

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.

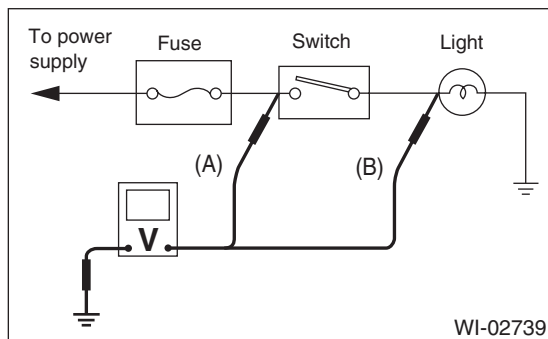
5. SYSTEM OPERATION CHECK

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.

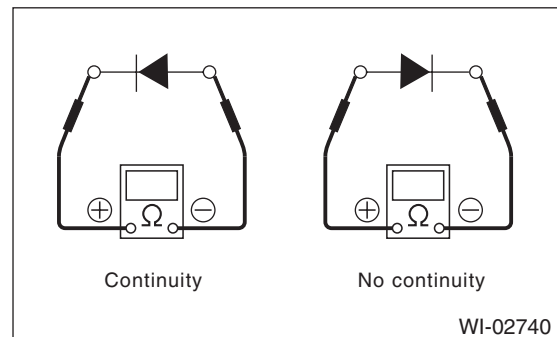
2. CIRCUIT CONTINUITY CHECKS

- 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	○ — ○	○ — ○				○ — ○

WI-02741

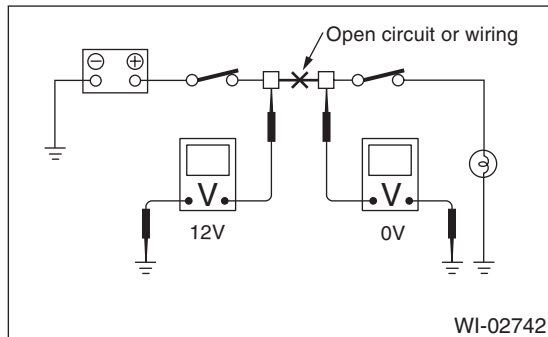
Basic Diagnostic Procedure

WIRING SYSTEM

3. HOW TO DETERMINE AN OPEN CIRCUIT

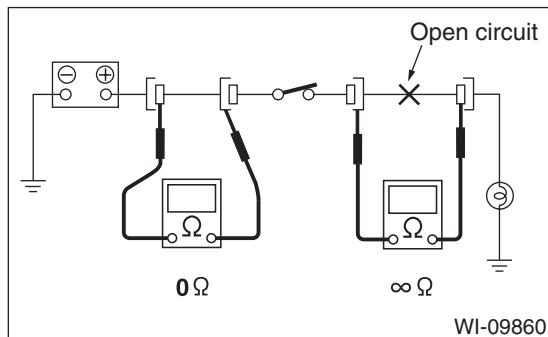
1) With voltmeter:

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:

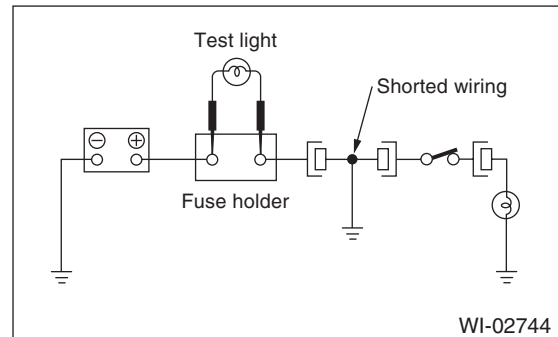
Disconnect all connectors affected, and check continuity in the wiring between adjacent connectors. When the ohmmeter indicates "infinite", the wiring is open.



4. HOW TO DETERMINE A SHORT CIRCUIT

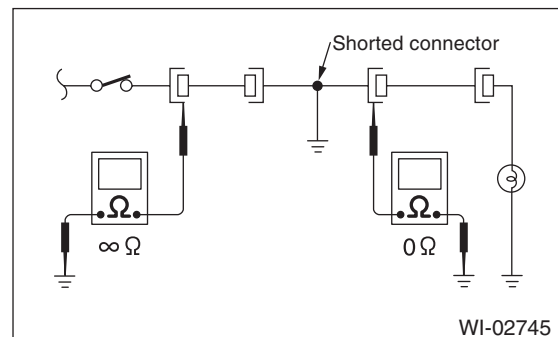
1) With test light:

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.



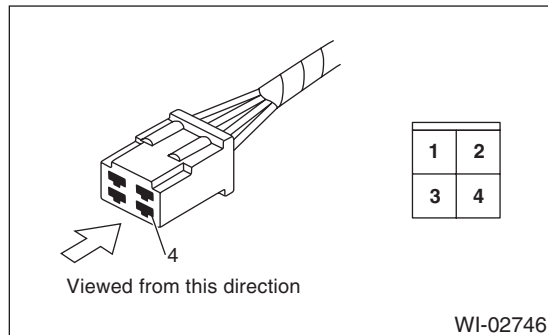
C: HOW TO READ WIRING DIAGRAMS

1. WIRING DIAGRAM

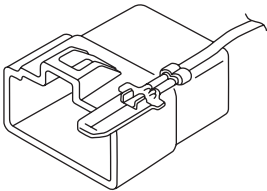
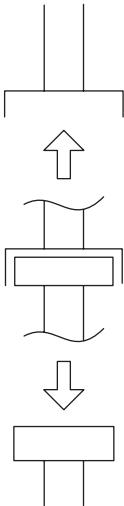
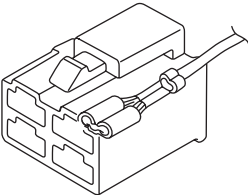
The wiring diagram of each system is illustrated so that you can understand the path through which the electric current flows from the battery.

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. <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									

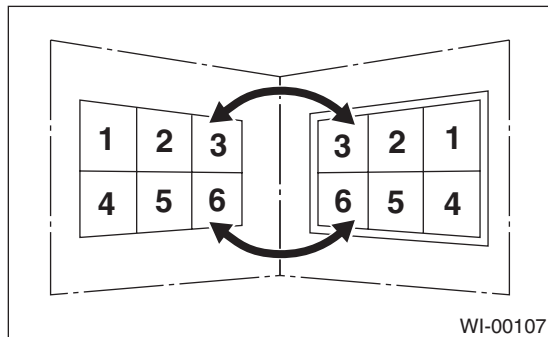
WI-02747

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.



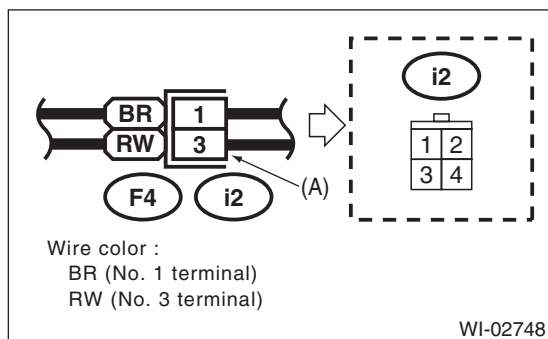
• WIRING DIAGRAM:

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

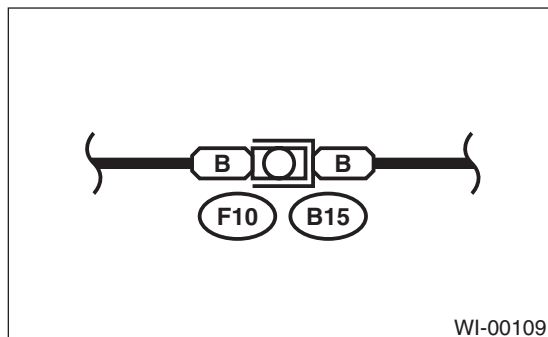
- The sketch of each connector in the wiring diagram usually shows the (A) side of the connector. The relationship between the wire color, terminal number and connector is described in the figure.

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.

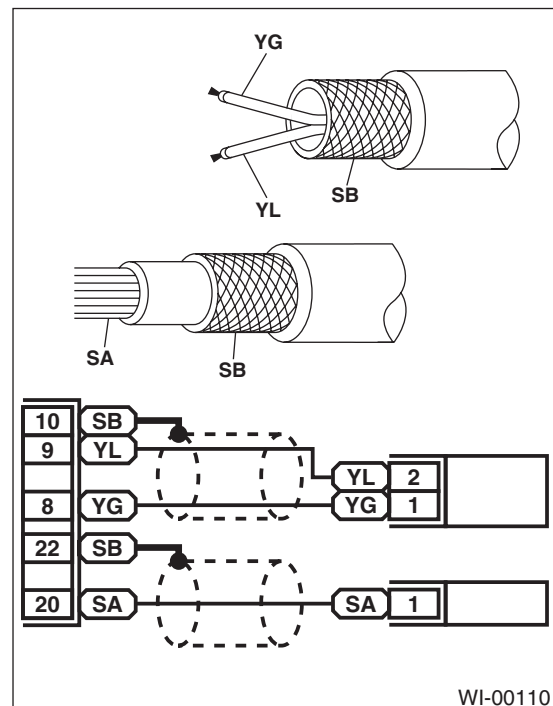


- In the wiring diagram, connectors which have no terminal number refer to one-pole types. Sketches of these connectors are omitted intentionally.

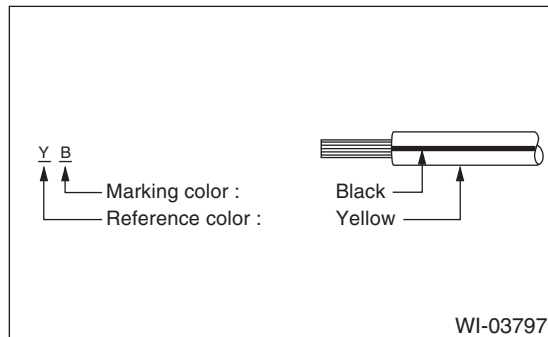


- The following color codes are used to indicate the colors of the wires.

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:

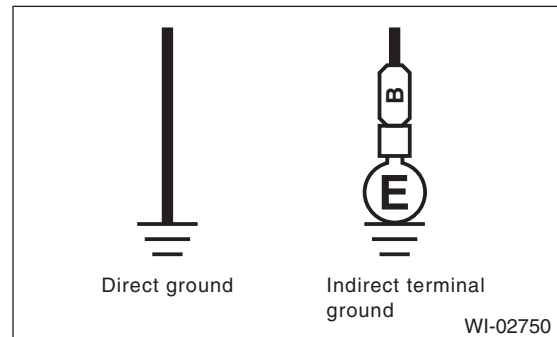
When replacing or repairing a wire, be sure to use the same size and type of the wire which was originally used.

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

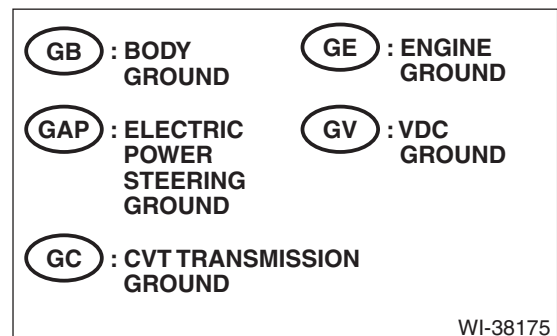
- Each unit is either directly grounded to the body or indirectly grounds through a harness ground terminal. Different symbols are used in the wiring diagram to identify the two grounding systems.



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

NOTE:

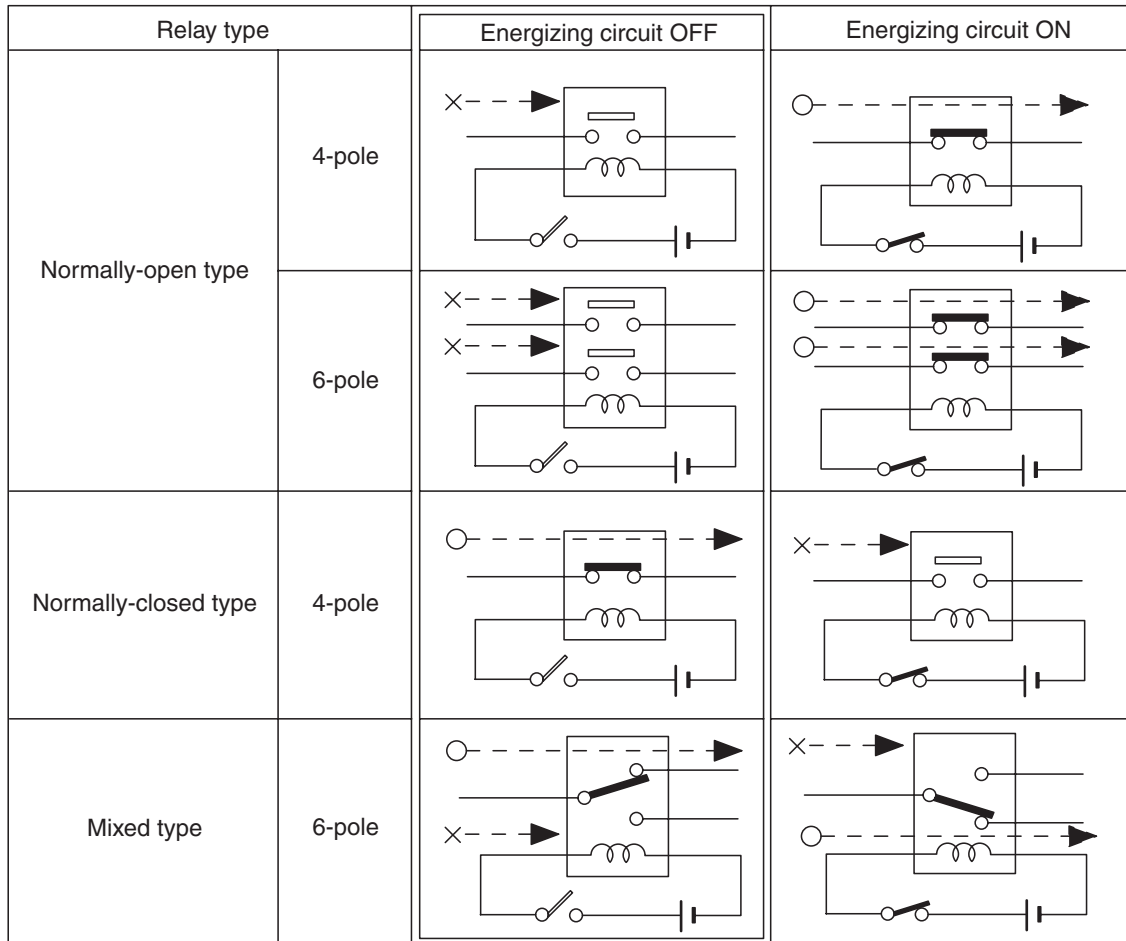
All wiring harnesses are provided with a ground point which must be securely connected.



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.



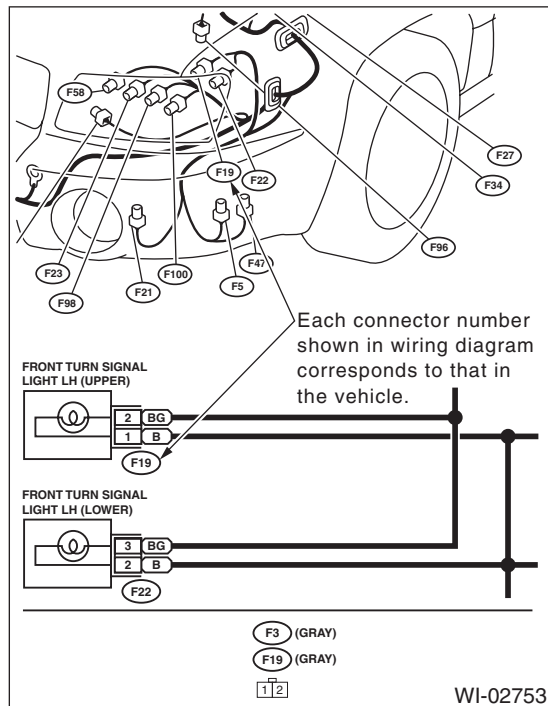
Key to symbols:

- —▶ : Current flows.
 × —▶ : Current does not flow.

WI-16724

- 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

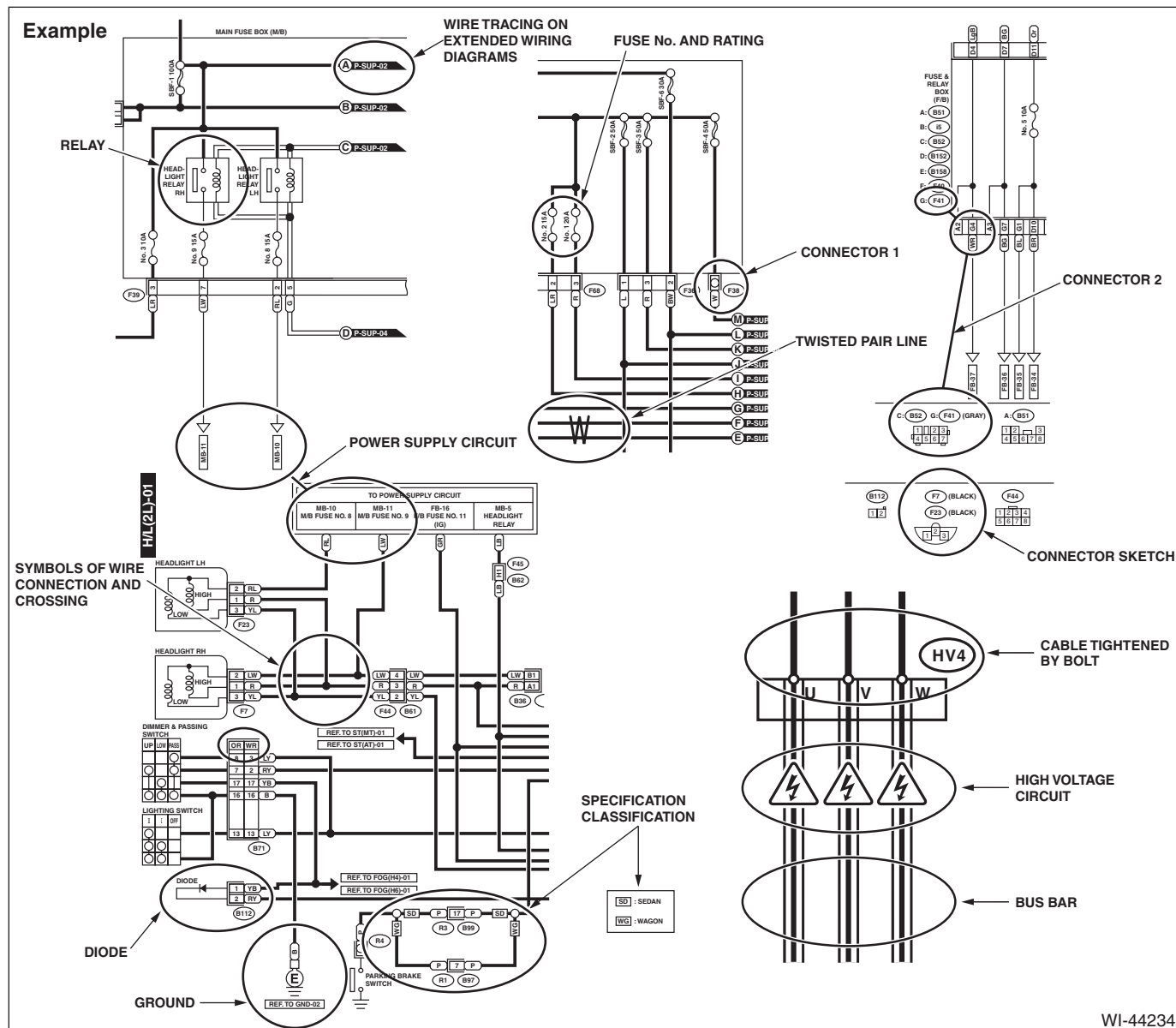


Basic Diagnostic Procedure

WIRING SYSTEM

D: SYMBOLS IN WIRING DIAGRAMS

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



WI-44234

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

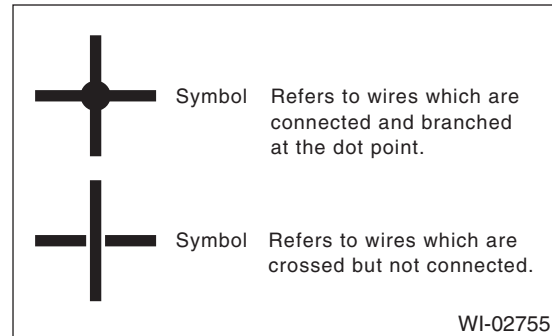
A symbol is used to indicate a diode.

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.

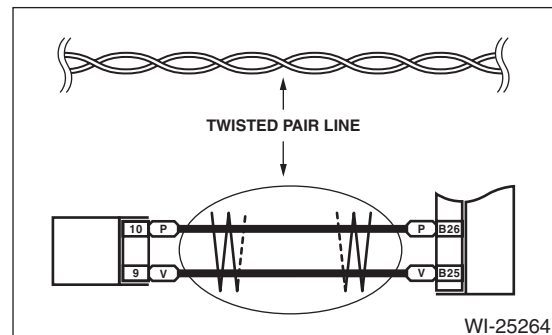
Accordingly, using the "DC POWER SUPPLY CIRCUIT" and wiring diagrams permits service personnel to understand the entire electrical arrangement of a system.

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.

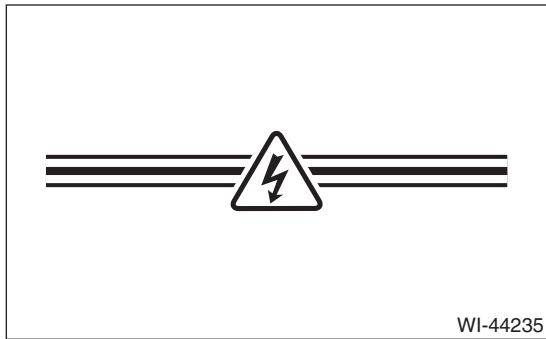


Basic Diagnostic Procedure

WIRING SYSTEM

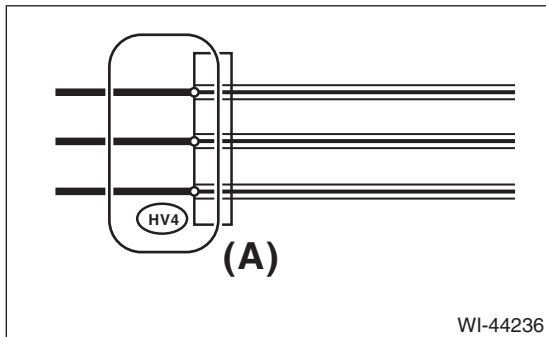
14.HIGH VOLTAGE CIRCUIT

The following signs denote high voltage circuit.



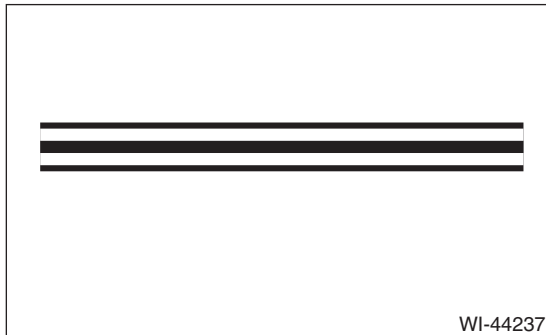
15.CABLE WITH BOLT CONNECTION

Cable connections with bolt (HV**) are denoted by (A) below. Signs for connection (HV**) are also used in location section.



16.BUS BAR

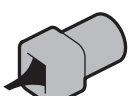
The following signs denote bus bar.



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		
		
		

WI-02756

Basic Diagnostic Procedure

WIRING SYSTEM

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
BECM	Battery Energy Control Module
CAN	Controller Area Network
CM	Control Module
CVT	Continuously Variable Transmission
D	Drive range or Down
DMCM	Drive Motor Control Module
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
HPCM	Hybrid Powertrain Control Module
I/F	Interface
IG	Ignition
INT	Intermittent
ISG	Integrated Starter Generator
ISO	International Organization for Standardization
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

Abbr.	Full name
P	Parking or Parking range
PASS	Passing
PCV	Positive Crankcase Ventilation Valve
R	Reverse Range
RH	Right Hand
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

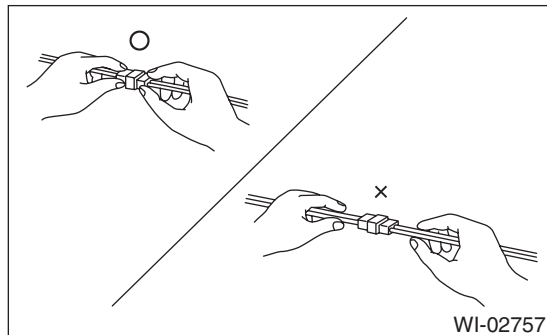
2. Working Precautions

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.

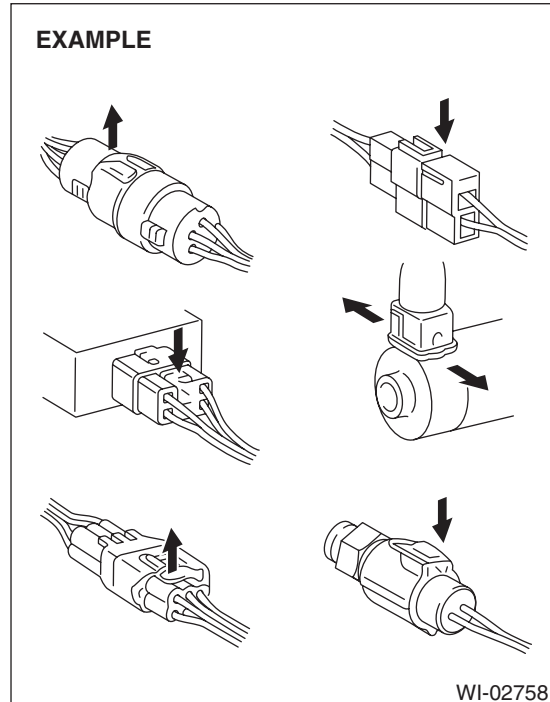
B: PRECAUTIONS IN TROUBLE DIAGNOSIS AND REPAIR OF ELECTRIC PARTS

- 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.



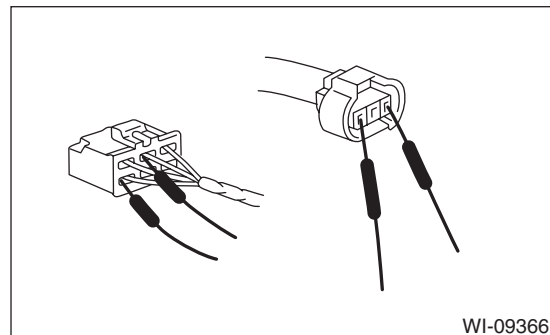
WI-02757

- 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 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.



WI-09366

Working Precautions

WIRING SYSTEM

7) Sensors, relays, electrical unit, etc., are sensitive to strong impacts.

Handle them with care so that they are not dropped or mishandled.

8) For inspection of airbag system, always refer to "CAUTION" of "General Description" under AIRBAG SYSTEM in the service manual for the same model to prevent malfunctioning.

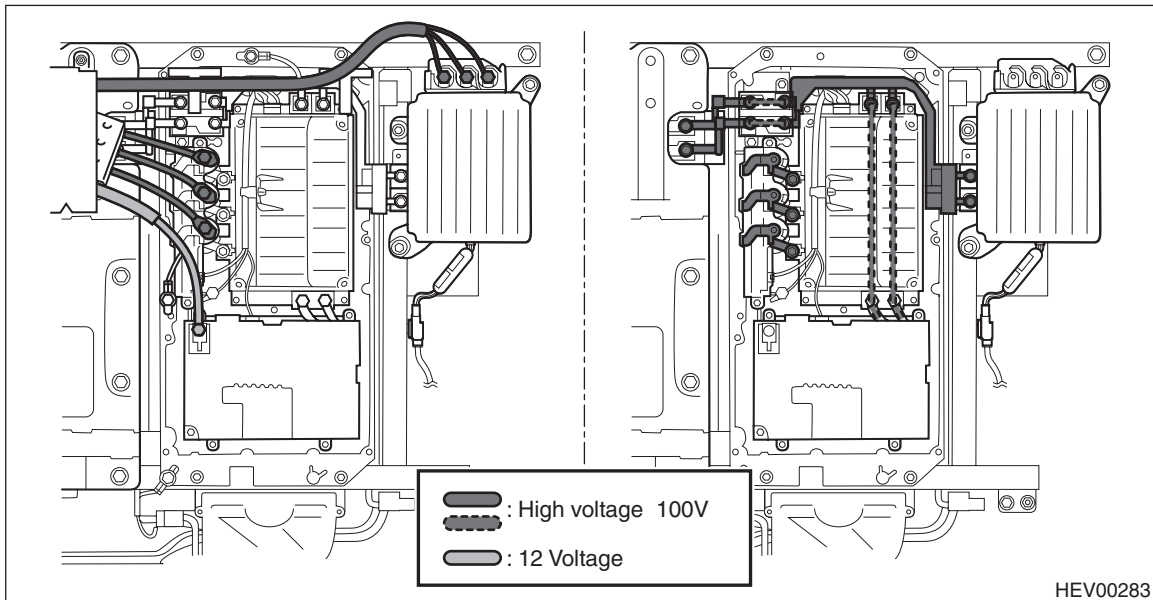
9) When measuring the voltage or resistance of individual sensor or all electrical control modules, use a tapered pin with a diameter of 0.6 mm (0.024 in) or less and touch it to the tip of terminal. Never insert the tapered pin into the terminal at this time. Doing so may cause internal deformation and a malfunction can occur.

C: PRECAUTIONS REGARDING THE HYBRID SYSTEM

1. PRECAUTIONS FOR MAINTENANCE

The hybrid system includes a high voltage circuit. Mishandling may cause electric shocks and leakage. Therefore, perform proper operations by following procedures in this manual.

- Engineers are required to receive a special training in order to perform maintenance of high voltage system.
- All the harnesses and connectors for power cables are orange in color. In addition, caution labels indicating [High Voltage] are attached on the High voltage battery and its battery cover. Do not touch the wires and parts related to high voltage carelessly.
- Use great care when handling the high voltage system power supply circuits shown in the figure below.



- When performing maintenance of the high voltage system, make sure to take measures for preventing electrocution, by wearing insulated gloves, removing the service disconnect plug, etc. In addition, carry the removed service disconnect plug in your pocket in order to prevent other servicemen from accidentally installing during work.

NOTE:

Do not turn the ignition to ON with the service disconnect plug removed in order to prevent malfunctions.

- After removing the service disconnect plug, be sure to wait for ten minutes before touching the high voltage connectors and terminals.

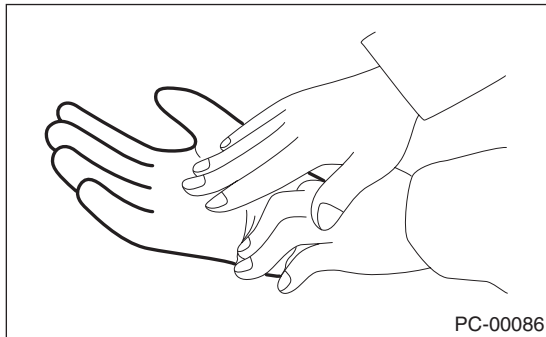
Working Precautions

WIRING SYSTEM

NOTE:

This time allows the high voltage condenser in the inverter to discharge.

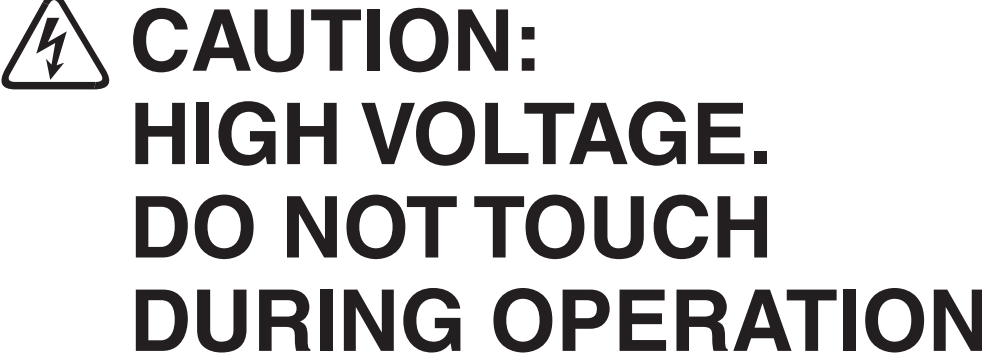
- When wearing insulated gloves for work, make sure there is no holes or damages on the gloves.
- During the work, do not carry any metallic products, such as mechanical pencils and scales, which may be dropped and may cause short.
- Parts with high voltage and strong magnetic force are used. Therefore, during the work, do not carry any metallic products that may cause short, or magnetic recording media (such as cash cards and prepaid cards) whose magnetic record may get destroyed.
- When touching the high voltage terminals without insulation covering, make sure, in advance, to wear insulated gloves and to confirm that the voltage is 0 V using an insulation multimeter.
- Insulate the high voltage connectors and terminals with insulating tape immediately after removing.
- Be sure to tighten the high voltage screw terminals firmly to the specified torque. Lack of, or excess torque causes failures.
- Be careful not to allow foreign matter to enter the battery.
- Make sure to insulate the power cable terminals by wrapping insulating tape around.
- To work on the high voltage wire connections, use insulated tools, or wrap tools with vinyl tape for insulation before use.
- When using tools wrapped with vinyl tape as alternatives to insulated tools, cover tools with the standardized product, pressure-sensitive polyvinyl chloride tapes for electrical purposes (JIS C2336), and confirm the insulated condition before working, using an insulation multimeter.
- When inspecting insulated gloves, make sure there is no cracks, breakage, other damages, or air leakage by rolling insulated gloves from the opening side up to the wrist area and pressing the inflated portion. Do not use wet insulated gloves.



- When performing work, wear or use insulated gloves, protective goggles, and rubber boots for electrical purposes, insulated protective shoes or insulating rubber sheet.
- Even after the service disconnect plug is removed, make sure to wear insulated gloves during maintenance of all the parts inside the cover including the battery cover, and of underfloor power cable. (Maintenance of the high voltage battery cooling fan and cooling duct parts outside the battery cover, and the drive motor control module parts does not require to wear insulated gloves even in the compartment, because the voltage is 12 V only.)
- For maintenance of engine compartment and of CVT unit except for the power cable, insulated gloves are not required.

- During the work for the high voltage system, make sure to alert other servicemen to take precautions, for instance by displaying [HIGH VOLTAGE WORK. DO NOT TOUCH] on the vehicle. (An example is shown. Make a photocopy for use.)

HIGH VOLTAGE CAUTION LABEL

 CAUTION: HIGH VOLTAGE. DO NOT TOUCH DURING OPERATION Person in charge: _____	 CAUTION: HIGH VOLTAGE. DO NOT TOUCH DURING OPERATION Person in charge: _____
Copy this page and put it after folding on the roof of the vehicle in service.	

HEV00088

- After performing work for the high voltage system, make sure to check again for misplaced parts and tools, tightening conditions of high voltage terminals, and connector connections, before connecting the service disconnect plug.

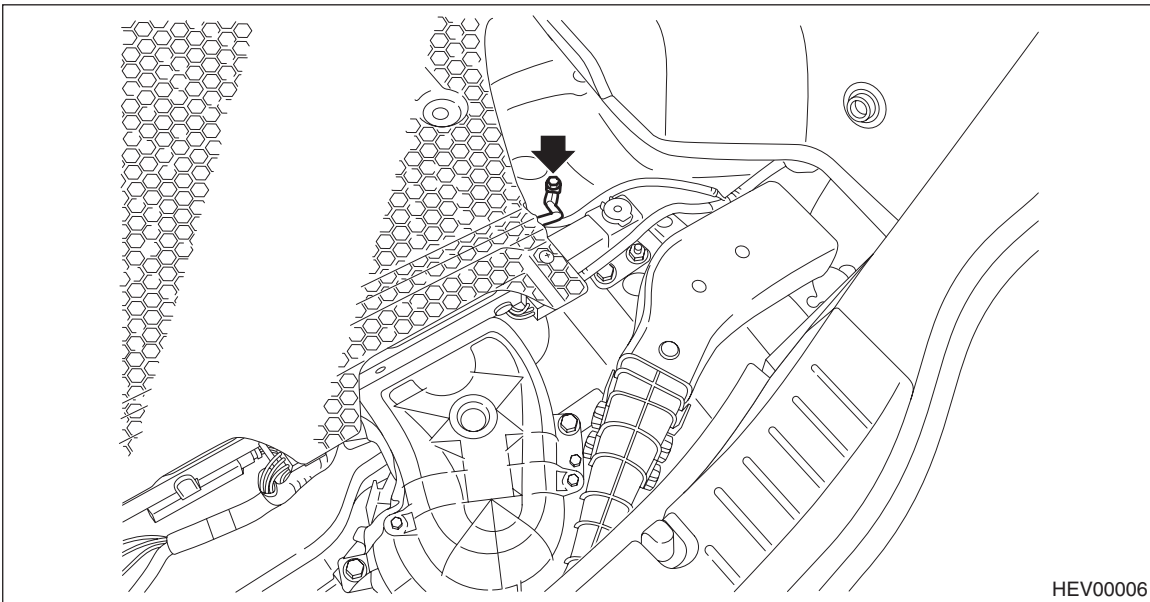
CAUTION:

Make sure the connectors are connected completely without insecurity.

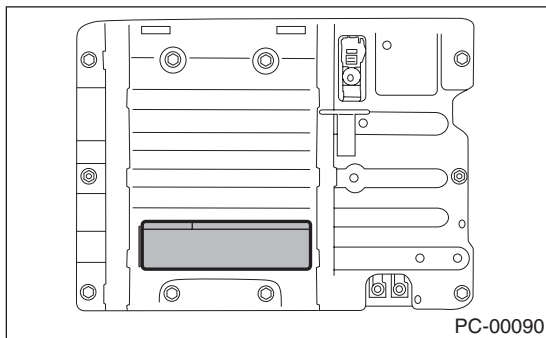
Working Precautions

WIRING SYSTEM

- Make sure to check the positive and negative terminal connections during the battery removal and installation procedures.
- Never connect the battery in reverse polarity. Otherwise, the control module will be broken instantly, and other parts will also be damaged.
- Do not disconnect the battery cables while the engine is running. A large counter electromotive force will be generated, and this voltage may damage electronic parts such as control modules.
- When disconnecting the connectors of the electrical components, always be sure to turn the ignition switch to OFF.
- When measuring the voltage or resistance of individual sensor or all electrical control modules, use a tapered pin with a diameter of 0.6 mm (0.024 in) or less and touch it to the tip of terminal. Never insert the tapered pin into the terminal at this time. Doing so may cause internal deformation and a malfunction can occur.
- Take care not to allow water to get into the connectors when servicing or washing the vehicle in rainy weather. Avoid exposure to water even if the connectors are waterproof.
- Use the engine ground terminal or engine assembly for the grounding point when measuring the voltage and resistance in engine compartment.
- All parts related to the hybrid system are precision parts. Do not drop or otherwise apply impact. Do not reuse the parts that are dropped accidentally.
- Use the body ground bolt on the inverter frame as the grounding point, when measuring voltage and resistance in rear of the vehicle.



- Take the ignition key or access key out of the vehicle, except when the key is needed inside.
- When the part is replaced or the label is detached, make sure to attach a new label in the original position and direction.



- This engine starts and stops automatically, when the Hybrid READY indicator light in the meter illuminates. Make sure to turn the ignition to OFF before performing maintenance.
- When the state of battery charge is in a good condition while the engine is warmed-up, the engine will be stopped automatically while the vehicle is stopped. Therefore, when continuous running of the engine is necessary during vehicle stoppage in the cases such as ignition timing inspection, set to «Auto Start Stop Cancel Drive Mode (Engine only or Engine + Motor)».

3. Power Supply Circuit

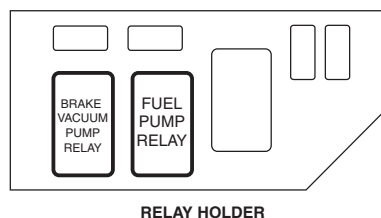
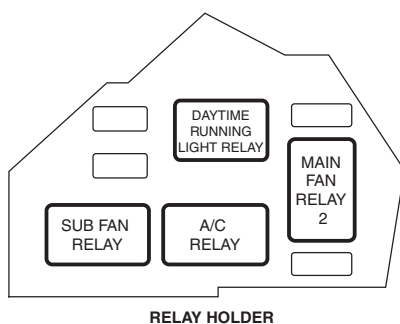
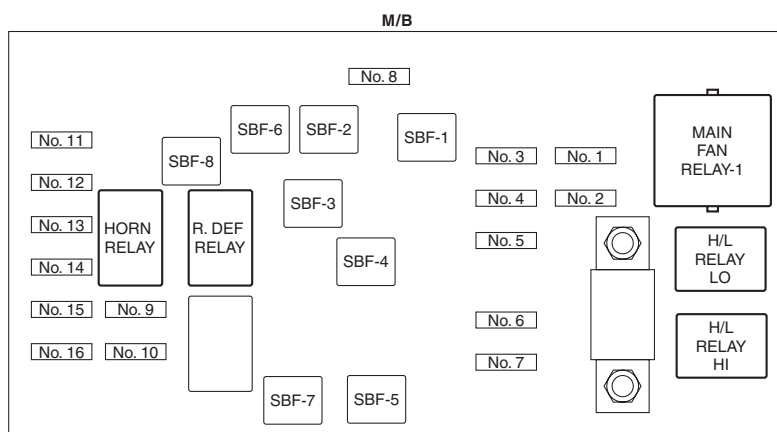
A: WIRING DIAGRAM

1. WITHOUT PUSH BUTTON START

- Engine room side

P-SUP-01

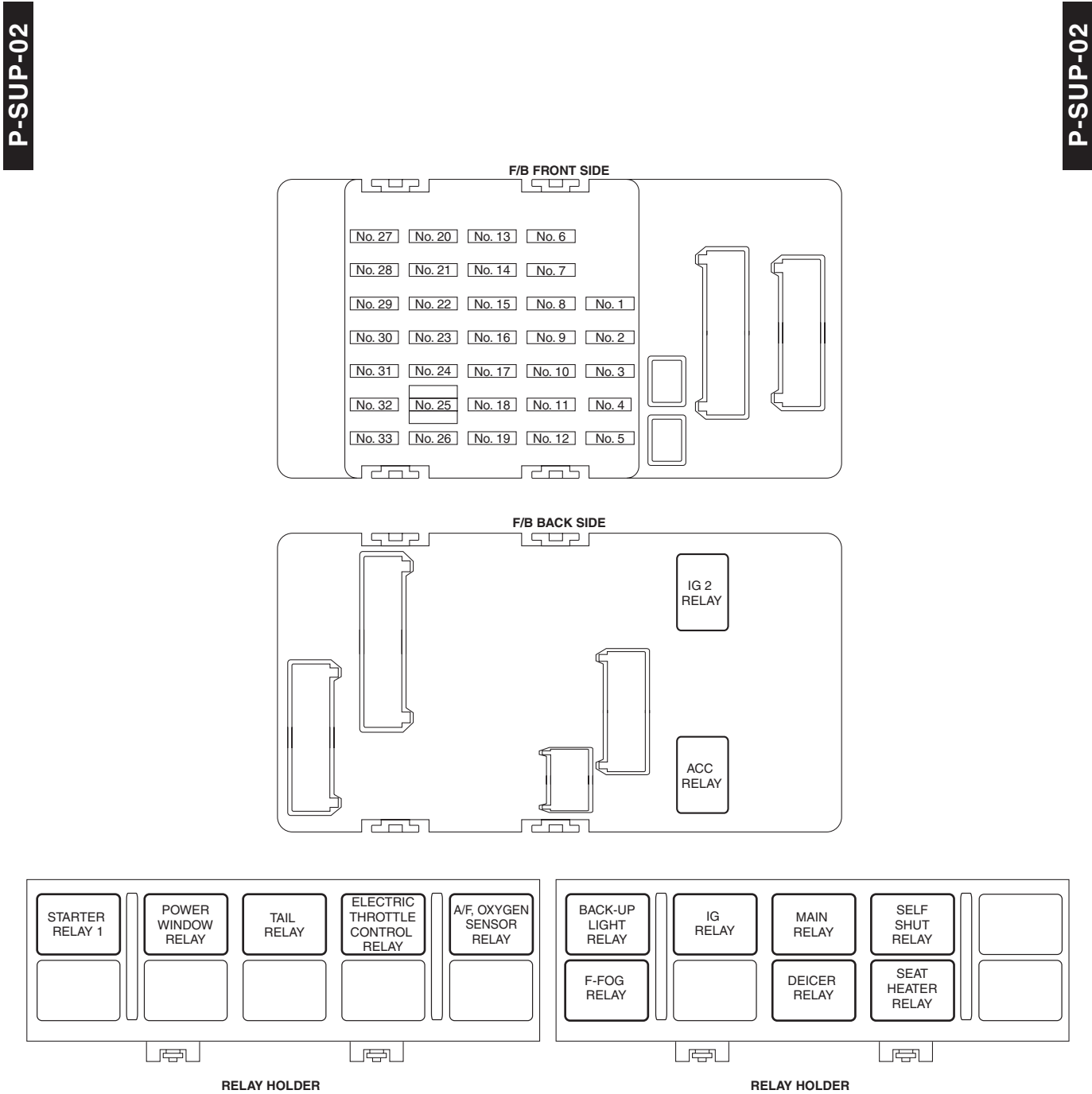
P-SUP-01



Power Supply Circuit

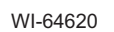
WIRING SYSTEM

- Passenger room side



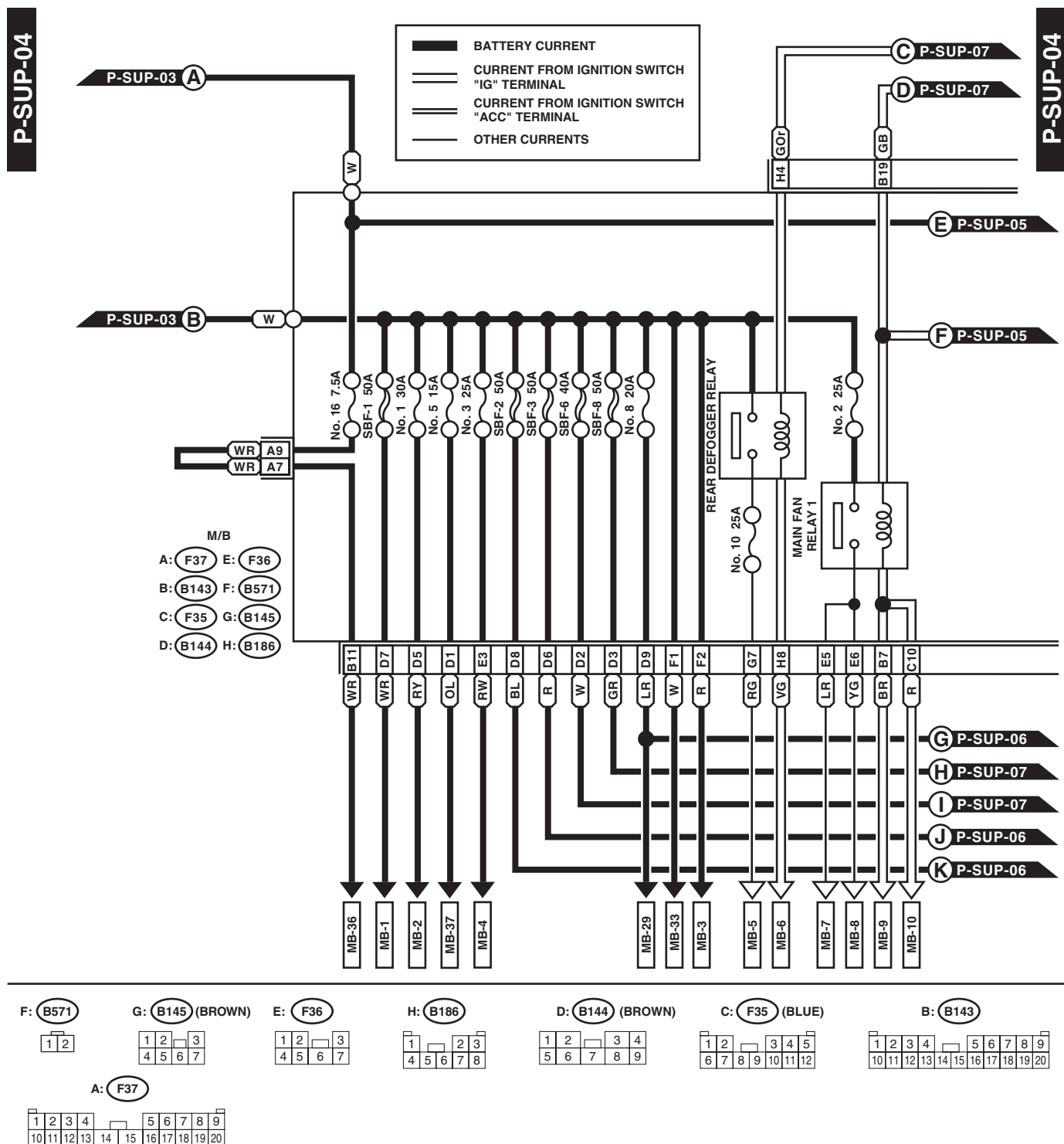
WI-41776

WIRING SYSTEM



Power Supply Circuit

WIRING SYSTEM



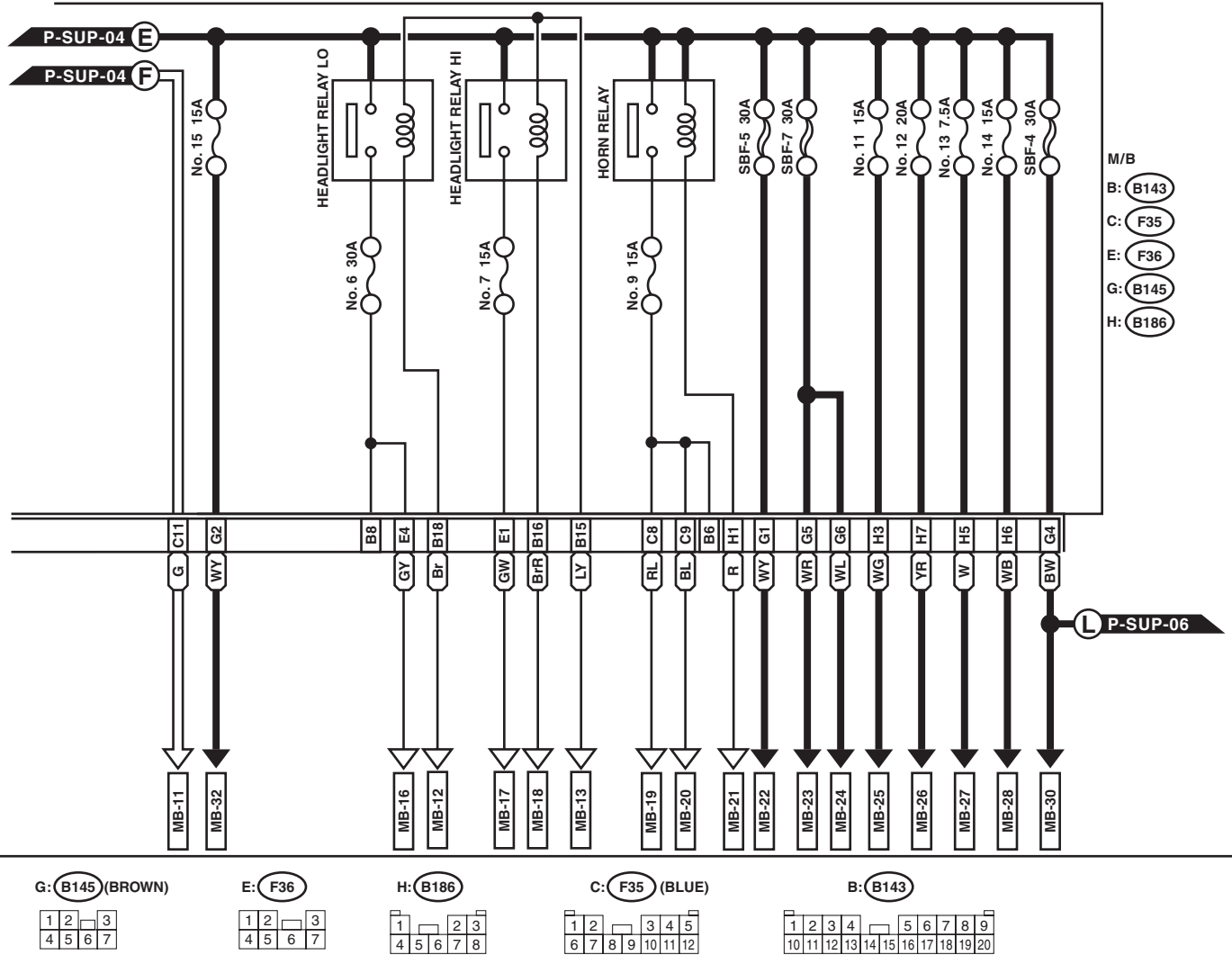
WI-41778

Power Supply Circuit

WIRING SYSTEM

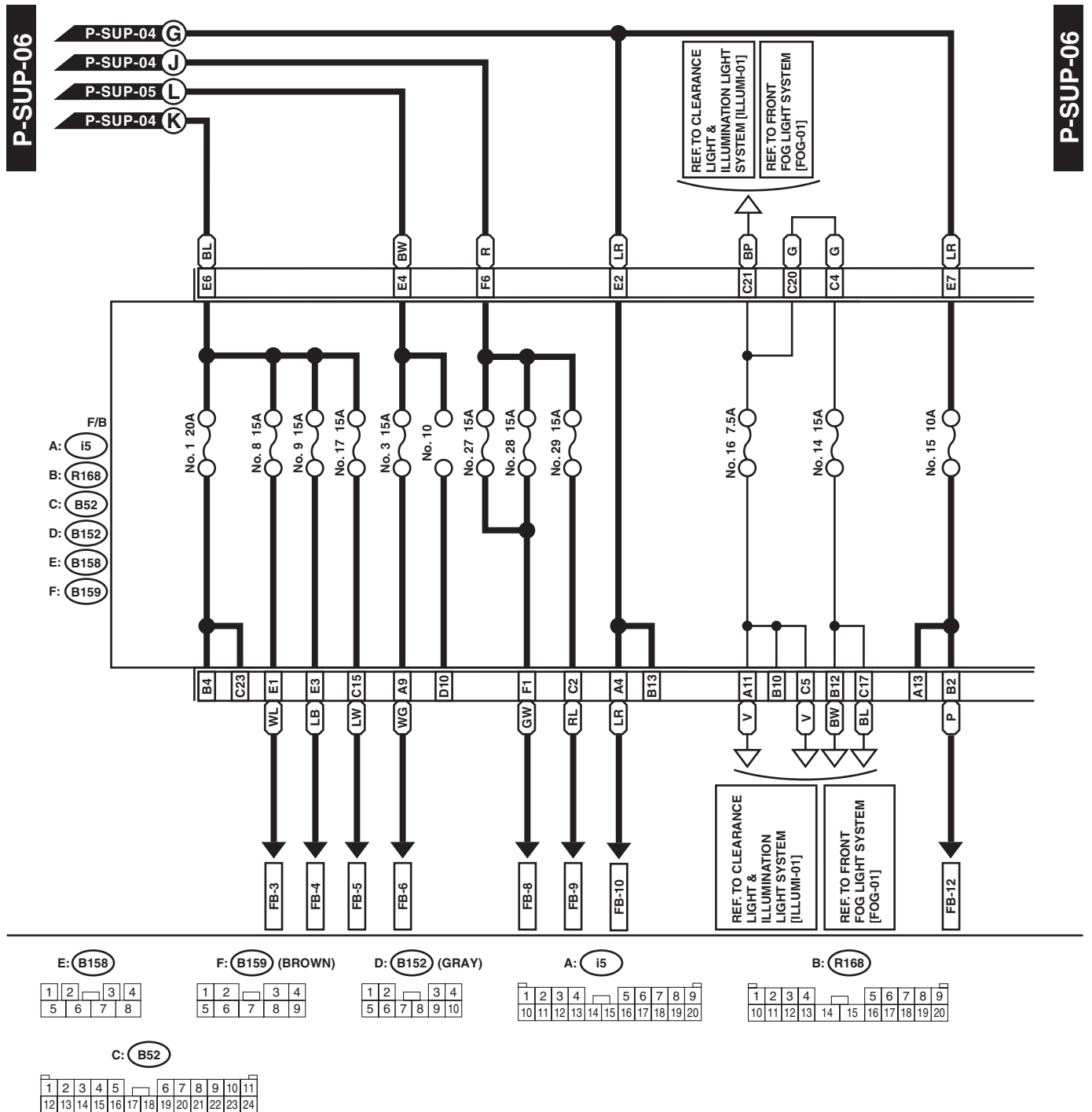
P-SUP-05

P-SUP-05



WI-48059

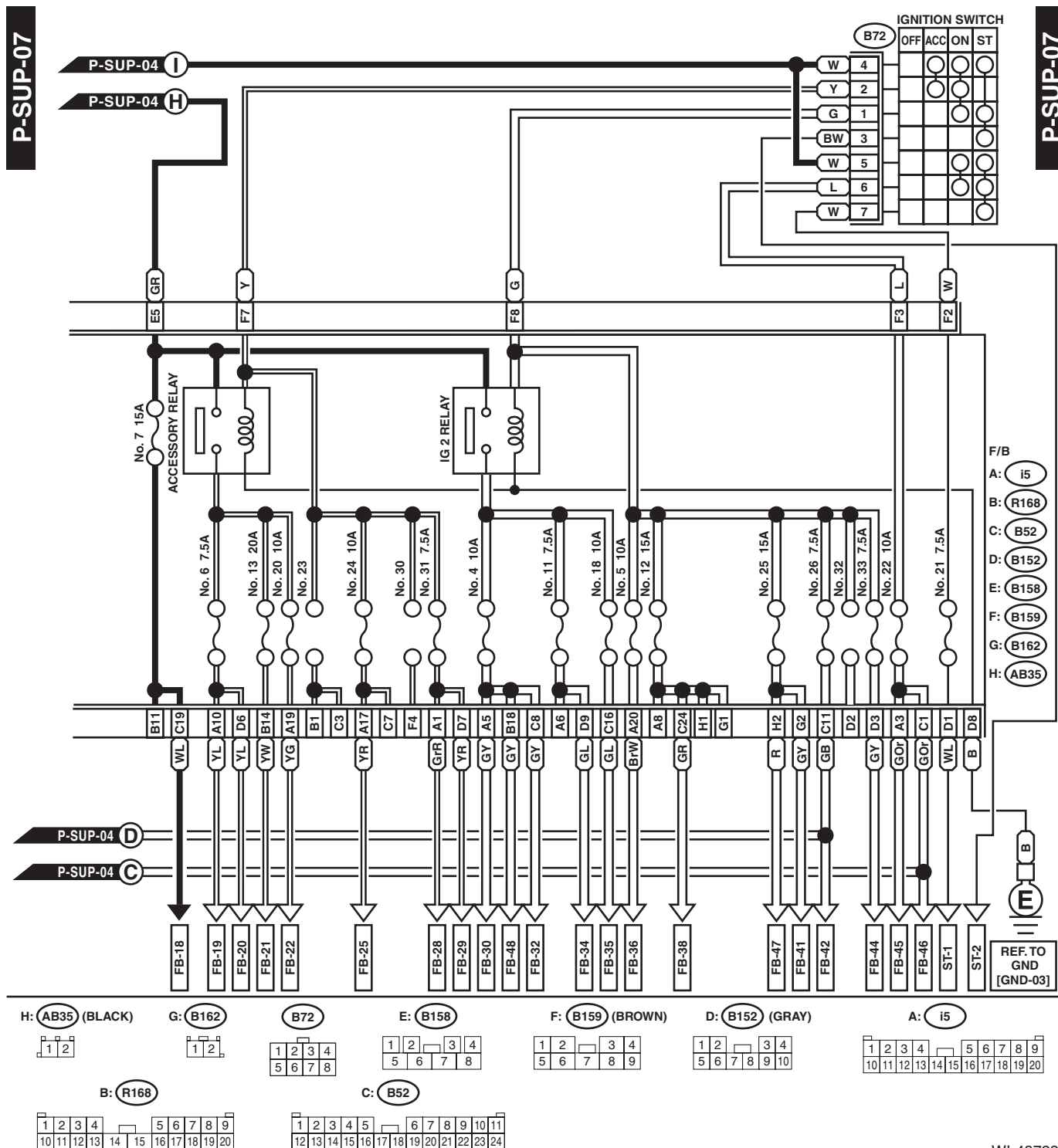
WIRING SYSTEM



WI-48060

Power Supply Circuit

WIRING SYSTEM



WI-48723

Power Supply Circuit

WIRING SYSTEM

No.	Load
MB-1	VDC CM
MB-2	VDC CM
MB-3	Wiper relay
	Brake vacuum pump relay
MB-4	Sub fan relay
MB-5	Mirror heater LH
	Mirror heater RH
	Rear defogger
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-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-32	Tail relay
	Daytime running light relay
MB-33	DMCM relay
	High voltage battery cooling fan/drive motor inverter relay
	High voltage battery
	HPCM
	ISG
MB-36	HPCM

No.	Load
MB-37	Brake vacuum pump relay
ST-1	Starter relay 1
ST-2	Starter relay 1
	HPCM
FB-3	Stop light and brake switch
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
	Luggage room light
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
	Active grille shutter
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	AUX input terminal
	Audio
	Navigation unit
FB-28	A/C control panel
FB-29	Body integrated unit
FB-30	Pedestrian alert CM
FB-32	Impact sensor
	Data link connector
	Stop light and brake switch
	Wiper deicer relay
	Sunroof motor assembly
	Sunroof switch
FB-34	Sunroof switch (tilt)
	Turn signal and hazard unit
FB-35	Back-up light relay
	Auto headlight beam leveler CM

No.	Load
FB-36	Combination meter
	MFD
	HPCM
FB-38	HPCM
	DMCM
	High voltage battery
	Electric oil pump inverter
	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	12V engine restart battery sensor
BAT-2	Power steering CM
BAT-3	DC/DC converter

Power Supply Circuit

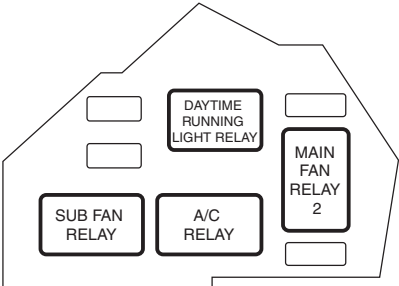
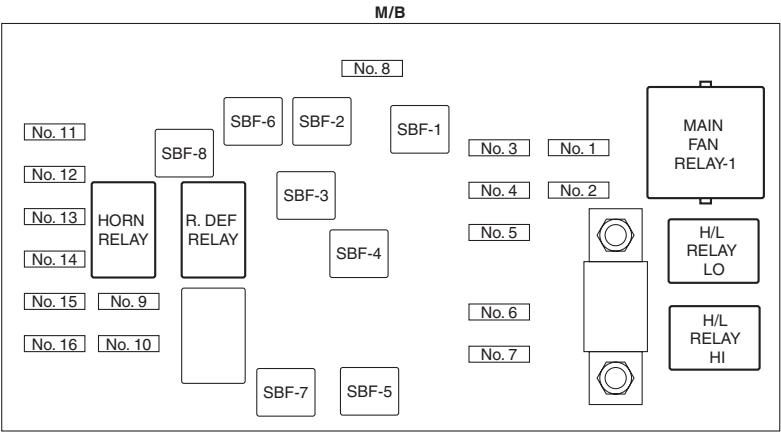
WIRING SYSTEM

2. WITH PUSH BUTTON START

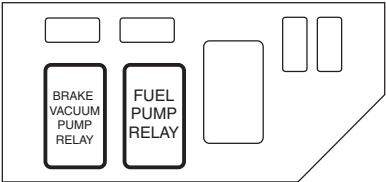
- Engine room side

P-SUP(P)-01

P-SUP(P)-01



RELAY HOLDER

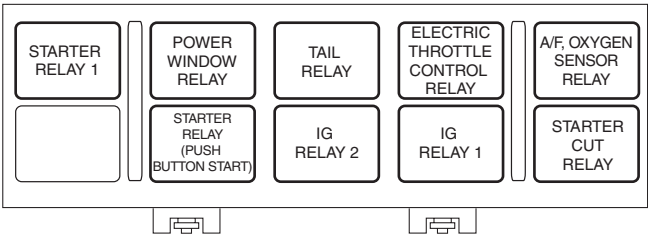
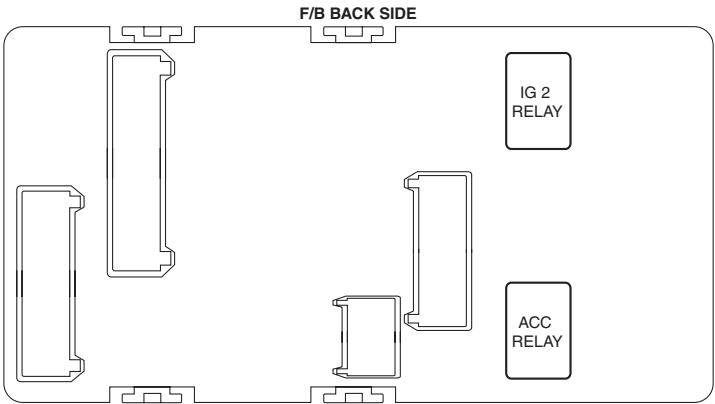
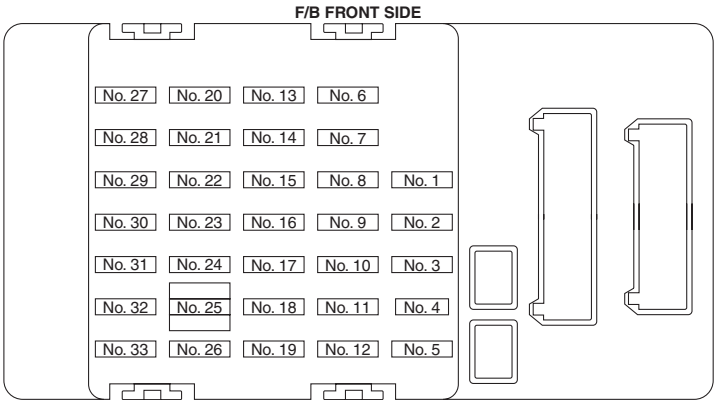


RELAY HOLDER

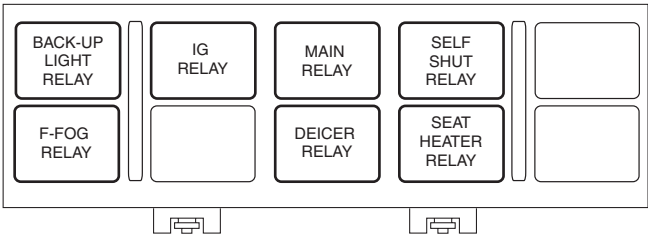
- Passenger room side

P-SUP(P)-02

P-SUP(P)-02



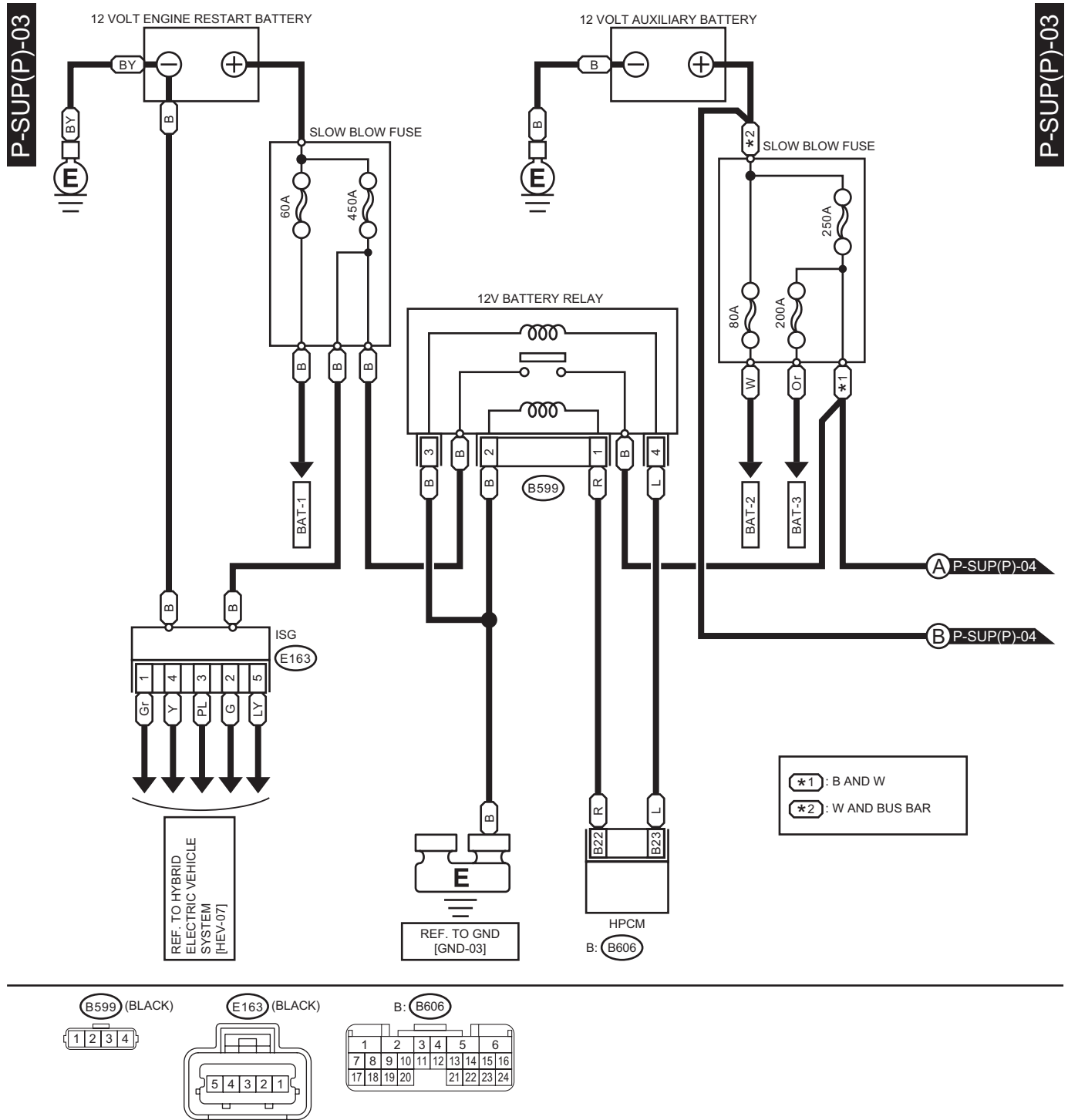
RELAY HOLDER



RELAY HOLDER

WI-41783

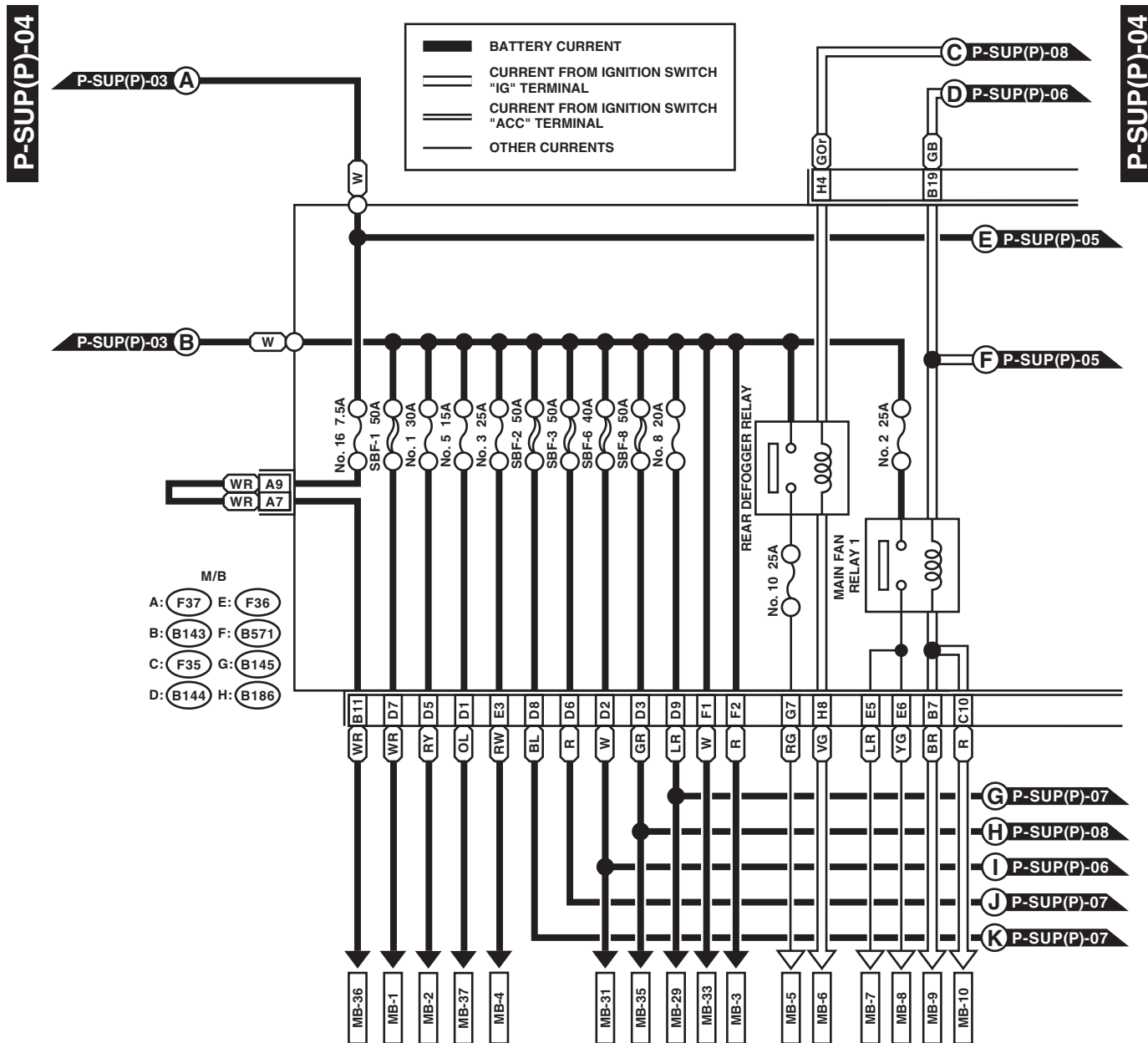
WIRING SYSTEM



WI-61949

Power Supply Circuit

WIRING SYSTEM



F: B571	G: B145 (BROWN)	E: F36	H: B186	D: B144 (BROWN)	C: F35 (BLUE)	B: B143
1 2	1 2 3 4 5 6 7	1 2 3 4 5 6 7	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8 9	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
A: F37						
1 2 3 4 10 11 12 13 14 15 16 17 18 19 20						

