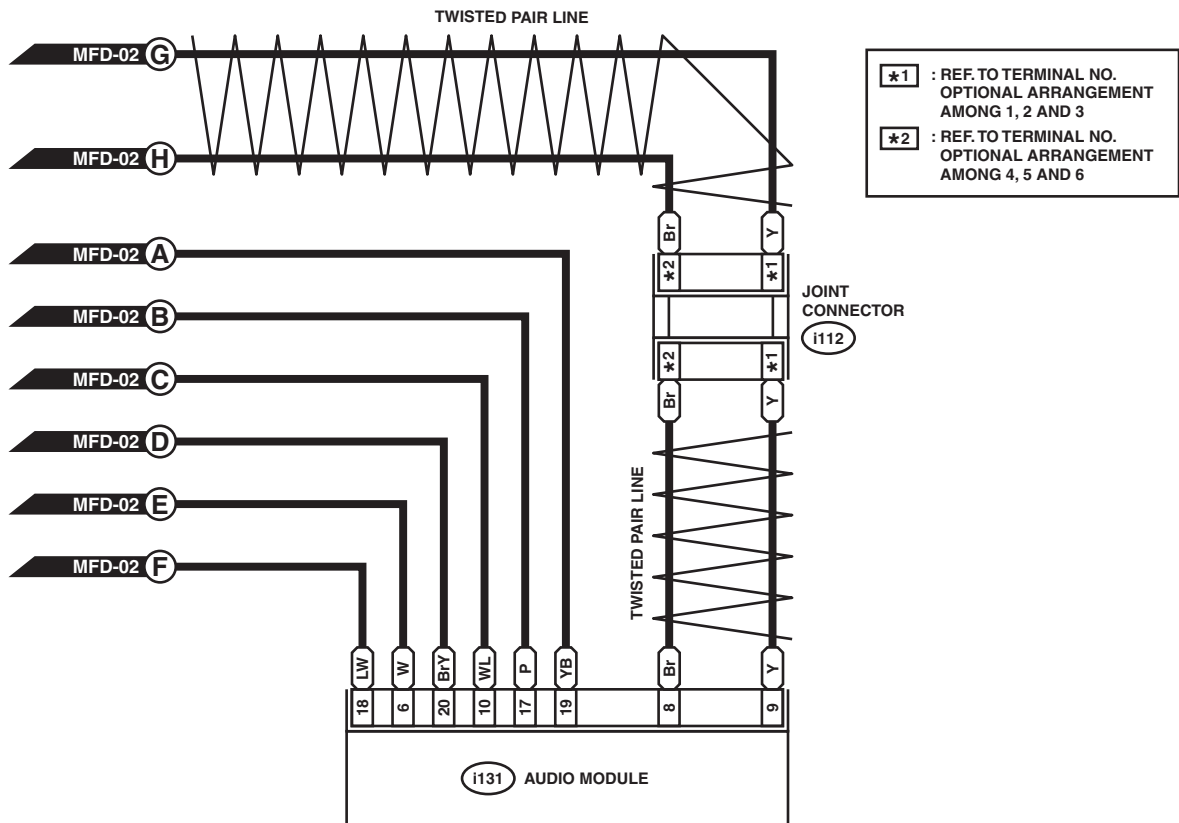


Multi-function Display (MFD) System

WIRING SYSTEM

MFD-03

MFD-03



i112

1	2	3	4	5	6
---	---	---	---	---	---

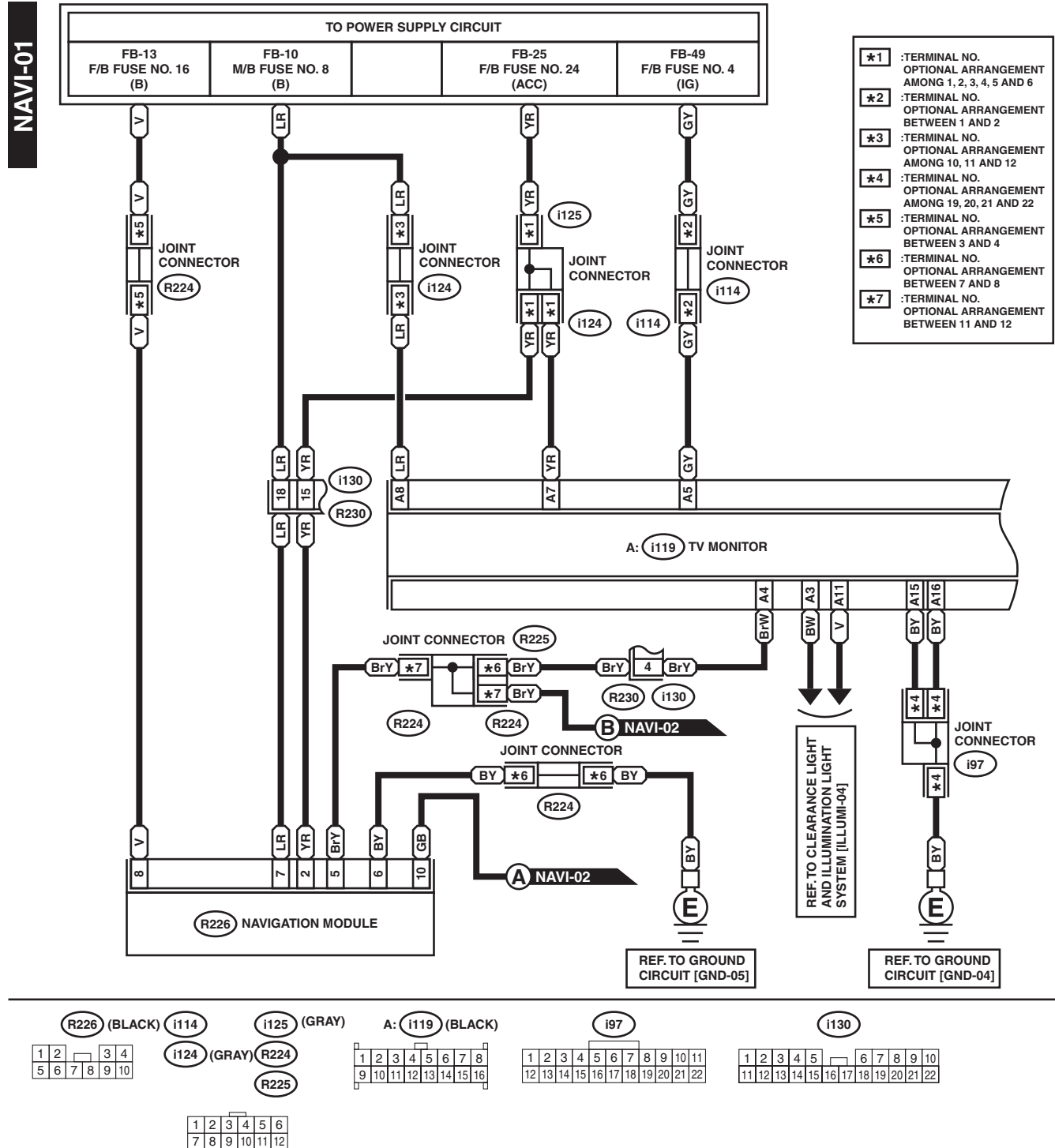
i131 (BLACK)

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

WI-08120

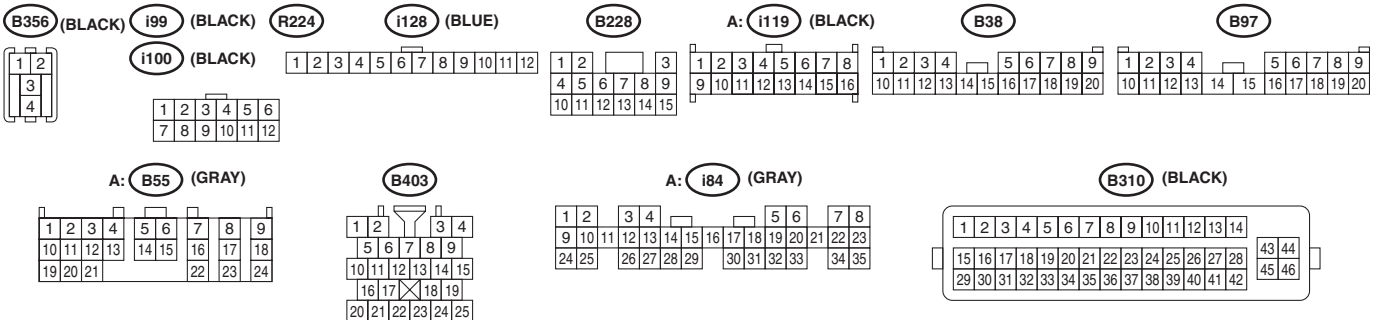
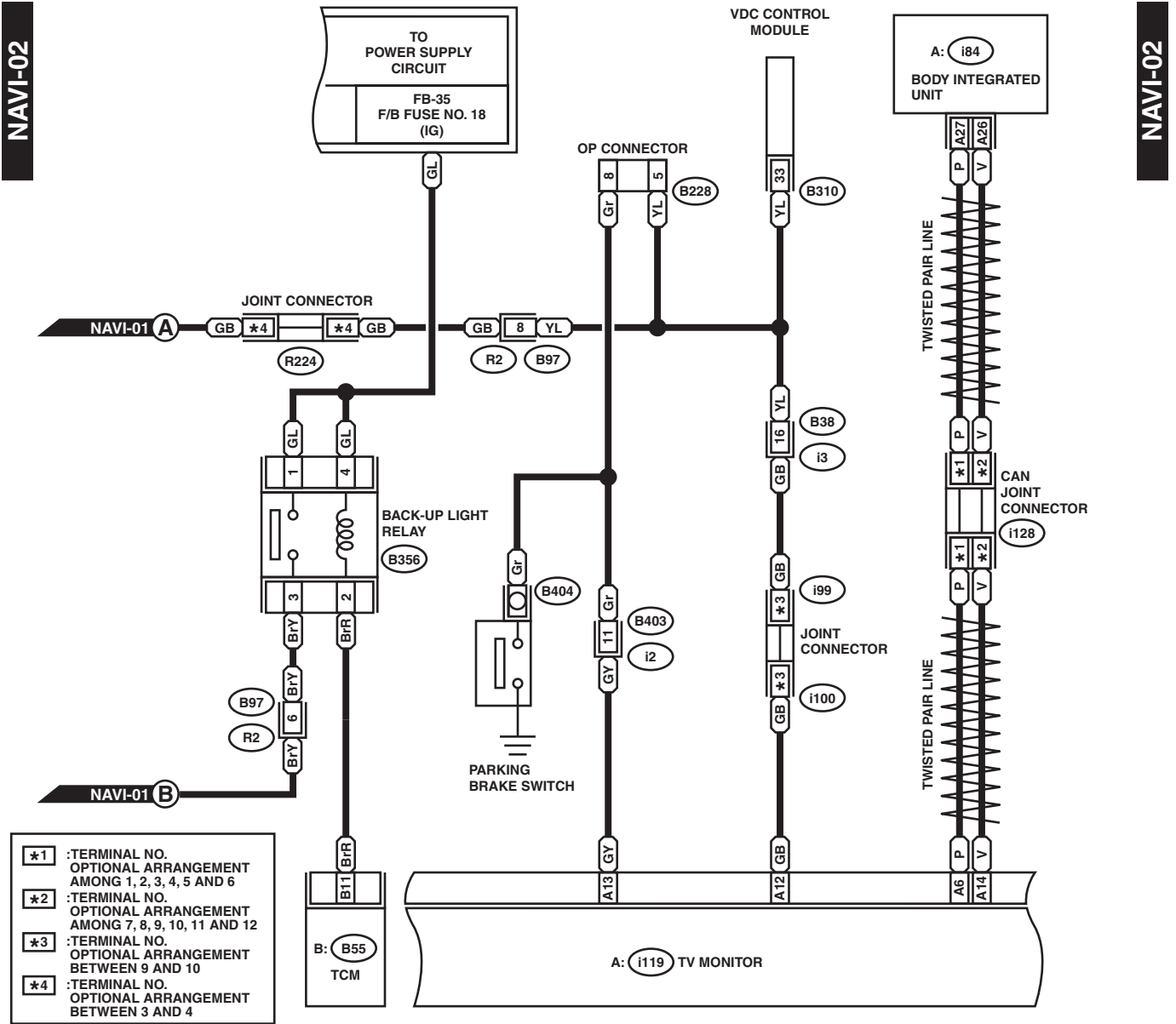
35.Navigation System

A: WIRING DIAGRAM



NAVI-02

NAVI-02



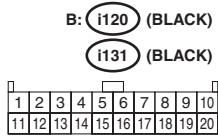
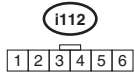
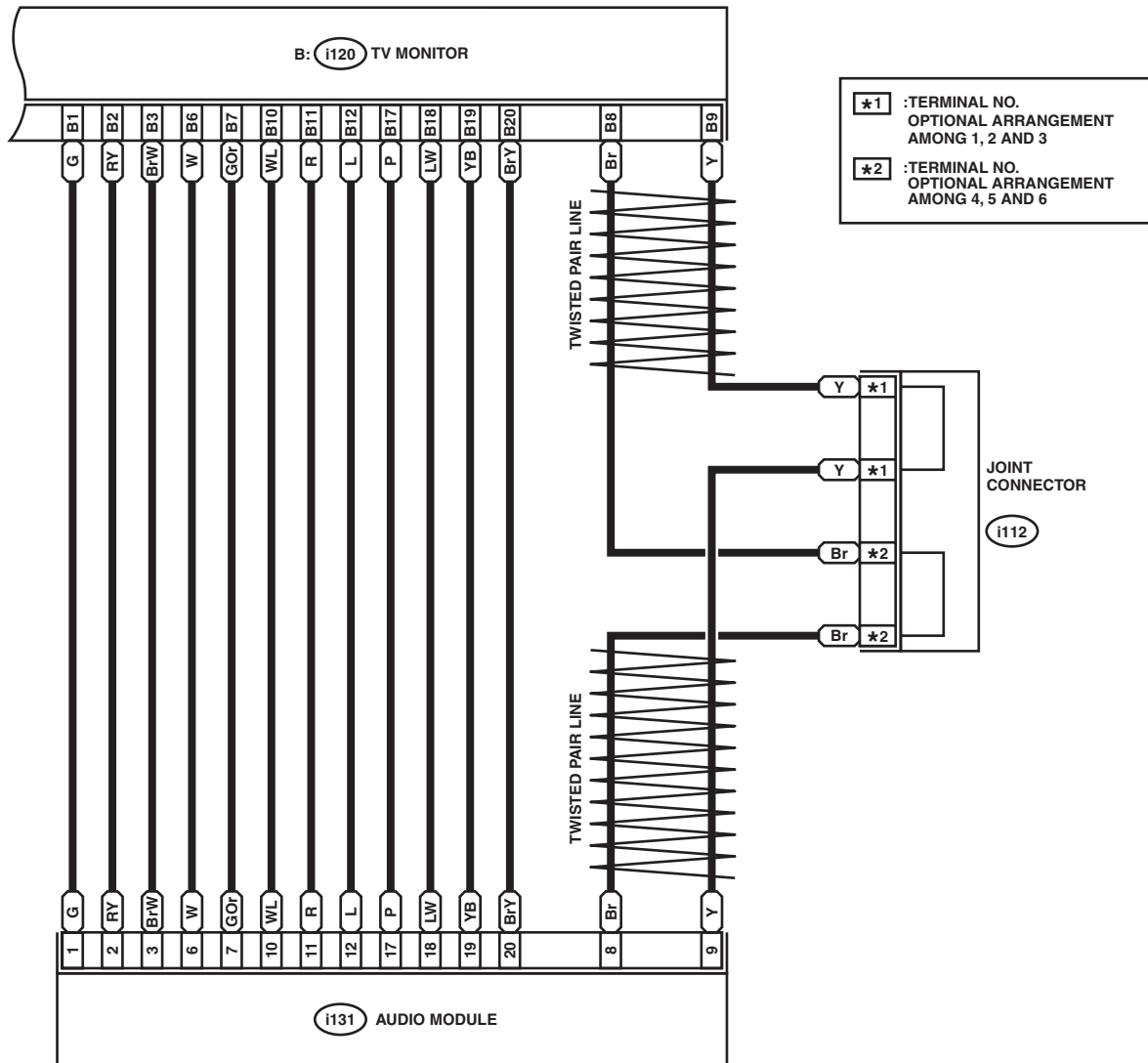
WI-08116

Navigation System

WIRING SYSTEM

NAVI-03

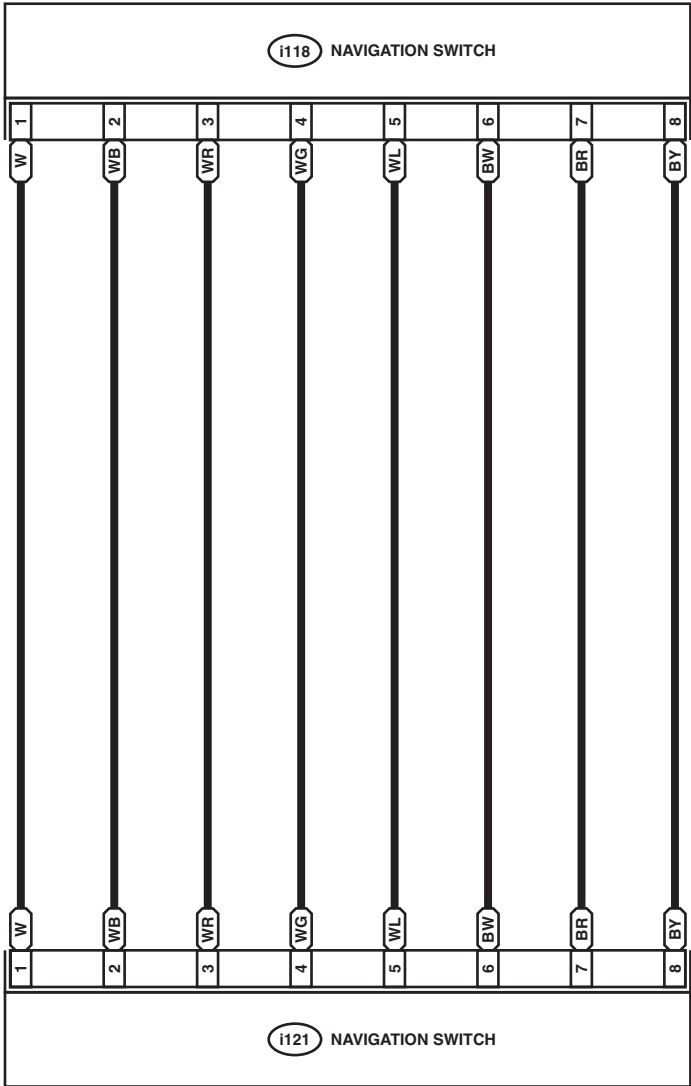
NAVI-03



WI-08117

NAVI-04

NAVI-04



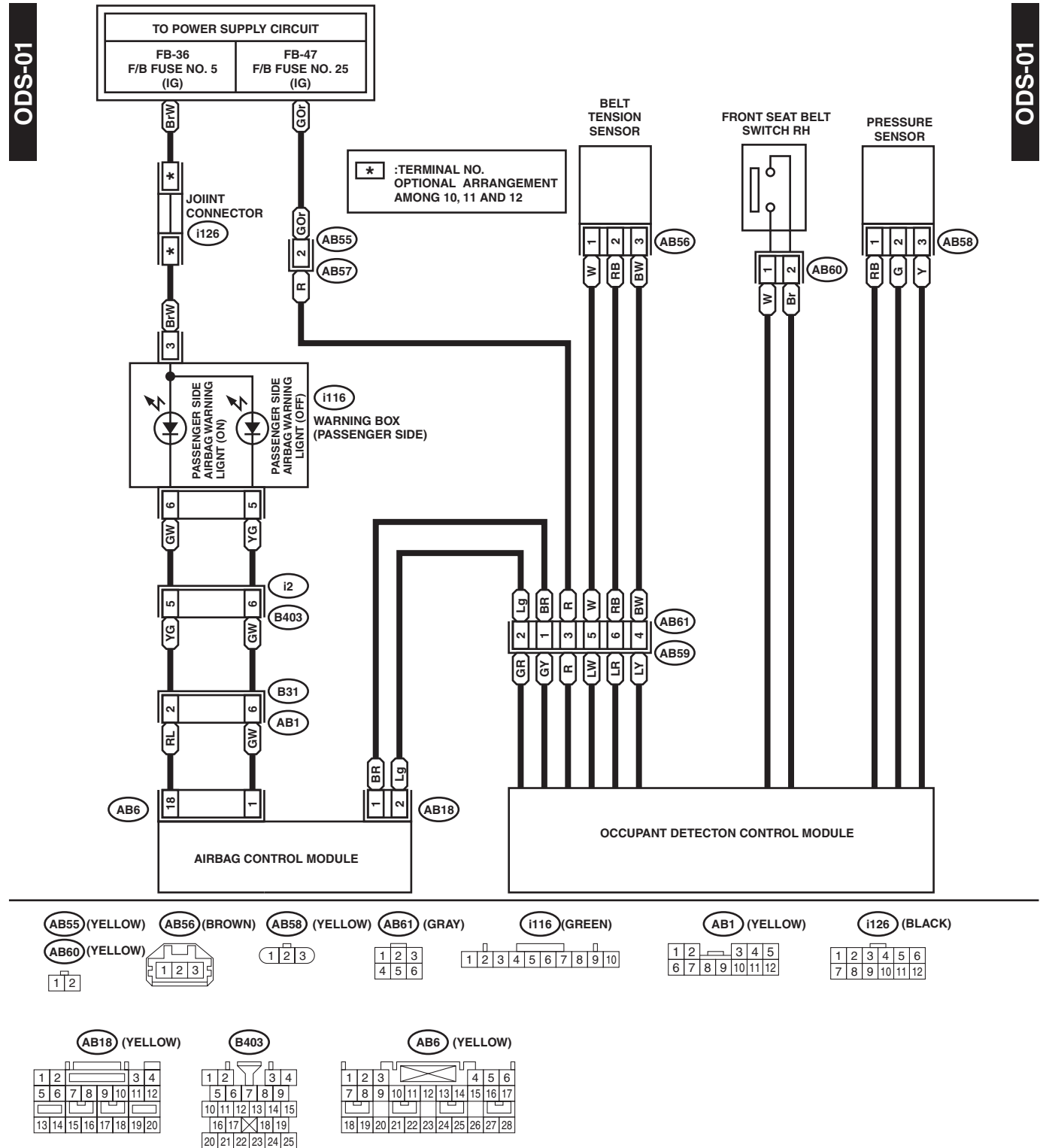
i118 (BLACK)

i121 (BLACK)