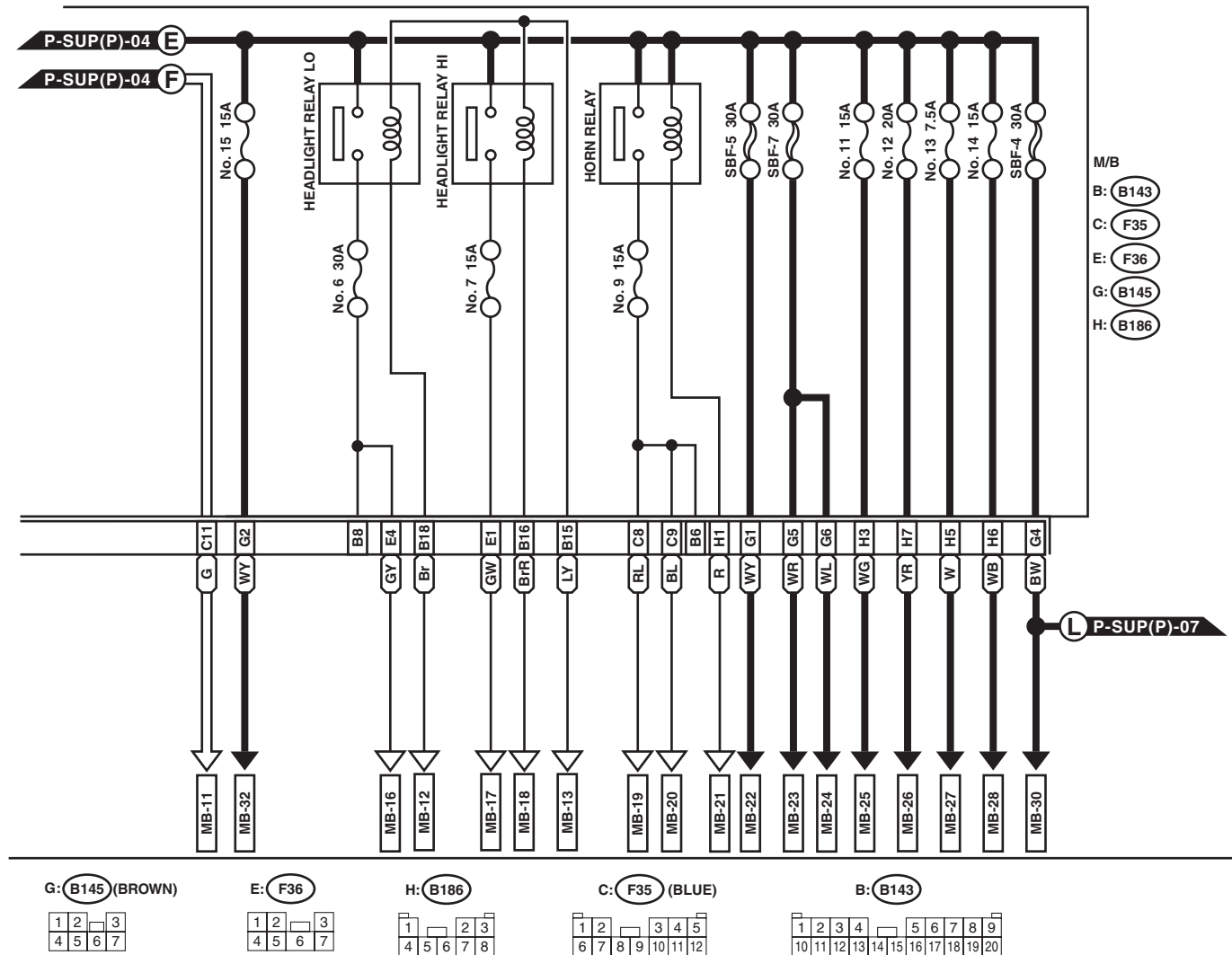
WI-41785

Power Supply Circuit

WIRING SYSTEM

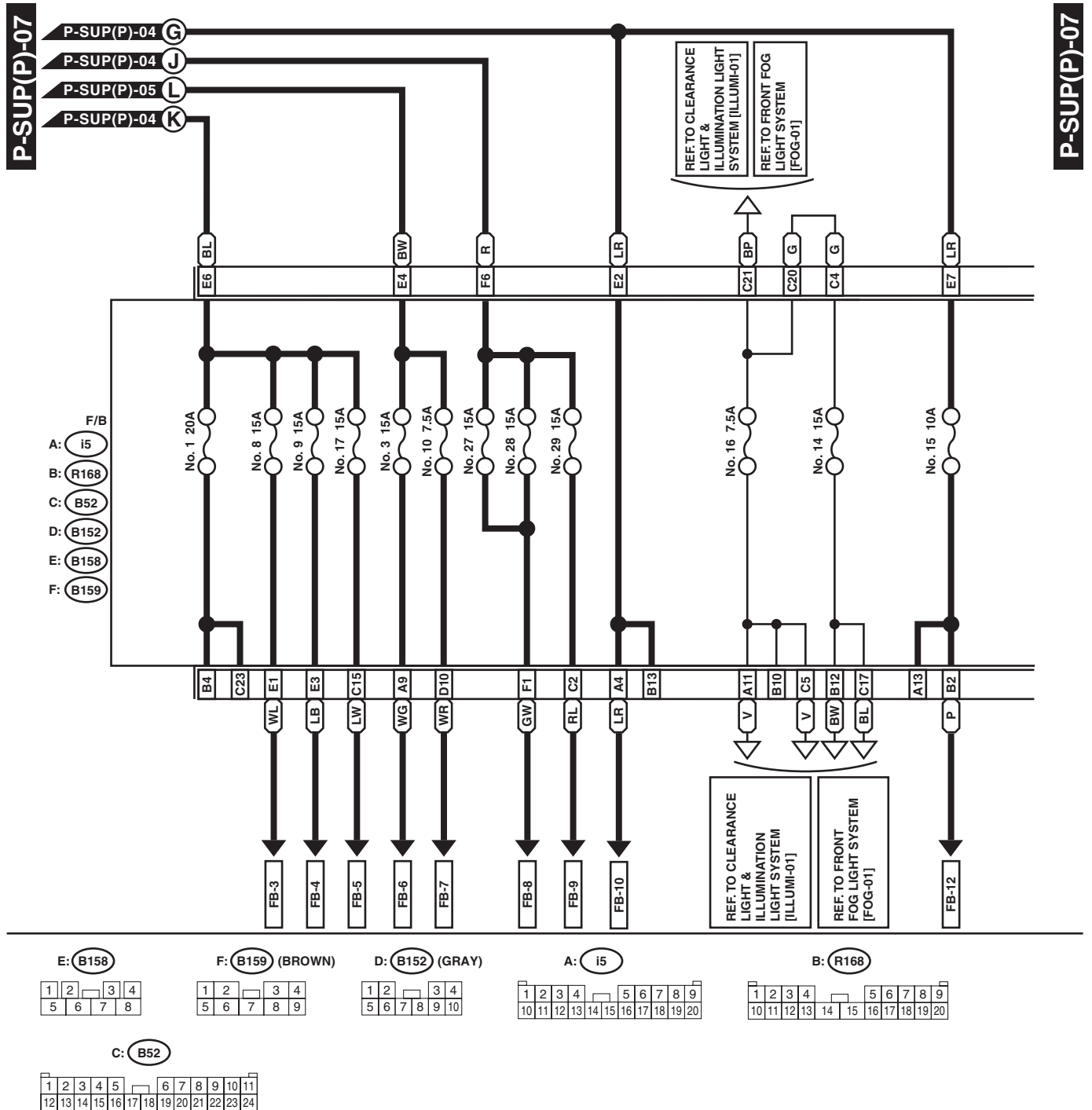
P-SUP(P)-05

P-SUP(P)-05



WI-48061

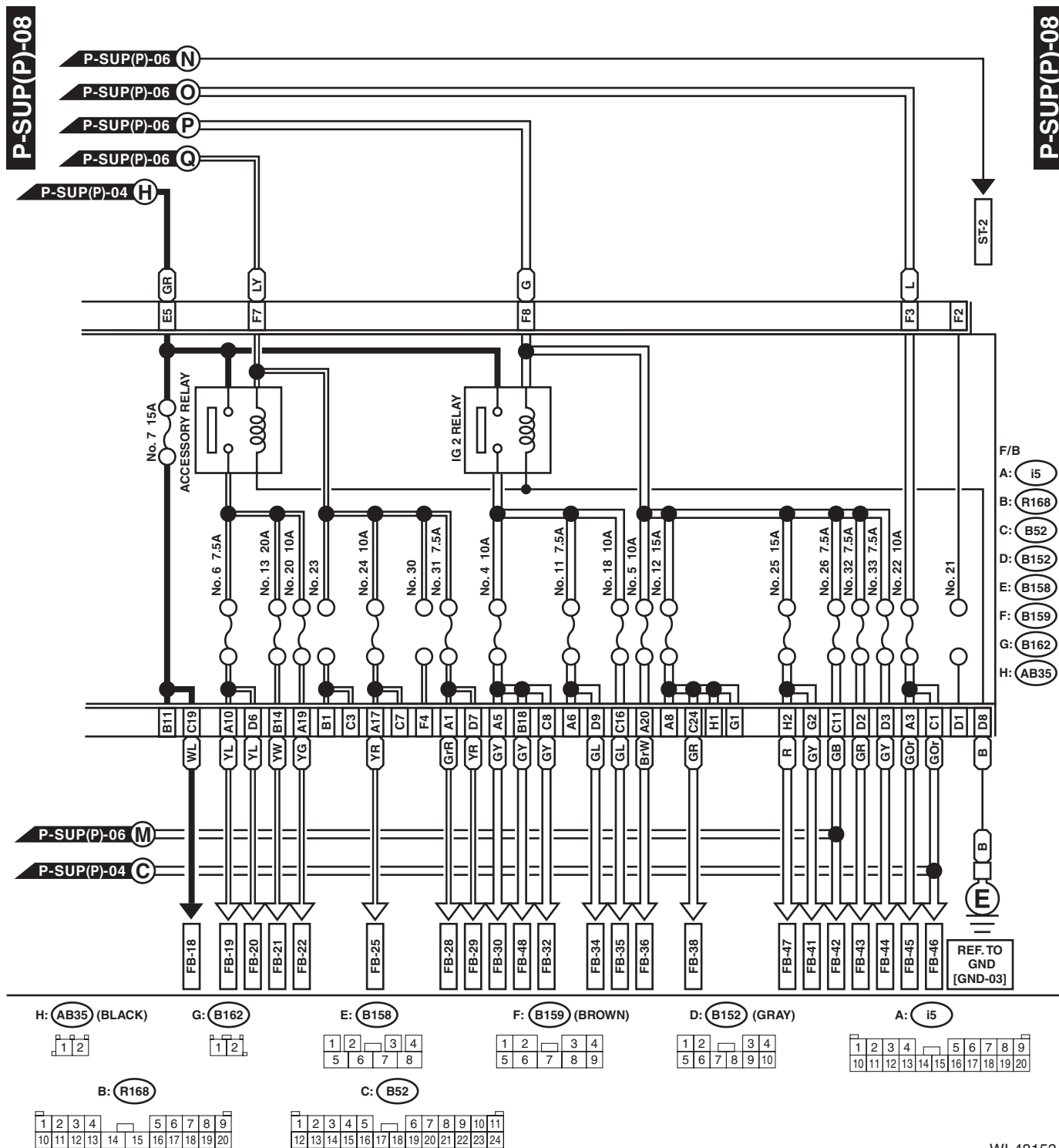
WIRING SYSTEM



WI-48063

Power Supply Circuit

WIRING SYSTEM



WI-48153

Power Supply Circuit

WIRING SYSTEM

No.	Load
MB-1	VDC CM
MB-2	VDC CM
MB-3	Wiper relay
	Brake vacuum pump relay
MB-4	Sub fan relay
MB-5	Mirror heater LH
	Mirror heater RH
	Rear defogger
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-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	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	IG relay 1 (push button start)
	IG relay 2 (push button start)
	Accessory relay (push button start)
MB-32	Tail relay
	Daytime running light relay

No.	Load
MB-33	DMCM relay
	High voltage battery cooling fan / drive motor inverter relay
	High voltage battery
	HPCM
	ISG
MB-35	ID code box
	Keyless access CM
MB-36	HPCM
MB-37	Brake vacuum pump relay
ST-2	Starter relay 1
FB-3	Stop light and brake switch
FB-4	Wiper deicer relay
FB-5	Seat heater relay
FB-6	Body integrated unit
FB-7	Remote engine start CM
FB-8	Blower motor relay
FB-9	Front fog light relay
FB-10	Audio
	MFD
	Navigation unit
FB-12	Keyless entry CM
	Luggage room light
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)
	Steering lock CM
	A/C control panel
	Active grille shutter
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	AUX input terminal
	Audio
	Navigation unit
FB-28	A/C control panel
FB-29	Body integrated unit
FB-30	Pedestrian alert CM

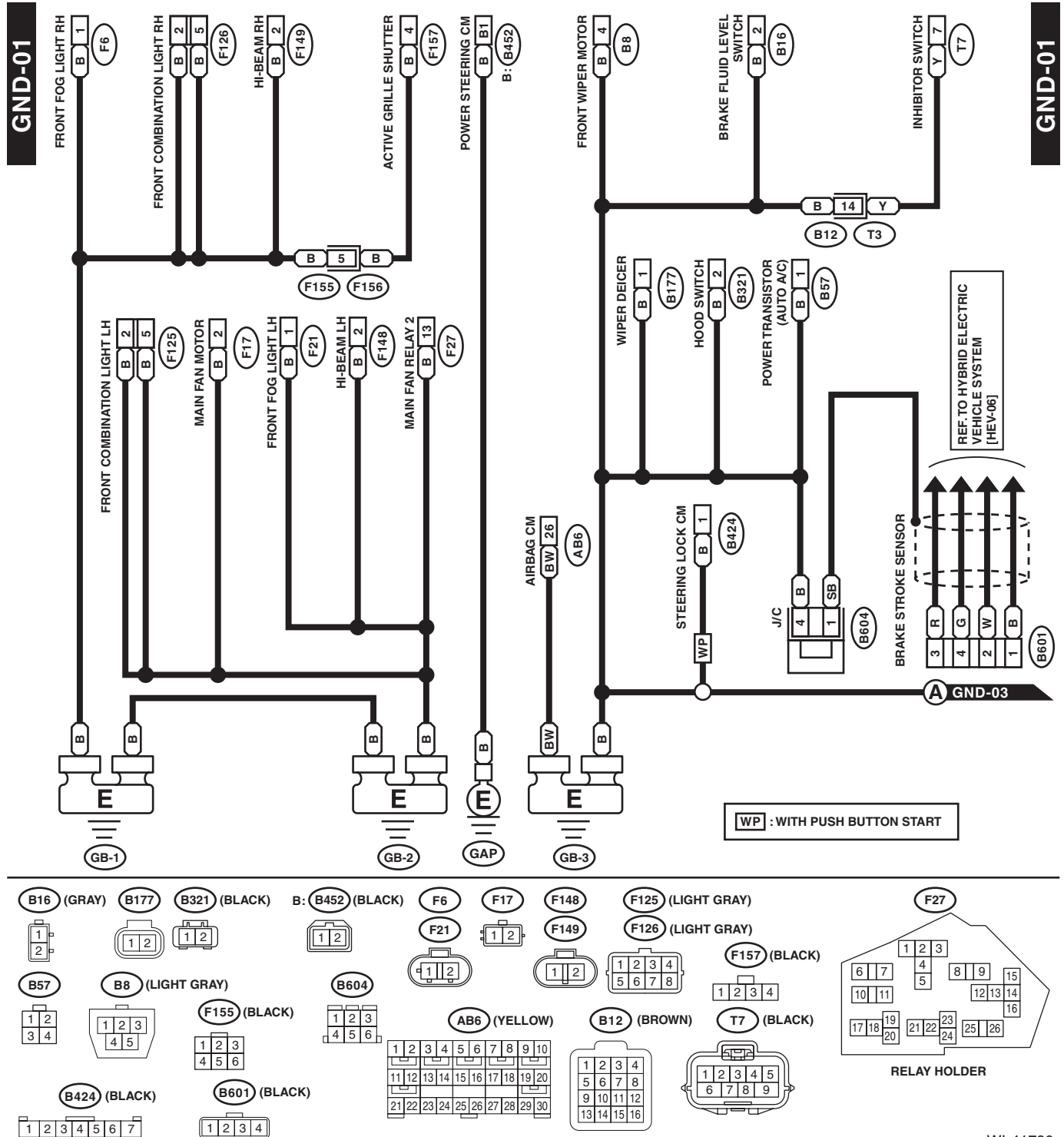
No.	Load
FB-32	Remote engine start CM
	Impact sensor
	Data link connector
	Stop light and brake switch
	Wiper deicer relay
	Sunroof motor assembly
	Sunroof switch
	Sunroof switch (tilt)
FB-34	Turn signal and hazard unit
FB-35	Back-up light relay
	Auto headlight beam leveler CM
FB-36	Combination meter
	MFD
	HPCM
FB-38	HPCM
	DMCM
	High voltage battery
	Electric oil pump inverter
	Keyless access CM
	ECM
	TCM
	Body integrated unit
	Fuel pump relay
FB-41	Airbag CM
FB-42	Power window relay
	Wiper relay
FB-43	Steering lock CM
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 CM
BAT-1	12V engine restart battery sensor
BAT-2	Power steering CM
BAT-3	DC/DC converter

Ground Circuit

WIRING SYSTEM

4. Ground Circuit

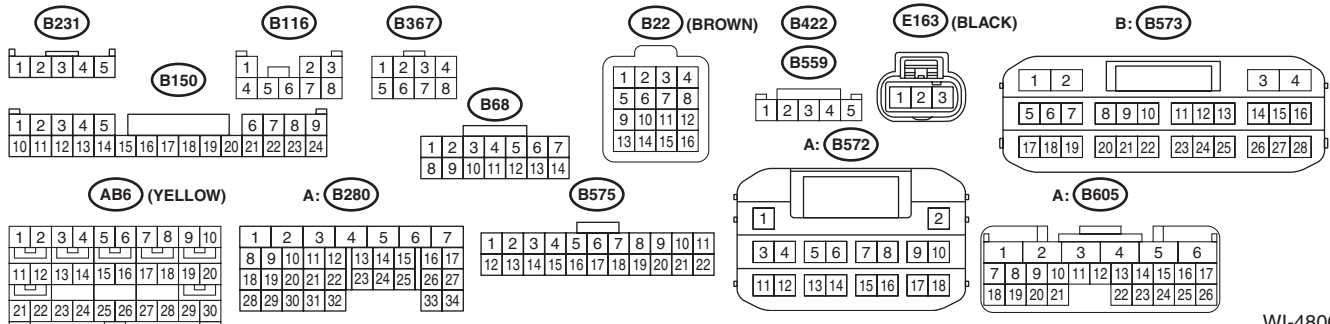
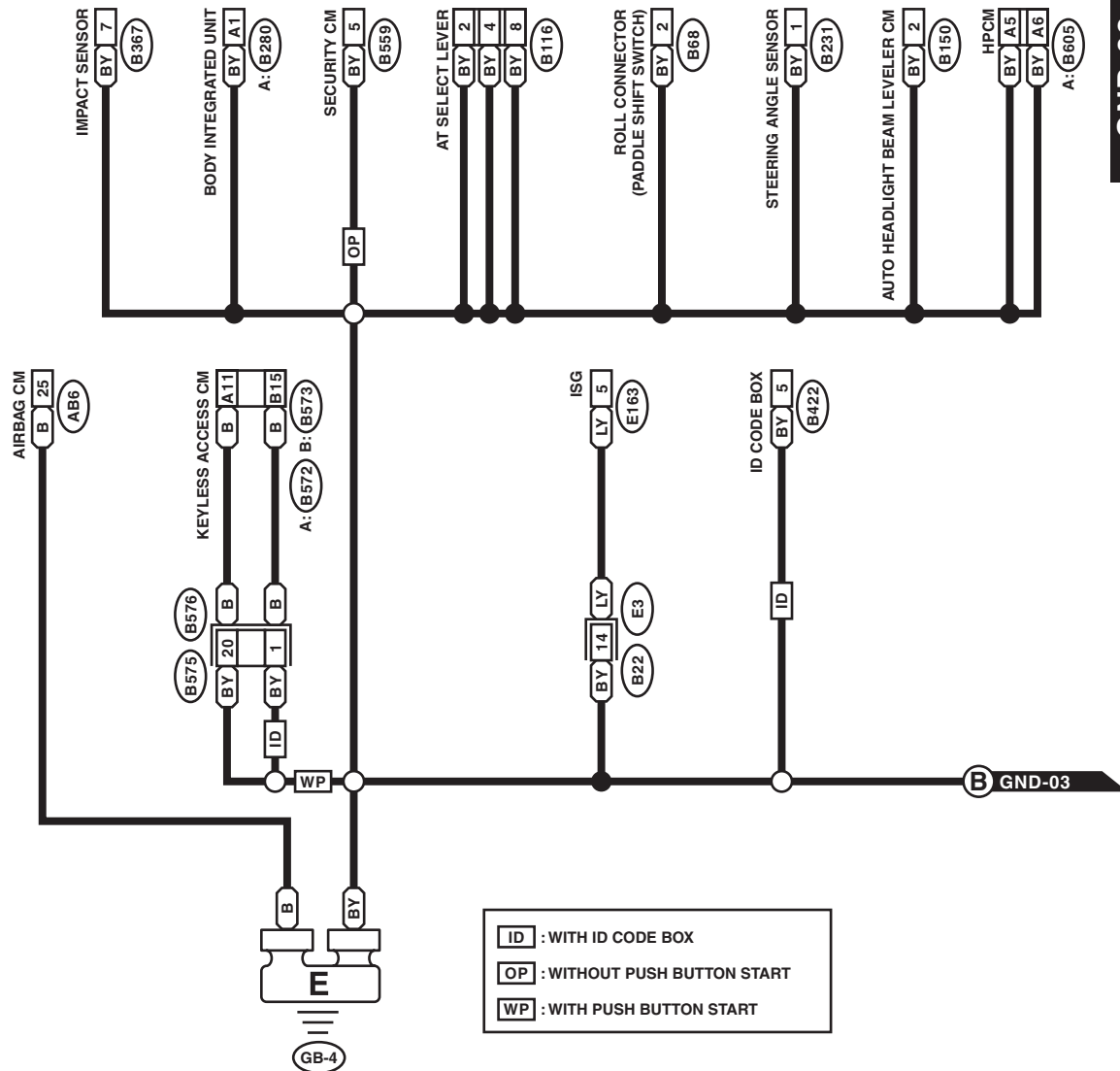
A: WIRING DIAGRAM



WI-41790

GND-02

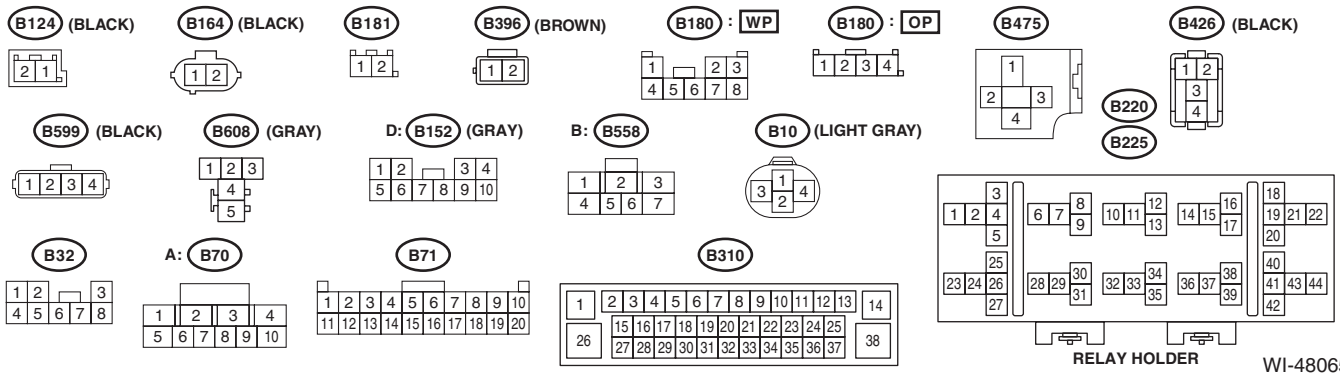
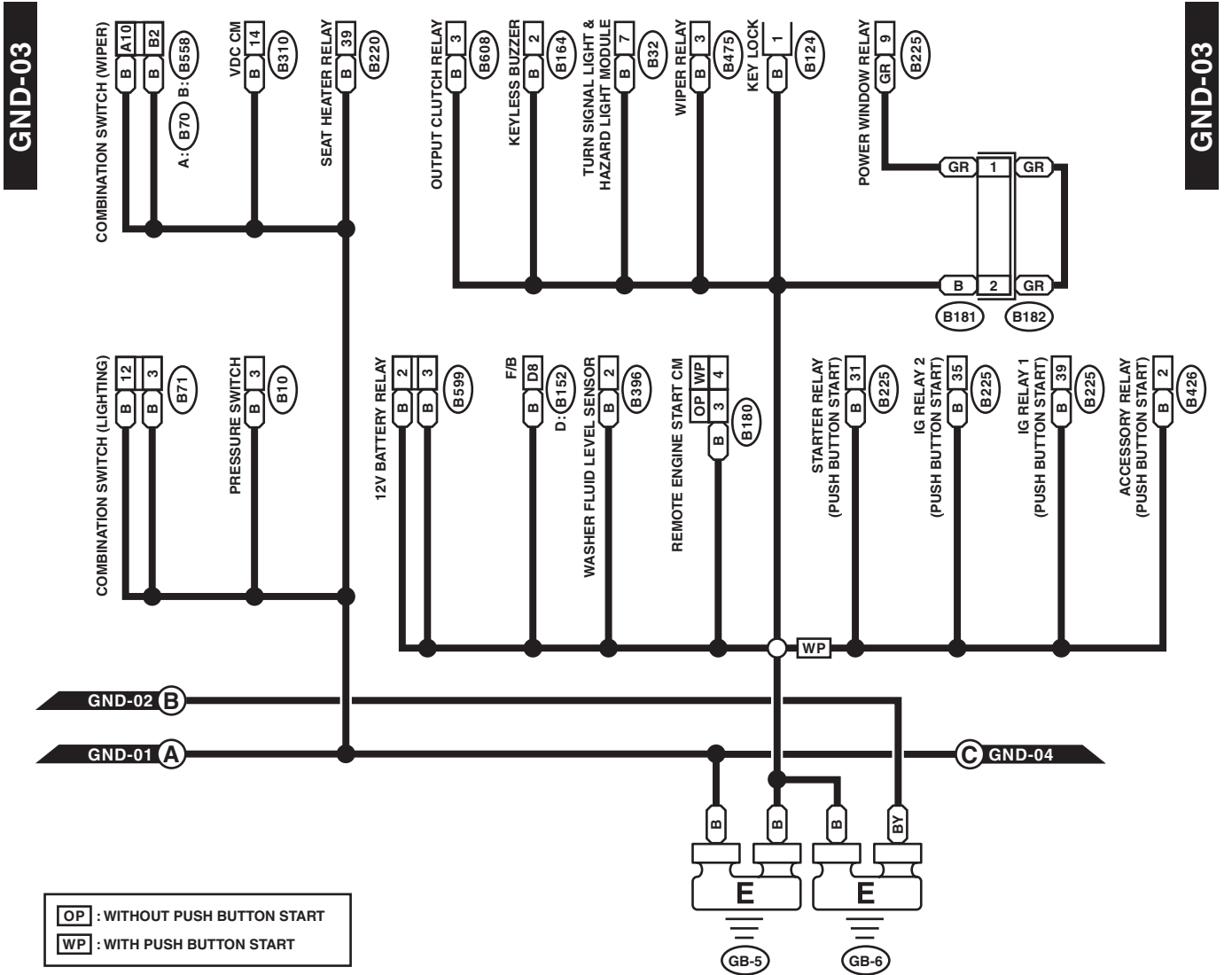
GND-02



WI-48064

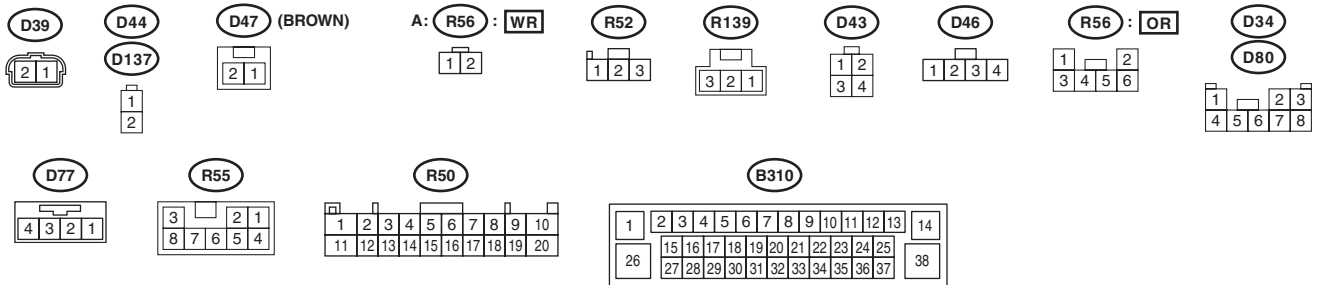
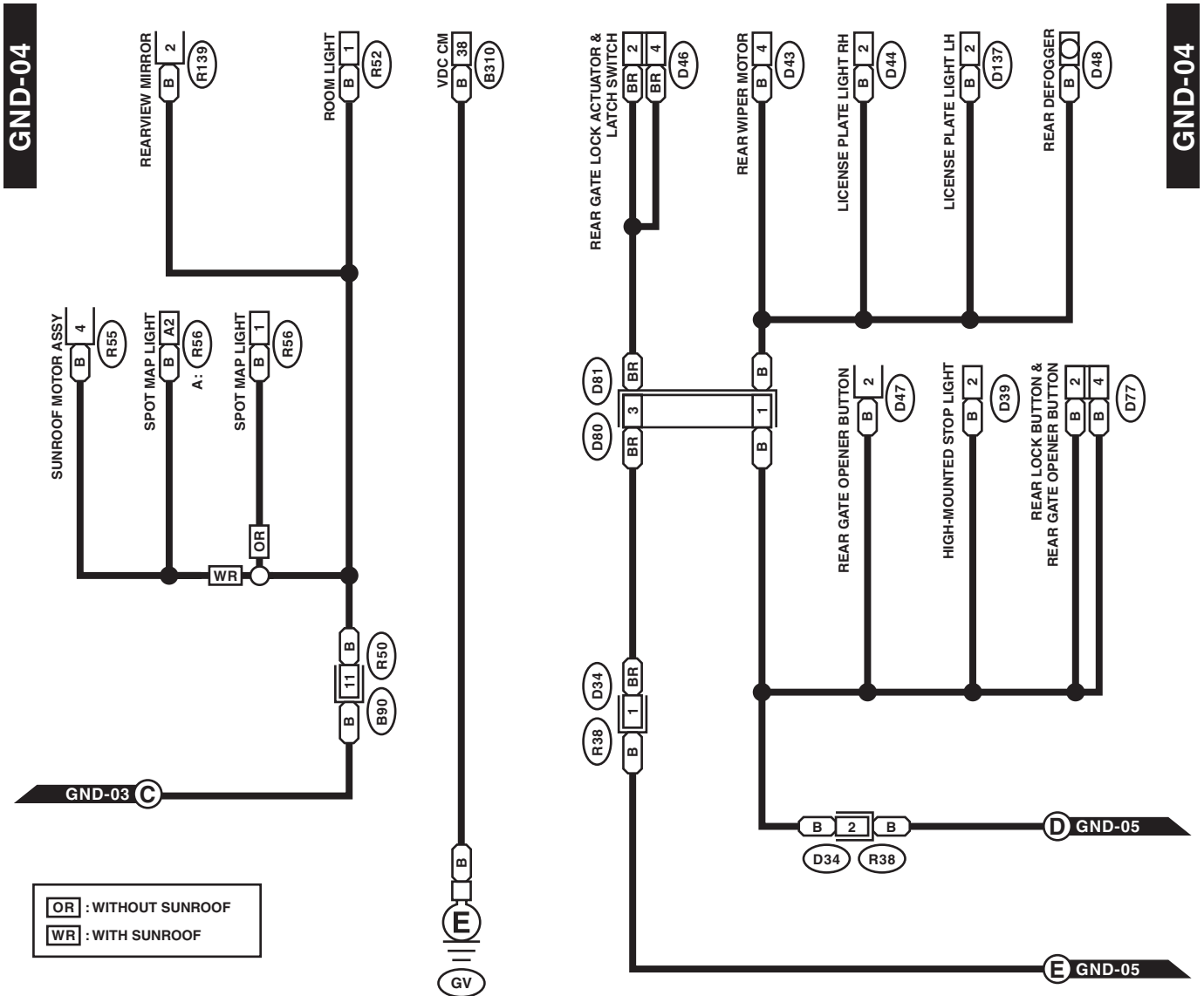
Ground Circuit

WIRING SYSTEM



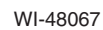
Ground Circuit

WIRING SYSTEM



WI-48066

WIRING SYSTEM

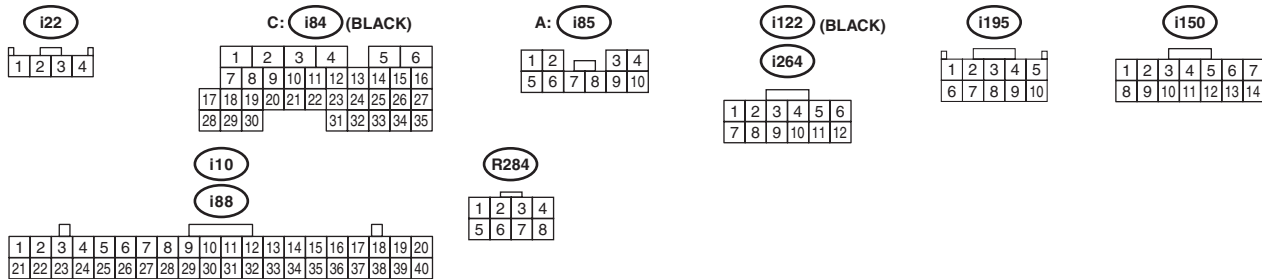
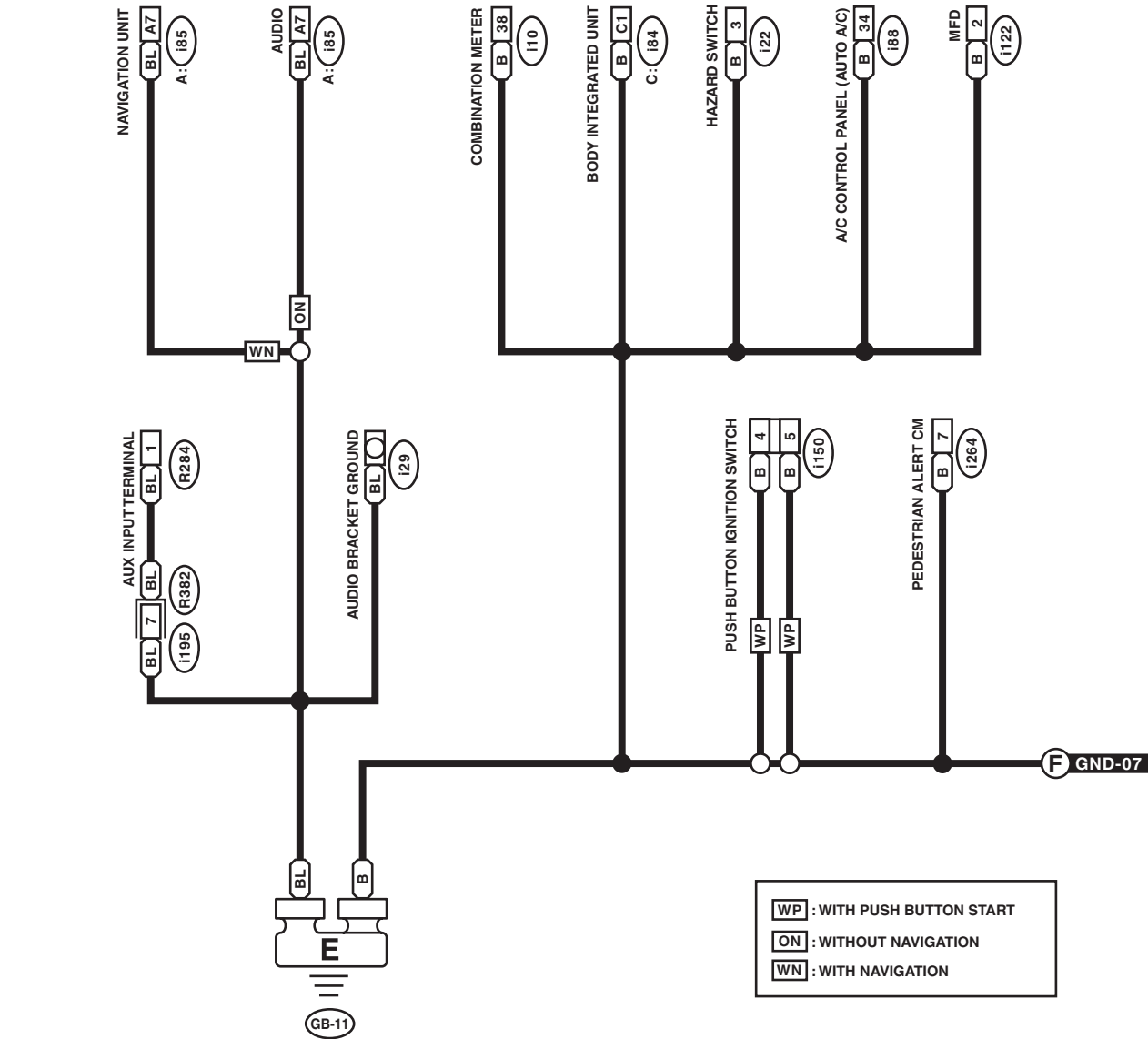


Ground Circuit

WIRING SYSTEM

GND-06

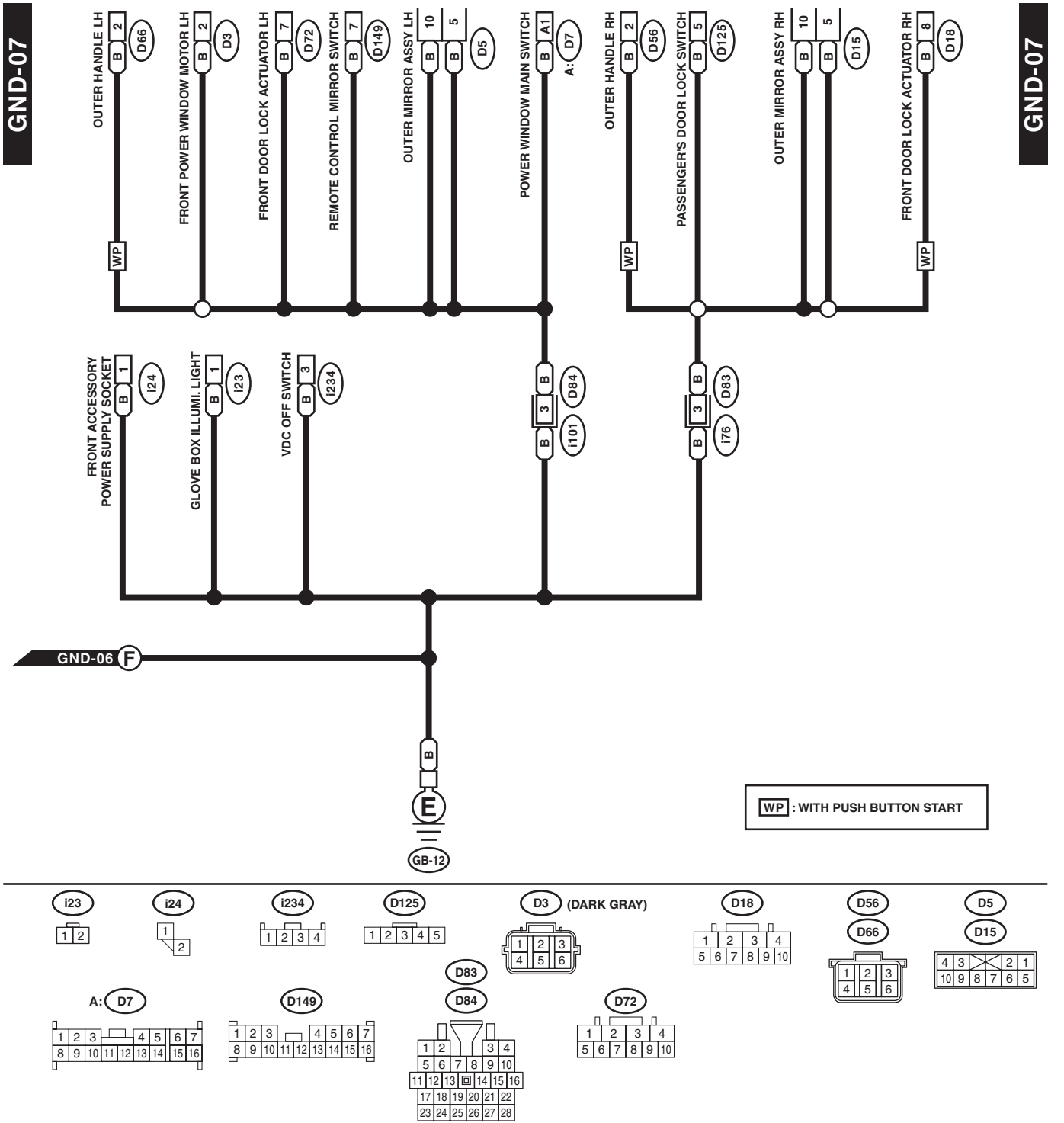
GND-06



WI-48068

Ground Circuit

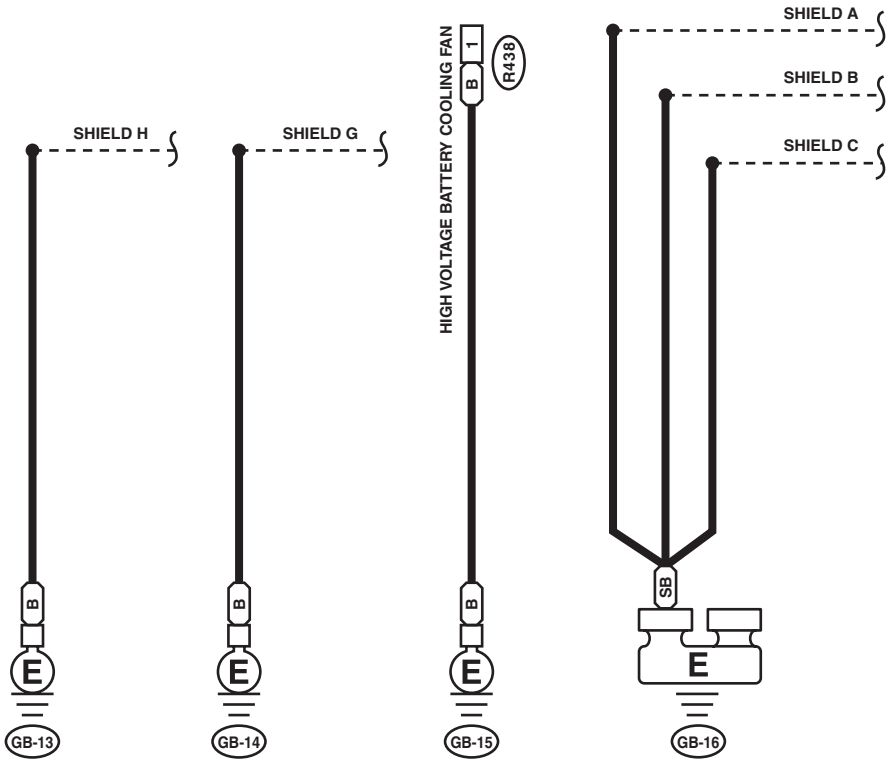
WIRING SYSTEM



WI-48154

GND-08

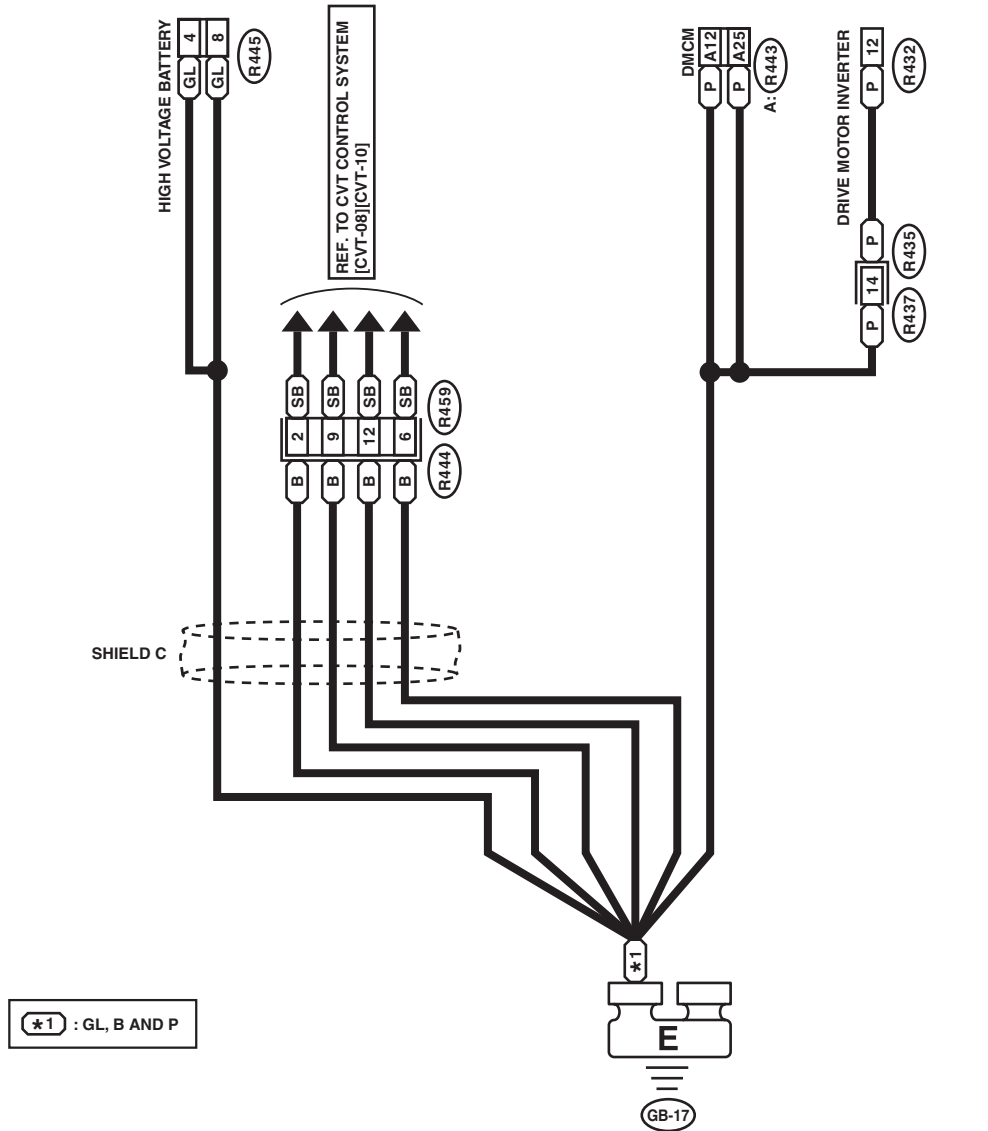
GND-08



Ground Circuit

WIRING SYSTEM

GND-09



GND-09

1	2	3	4
5	6	7	8

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

R437 (BLACK)

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

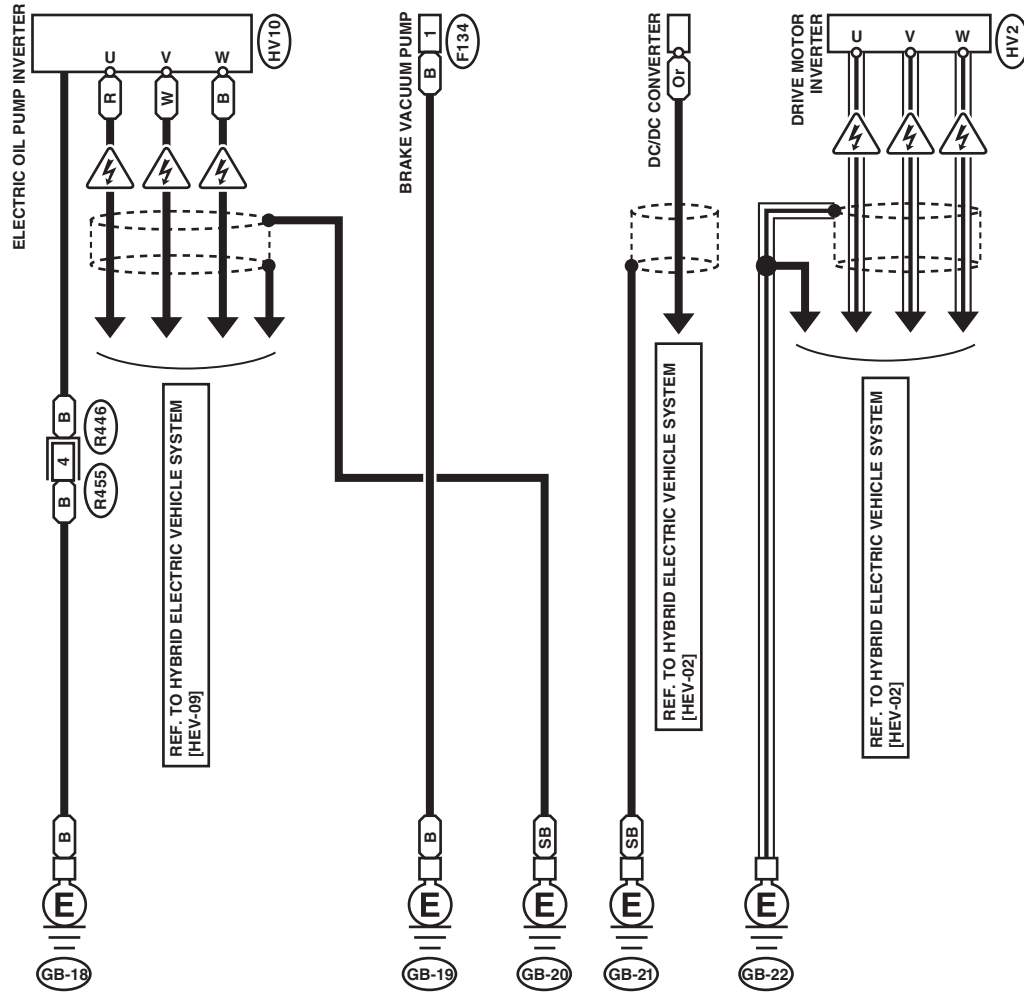
1	2	3	4	5	6
7	8	9	10	11	12

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

WI-41798

GND-10

GND-10



F134 (DARK GRAY)

R455



Active Grille Shutter

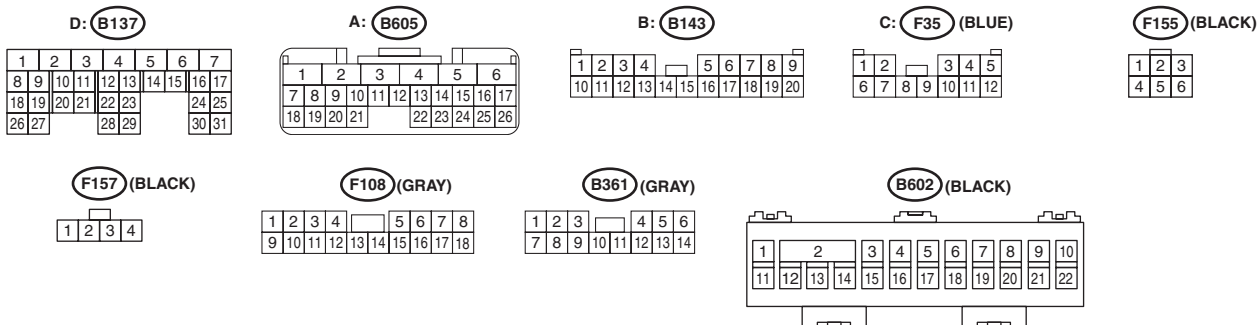
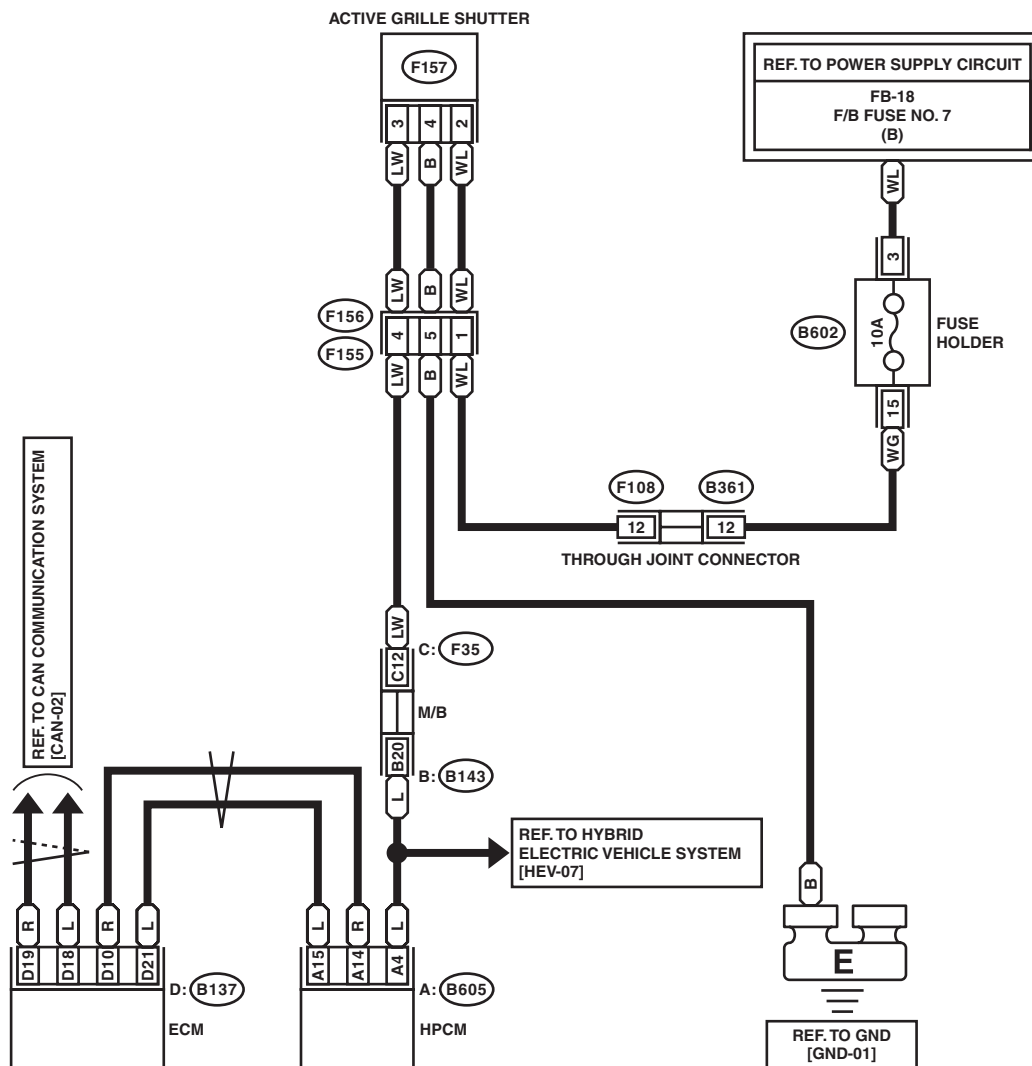
WIRING SYSTEM

5. Active Grille Shutter

A: WIRING DIAGRAM

ACTGS-01

ACTGS-01



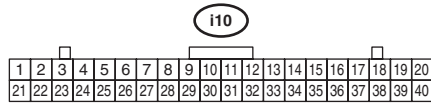
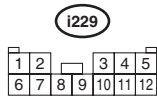
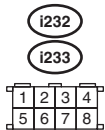
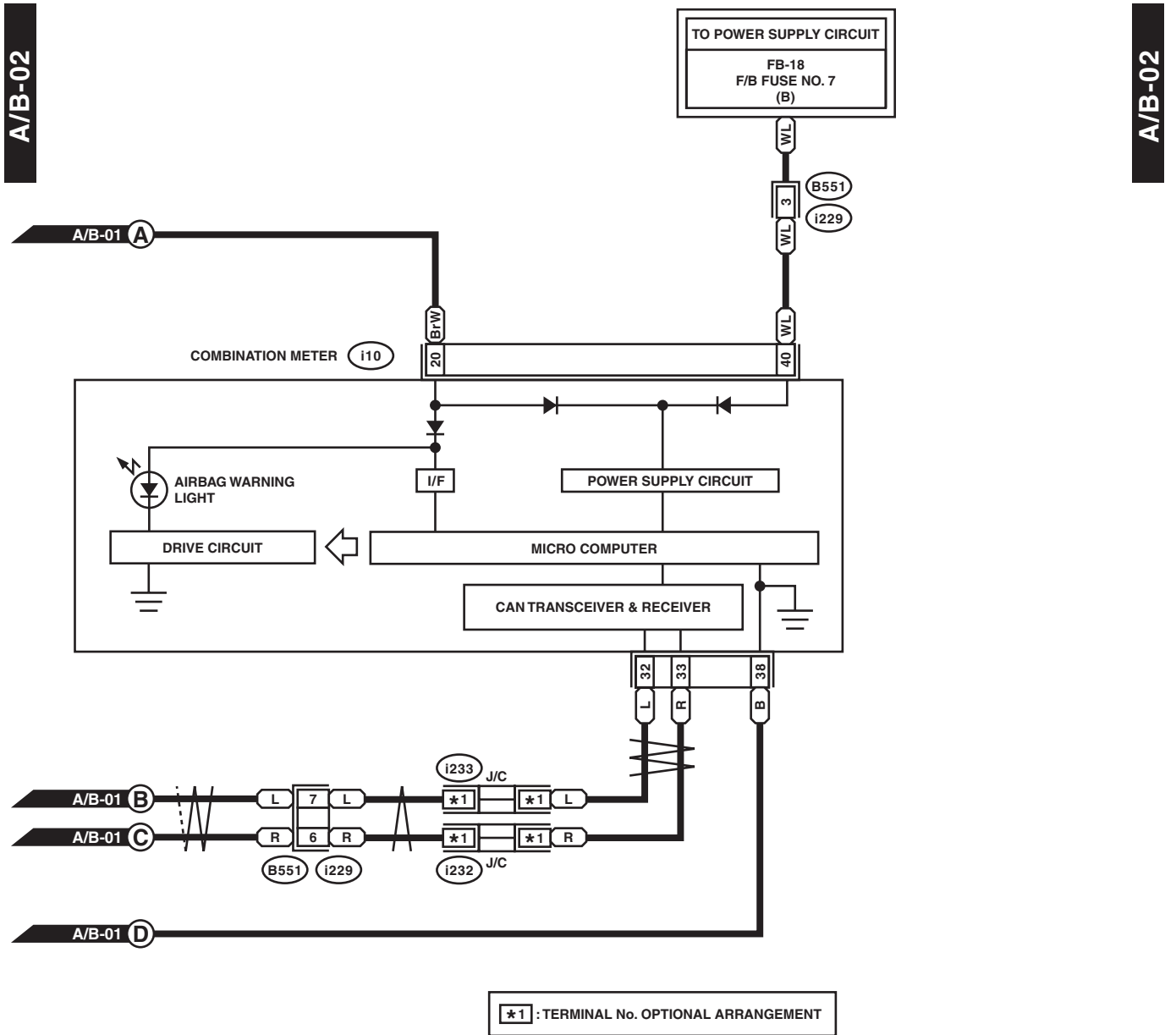
WI-48155

A: WIRING DIAGRAM



Airbag System

WIRING SYSTEM



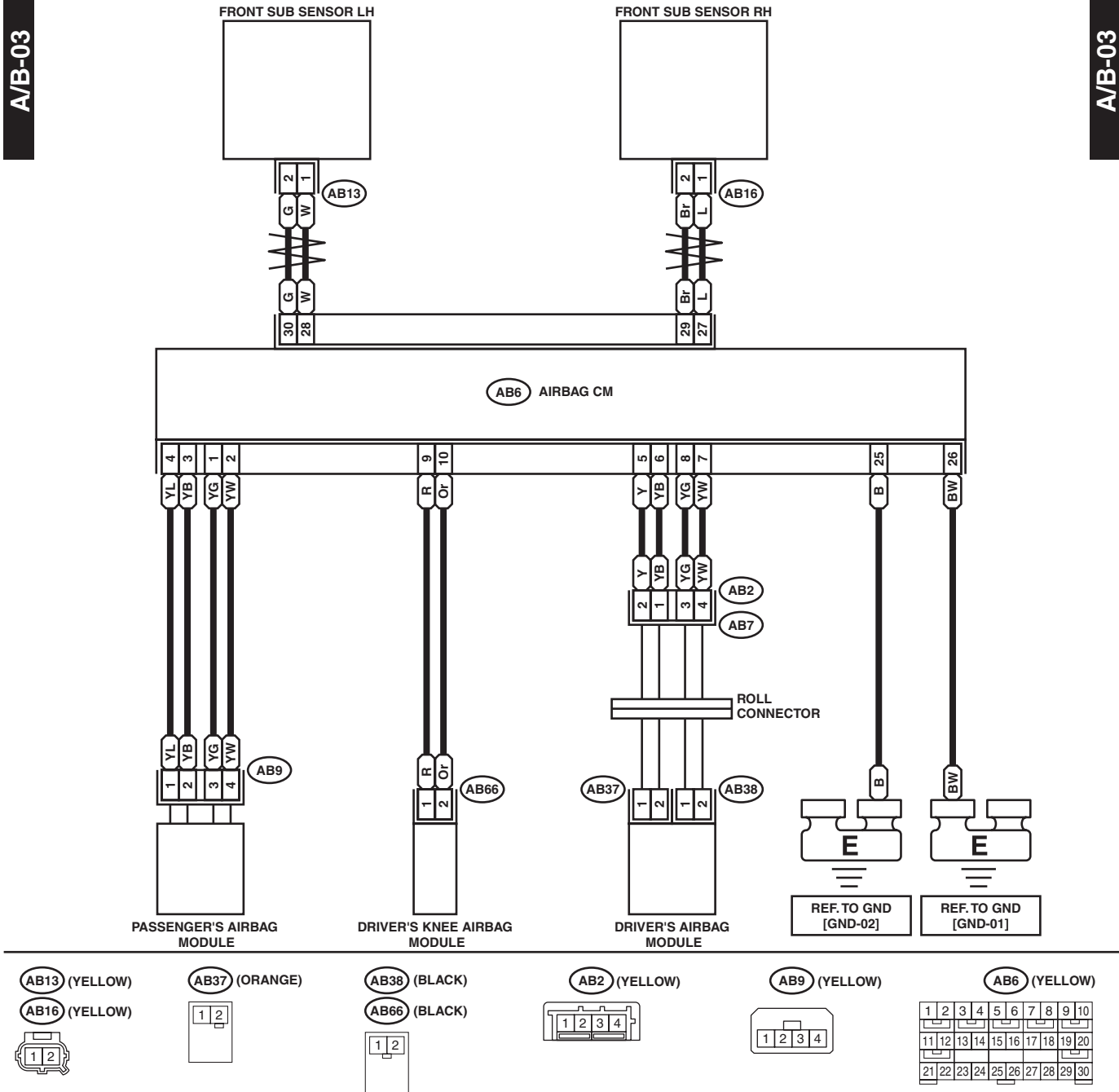
WI-41801

Airbag System

WIRING SYSTEM

A/B-03

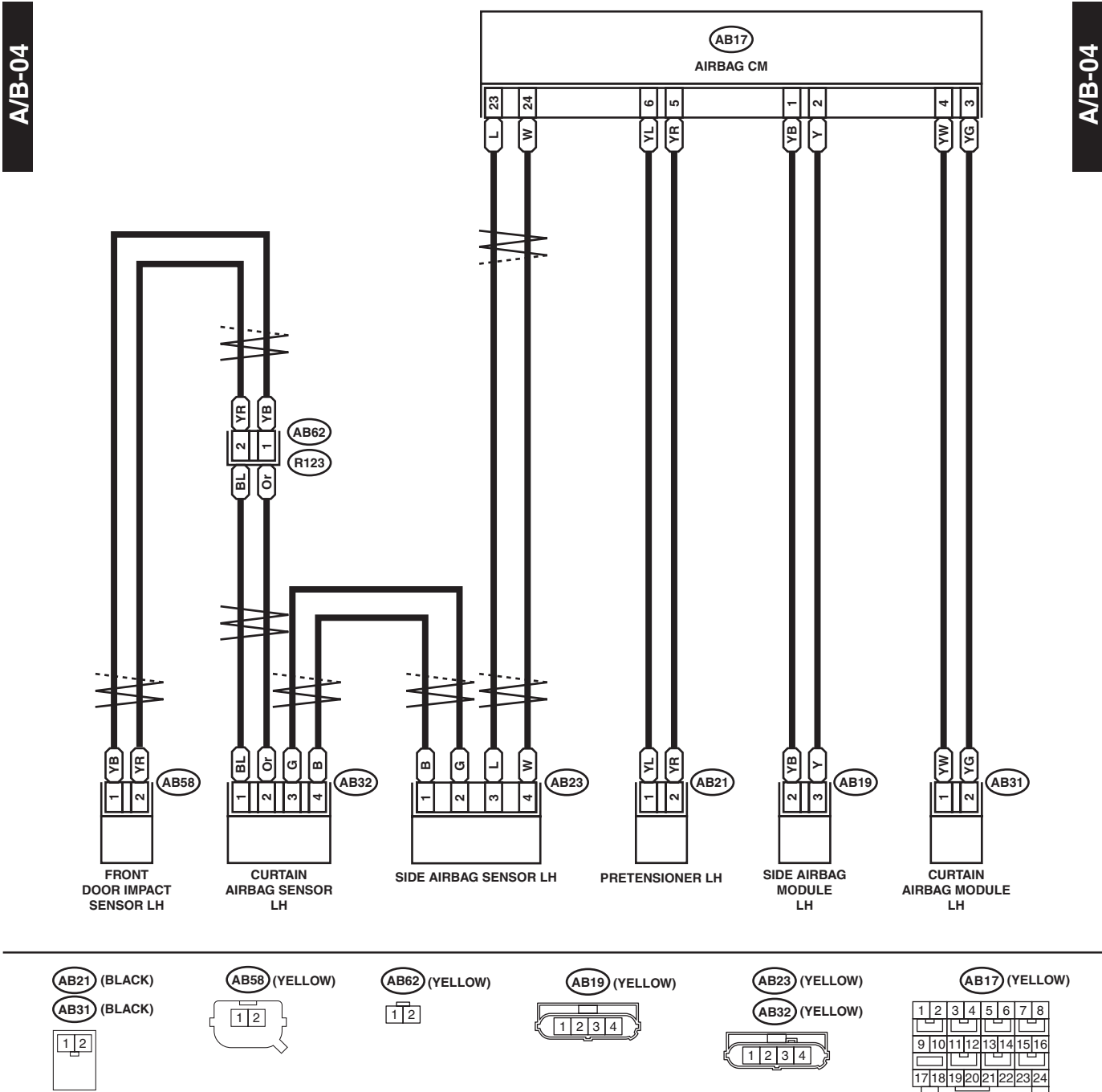
A/B-03



WI-48156

Airbag System

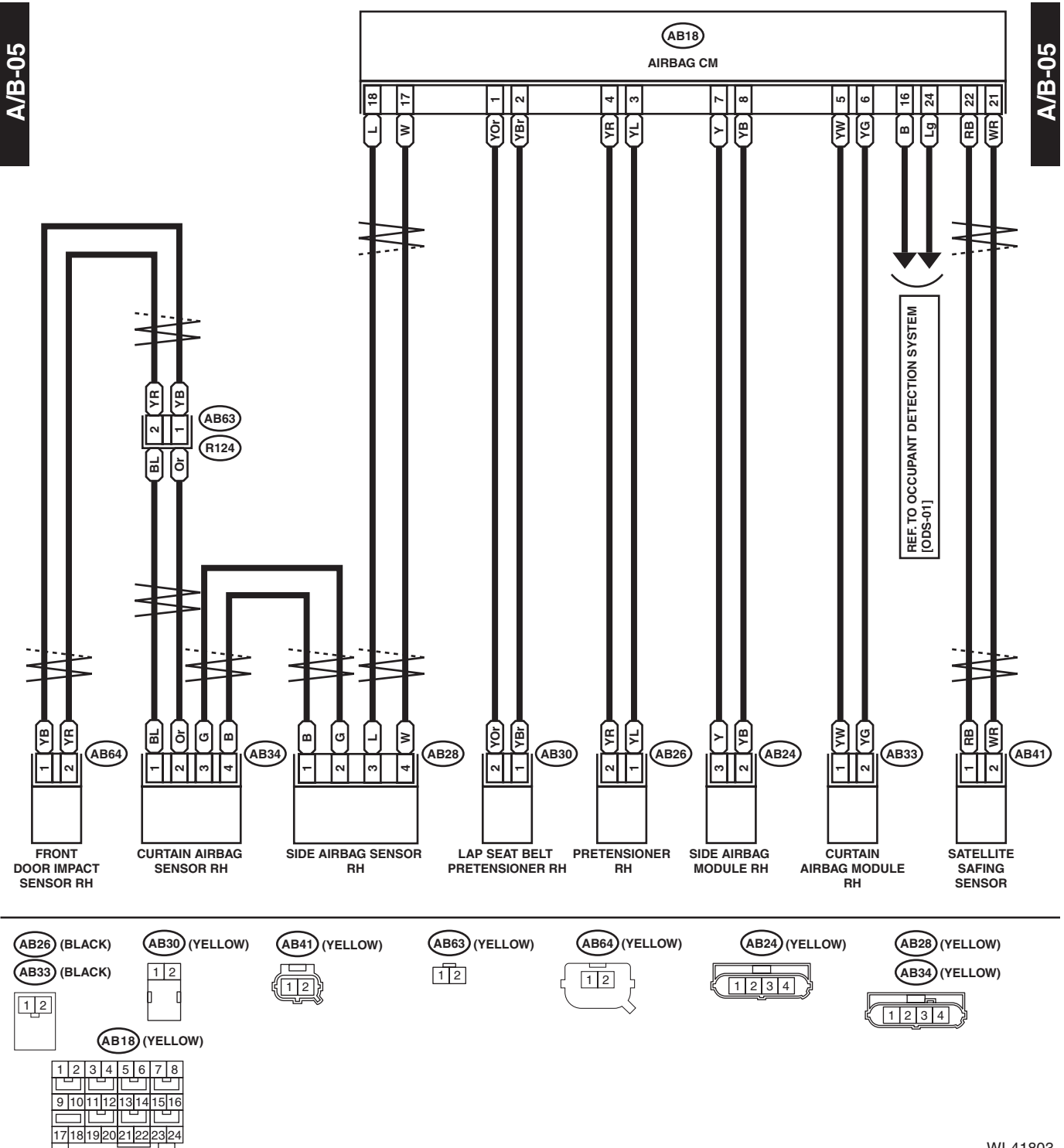
WIRING SYSTEM



WI-41802

Airbag System

WIRING SYSTEM



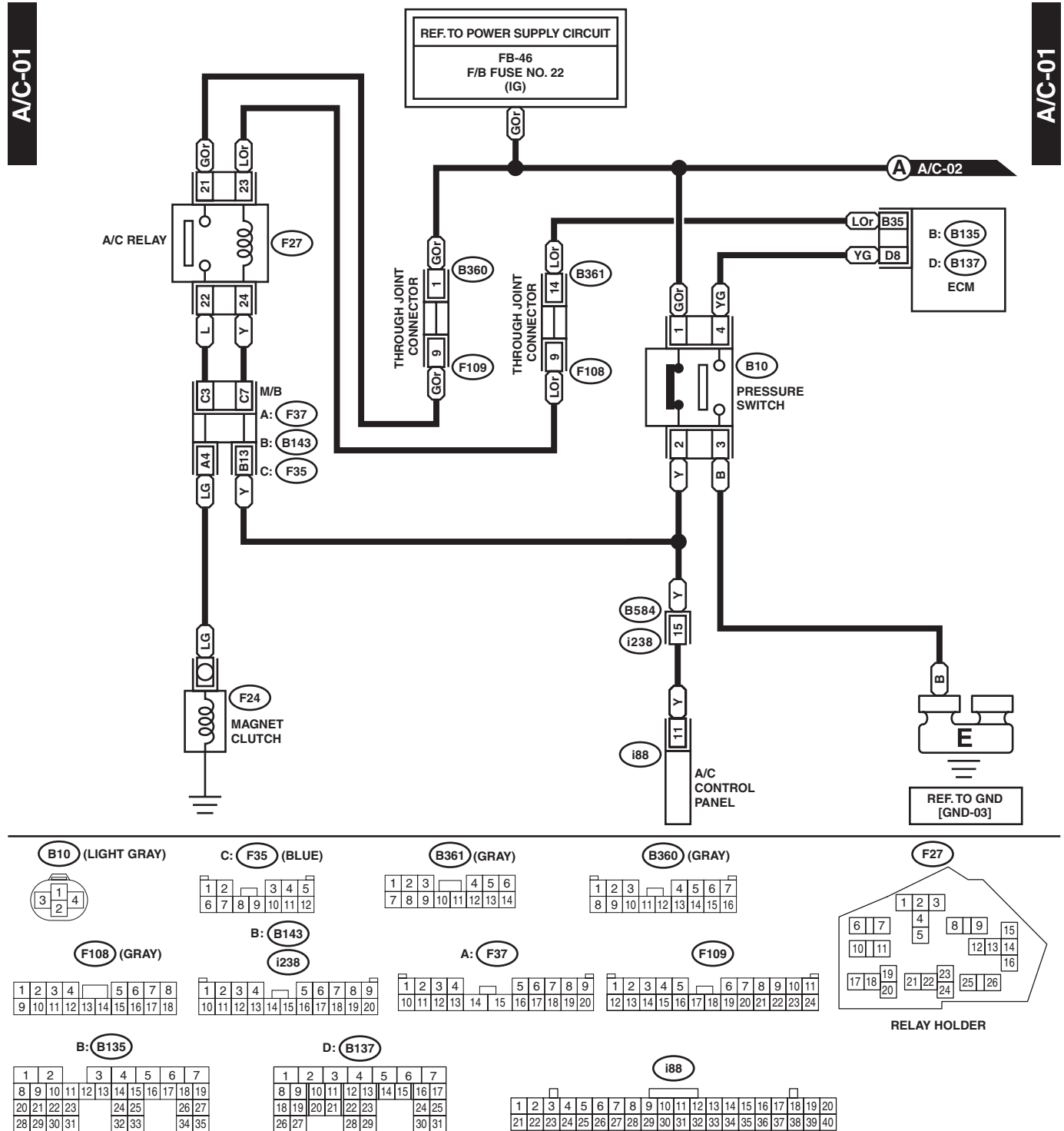
WI-41803

Air Conditioning System

WIRING SYSTEM

7. Air Conditioning System

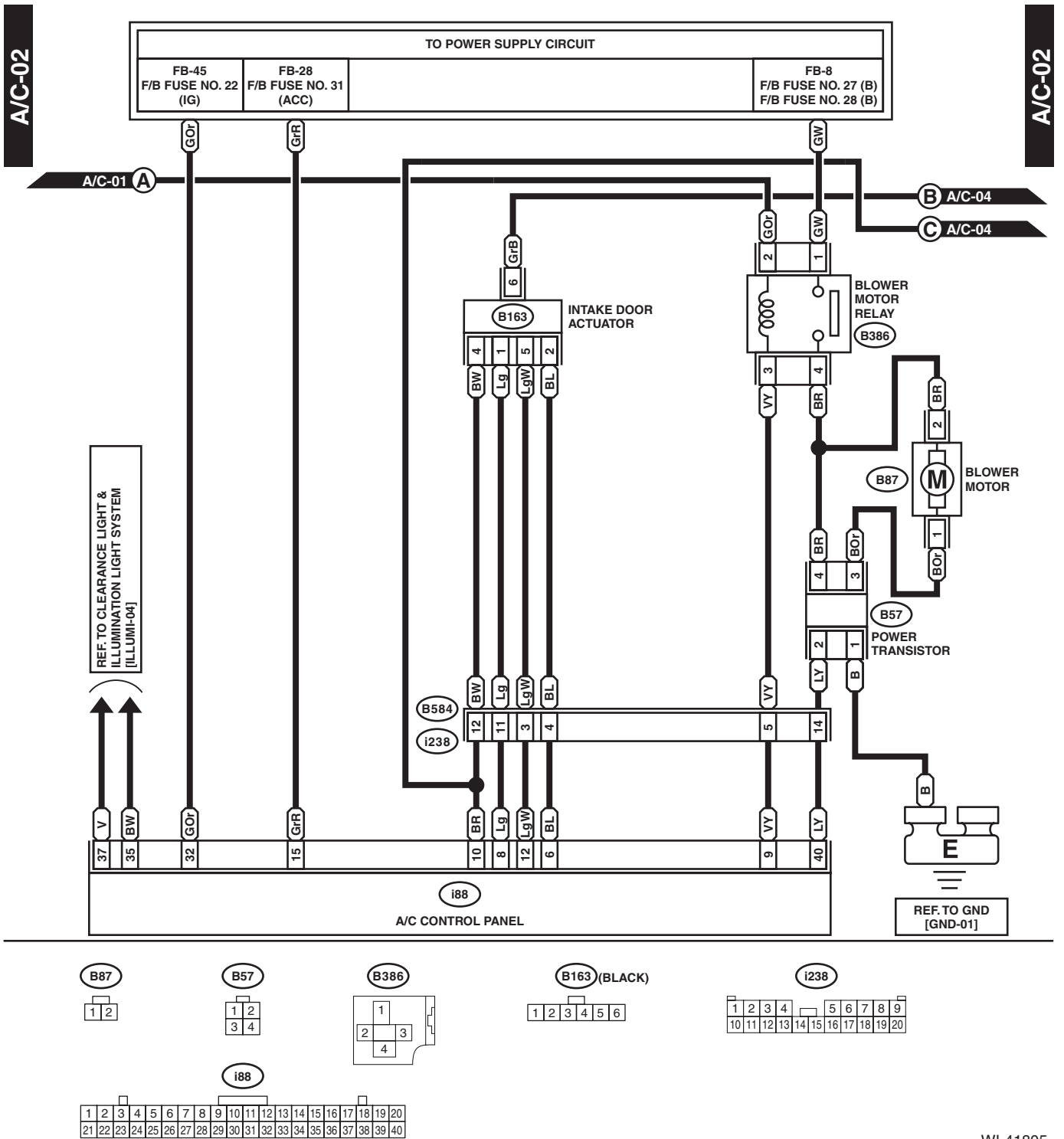
A: WIRING DIAGRAM



WI-48070

Air Conditioning System

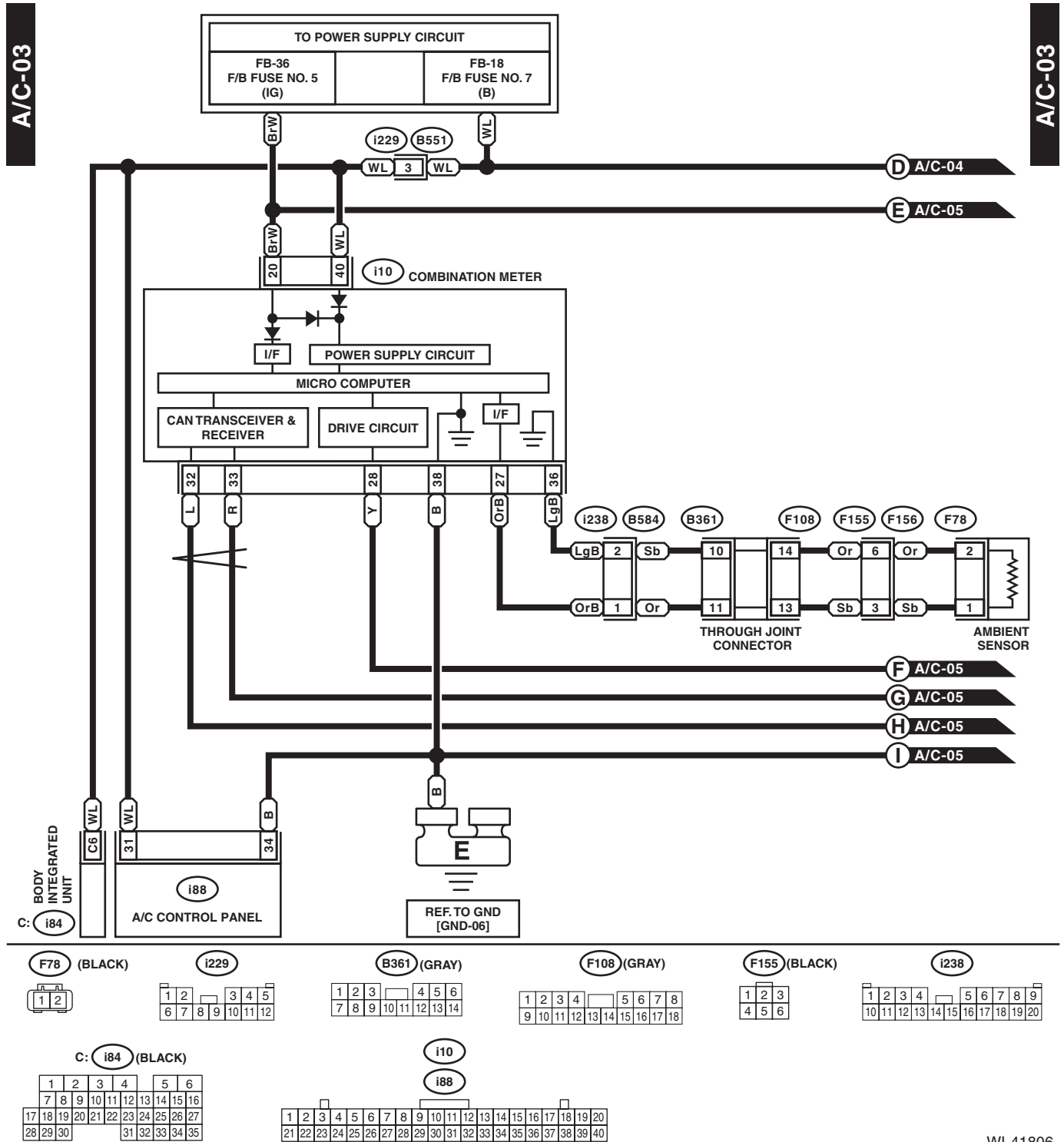
WIRING SYSTEM



WI-41805

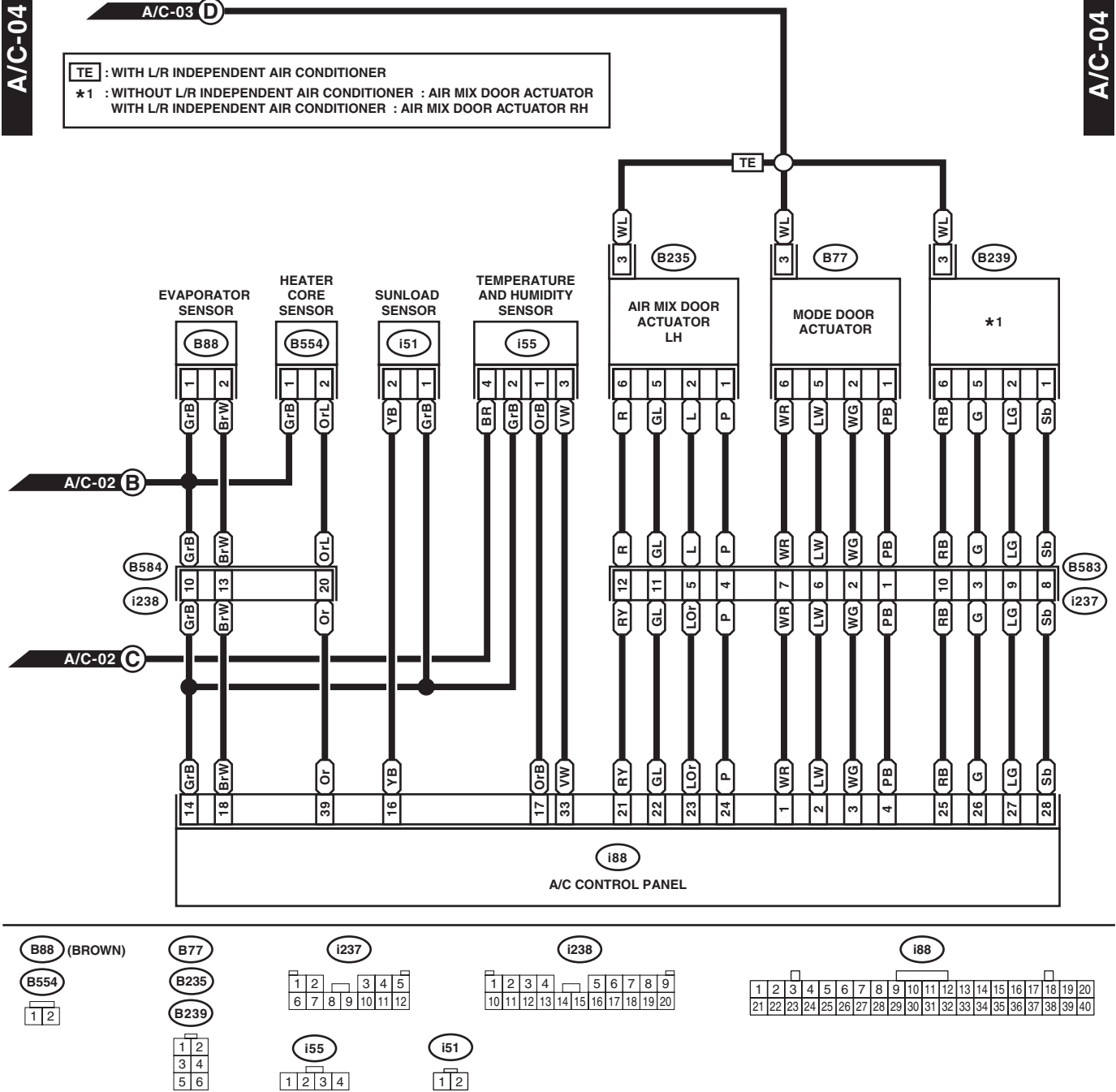
Air Conditioning System

WIRING SYSTEM



Air Conditioning System

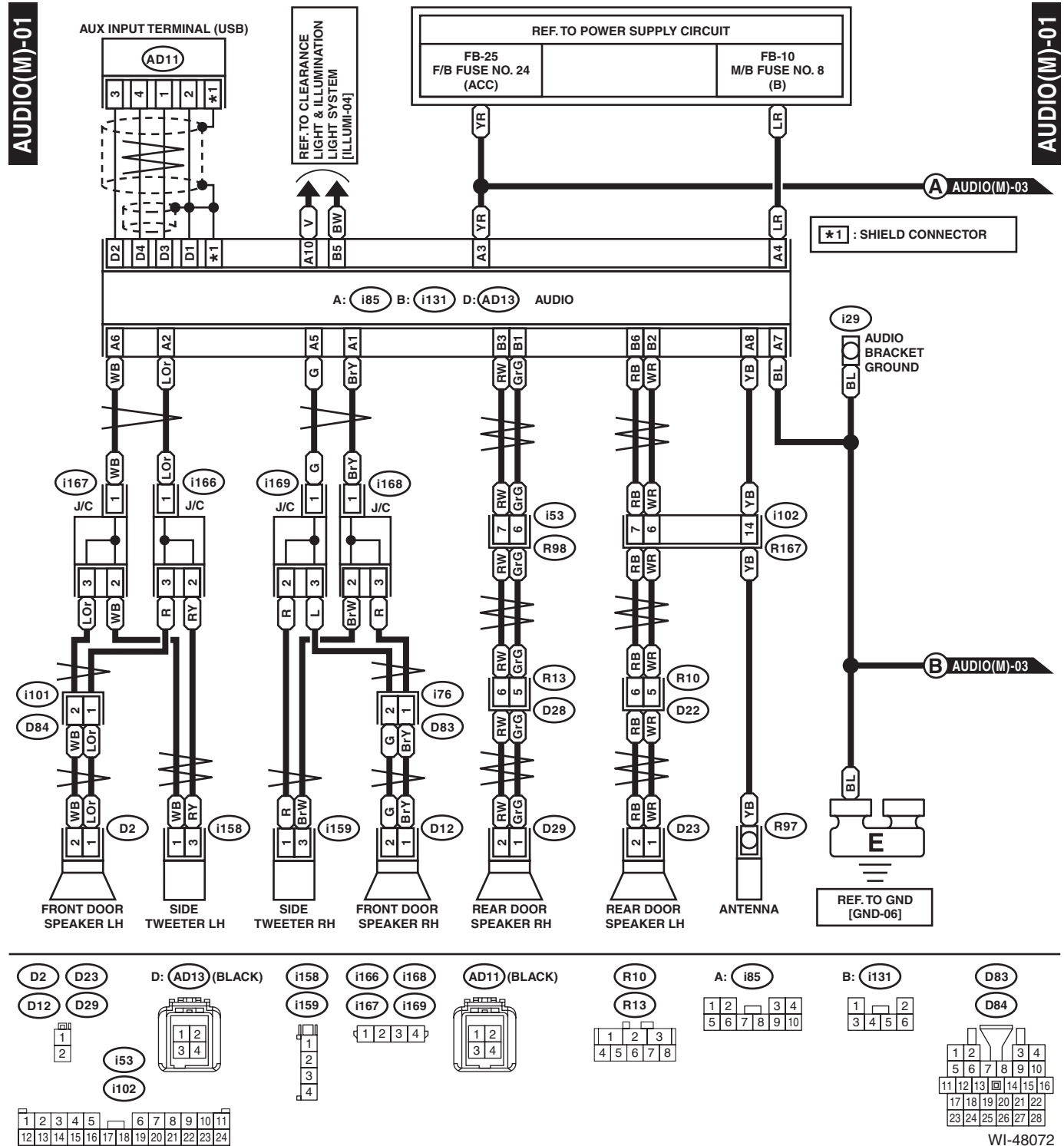
WIRING SYSTEM



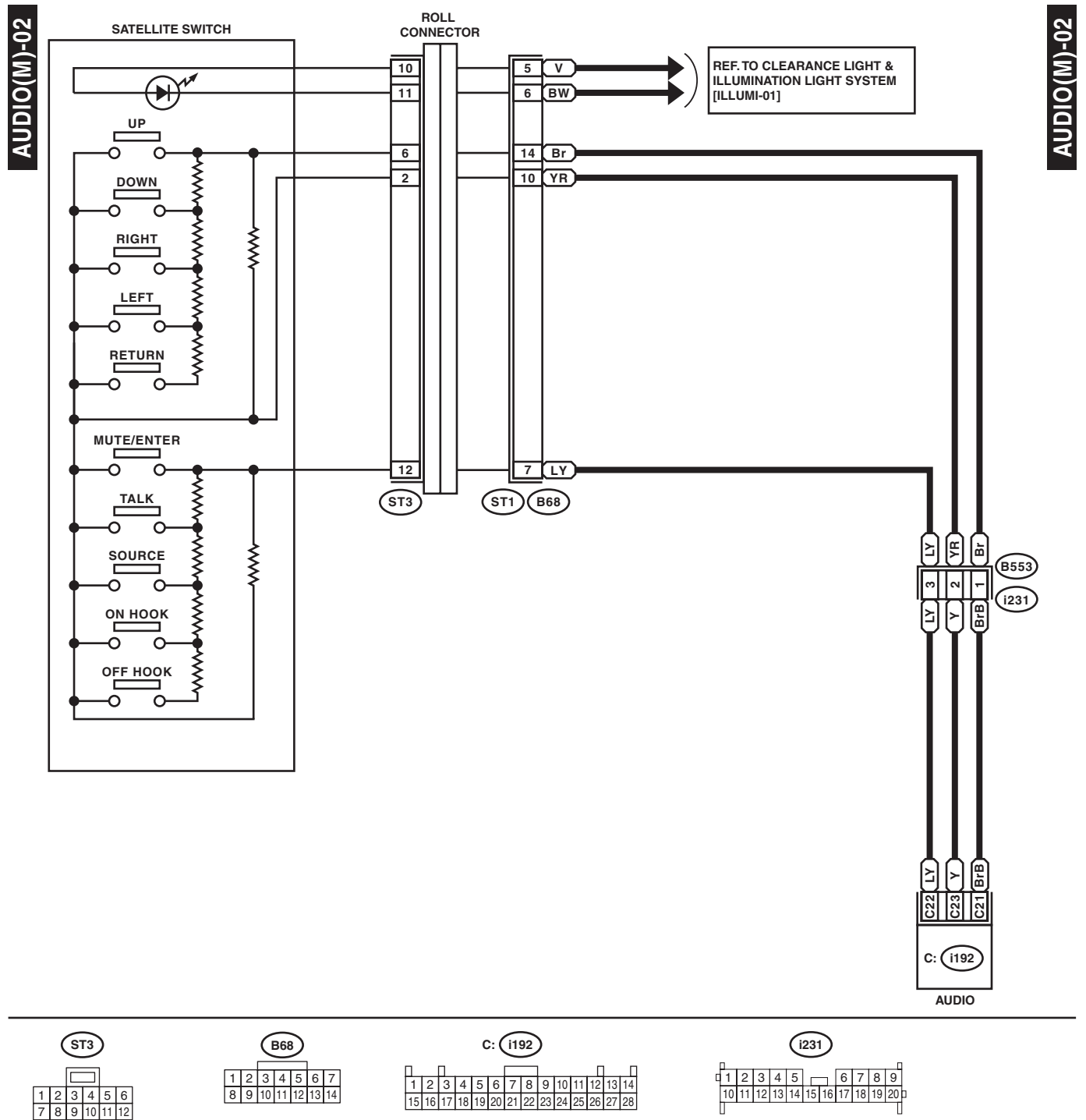
WI-41807

8. Audio System

A: WIRING DIAGRAM



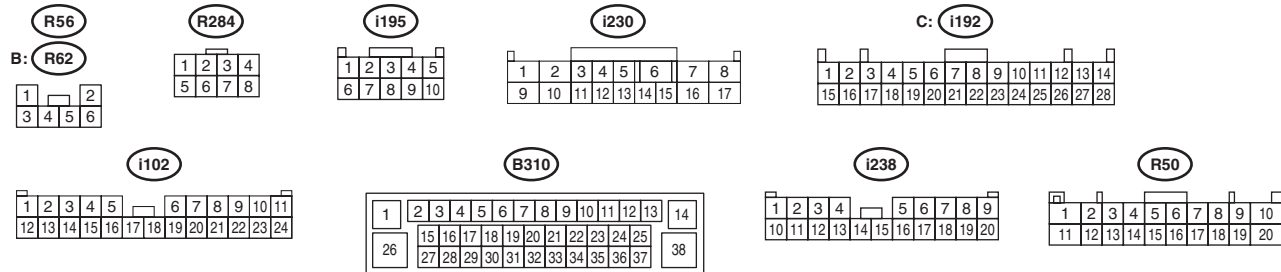
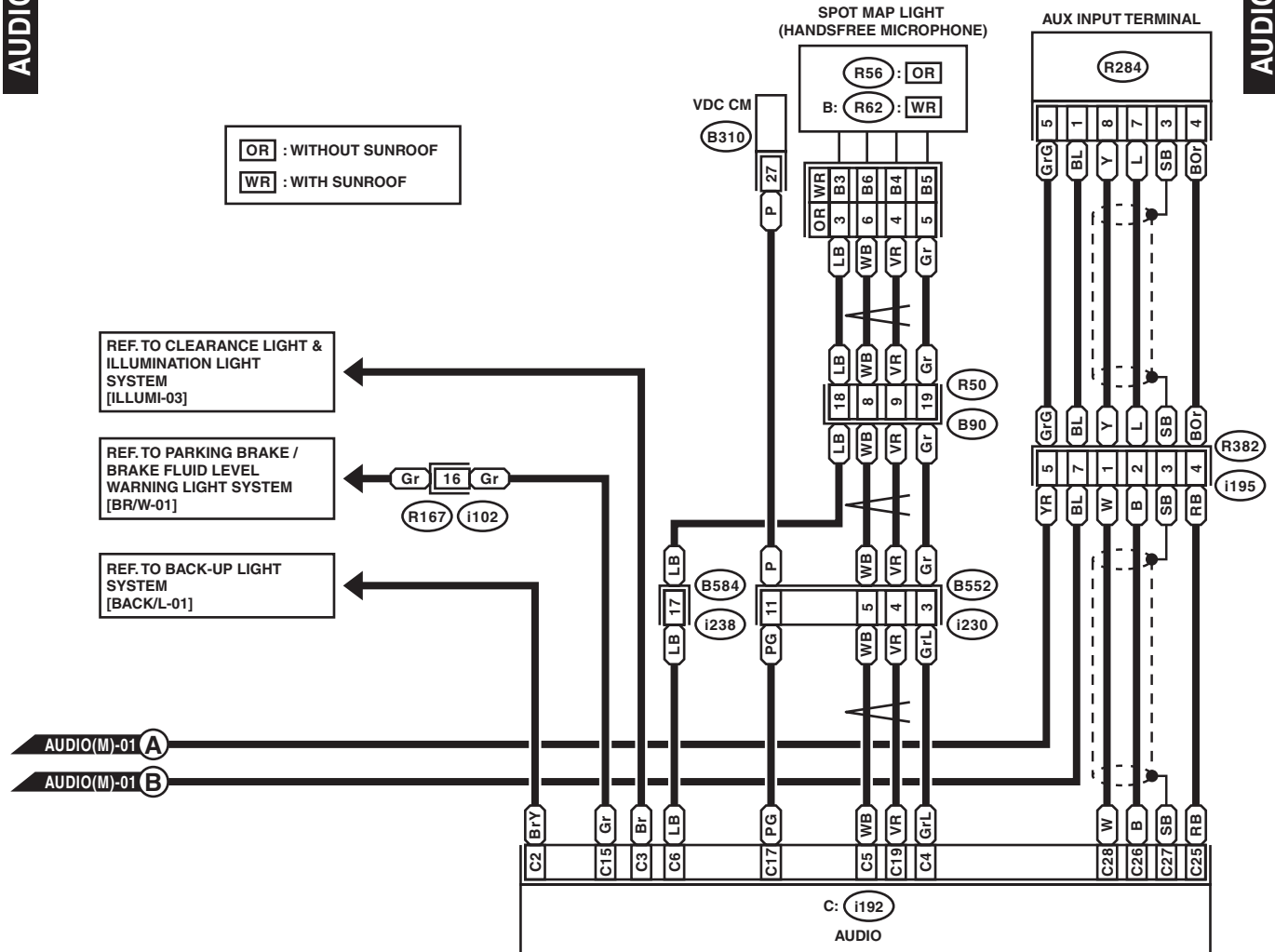
WIRING SYSTEM



WI-48073

AUDIO(M)-03

AUDIO(M)-03



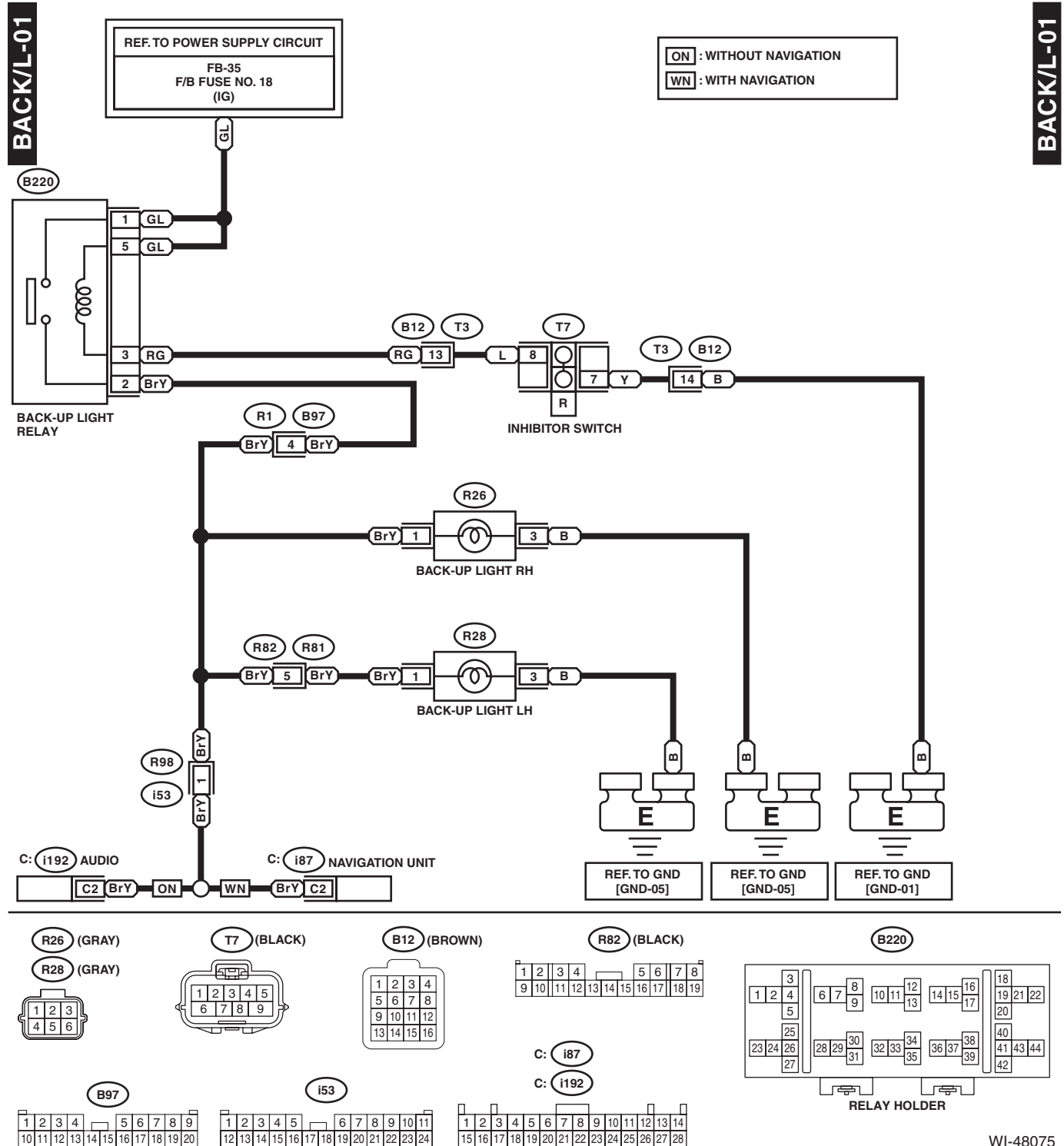
WI-48074

Back-up Light System

WIRING SYSTEM

9. Back-up Light System

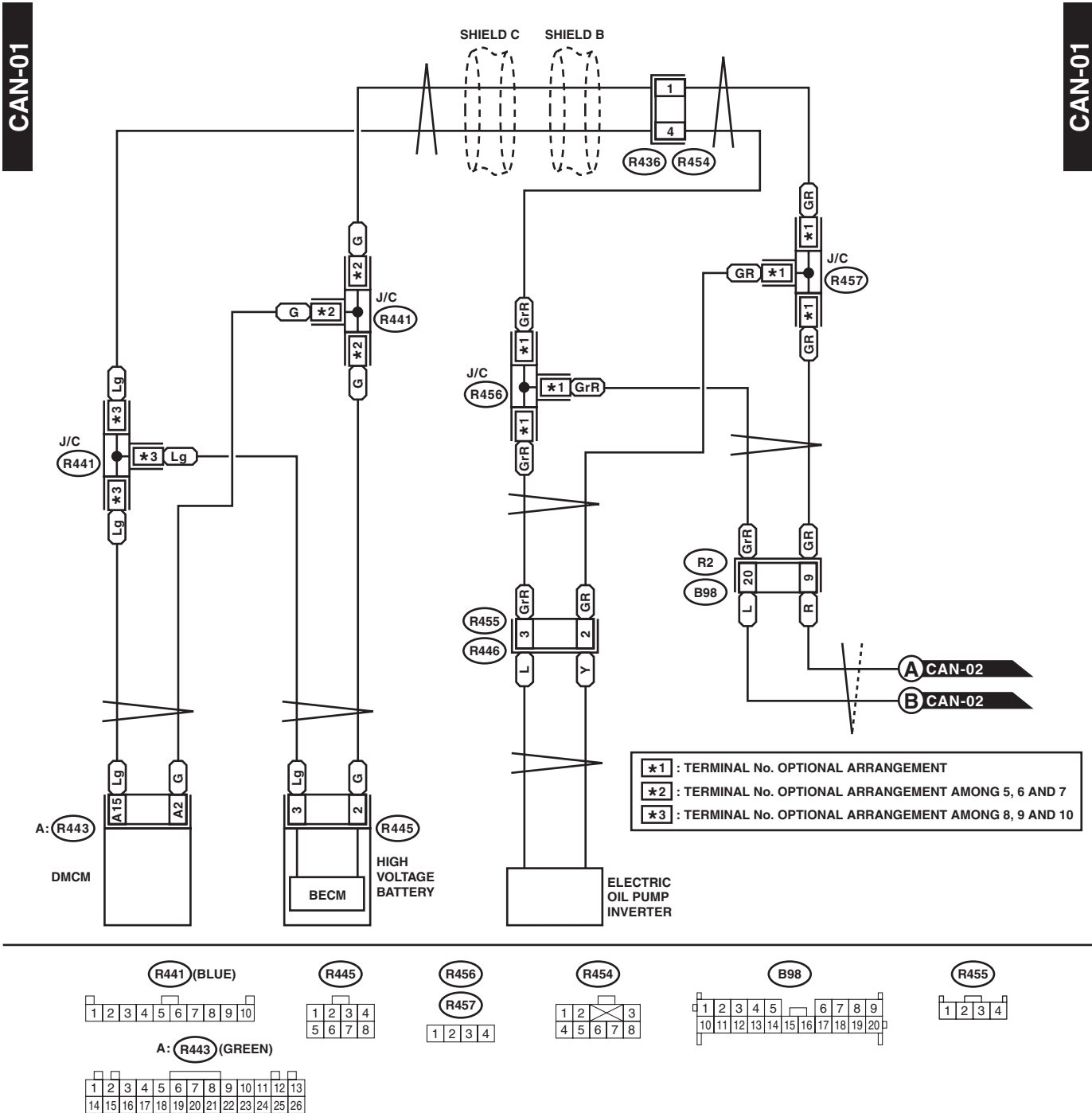
A: WIRING DIAGRAM



WI-48075

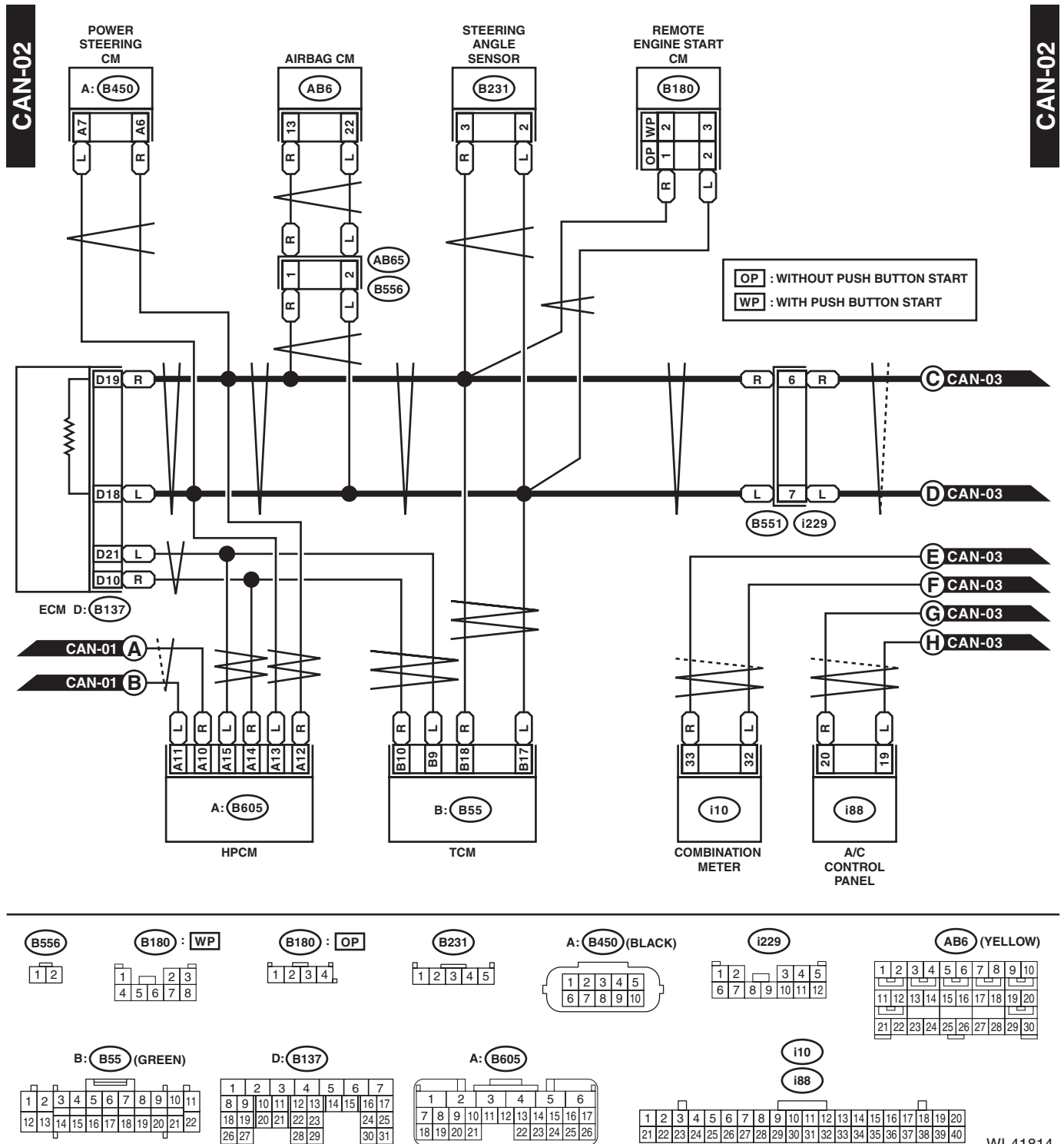
10.CAN Communication System

A: WIRING DIAGRAM



CAN Communication System

WIRING SYSTEM



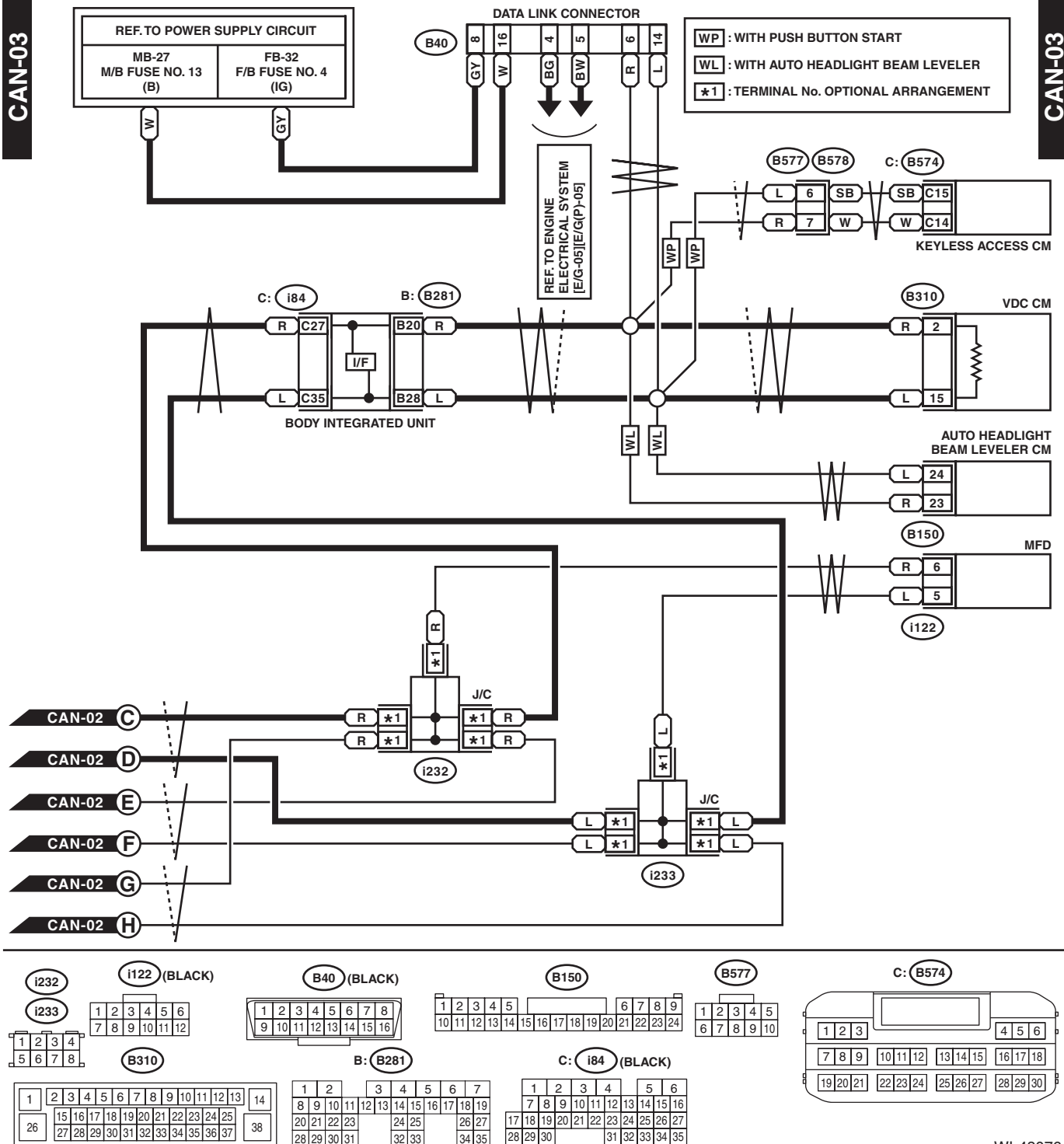
WI-41814

CAN Communication System

WIRING SYSTEM

CAN-03

CAN-03



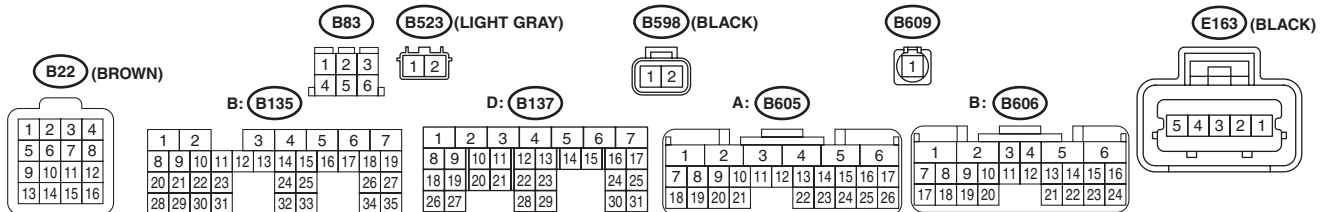
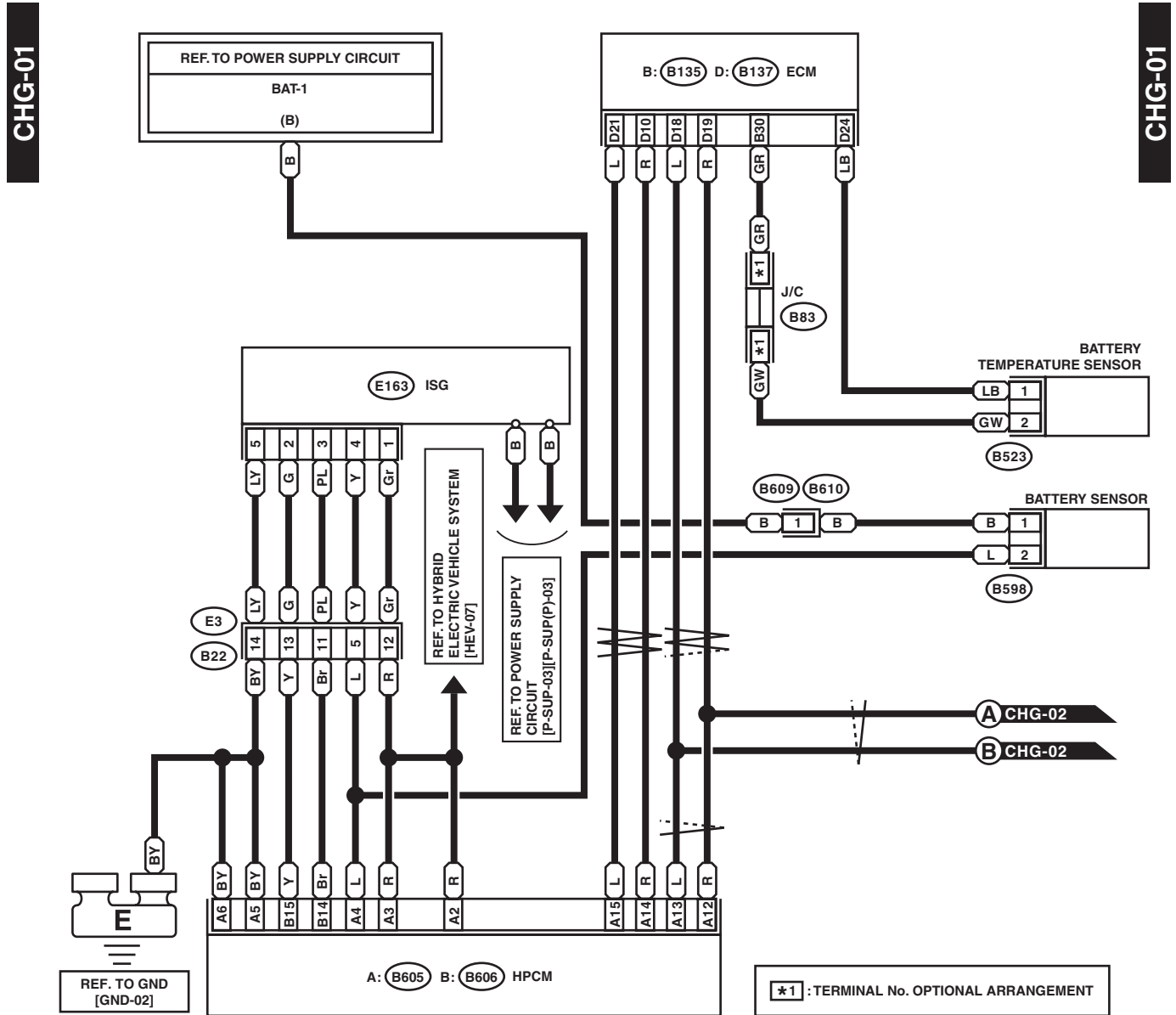
WI-48076

Charging System

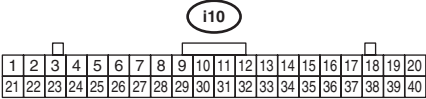
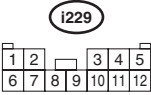
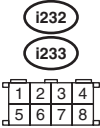
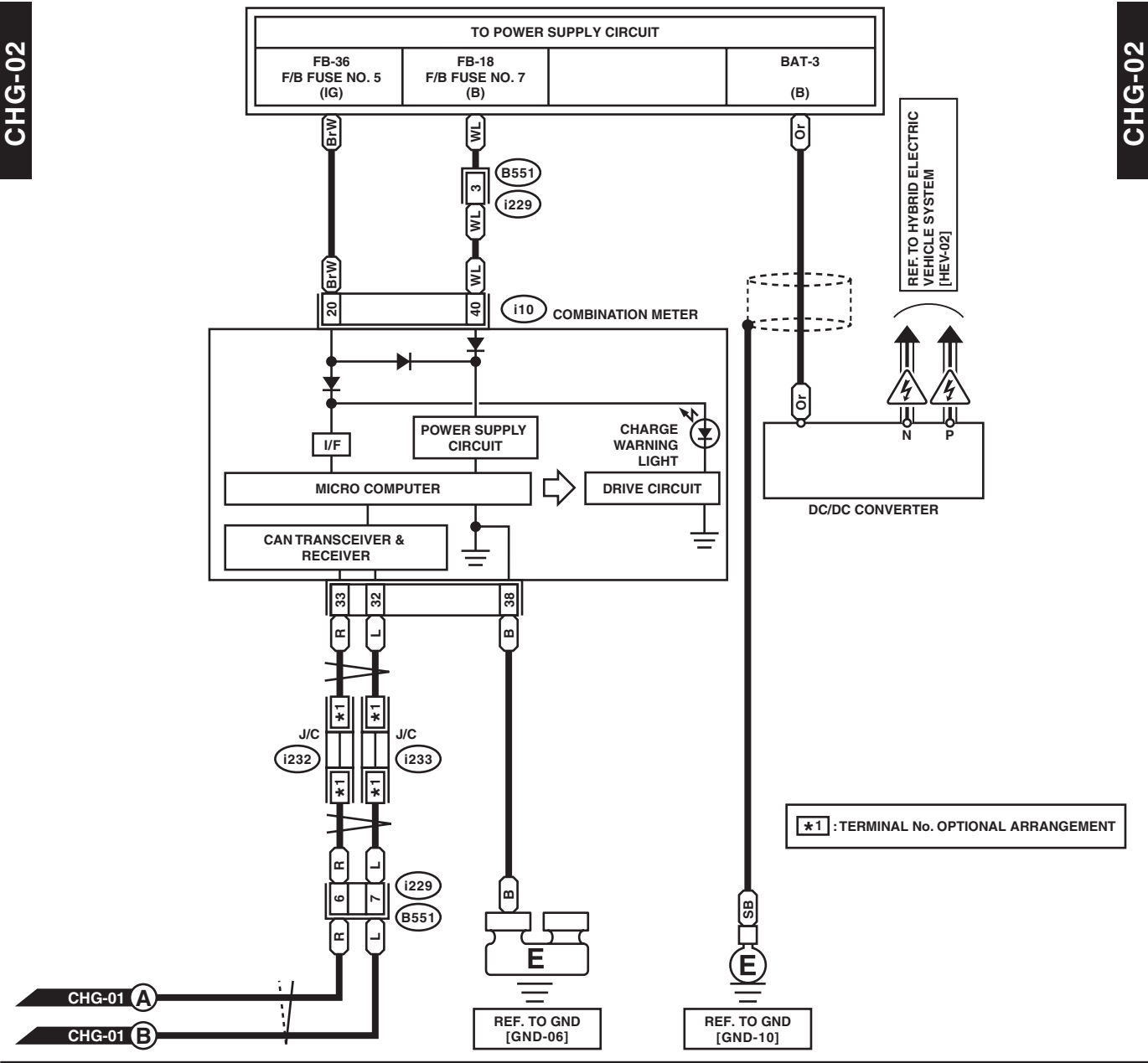
WIRING SYSTEM

11.Charging System

A: WIRING DIAGRAM



WI-48077

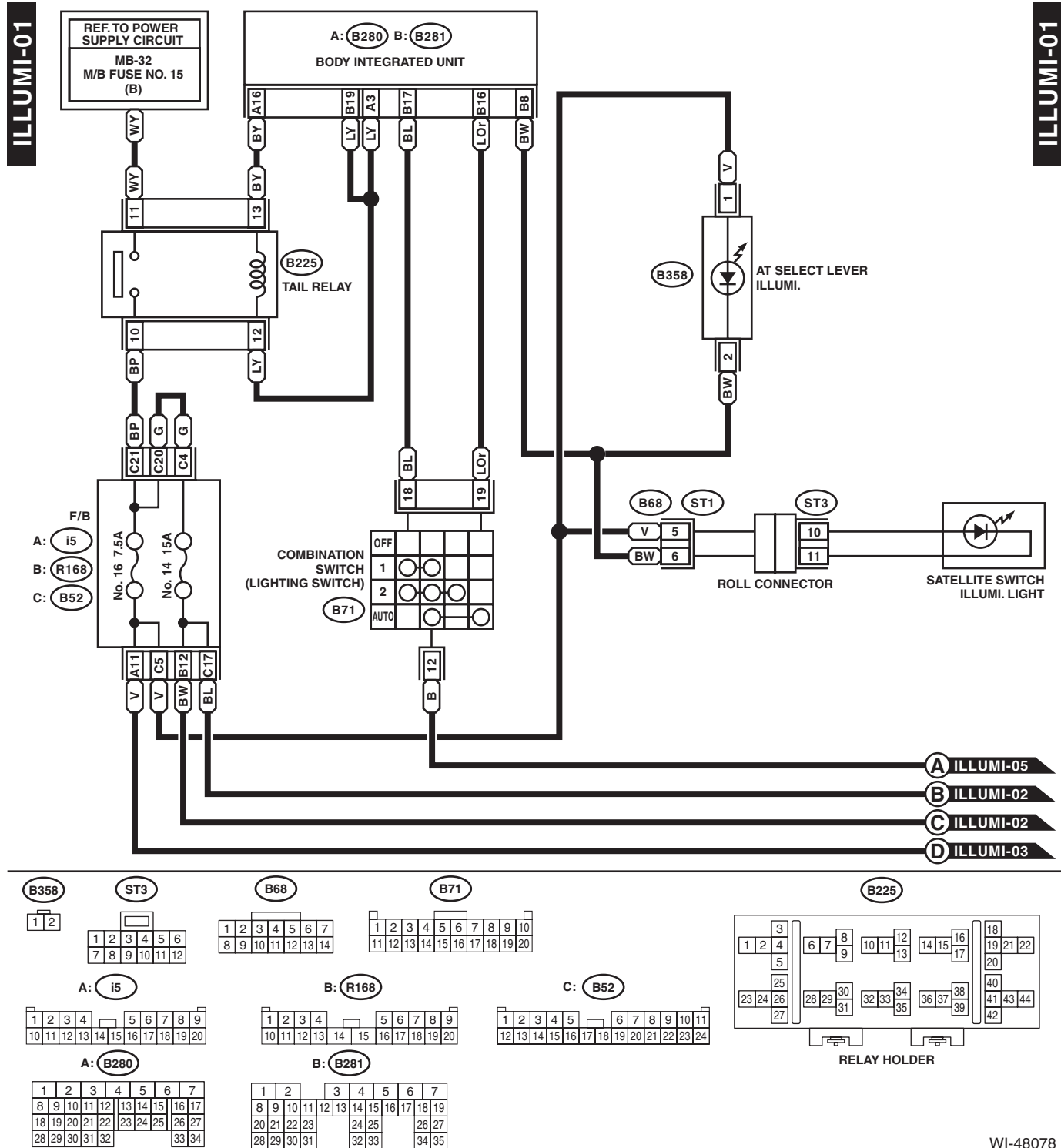


Clearance Light and Illumination Light System

WIRING SYSTEM

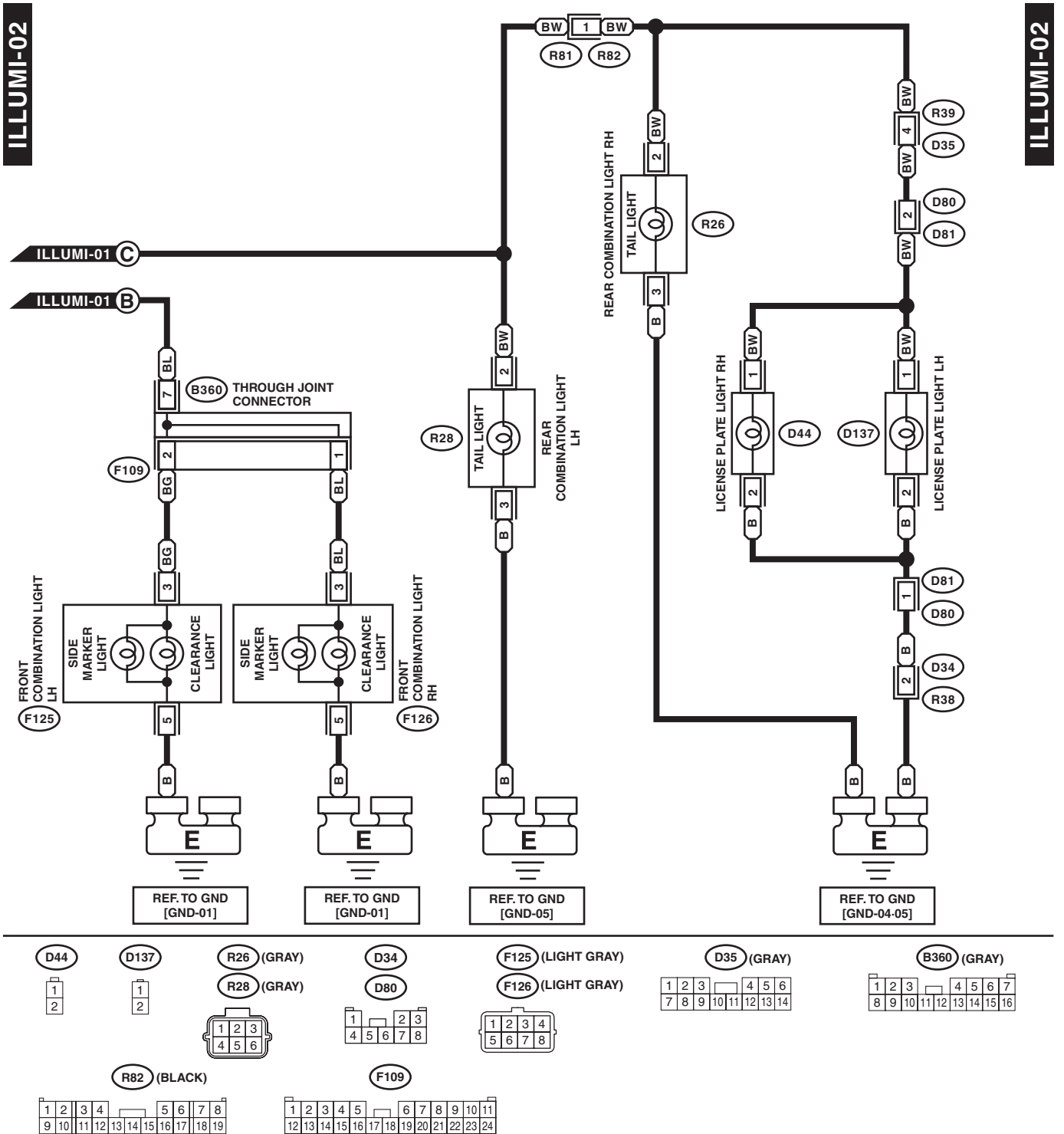
12. Clearance Light and Illumination Light System

A: WIRING DIAGRAM



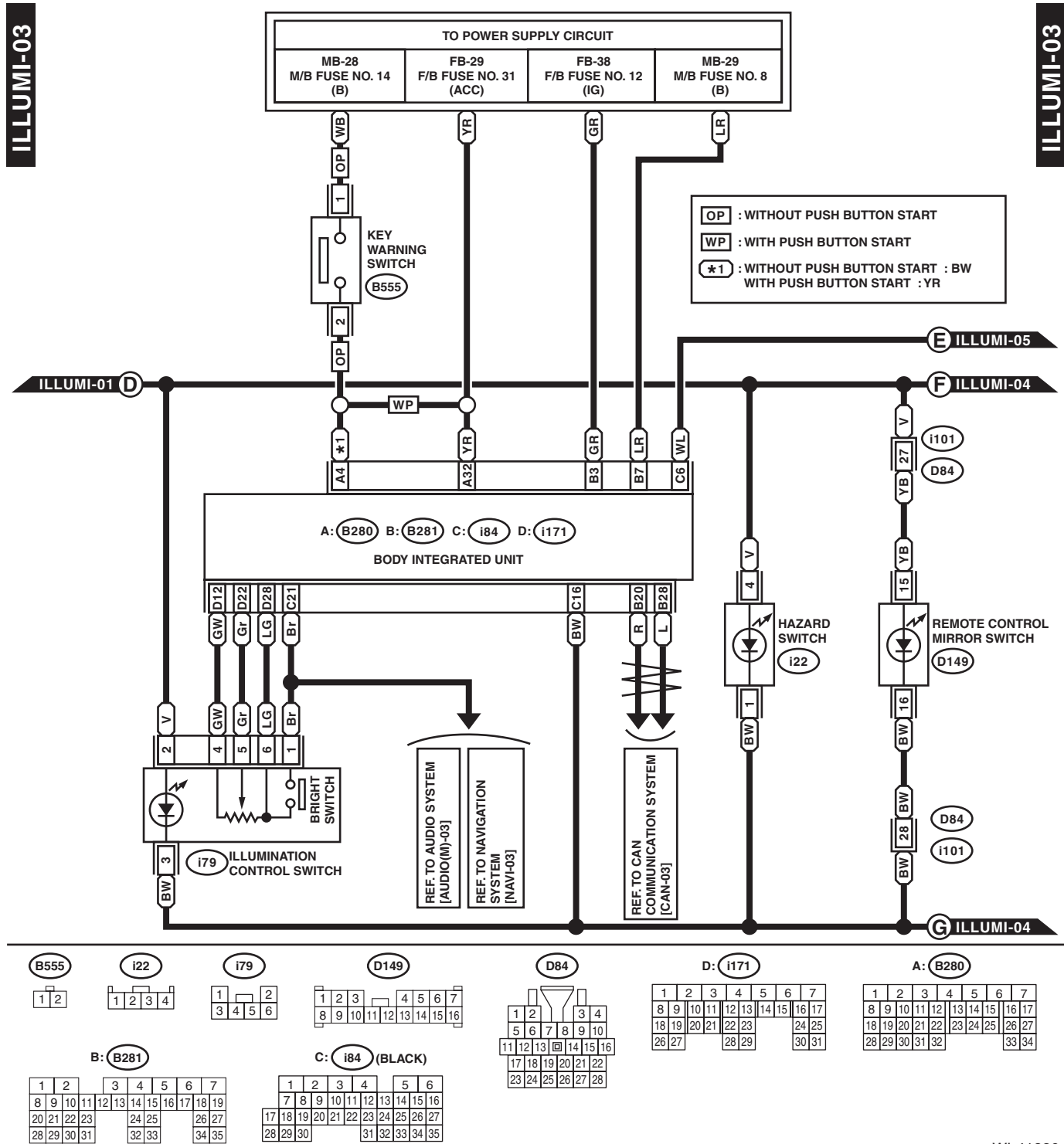
Clearance Light and Illumination Light System

WIRING SYSTEM



Clearance Light and Illumination Light System

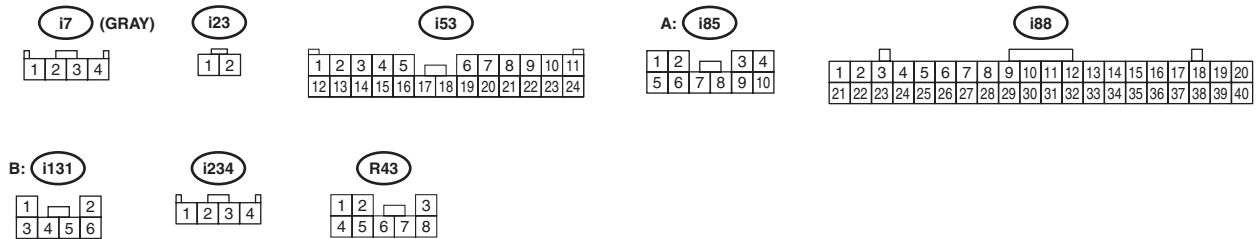
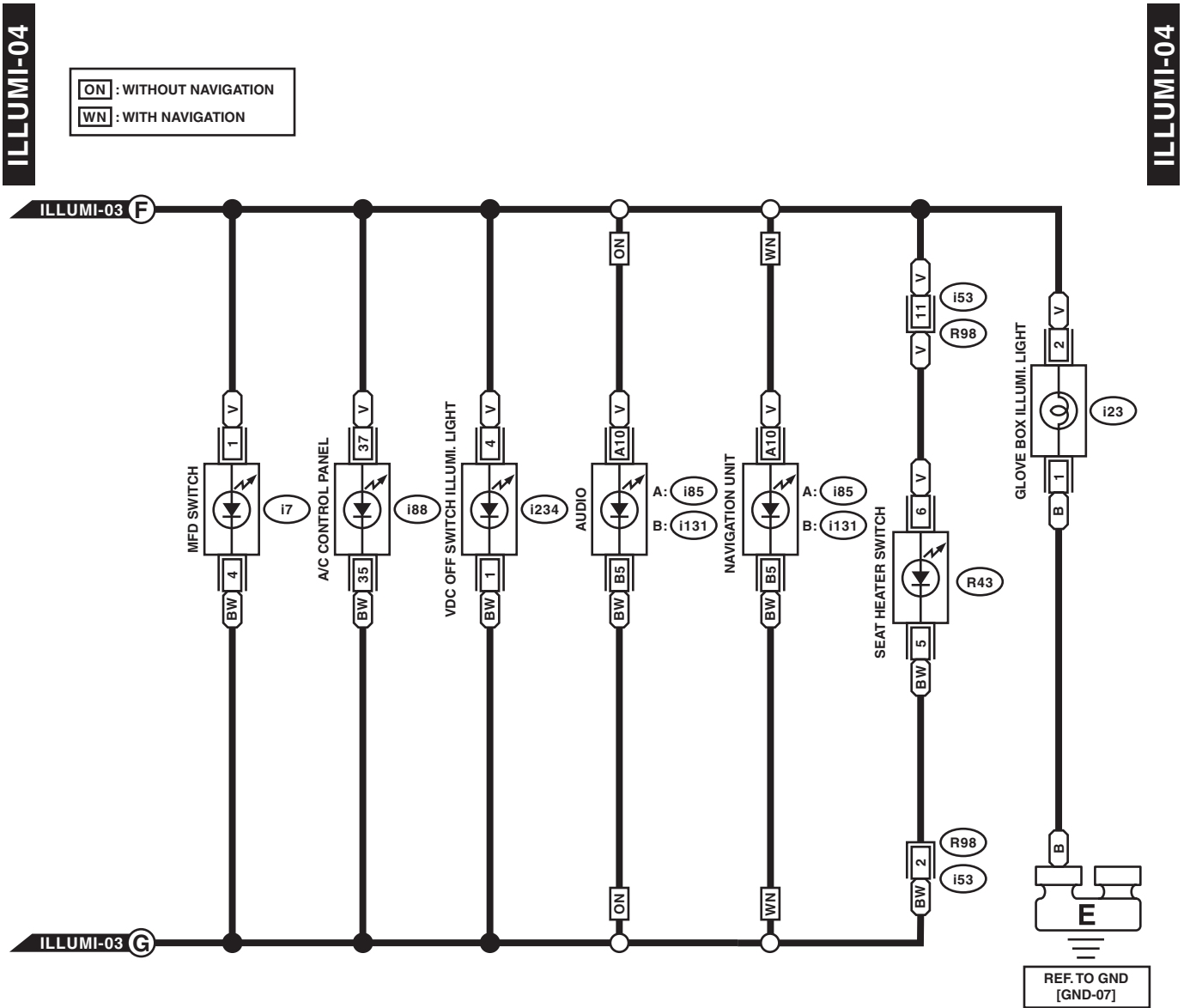
WIRING SYSTEM



WI-41820

Clearance Light and Illumination Light System

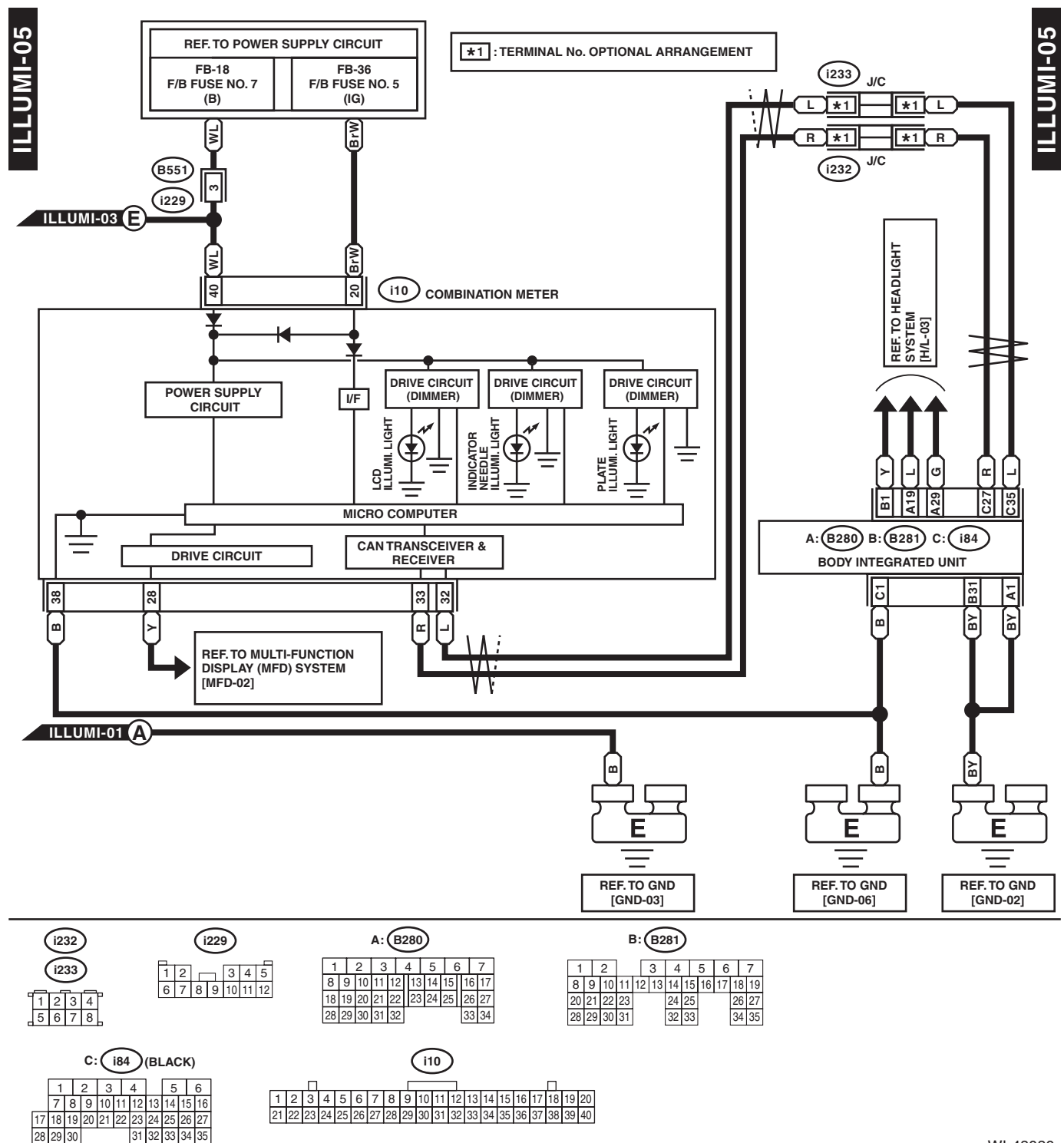
WIRING SYSTEM



WI-48079

Clearance Light and Illumination Light System

WIRING SYSTEM



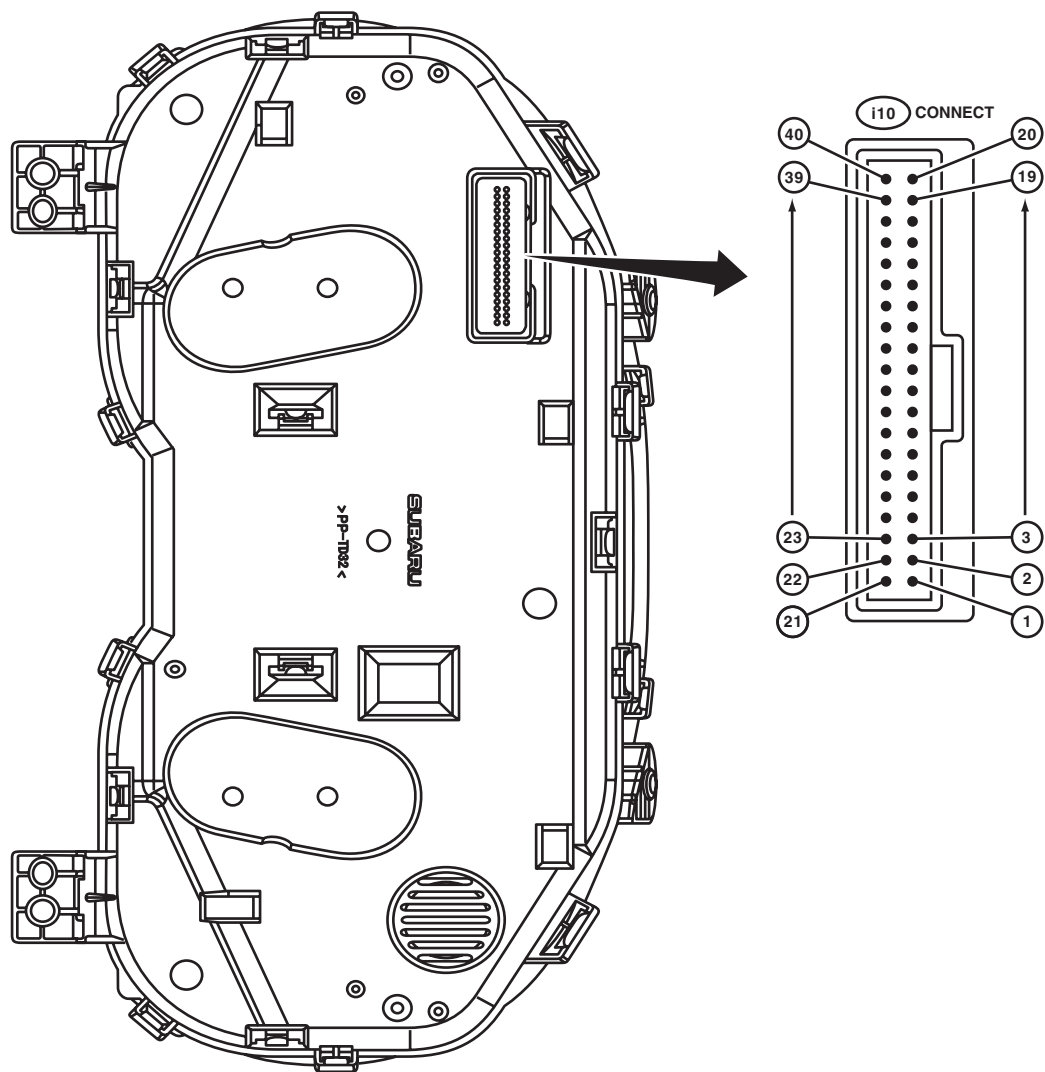
WI-48080

13. Combination Meter System

A: WIRING DIAGRAM

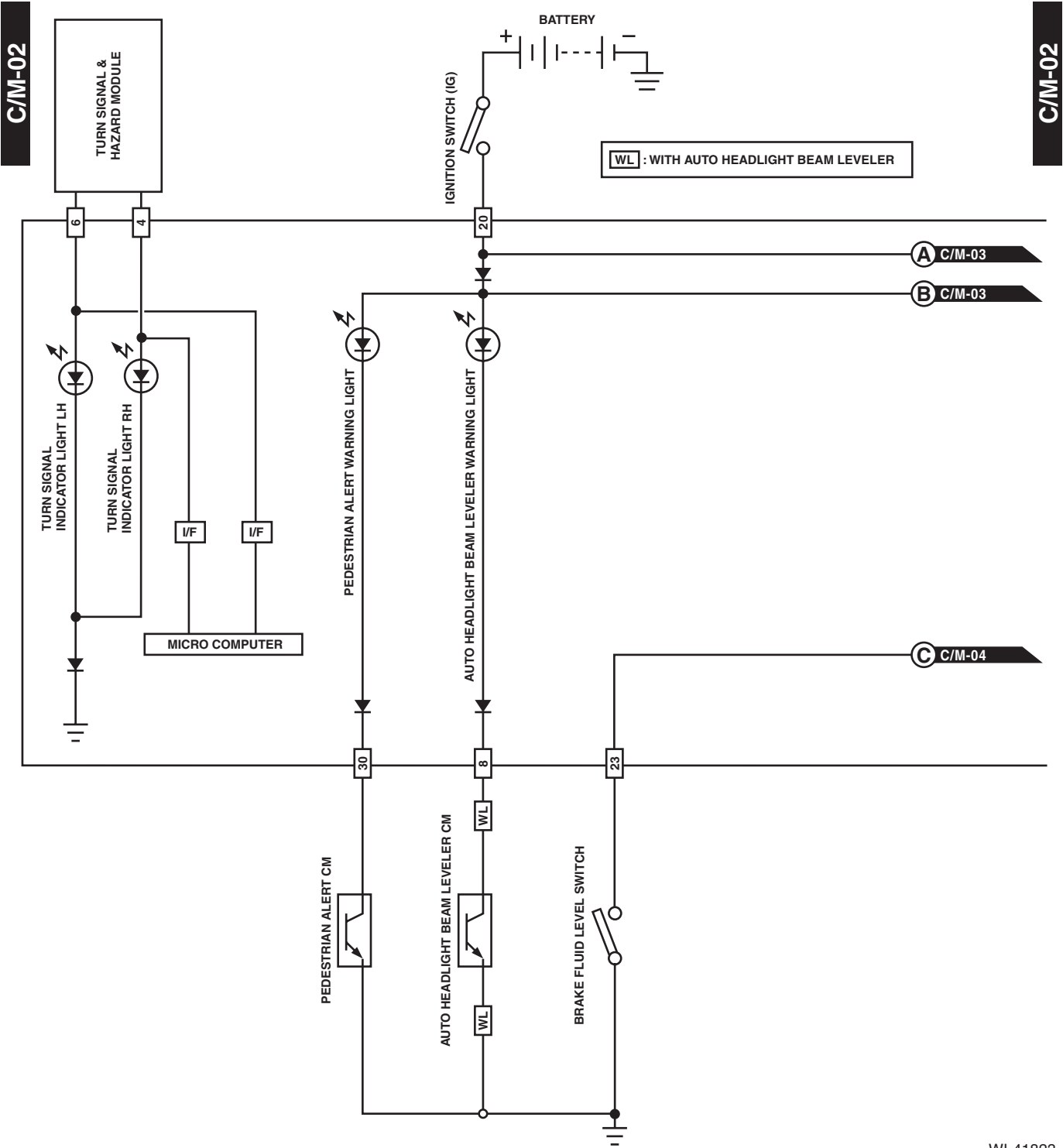
C/M-01

C/M-01



Combination Meter System

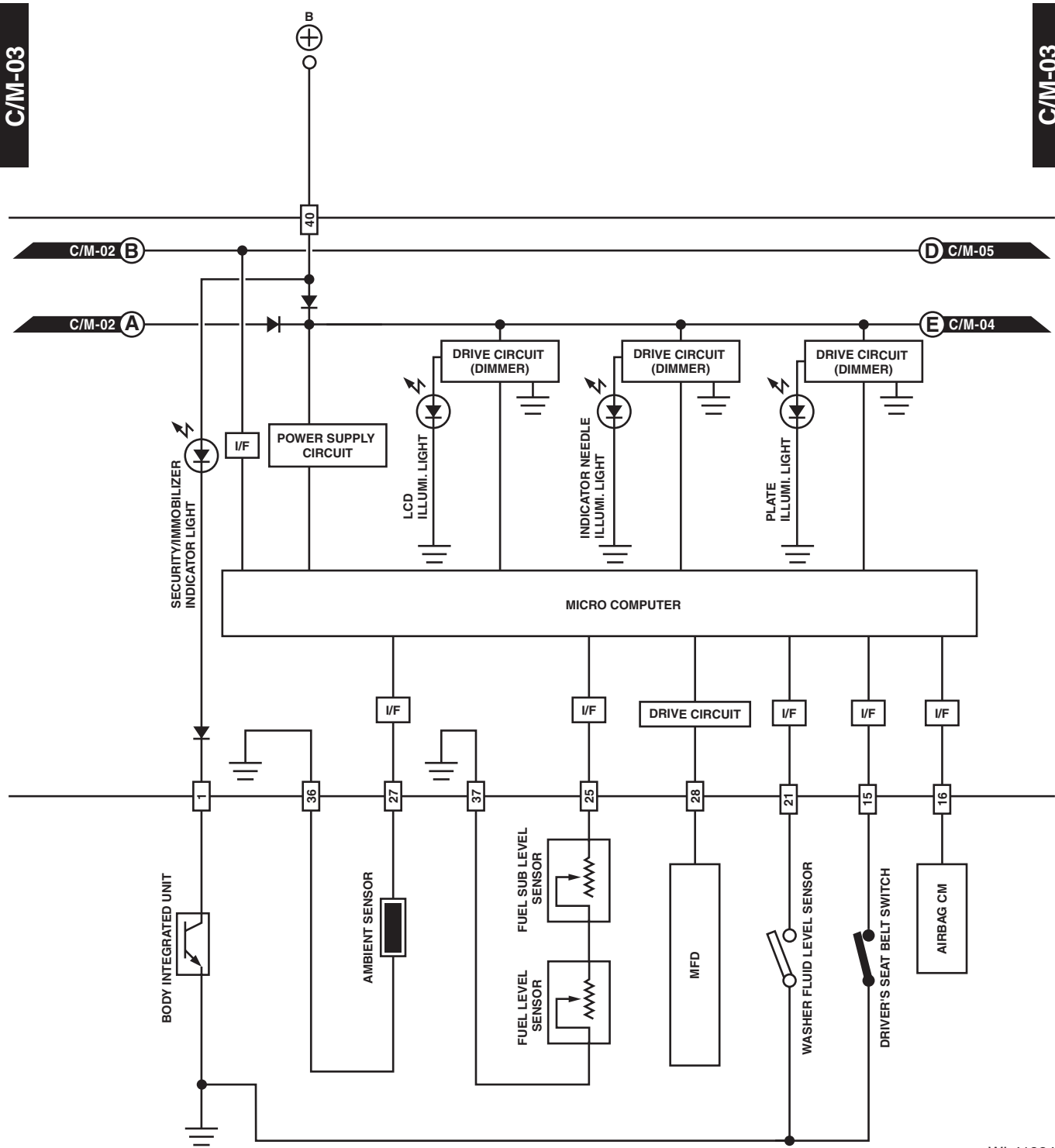
WIRING SYSTEM



WI-41823

Combination Meter System

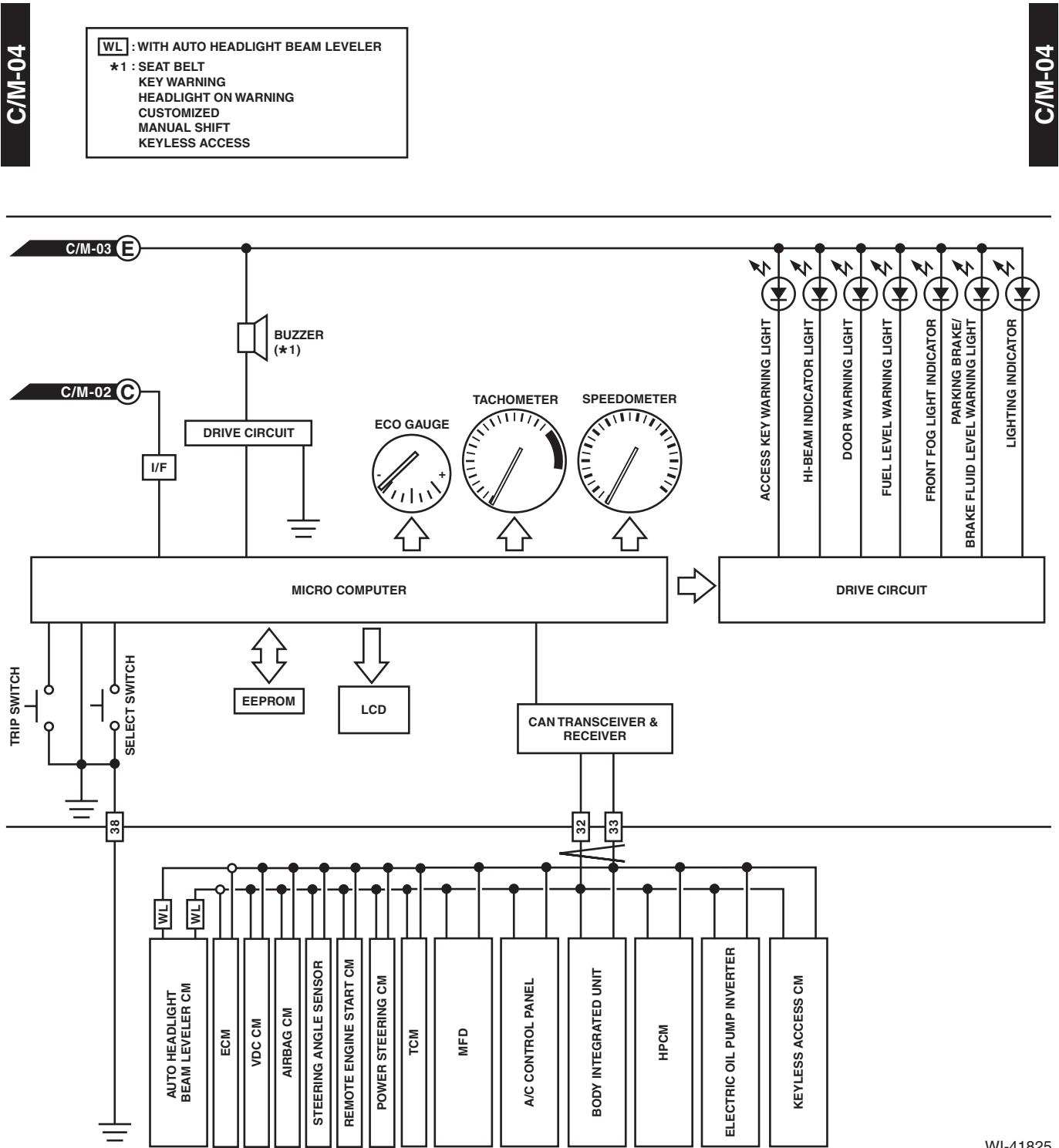
WIRING SYSTEM



WI-41824

Combination Meter System

WIRING SYSTEM

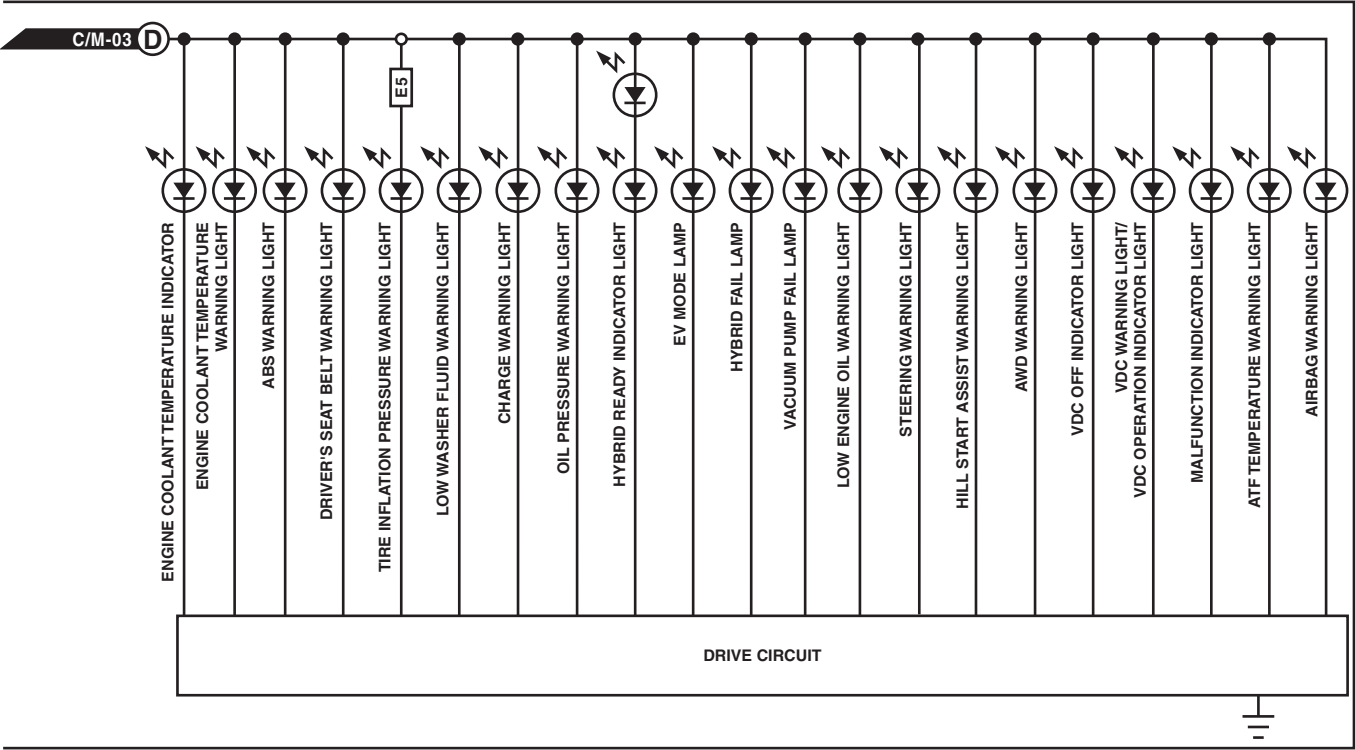


WI-41825

C/M-05

E5 : EXCEPT FOR C5 MODEL

C/M-05

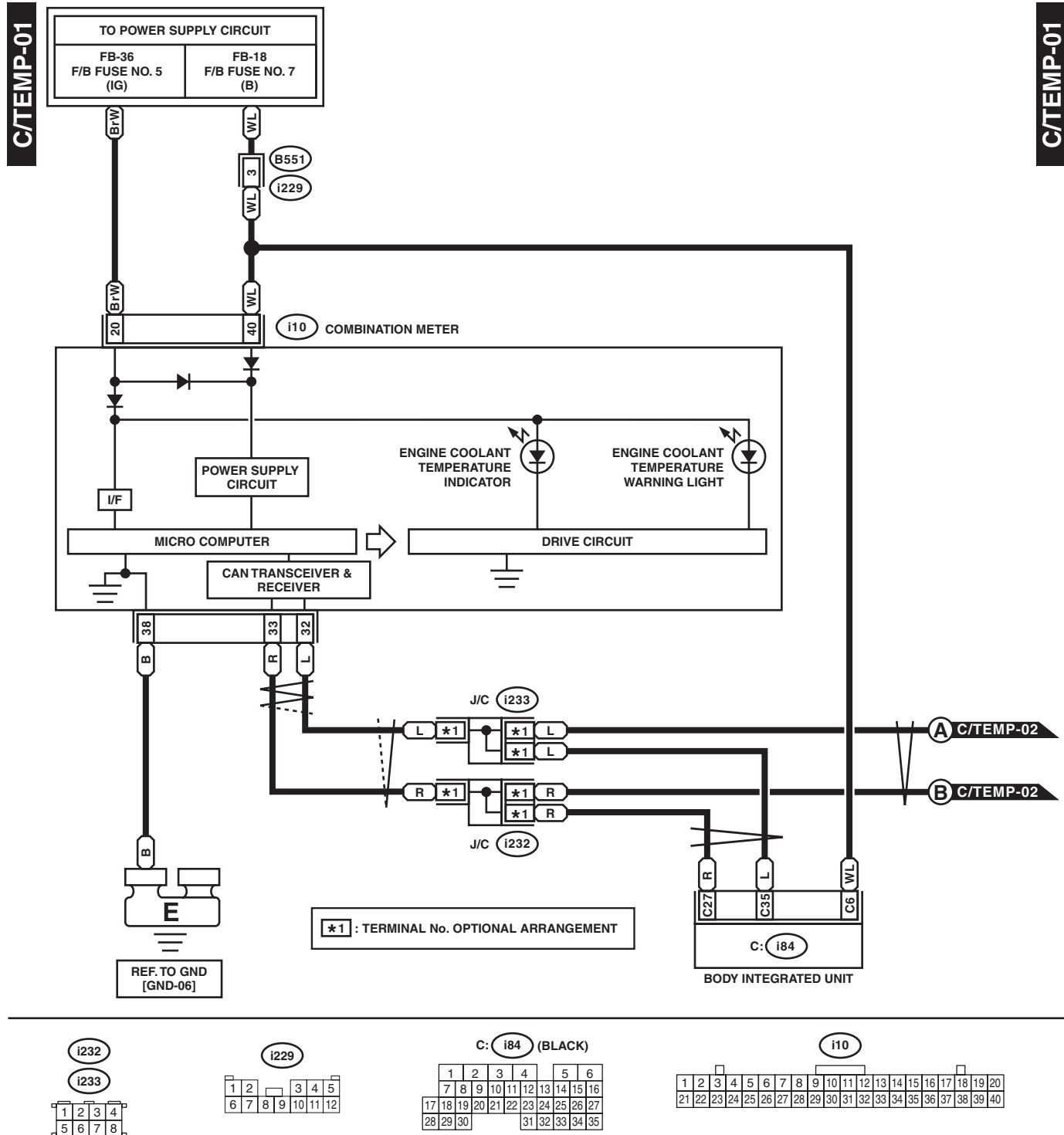


Coolant Temperature System

WIRING SYSTEM

14.Coolant Temperature System

A: WIRING DIAGRAM



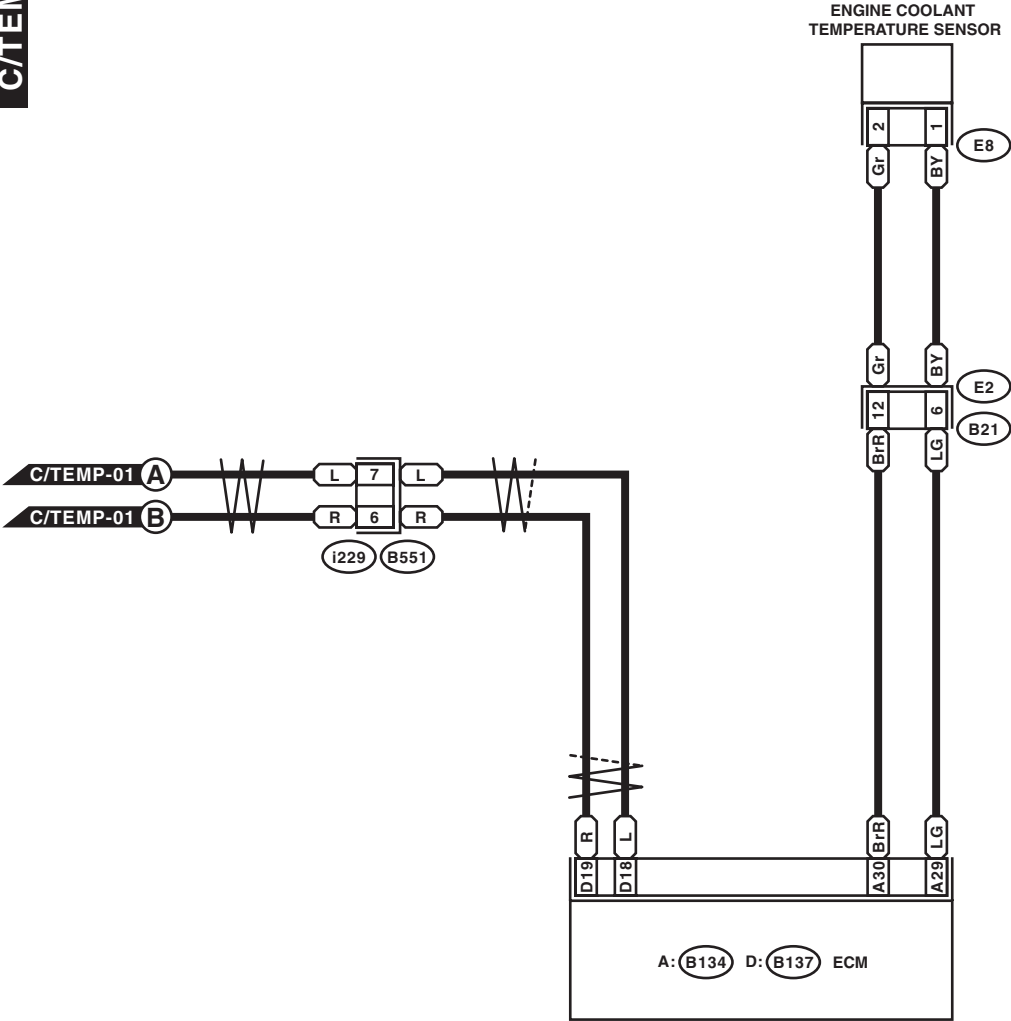
WI-41827

Coolant Temperature System

WIRING SYSTEM

C/TEMP-02

C/TEMP-02



E8 (BLACK)



i229

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

D: (B137)