1	2	3	4
5	6	7	8

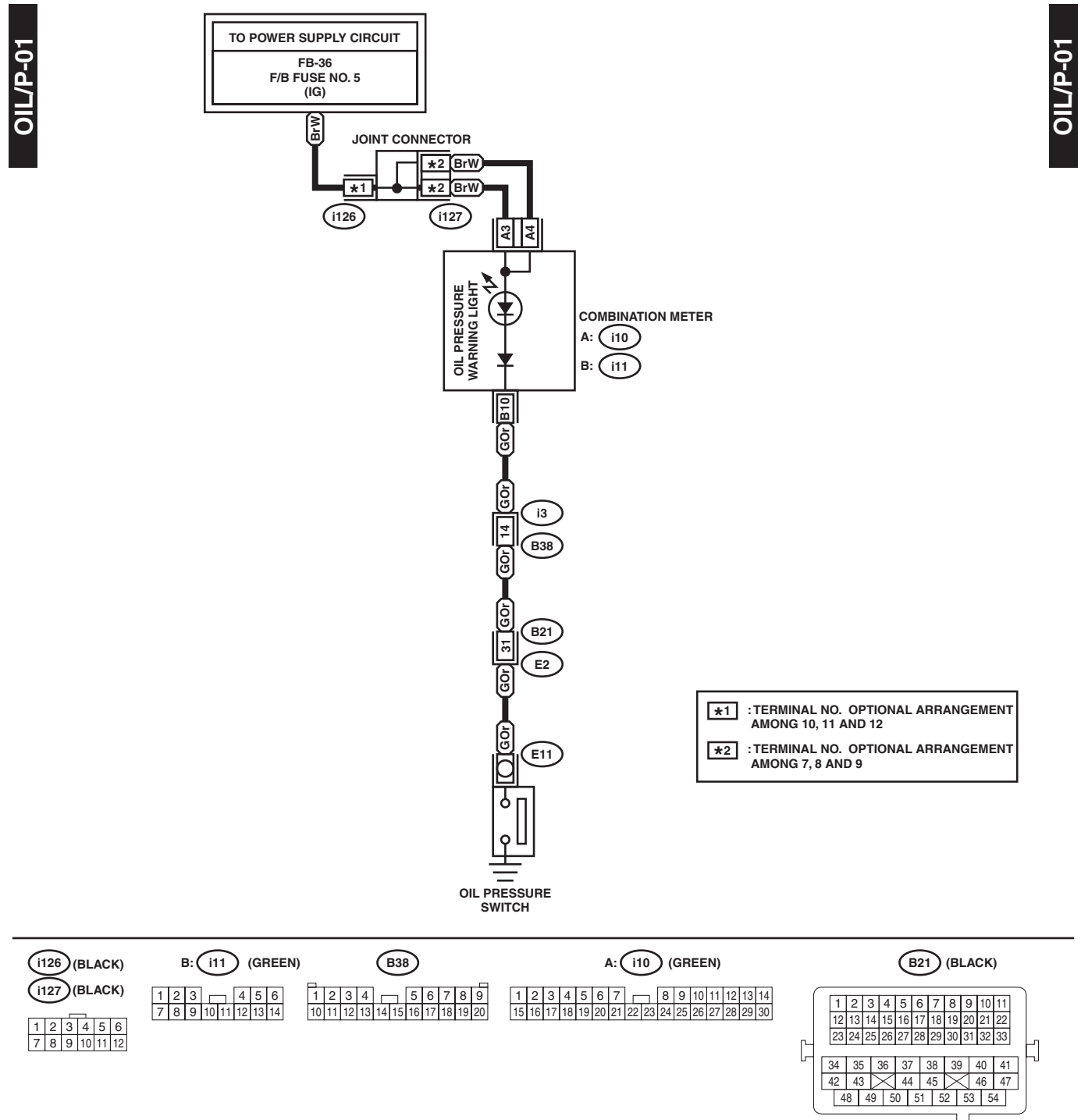
13. Occupant Detection System

A: WIRING DIAGRAM



47.Oil Pressure Warning Light System

A: WIRING DIAGRAM

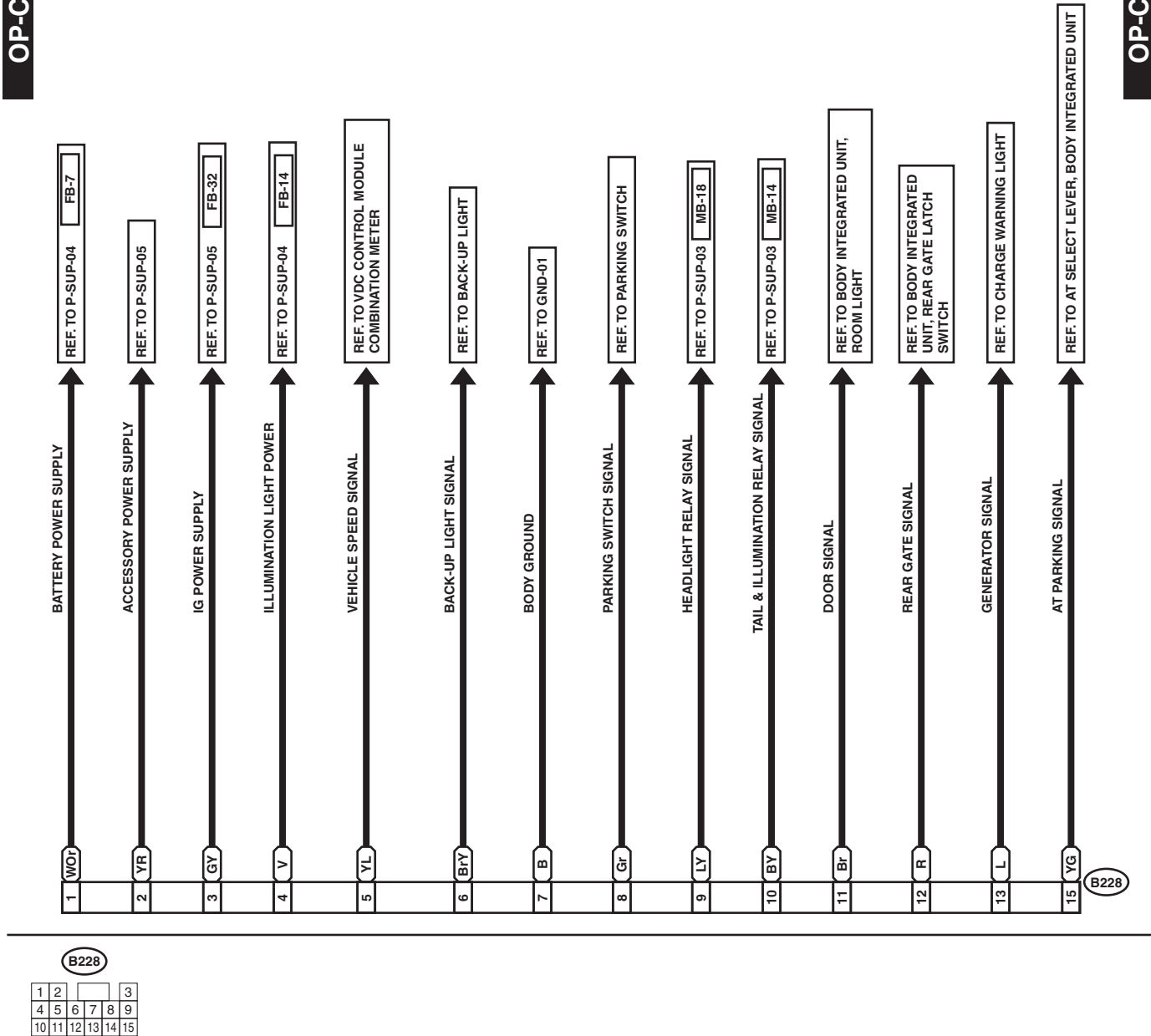


52.Option Connector System

A: WIRING DIAGRAM

OP-C-01

OP-C-01

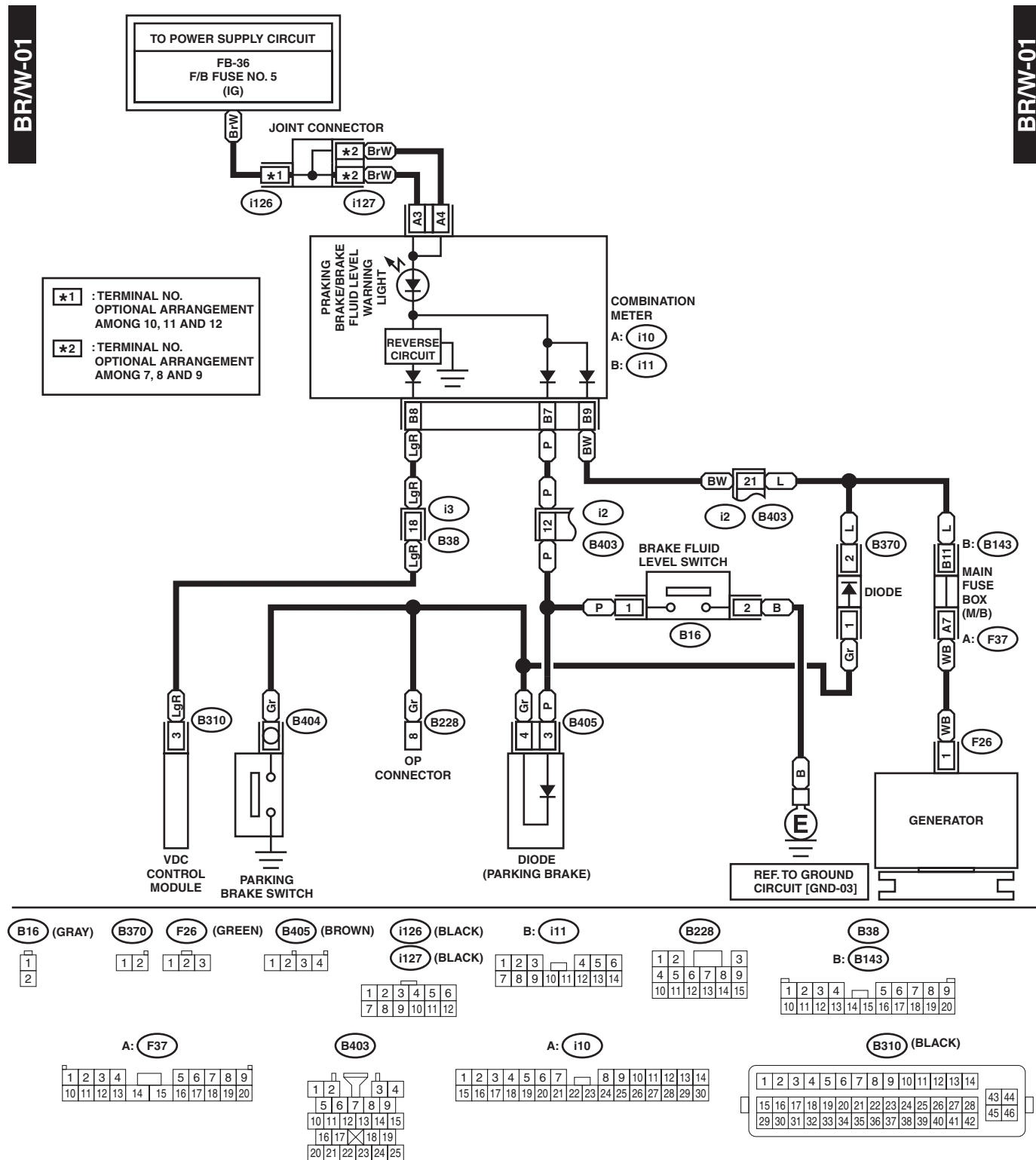


Parking Brake and Brake Fluid Level Warning System

WIRING SYSTEM

48. Parking Brake and Brake Fluid Level Warning System

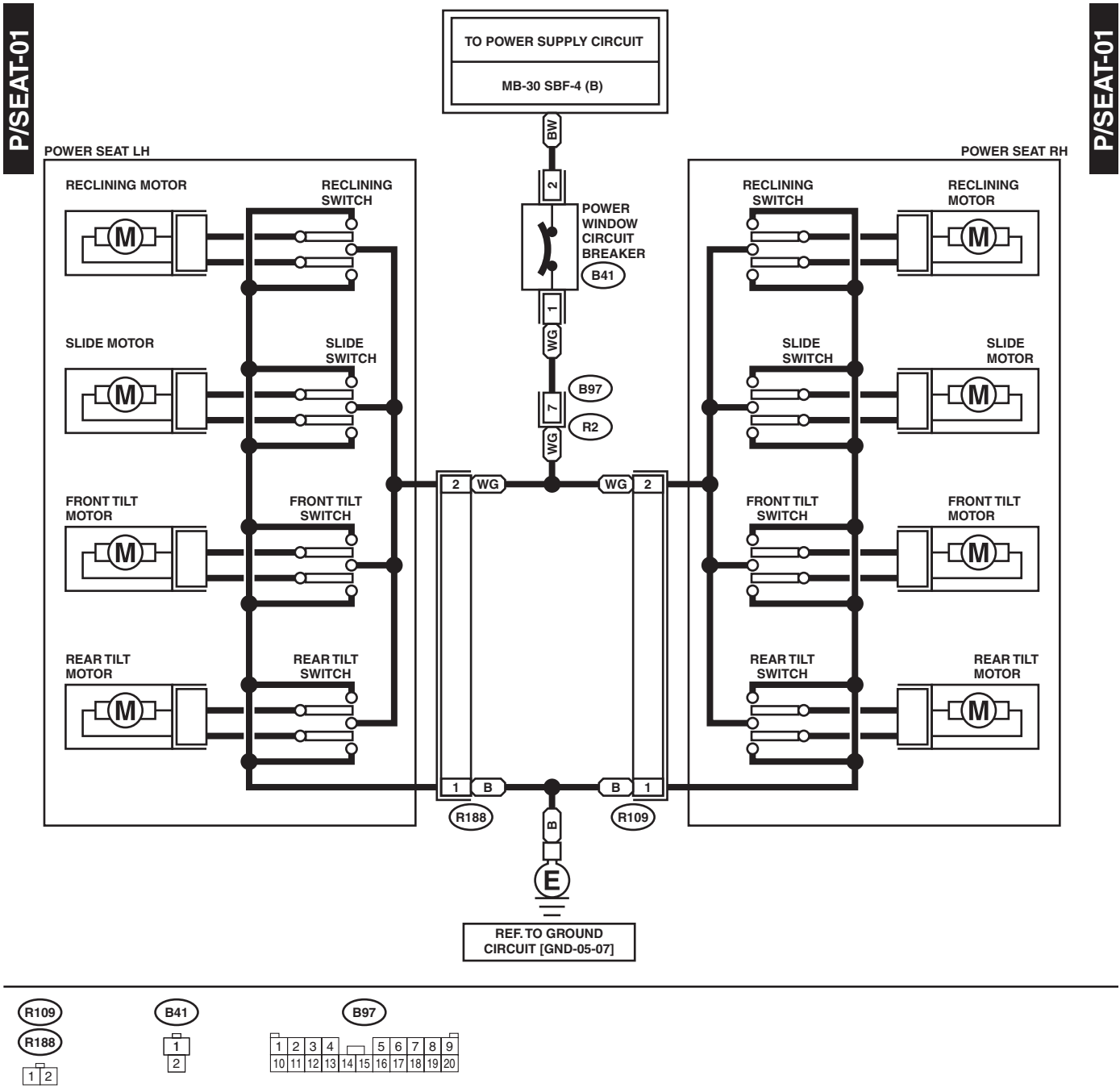
A: WIRING DIAGRAM



WI-08140

20.Power Seat System

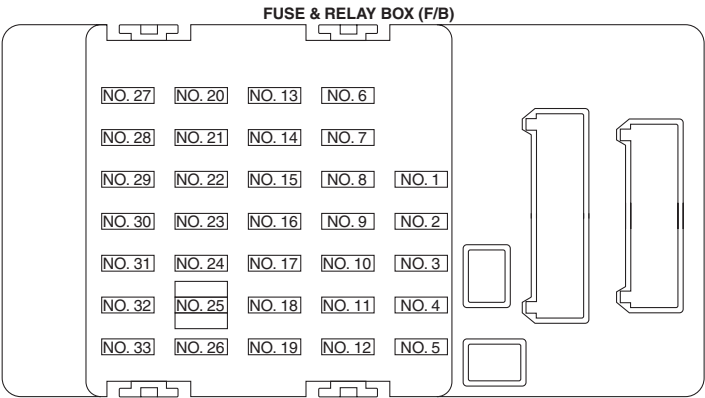
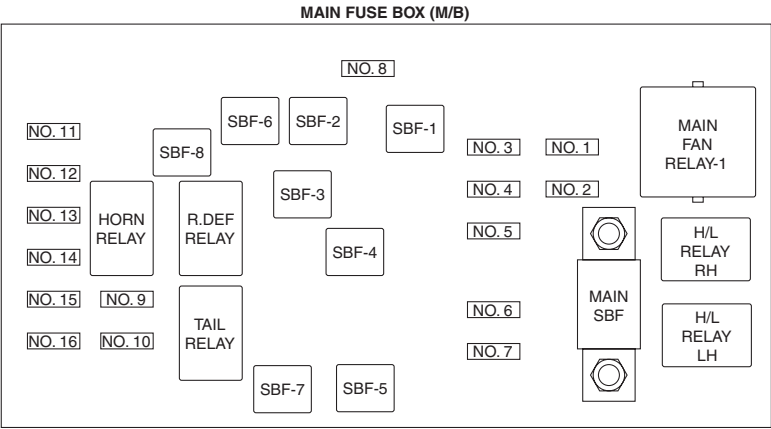
A: WIRING DIAGRAM