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

A: (B134)

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

B21 (BLACK)

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

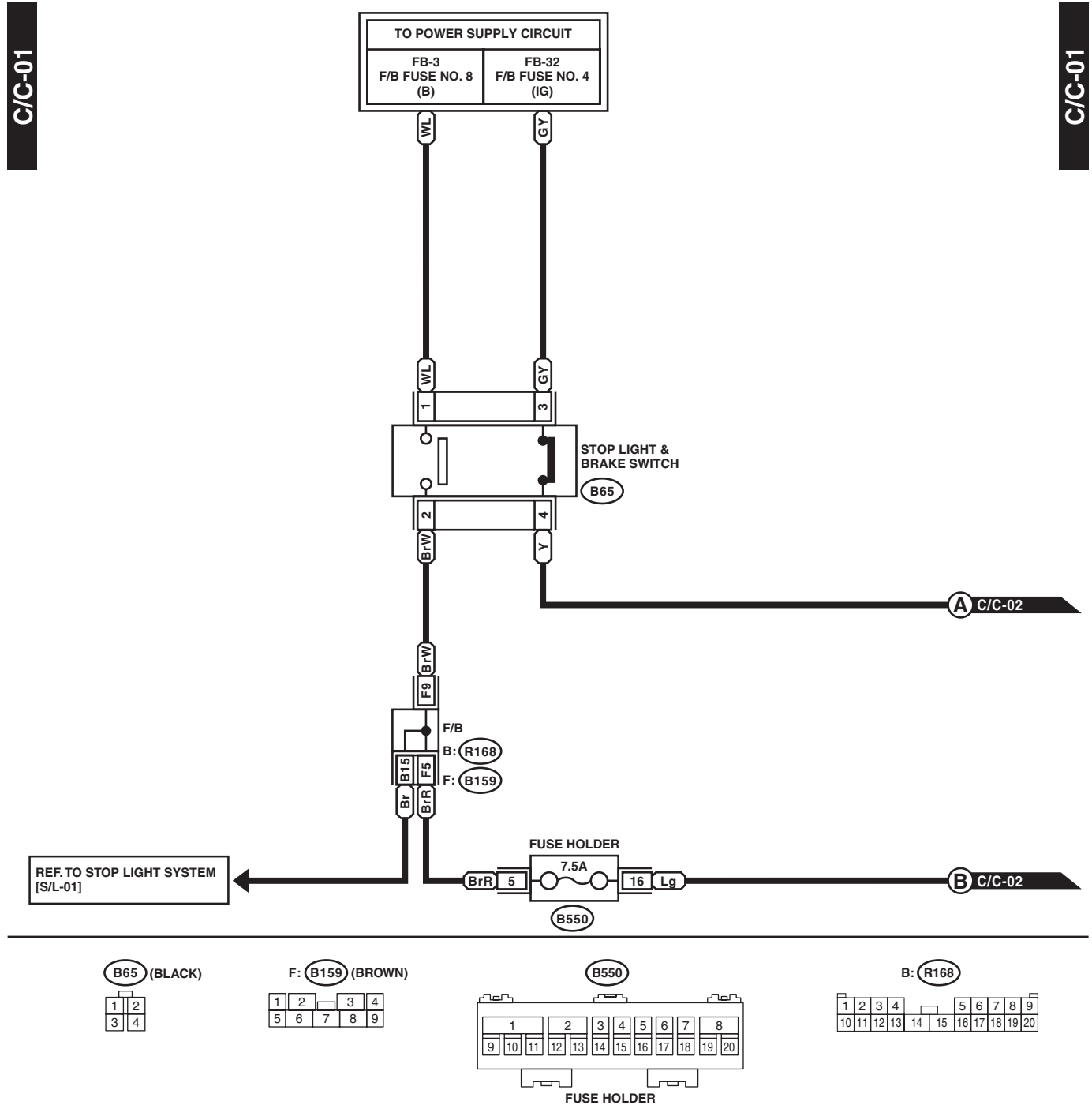
WI-41828

Cruise Control System

WIRING SYSTEM

15.Cruise Control System

A: WIRING DIAGRAM



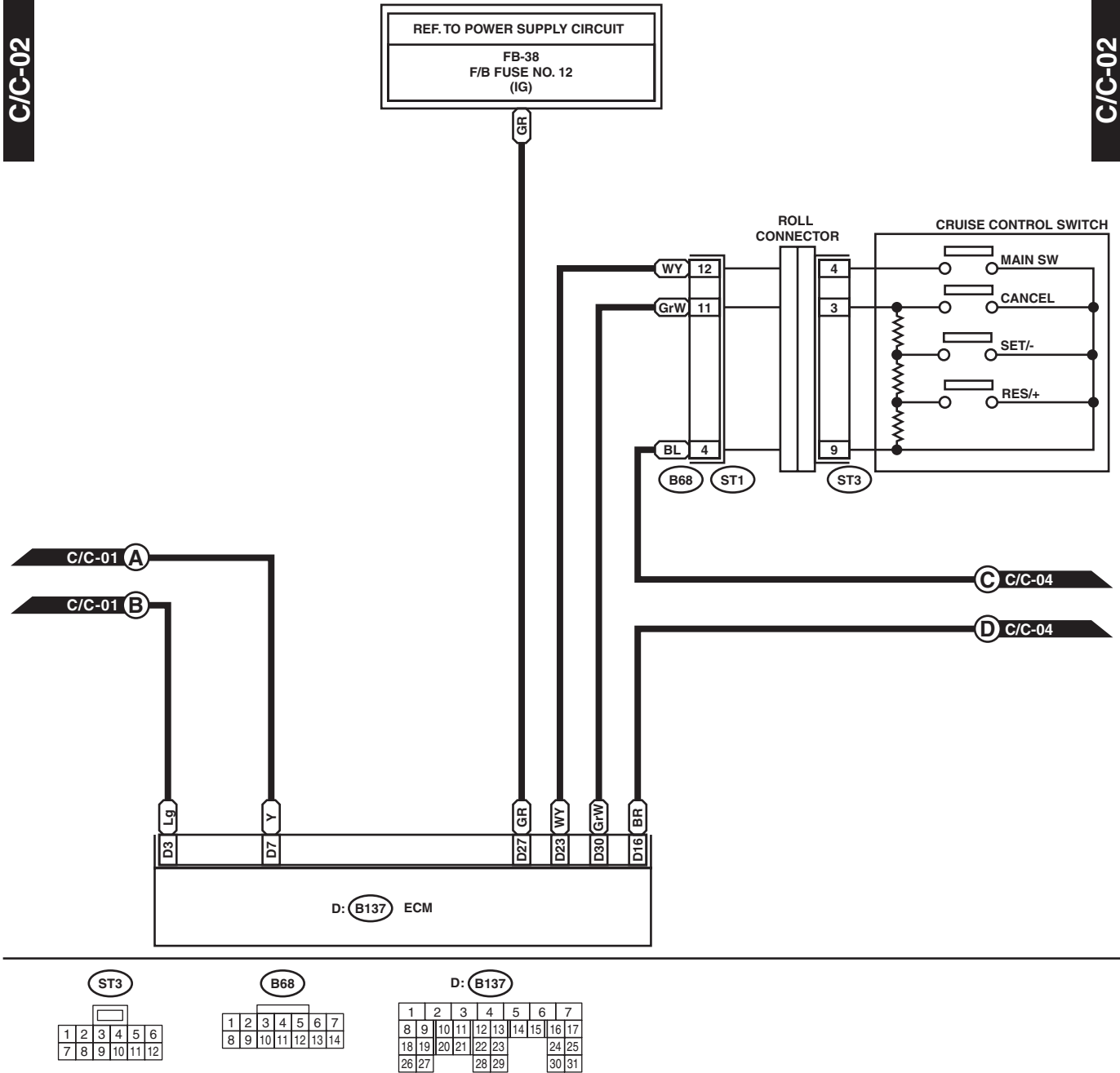
WI-41829

Cruise Control System

WIRING SYSTEM

C/C-02

C/C-02



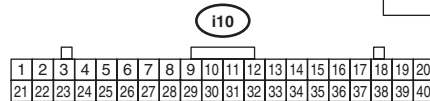
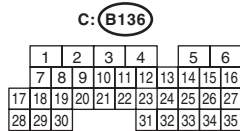
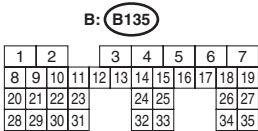
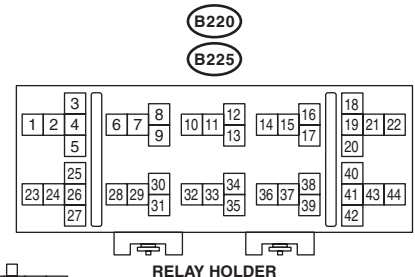
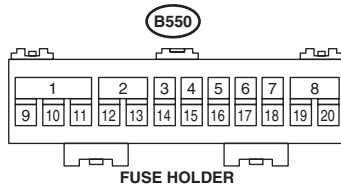
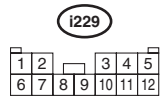
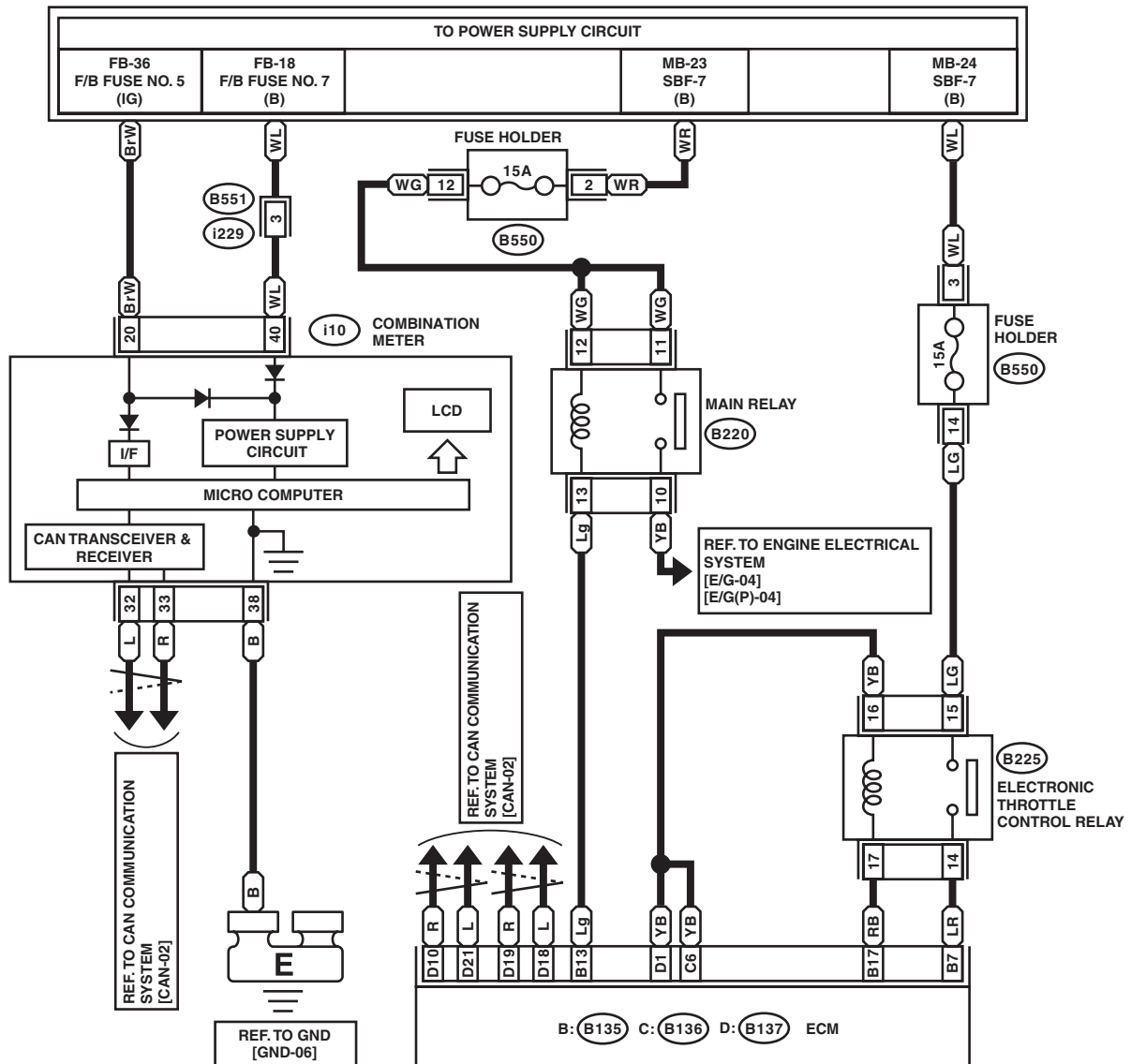
WI-48081

Cruise Control System

WIRING SYSTEM

C/C-03

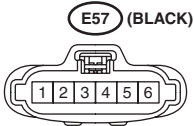
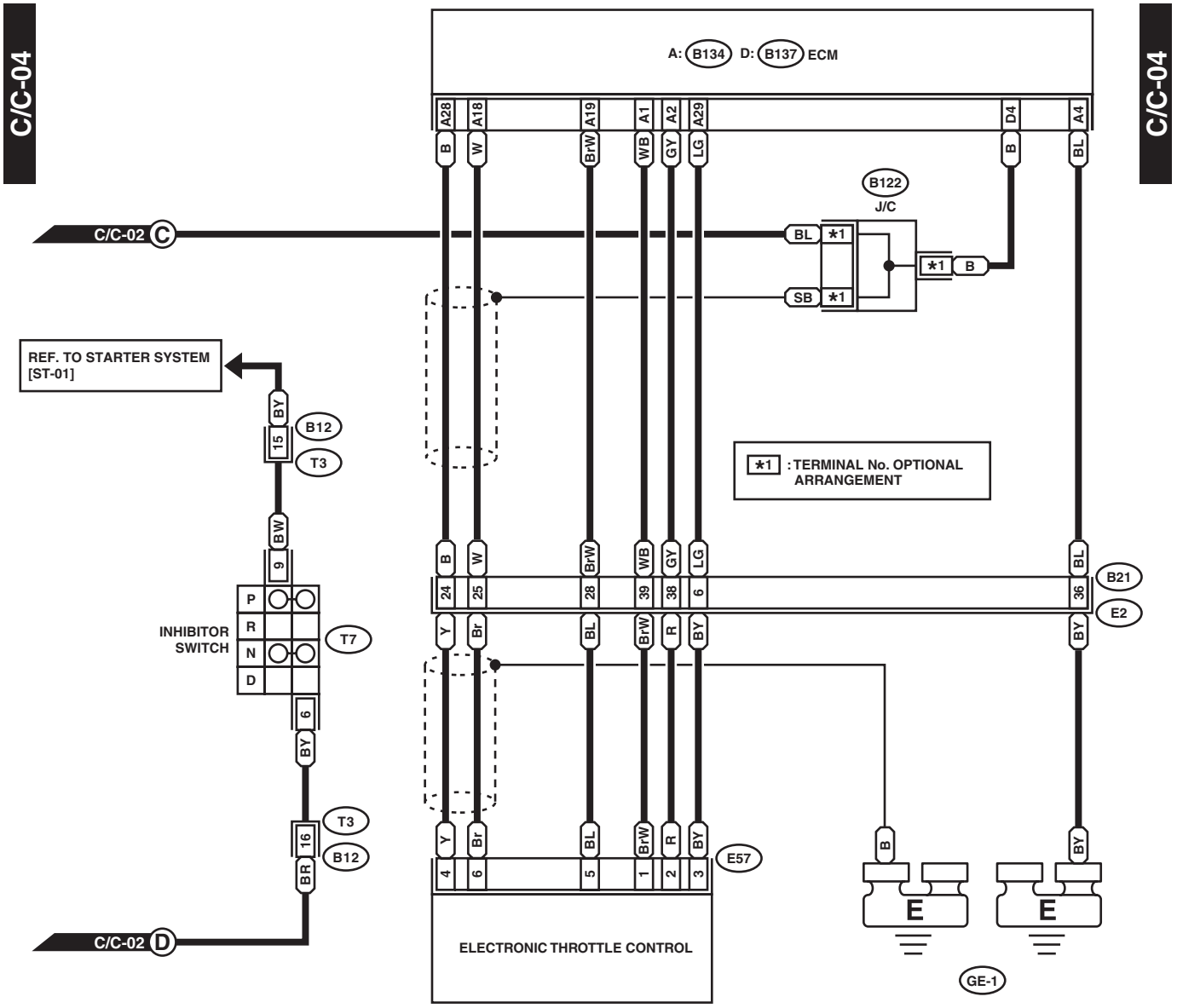
C/C-03



WI-41831

Cruise Control System

WIRING SYSTEM



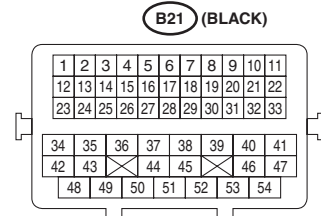
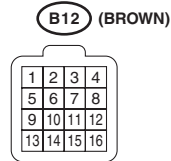
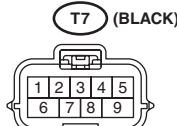
A: B134

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	



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				



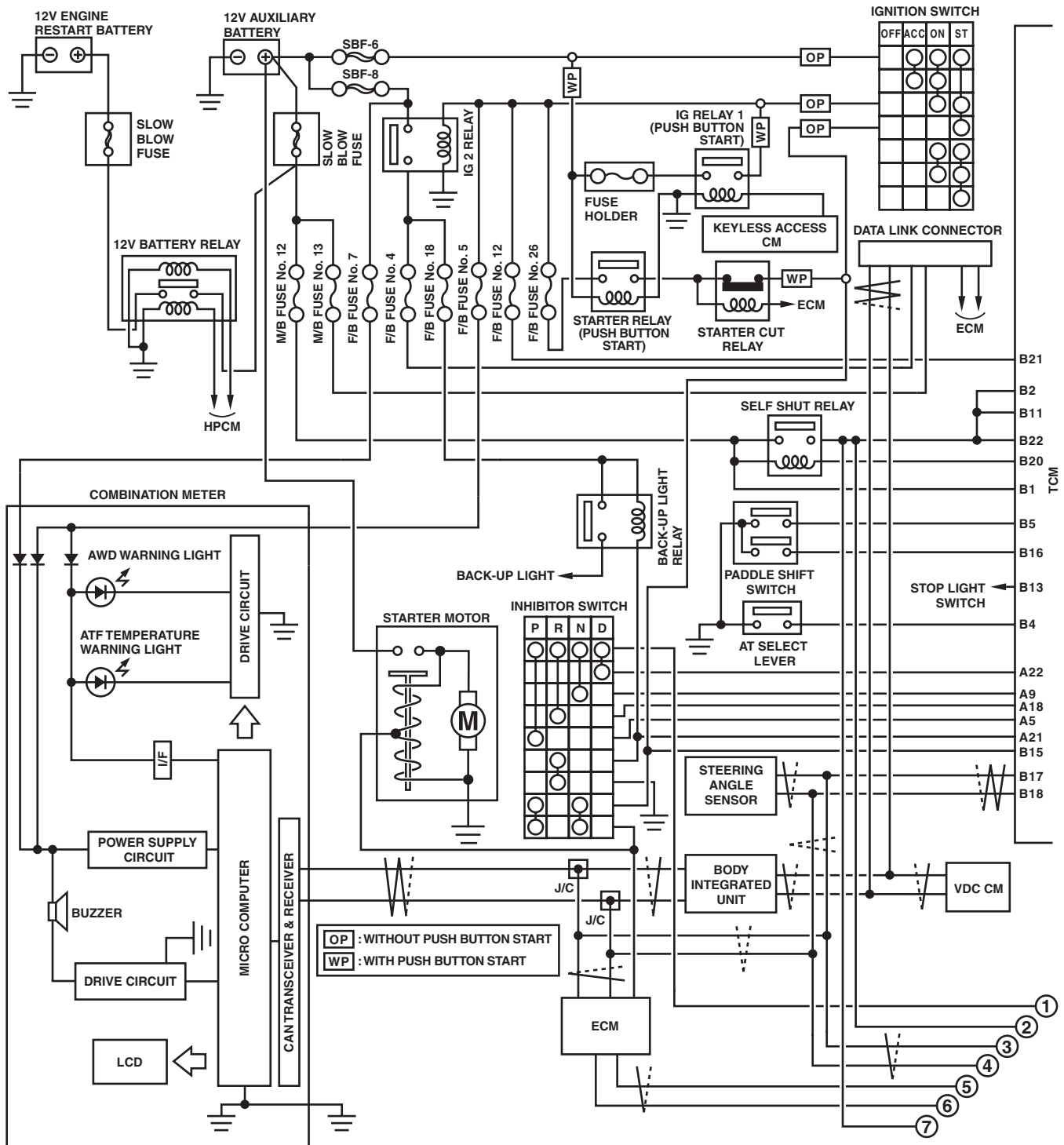
WI-48157

CVT Control System

WIRING SYSTEM

16.CVT Control System

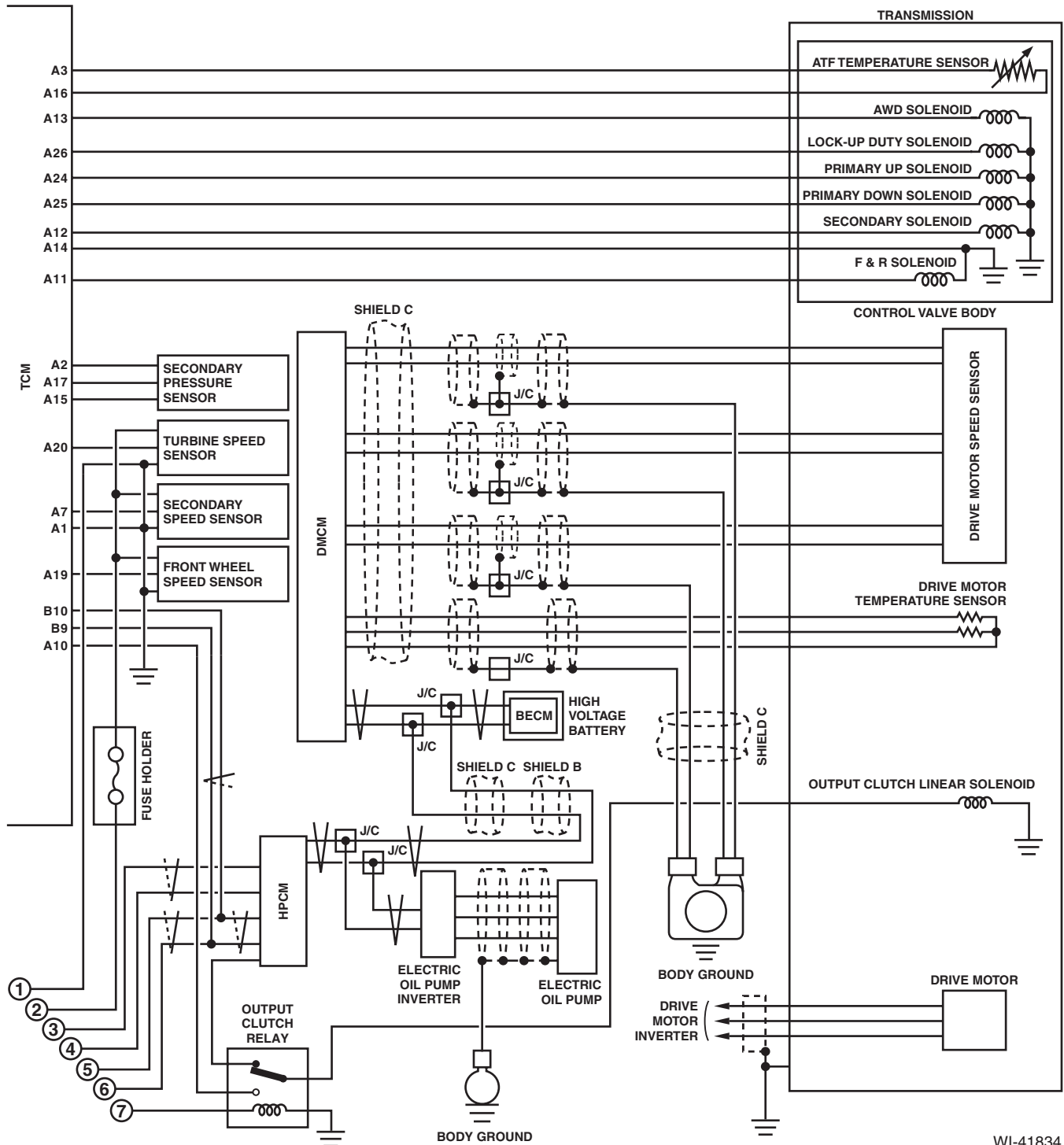
A: WIRING DIAGRAM



WI-48158

CVT Control System

WIRING SYSTEM



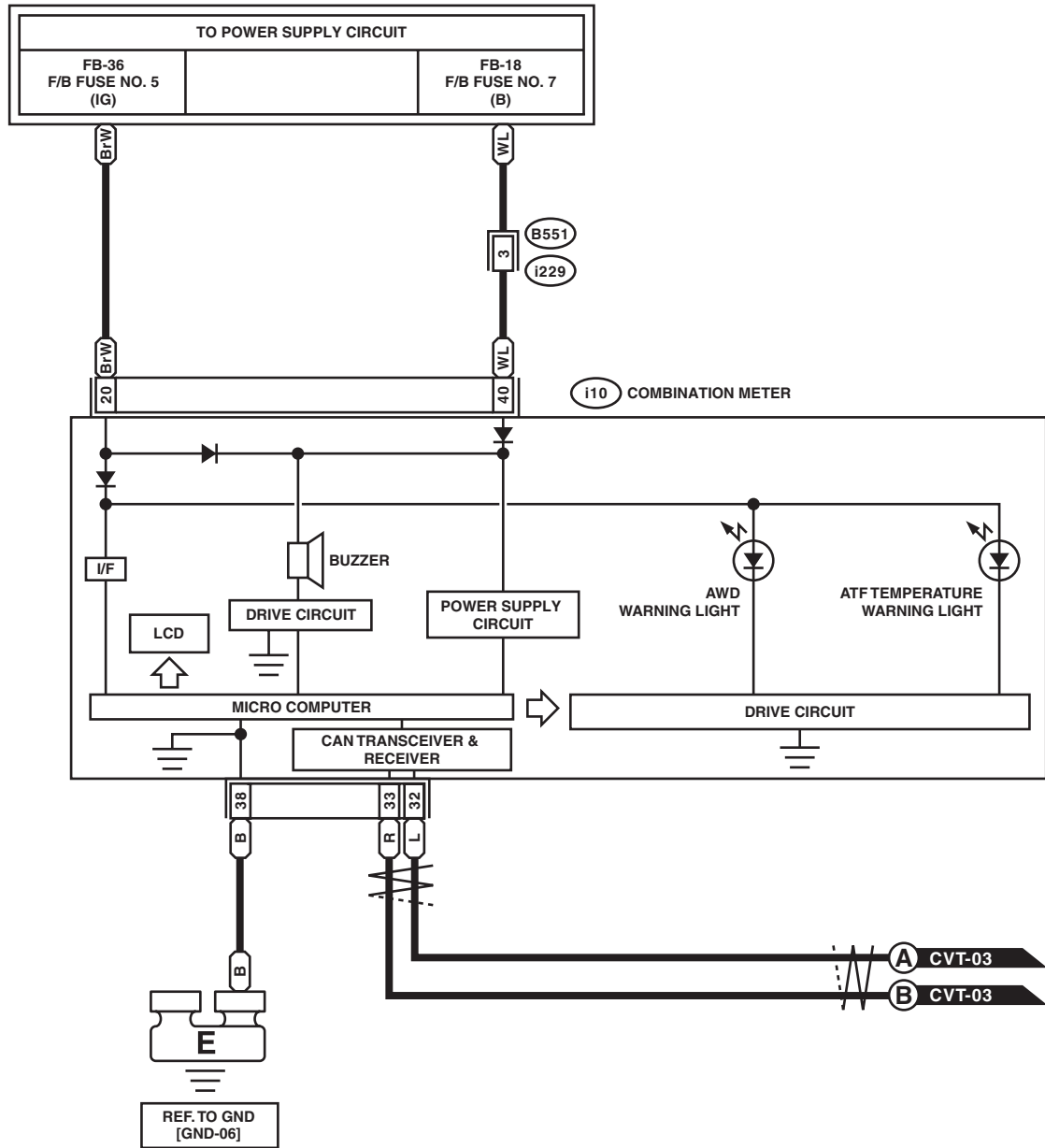
WI-41834

CVT Control System

WIRING SYSTEM

CVT-01

CVT-01



i229

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

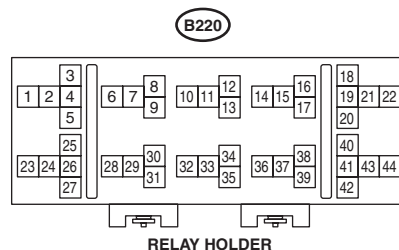
i10

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

WI-41835

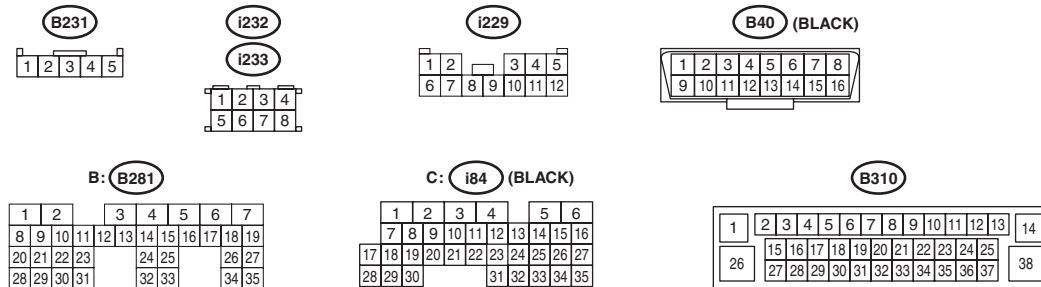
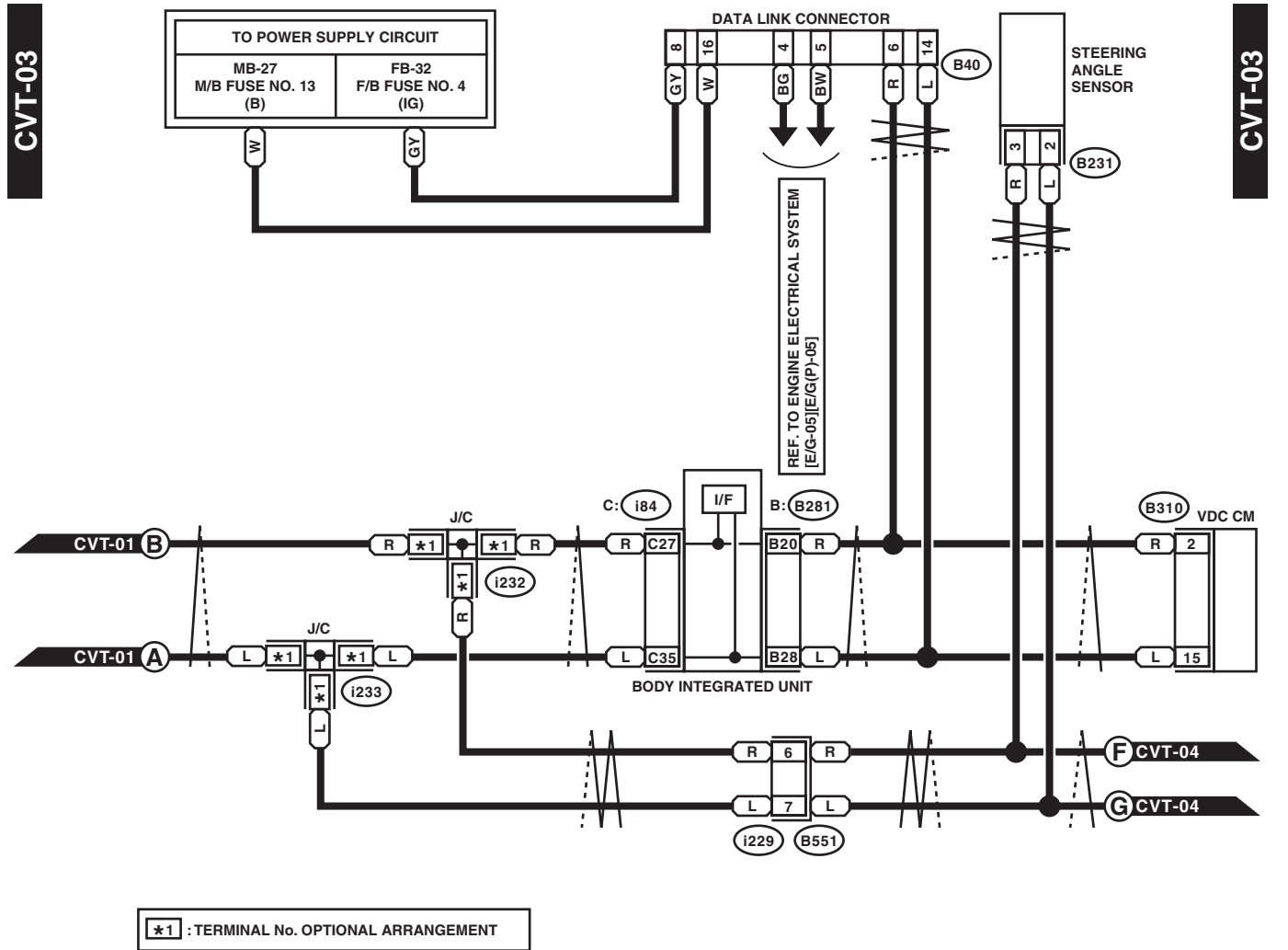
WIRING SYSTEM

CVT-02

**WI(HEV)-89**

CVT Control System

WIRING SYSTEM



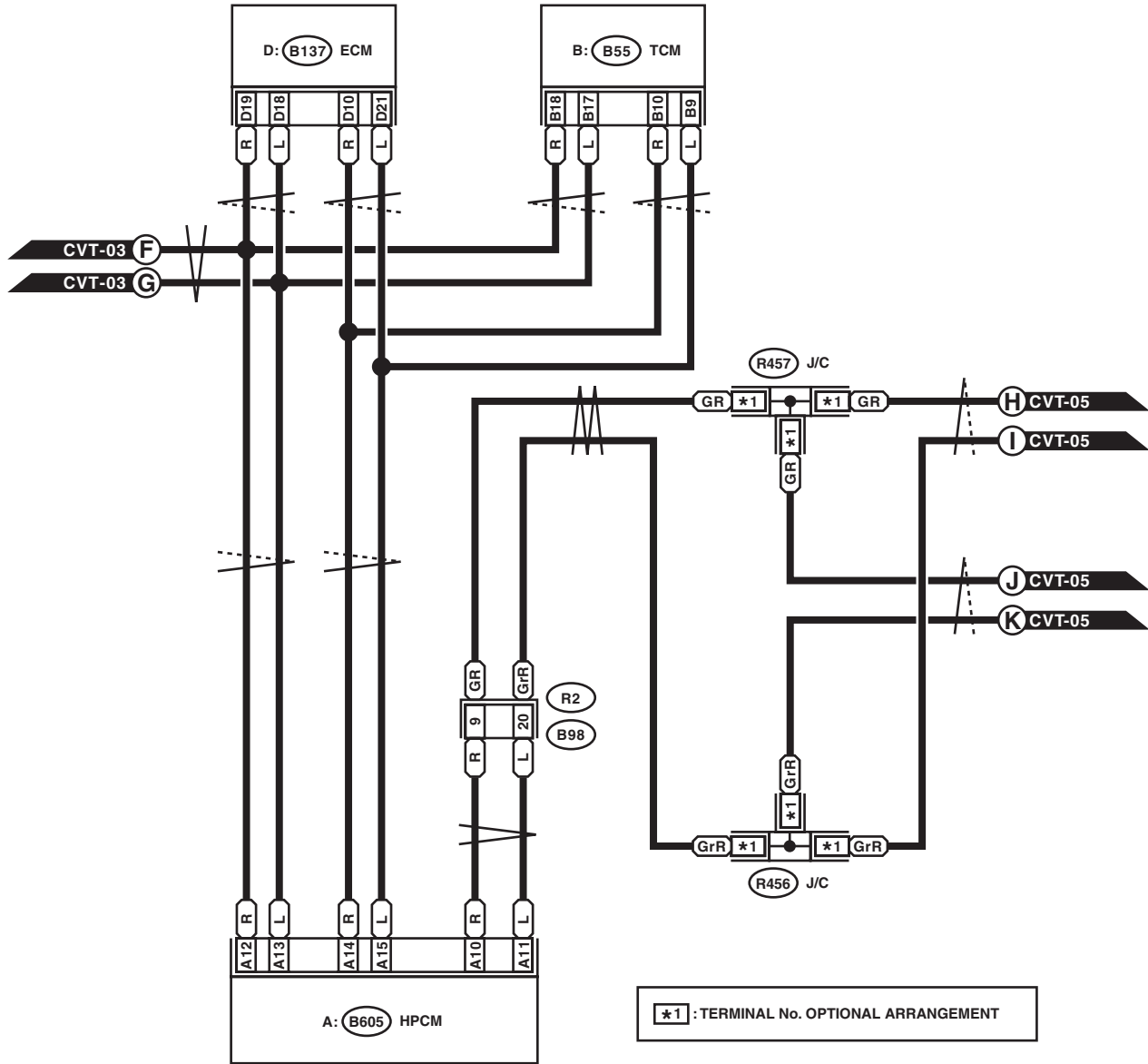
WI-41837

CVT Control System

WIRING SYSTEM

CVT-04

CVT-04



B98

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

R456

1	2	3	4

R457

1	2	3	4

A: B605

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				

B: B55 (GREEN)

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

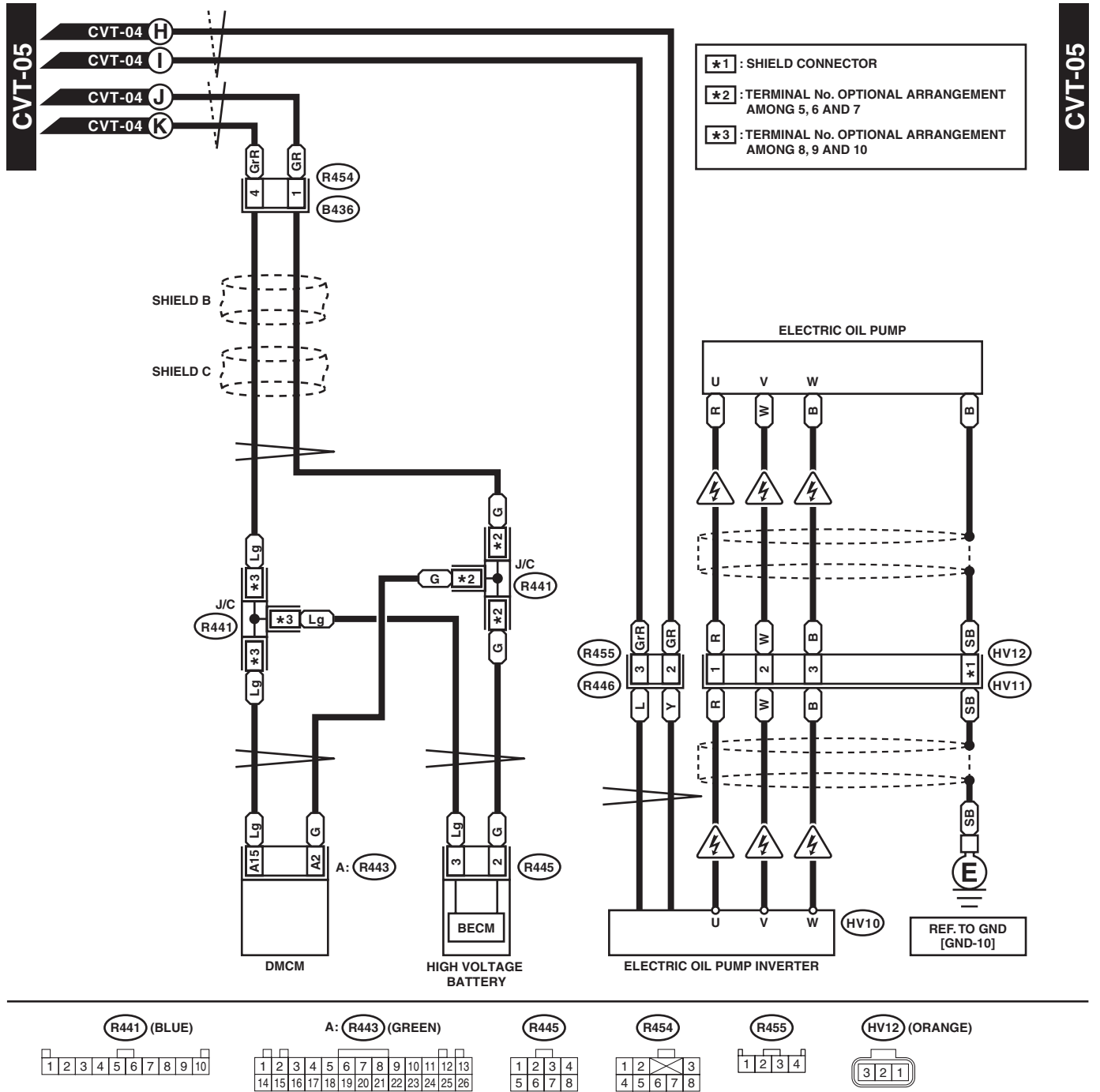
D: B137

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				

WI-48708

CVT Control System

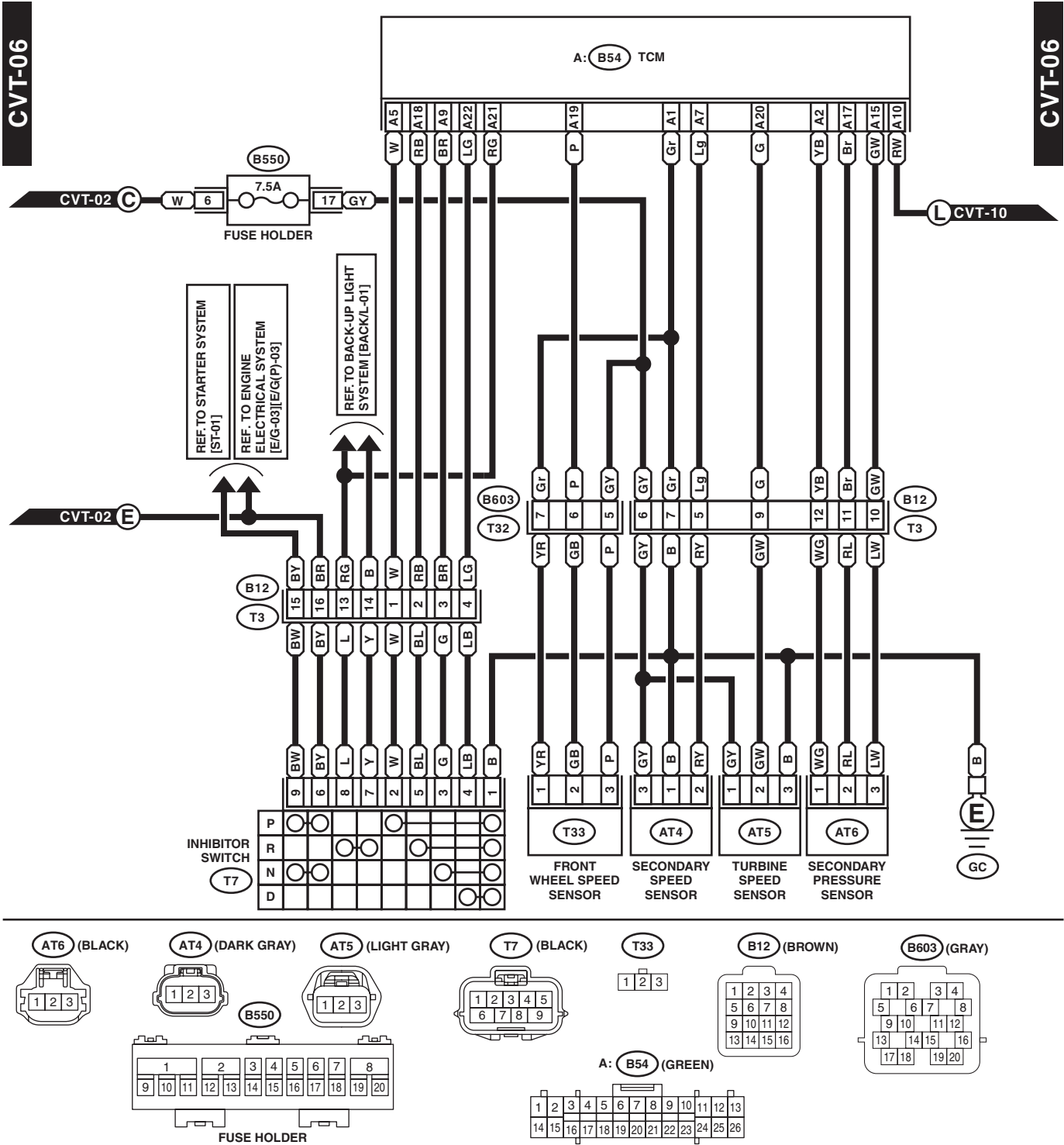
WIRING SYSTEM



WI-41839

CVT Control System

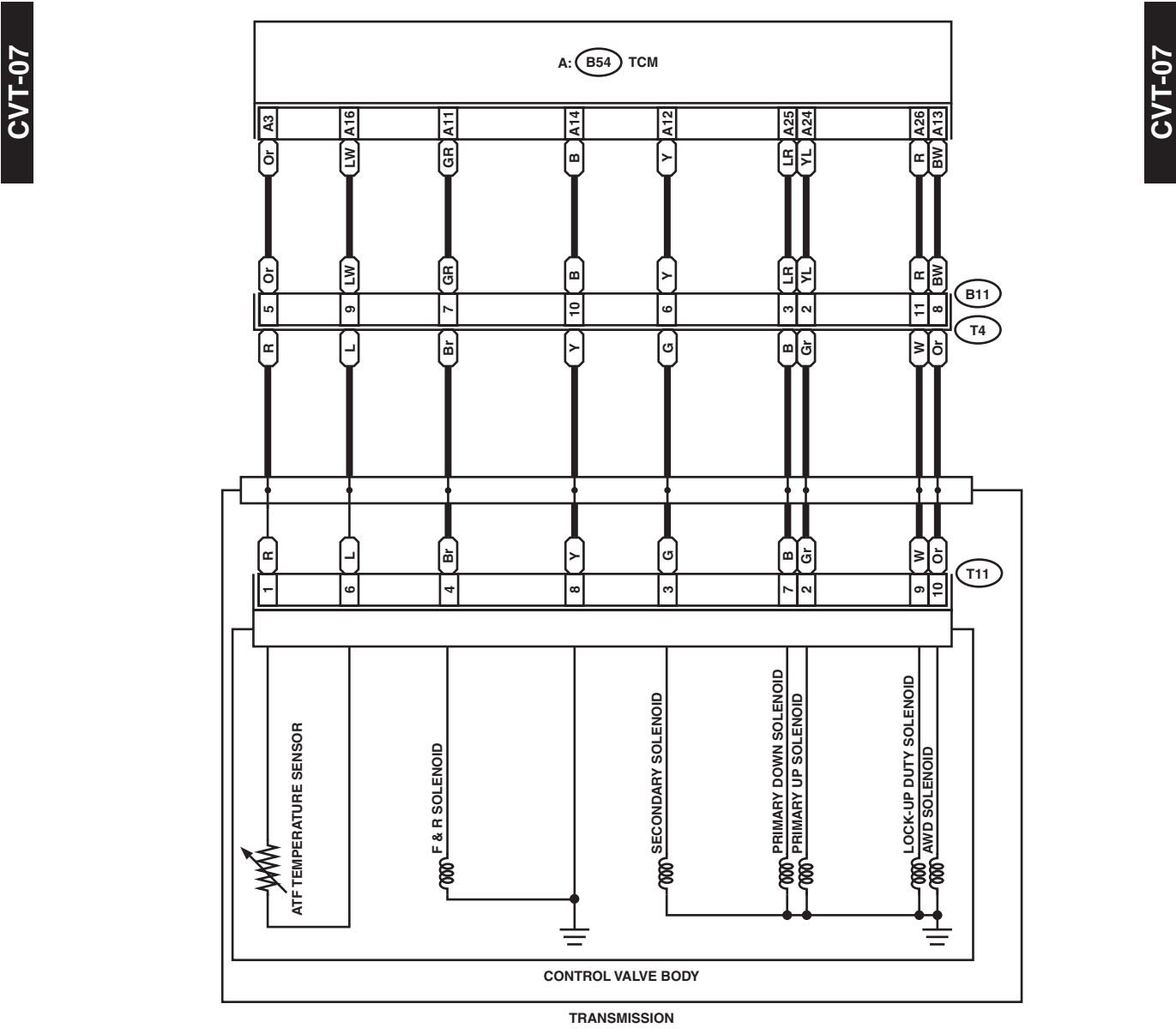
WIRING SYSTEM



WI-41840

CVT Control System

WIRING SYSTEM



T11

1	2	3	4	5
6	7	8	9	10

B11 (LIGHT GRAY)

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

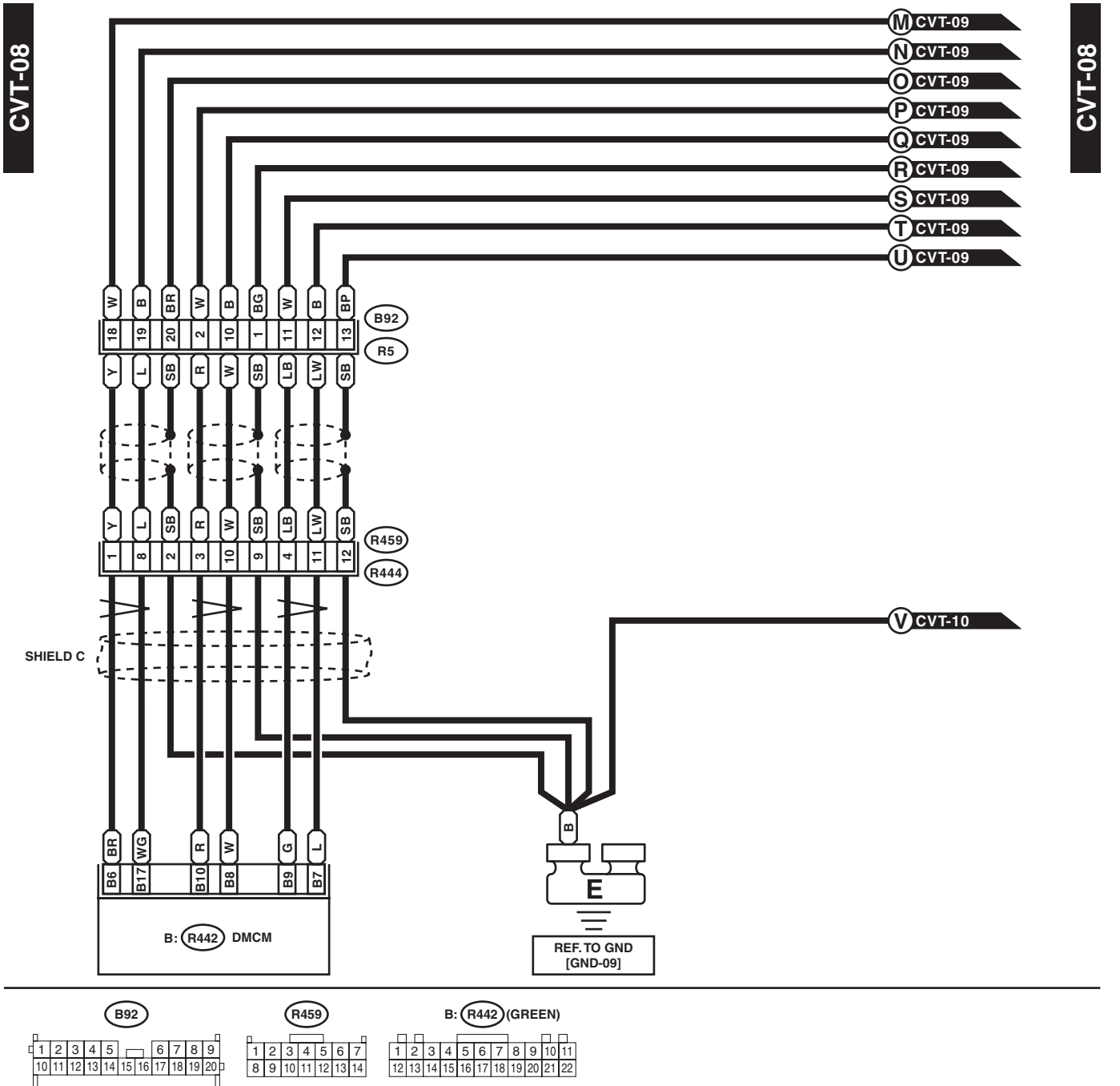
A: B54 (GREEN)

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

WI-41841

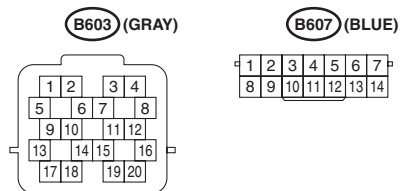
CVT Control System

WIRING SYSTEM



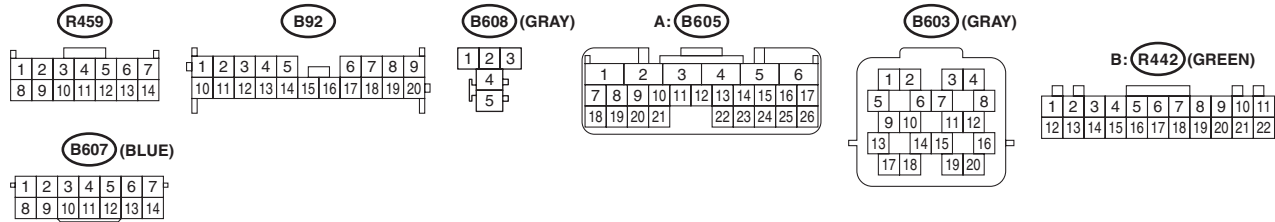
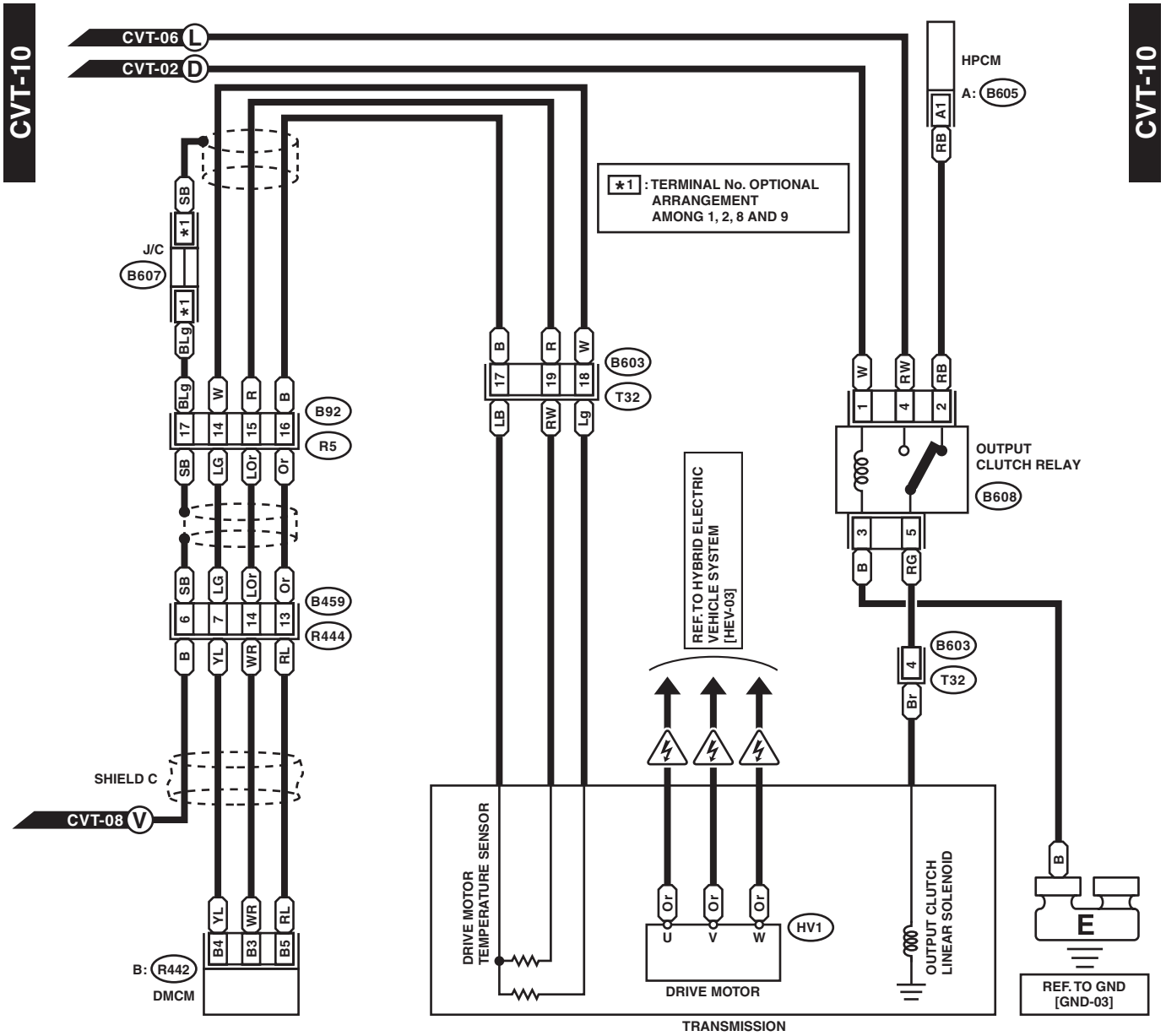
WI-41842

WIRING SYSTEM

**WI(HEV)-96**

CVT Control System

WIRING SYSTEM

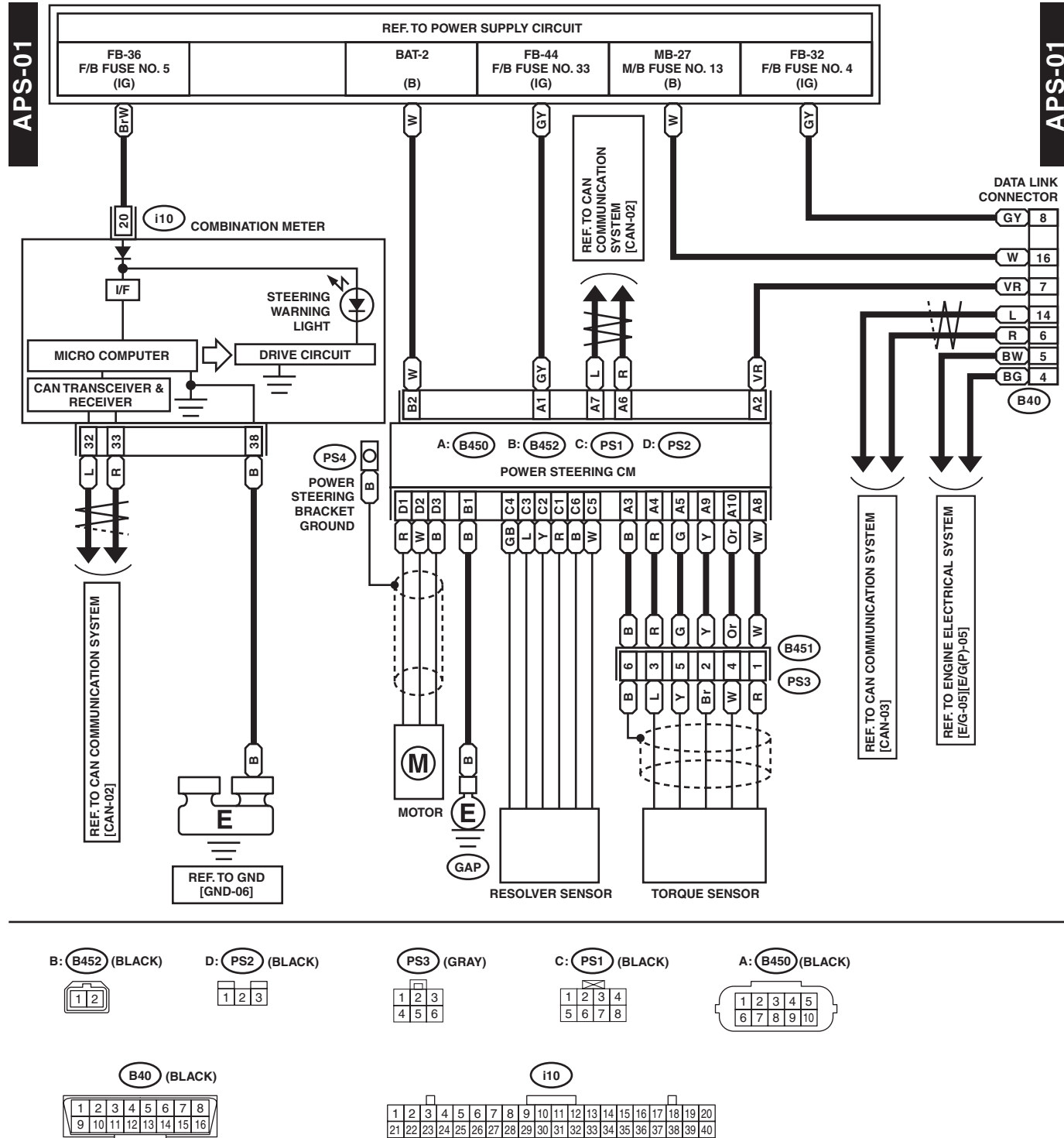


WI-41844

WIRING SYSTEM

17. Electric Power Steering System

A: WIRING DIAGRAM



WI-48709

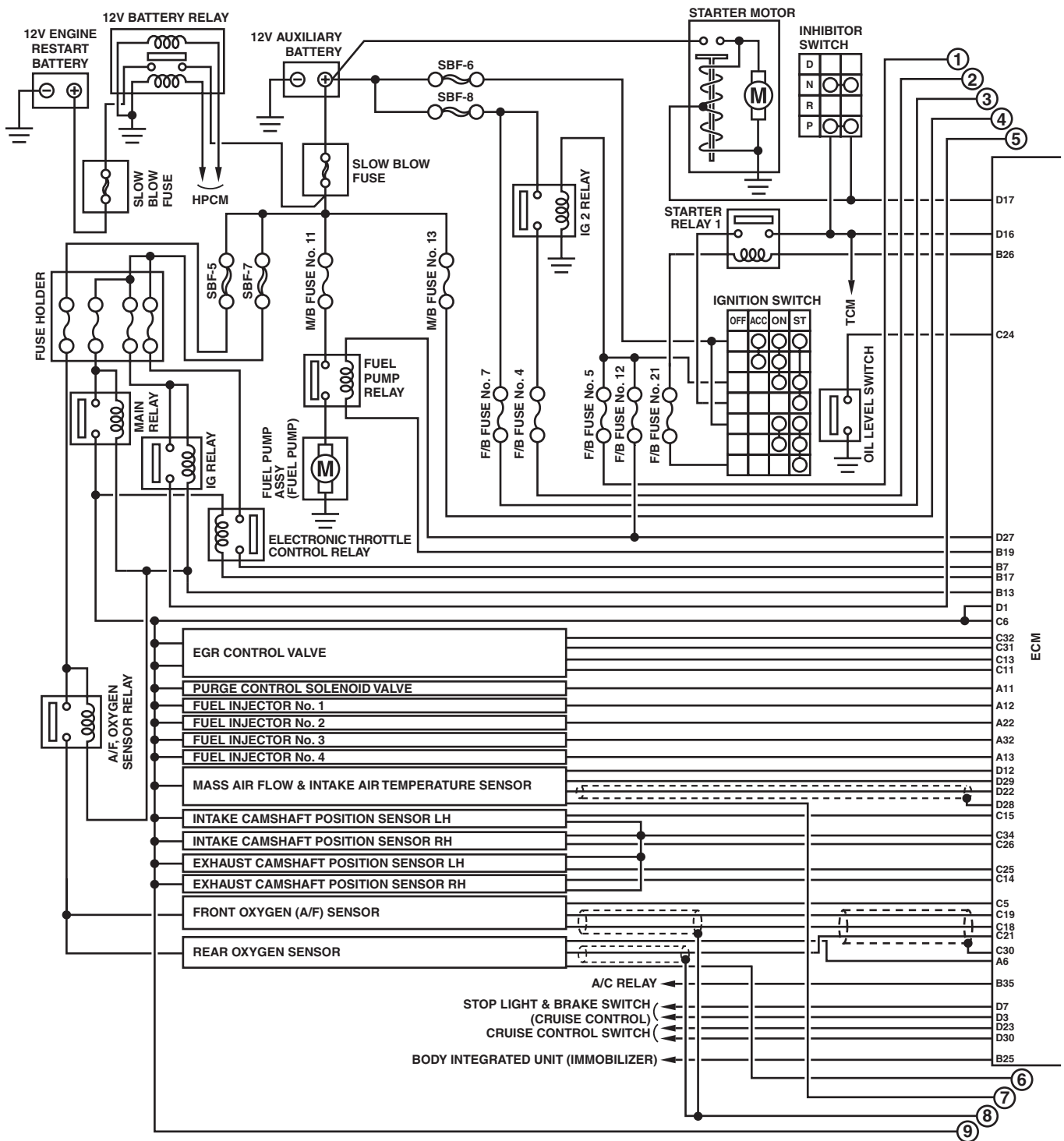
Engine Electrical System

WIRING SYSTEM

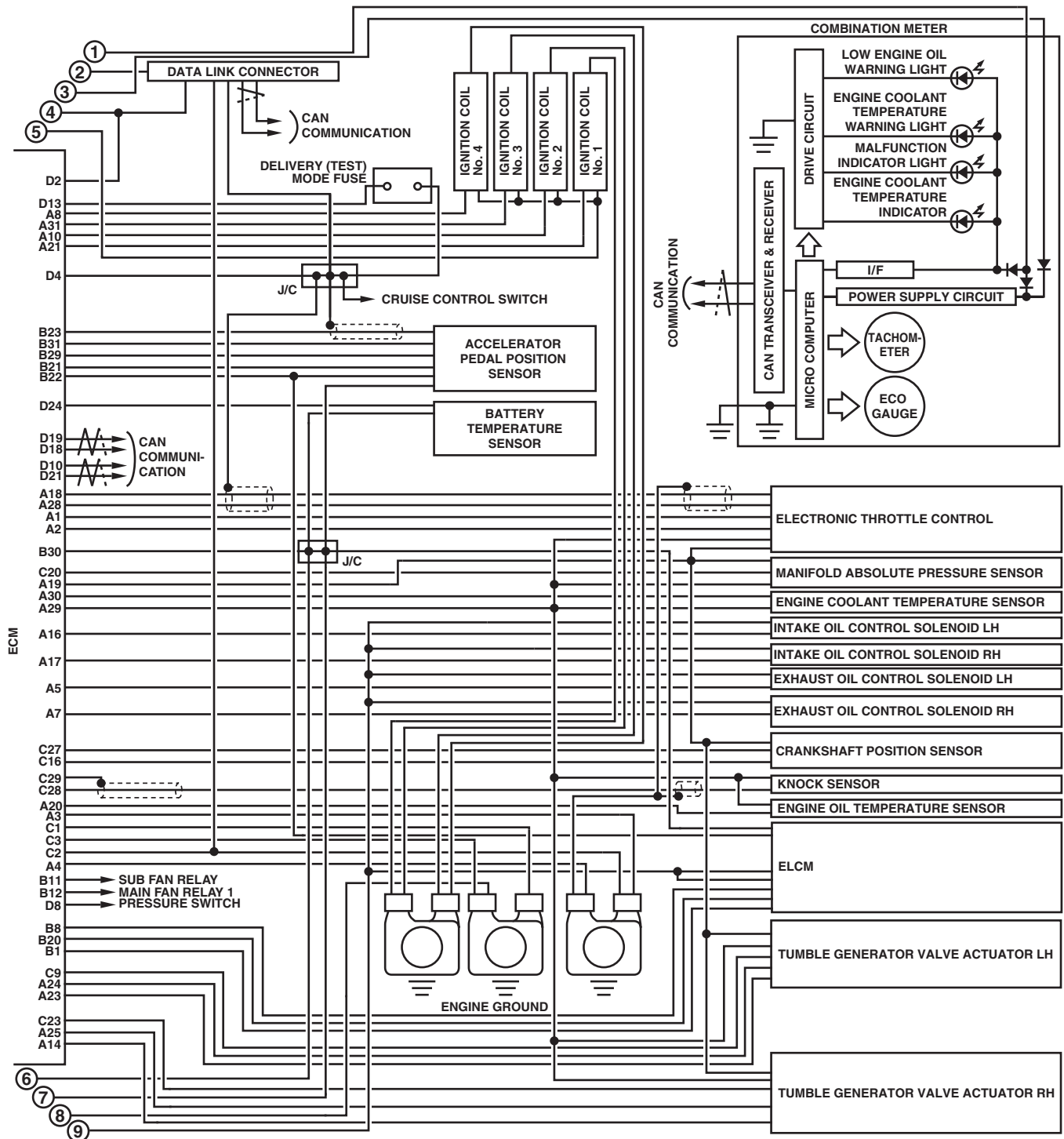
18.Engine Electrical System

A: WIRING DIAGRAM

1. WITHOUT PUSH BUTTON START

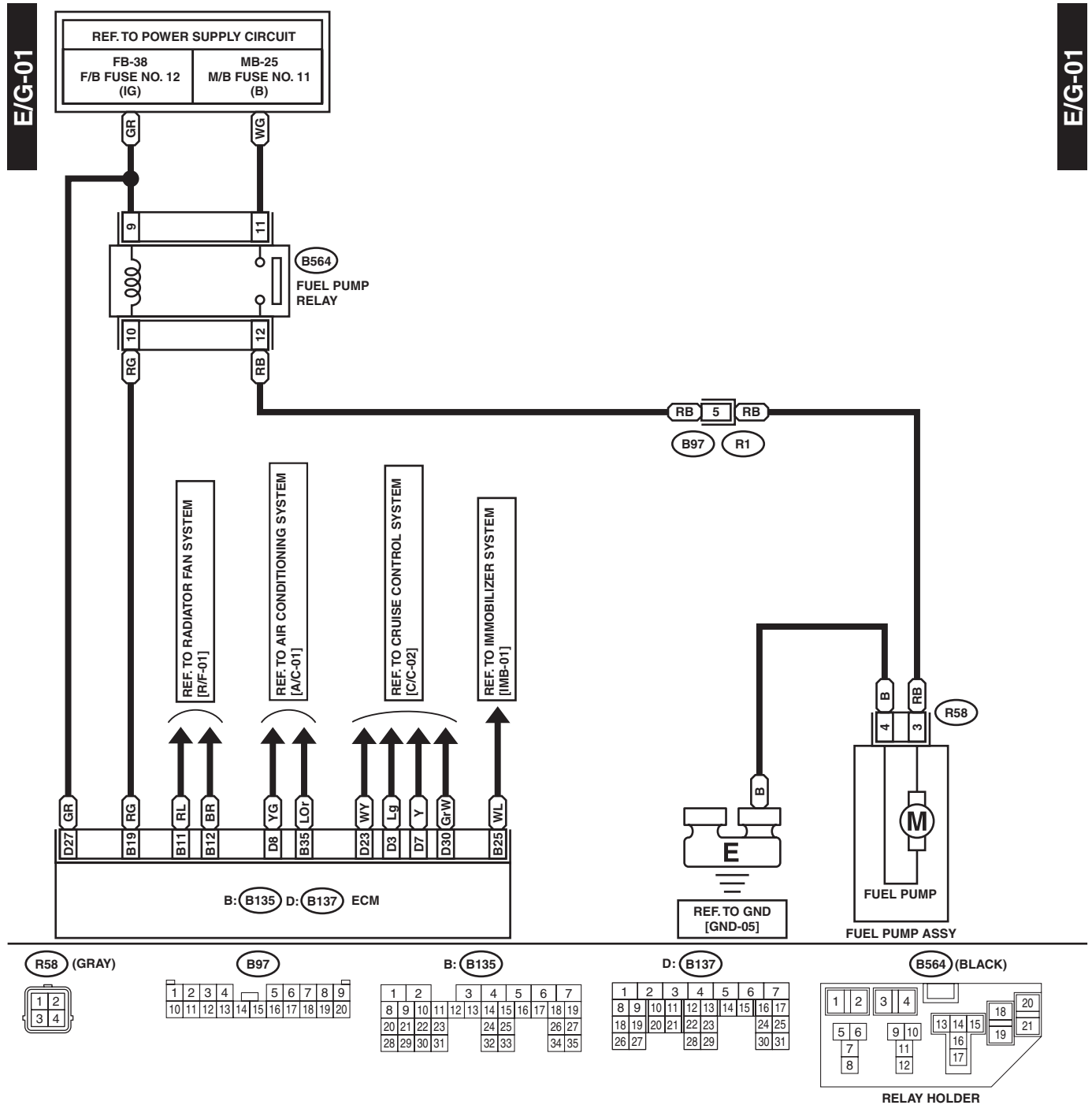


WI-48710

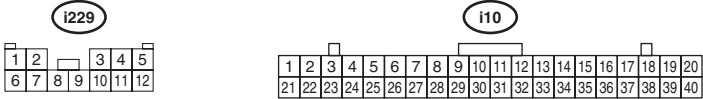
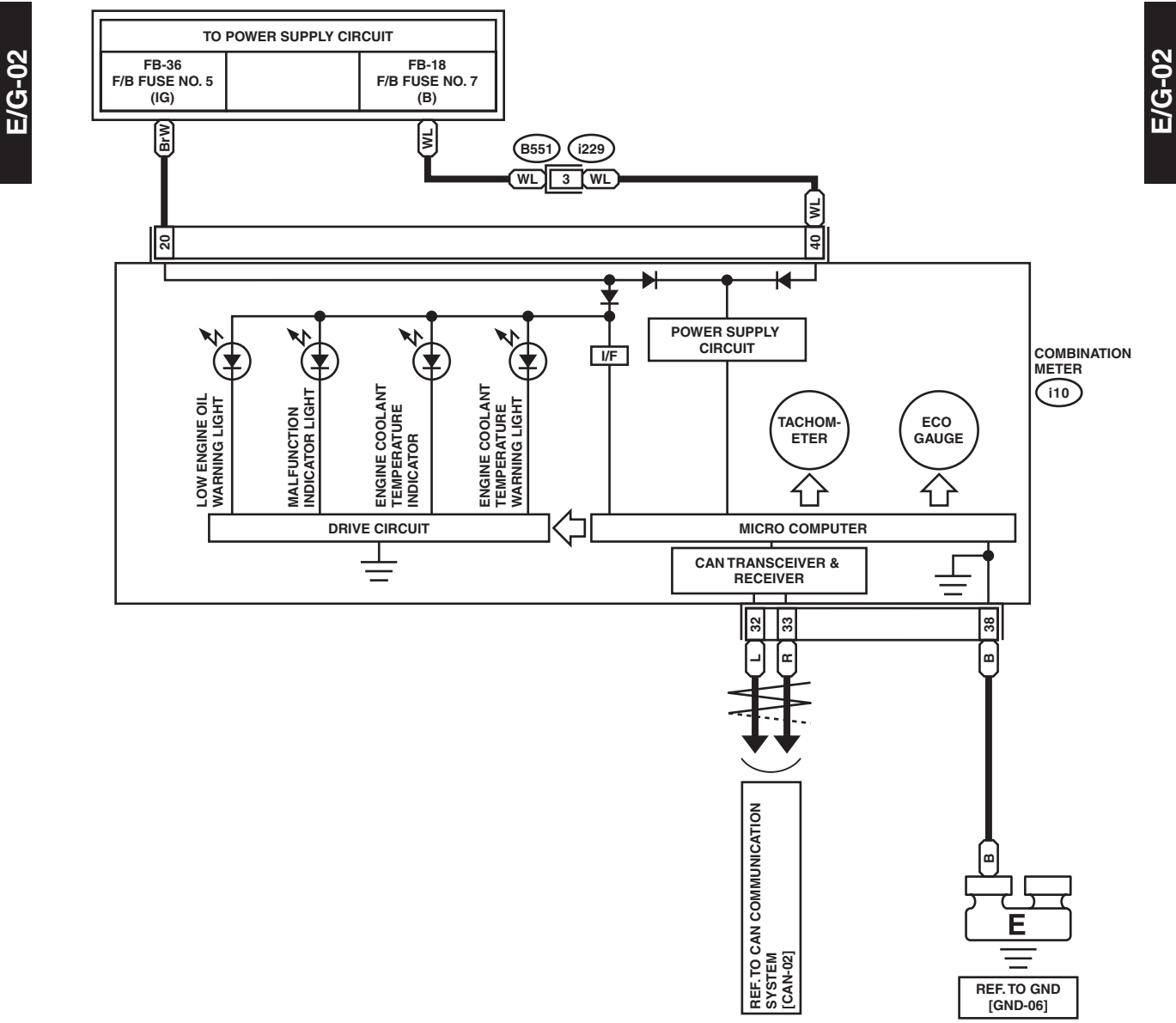


WI-48711

WIRING SYSTEM

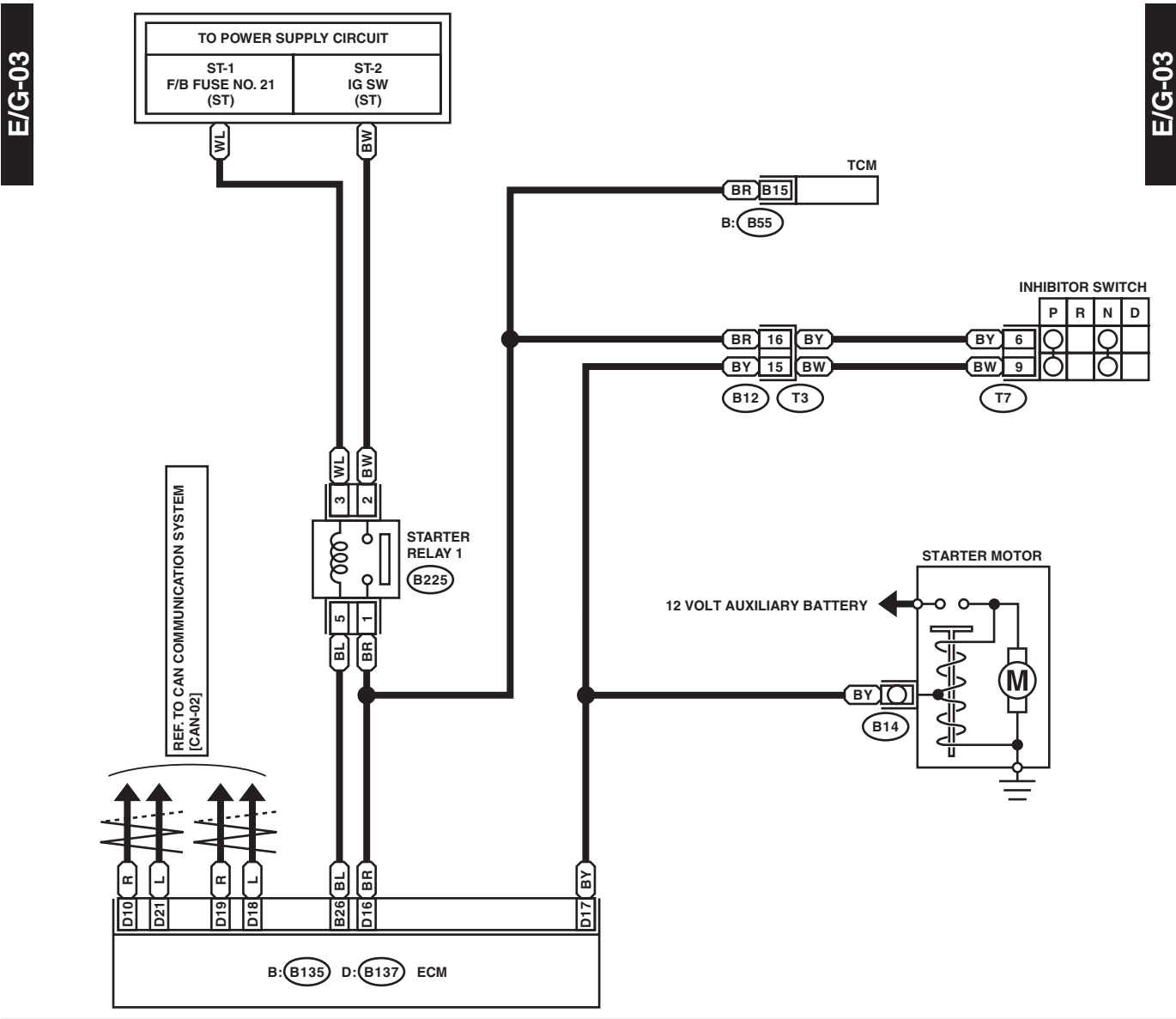


WI-48083



Engine Electrical System

WIRING SYSTEM



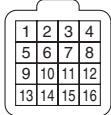
B: B55 (GREEN)



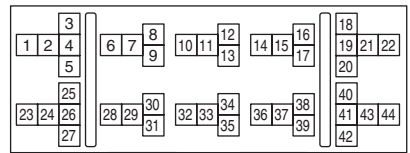
T7 (BLACK)



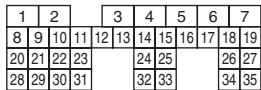
B12 (BROWN)



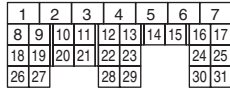
B225



B: B135

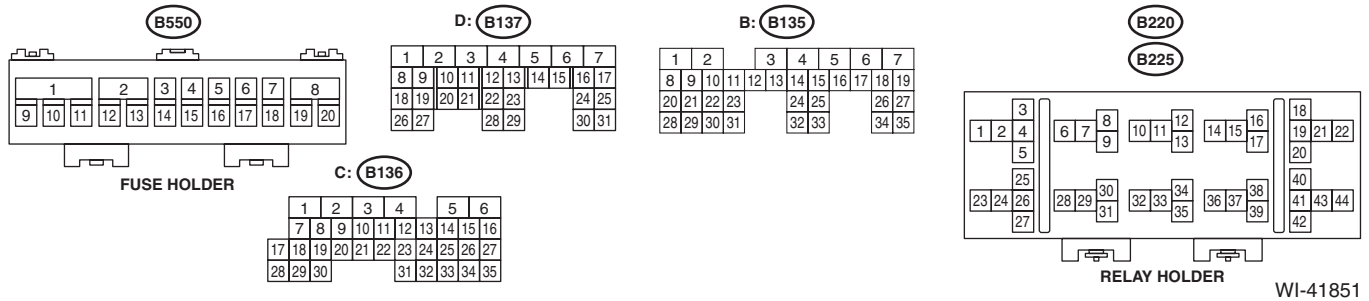
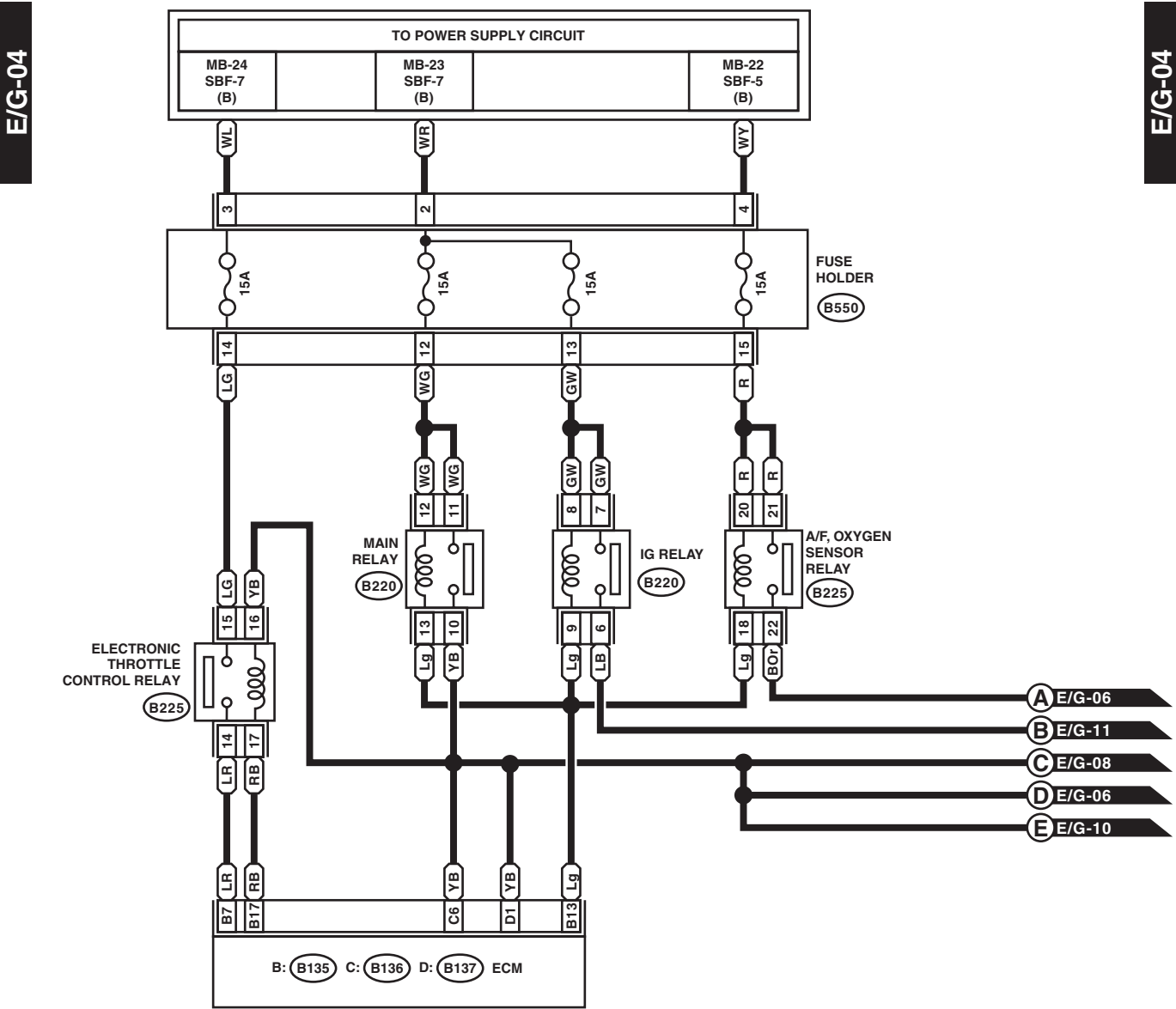


D: B137



RELAY HOLDER

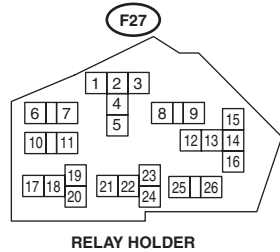
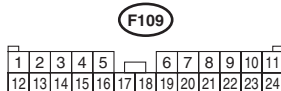
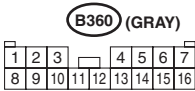
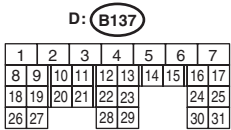
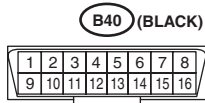
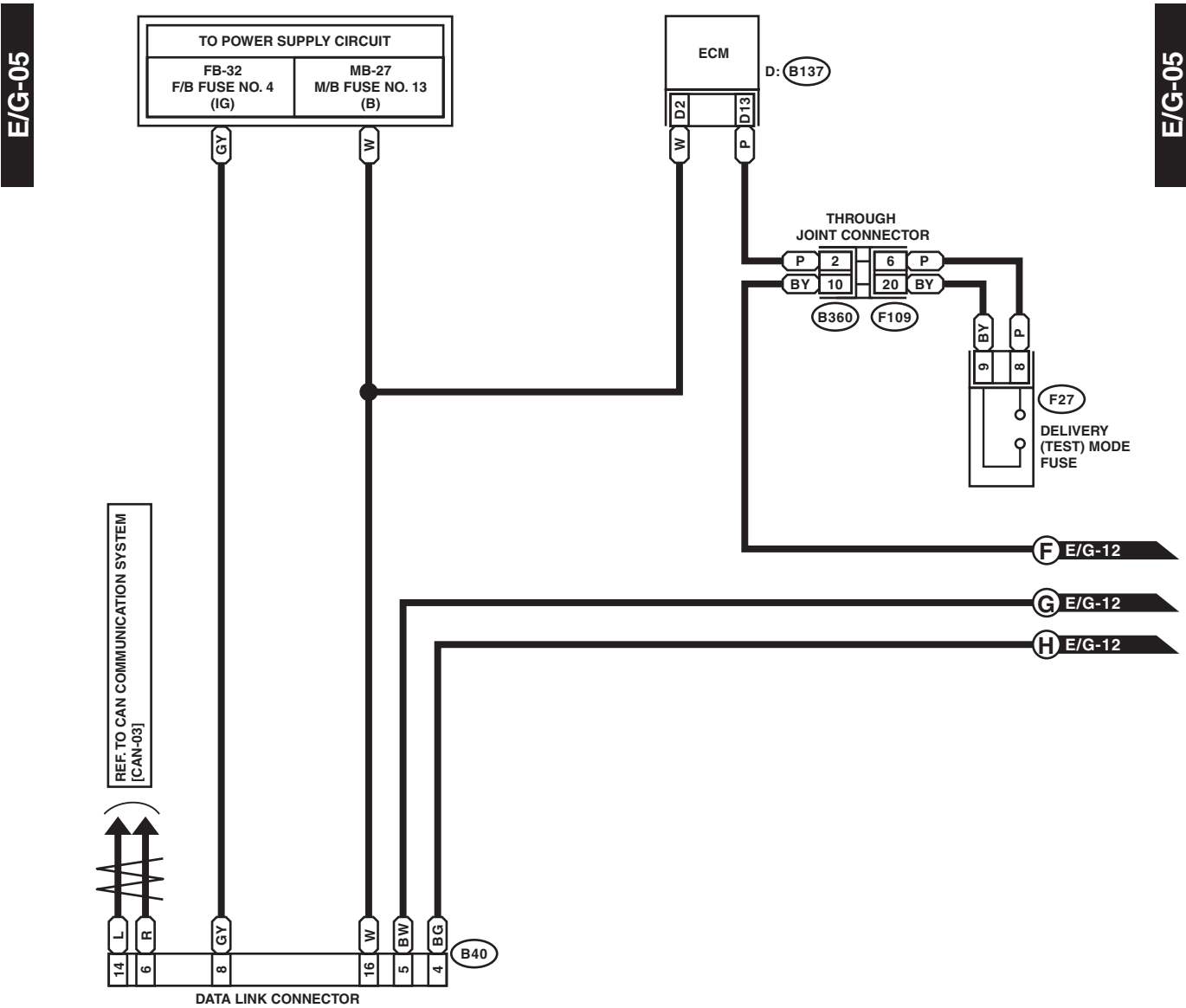
WI-41850



WI-41851

Engine Electrical System

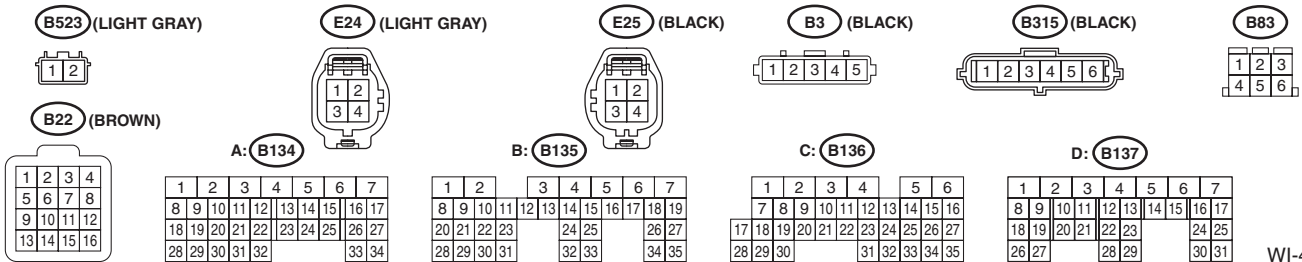
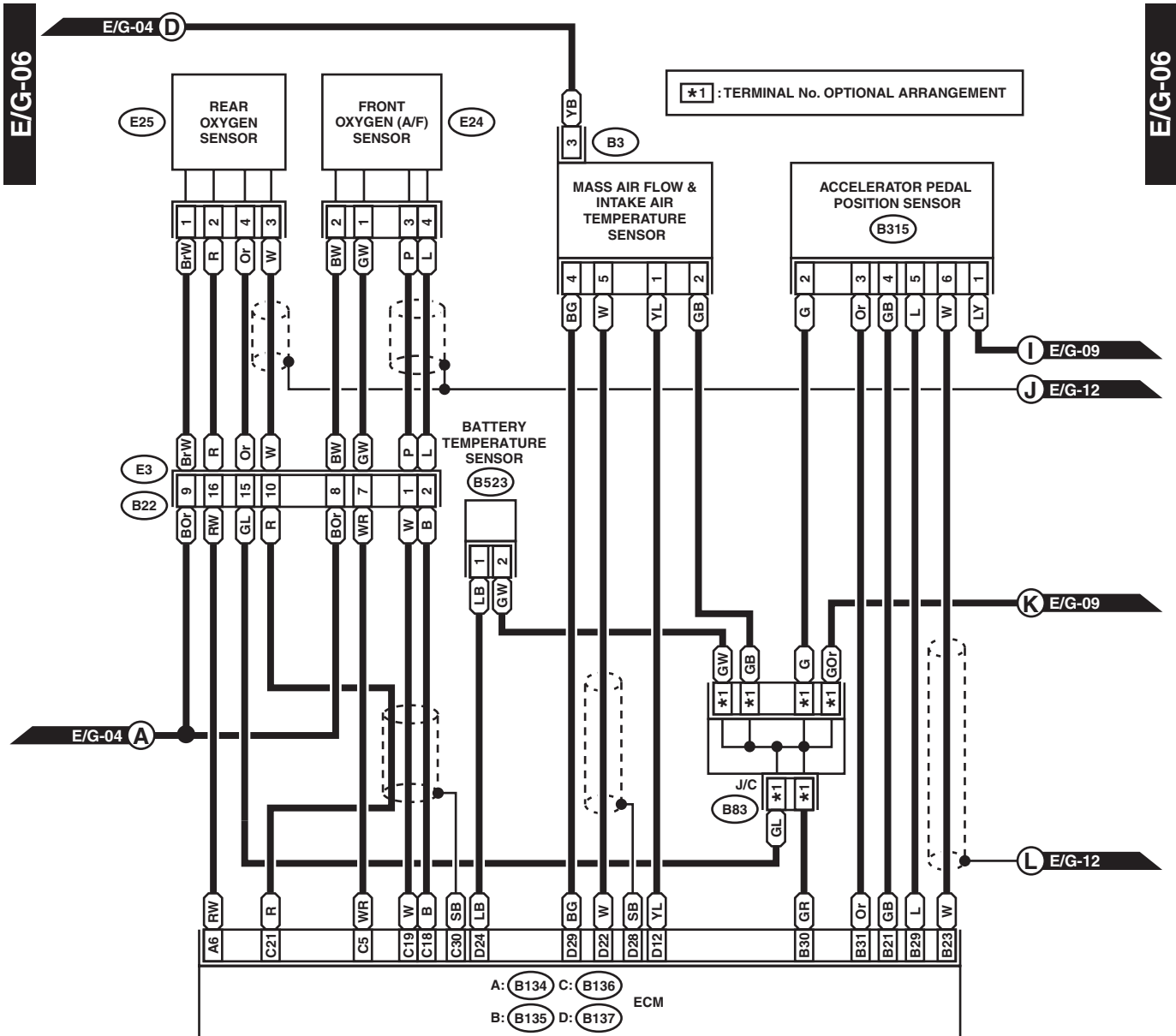
WIRING SYSTEM



WI-41852

Engine Electrical System

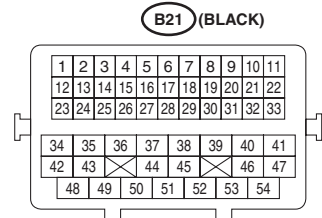
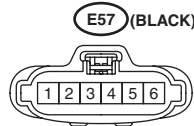
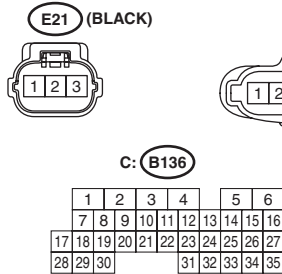
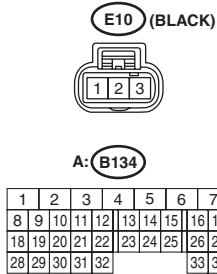
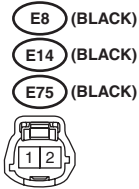
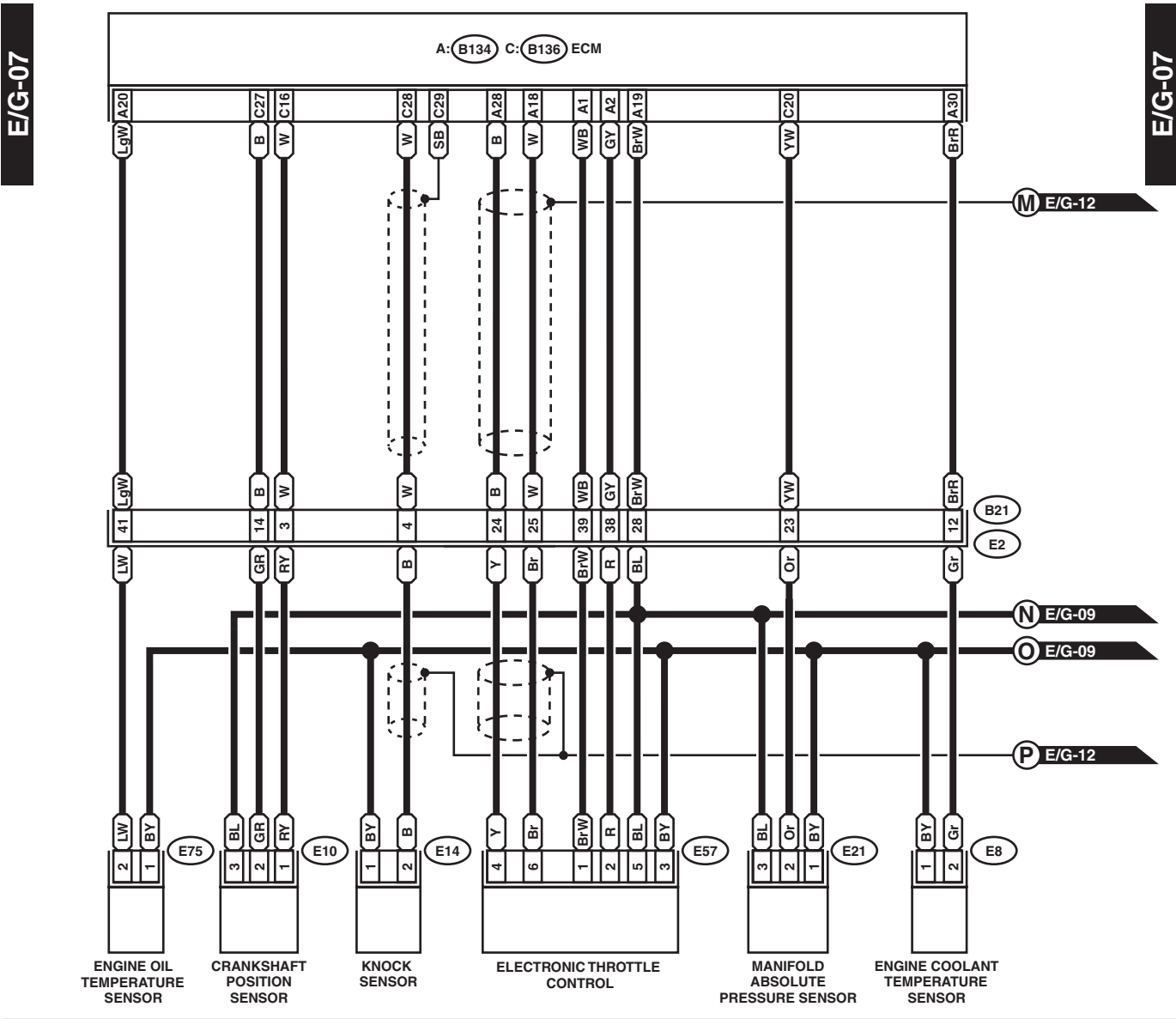
WIRING SYSTEM



WI-48084

Engine Electrical System

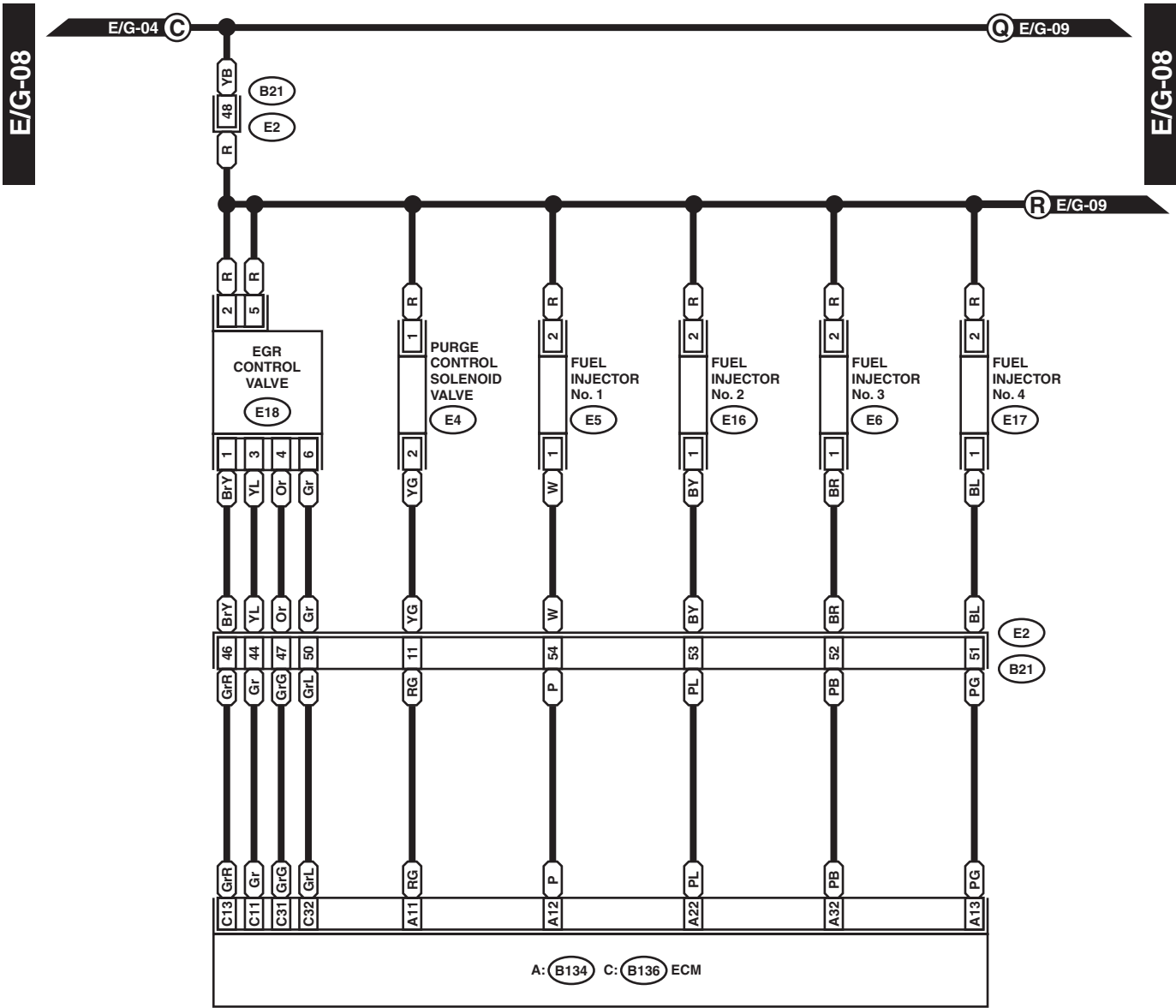
WIRING SYSTEM



WI-48712

Engine Electrical System

WIRING SYSTEM



E4 (BLUE)



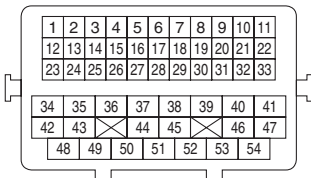
(DARK GRAY) E5 E16 (DARK GRAY)
(DARK GRAY) E6 E17 (DARK GRAY)



E18 (DARK GRAY)



B21 (BLACK)



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	

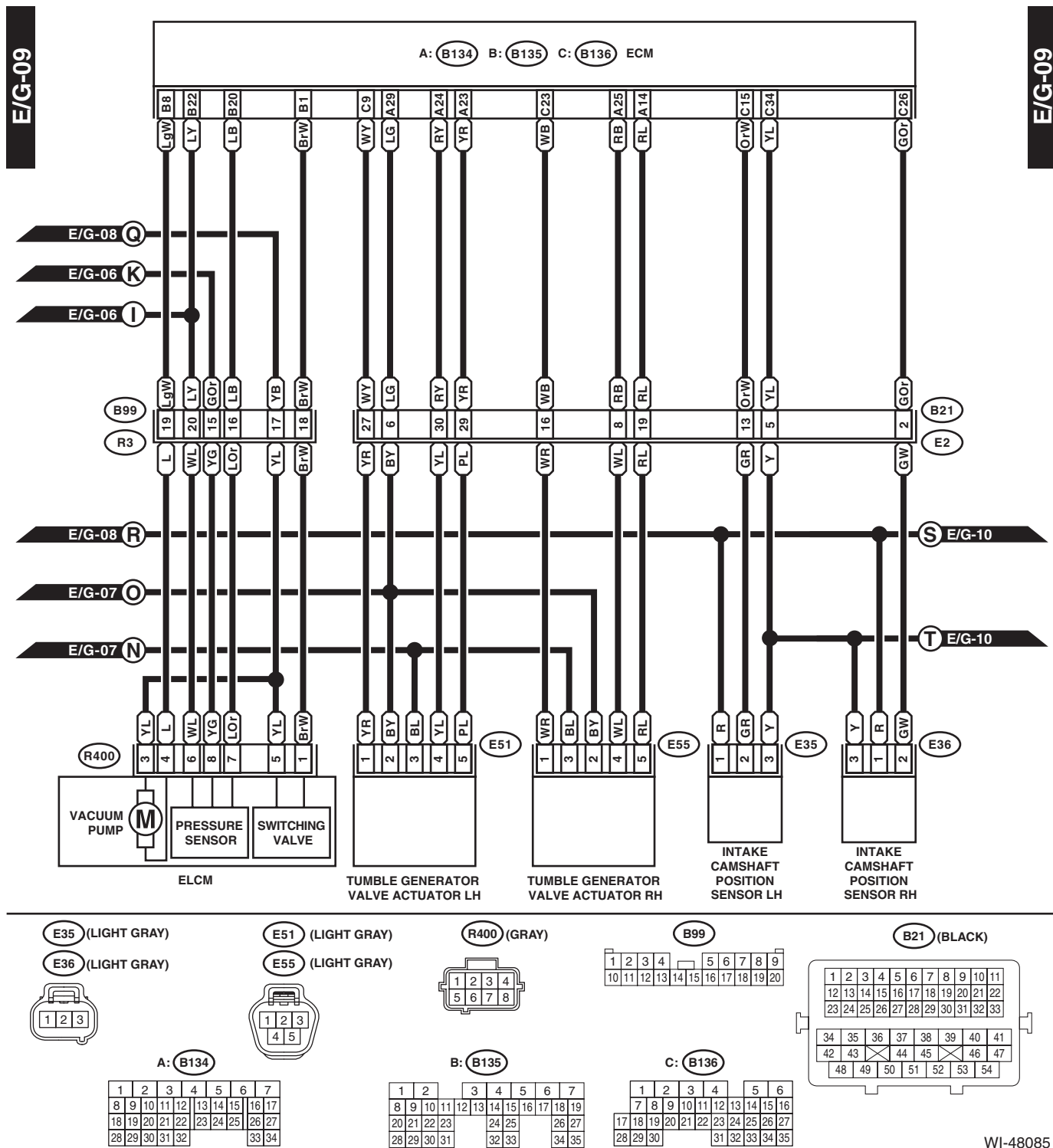
C: B136

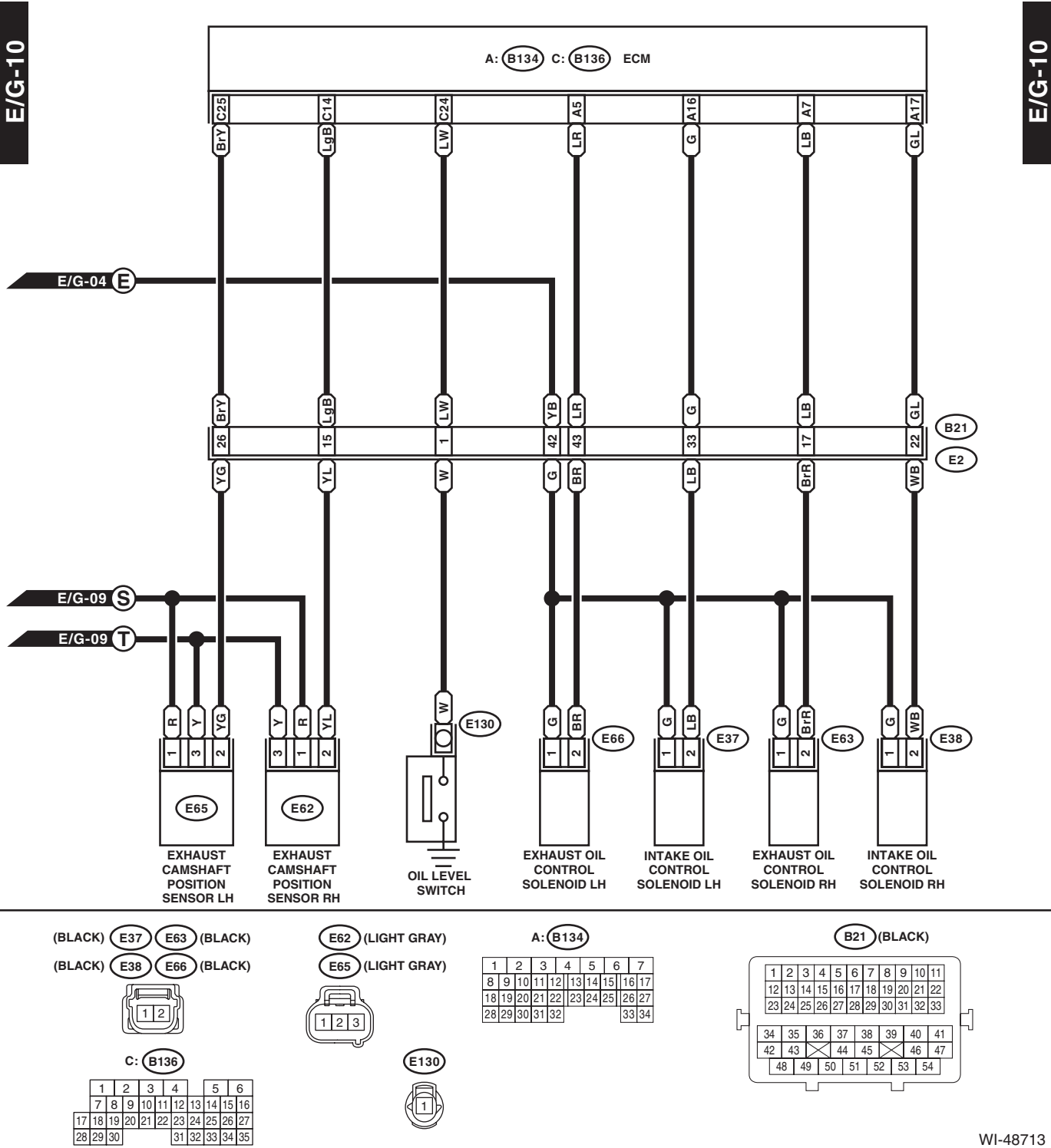
1	2	3	4	5	6
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30
31	32	33	34	35	

WI-41855

Engine Electrical System

WIRING SYSTEM

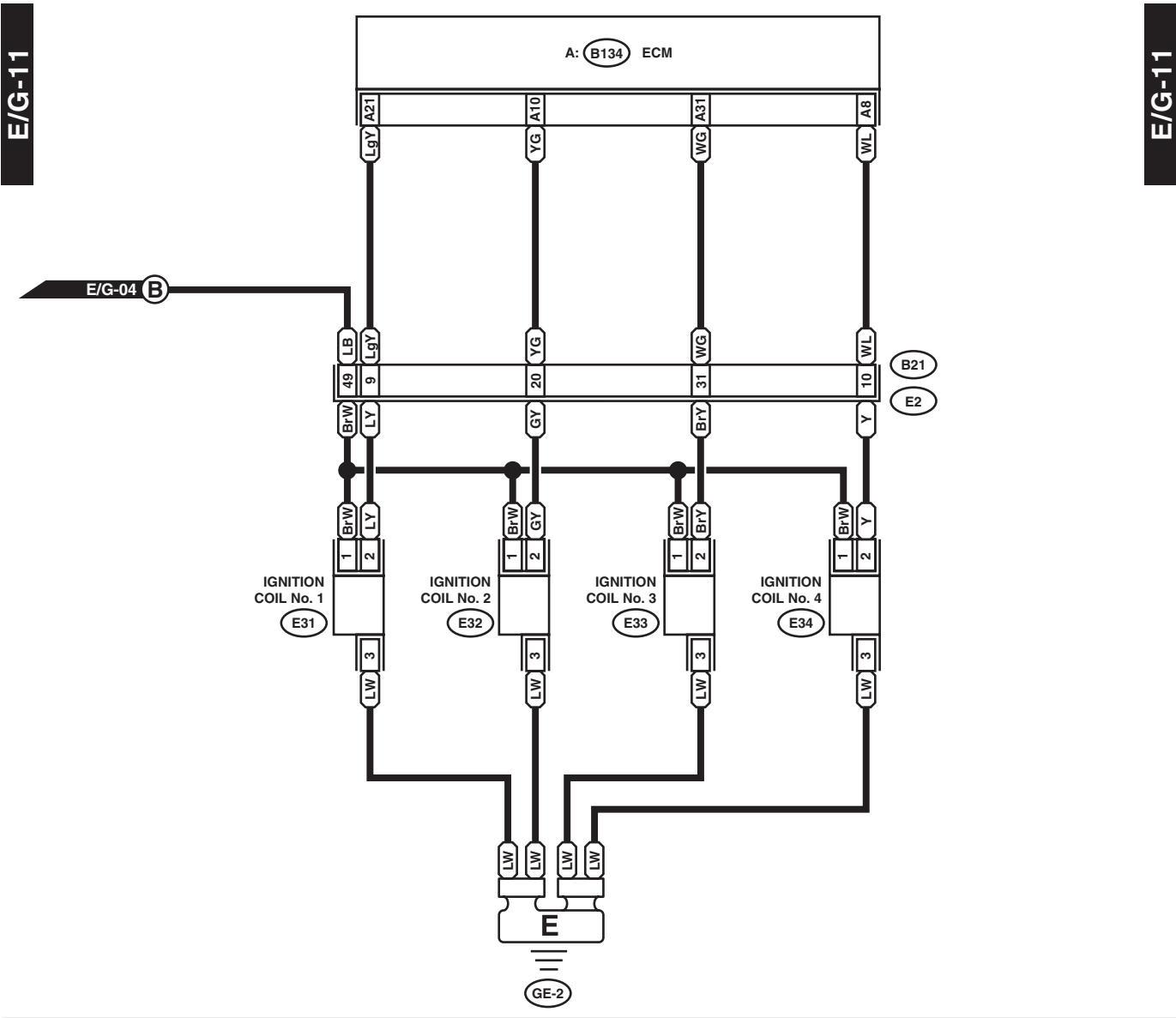




WI-48713

Engine Electrical System

WIRING SYSTEM



(BLACK) E31 E33 (BLACK)
(BLACK) E32 E34 (BLACK)



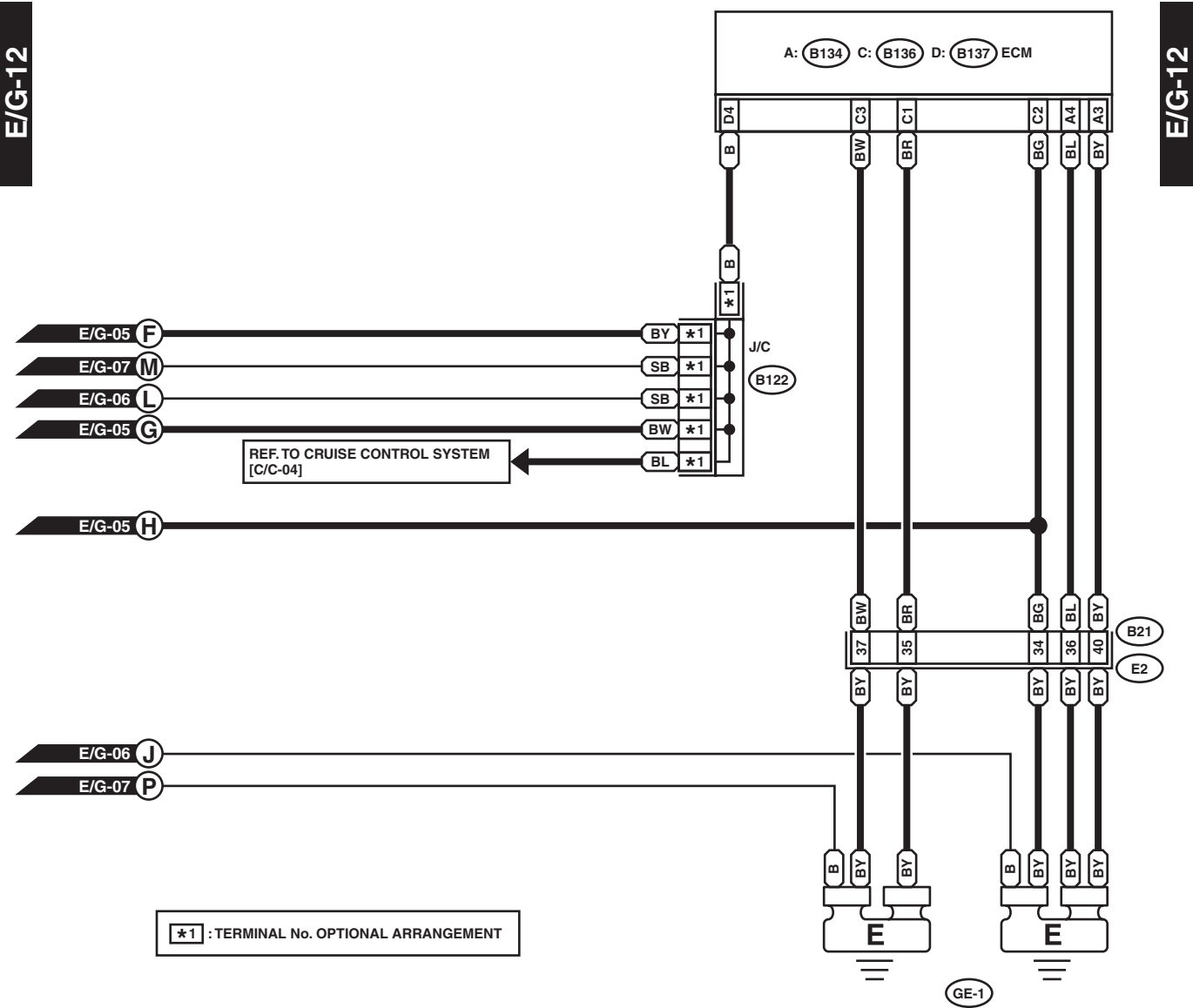
A: B134

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

B21 (BLACK)

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

WI-48086



(B122)

1	2	3
4	5	6

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)

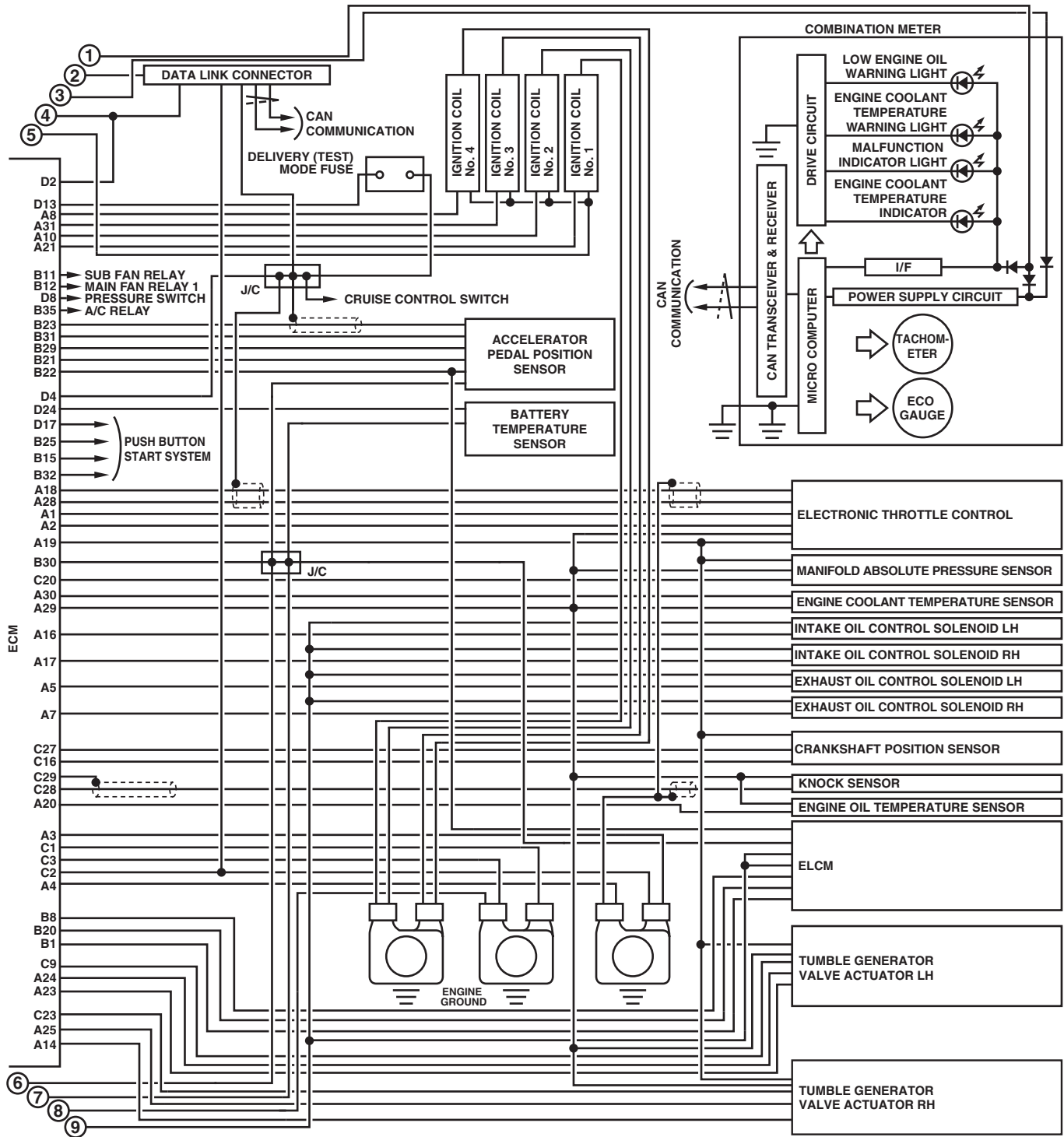
1	2	3	4	5	6
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30
31	32	33	34	35	

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)

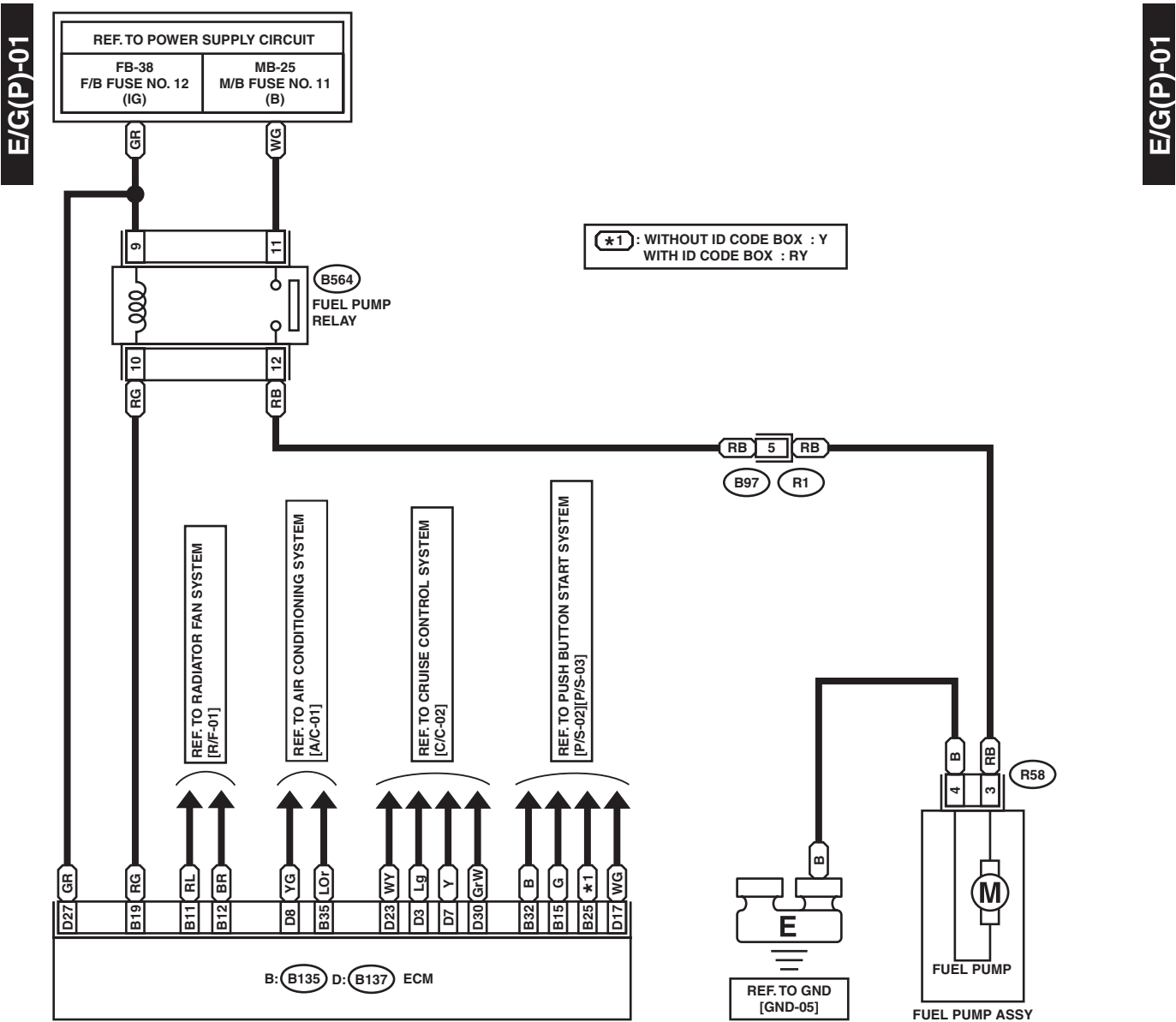
1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31	32	33
34	35	36	37	38	39	40	41			
42	43	44	45	46	47					
48	49	50	51	52	53	54				



WI-48715

Engine Electrical System

WIRING SYSTEM

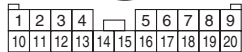


E/G(P)-01

R58 (GRAY)



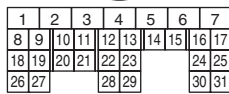
B97



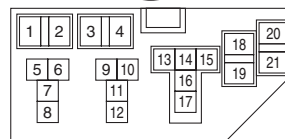
B: B135



D: B137

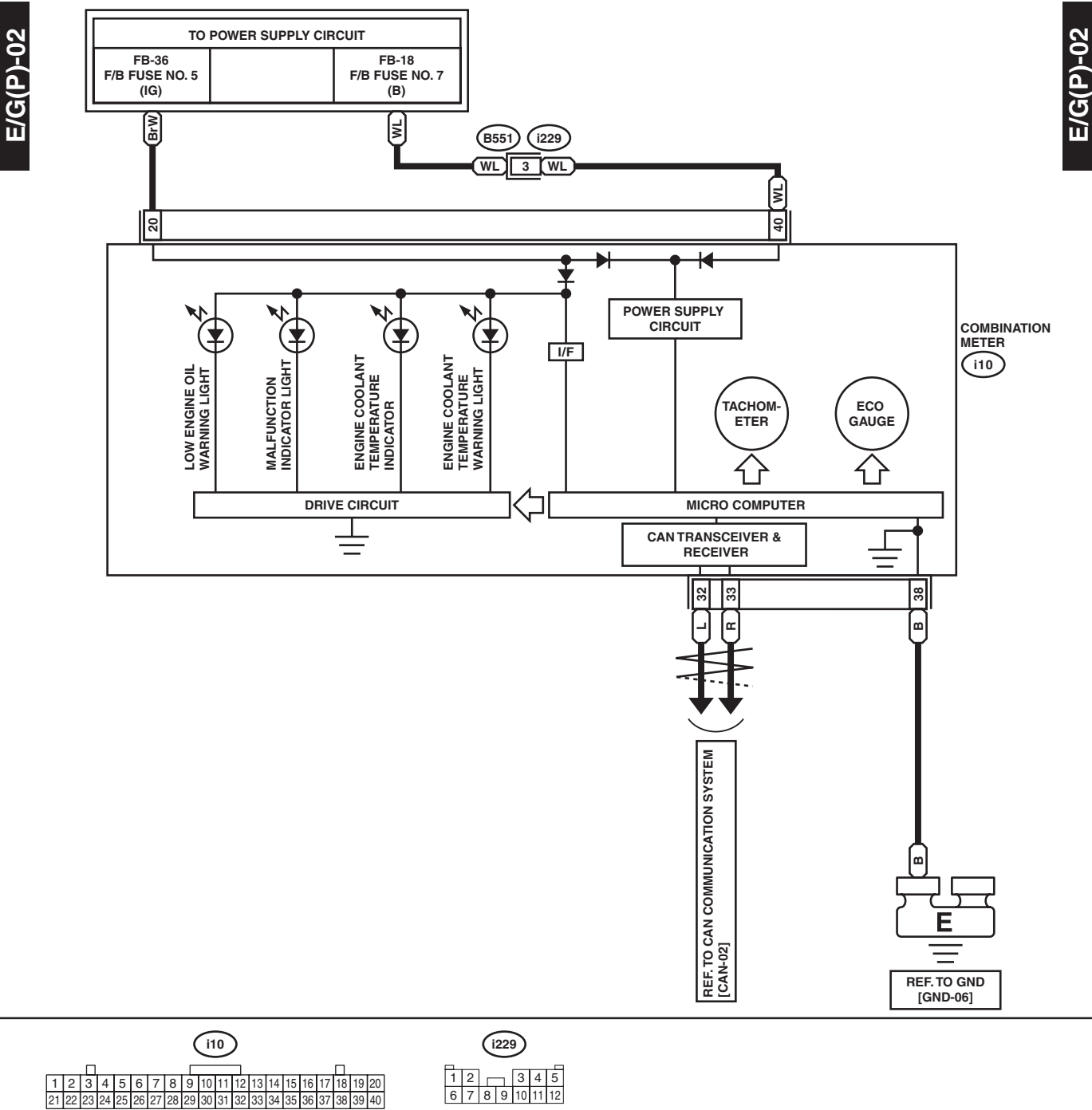


B564 (BLACK)



RELAY HOLDER

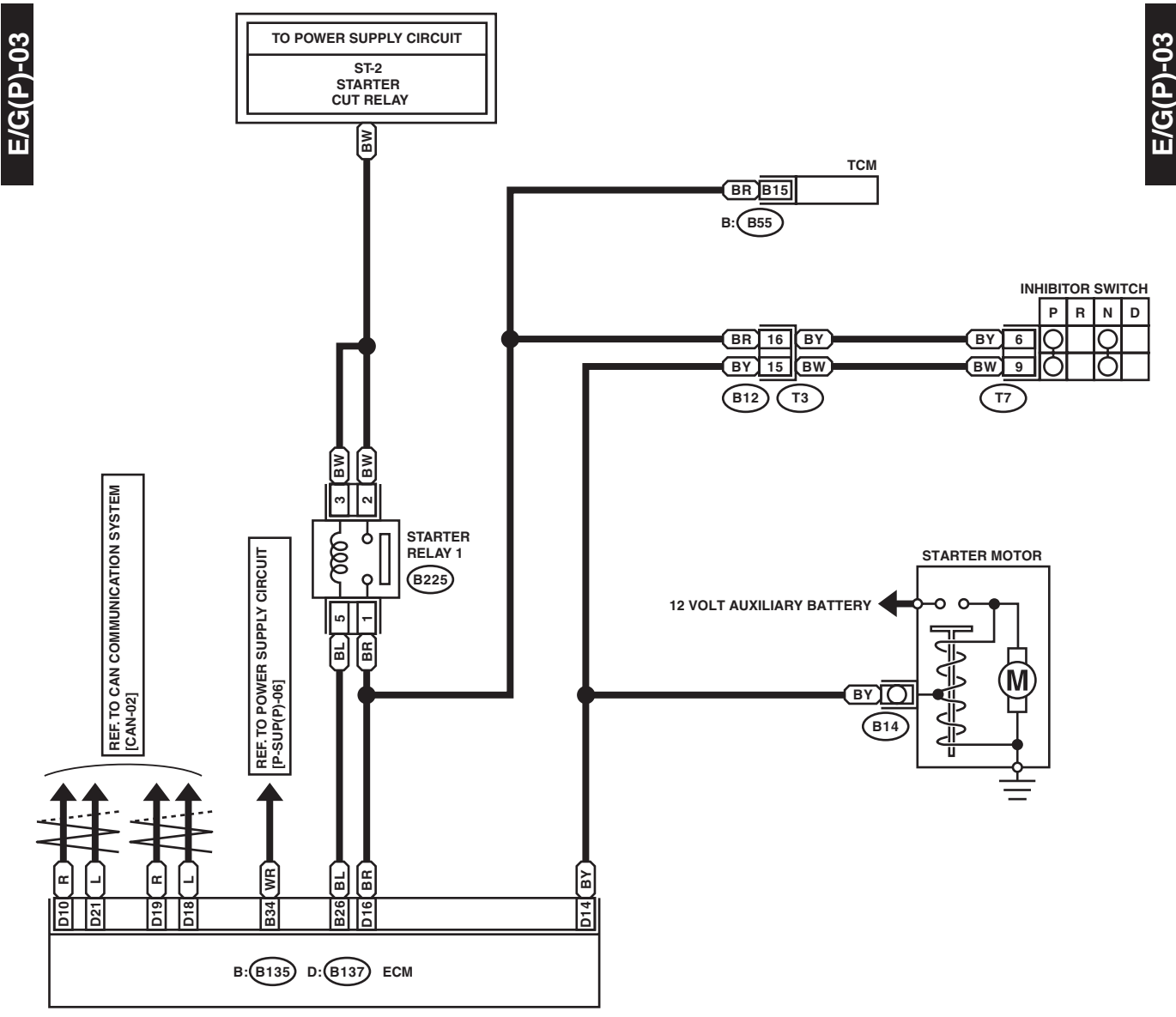
WI-48087



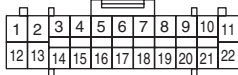
WI-41863

Engine Electrical System

WIRING SYSTEM



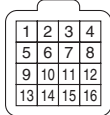
B: B55 (GREEN)



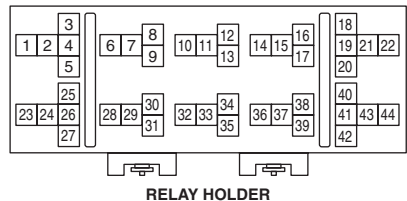
T7 (BLACK)



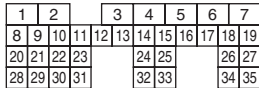
B12 (BROWN)



B225



B: B135

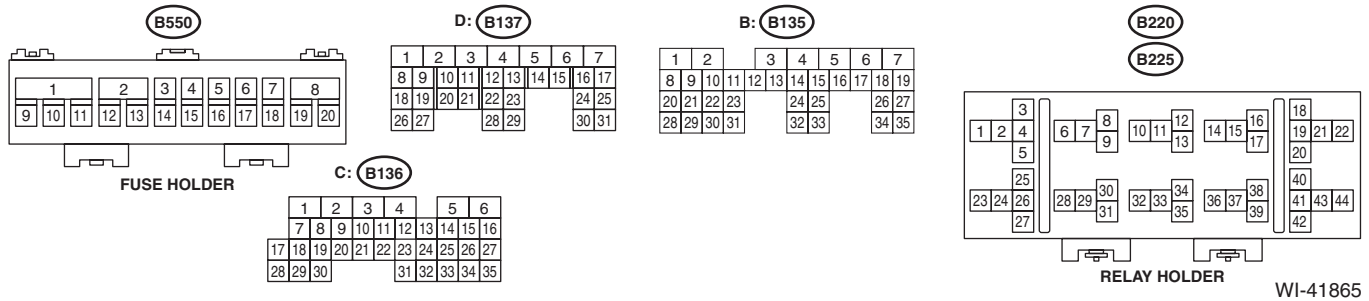
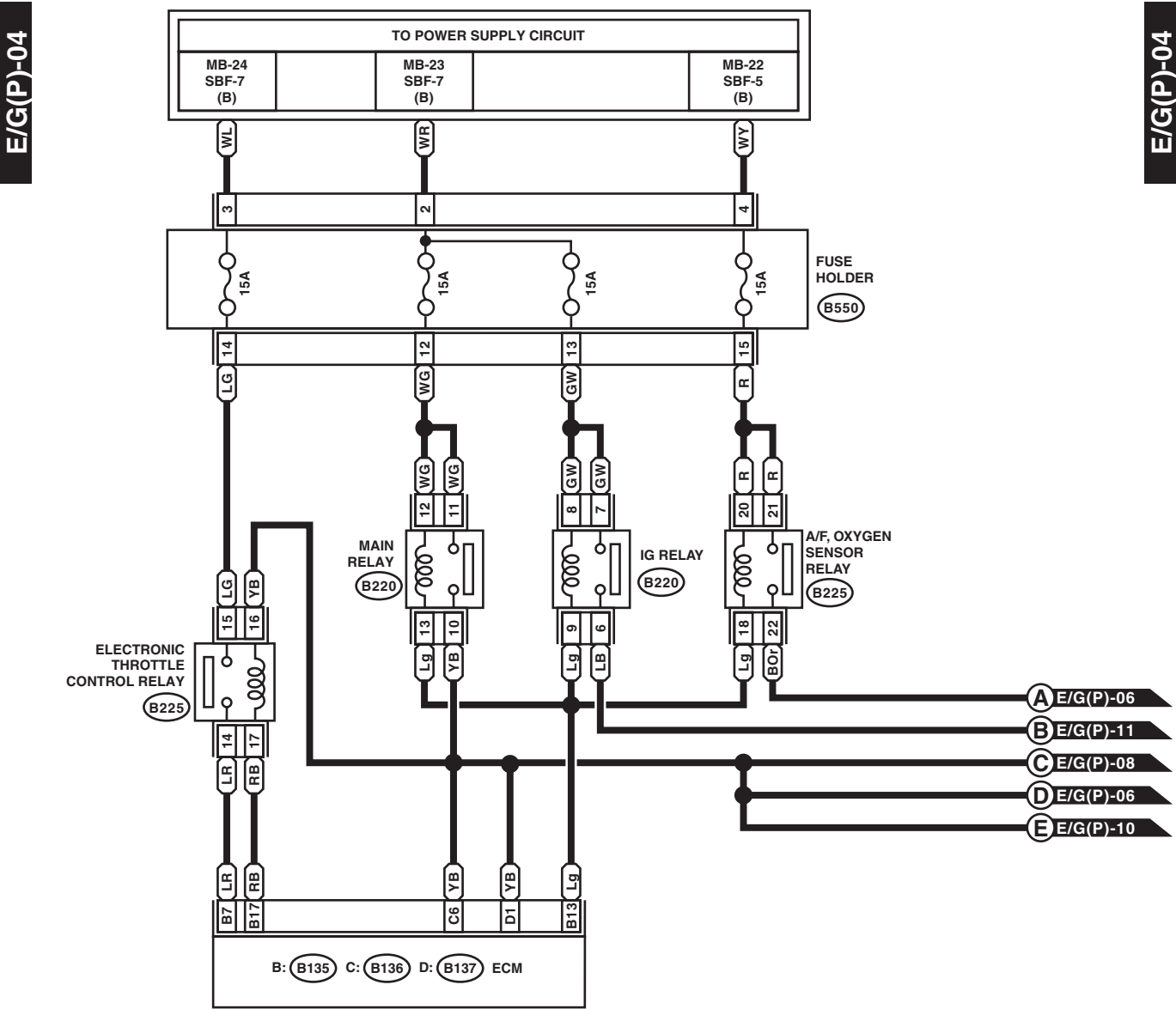


D: B137



RELAY HOLDER

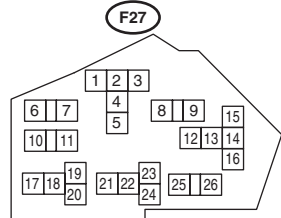
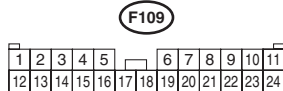
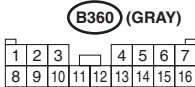
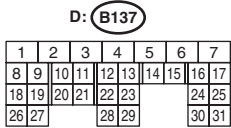
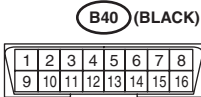
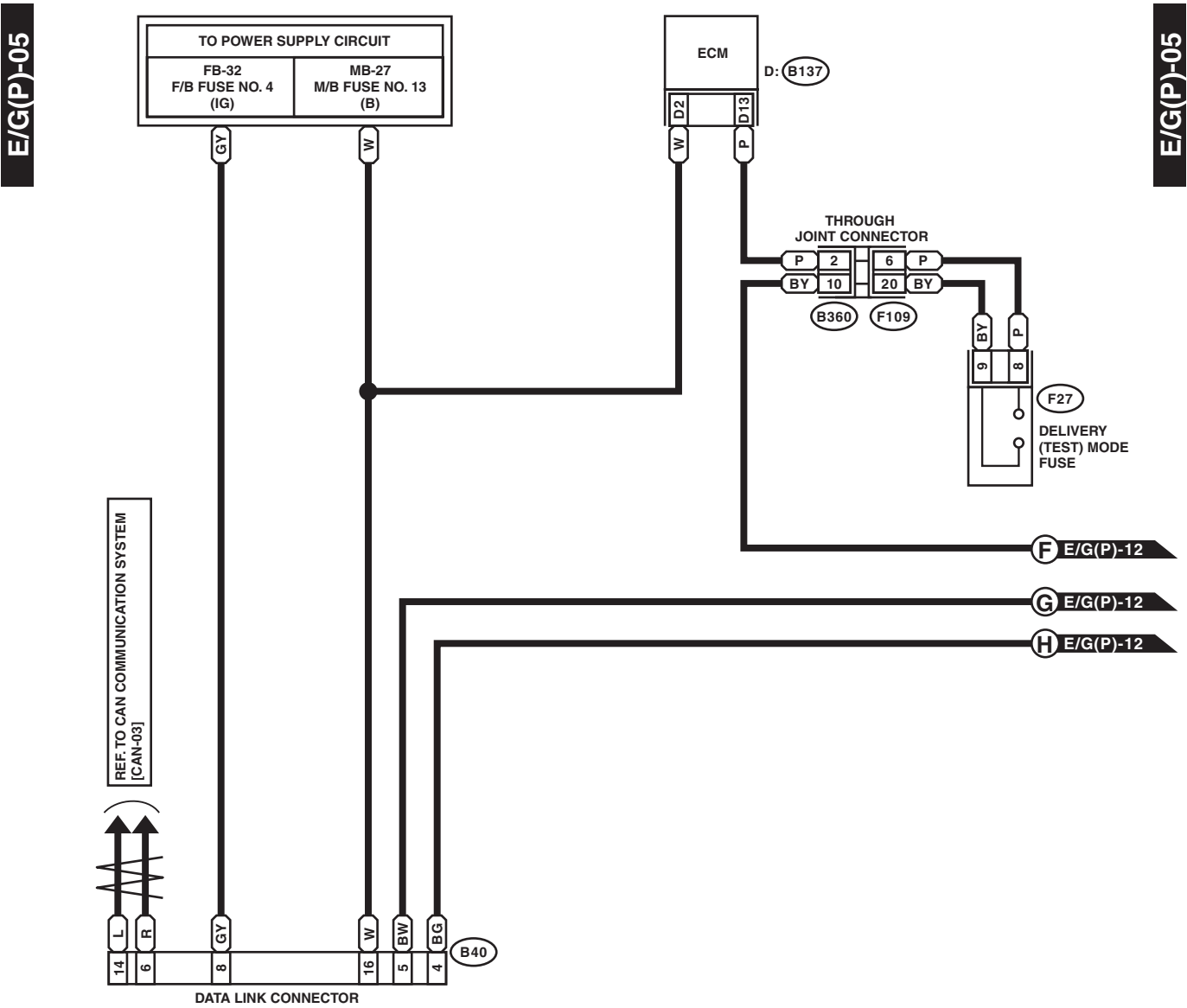
WI-41864



WI-41865

Engine Electrical System

WIRING SYSTEM

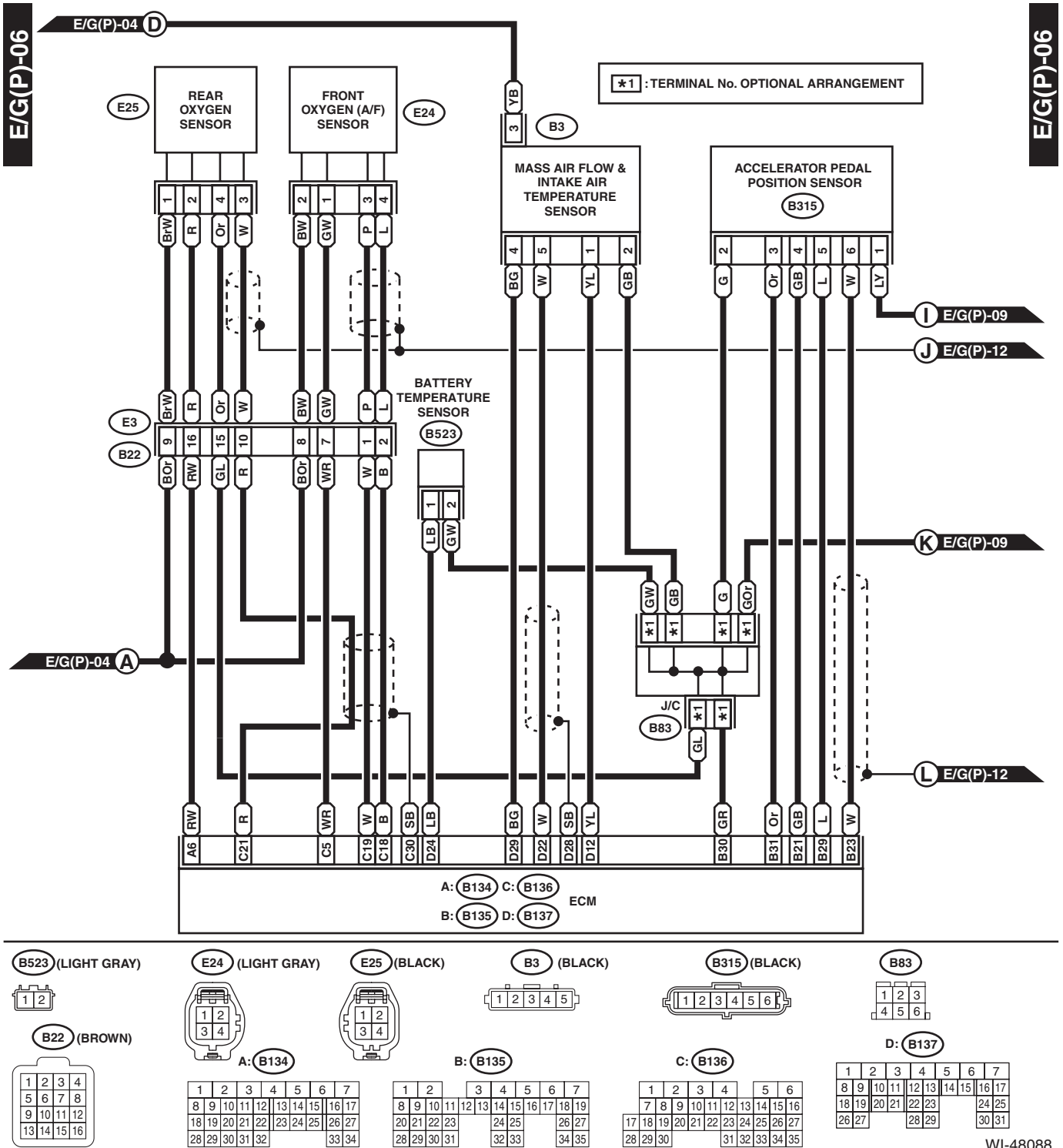


RELAY HOLDER

WI-41866

Engine Electrical System

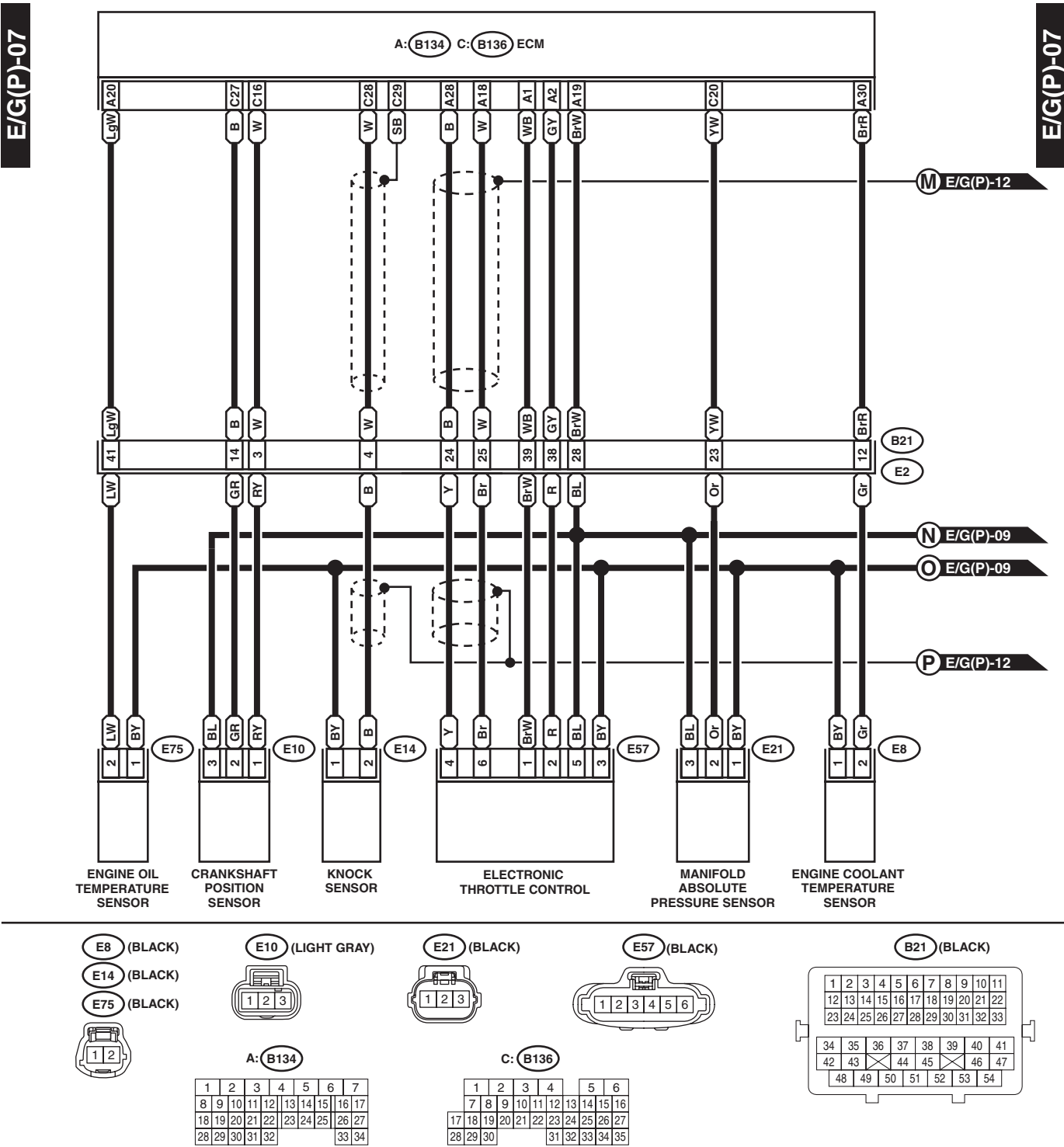
WIRING SYSTEM

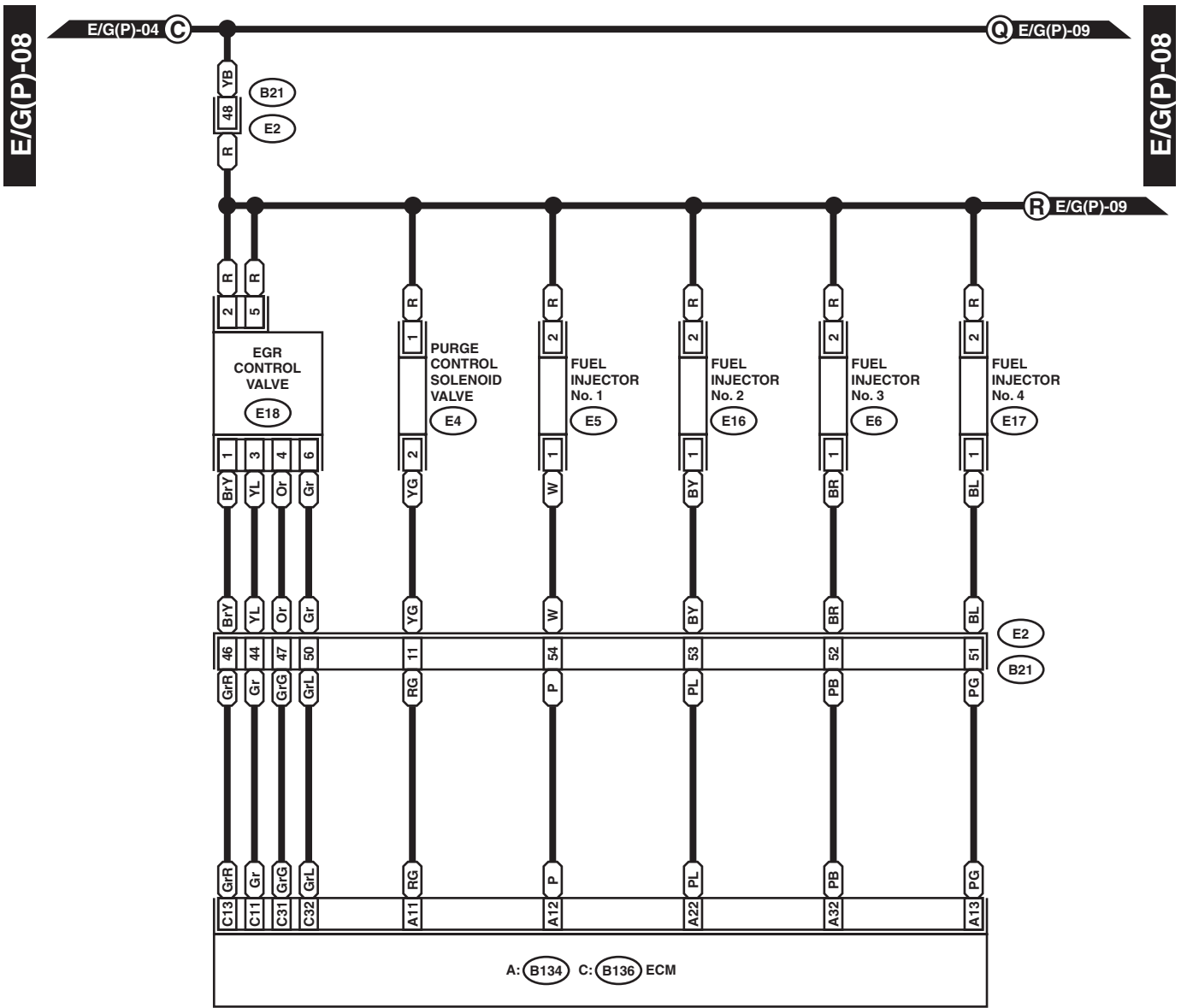


WI-48088

Engine Electrical System

WIRING SYSTEM





E4 (BLUE)