3. Power Supply Circuit
A: WIRING DIAGRAM

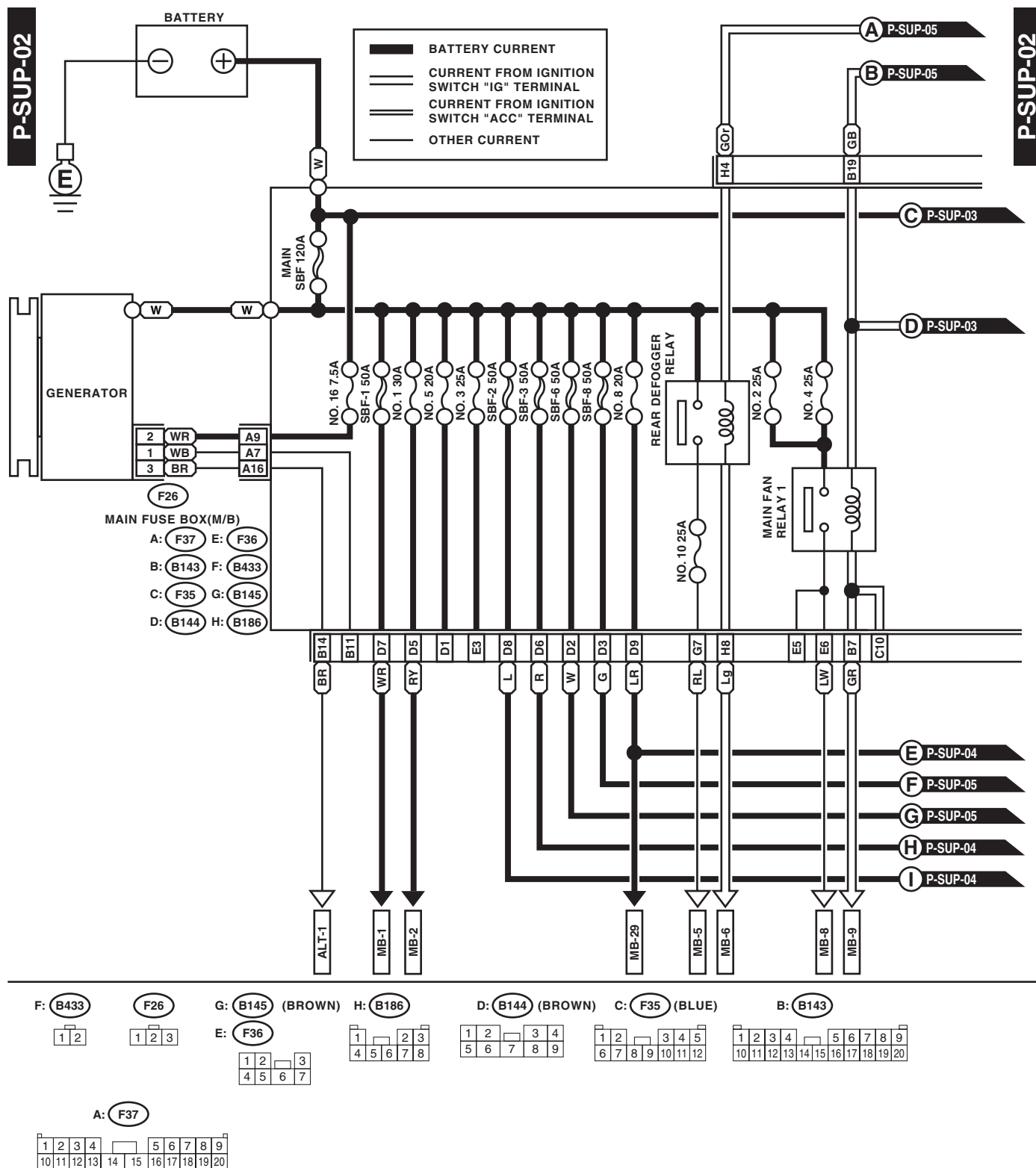
P-SUP-01

P-SUP-01



Power Supply Circuit

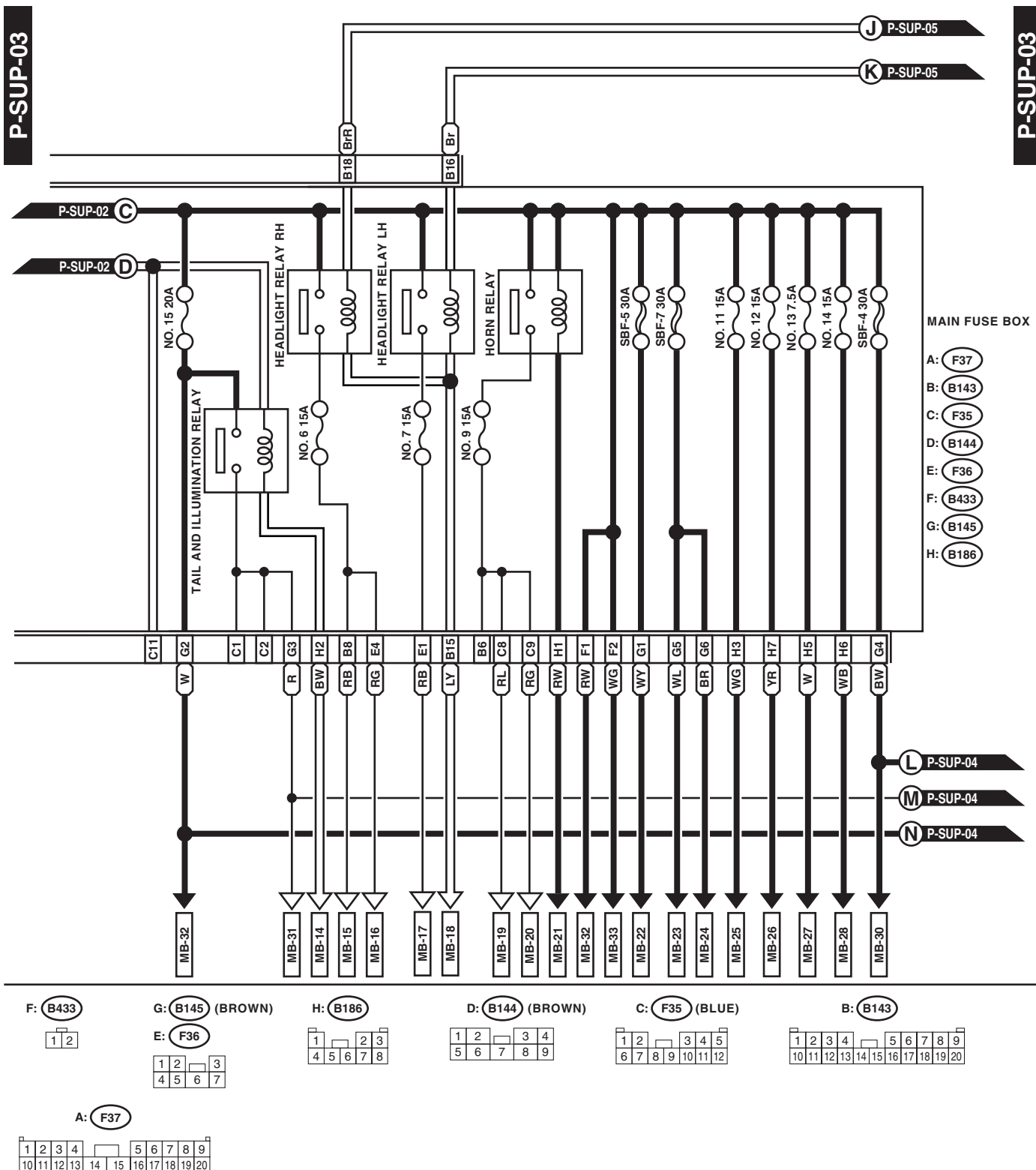
WIRING SYSTEM



WI-08026

Power Supply Circuit

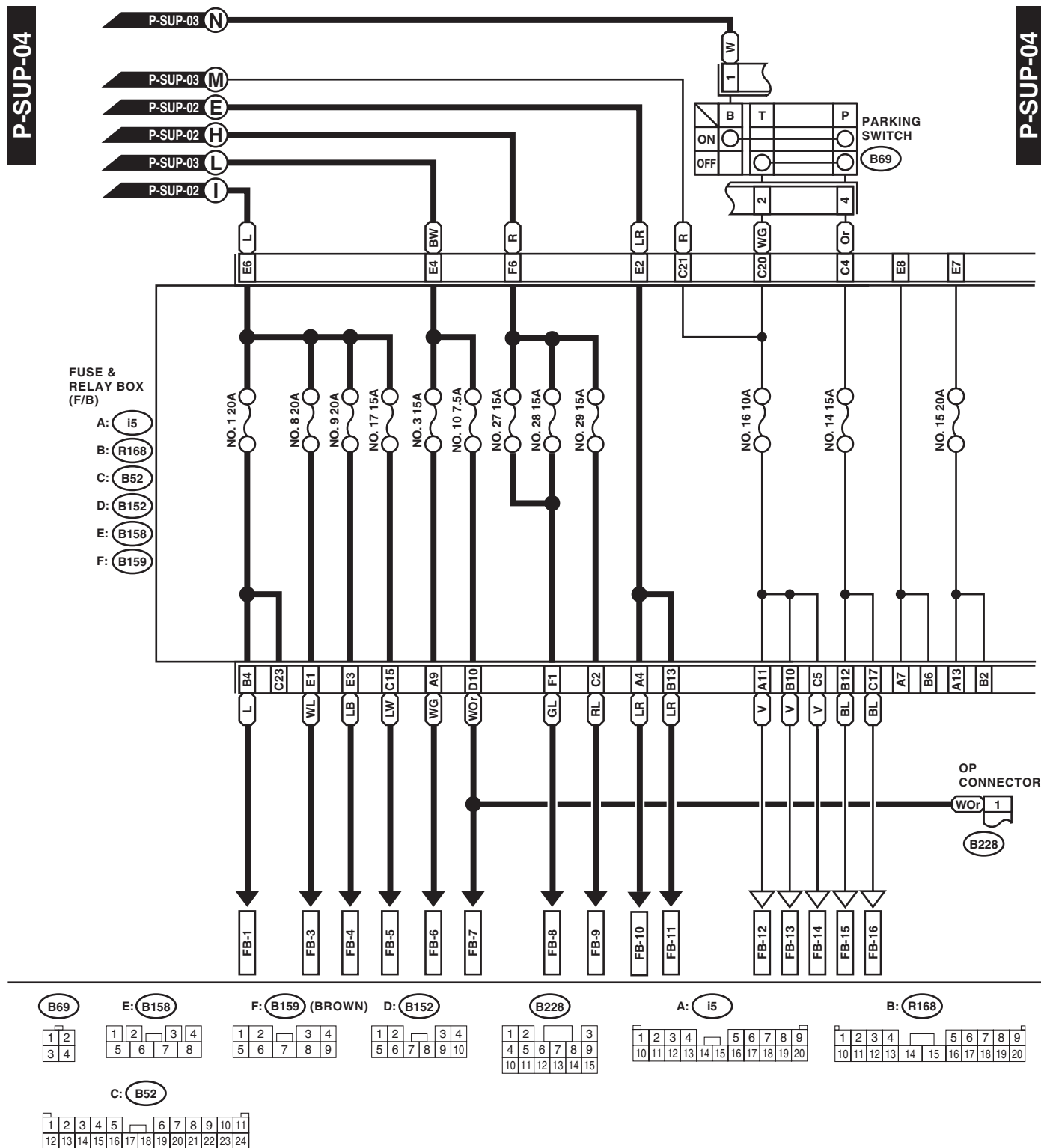
WIRING SYSTEM



WI-08027

Power Supply Circuit

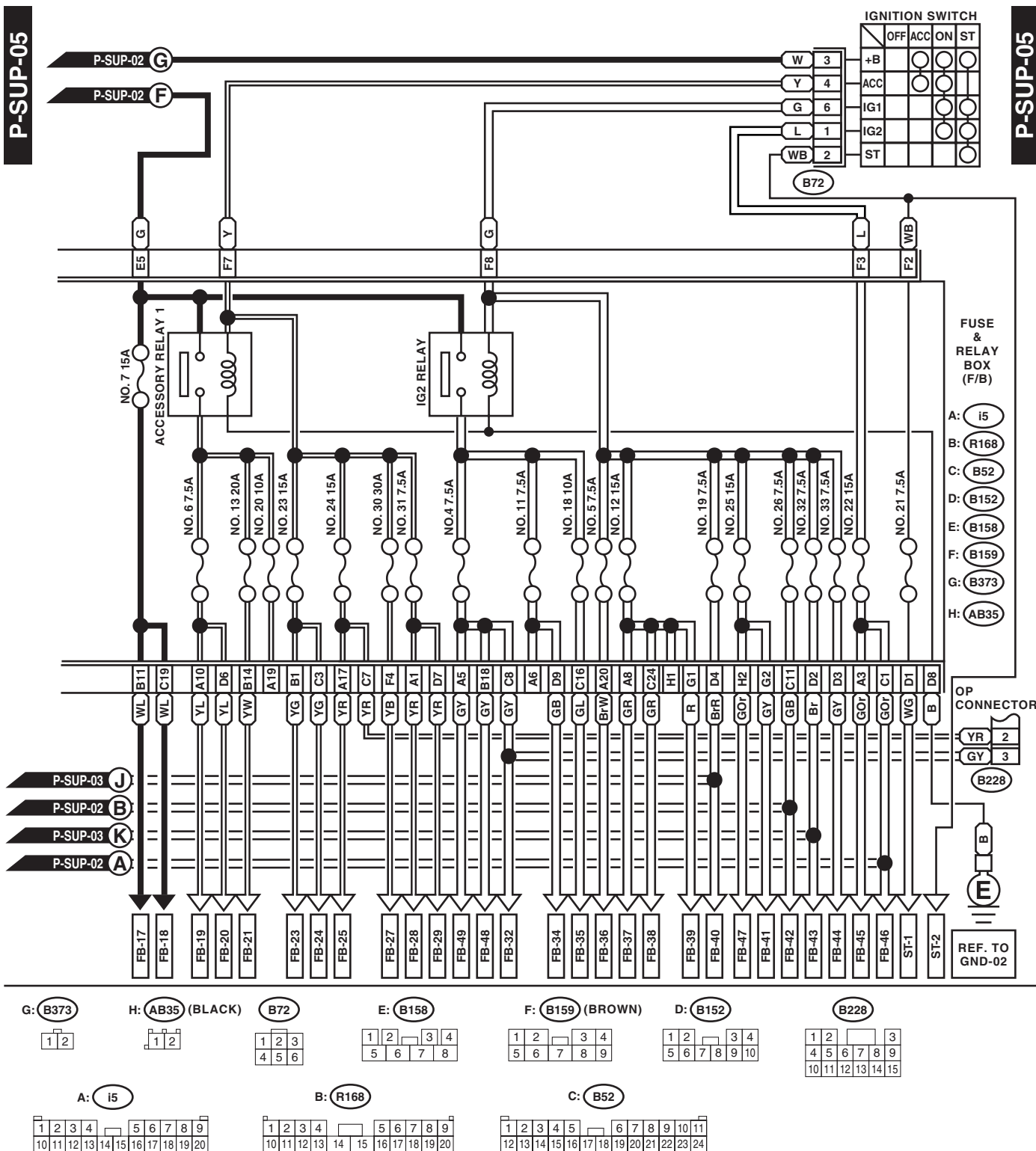
WIRING SYSTEM



WI-08028

Power Supply Circuit

WIRING SYSTEM



WI-08029

Power Supply Circuit

WIRING SYSTEM

No.	Load
MB-1	Fail safe relay
MB-2	VDC control module
MB-5	Mirror heater relay Rear defogger
MB-6	Body integrated unit
MB-8	PWM controller
MB-9	ECM
MB-14	OP connector Lighting switch
MB-15	Combination meter
MB-16	Headlight RH
MB-17	Headlight LH
MB-18	OP connector Daytime running light control module
MB-19	Horn
MB-20	Horn
MB-21	Body integrated unit
MB-22	Ignition 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 warning switch Turn signal & hazard unit Body integrated unit
MB-29	Auto A/C control module Spot map light Vanity mirror illumination light RH Handle light LH Handle light RH Foot light (Driver's seat) Foot light (Passenger's seat) Home link Body integrated unit
MB-30	Power window circuit breaker
MB-31	F/B fuse No. 16
MB-32	ALT-1 ECM Parking light switch
MB-33	Blower fan relay
MB-34	Accessory relay 2 Vacuum pump relay
ALT-1	ECM
FB-1	Trailer connector
FB-3	Stop light & brake switch Stop light switch
FB-4	Mirror heater relay Wiper deicer relay
FB-5	Seat heater relay
FB-6	Body integrated unit
FB-8	Rear cooler relay
FB-9	Front fog light relay

No.	Load
FB-10	MFD Impact sensor Audio Keyless entry control module Second-row seat foot light RH TV monitor Navigation module Front step light LH Front step light RH Rear seat entertainment Rear step light RH
FB-11	Second-row seat foot light LH Luggage room light Rear gate light Rear step light LH
FB-13	Navigation module
FB-17	TPM control module Warning box (Passenger's side) Combination meter
FB-18	Auto A/C control module Body integrated unit
FB-19	Remote control mirror switch
FB-20	Accessory relay 2 Seat heater relay Shade mirror
FB-21	Body integrated unit Rear accessory power supply socket
FB-23	Rear wiper motor
FB-24	Body integrated unit Rear washer motor
FB-25	MFD Audio TV monitor Navigation module Rear seat entertainment
FB-27	Front wiper switch Front wiper motor Wiper relay unit
FB-28	Key warning switch Key illumination Body integrated unit
FB-29	TCM
FB-32	Open/Close switch Sunroof control unit Stop light & brake switch Stop light switch Tilt switch Data link connector Wiper deicer relay
FB-34	Turn signal & hazard unit
FB-35	Stop light relay Daytime running light control module Daytime running light relay Back-up light relay Rearview mirror
FB-36	MFD Warning box (Passenger's side) Combination meter

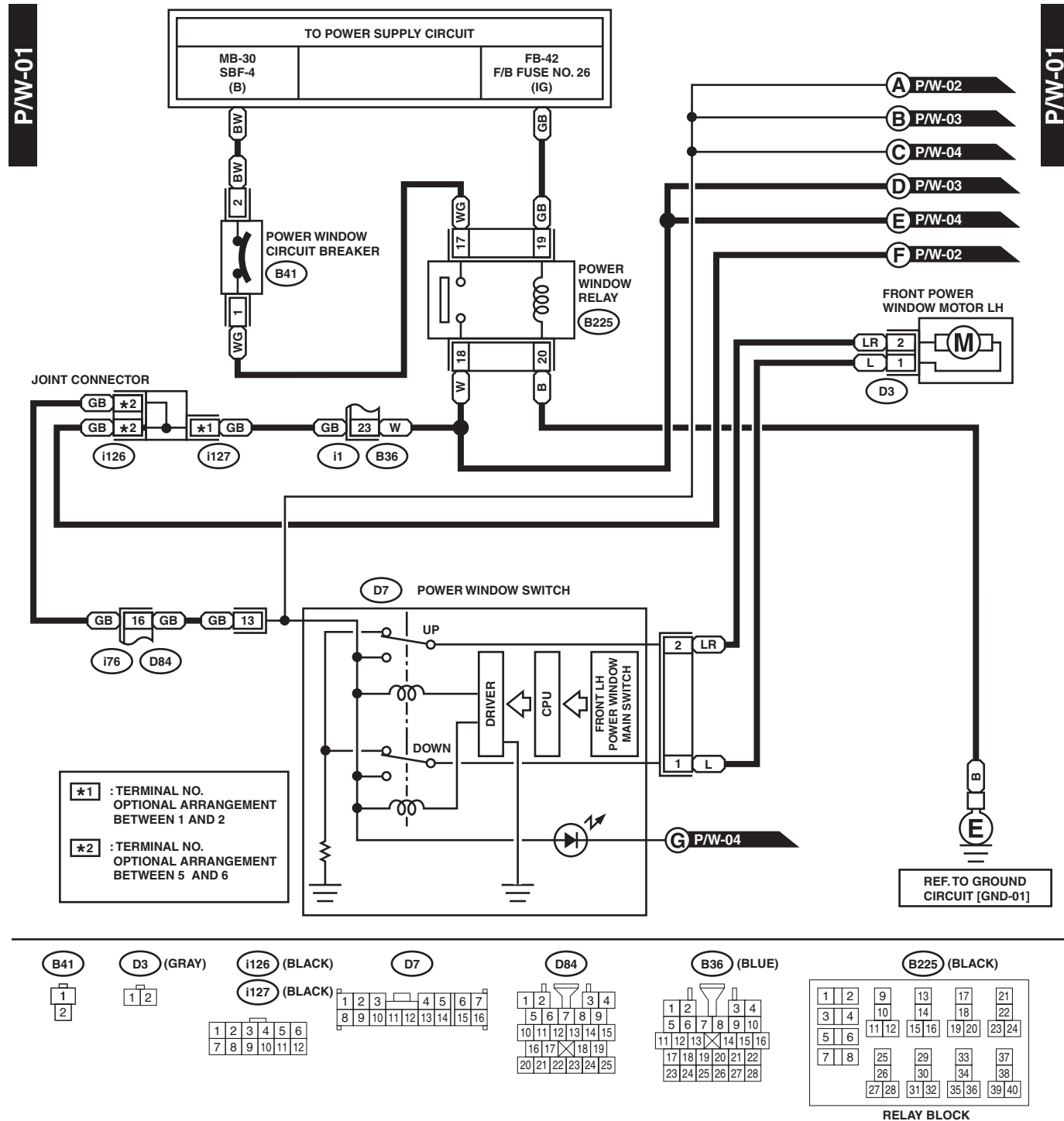
No.	Load
FB-37	Body integrated unit
FB-38	ECM TCM Fuel pump relay
FB-39	Airbag control module
FB-41	Airbag control module
FB-42	Power window relay
FB-44	VDC control module Steering angle sensor Yaw rate sensor
FB-45	A/C control panel Rear cooler relay
FB-46	A/C relay FRESH/RECIRC actuator Auto A/C control module Pressure switch Blower fan relay
FB-47	Occupant detection control module
FB-48	TPM control module
FB-49	Impact sensor TV monitor
ACC-1	Front washer motor
ST-1	ECM Starter relay

Power Window System

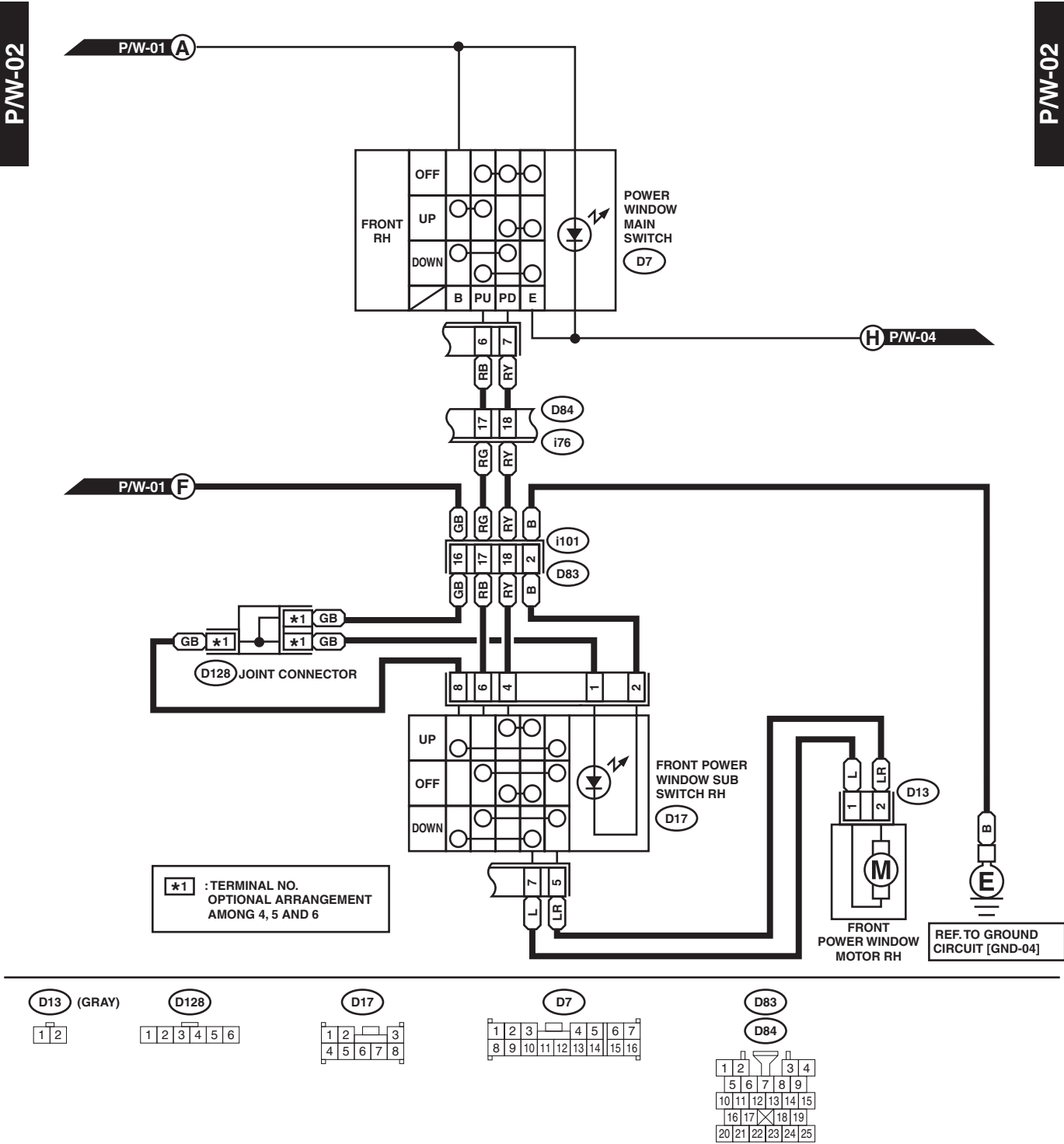
WIRING SYSTEM

41.Power Window System

A: WIRING DIAGRAM

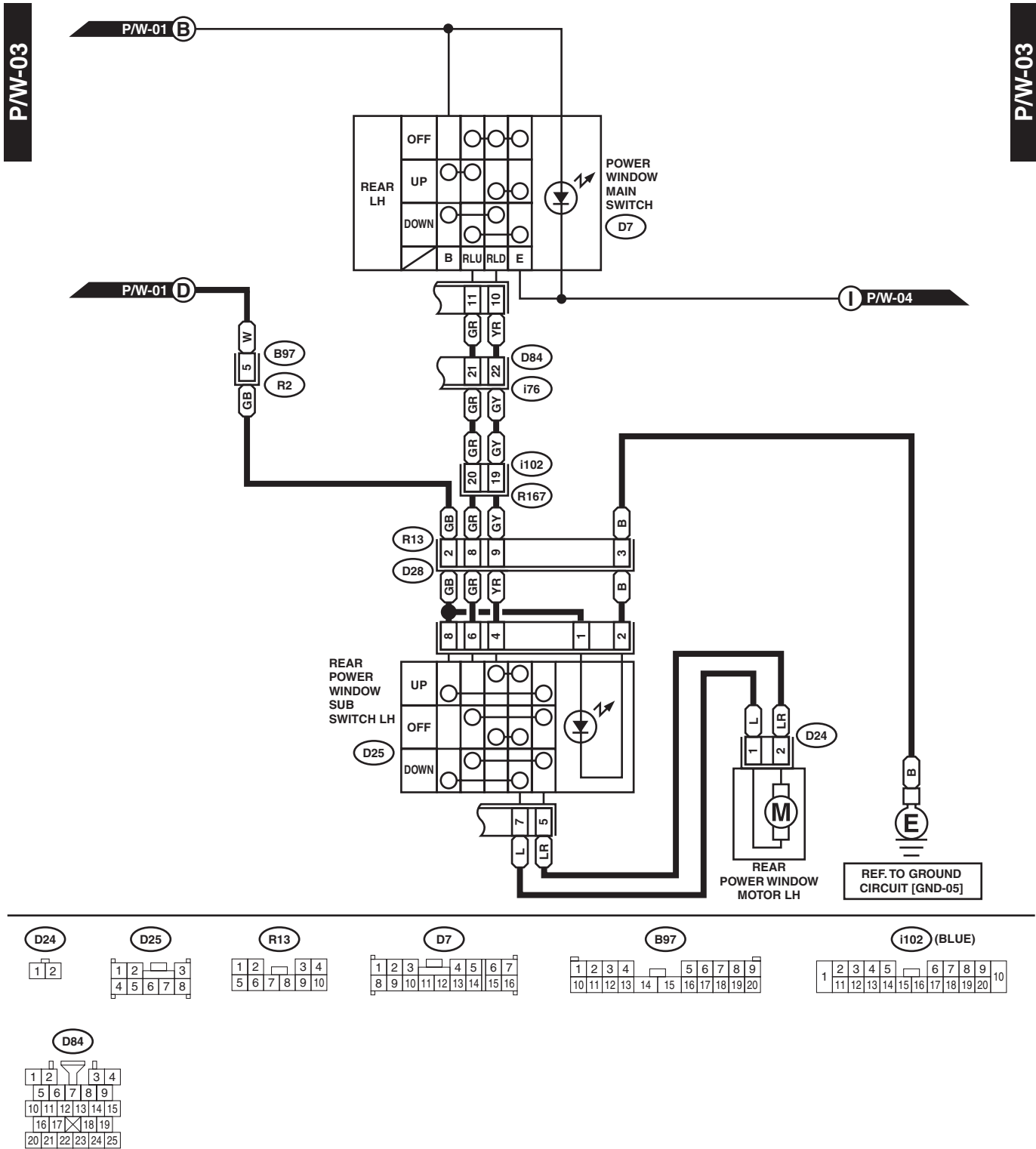


WI-08126



Power Window System

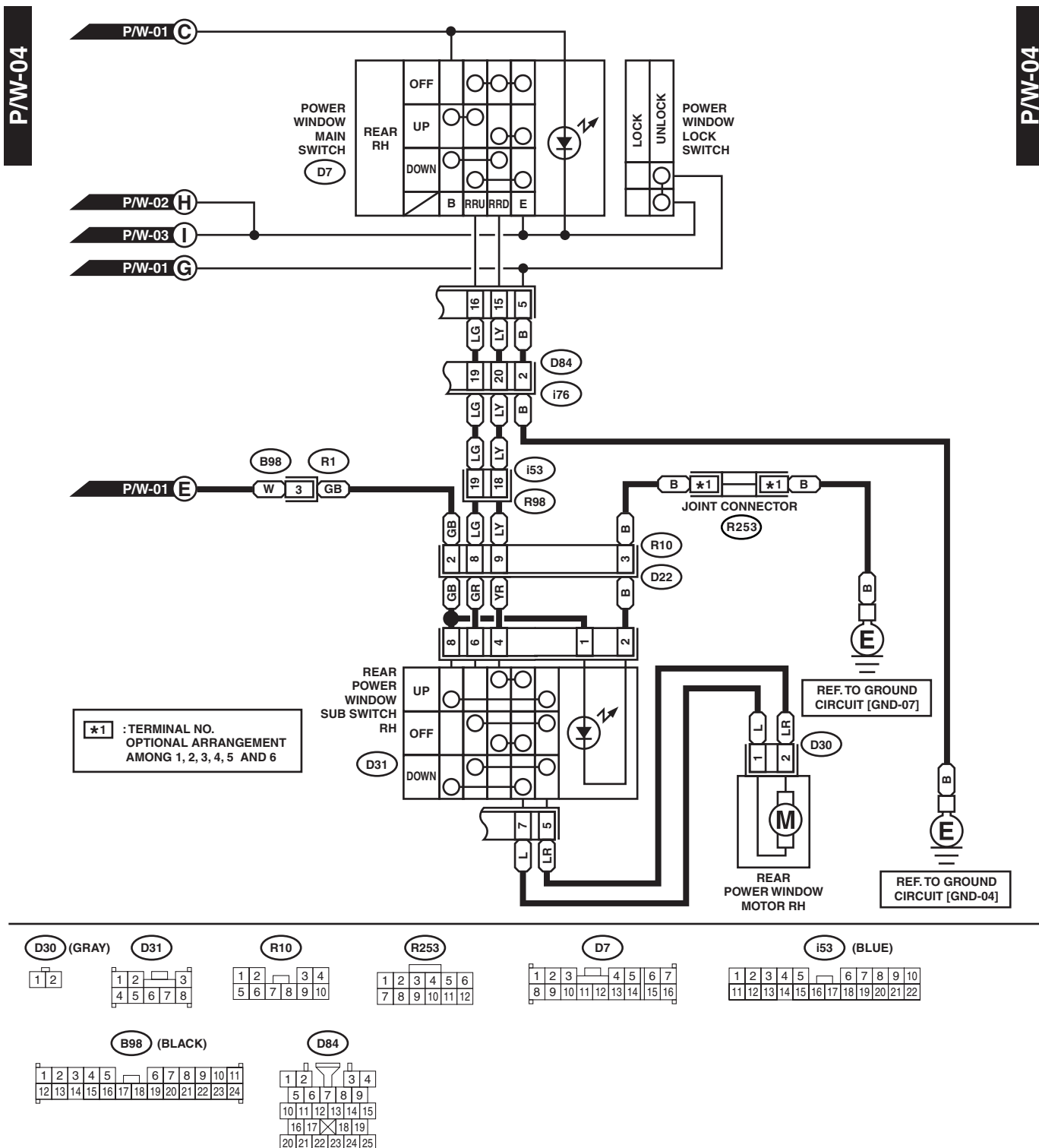
WIRING SYSTEM



WI-08128

Power Window System

WIRING SYSTEM



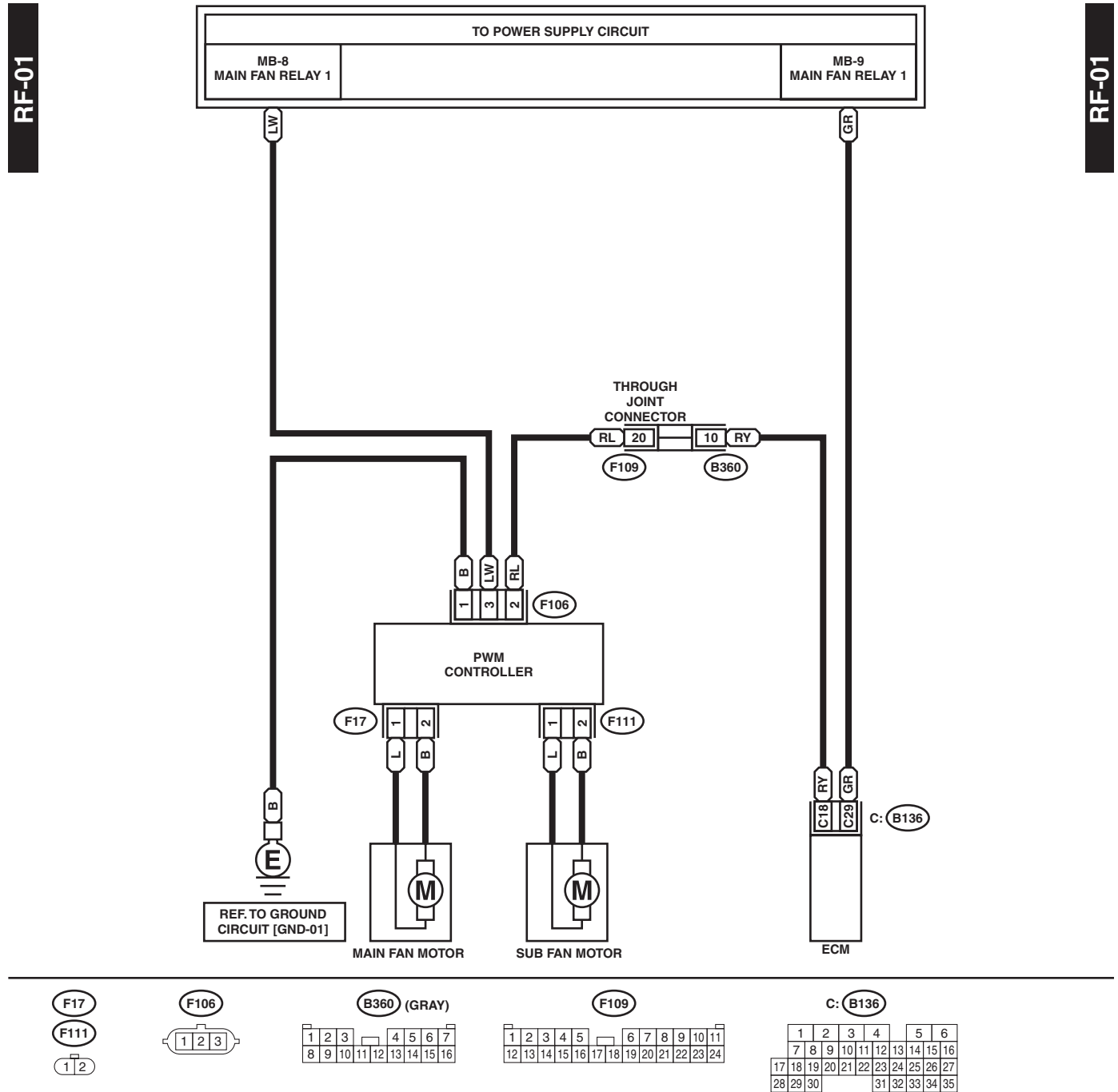
WI-08129

Radiator Fan System

WIRING SYSTEM

17.Radiator Fan System

A: WIRING DIAGRAM



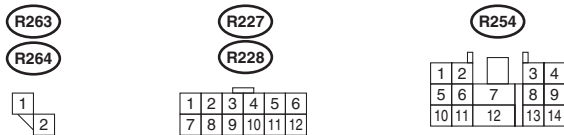
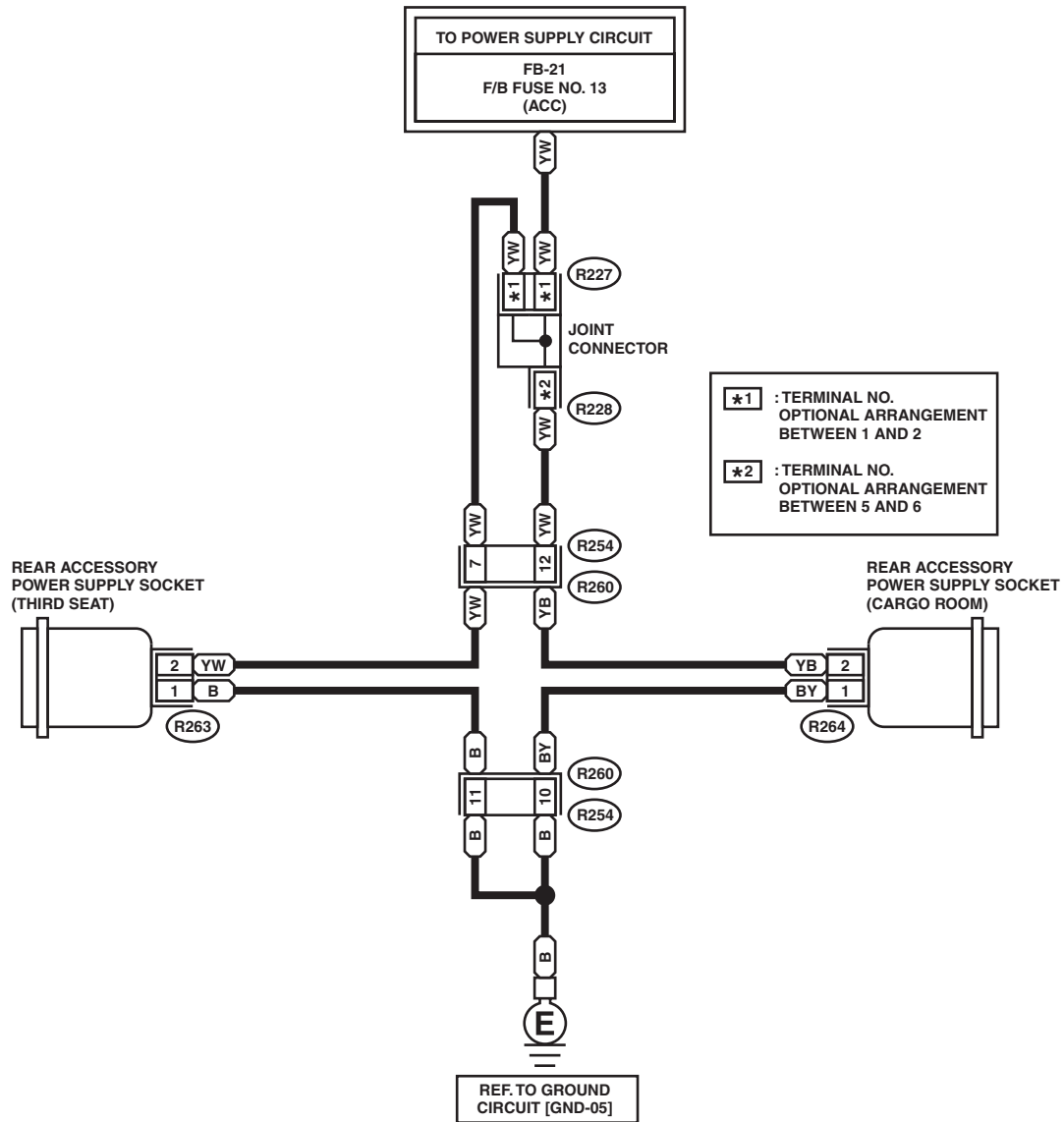
WI-08086

WIRING SYSTEM

A: WIRING DIAGRAM

RAPS-01

RAPS-01

**WI-122**

Rear Defogger System

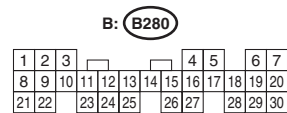
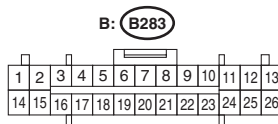
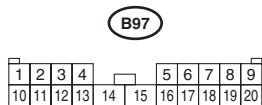
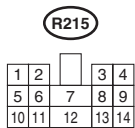
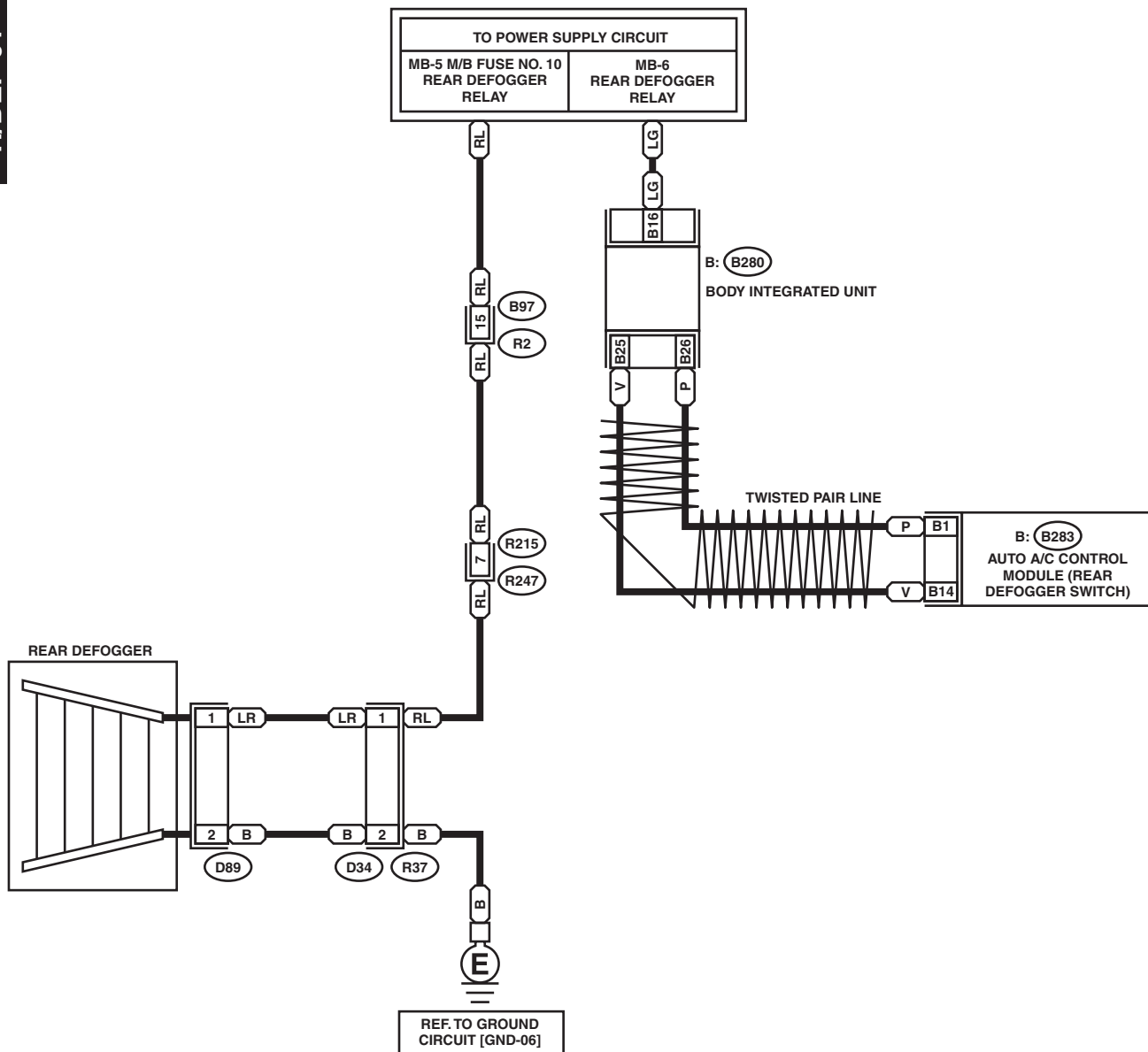
WIRING SYSTEM