(DARK GRAY) E5 E16 (DARK GRAY)
(DARK GRAY) E6 E17 (DARK GRAY)



E18 (DARK GRAY)



(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	X	44	45	X	46	47			
48	49	50	51	52	53	54				

A: (B134)

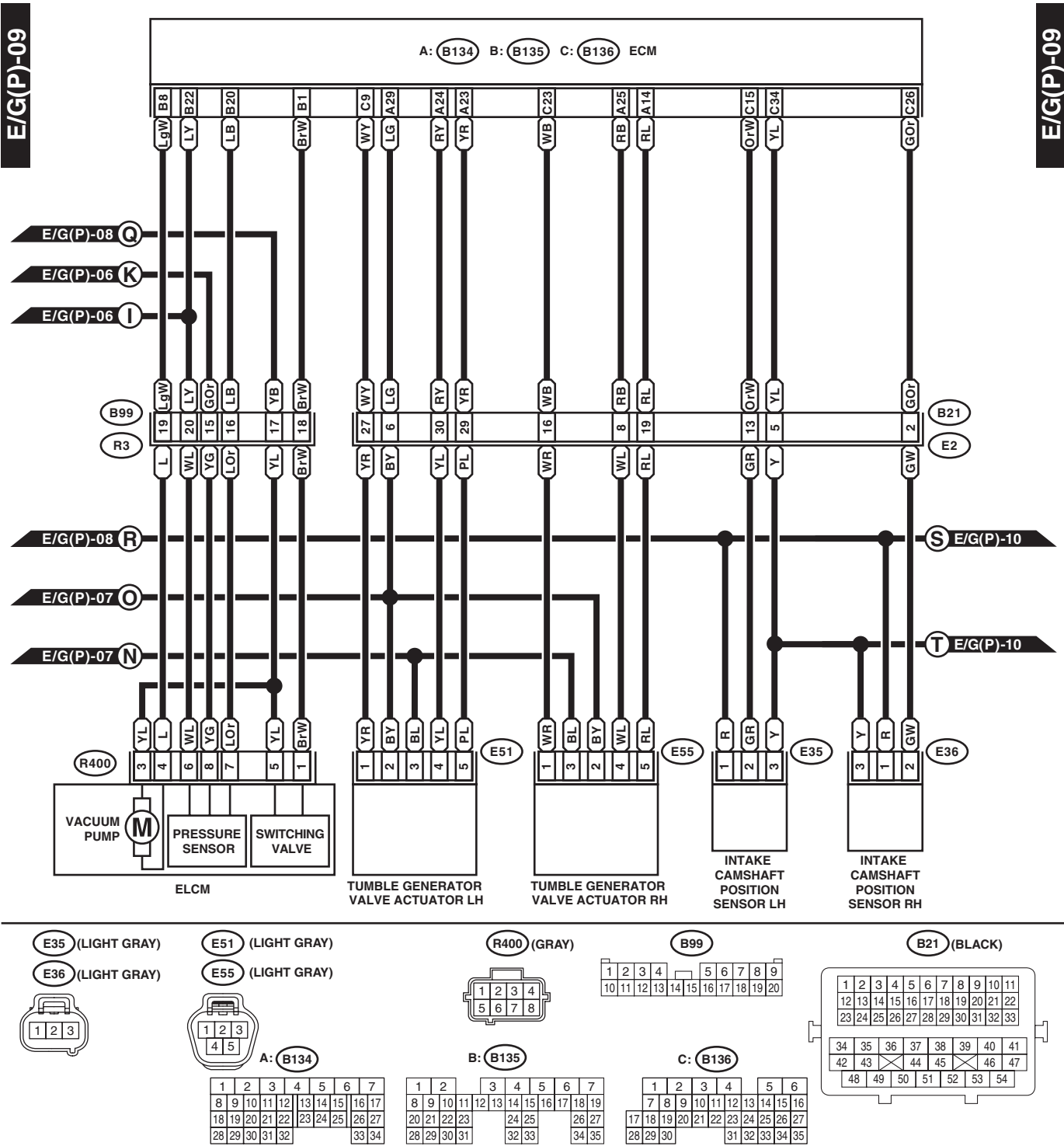
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	32	33	34	

C: **B136**

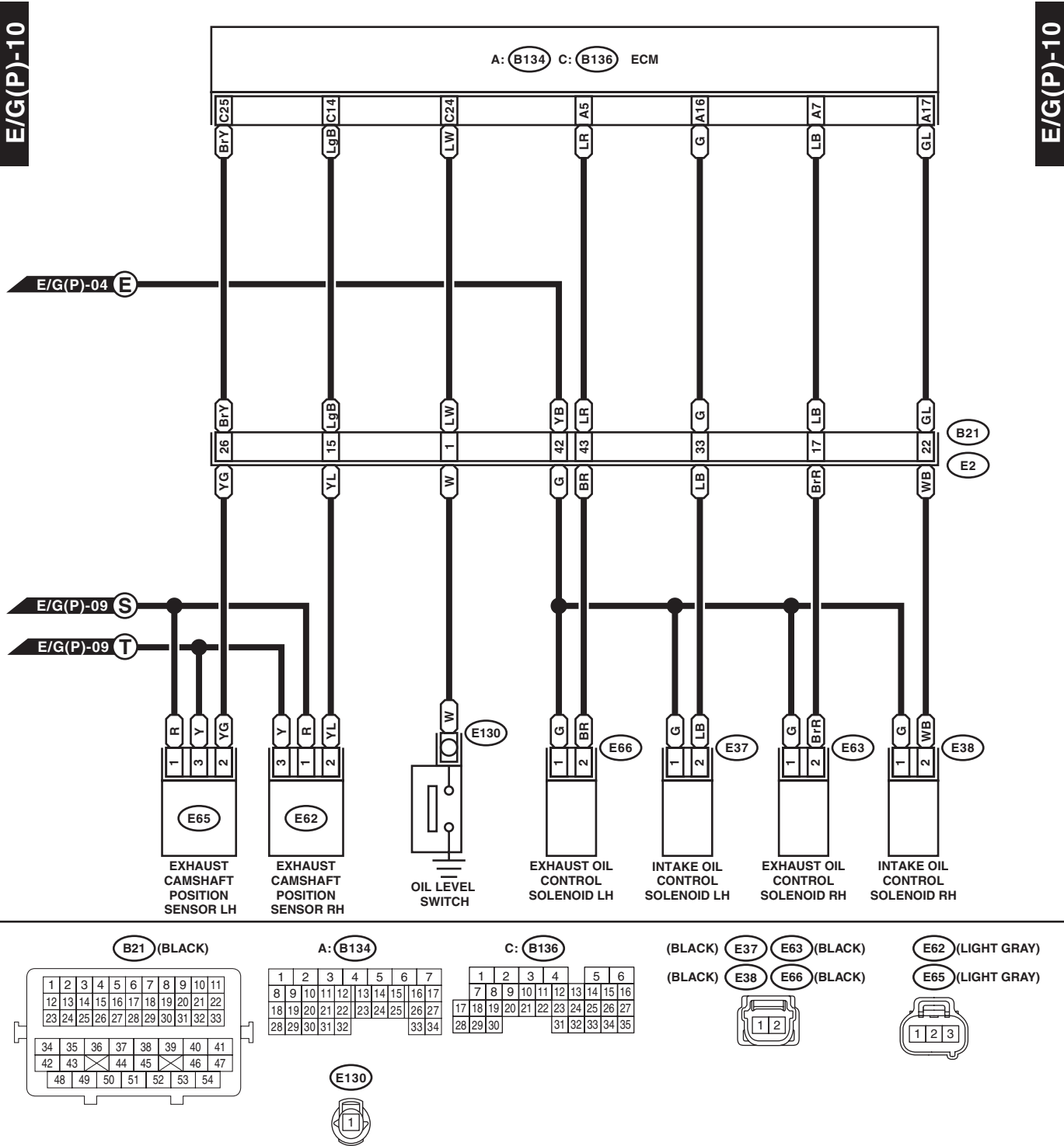
	1	2	3	4			5	6		
	7	8	9	10	11	12	13	14	15	16
17	18	19	20	21	22	23	24	25	26	27
28	29	30				31	32	33	34	35

Engine Electrical System

WIRING SYSTEM



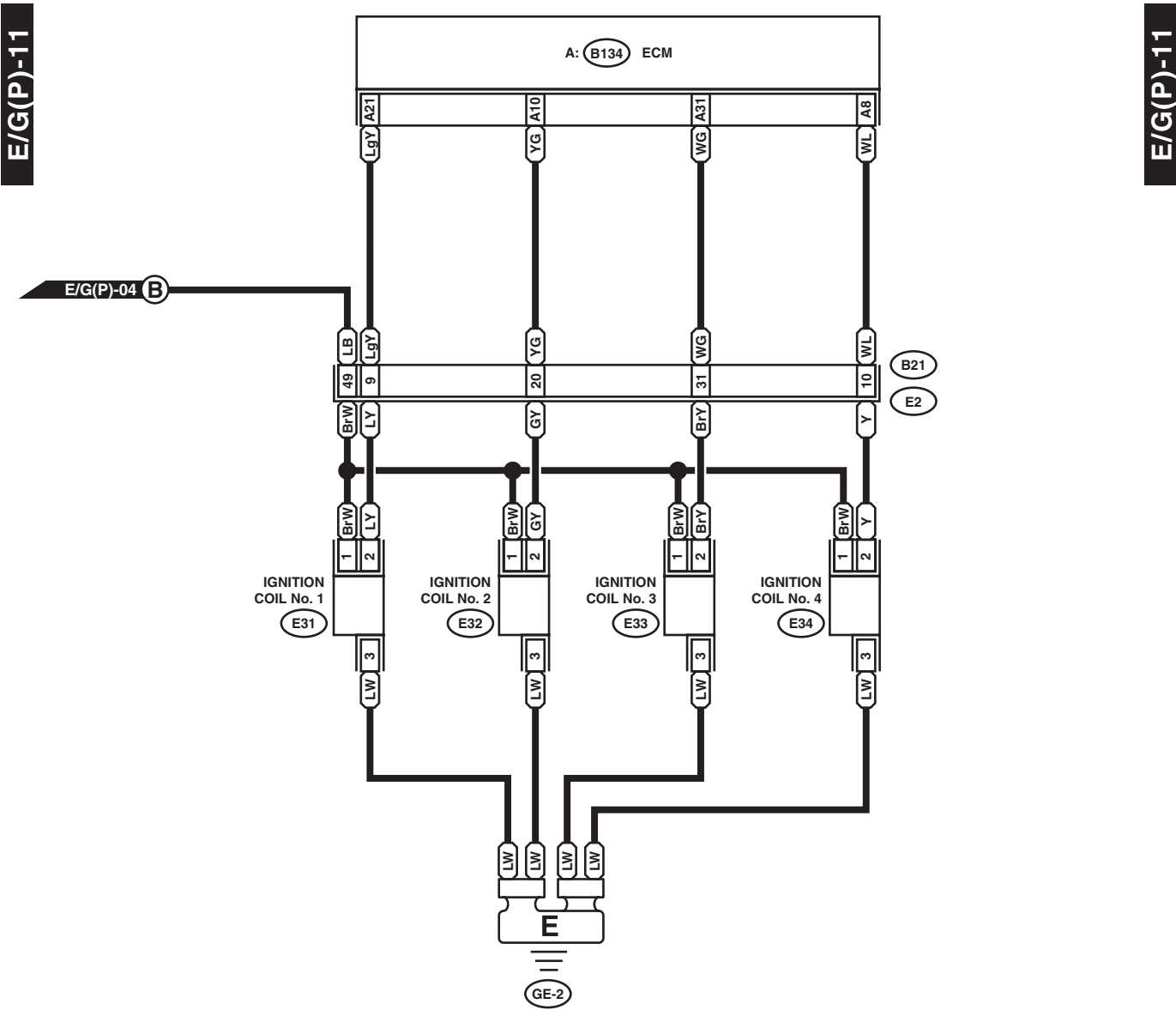
WI-48089



WI-48716

Engine Electrical System

WIRING SYSTEM



(BLACK) E31 E33 (BLACK)
(BLACK) E32 E34 (BLACK)



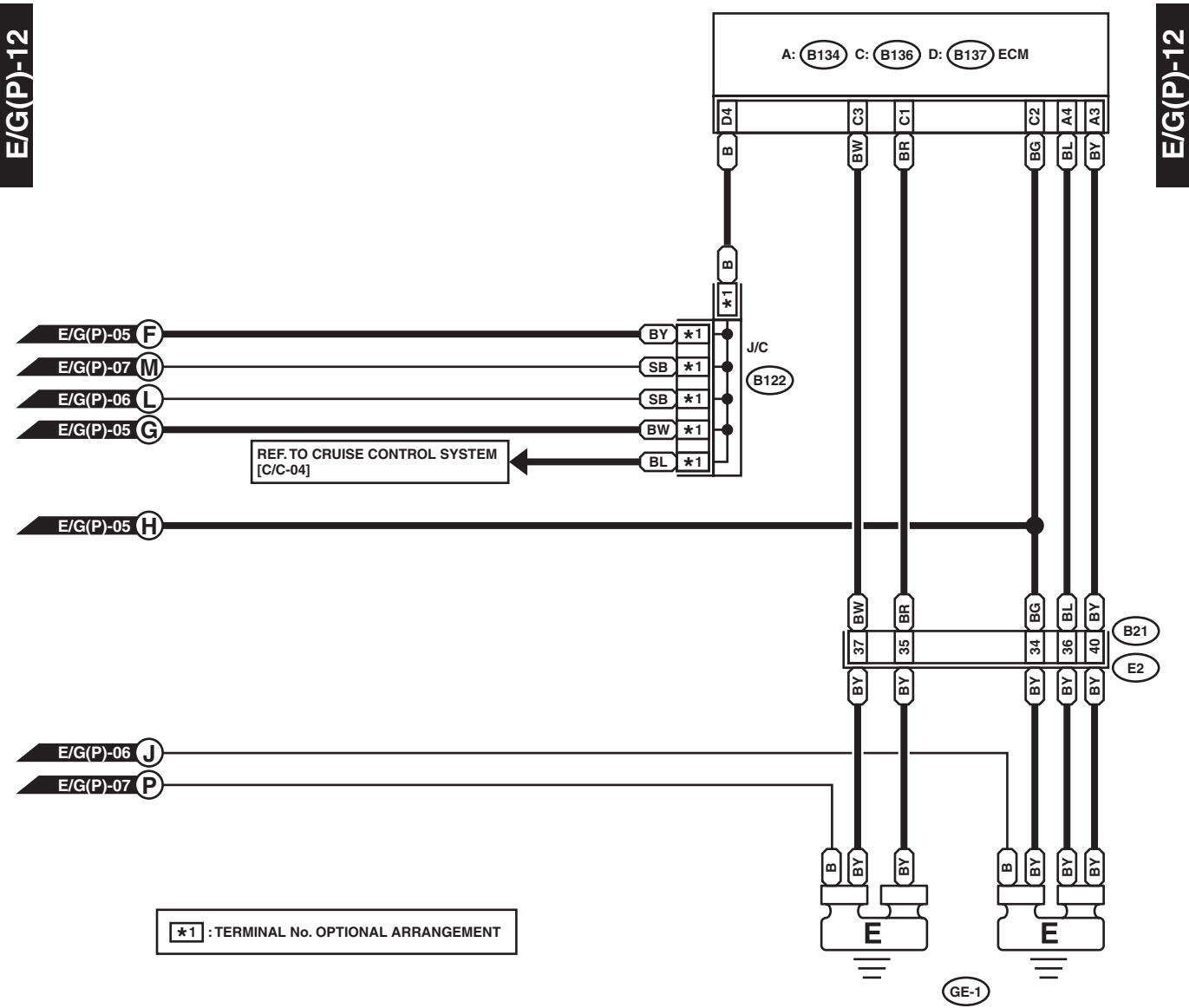
A: B134

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

B21 (BLACK)

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

WI-48090



B122		
1	2	3
4	5	6

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	

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				

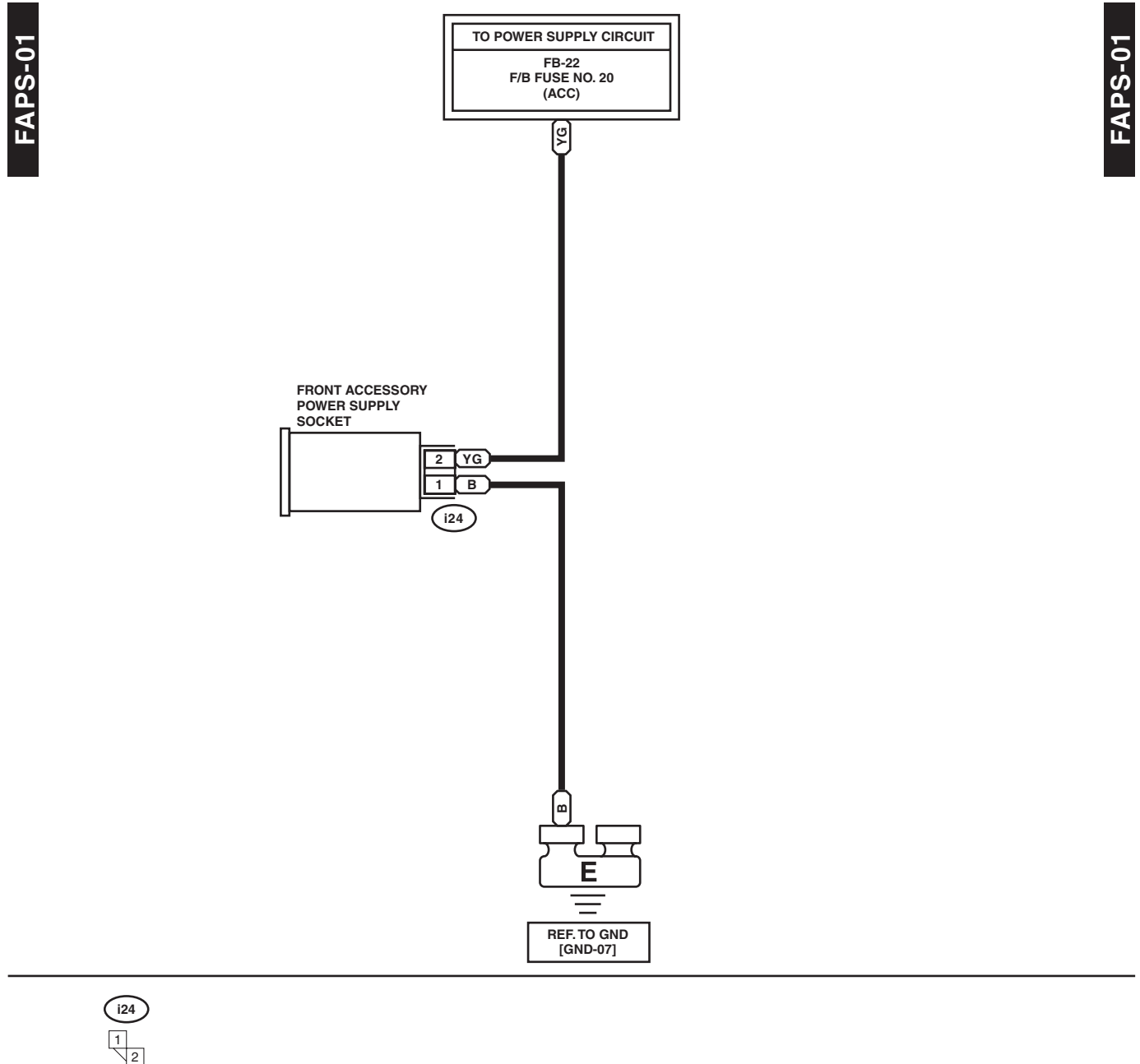
B21 (BLACK)										
1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31	32	33
34	35	36	37	38	39	40	41			
42	43	44	45	46	47					
48	49	50	51	52	53	54				

Front Accessory Power Supply Socket System

WIRING SYSTEM

19.Front Accessory Power Supply Socket System

A: WIRING DIAGRAM

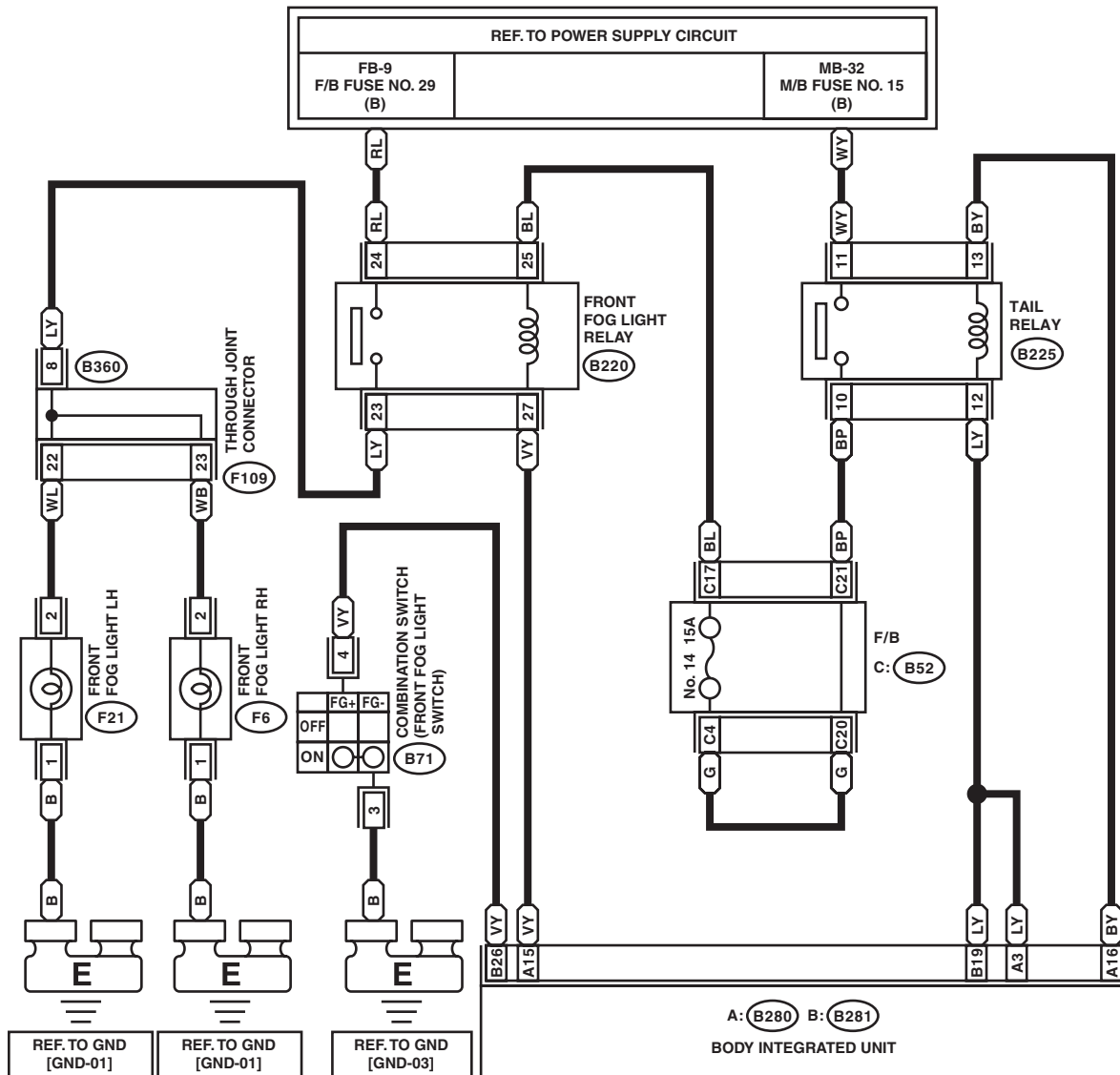


WI-34207

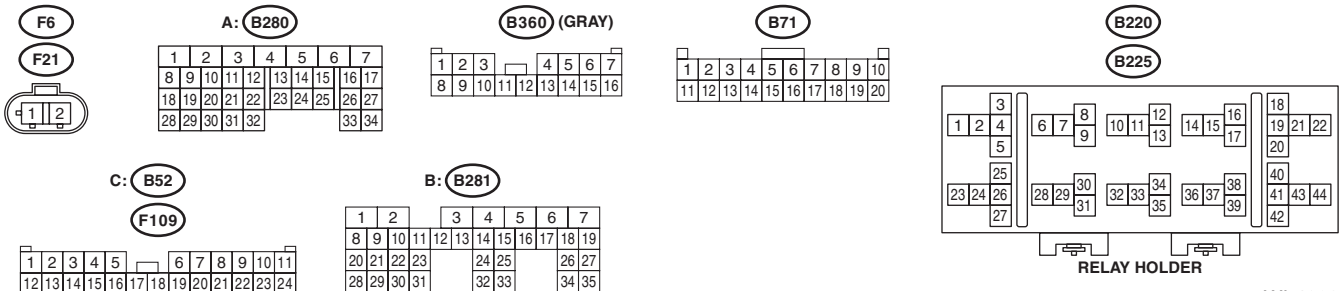
20.Front Fog Light System

A: WIRING DIAGRAM

FOG-01



FOG-01



WI-48091

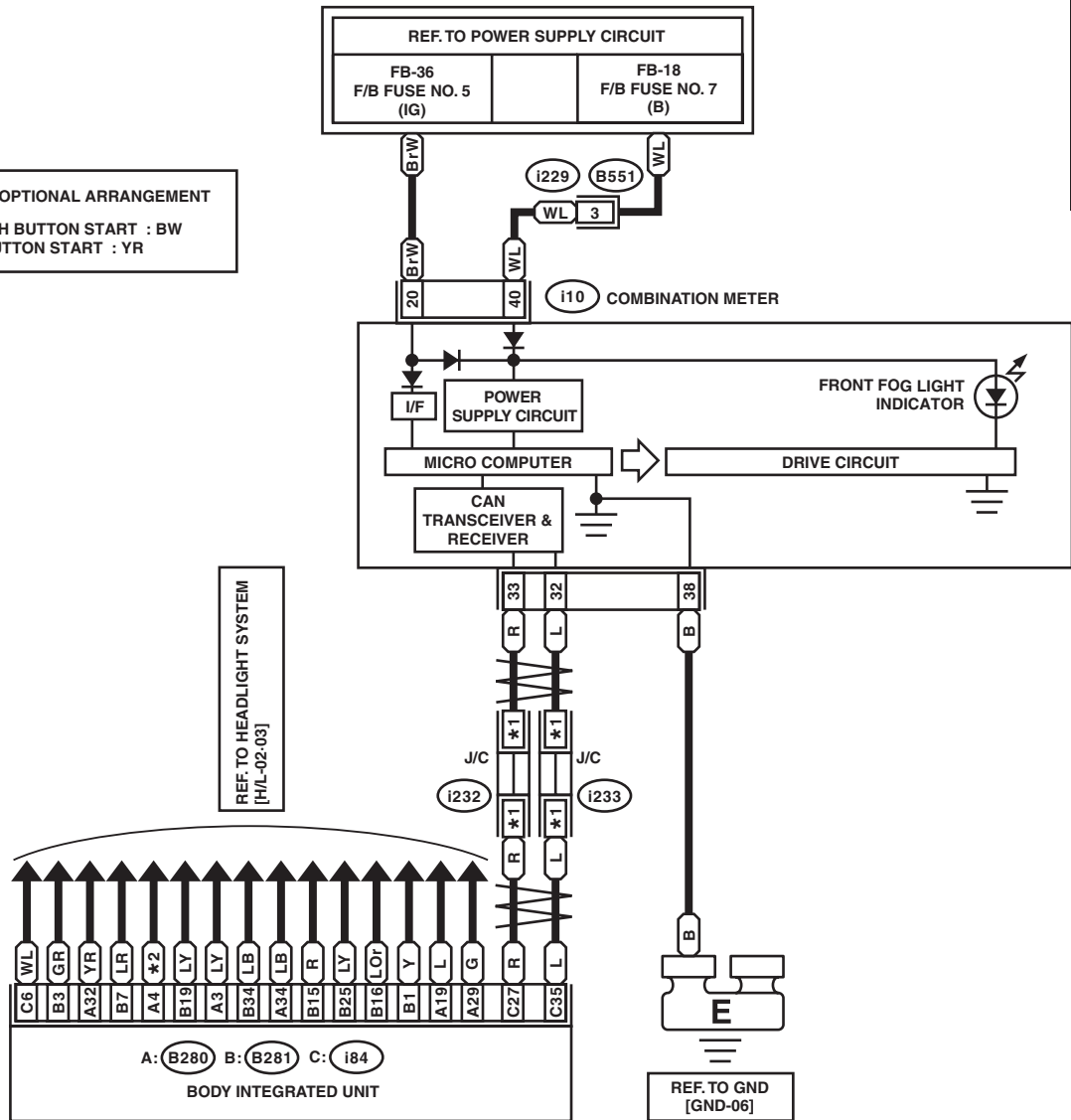
Front Fog Light System

WIRING SYSTEM

FOG-02

FOG-02

- *1 : TERMINAL No. OPTIONAL ARRANGEMENT
 *2 : WITHOUT PUSH BUTTON START : BW
 WITH PUSH BUTTON START : YR



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	

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

i232

1	2	3	4
5	6	7	8

i233

i229

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

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	

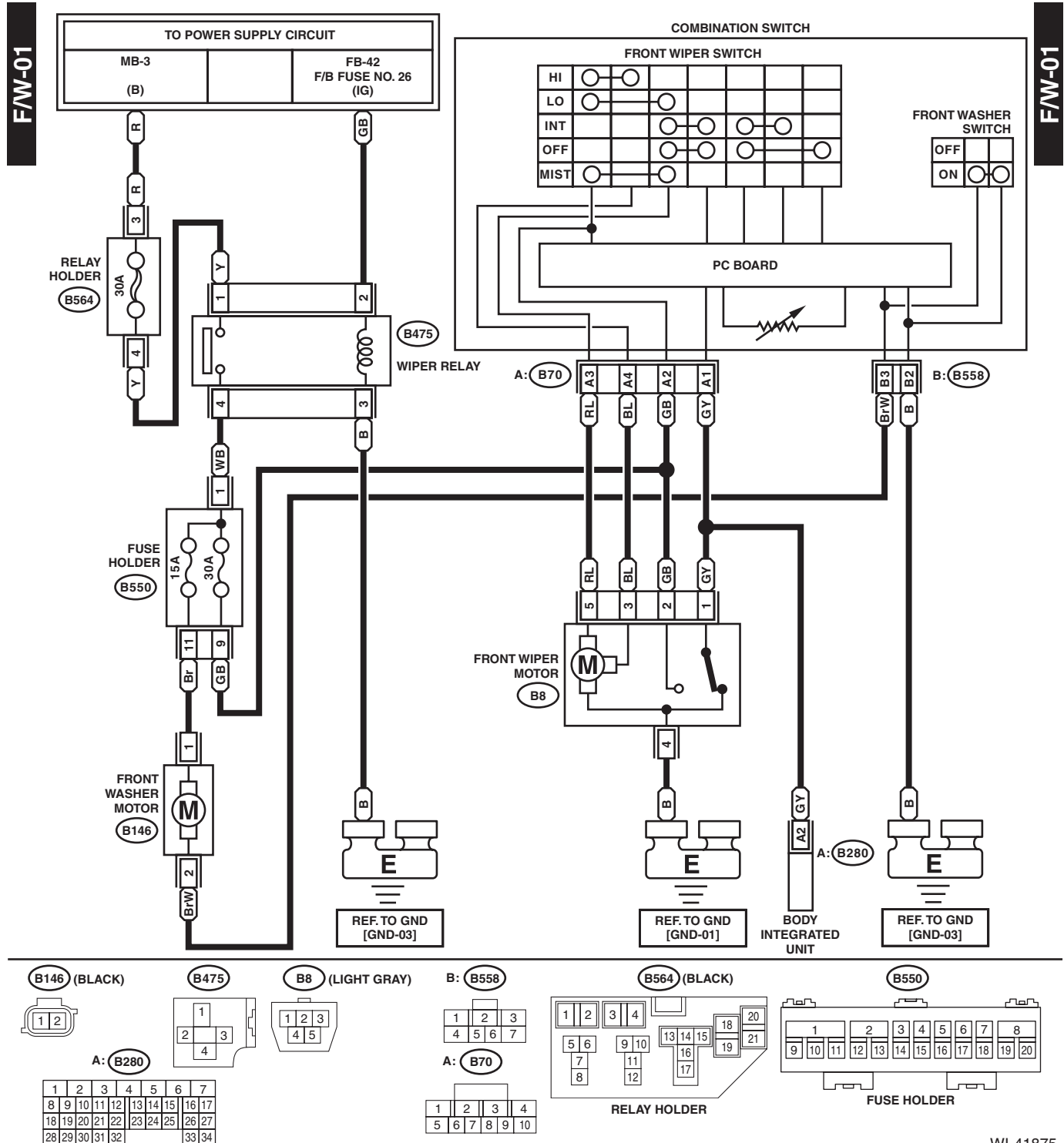
i10

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

WI-48092

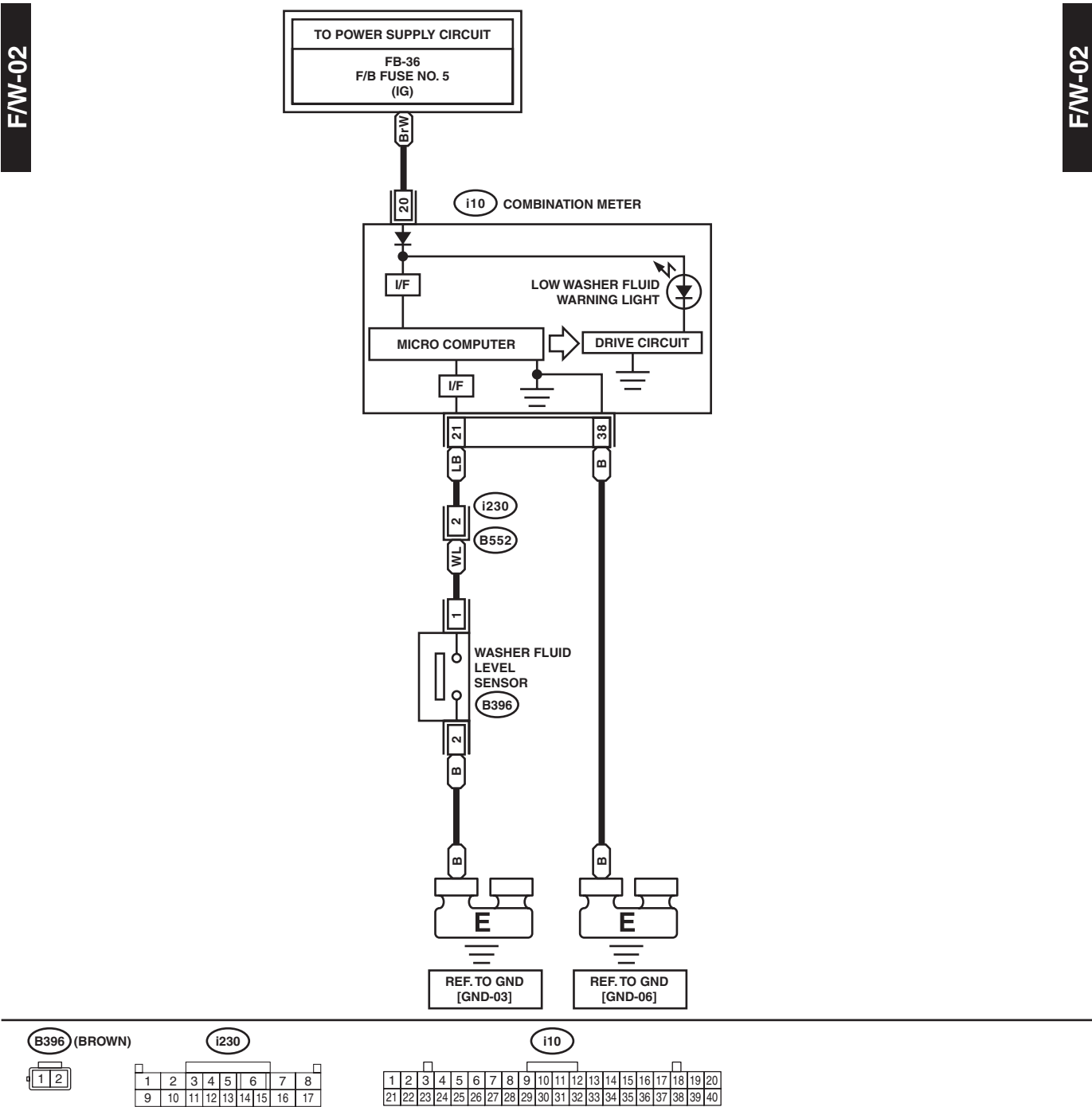
21.Front Wiper and Washer System

A: WIRING DIAGRAM



Front Wiper and Washer System

WIRING SYSTEM



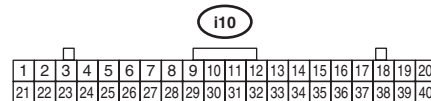
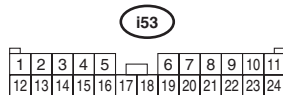
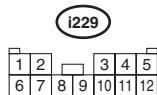
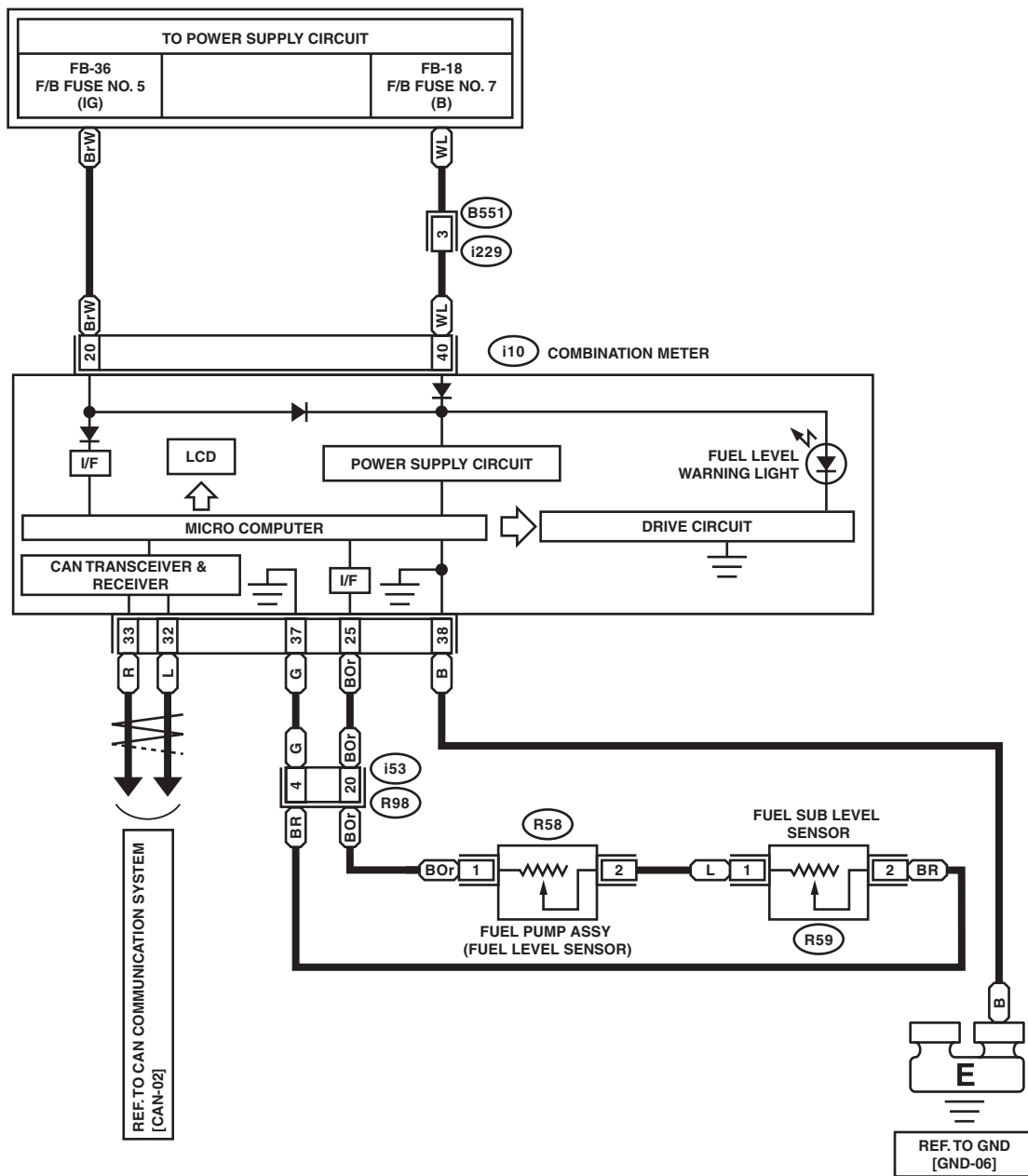
WI-41876

22. Fuel Gauge System

A: WIRING DIAGRAM

F/G-01

F/G-01



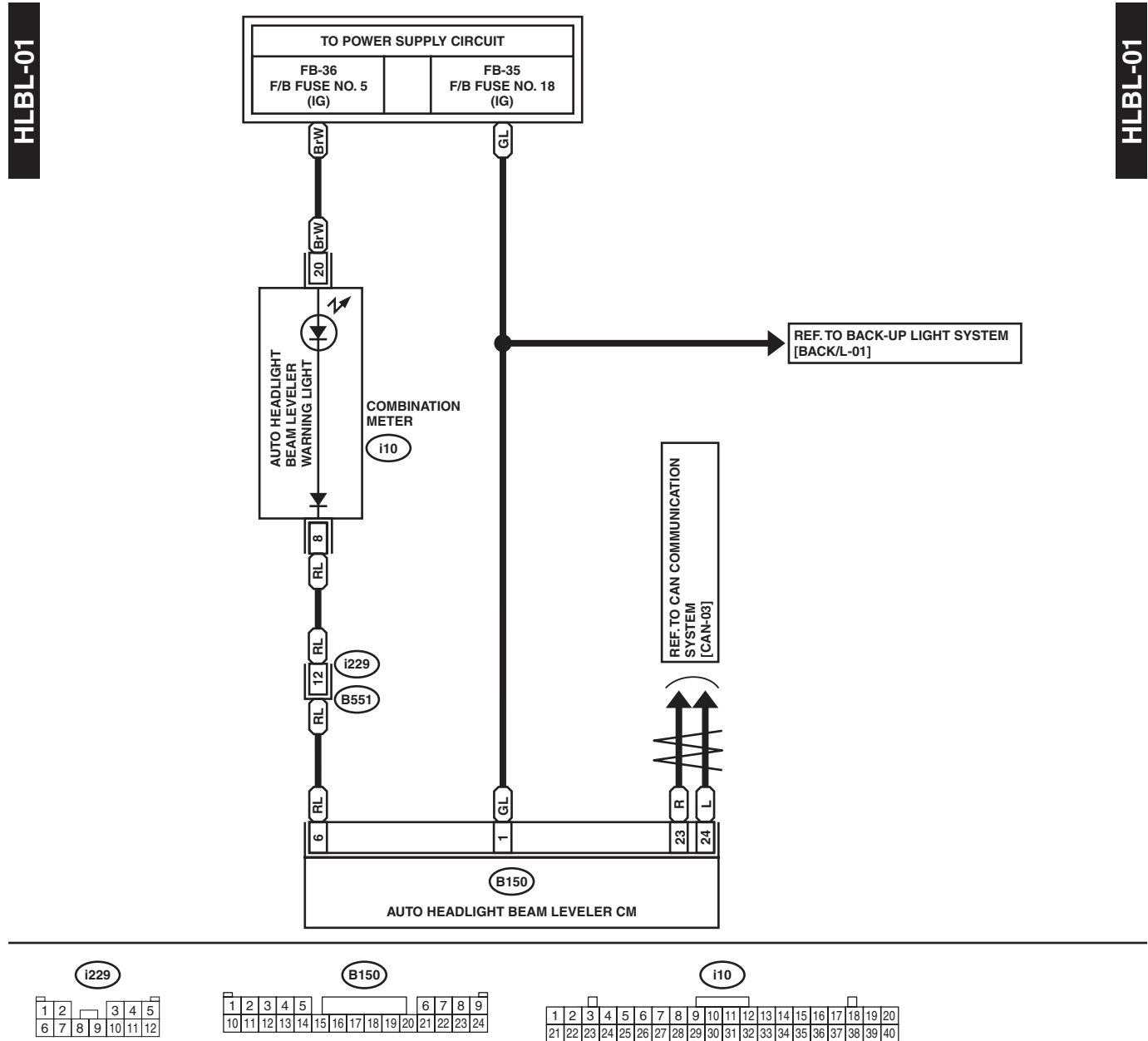
WI-41877

Headlight Beam Leveler System

WIRING SYSTEM

23.Headlight Beam Leveler System

A: WIRING DIAGRAM



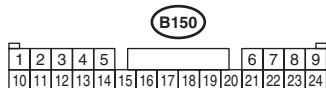
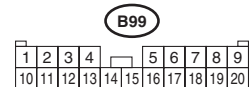
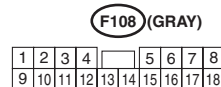
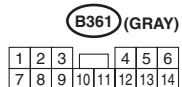
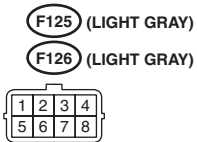
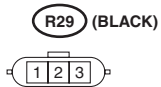
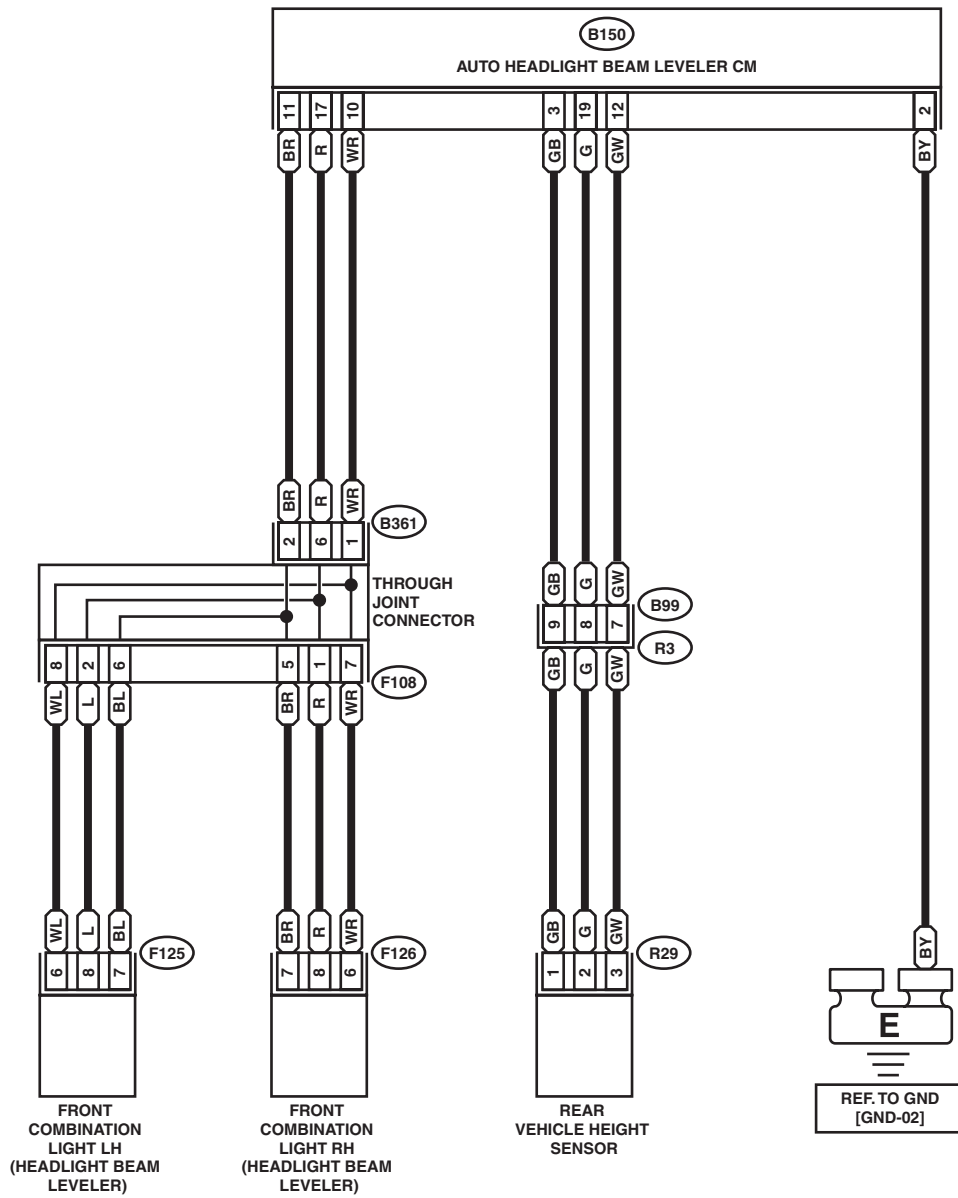
WI-41878

Headlight Beam Leveler System

WIRING SYSTEM

HLBL-02

HLBL-02



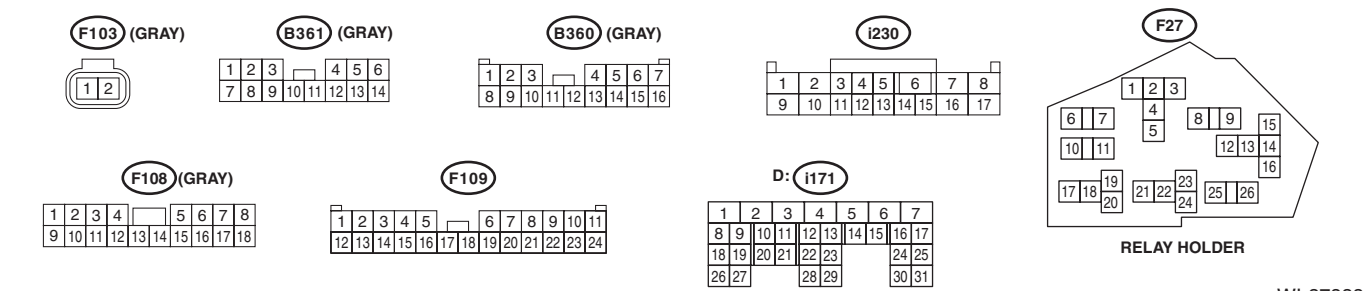
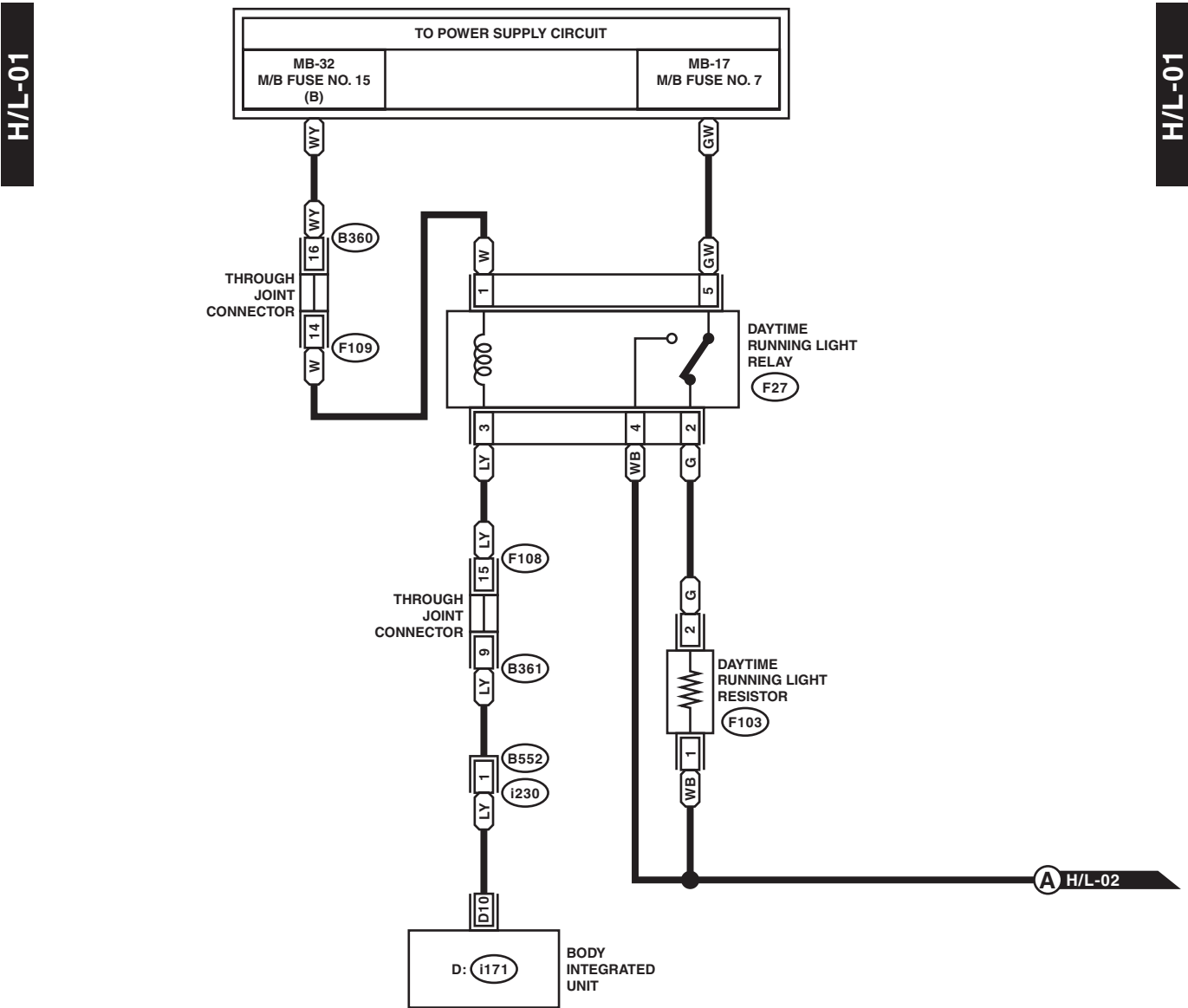
WI-37837

Headlight System

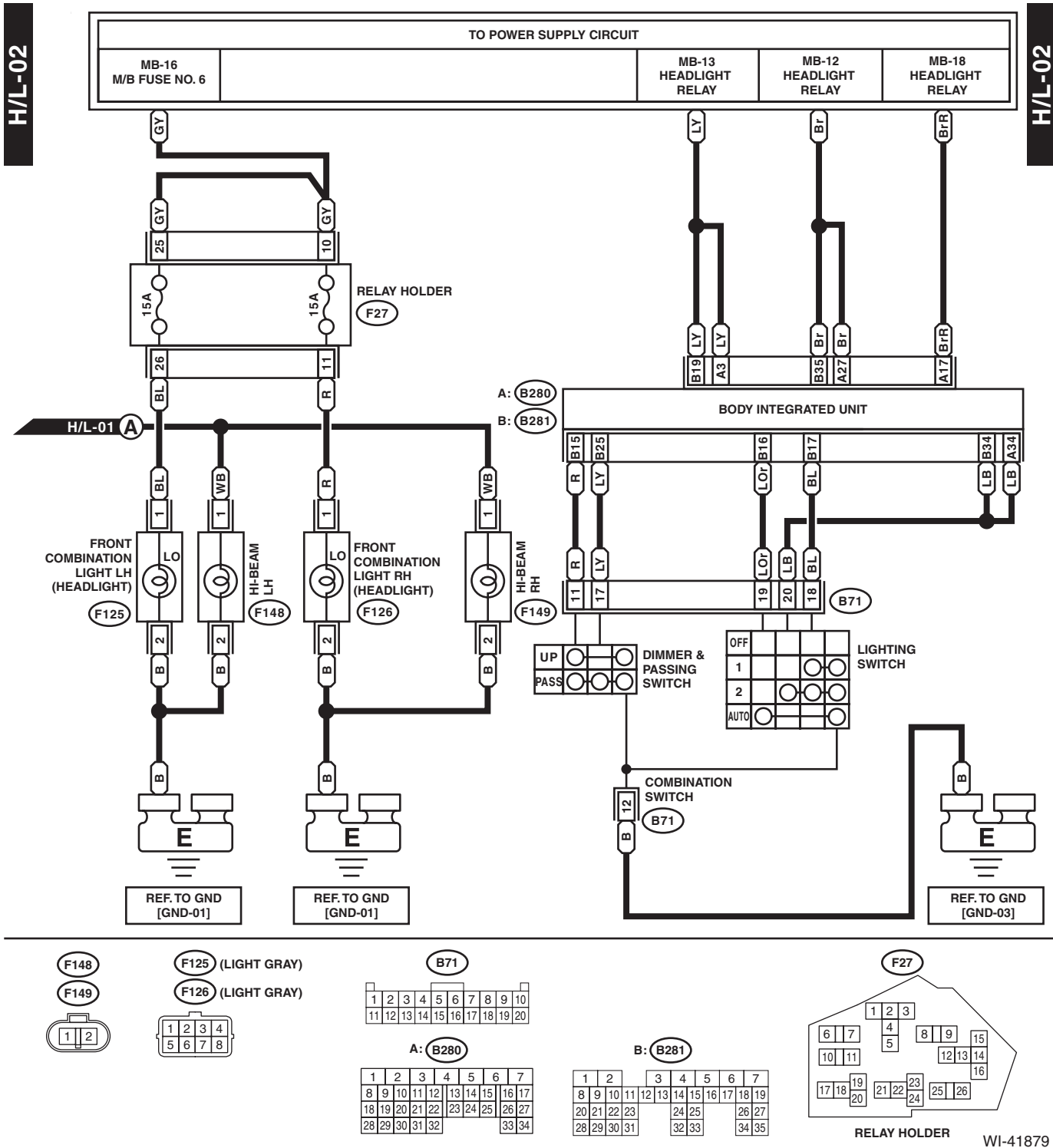
WIRING SYSTEM

24.Headlight System

A: WIRING DIAGRAM

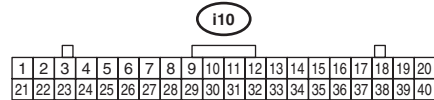
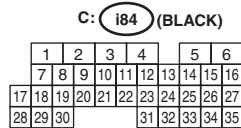
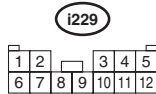
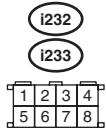
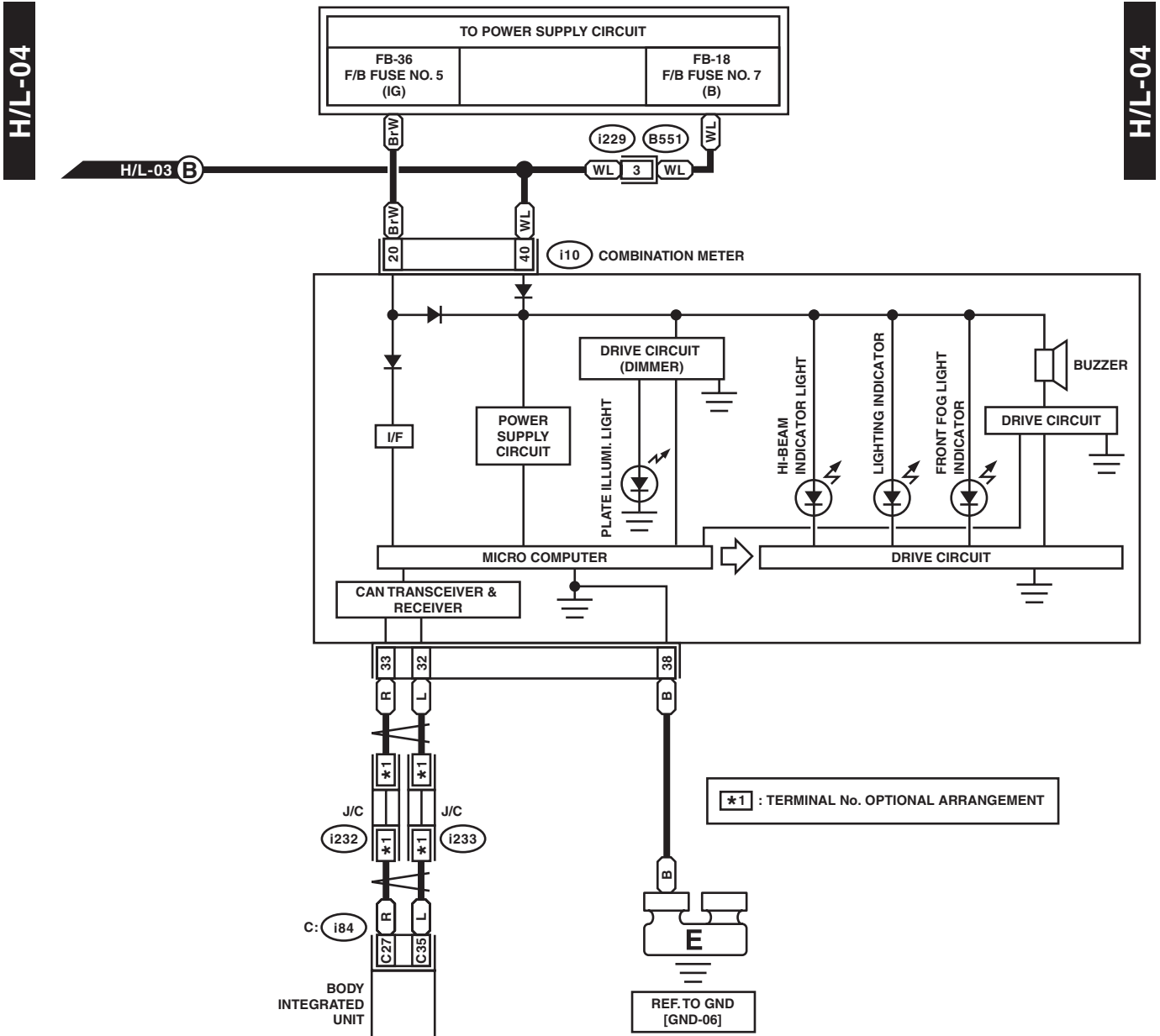


WI-37838



Headlight System

WIRING SYSTEM



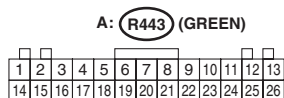
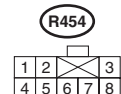
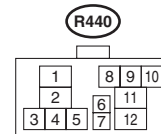
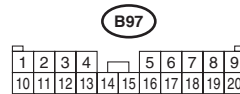
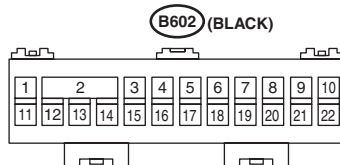
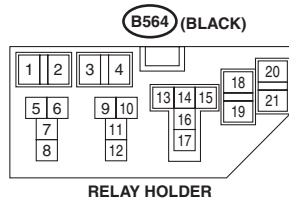
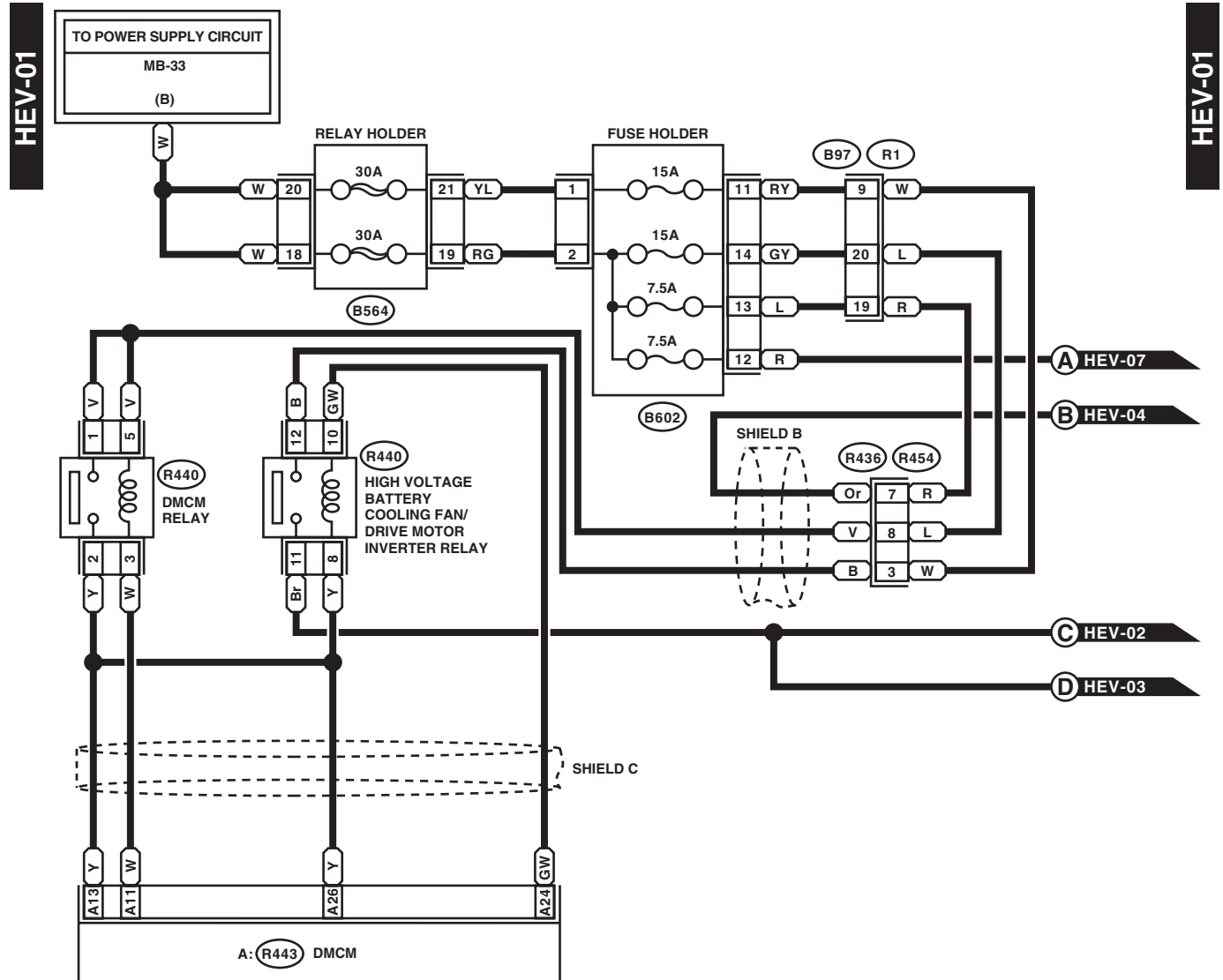
WI-41881

Hybrid Electric Vehicle System

WIRING SYSTEM

25. Hybrid Electric Vehicle System

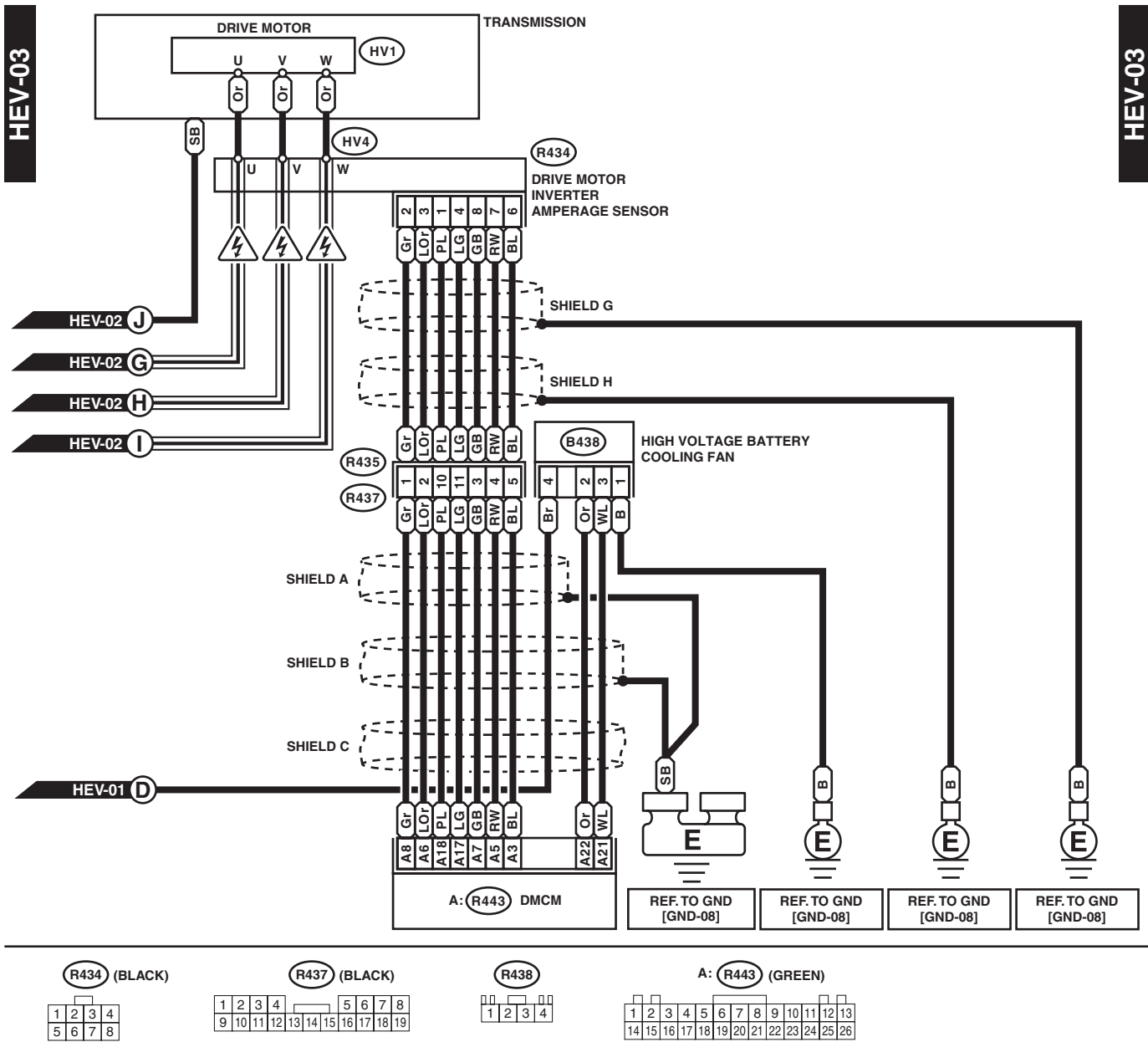
A: WIRING DIAGRAM



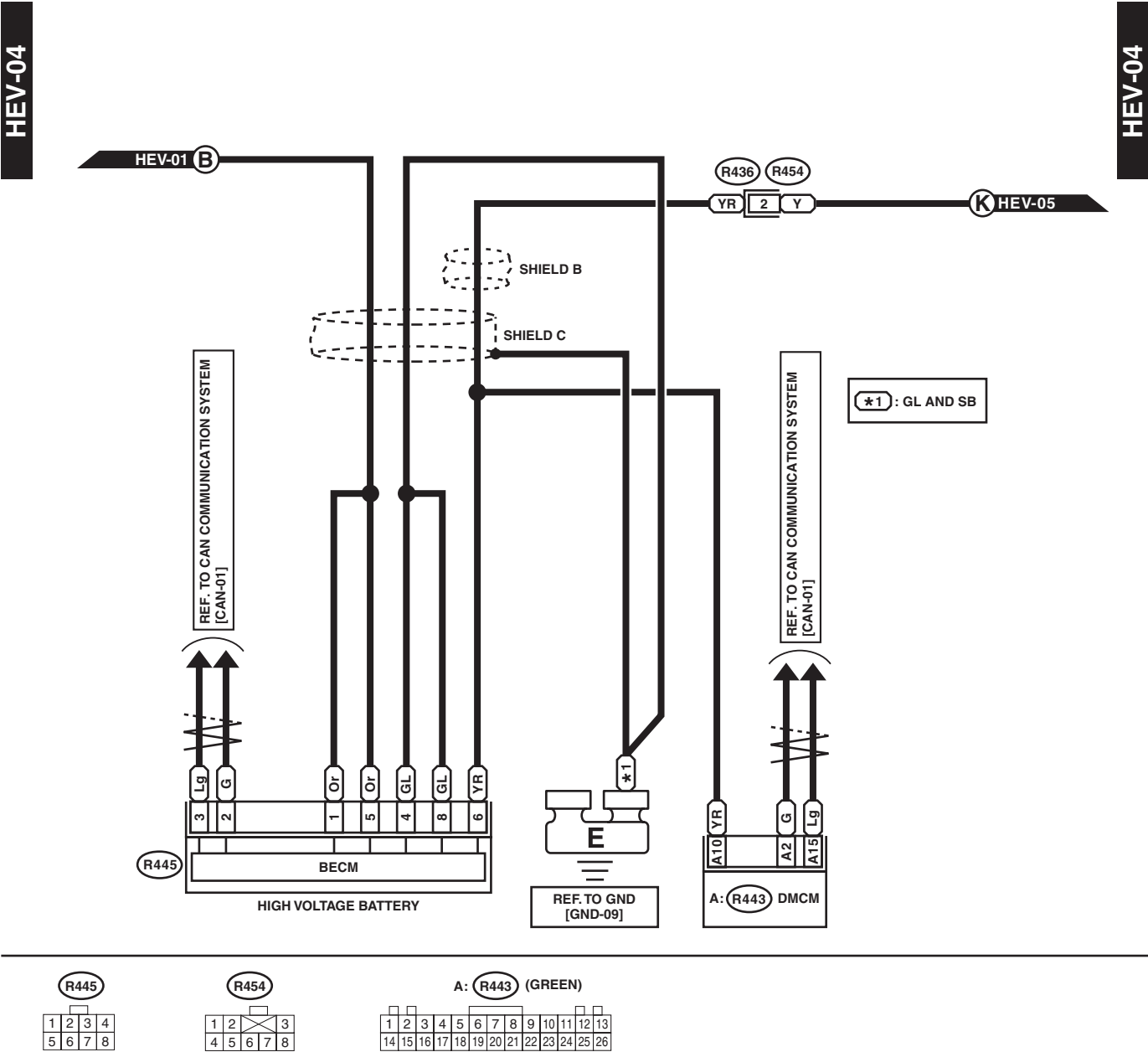
WI-41882

Hybrid Electric Vehicle System

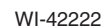
WIRING SYSTEM



WI-42220

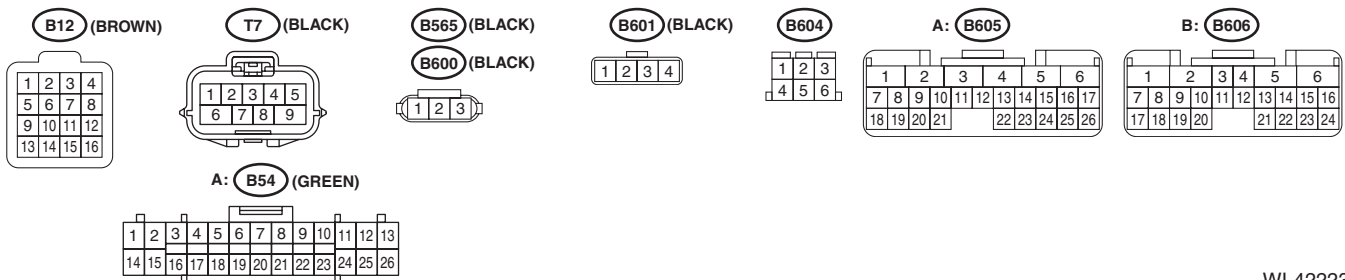
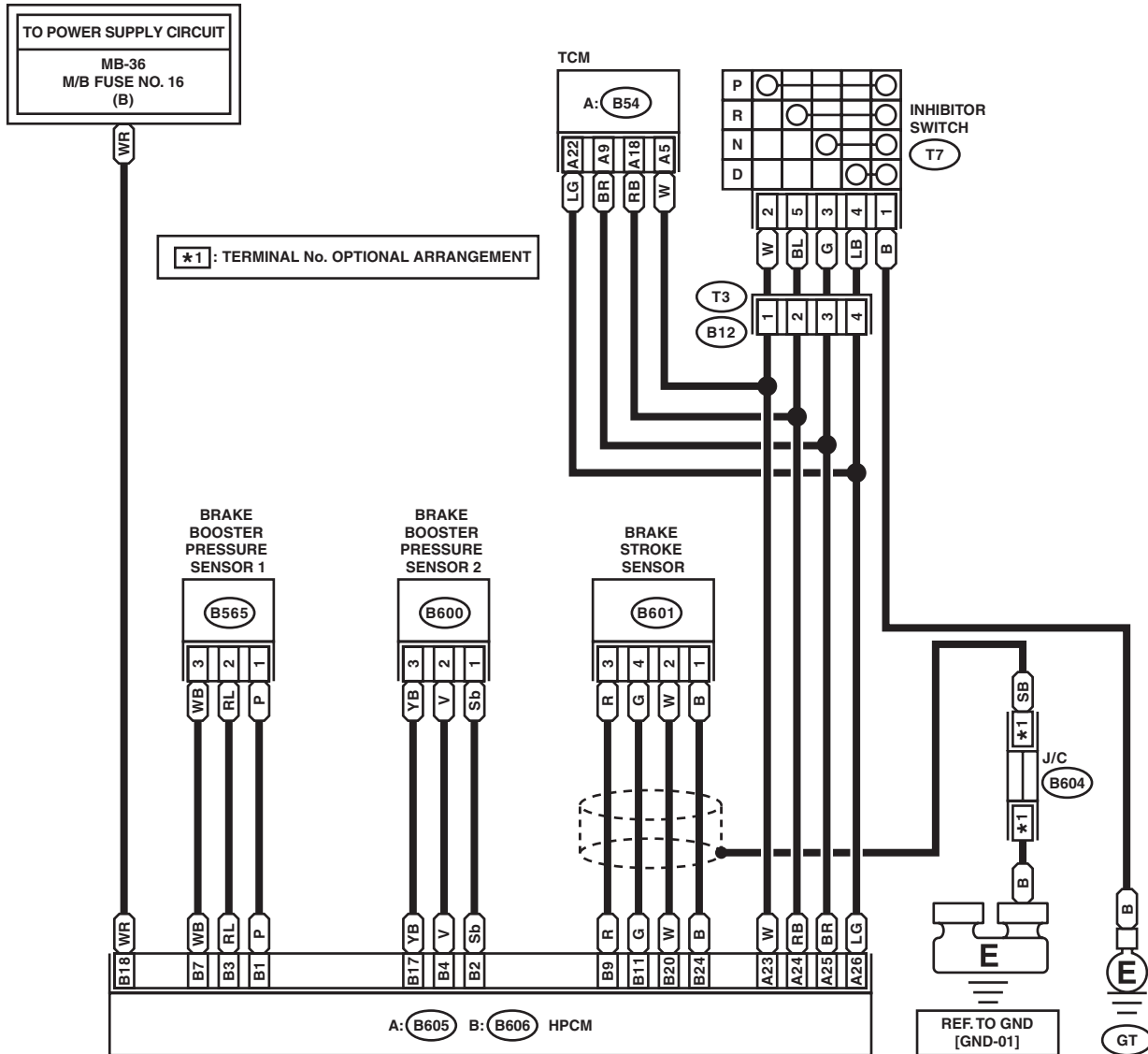