42.Rear Defogger System

A: WIRING DIAGRAM

R/DEF-01

R/DEF-01



WI-08130

Rear Differential Oil Temperature Warning Light System

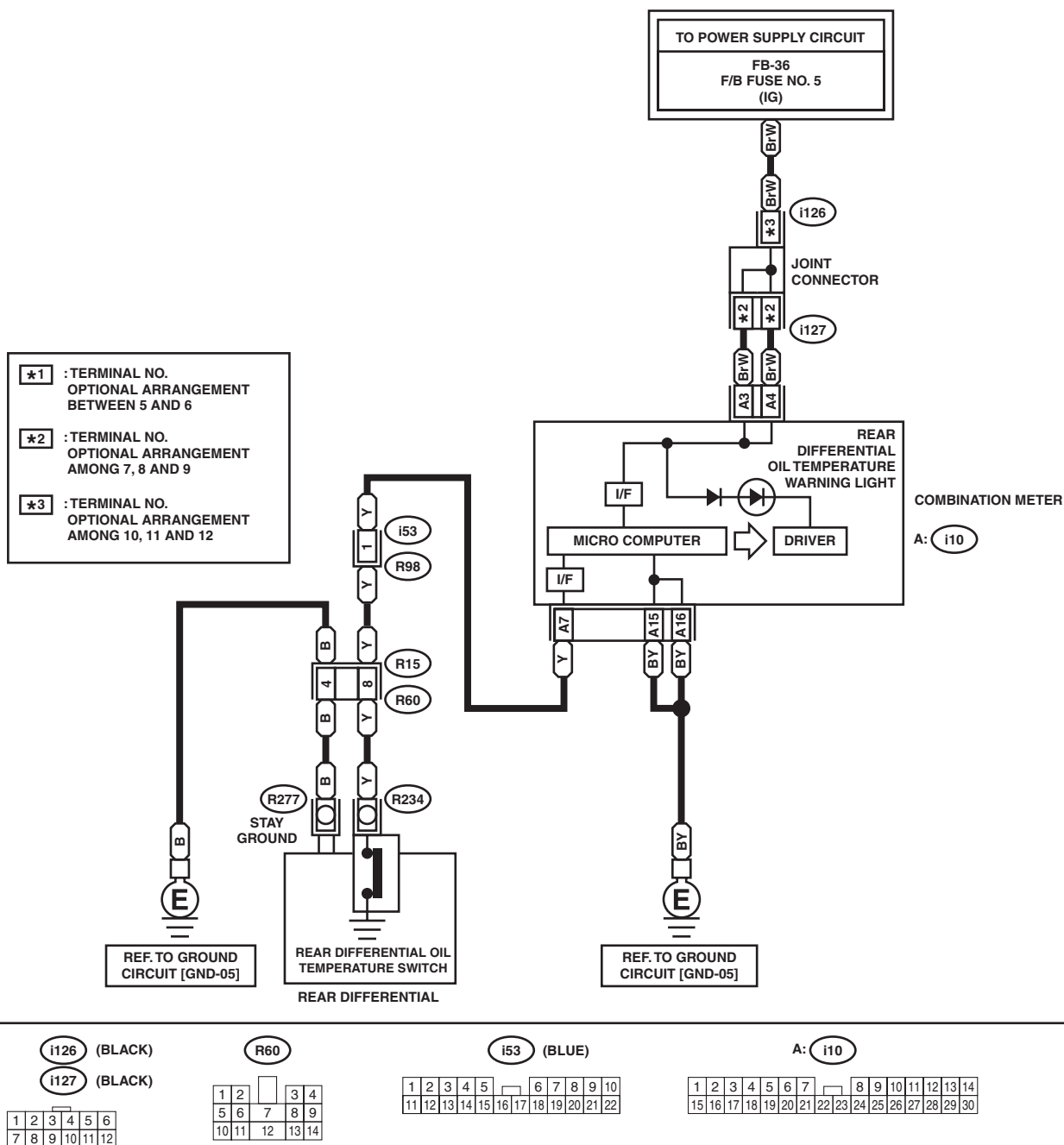
WIRING SYSTEM

53.Rear Differential Oil Temperature Warning Light System

A: WIRING DIAGRAM

D/T-01

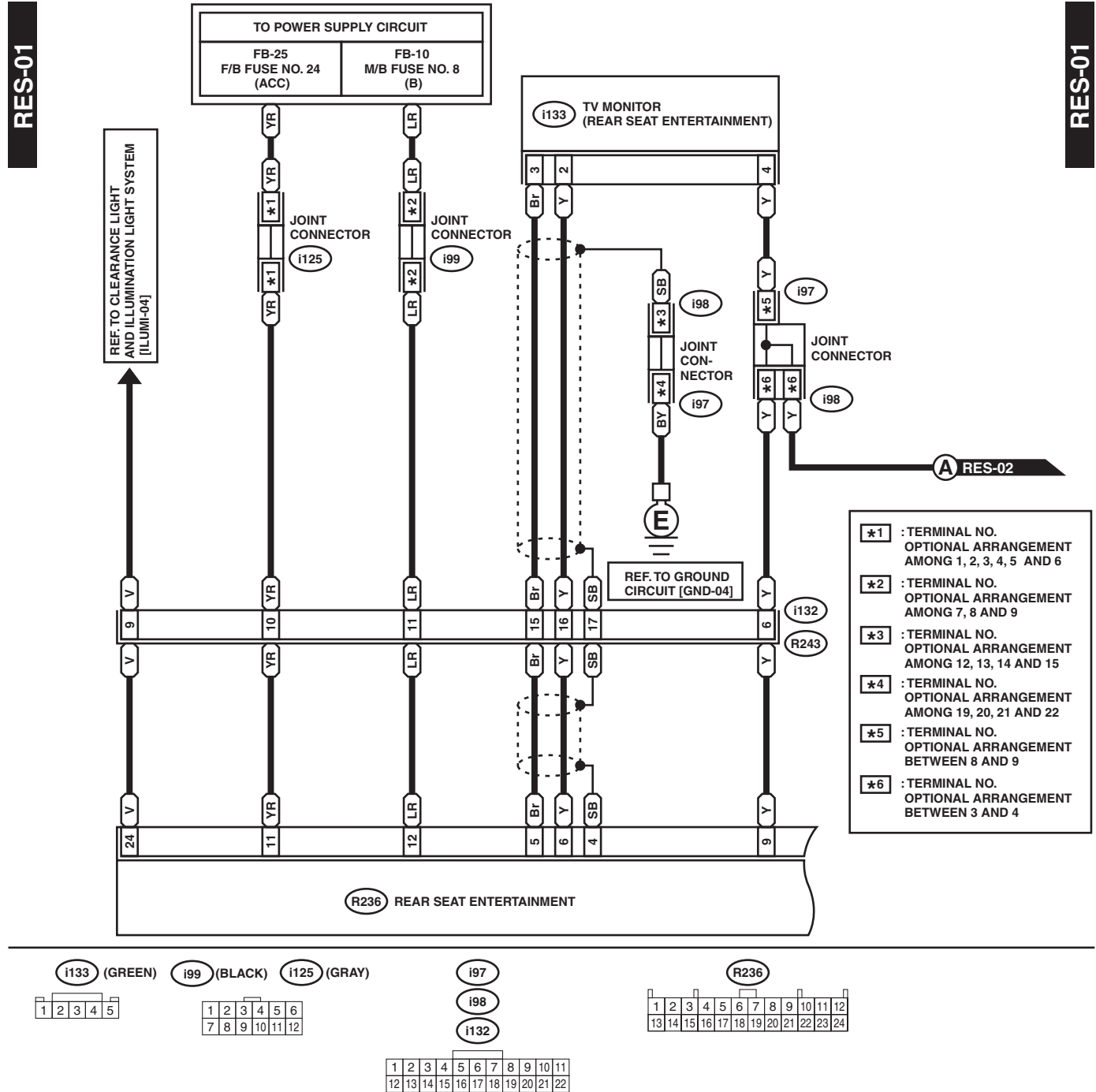
D/T-01



WI-08322

37.Rear Entertainment System

A: WIRING DIAGRAM



WIRING SYSTEM

RES-02

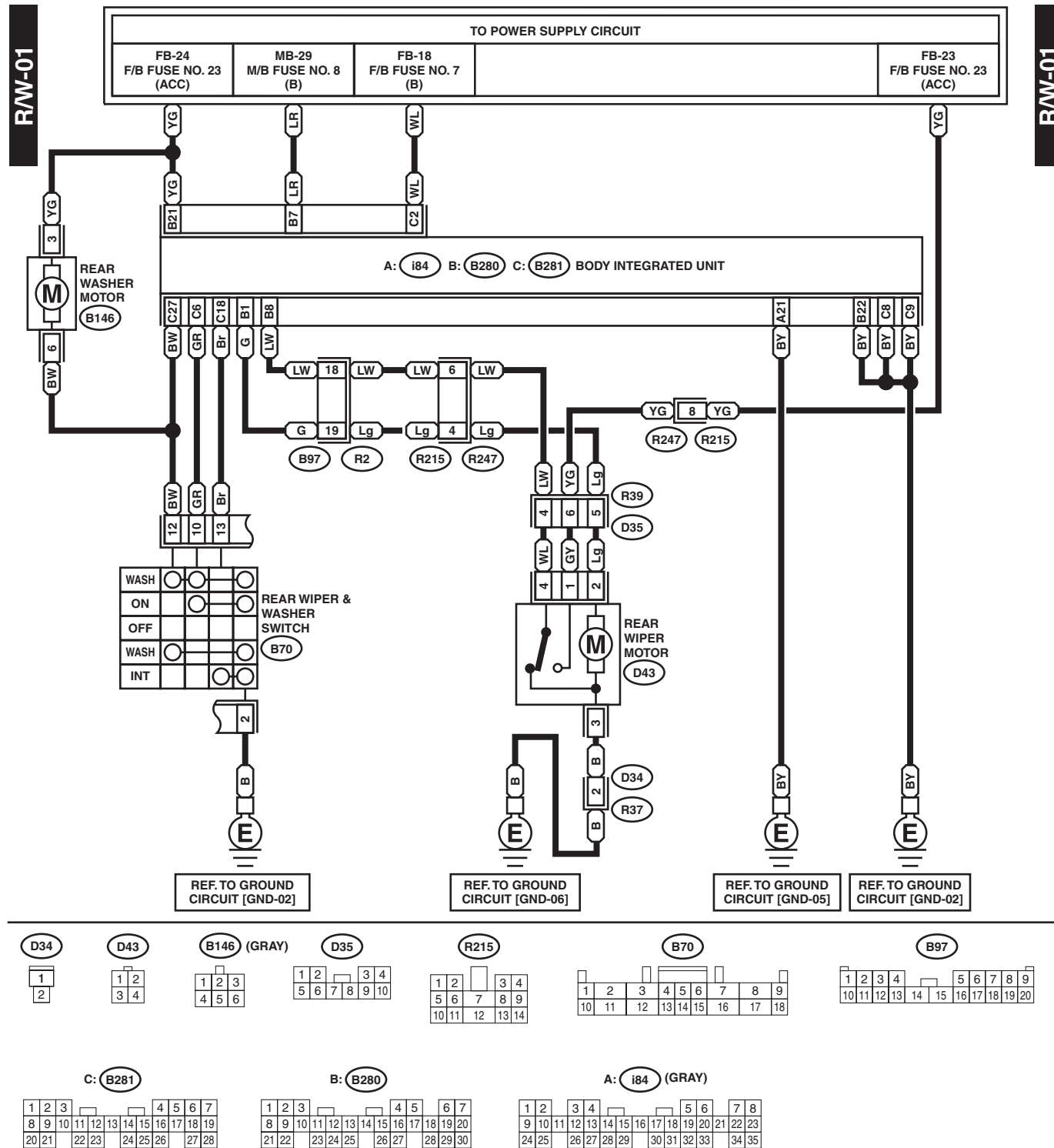


Rear Wiper and Washer System

WIRING SYSTEM

31.Rear Wiper and Washer System

A: WIRING DIAGRAM



WI-08111

Rear Wiring Harness and Rear Gate Cord

WIRING SYSTEM

62.Rear Wiring Harness and Rear Gate Cord

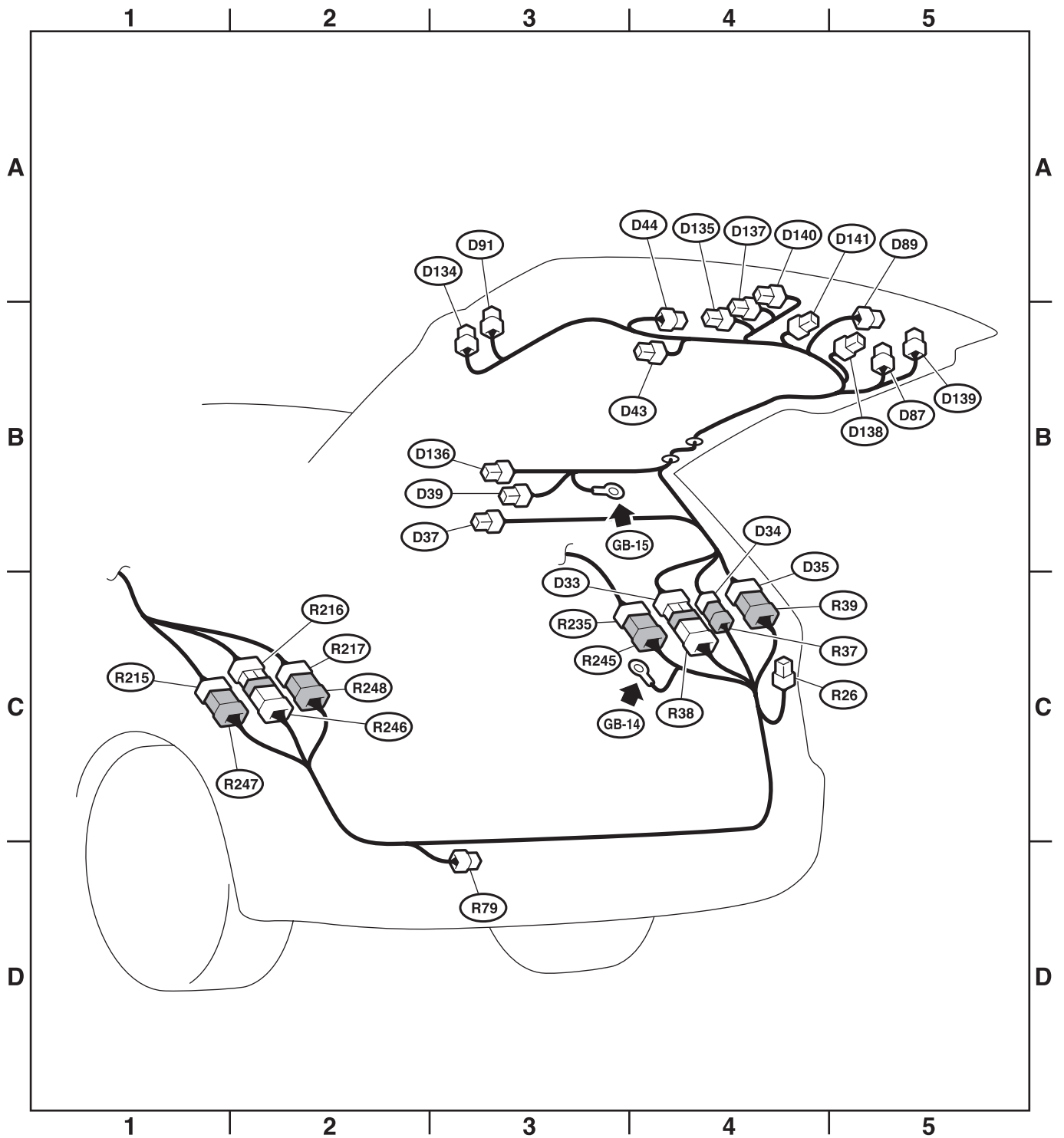
A: LOCATION

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
D33	12	Gray	C-4	R38	Rear wiring harness
D34	2	★	C-4	R37	
D35	10	★	C-4	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	★	B-4		License plate light LH
D87	2	★	B-5		Back-up light RH
D89	2	★	B-5		Rear defogger
D91	2	★	B-3		Back-up light LH
D134	2	Gray	B-3		Tail light LH
D135	2	★	B-4		Rear gate release switch
D136	1	★	B-3		Antenna amplifier
D137	2	★	B-4		Licence plate light RH
D138	3	★	B-5		Gate light
D139	2	Gray	B-5		Tail light RH
D140	4	★	A-4		Rear gate release actuator & door switch
D141	4	★	B-4		Joint connector
★ : White or natural color					

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
R26	4	★	C-4		Rear combination light RH
R37	2	★	C-4	D34	Rear gate cord
R38	12	Gray	C-4	D33	
R39	10	★	C-4	D35	
R79	6	★	D-3		Trailer connector
R215	14	★	B-5	R247	Tail harness
R216	12	Black	B-5	R246	Tail harness (Joint connector)
R217	10	★	B-5	R248	Tail harness (Rear entertainment)
R235	10	★	A-5	R245	Tail harness
R245	10	★	C-4	R235	Roof code (Rear entertainment)
R246	12	Black	C-2	R216	Rear wiring harness (Joint connector)
R247	14	★	C-1	R215	Rear wiring harness
R248	10	★	C-2	R217	
★ : White or natural color					

Rear Wiring Harness and Rear Gate Cord

WIRING SYSTEM



WI-08158

60.Rear Wiring Harness

A: LOCATION

1. RIGHT HAND

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
R1	24	Black	C-1	B98	Bulkhead wiring harness
R10	10	★	B-3	D22	Rear door cord (Passenger's side)
R12	3	★	B-2		Front door switch RH
R15	14	★	C-3	R60	Fuel cord 1
R16	3	★	B-3		Rear door switch RH
R44	6	★	C-3		Seat heater & second-row seat foot light RH
R47	3	Black	C-5		Fuel tank pressure sensor
R50	12	★	C-1	B90	Bulkhead wiring harness
R51	2	Black	B-2		Vanity mirror illumination light RH
R52	3	★	B-3		Room light
R55	10	Gray	B-4		Sunroof control unit & motor
R56	6	Gray	B-3		Spot map light
R57	3	★	B-3		Rearview mirror
R58	6	Gray	C-4		Fuel gauge main unit
R59	2	★	C-4		Fuel gauge sub unit
R60	14	★	C-3	R15	Rear wiring harness
R98	22	Blue	C-1	i53	Instrument panel wiring harness
R109	2	Black	C-3		Power seat RH
R117	2	★	A-4		Super woofer
R122	10	Black	B-4		Fuel pump relay control unit
R128	5	★	B-3		Open/Close switch
R143	2	Gray	C-5		Drain valve
R187	5	Black	B-3		Tilt switch
R233	4	★	C-3		Joint connector
R234	1	Black	C-5		Rear differential gear oil temperature switch
R235	10	★	A-5	R245	Tail harness
R236	24	★	B-4		Rear seat entertainment
R237	4	★	B-3		Joint connector
R238	4	★	B-3		
R239	4	★	B-4		
R240	4	★	B-4		
R241	4	★	B-2		
R243	22	★	C-1	i132	Instrument panel wiring harness
R249	2	Gray	C-3		Rear ABS wheel speed sensor RH
R250	3	★	B-4		Room light
R251	4	★	B-2		Joint connector
R252	12	Gray	C-2		
R253	12	Gray	C-2		
R255	4	★	C-2		
R256	4	★	C-2		
R257	2	★	B-3		Rear tweeter RH

Rear Wiring Harness

WIRING SYSTEM

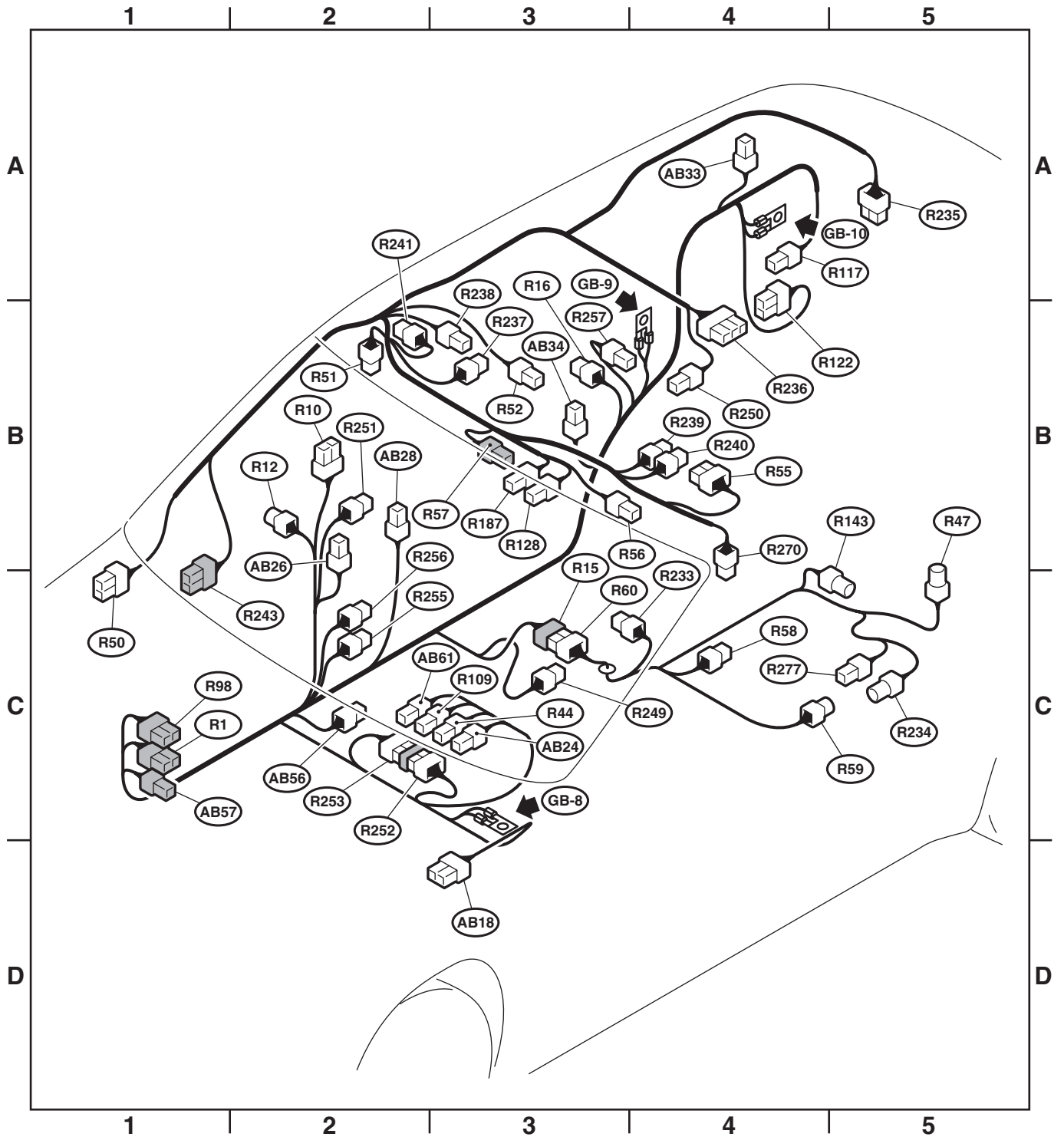
Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
R270	2	Black	B-4		Home link
R277	1	Black	C-5		Bracket earth (Rear differential gear oil temperature switch)

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
AB18	20	Yellow	D-3		Airbag control module
AB24	2	Yellow	C-3		Inflator (Side) RH
AB26	2	Black	B-2		Pretensioner RH
AB28	4	Yellow	B-2		Side airbag sensor RH
AB33	2	Yellow	A-4		Inflator (Curtain) RH
AB34	4	Yellow	B-3		Curtain airbag sensor RH
AB56	3	Brown	C-2		Belt tensioner sensor
AB57	2	Yellow	C-1	AB55	Bulkhead harness
AB61	6	Gray	C-2	AB59	Occupant detection control module

★ : White or natural color

Rear Wiring Harness

WIRING SYSTEM



WI-08156

Rear Wiring Harness

WIRING SYSTEM

2. LEFT HAND

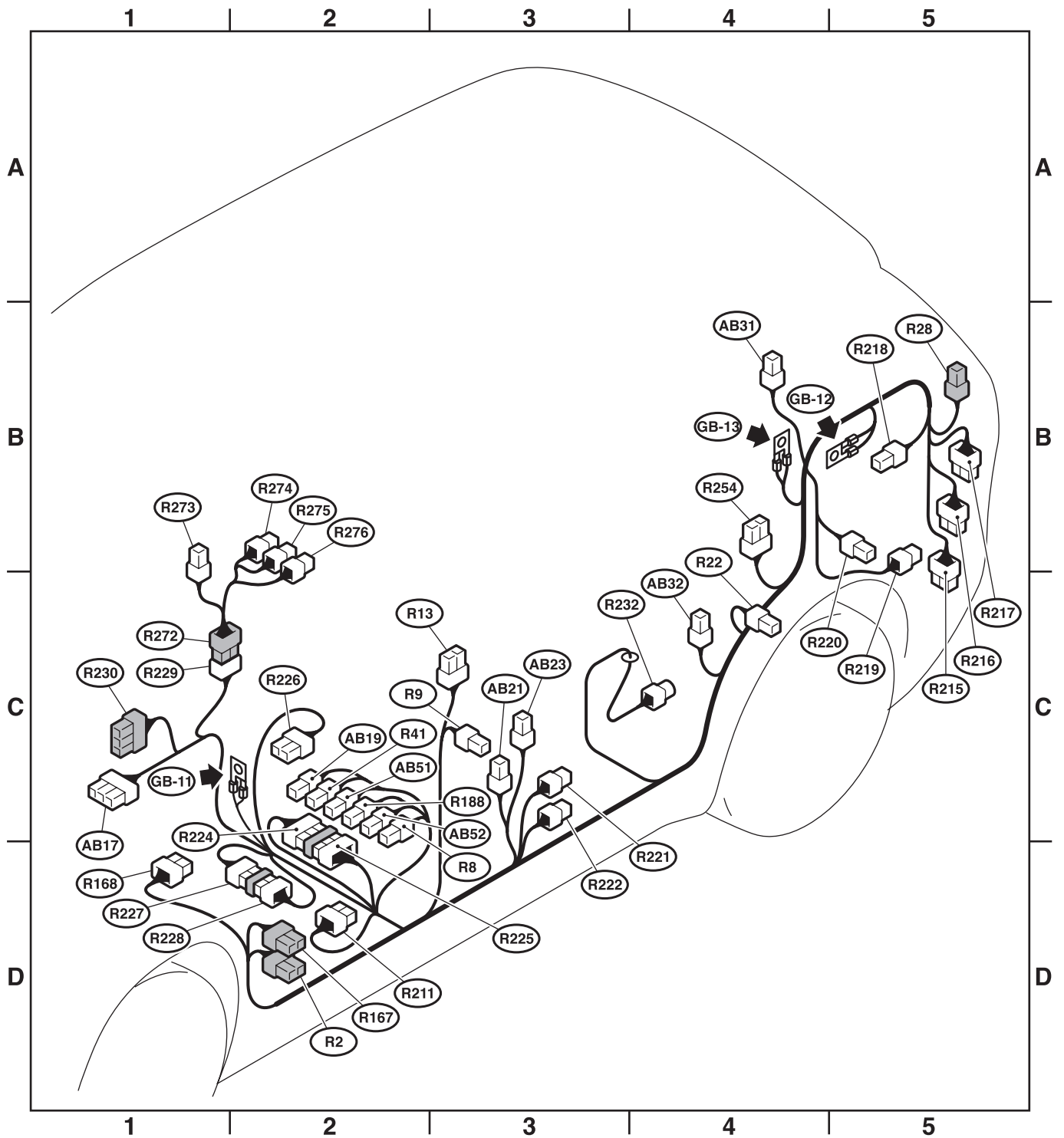
Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
R2	20	Black	D-2	B98	Bulkhead wiring harness
R8	4	★	C-2		Front seat belt switch LH
R9	3	★	C-3		Front door cord switch LH
R13	10	★	C-3	D28	Rear door cord (Driver's side)
R22	3	★	C-4		Rear door switch LH
R28	4	★	B-5		Rear combination light LH
R41	6	★	C-2		Seat heater & second-row seat foot light LH
R167	20	Blue	D-2	i102	Instrument panel wiring harness (Driver's seat)
R168	20	★	D-1		Fuse & relay box (F/B)
R188	2	Black	C-2		Power seat LH
R211	12	★	D-2		TPM control module
R215	14	★	B-5	R247	Tail harness
R216	12	Black	B-5	R246	Tail harness (Joint connector)
R217	10	★	B-5	R248	Tail harness (Rear entertainment)
R218	4	★	B-5		Rear cooler relay
R219	4	★	B-5		Blower fan resistor
R220	2	★	B-5		Blower motor
R221	4	★	C-3		Joint connector
R222	4	★	C-3		
R224	12	★	D-2		
R225	12	★	D-2		
R226	10	Black	C-2		Navigation module
R227	12	★	D-2		Joint connector
R228	12	★	D-2		
R229	11	★	C-1	R272	Console pocket
R230	22	★	C-1	i130	Instrument panel wiring harness (Center)
R232	2	Gray	C-4		Rear ABS wheel speed sensor LH
R254	14	★	B-4		Adapter code
R272	11	★	C-1	R229	Rear harness
R273	2	★	B-1		Cup holder illumination
R274	2	★	B-2		Front accessory power supply socket
R275	2	★	B-2		
R276	10	★	B-2		Blower fan switch

★ : White or natural color

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
AB17	20	Yellow	C-1		Airbag control module
AB19	2	Yellow	C-2		Inflator (Side) LH
AB21	2	Black	C-3		Pretensioner LH
AB23	4	Yellow	C-3		Side airbag sensor LH
AB31	2	Yellow	B-4		Inflator (Curtain) LH
AB32	4	Yellow	C-4		Curtain airbag sensor LH
AB51	2	Yellow	C-2		Buckle switch
AB52	2	Yellow	C-2		Seat position sensor LH

Rear Wiring Harness

WIRING SYSTEM

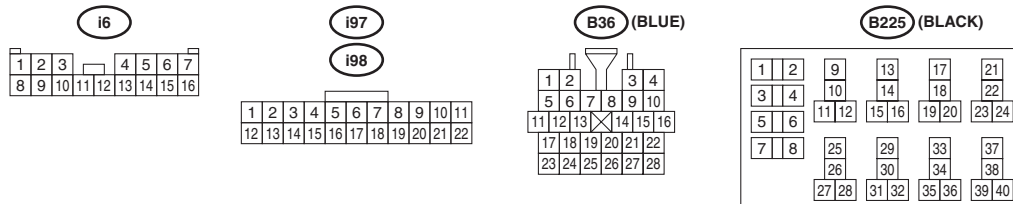


WI-08232

A: WIRING DIAGRAM

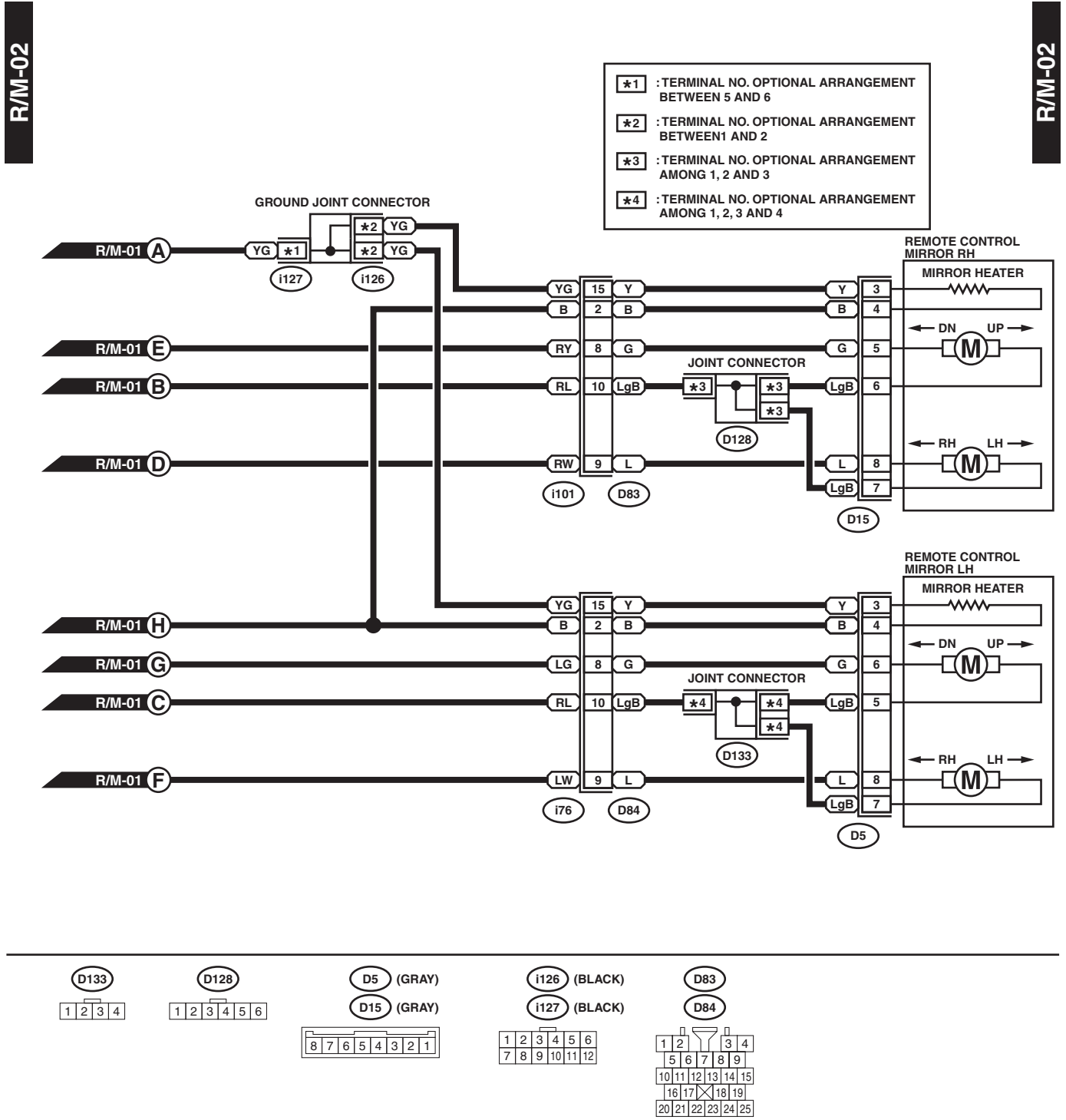
R/M-01

R/M-01



Remote Control Mirror System

WIRING SYSTEM



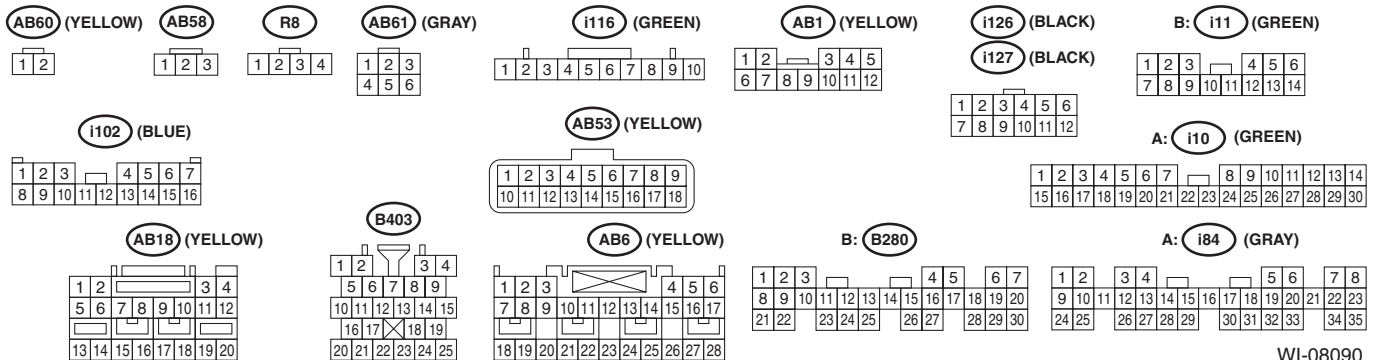
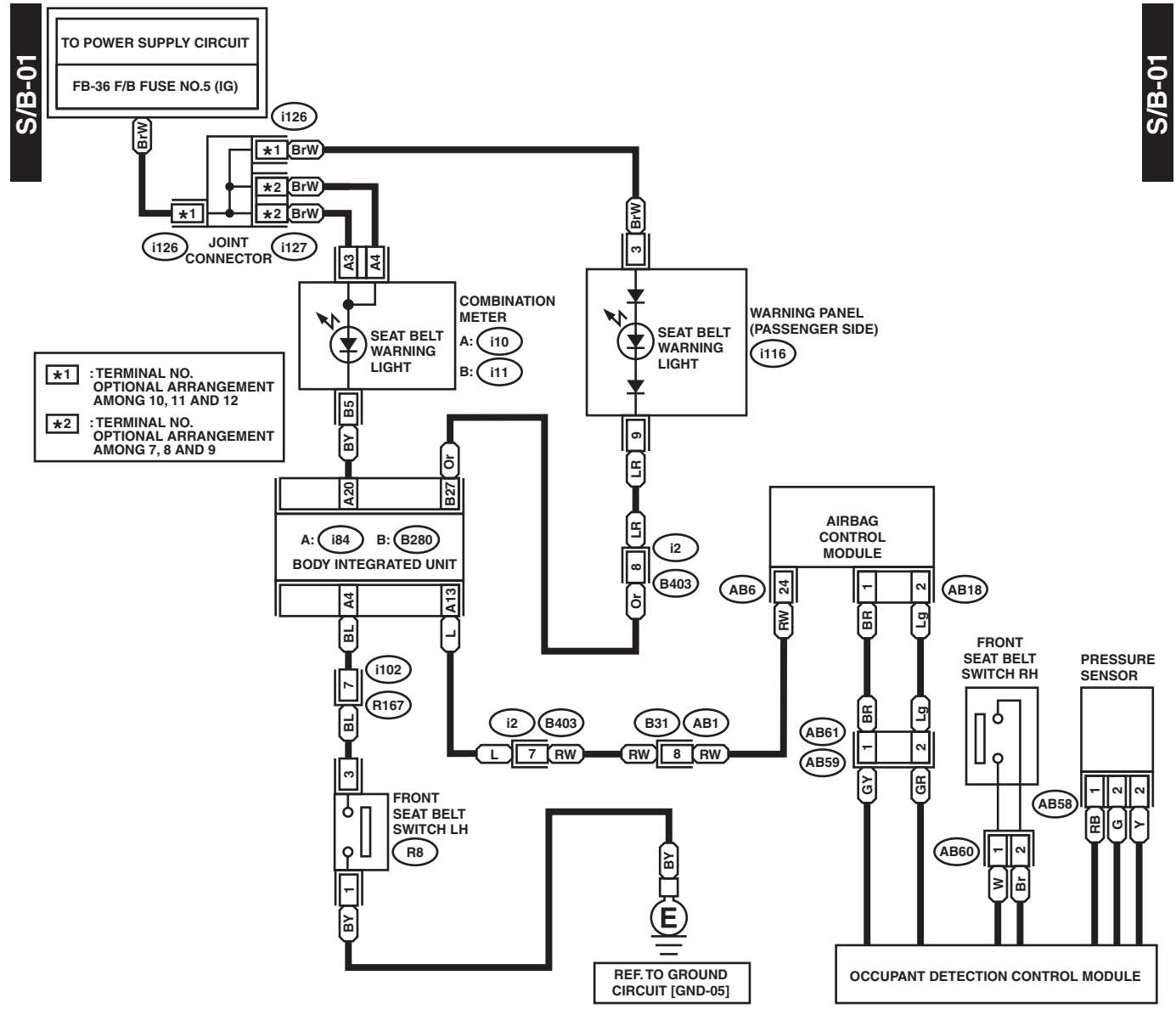
WI-08132