WIRING SYSTEM



HEV-06

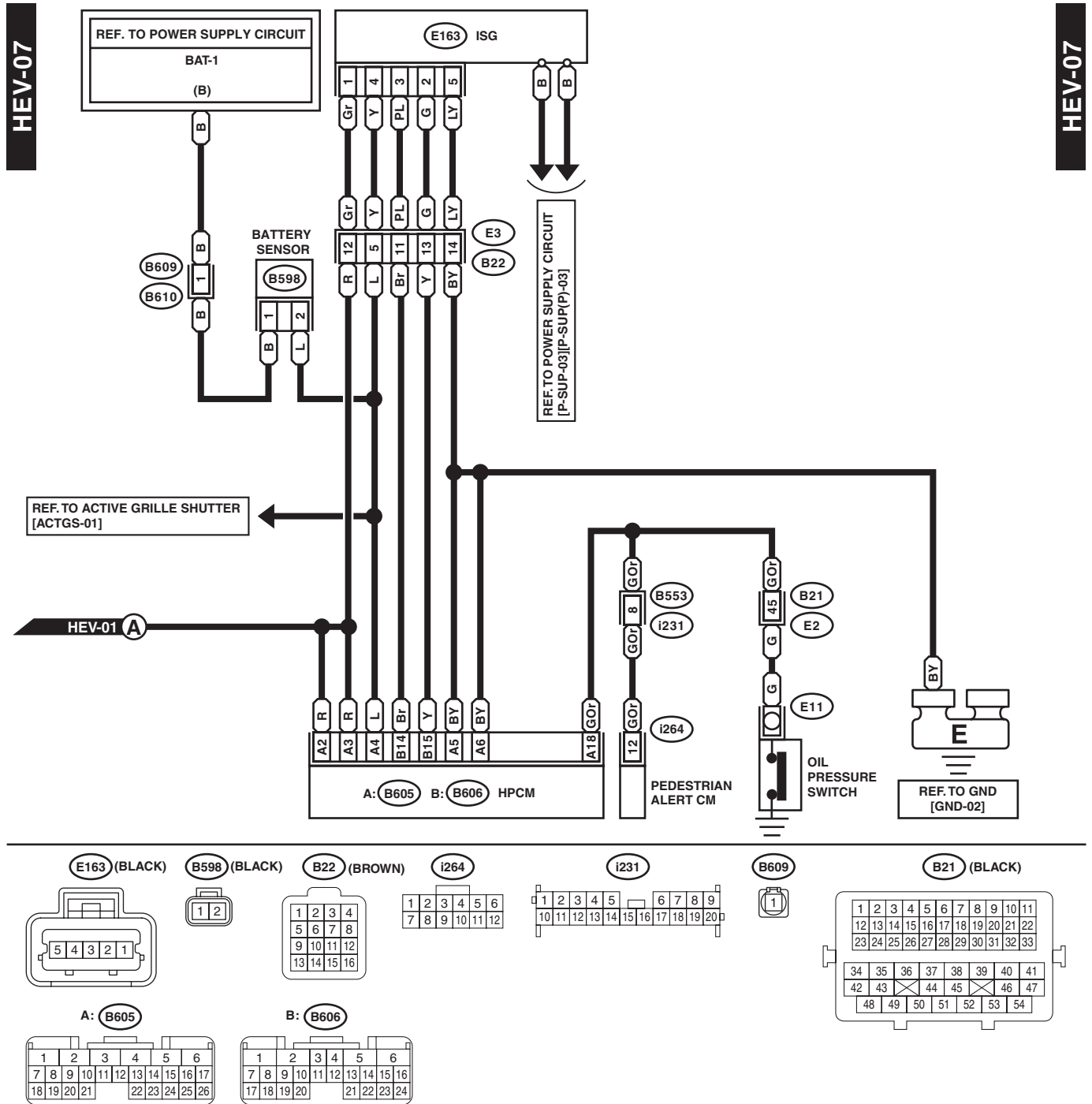
HEV-06



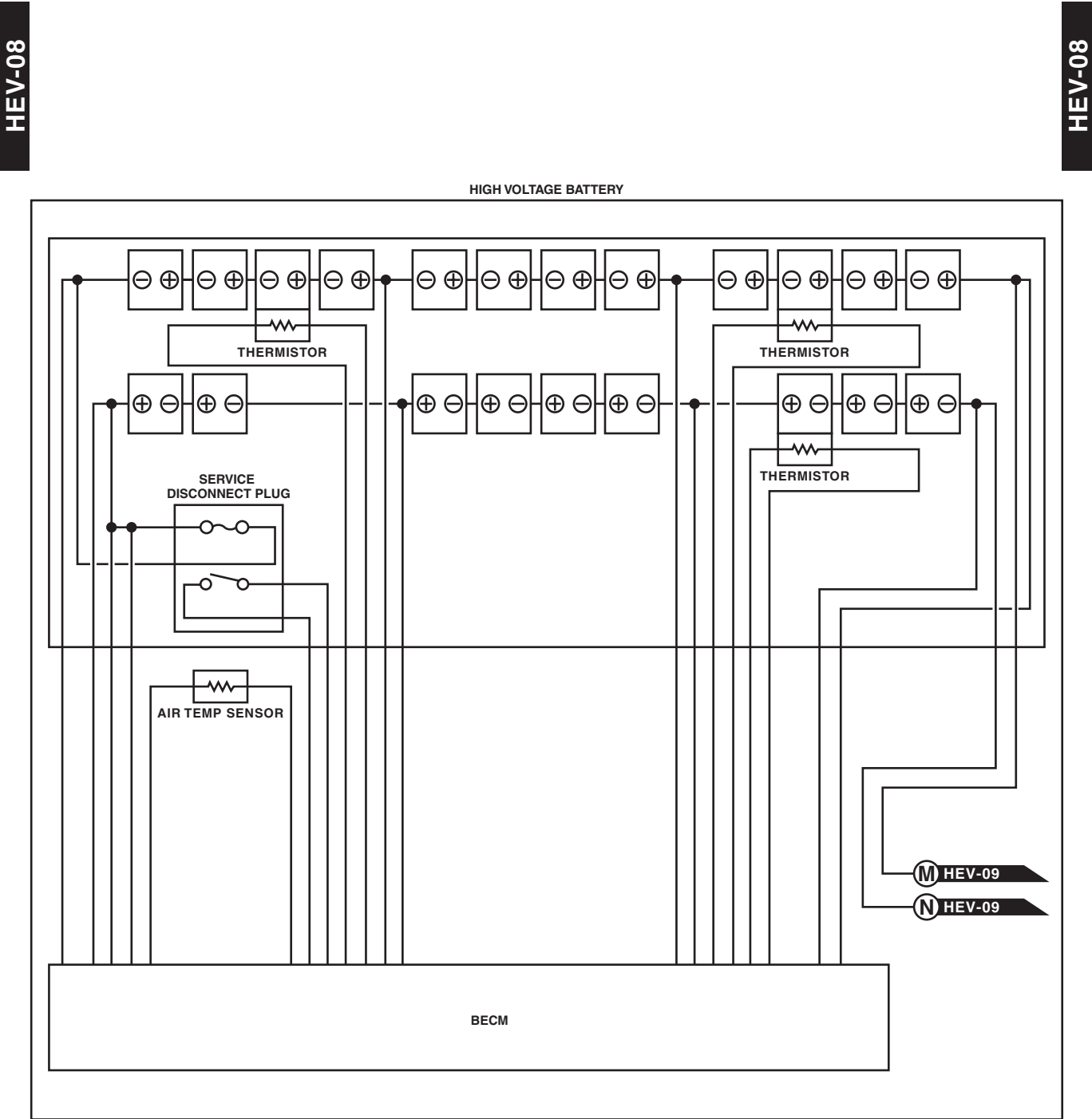
WI-42223

Hybrid Electric Vehicle System

WIRING SYSTEM

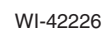


WI-48717



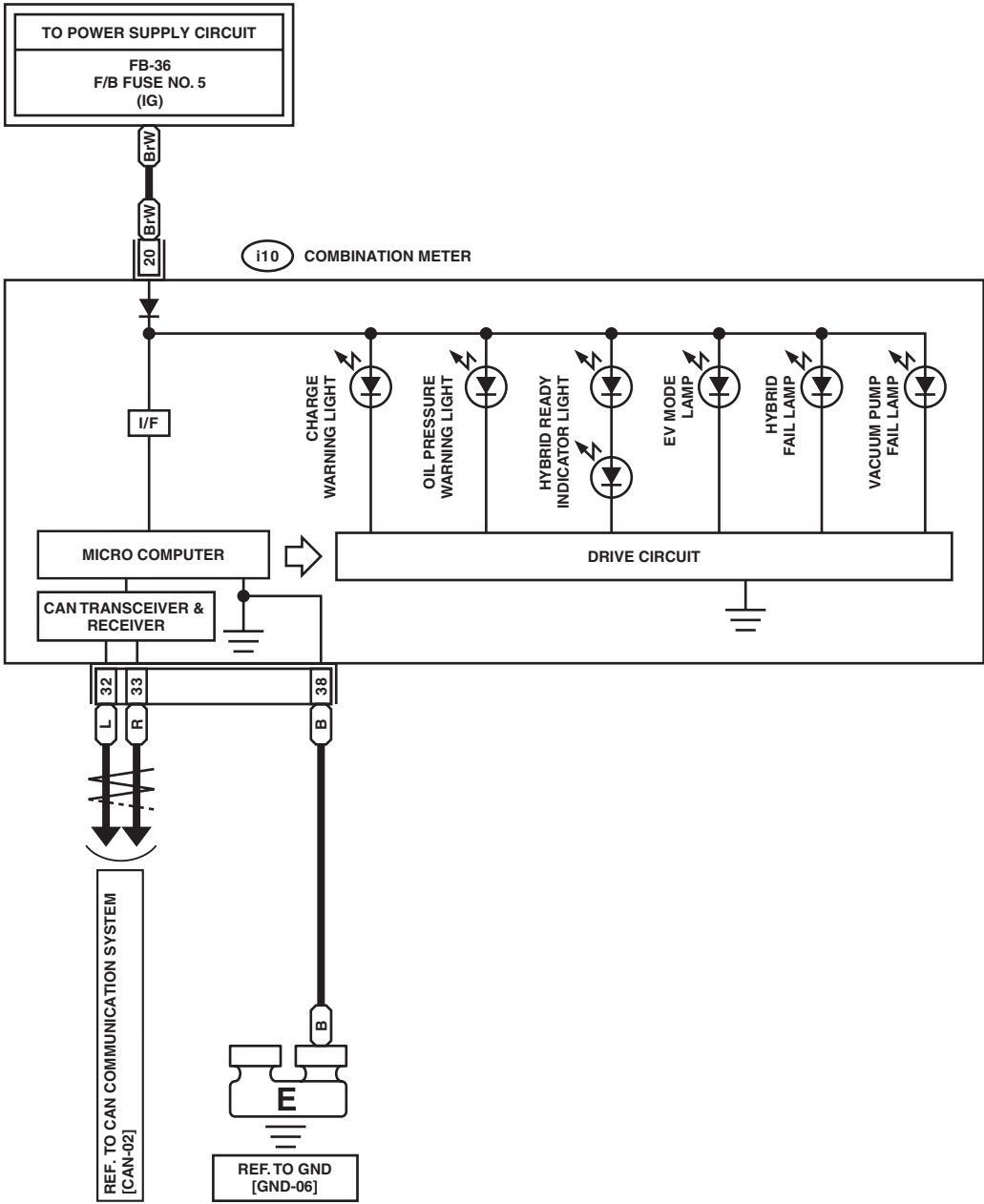
WI-42225

WIRING SYSTEM



HEV-10

HEV-10



i10

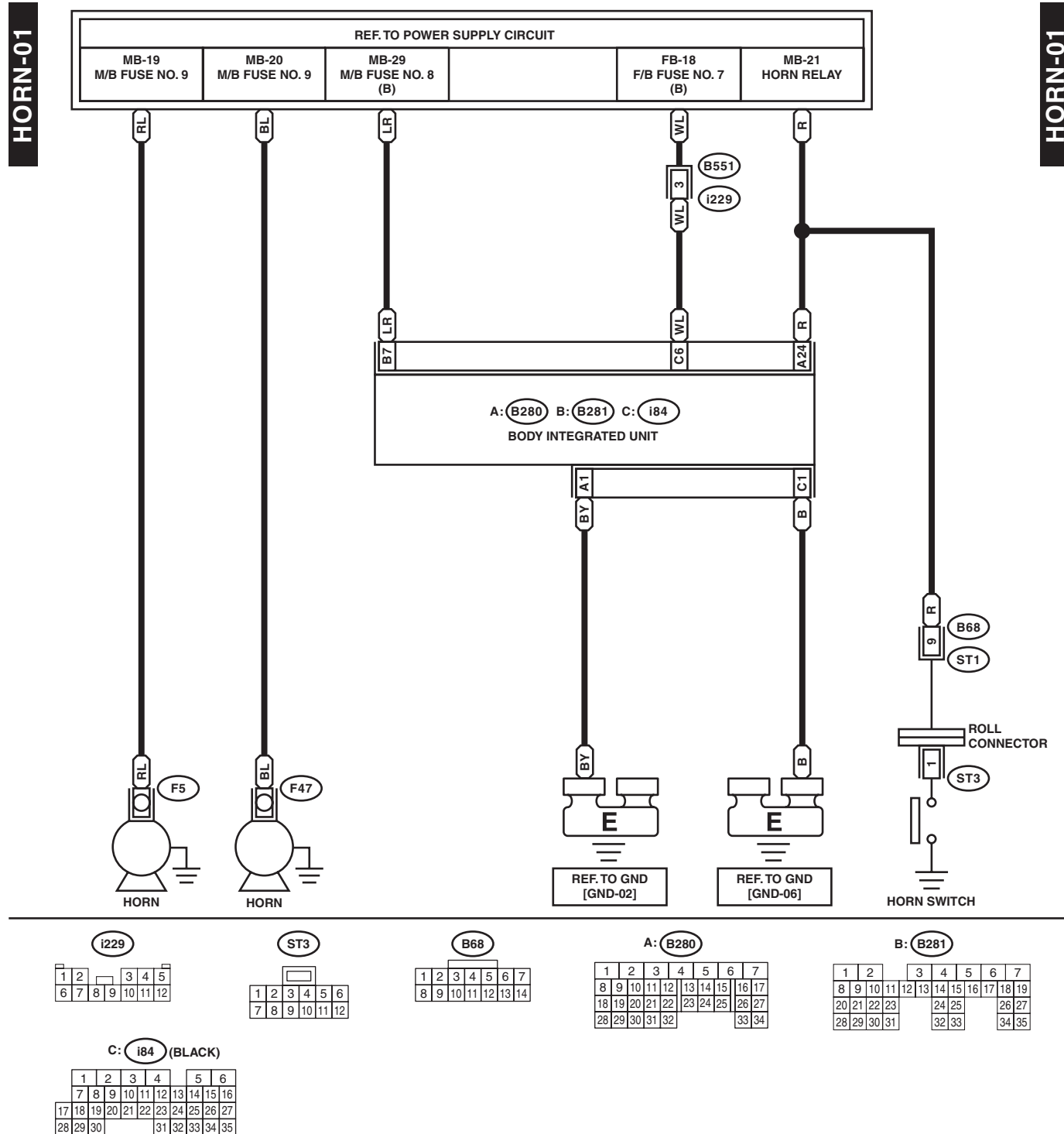
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40

Horn System

WIRING SYSTEM

26.Horn System

A: WIRING DIAGRAM

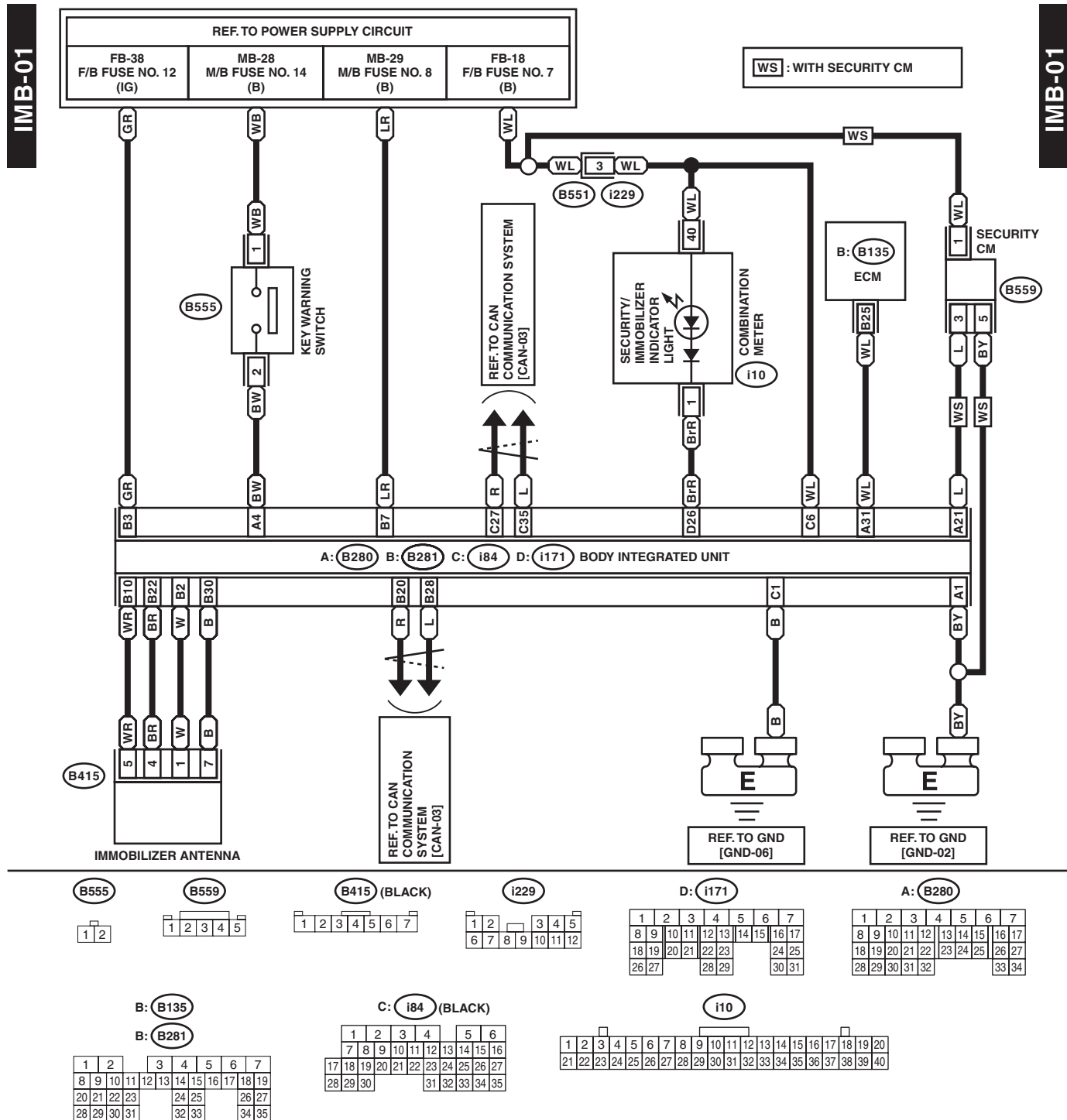


WI-48094

27. Immobilizer System

A: WIRING DIAGRAM

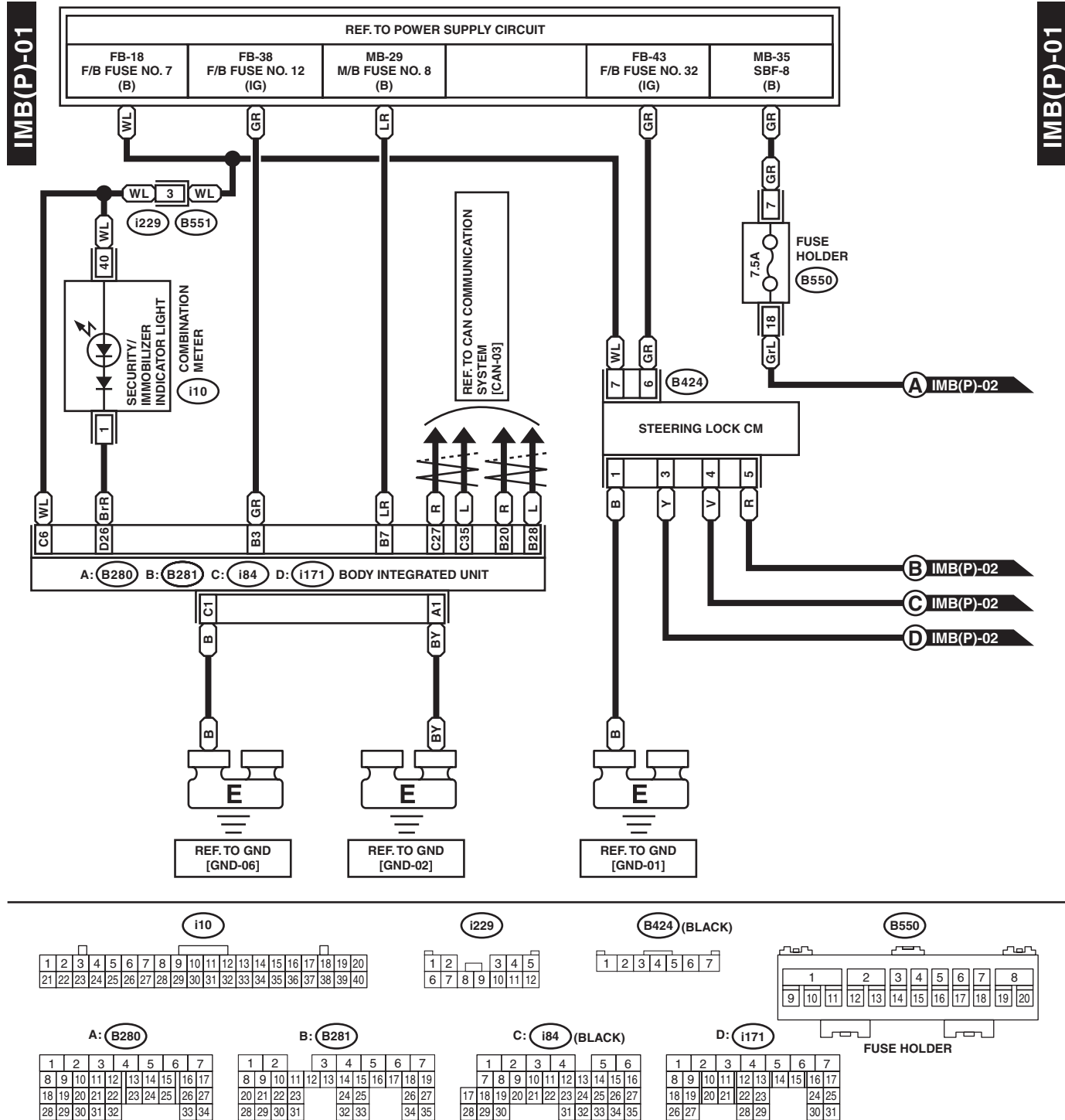
1. WITHOUT PUSH BUTTON START



Immobilizer System

WIRING SYSTEM

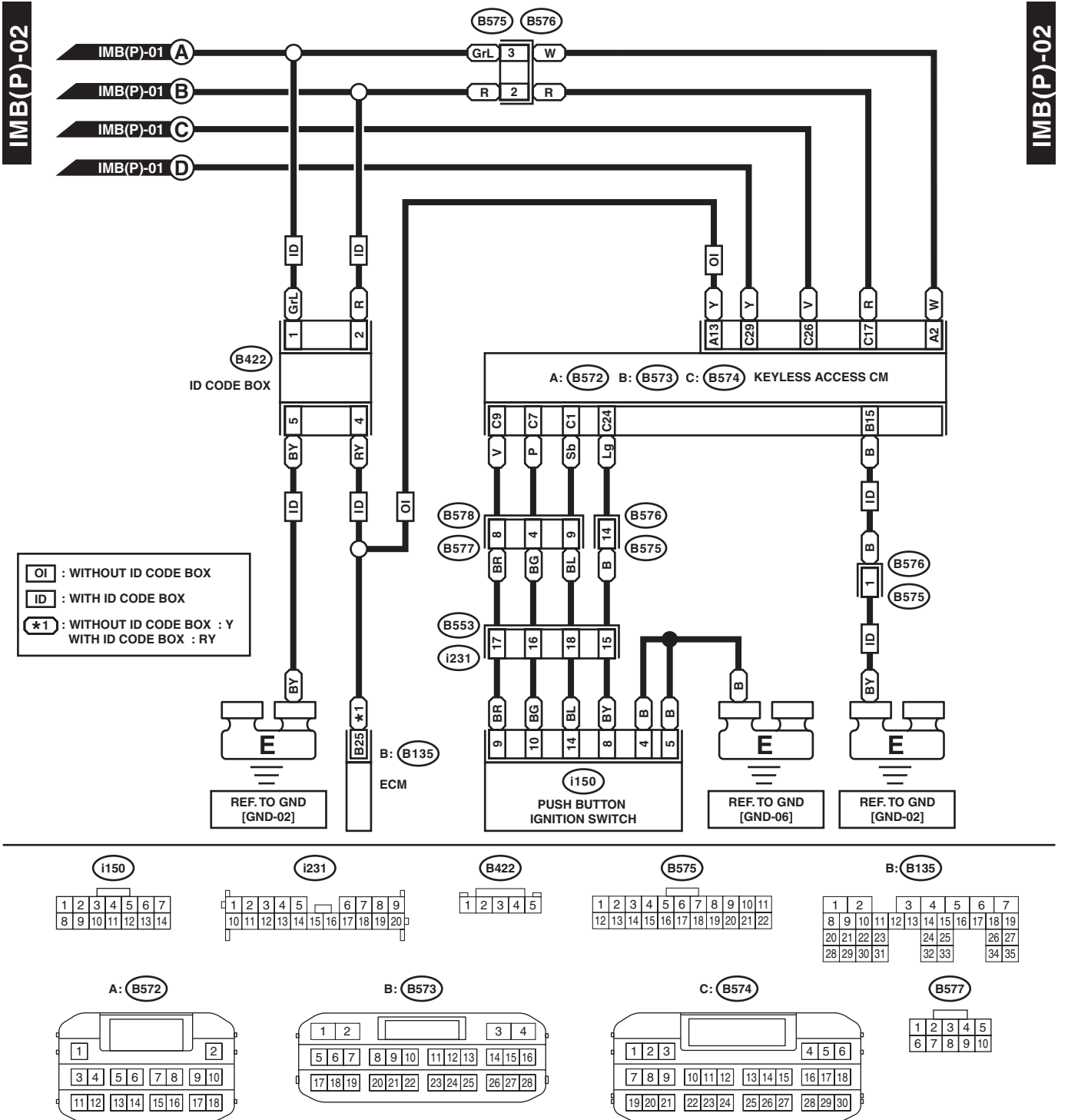
2. WITH PUSH BUTTON START



WI-48096

Immobilizer System

WIRING SYSTEM



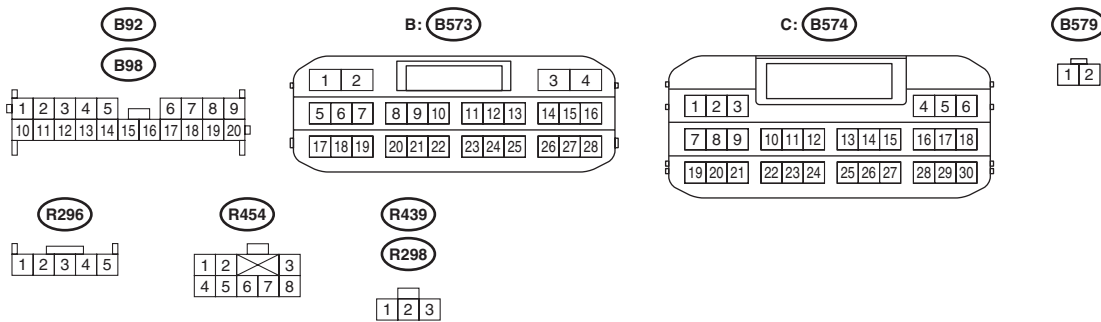
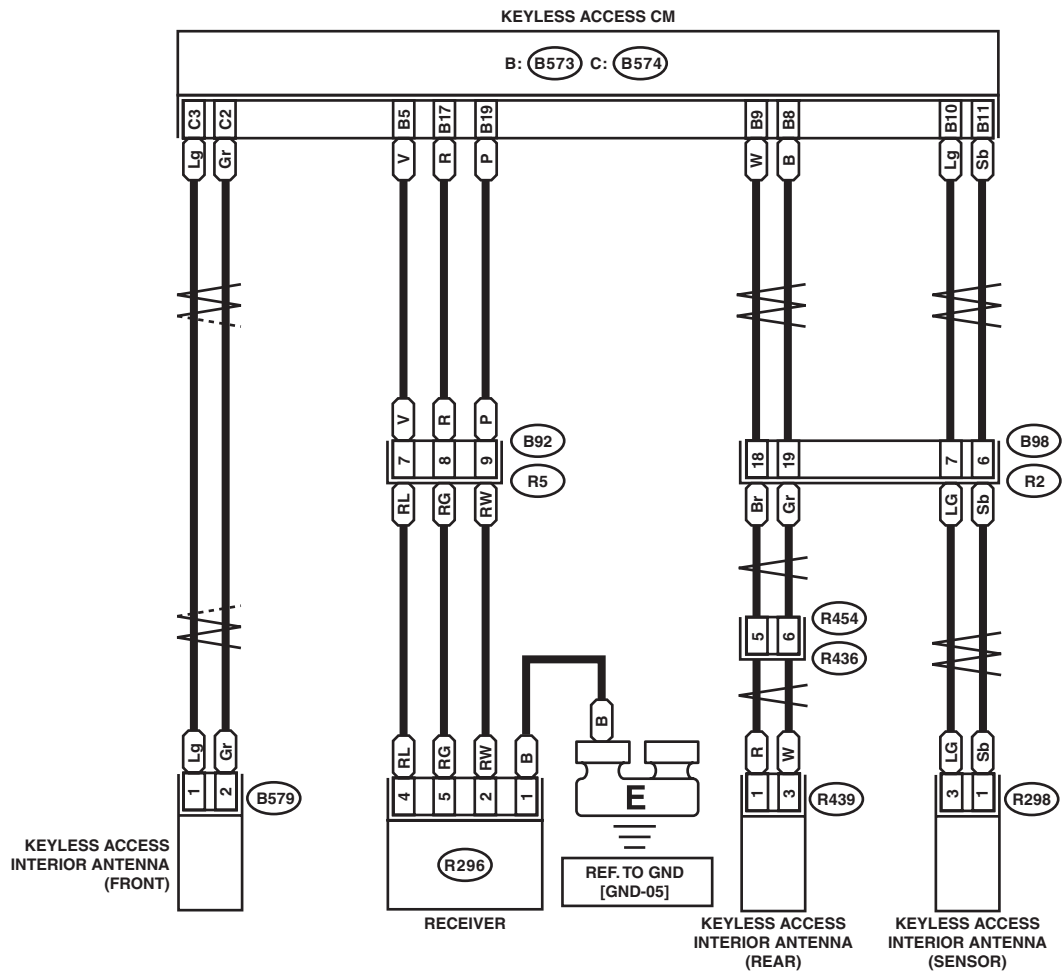
WI-48097

Immobilizer System

WIRING SYSTEM

IMB(P)-03

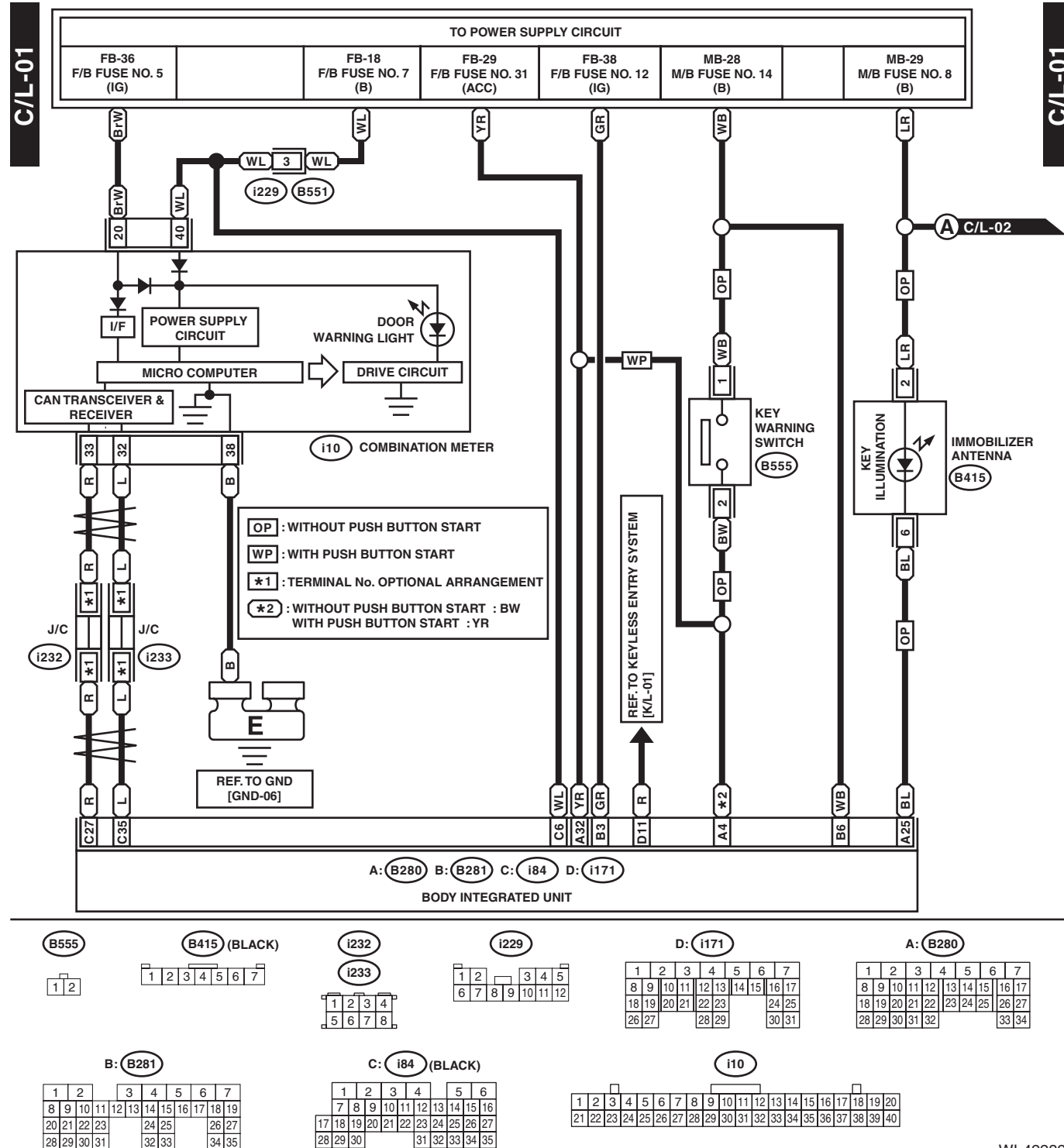
IMB(P)-03



WI-48098

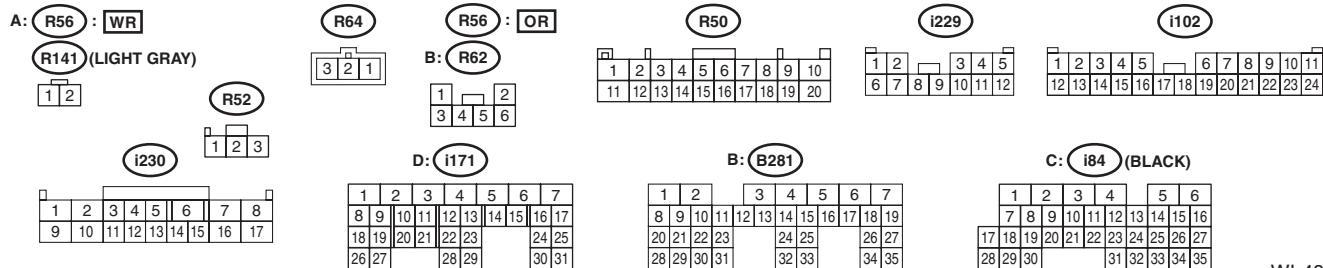
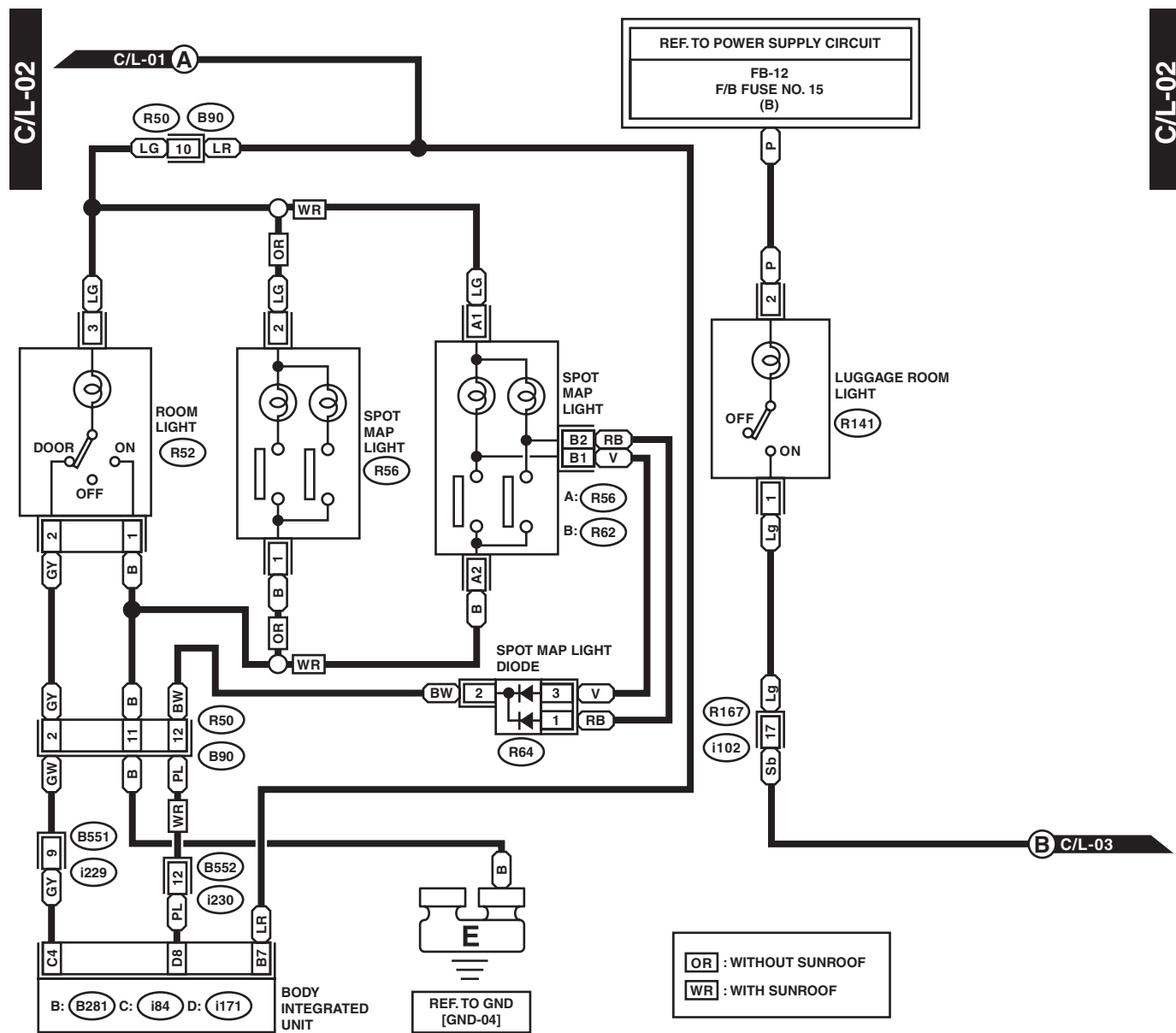
28. Interior Light System

A: WIRING DIAGRAM



Interior Light System

WIRING SYSTEM



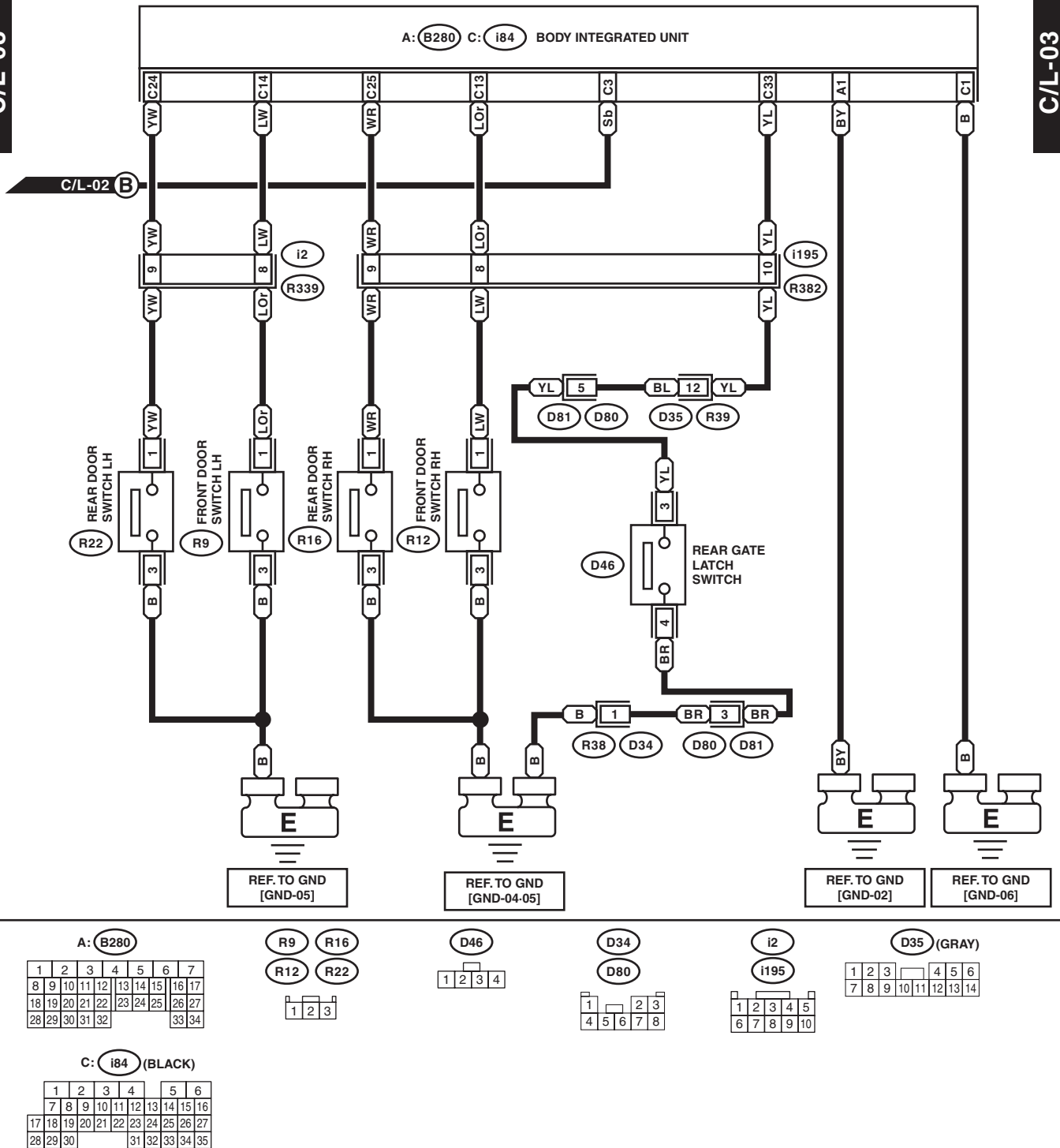
WI-48099

Interior Light System

WIRING SYSTEM

C/L-03

C/L-03



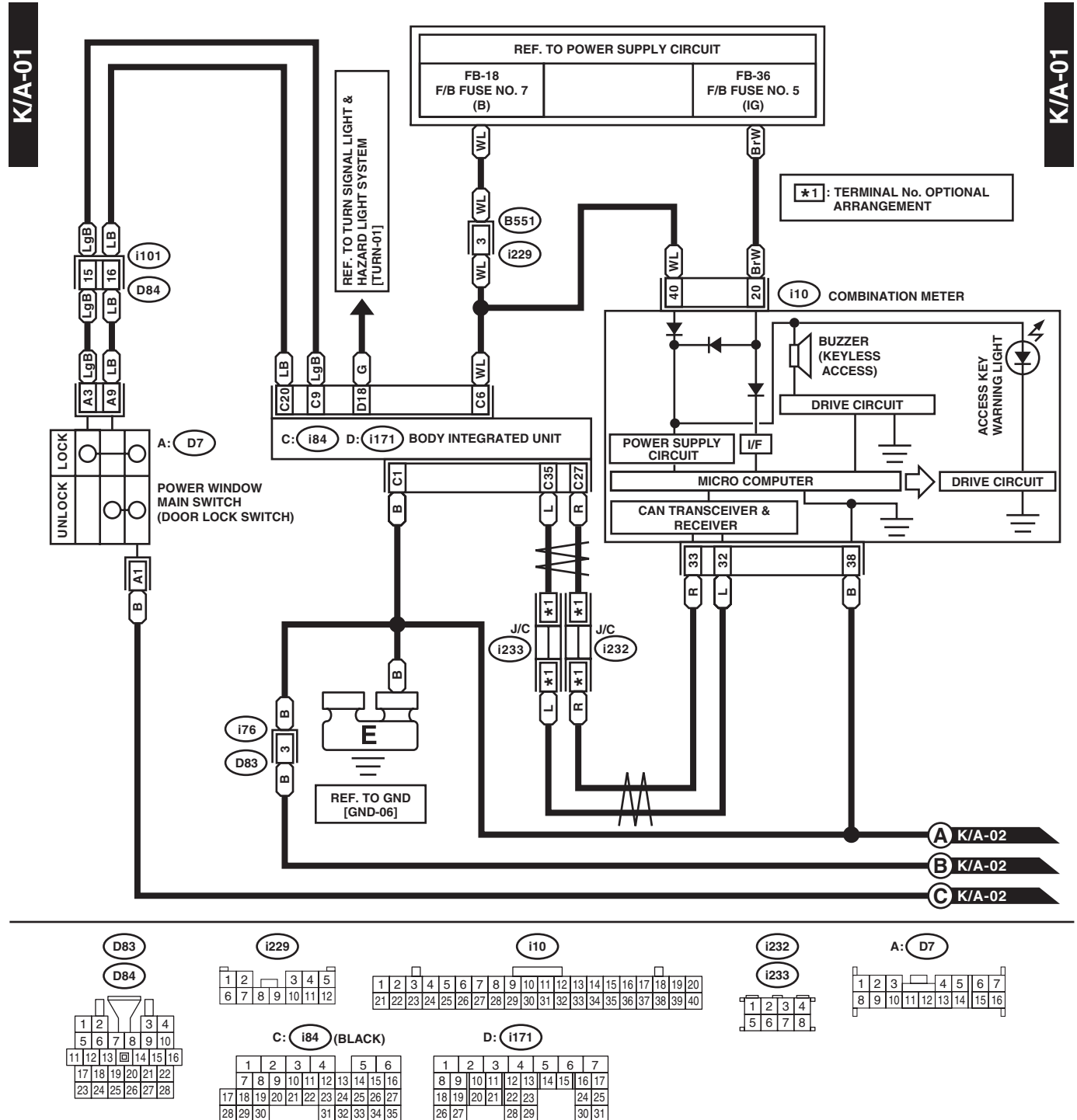
WI-48100

Keyless Access System

WIRING SYSTEM

29.Keyless Access System

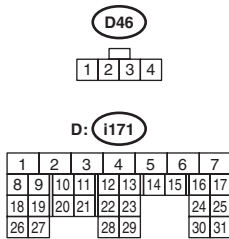
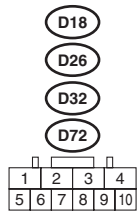
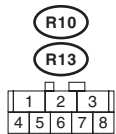
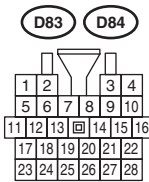
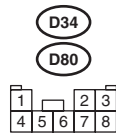
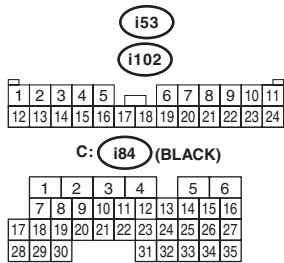
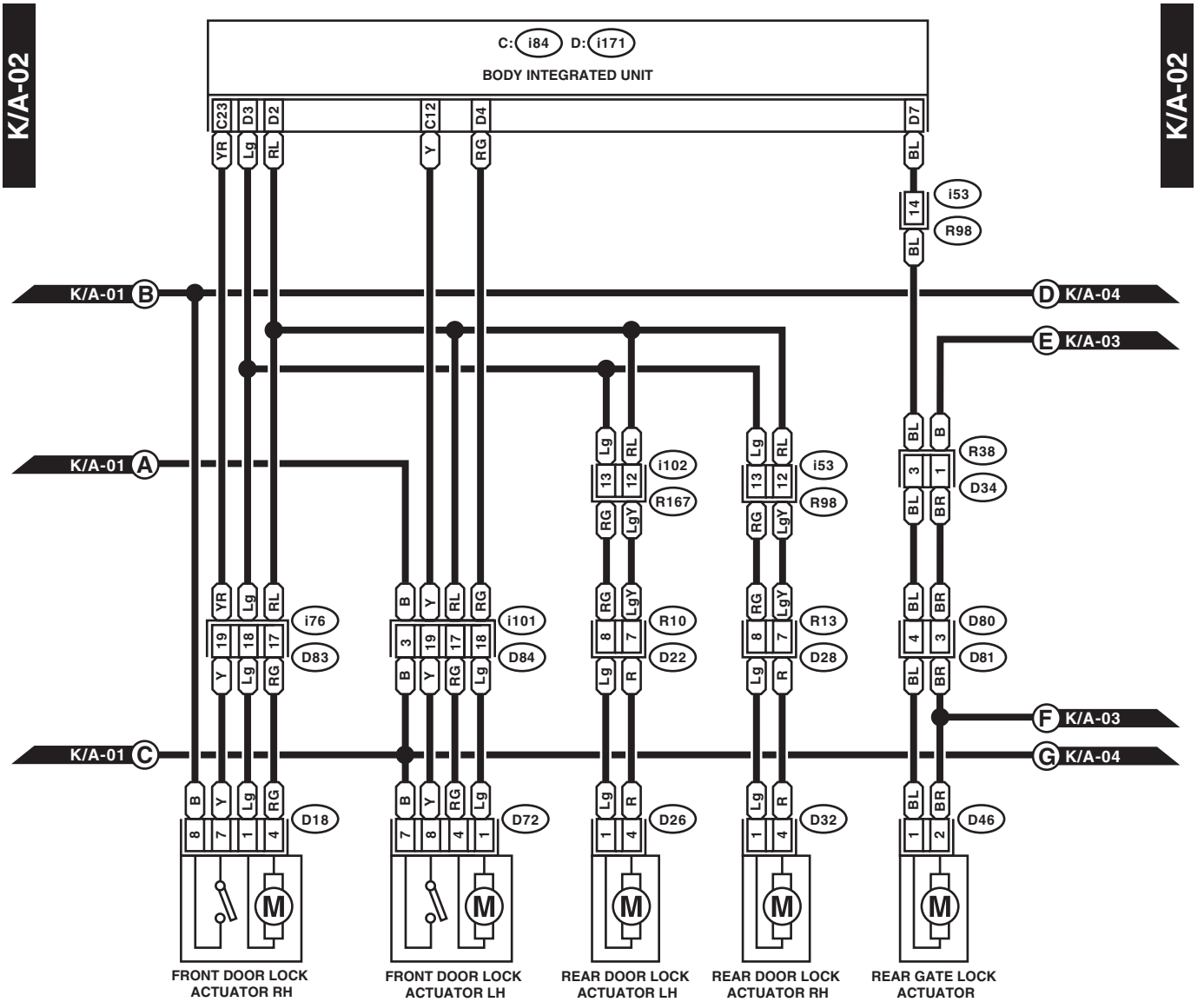
A: WIRING DIAGRAM



WI-48101

Keyless Access System

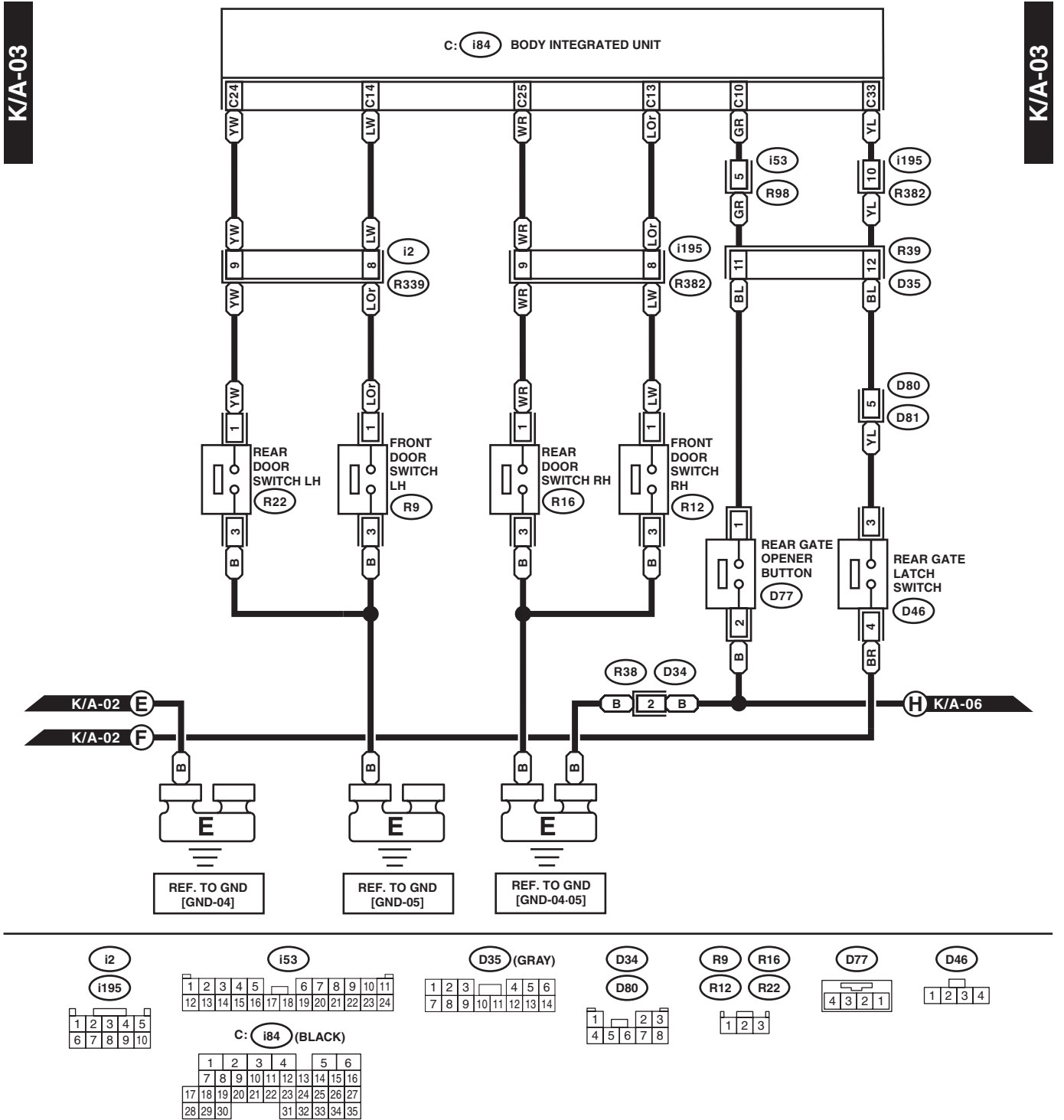
WIRING SYSTEM



WI-48102

Keyless Access System

WIRING SYSTEM

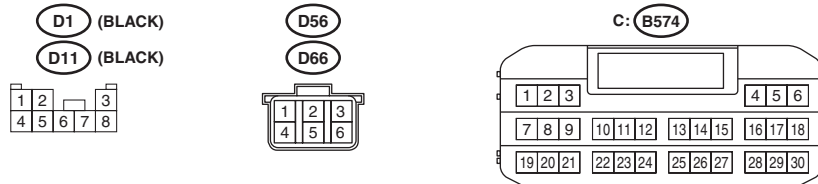
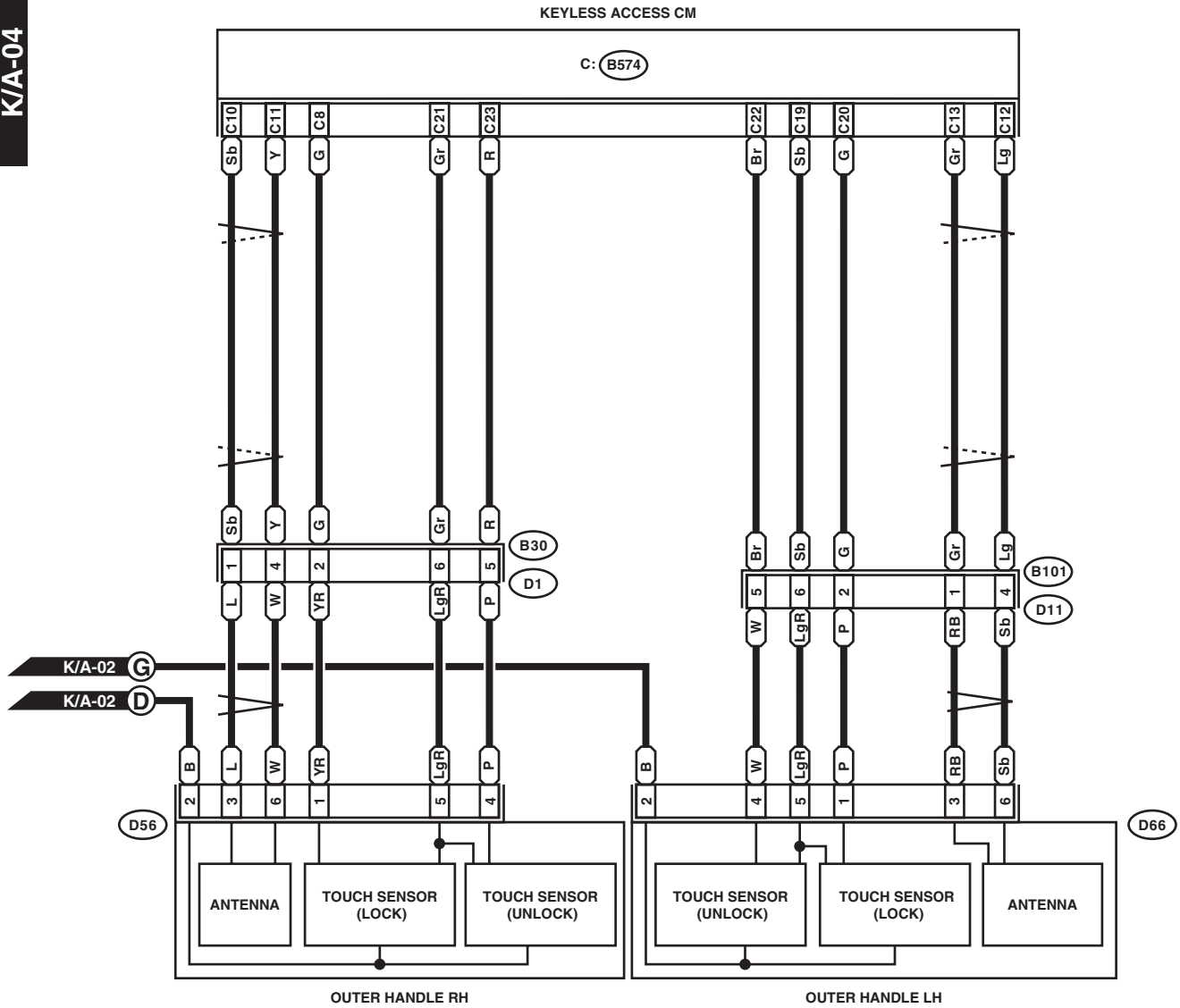


Keyless Access System

WIRING SYSTEM

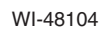
K/A-04

K/A-04



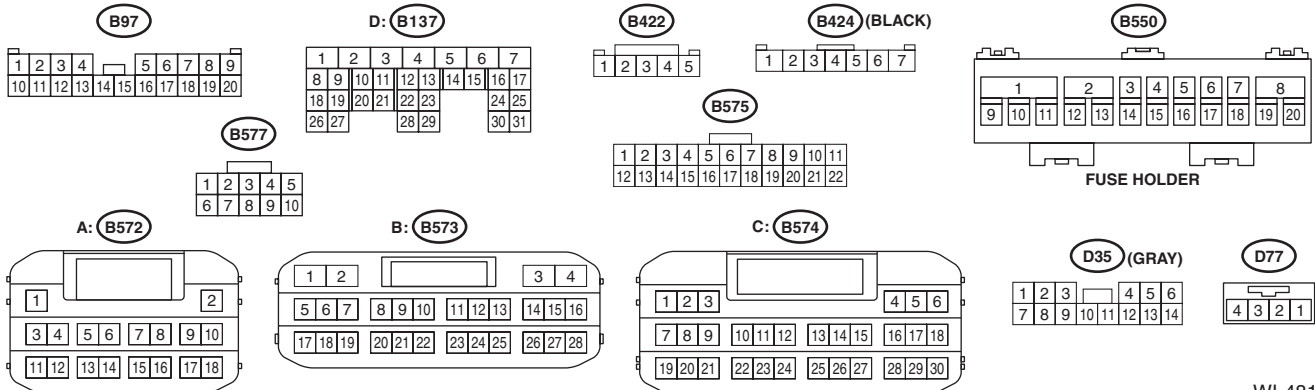
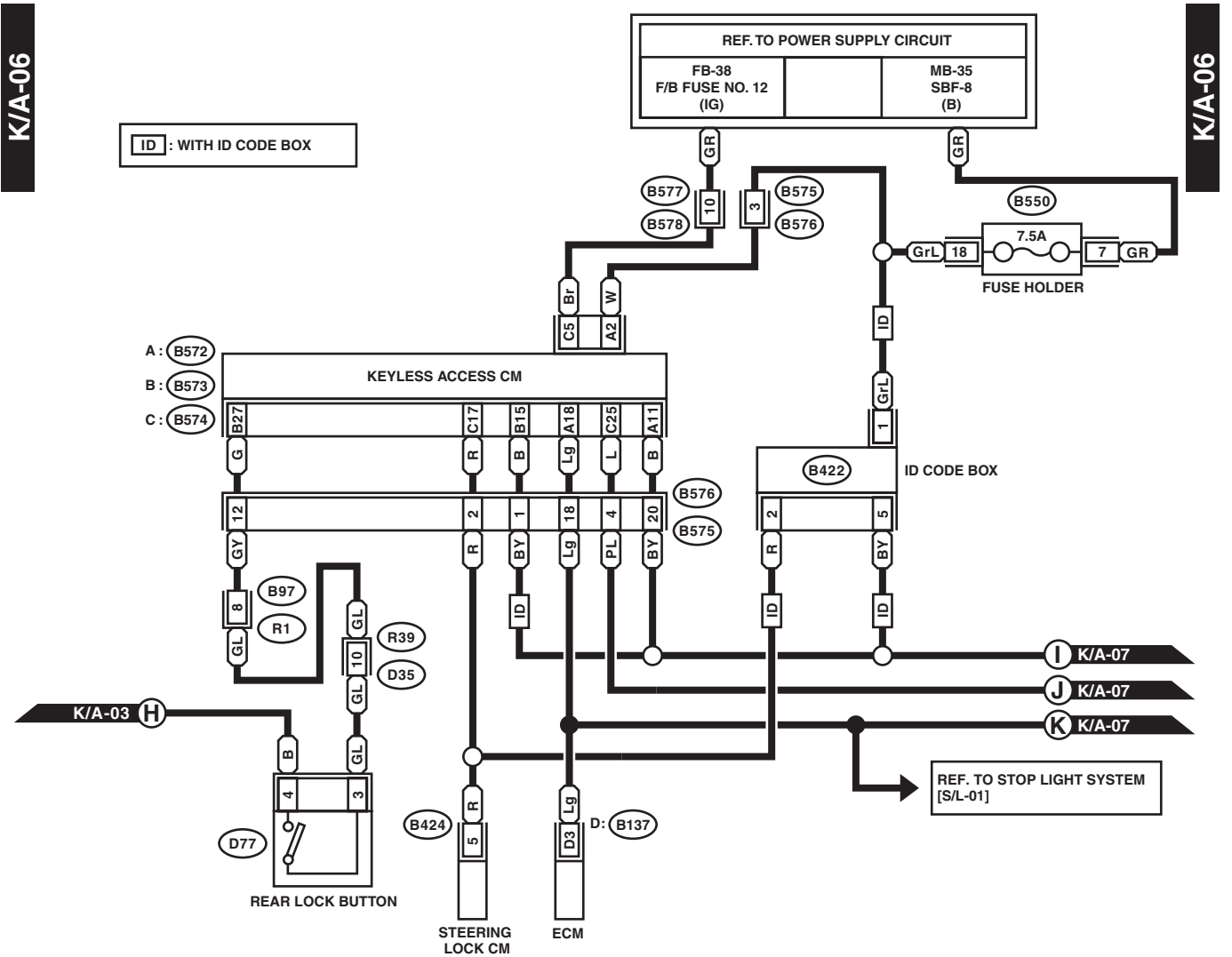
WI-48103