Seat Belt Warning System

WIRING SYSTEM

21.Seat Belt Warning System

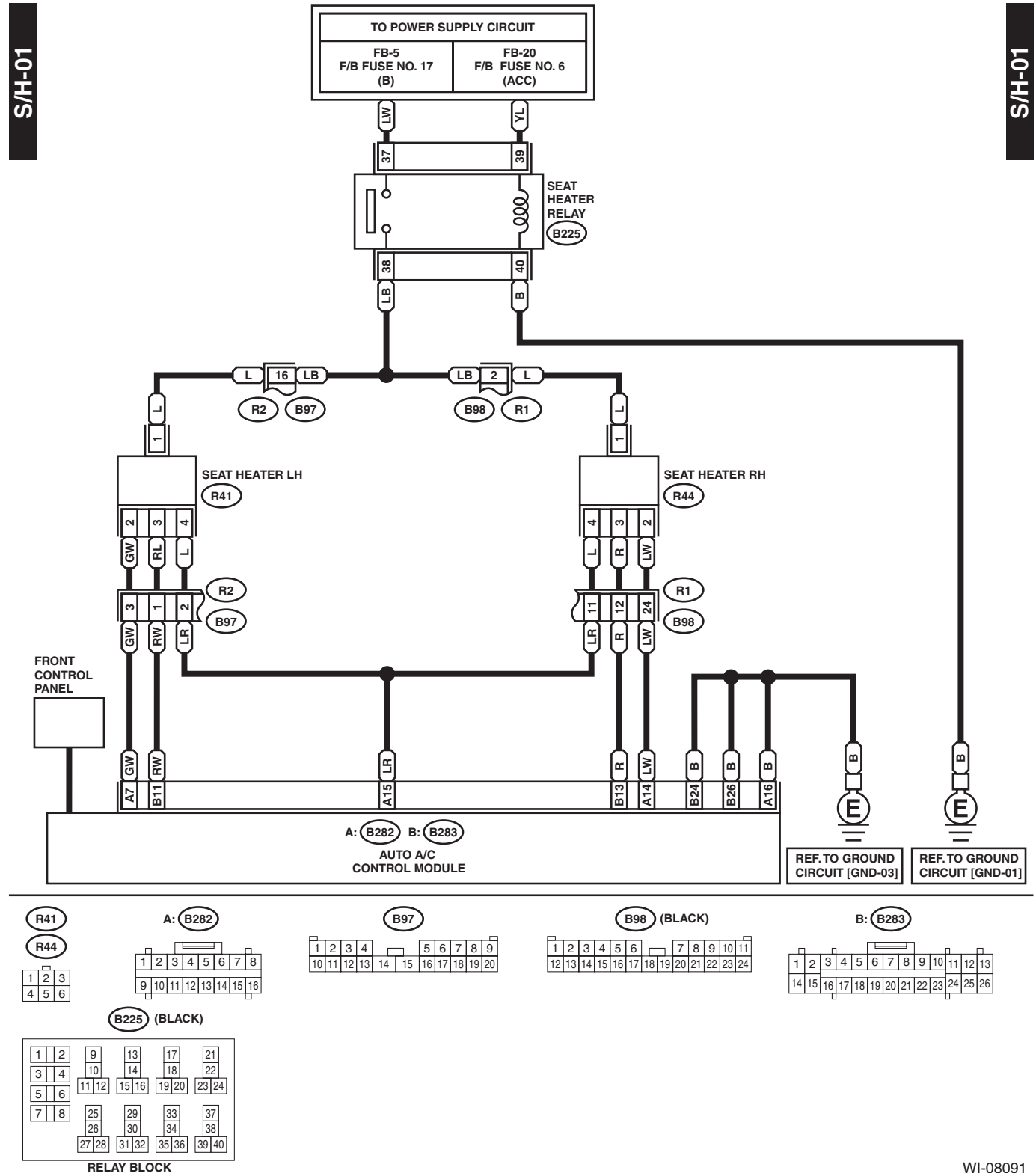
A: WIRING DIAGRAM



WI-08090

22.Seat Heater System

A: WIRING DIAGRAM



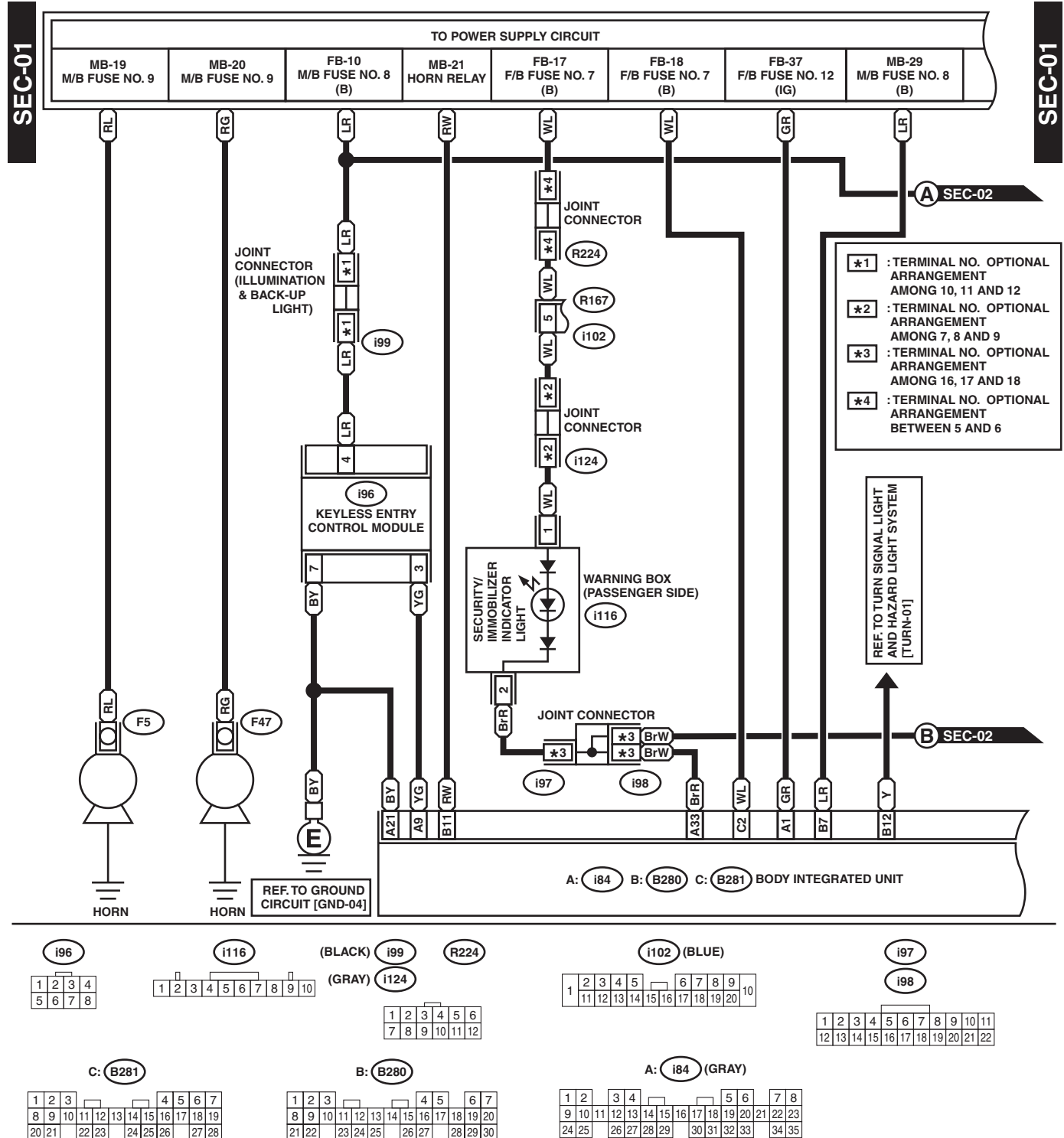
WI-08091

Security System

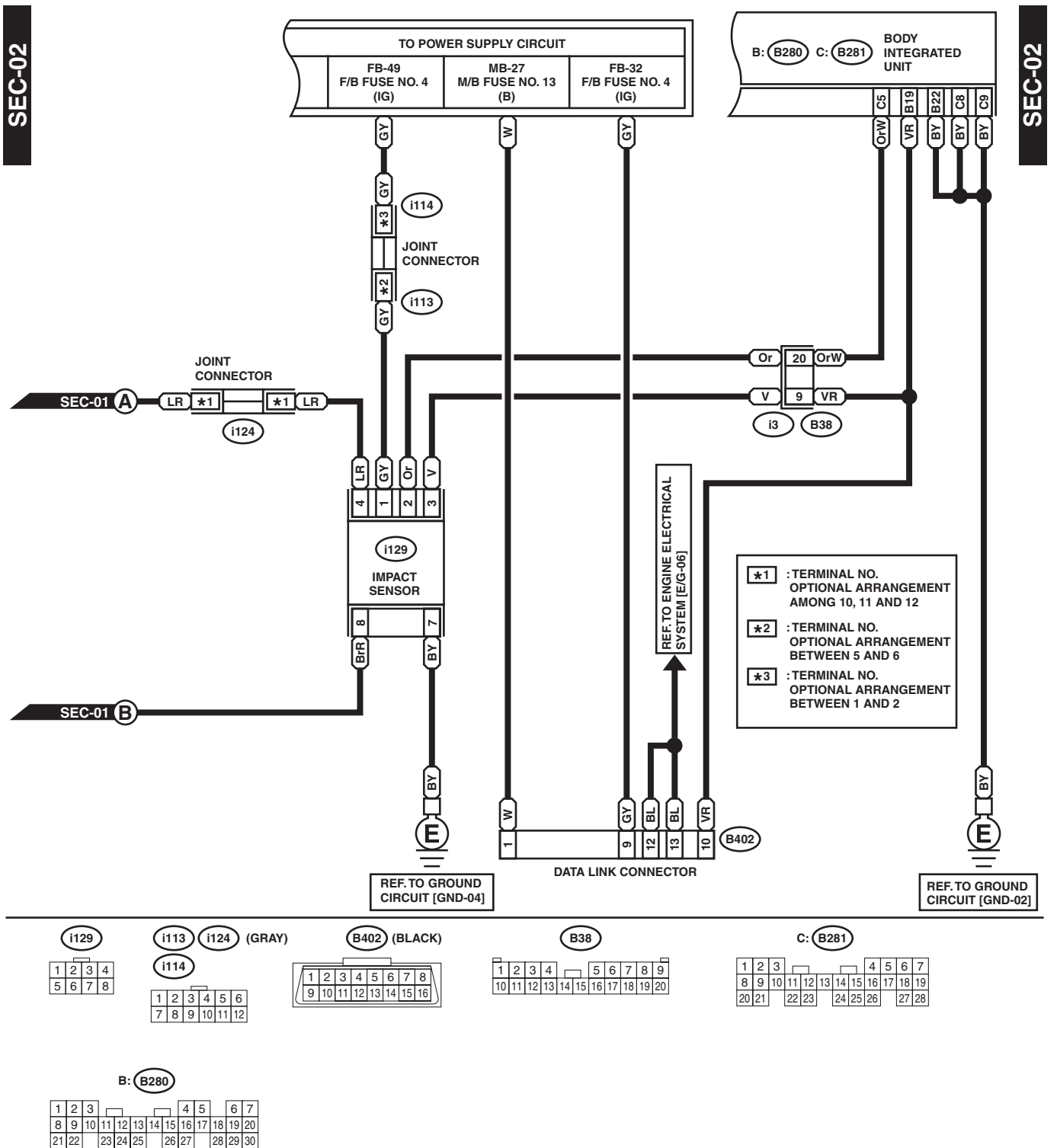
WIRING SYSTEM

51.Security System

A: WIRING DIAGRAM



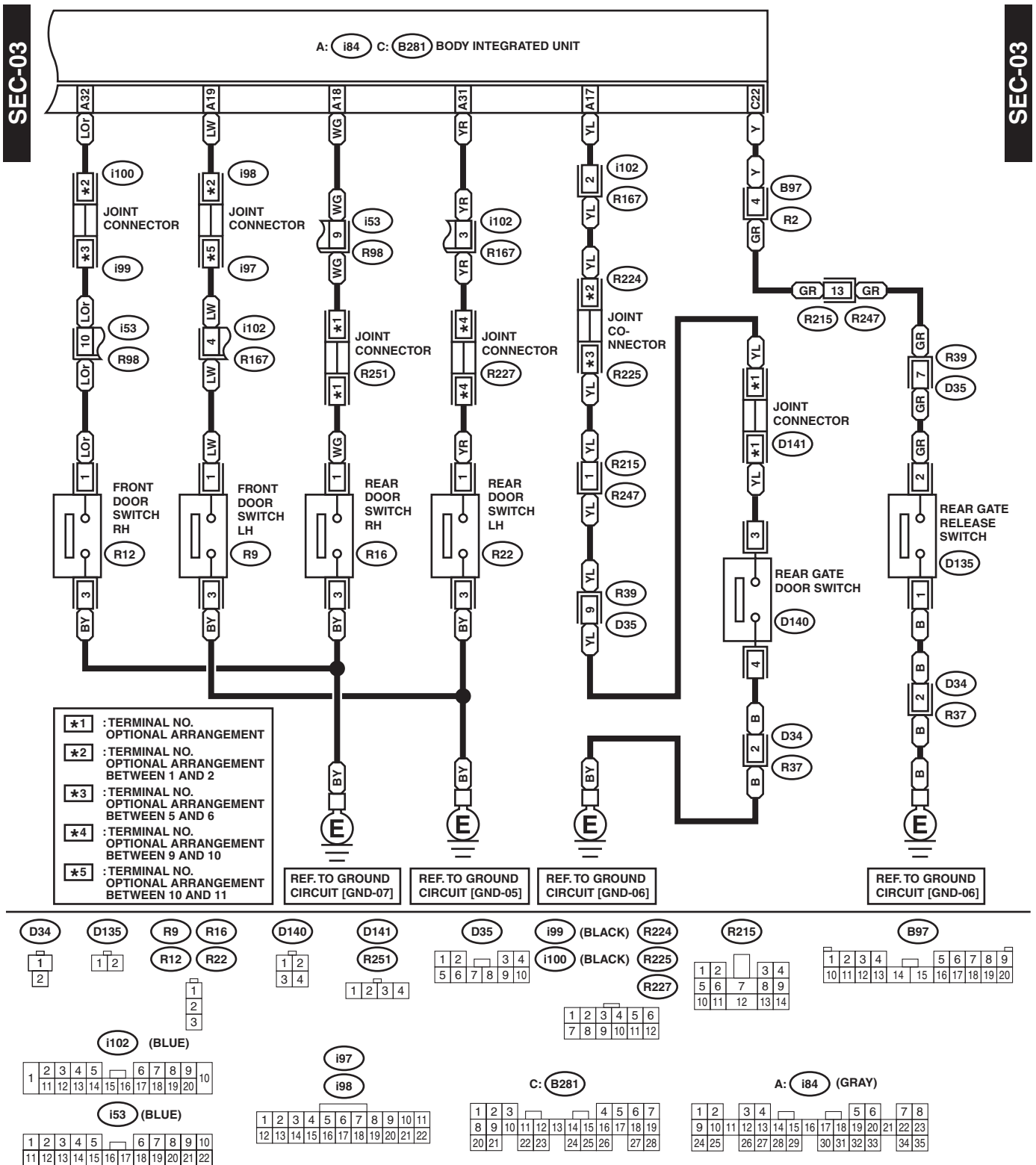
WI-08146



WI-08147

Security System

WIRING SYSTEM



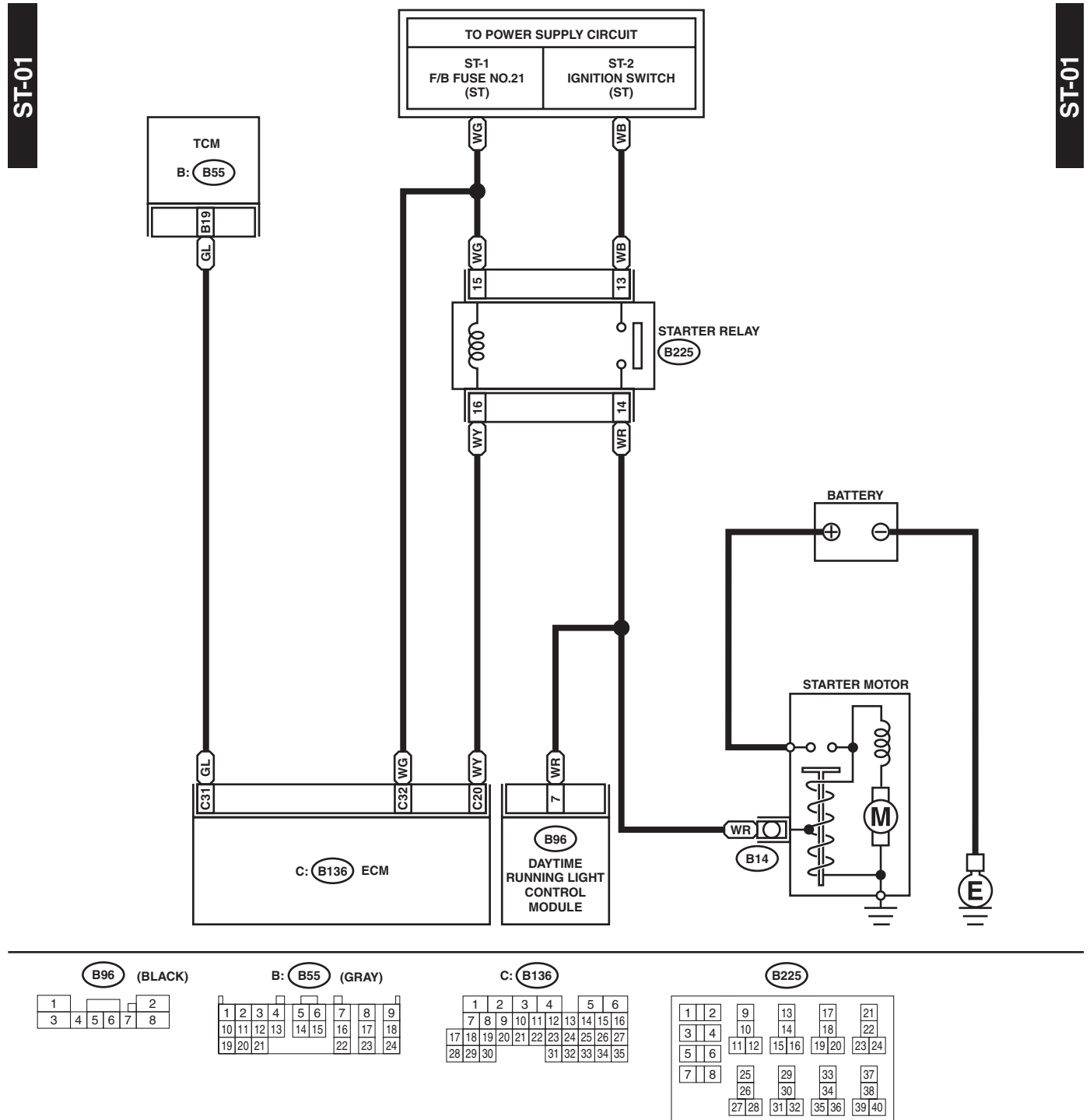
WI-08148

Starter System

WIRING SYSTEM

19.Starter System

A: WIRING DIAGRAM



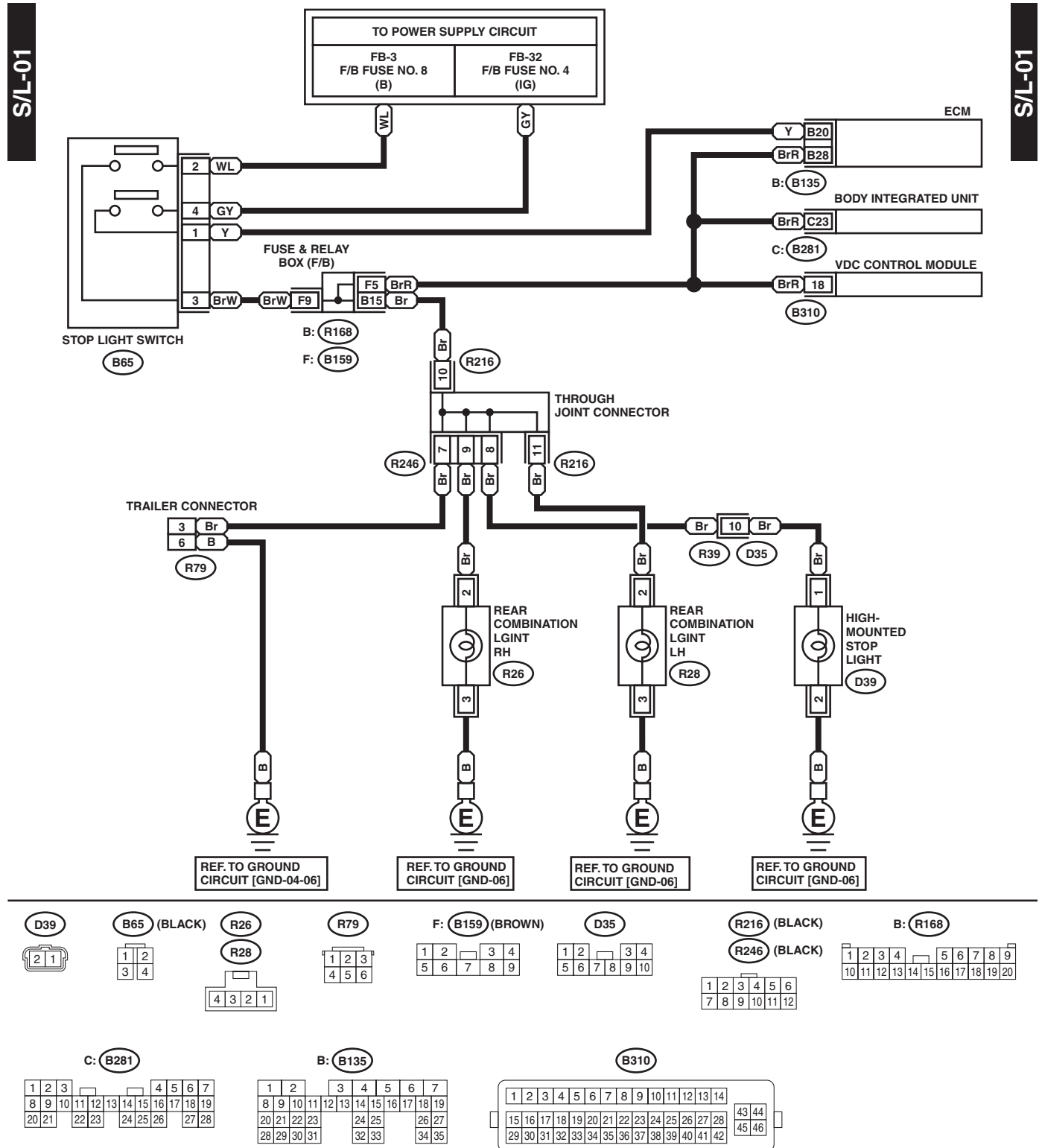
WI-08088

Stop Light System

WIRING SYSTEM

26.Stop Light System

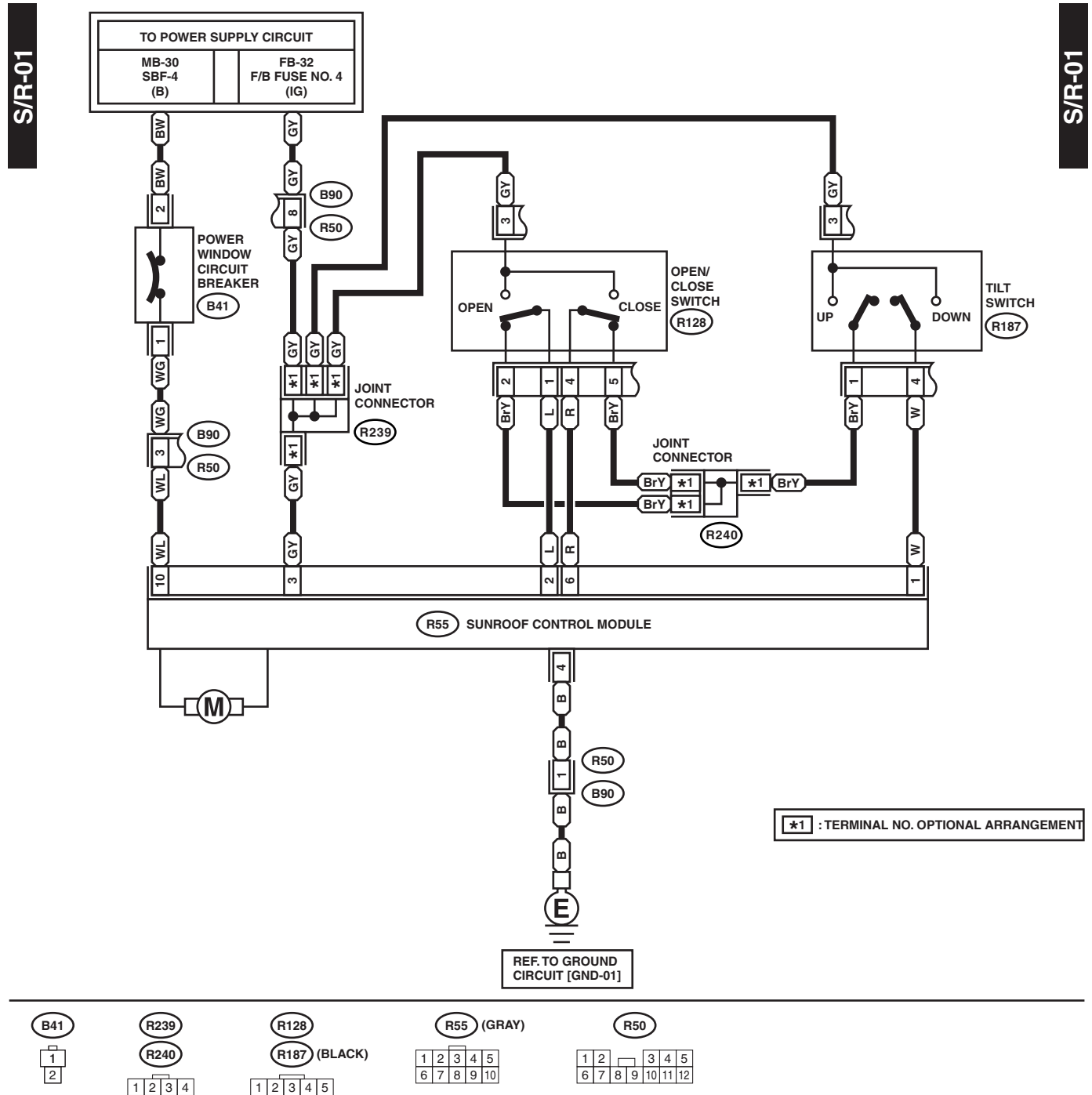
A: WIRING DIAGRAM



WI-08097

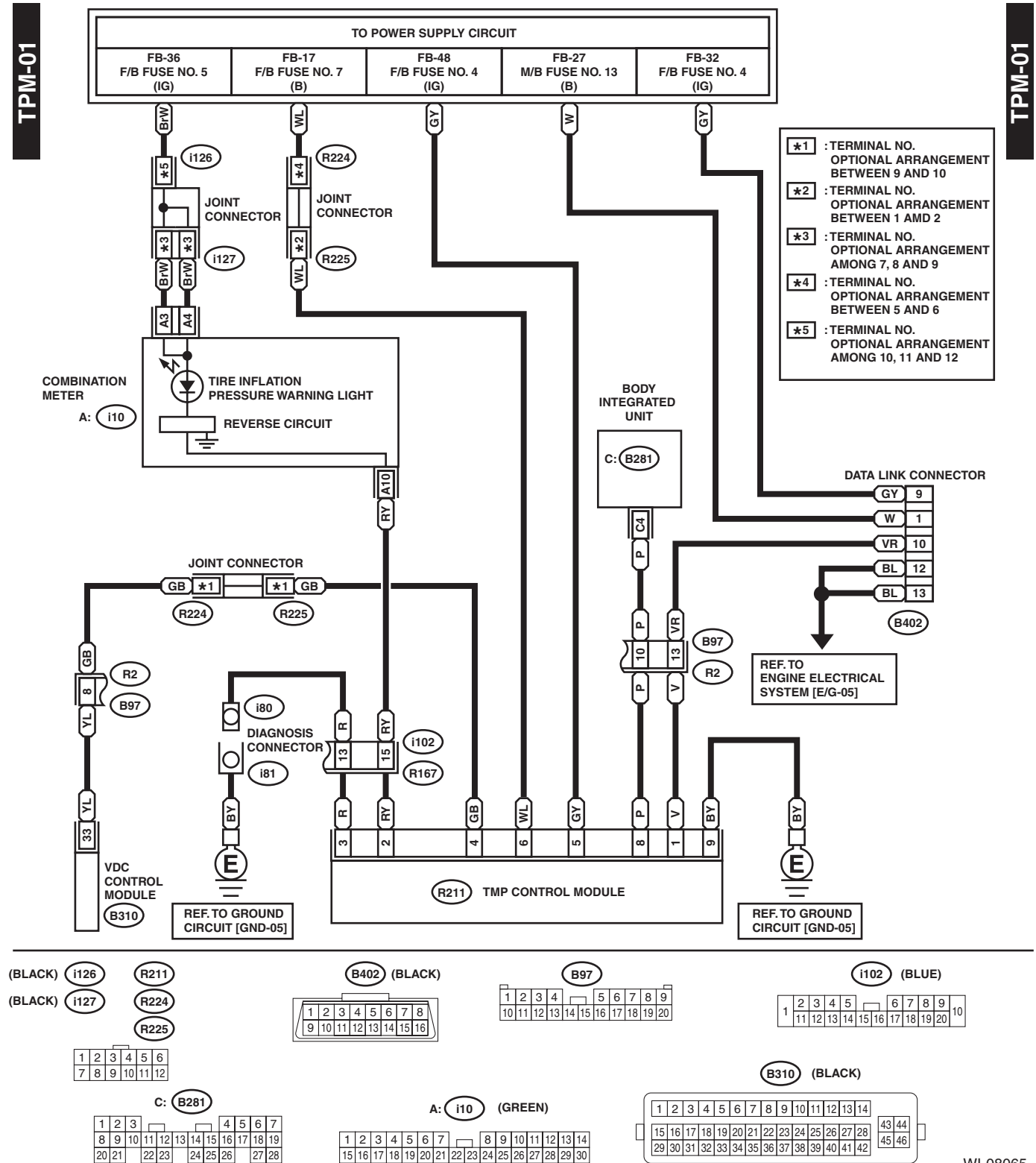
49.Sunroof Control System

A: WIRING DIAGRAM



9. TPM Control System

A: WIRING DIAGRAM



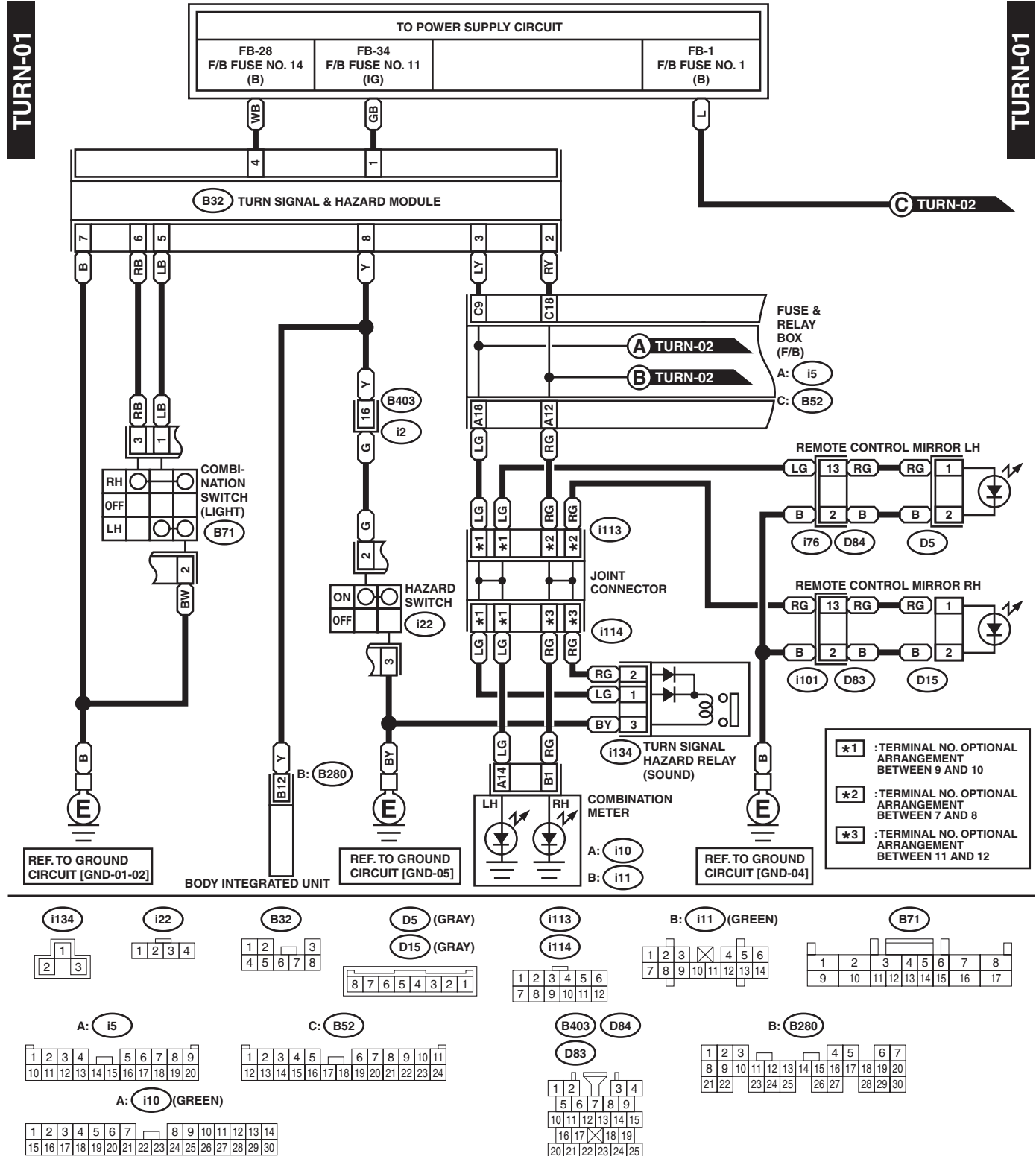
WI-08065

Turn Signal and Hazard Light System

WIRING SYSTEM

28. Turn Signal and Hazard Light System

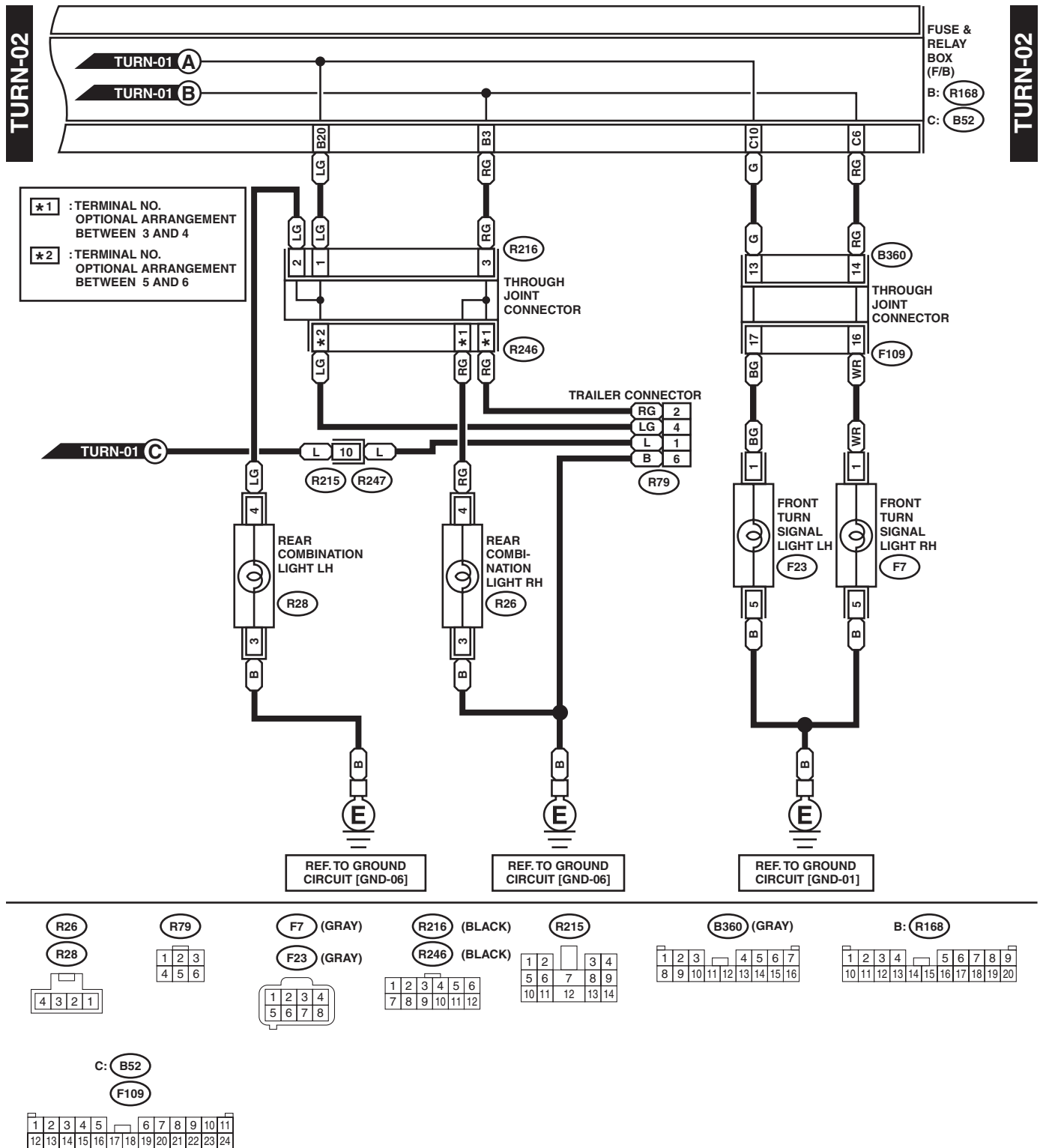
A: WIRING DIAGRAM



WI-08102

Turn Signal and Hazard Light System

WIRING SYSTEM



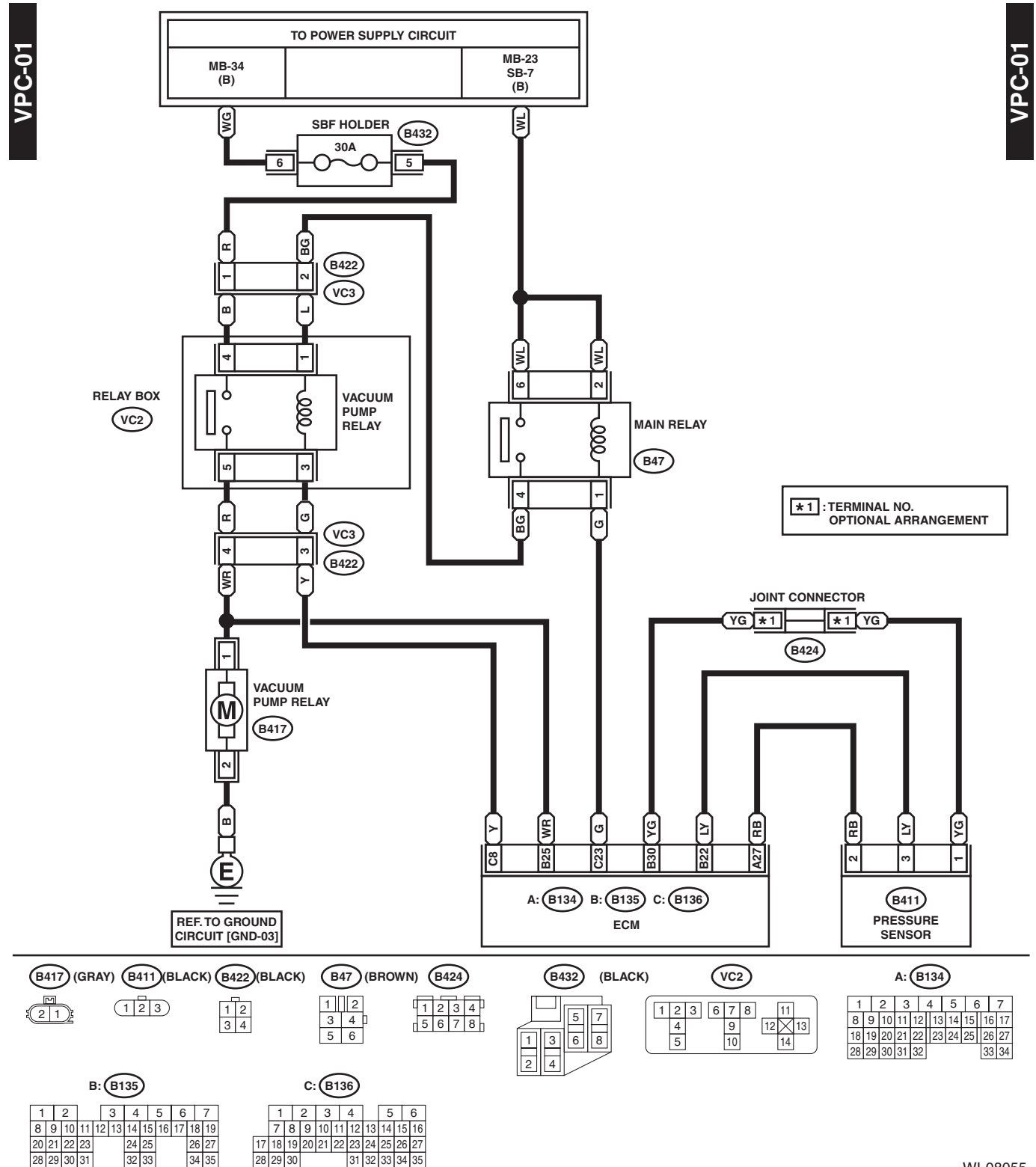
WI-08103

Vacuum Pump Control System

WIRING SYSTEM

6. Vacuum Pump Control System

A: WIRING DIAGRAM



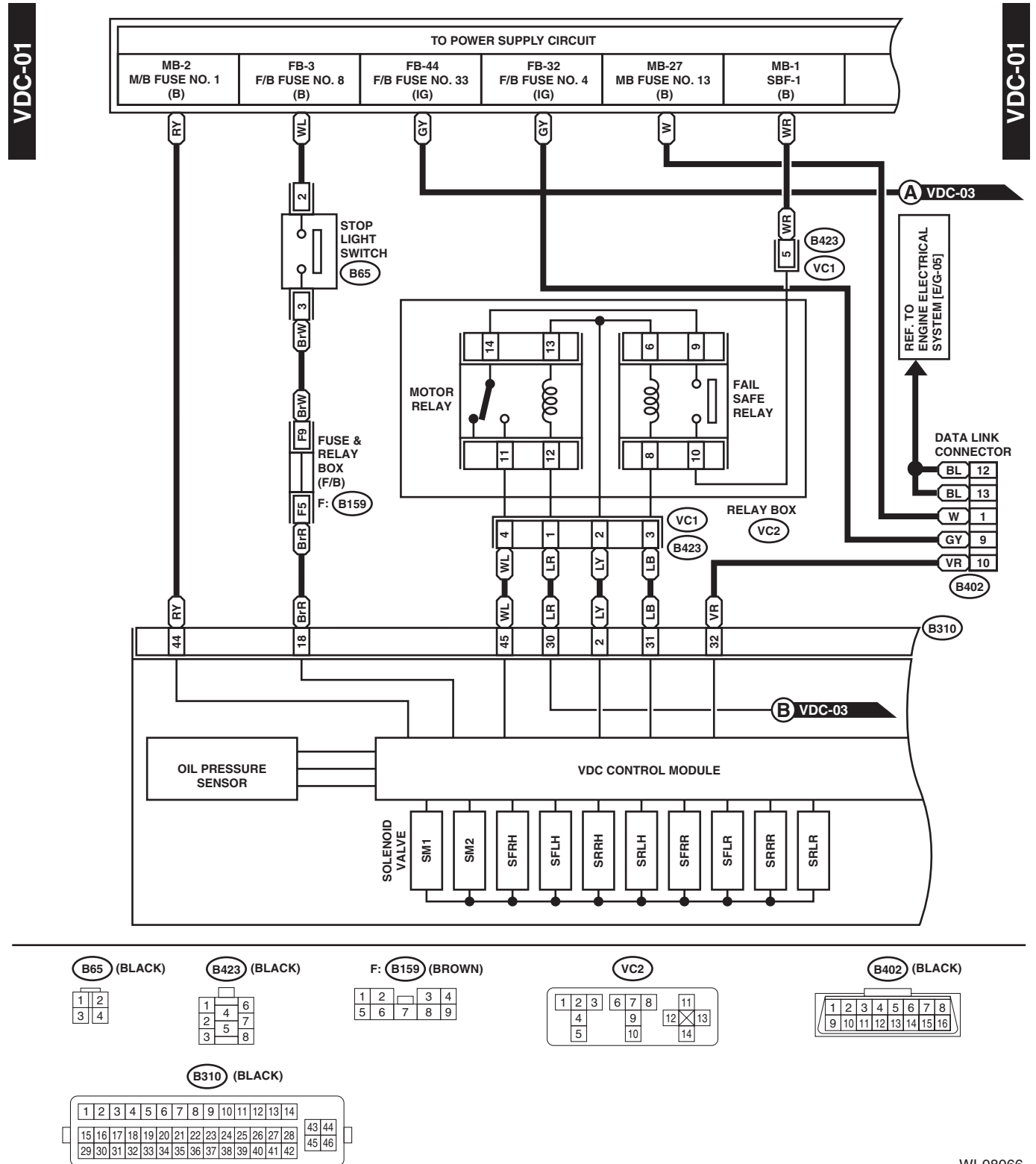
WI-08055

Vehicle Dynamics Control System

WIRING SYSTEM

10. Vehicle Dynamics Control System

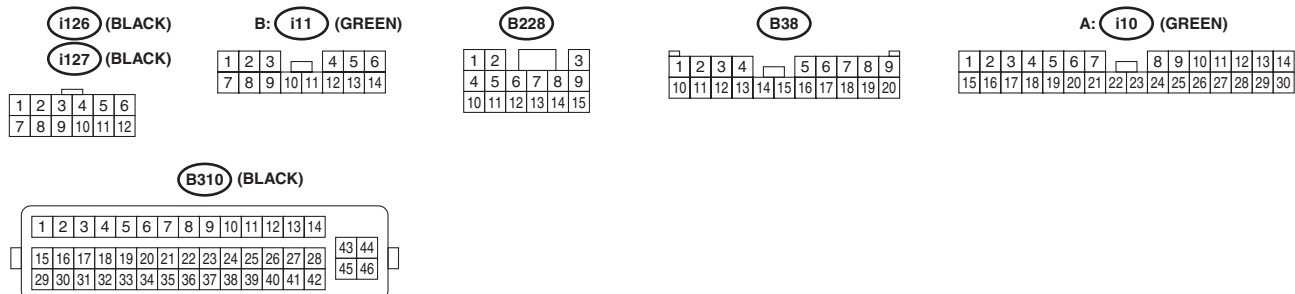
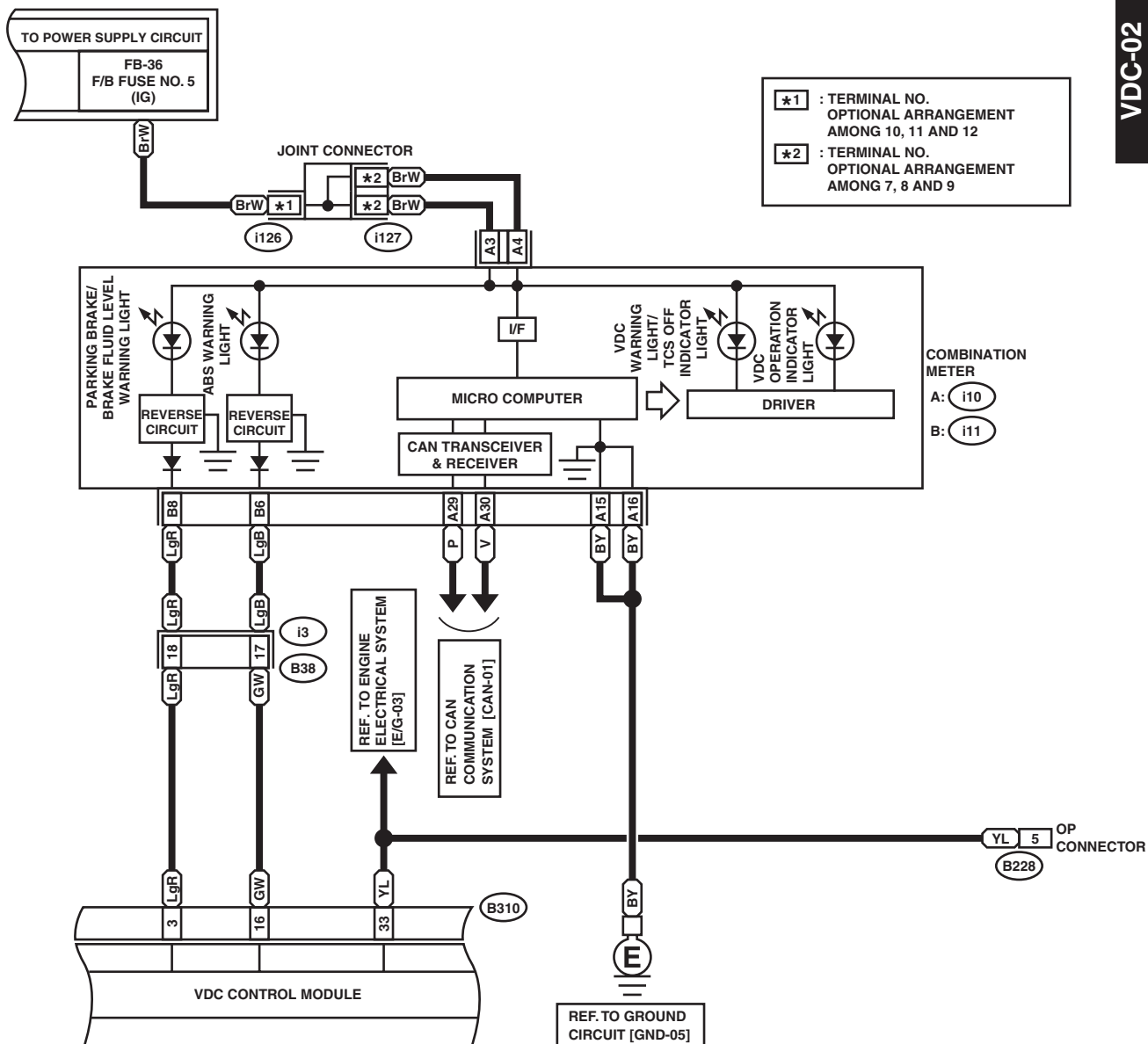
A: WIRING DIAGRAM



WI-08066

VDC-02

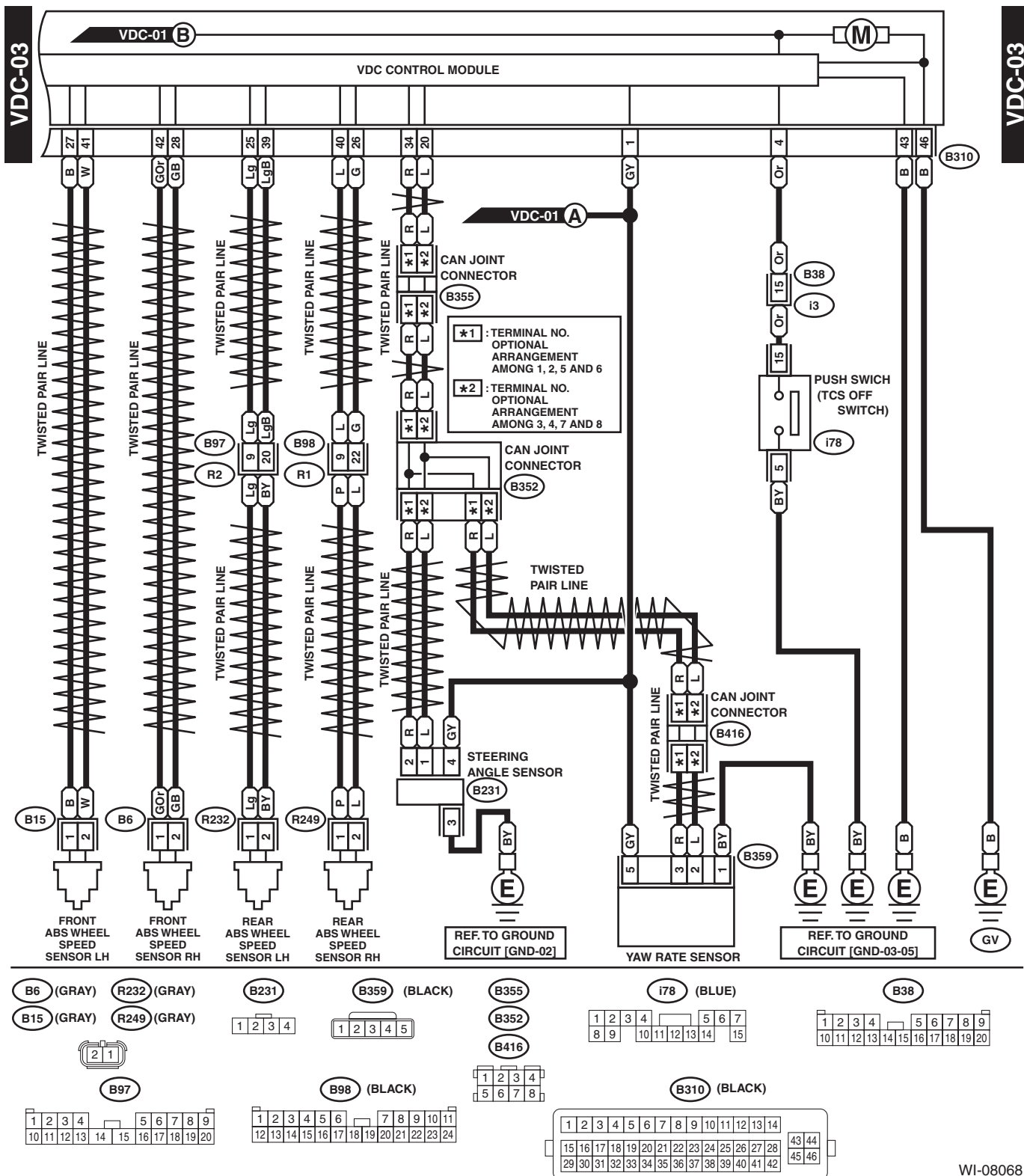
VDC-02



WI-08067

Vehicle Dynamics Control System

WIRING SYSTEM

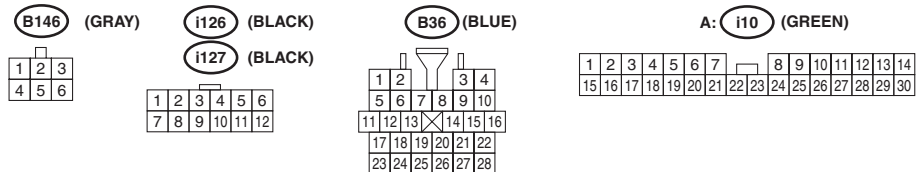
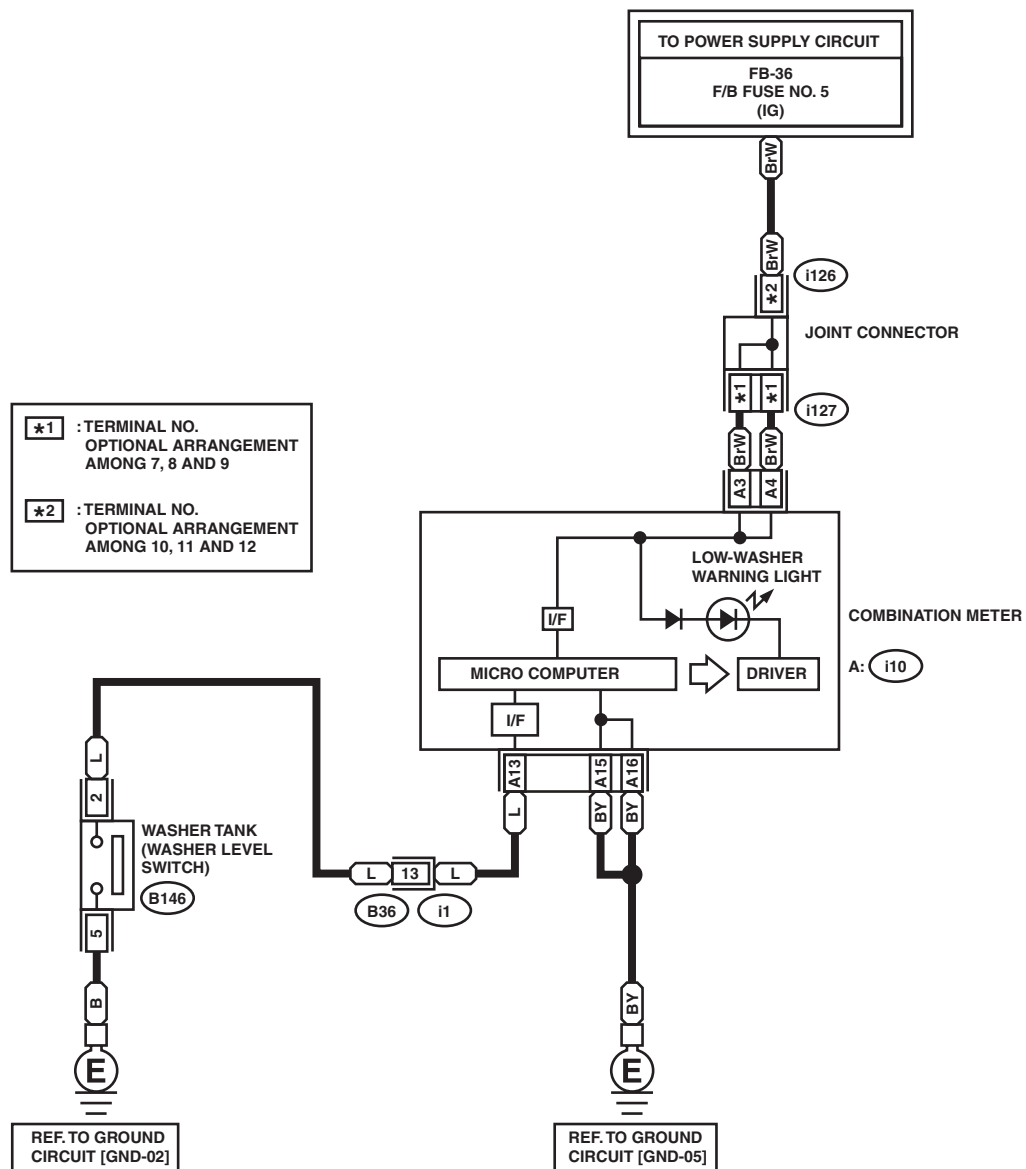


WI-08068

A: WIRING DIAGRAM

W/L-01

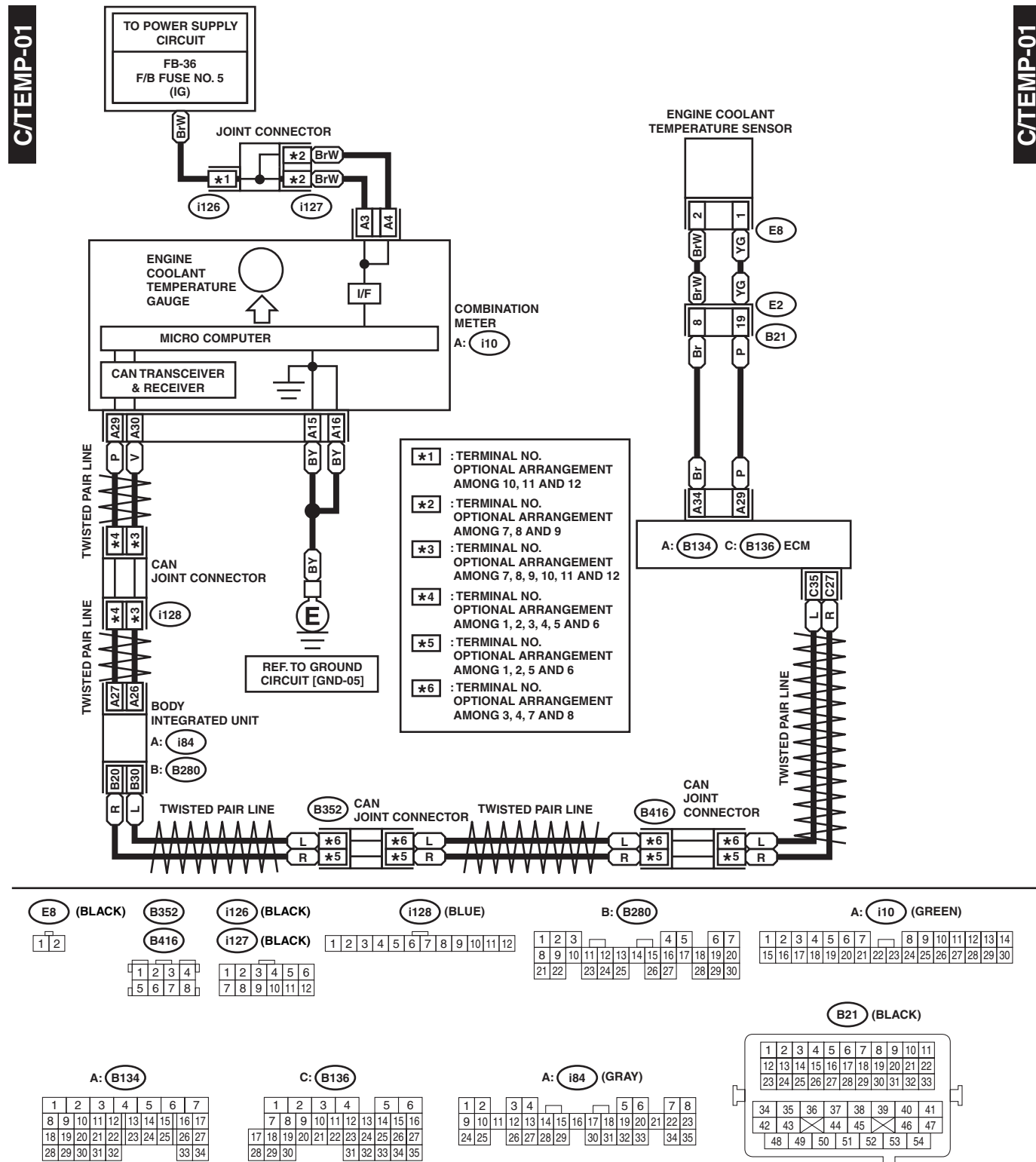
W/L-01



WIRING SYSTEM

46. Water Temperature Gauge System

A: WIRING DIAGRAM

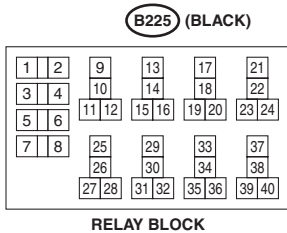
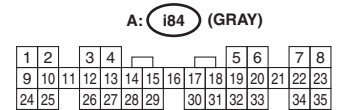
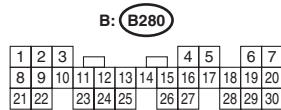
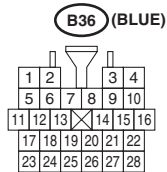
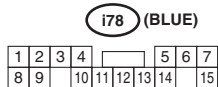
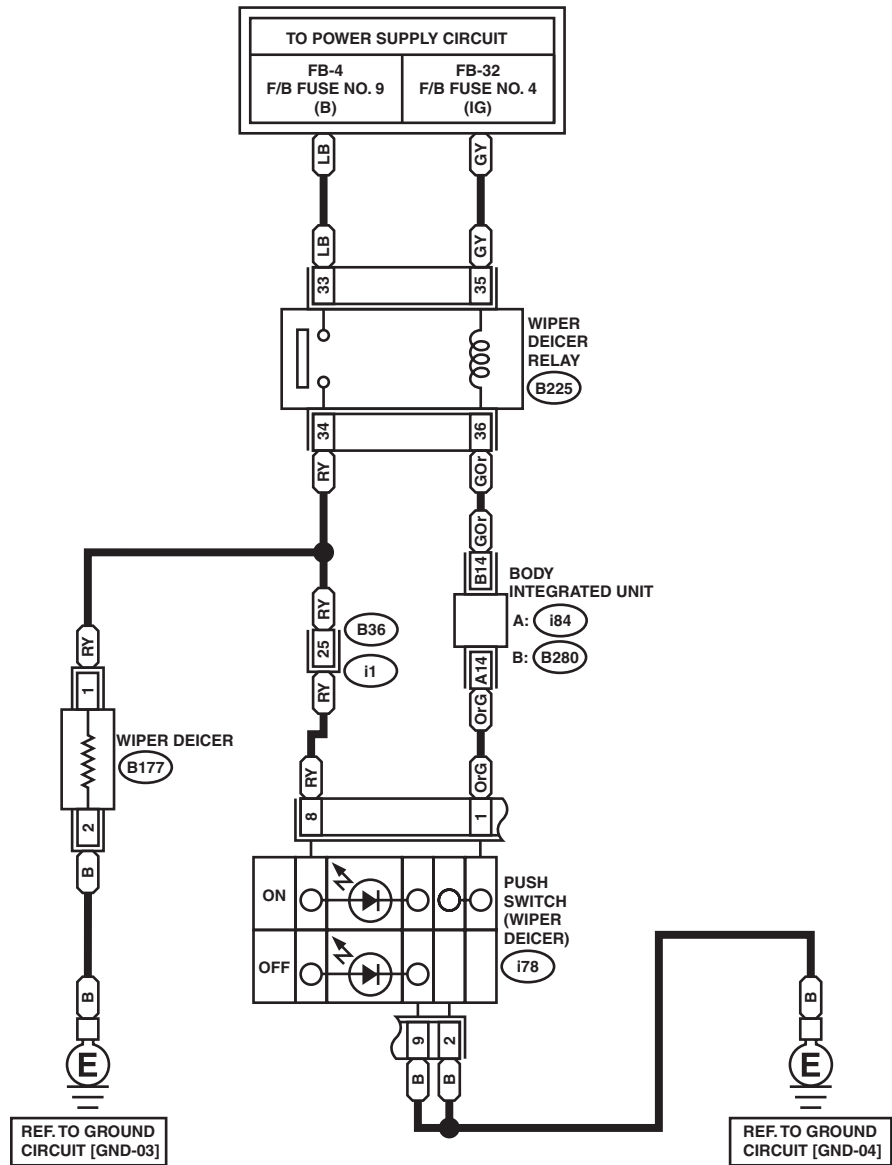


32.Wiper Deicer System

A: WIRING DIAGRAM

W/D-01

W/D-01



RELAY BLOCK

WI-08112

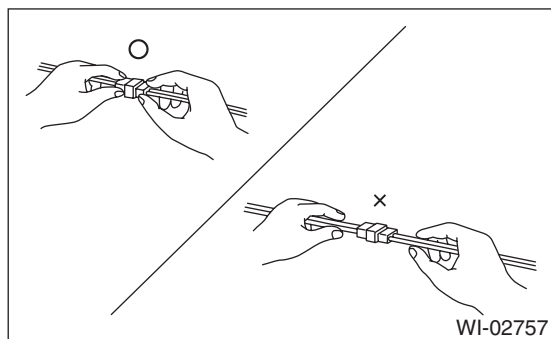
2. Working Precautions

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

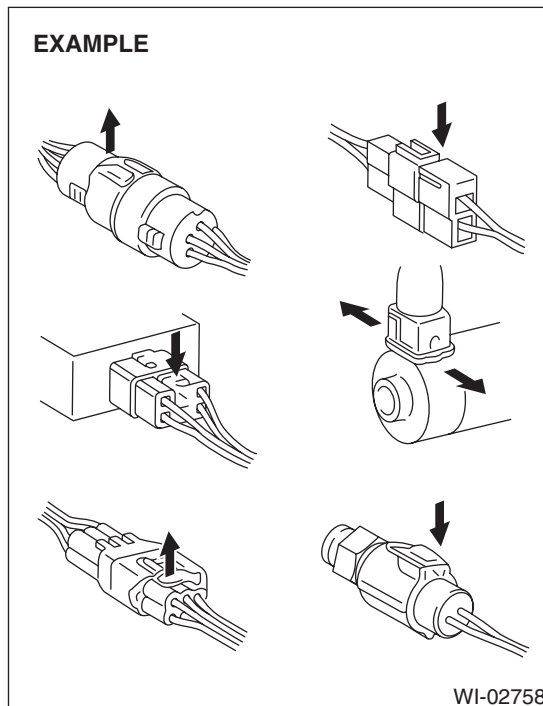
- 1) When working under a vehicle which is jacked-up, always be sure to use rigid rack.
- 2) The parking brake must always be applied during working. Also, in automatic transmission vehicles, keep the select lever set to the P (Parking) range.
- 3) Be sure the workshop is properly ventilated when running 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 slips so that the harness does not interfere with the body end parts or edges and bolts or screws.
- 3) When installing parts, be careful not to catch them on the wiring harness.
- 4) When disconnecting a connector, do not pull the wires, but pull while holding the connector body.

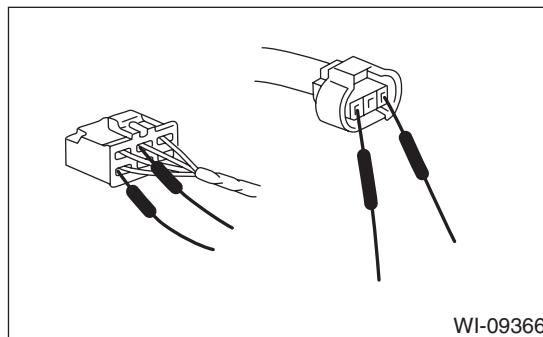


- 5) Some connectors are provided with a lock. One type of such a connector is disconnected by pushing the lock, and the other, by moving the lock up. In either type the lock shape must be identified before attempting to disconnect the connector. To connect, insert the connector until it snaps and confirm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