K/A-05



Keyless Access System

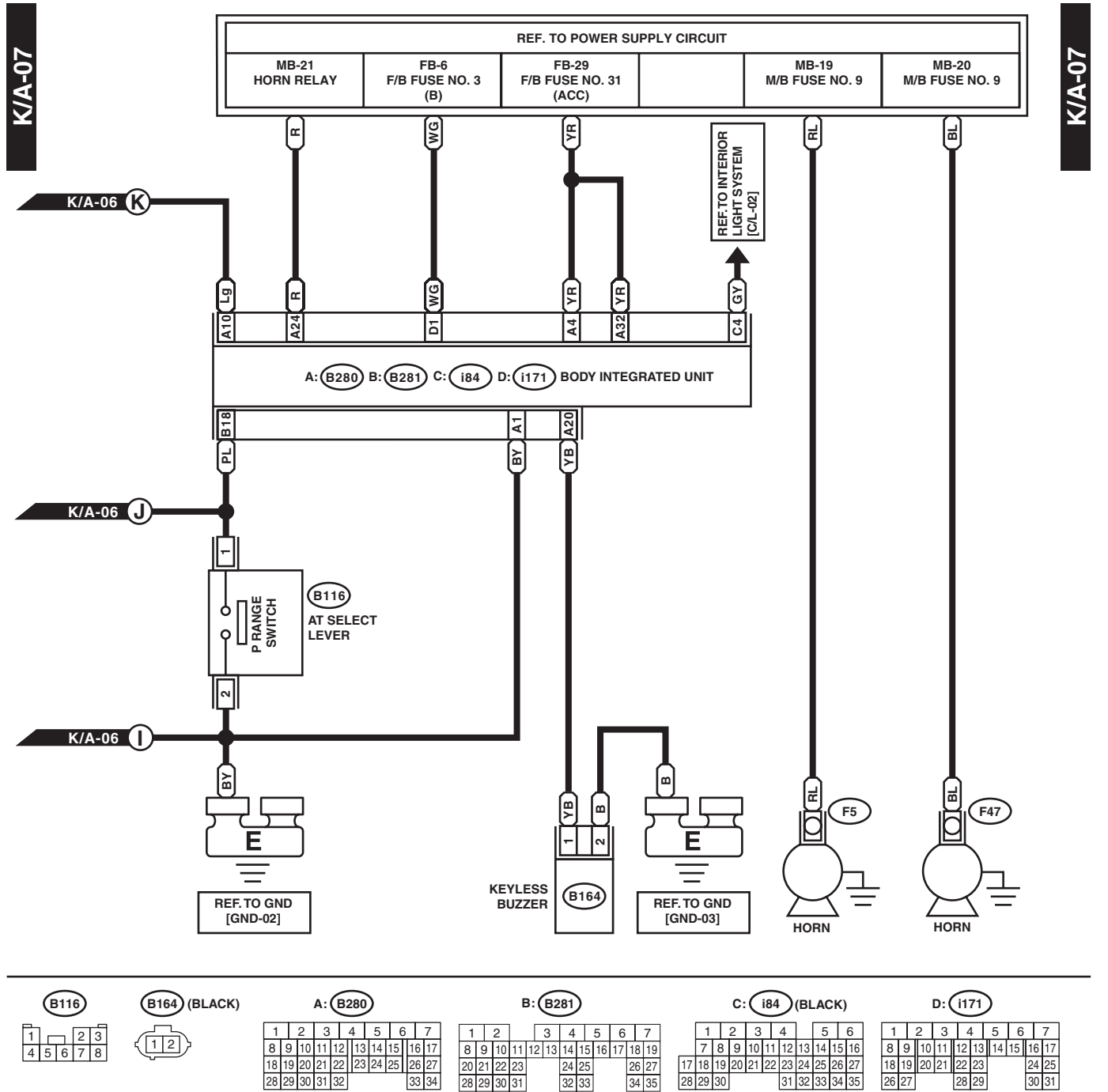
WIRING SYSTEM



WI-48105

Keyless Access System

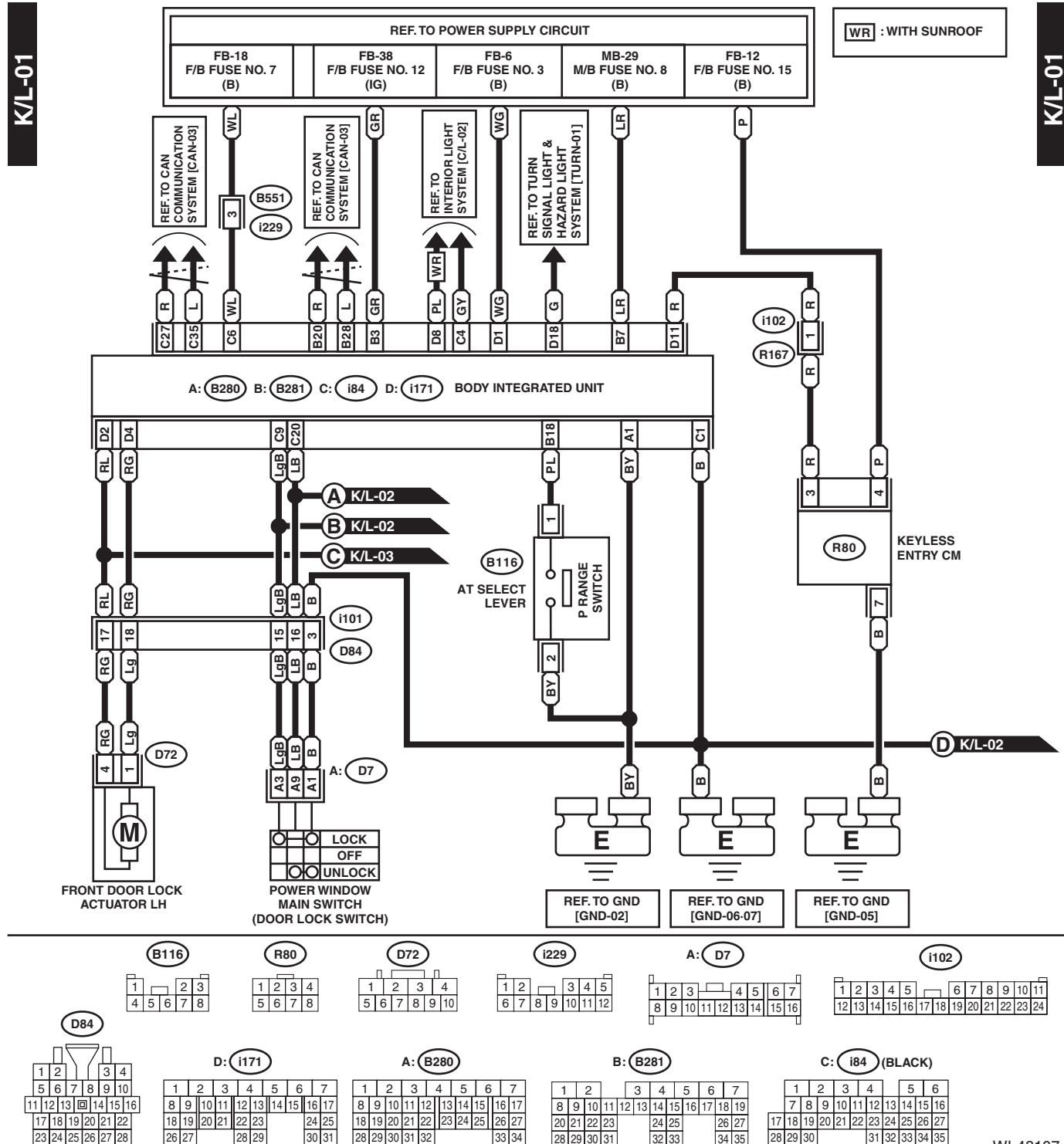
WIRING SYSTEM



WI-48106

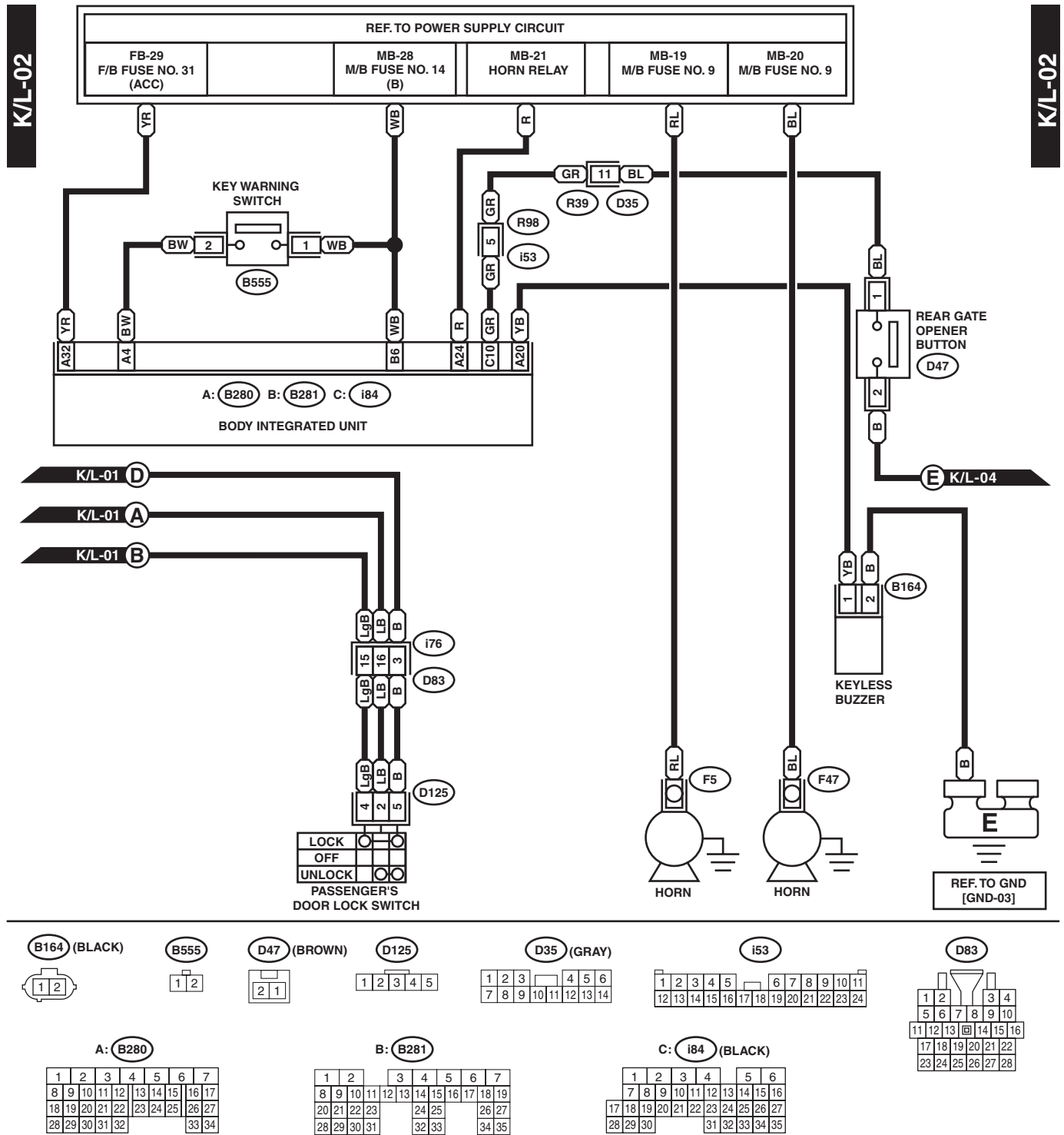
30. Keyless Entry System

A: WIRING DIAGRAM



Keyless Entry System

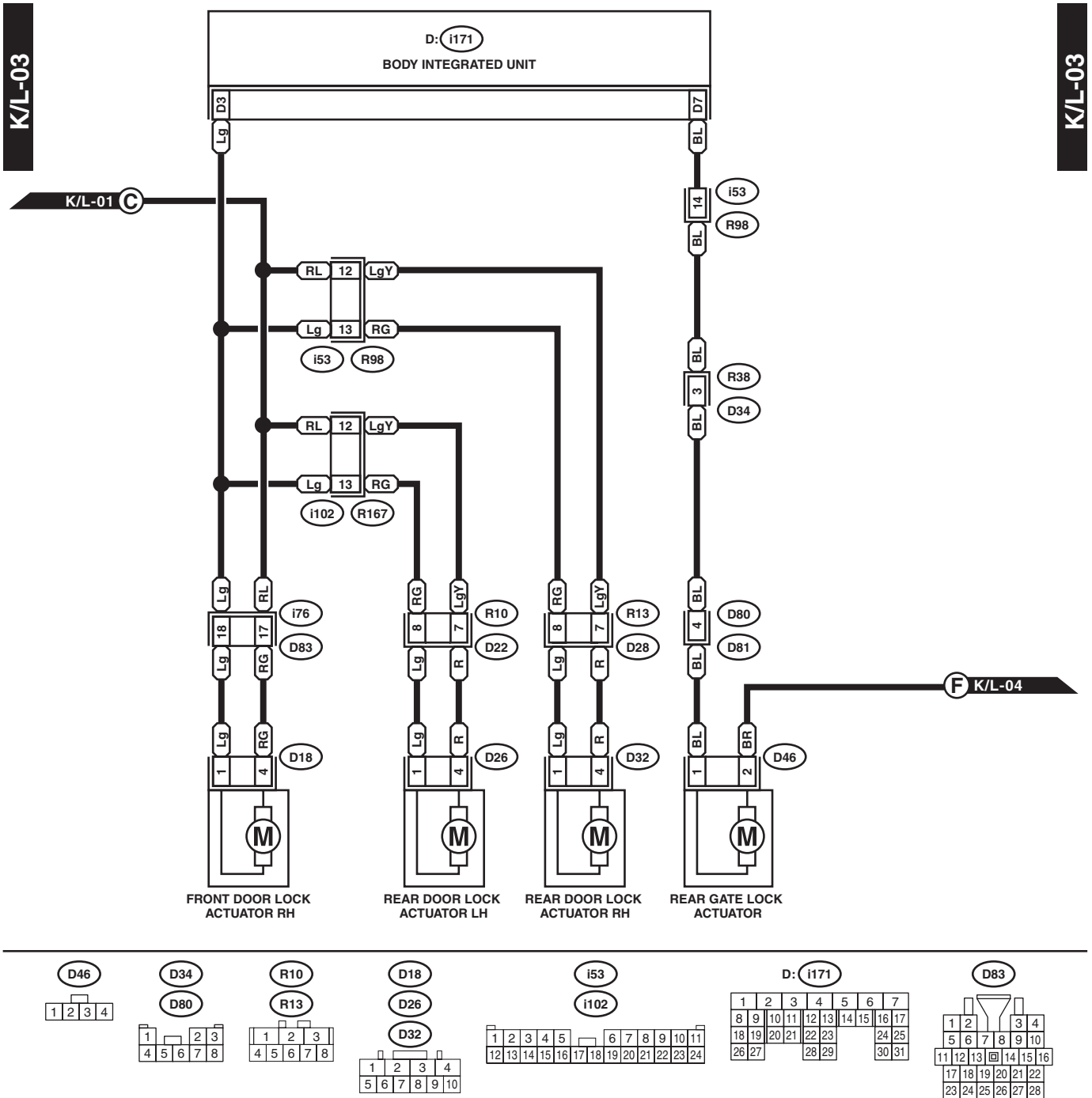
WIRING SYSTEM



WI-48108

Keyless Entry System

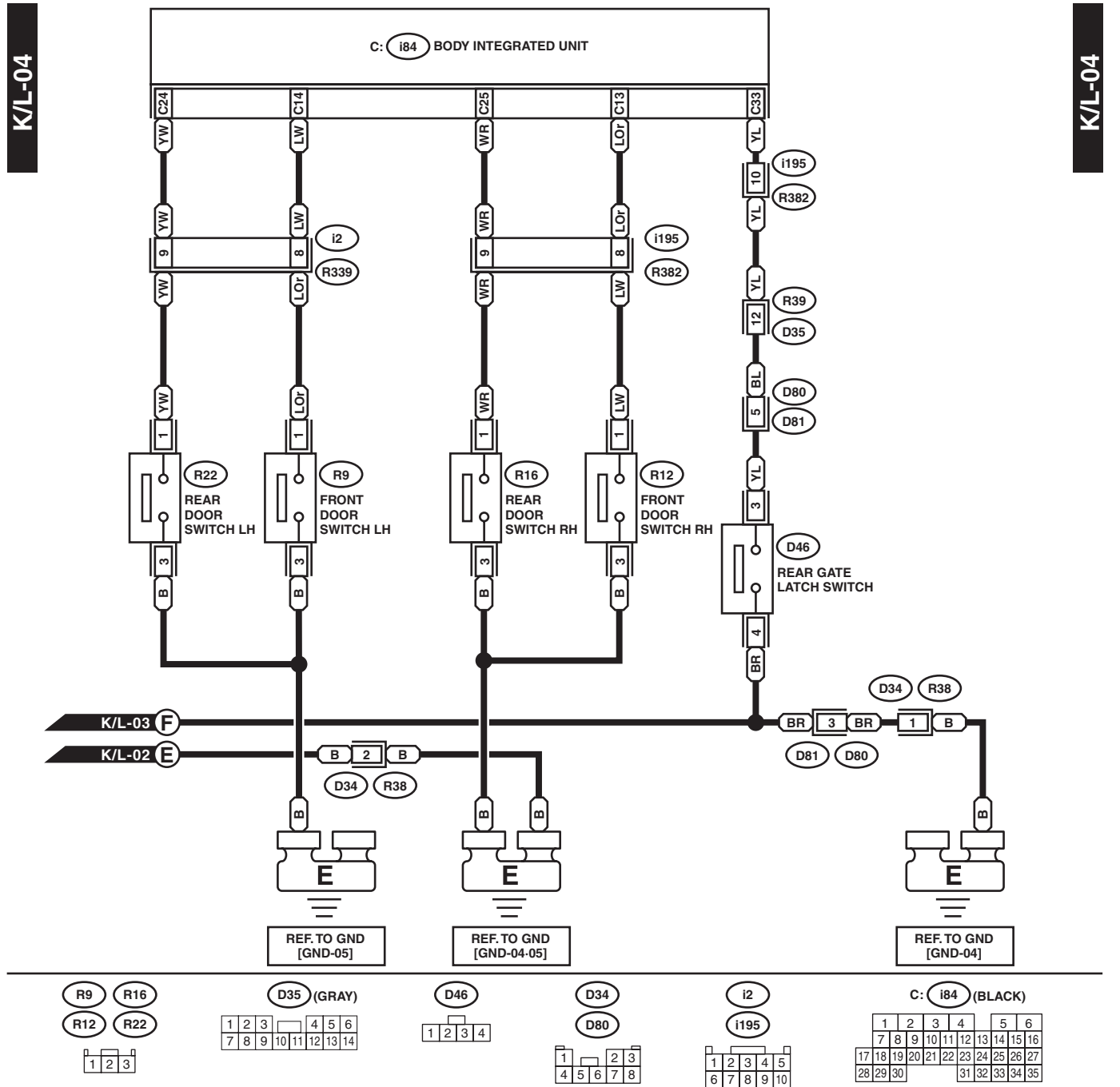
WIRING SYSTEM



WI-48109

Keyless Entry System

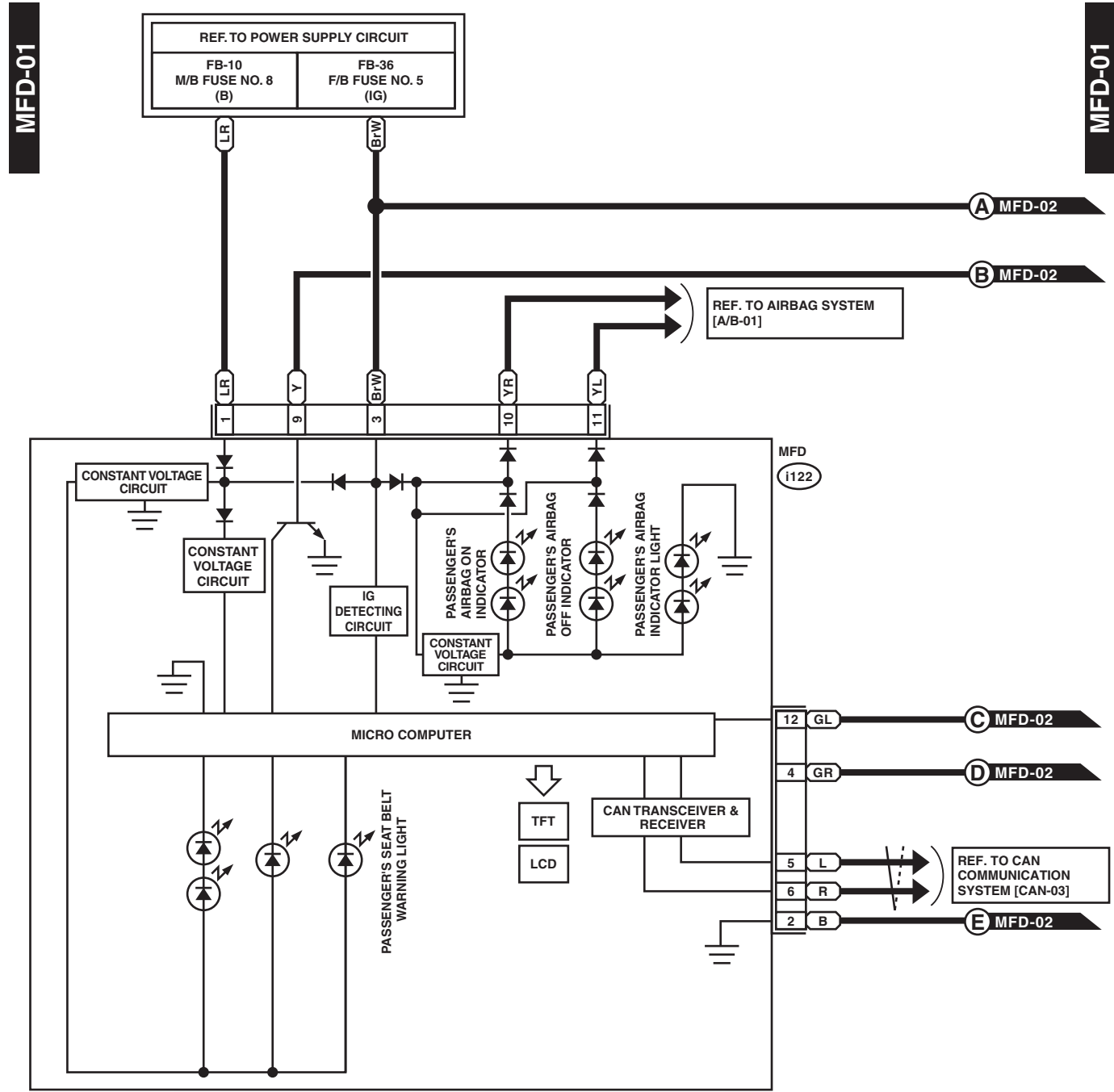
WIRING SYSTEM



WI-42245

31. Multi-function Display (MFD) System

A: WIRING DIAGRAM



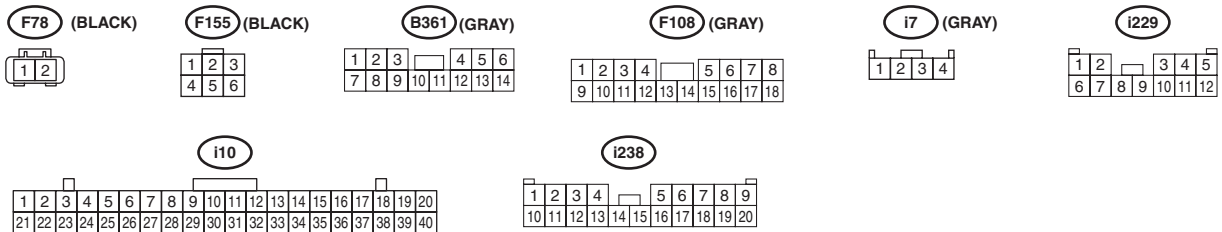
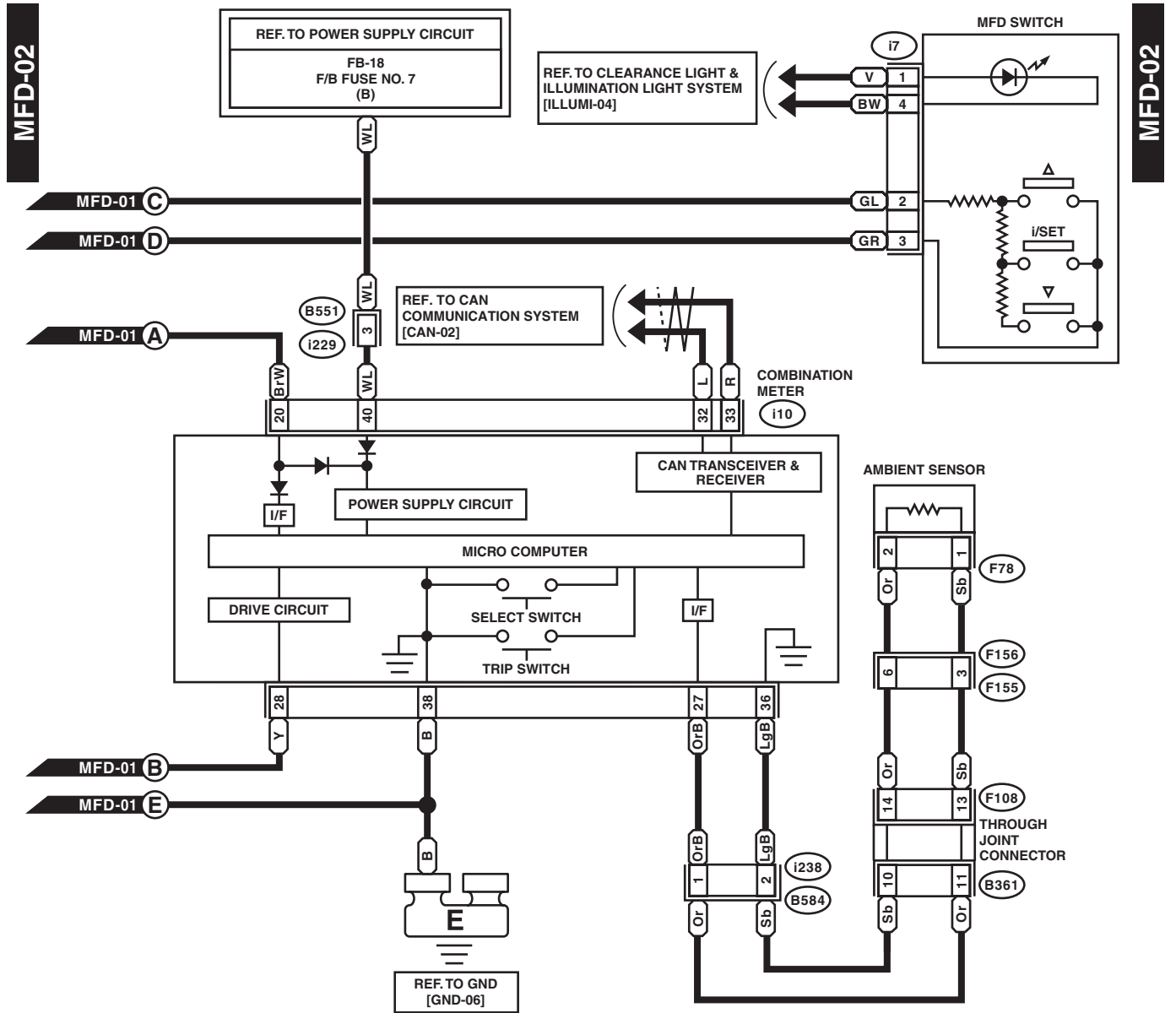
(1122) (BLACK)

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

WI-48110

Multi-function Display (MFD) System

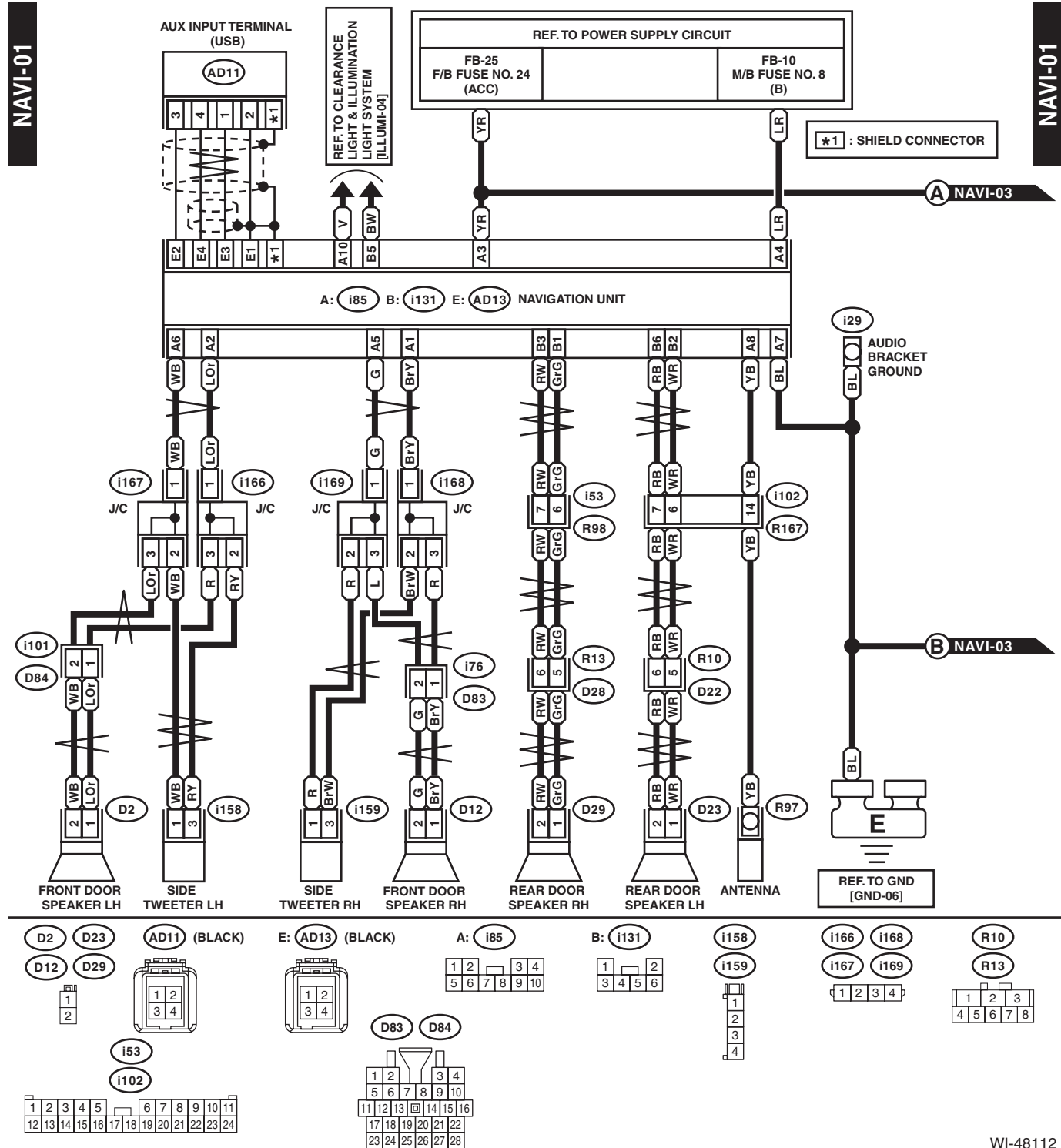
WIRING SYSTEM



WI-48111

32. Navigation System

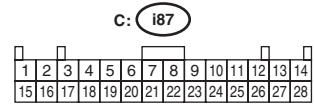
A: WIRING DIAGRAM

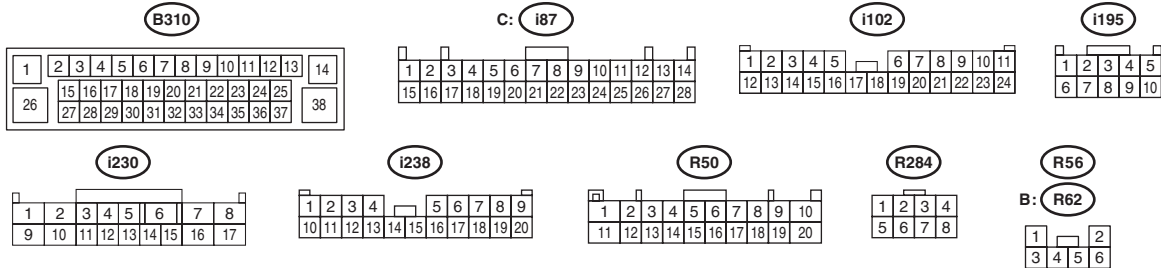


WI-48112

WIRING SYSTEM

NAVI-02

**WI(HEV)-172**

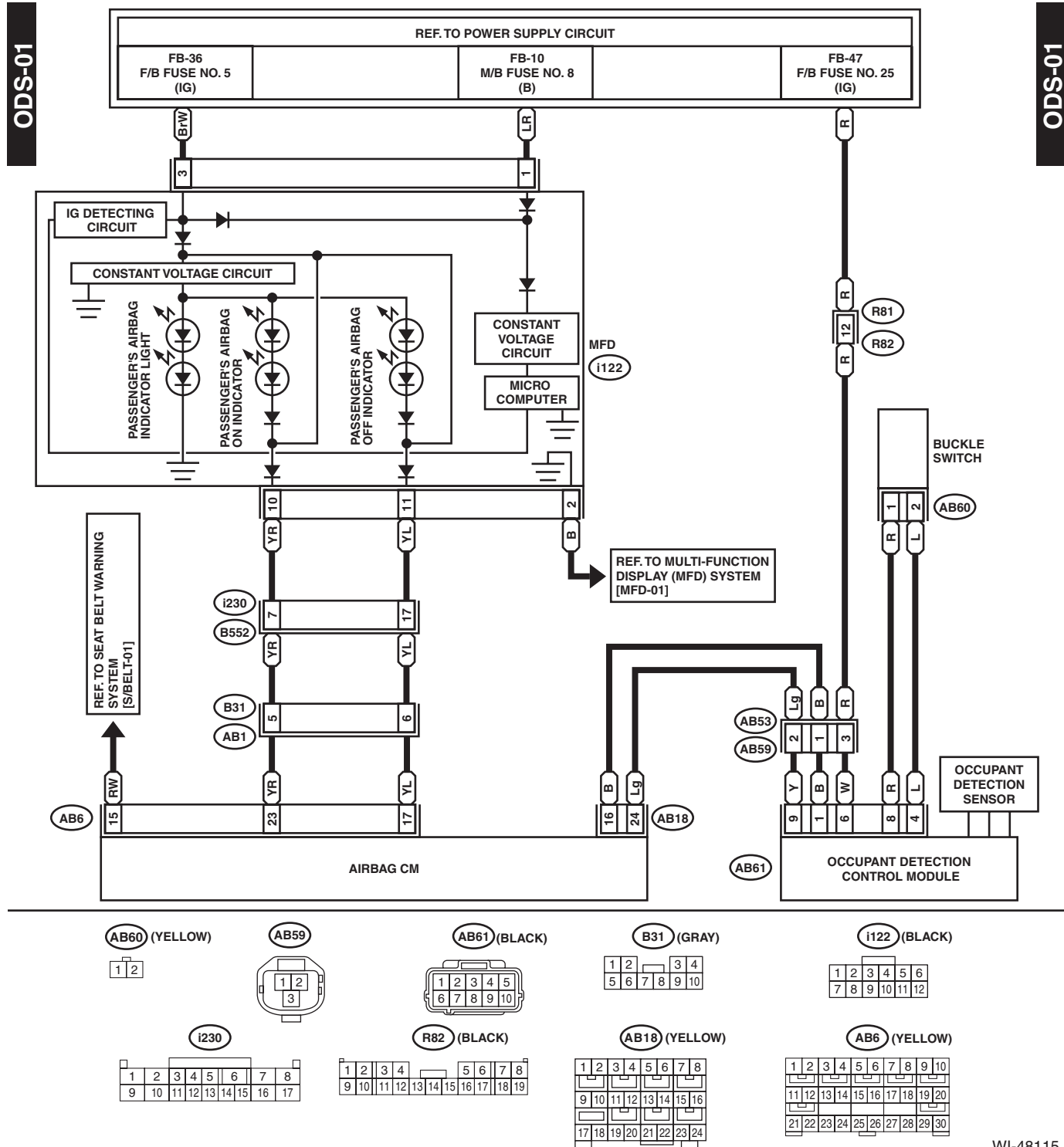


Occupant Detection System

WIRING SYSTEM

33. Occupant Detection System

A: WIRING DIAGRAM

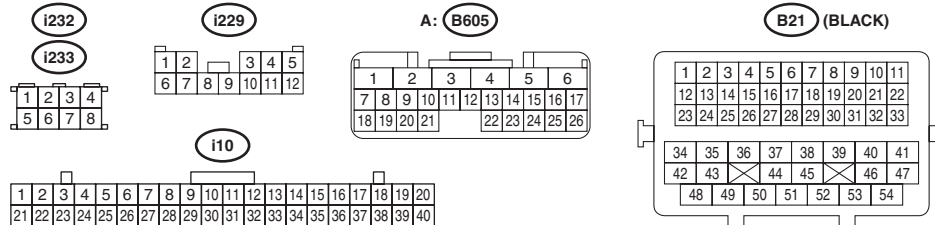
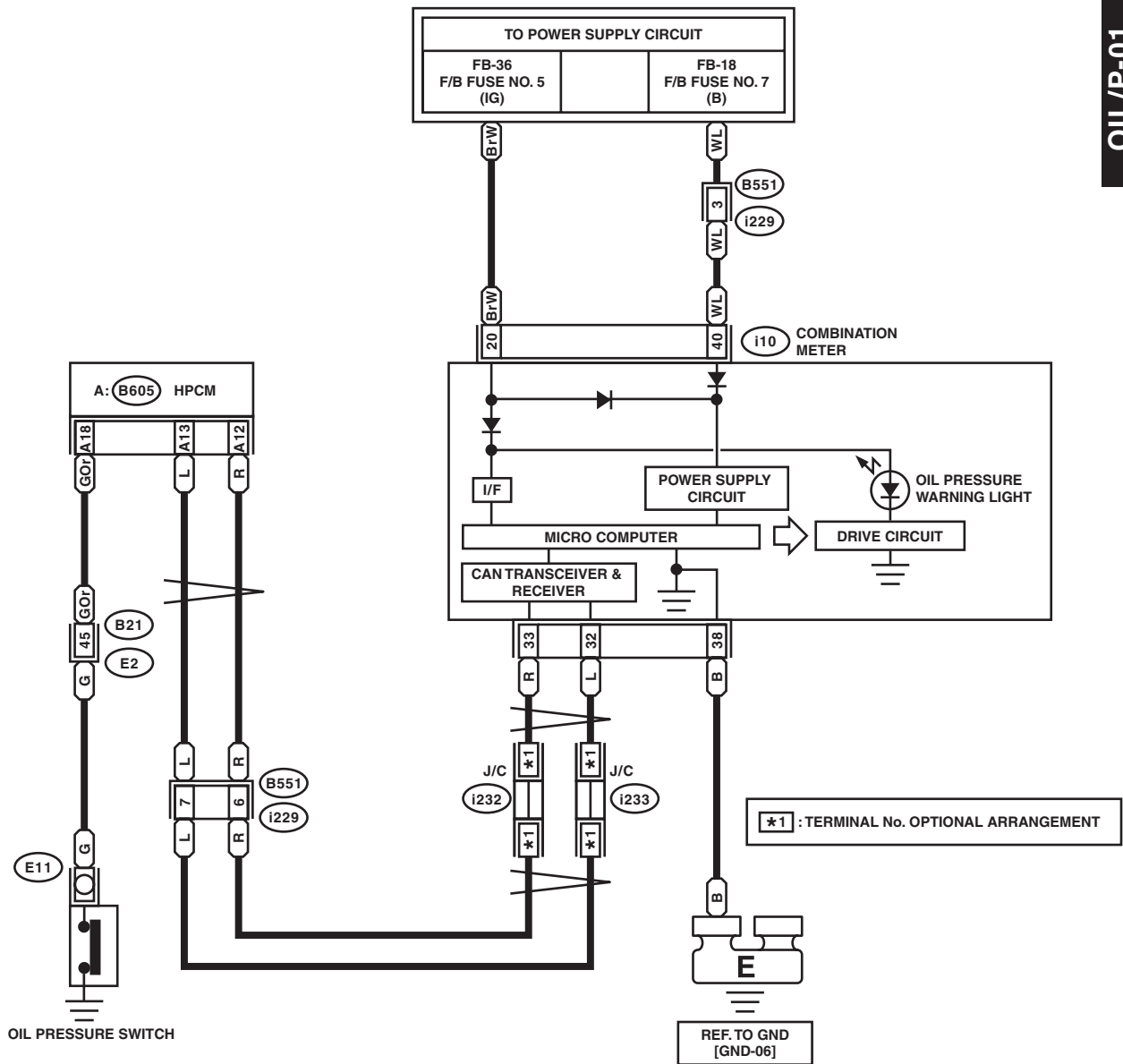


34.Oil Pressure Warning Light System

A: WIRING DIAGRAM

OIL/P-01

OIL/P-01



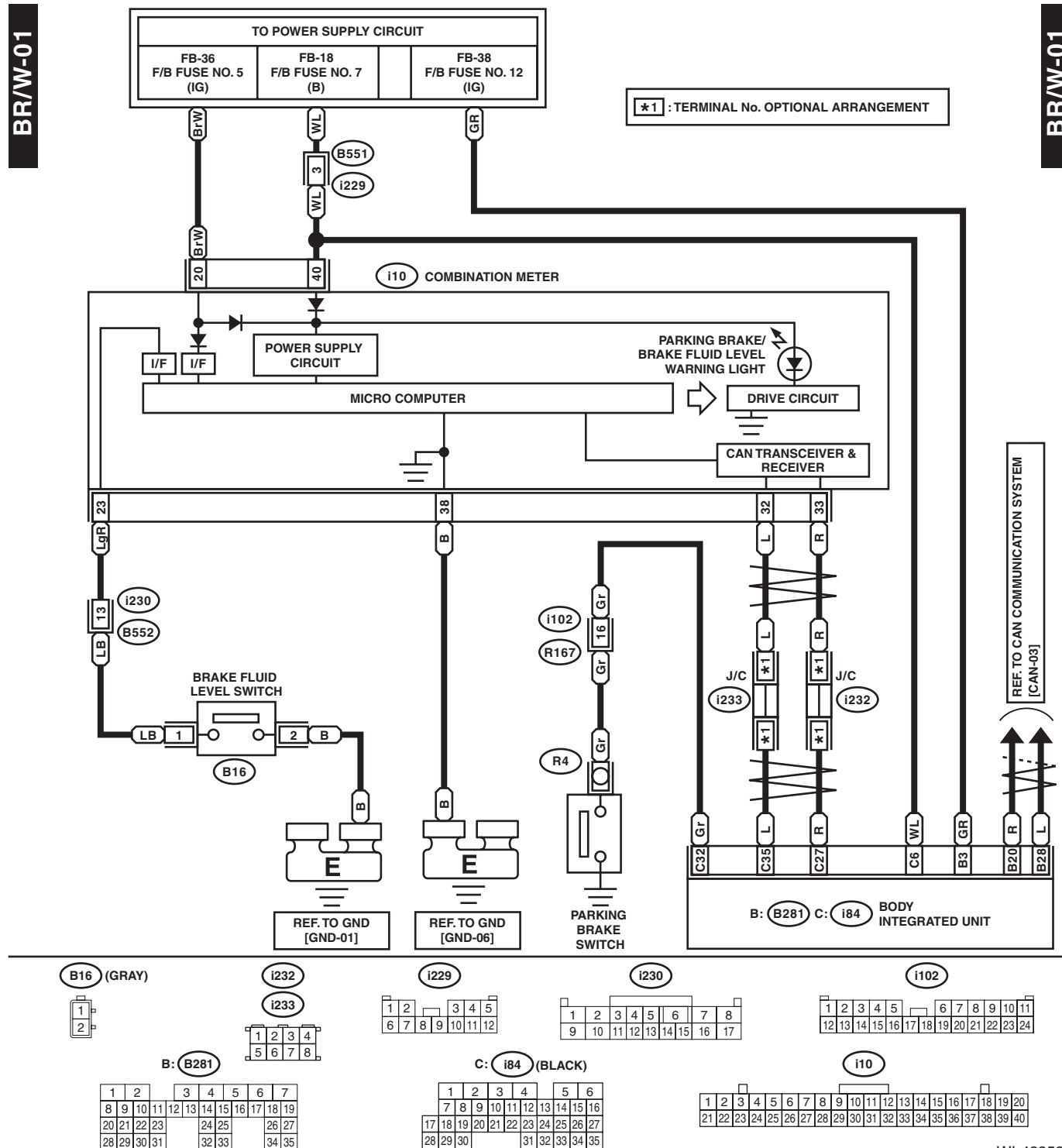
WI-42251

Parking Brake / Brake Fluid Level Warning Light System

WIRING SYSTEM

35. Parking Brake / Brake Fluid Level Warning Light System

A: WIRING DIAGRAM



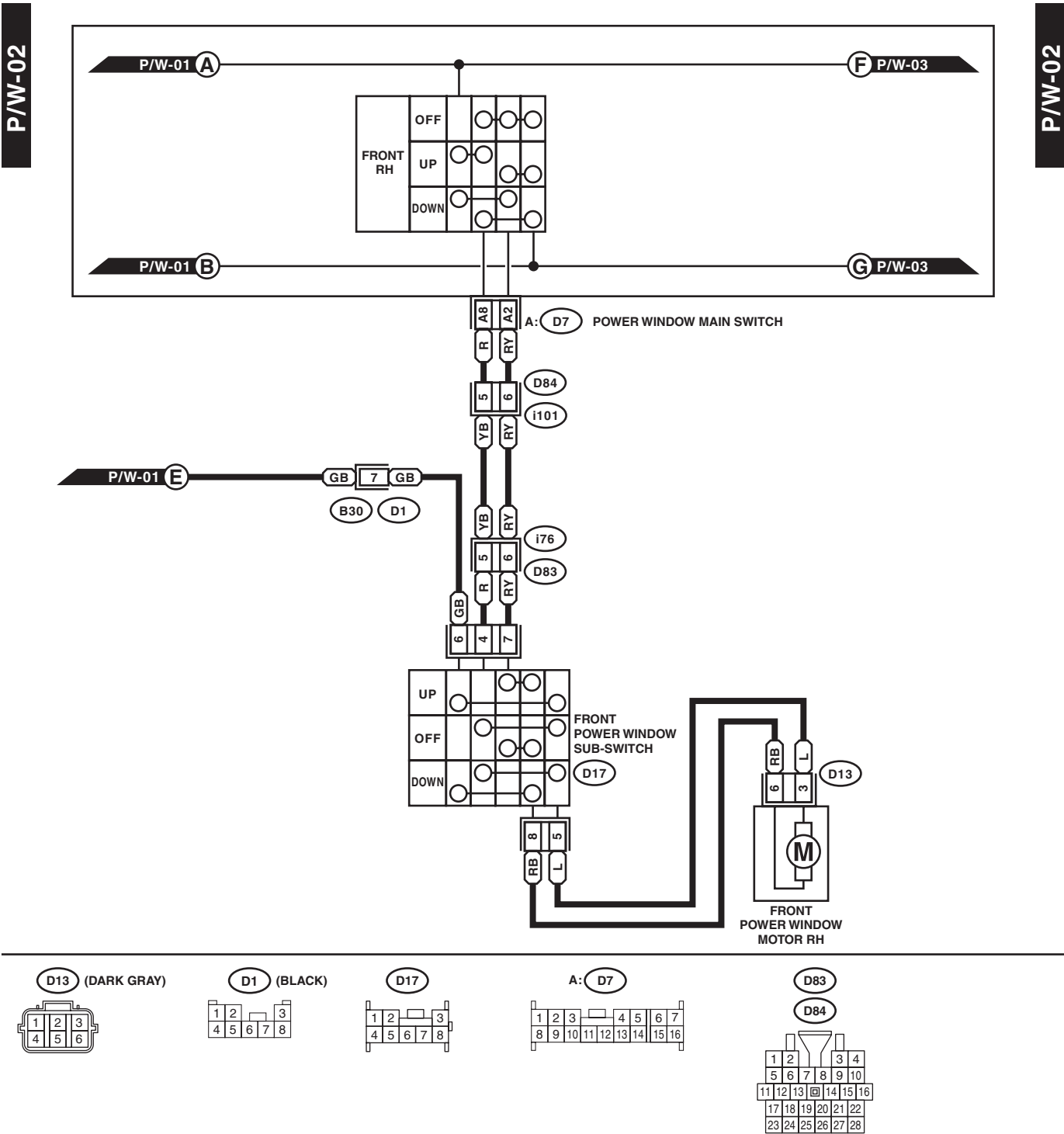
WI-42252

A: WIRING DIAGRAM



Power Window System

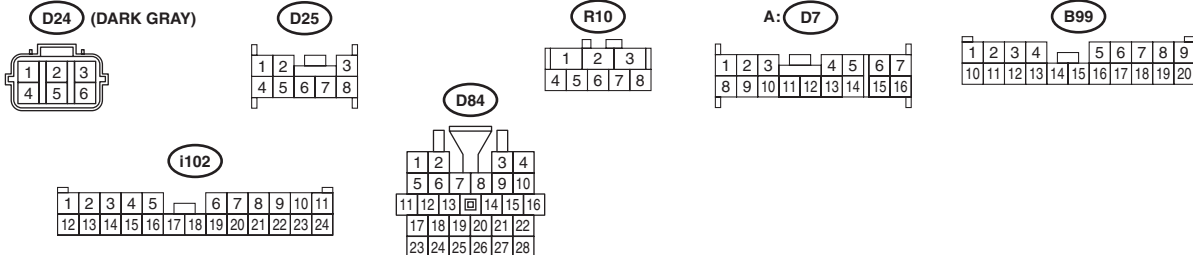
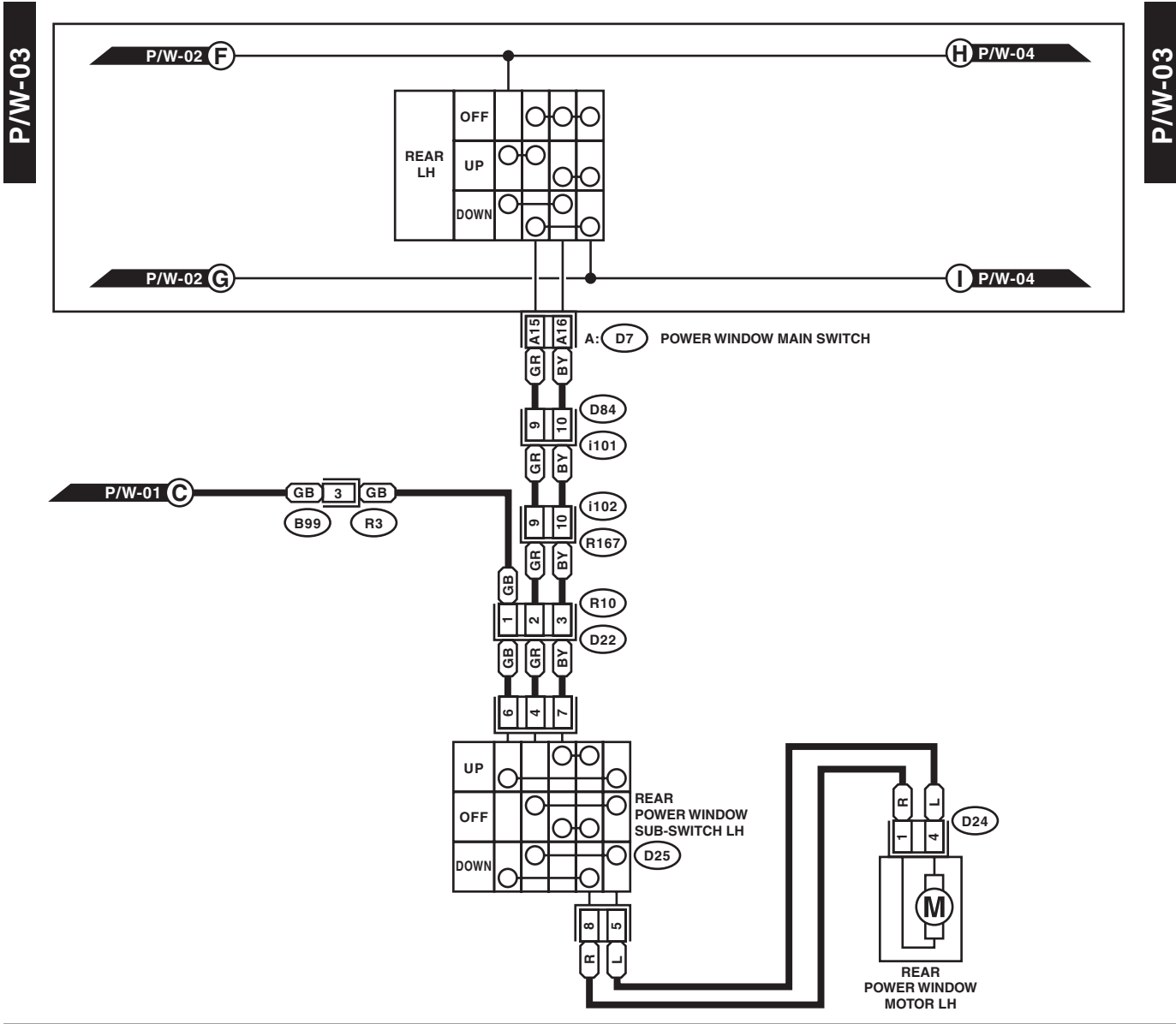
WIRING SYSTEM



WI-48719

Power Window System

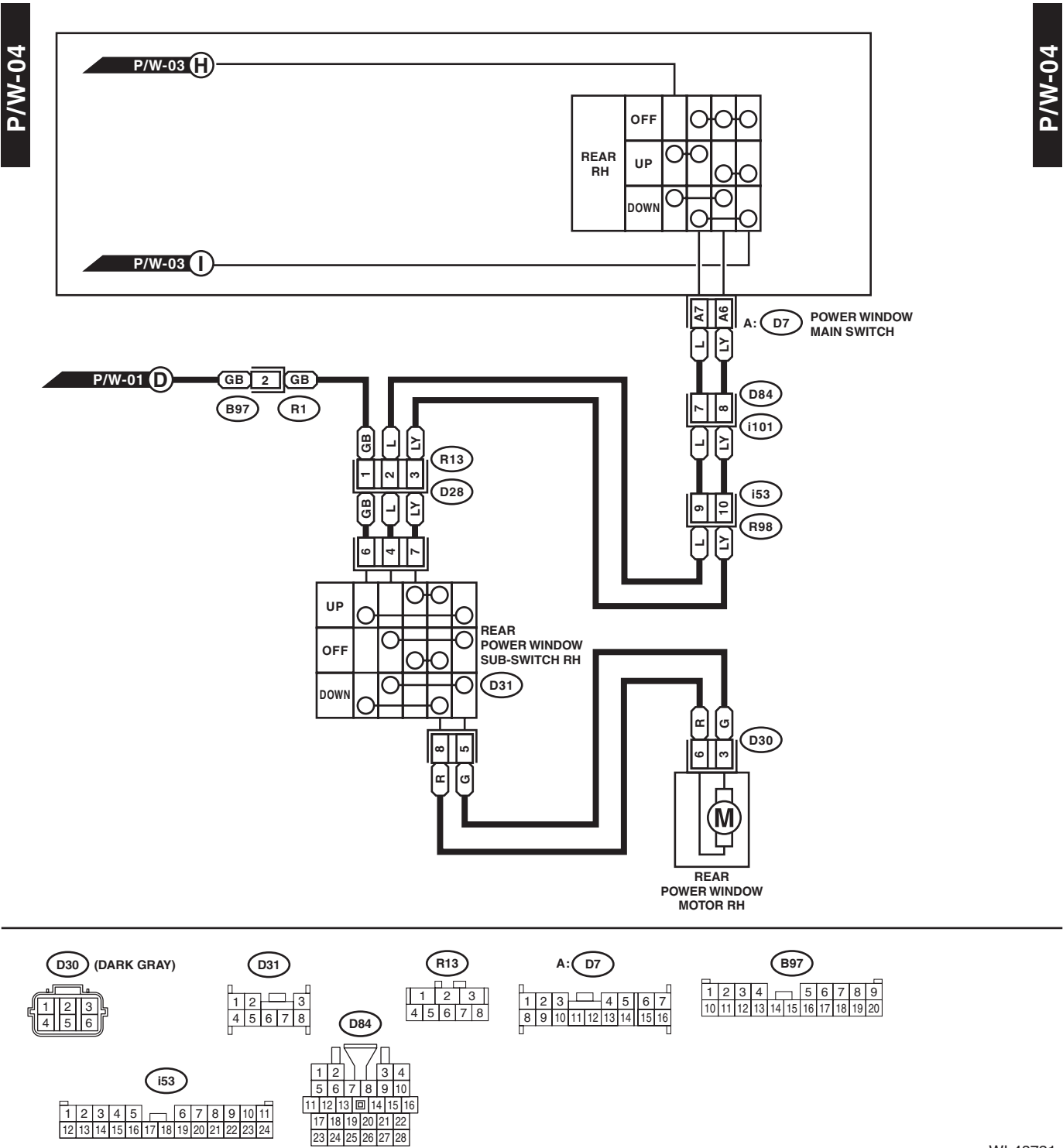
WIRING SYSTEM



WI-48720

Power Window System

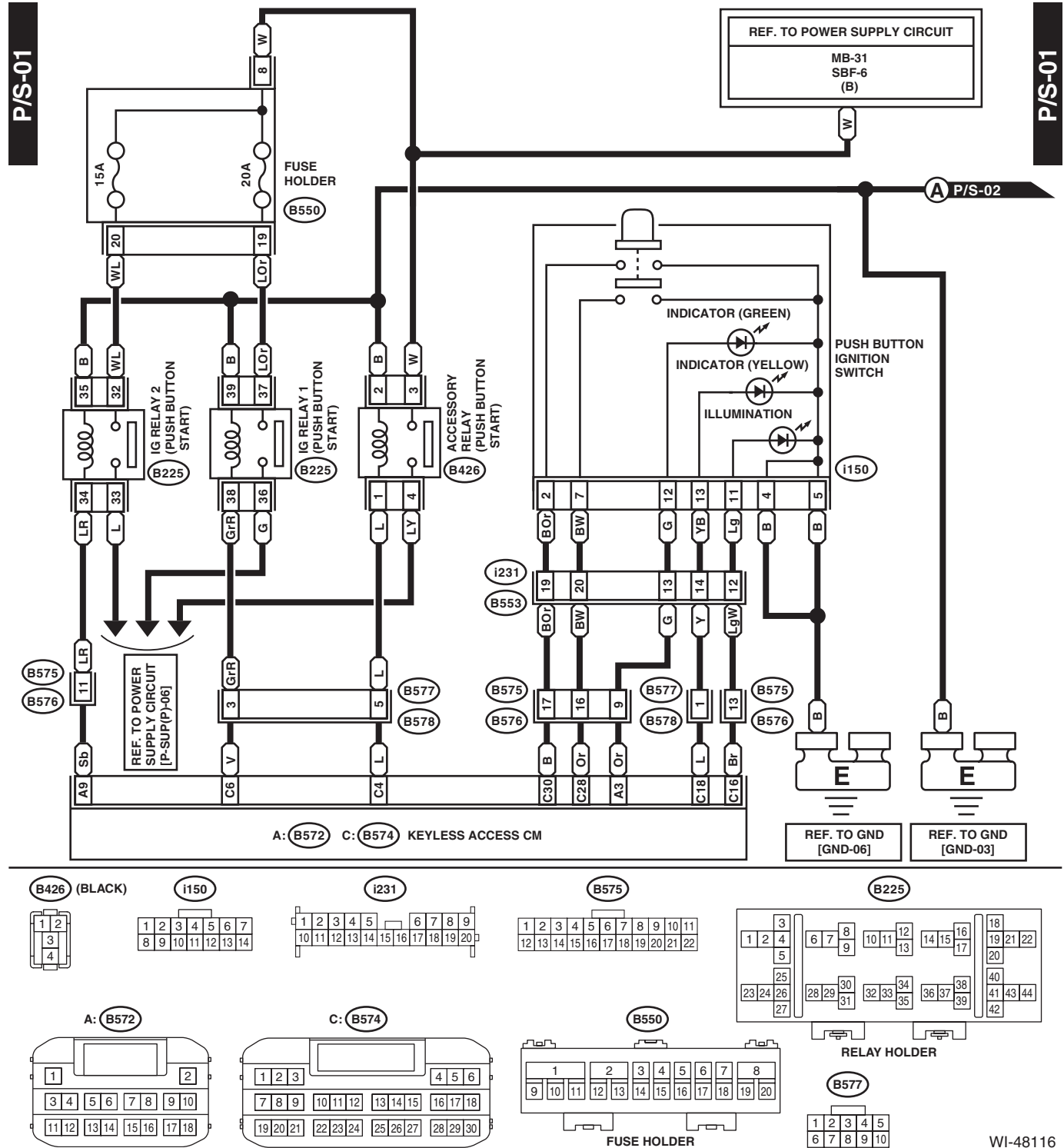
WIRING SYSTEM



WI-48721

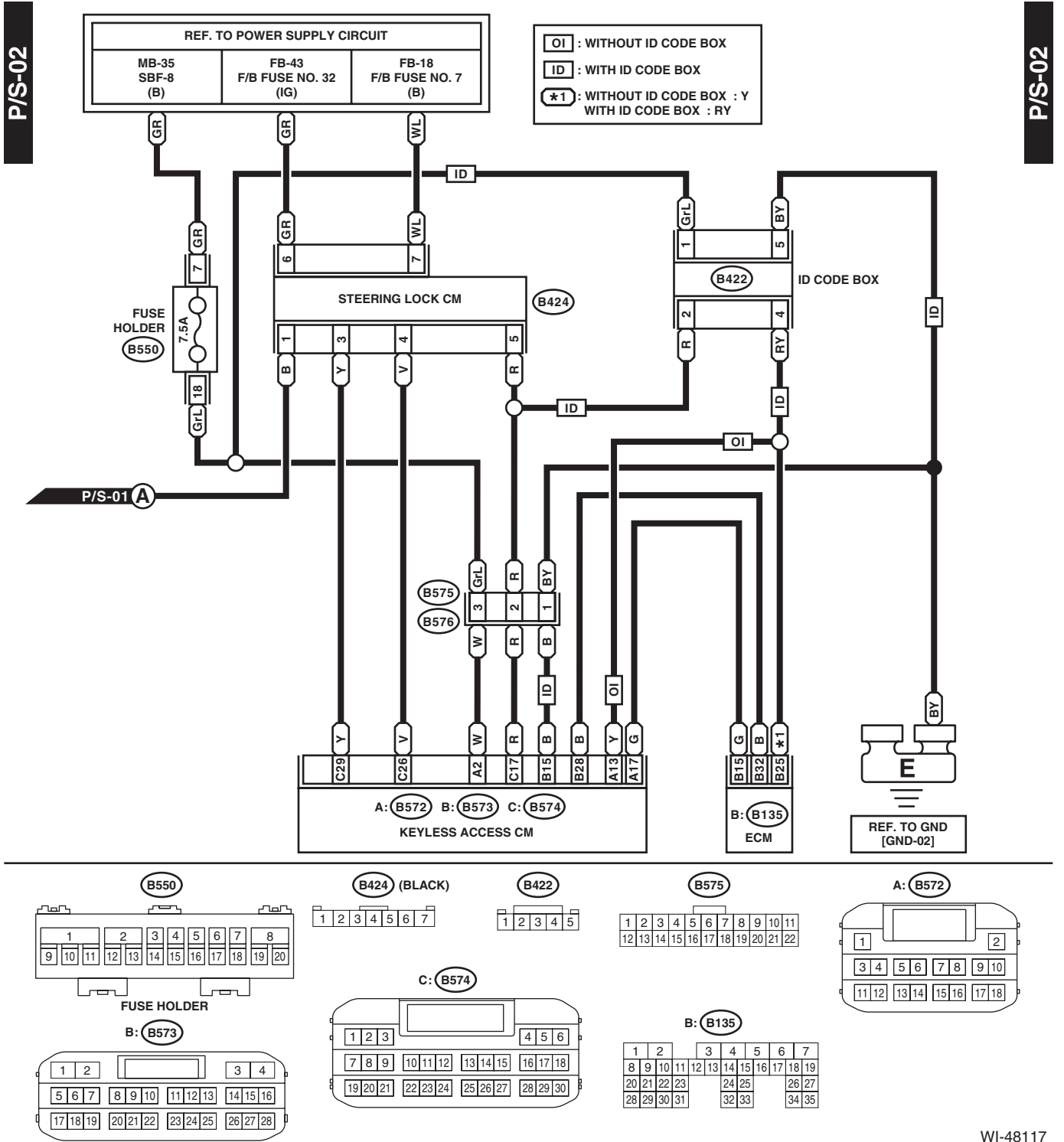
37. Push Button Start System

A: WIRING DIAGRAM



Push Button Start System

WIRING SYSTEM



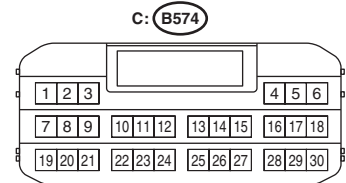
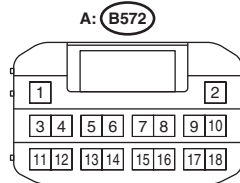
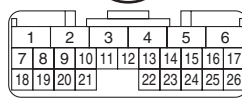
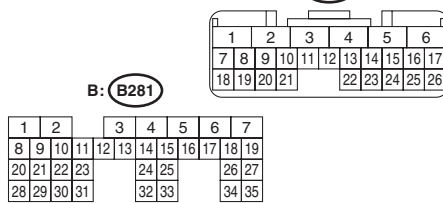
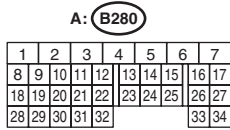
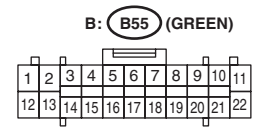
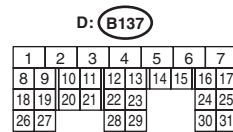
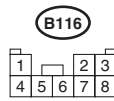
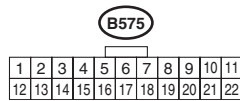
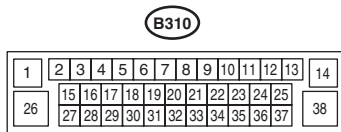
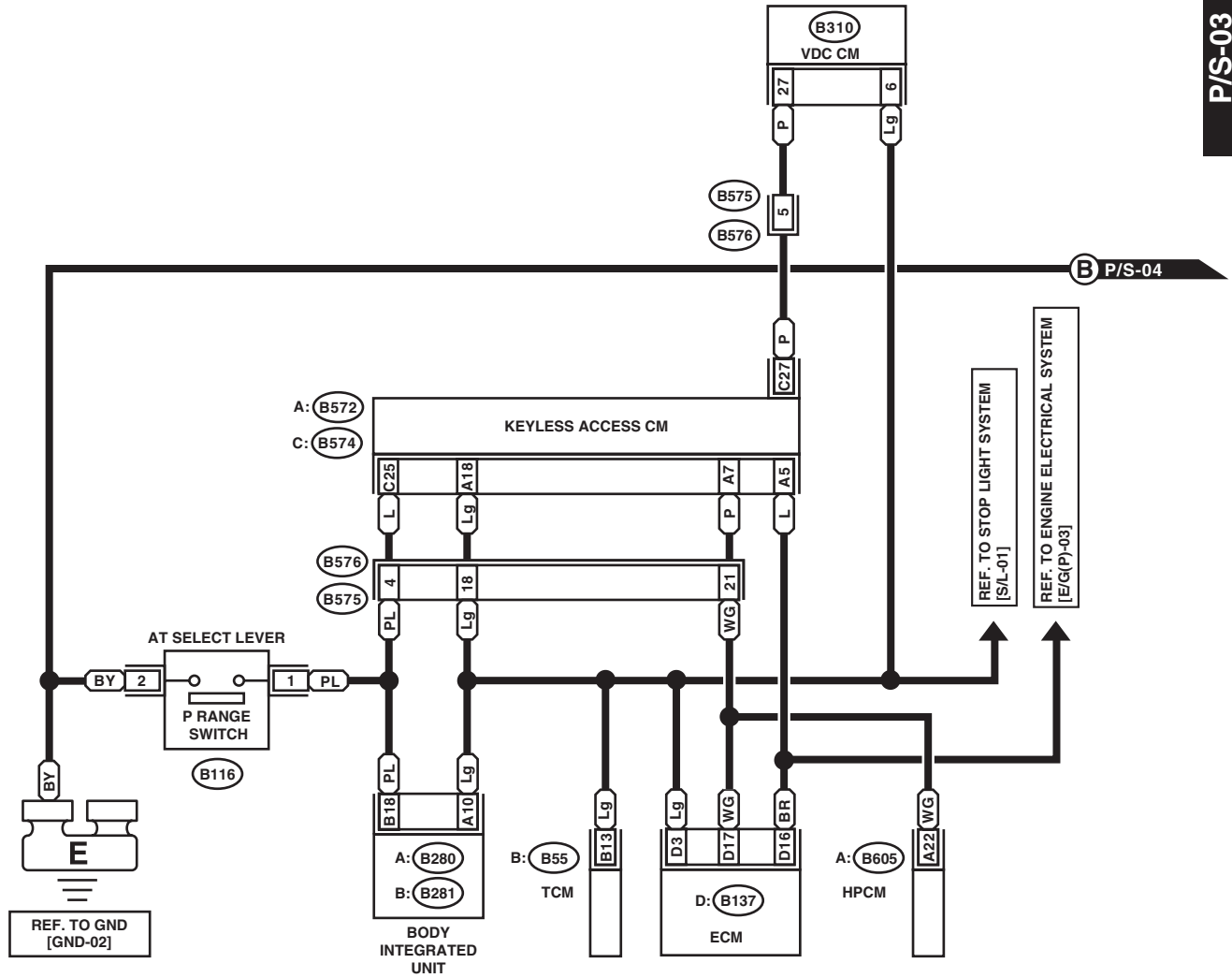
WI-48117

Push Button Start System

WIRING SYSTEM

P/S-03

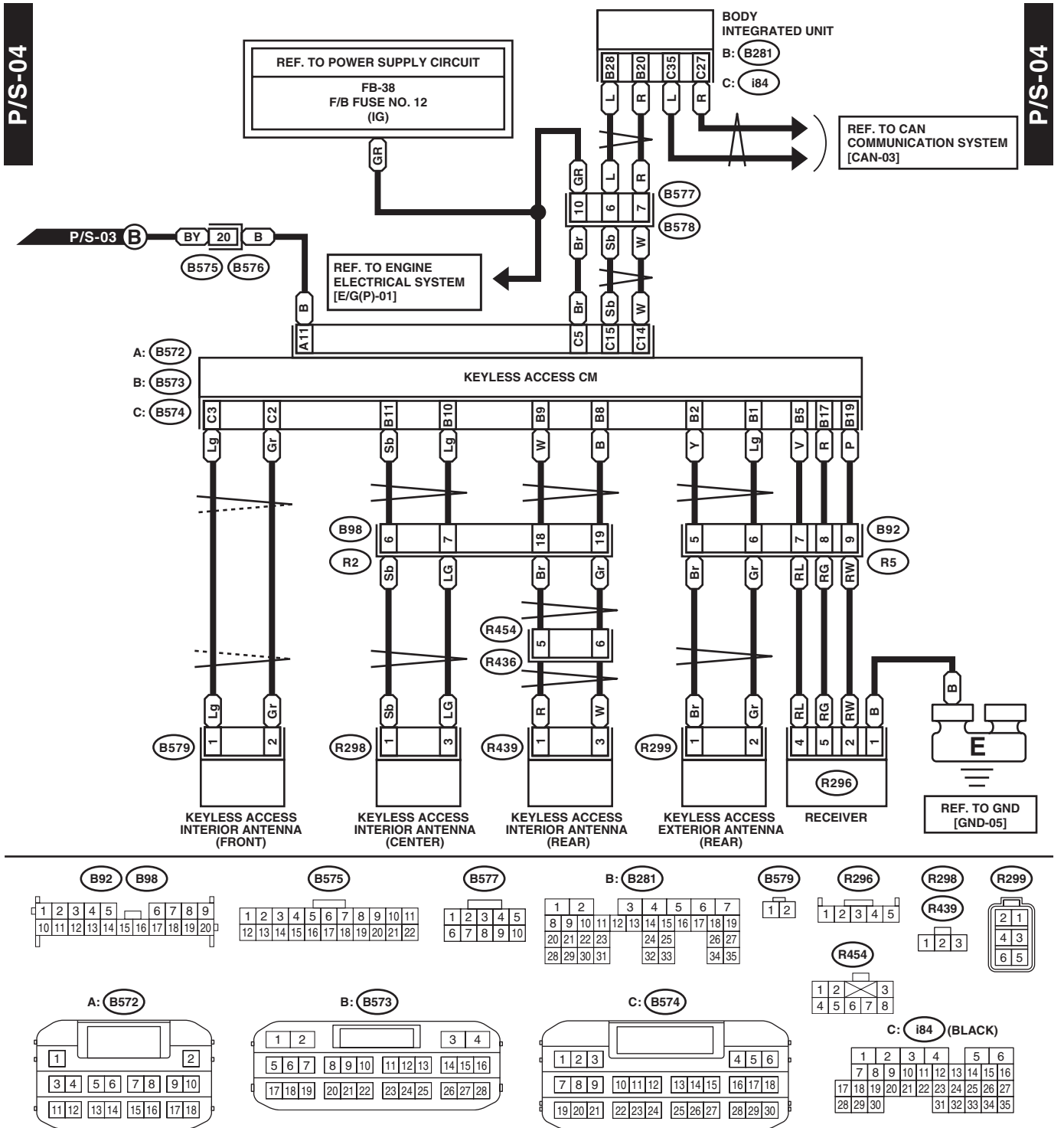
P/S-03



WI-48118

Push Button Start System

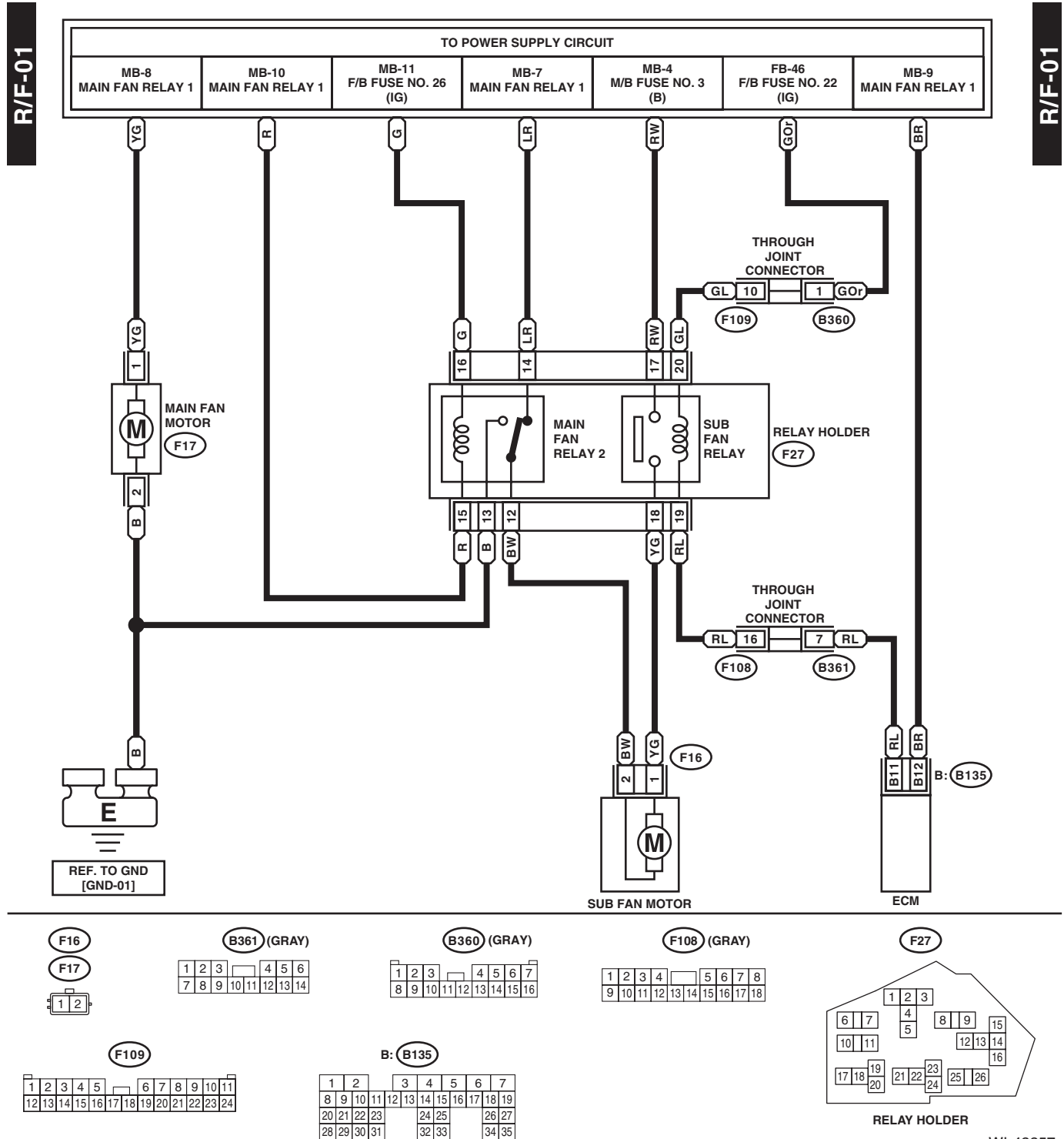
WIRING SYSTEM



WI-48119

38.Radiator Fan System

A: WIRING DIAGRAM

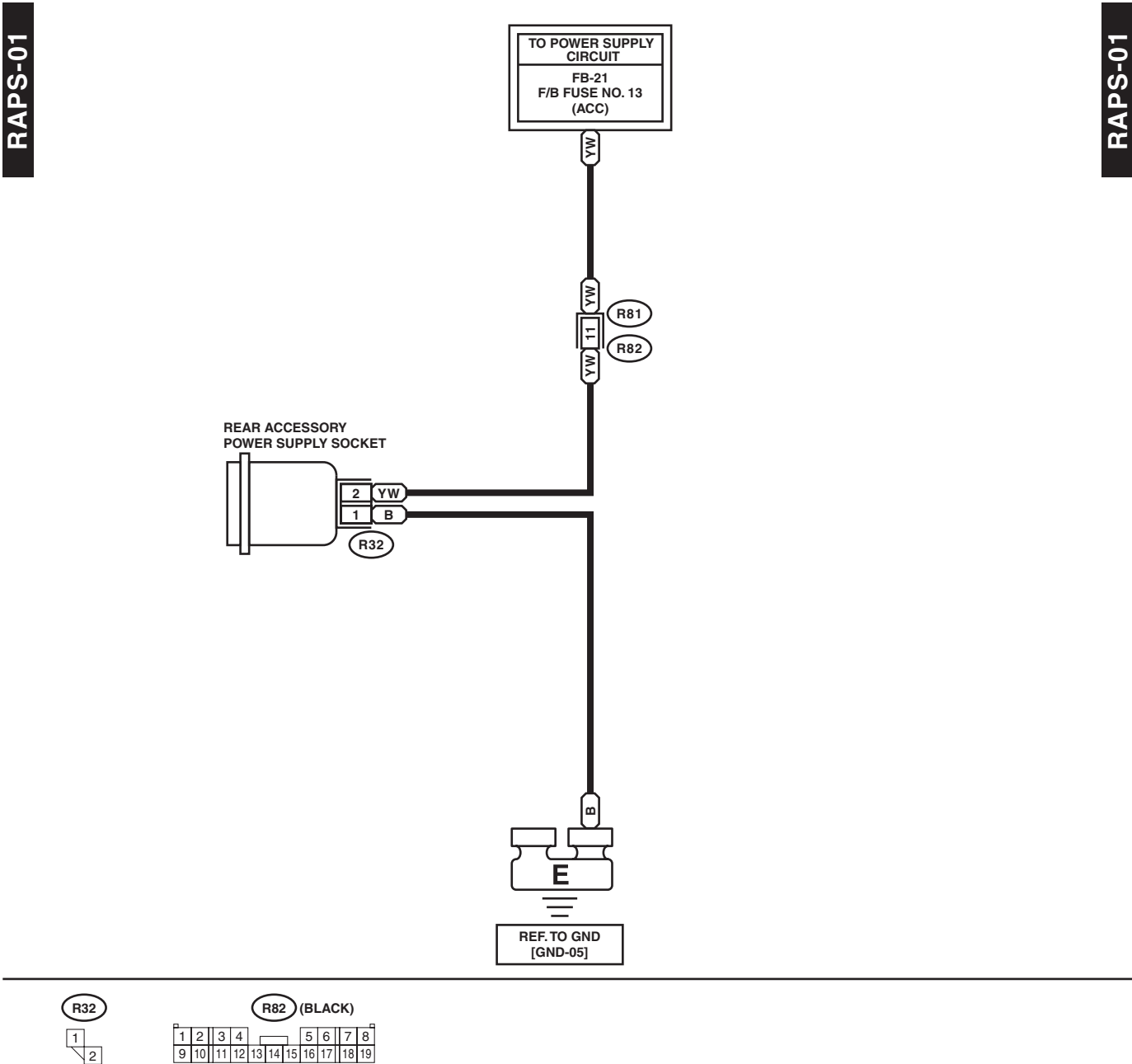


Rear Accessory Power Supply Socket System

WIRING SYSTEM

39.Rear Accessory Power Supply Socket System

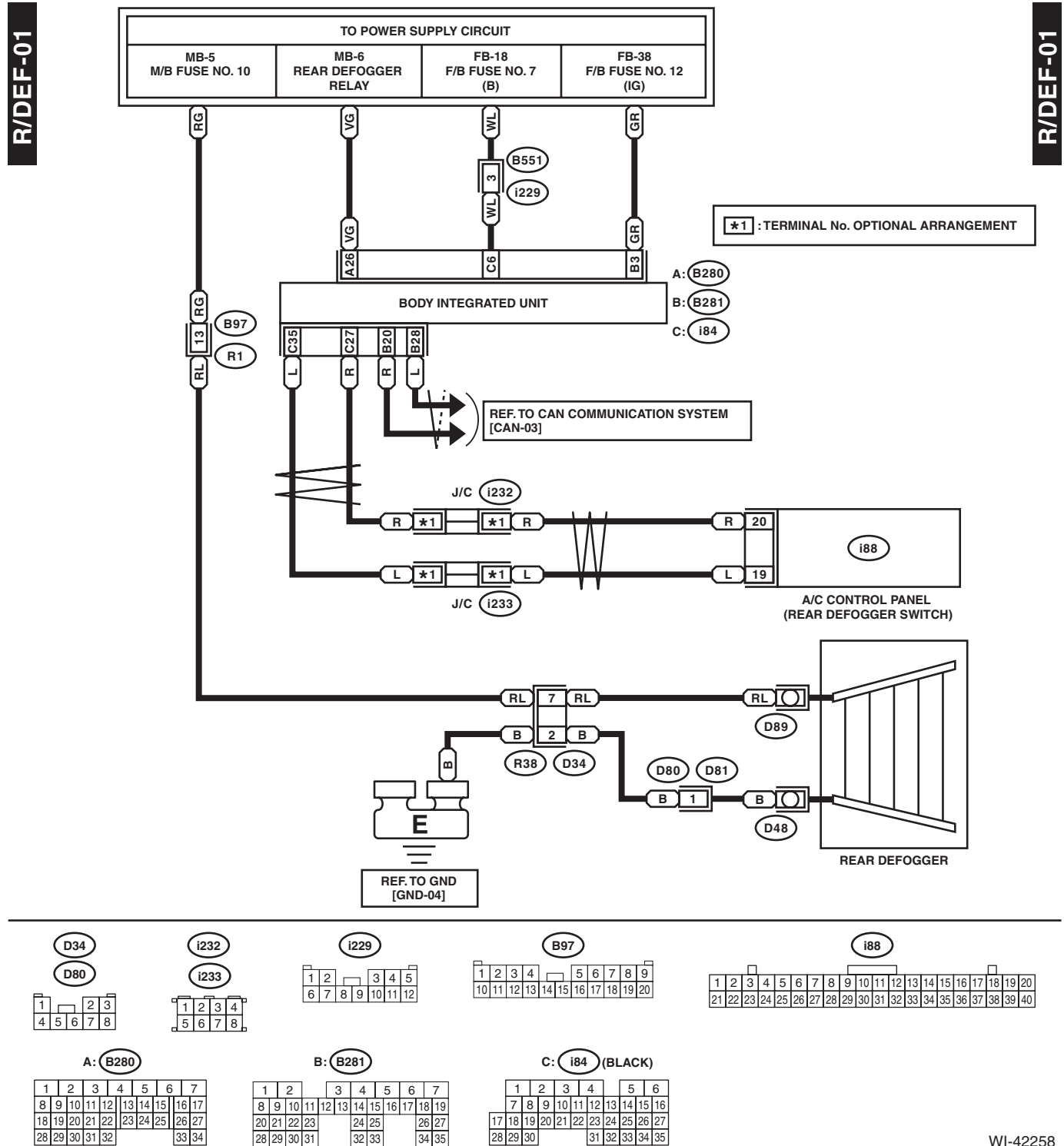
A: WIRING DIAGRAM



WI-34237

40.Rear Defogger System

A: WIRING DIAGRAM



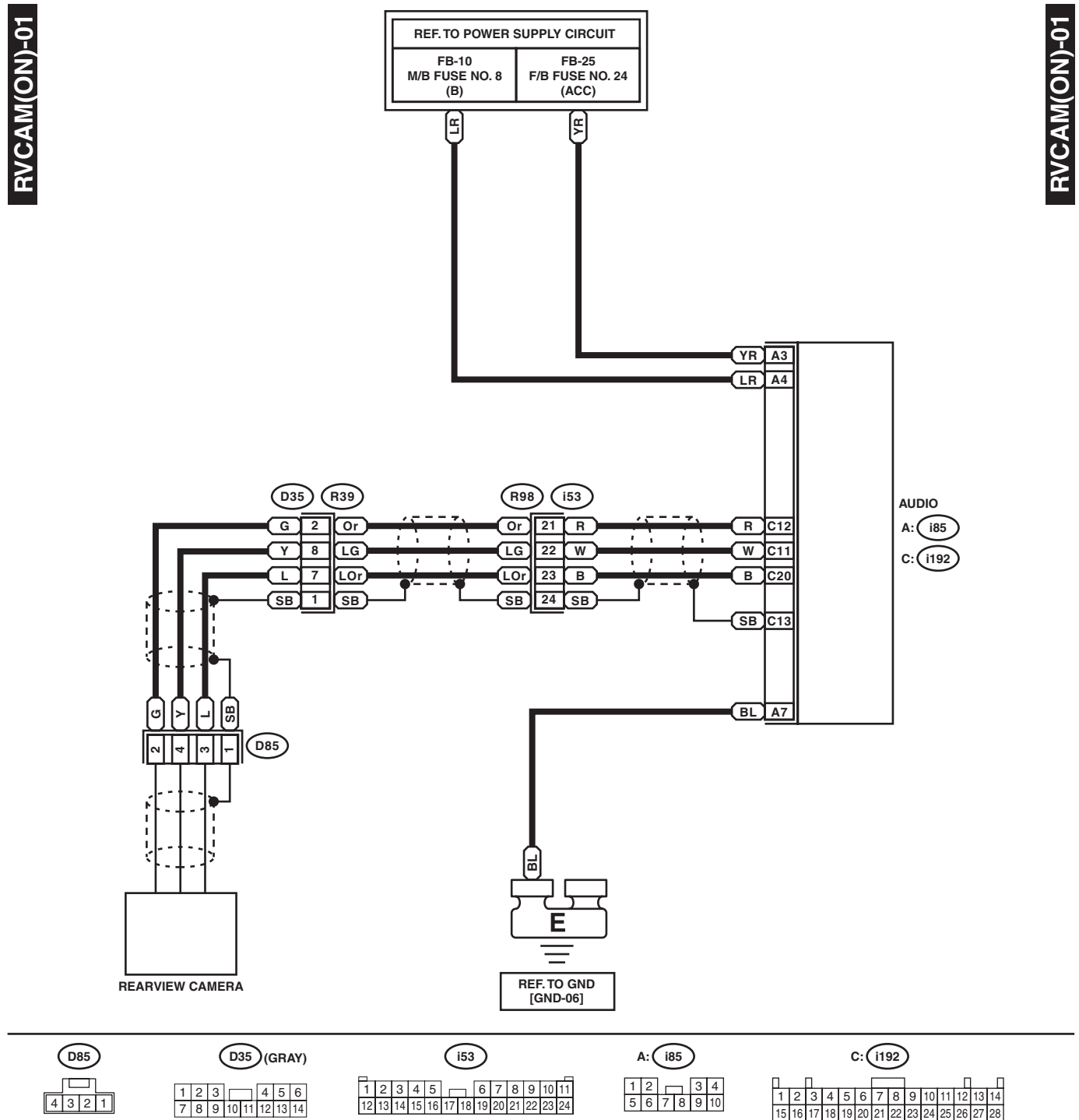
Rearview Camera System

WIRING SYSTEM

41.Rearview Camera System

A: WIRING DIAGRAM

1. MODELS WITHOUT NAVIGATION SYSTEM

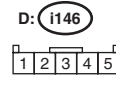
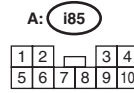
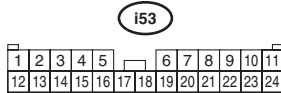
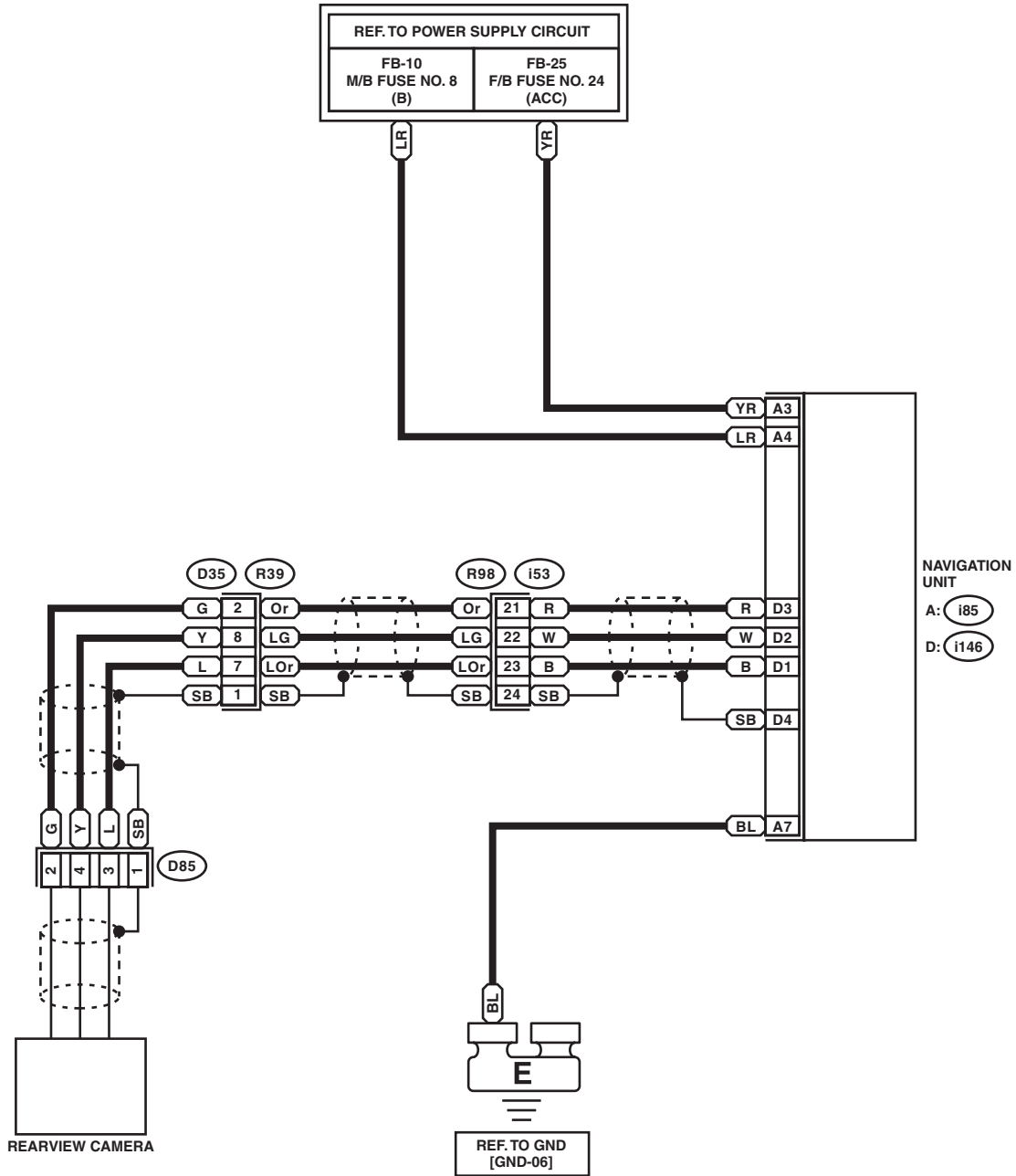


WI-48120

2. MODELS WITH NAVIGATION SYSTEM

RVCAM(WN)-01

RVCAM(WN)-01

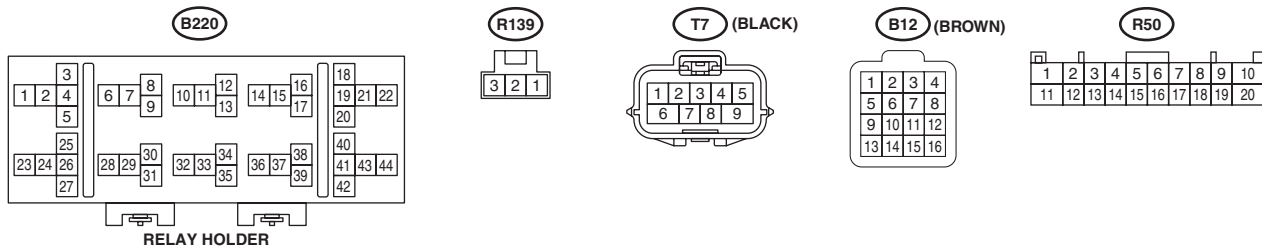
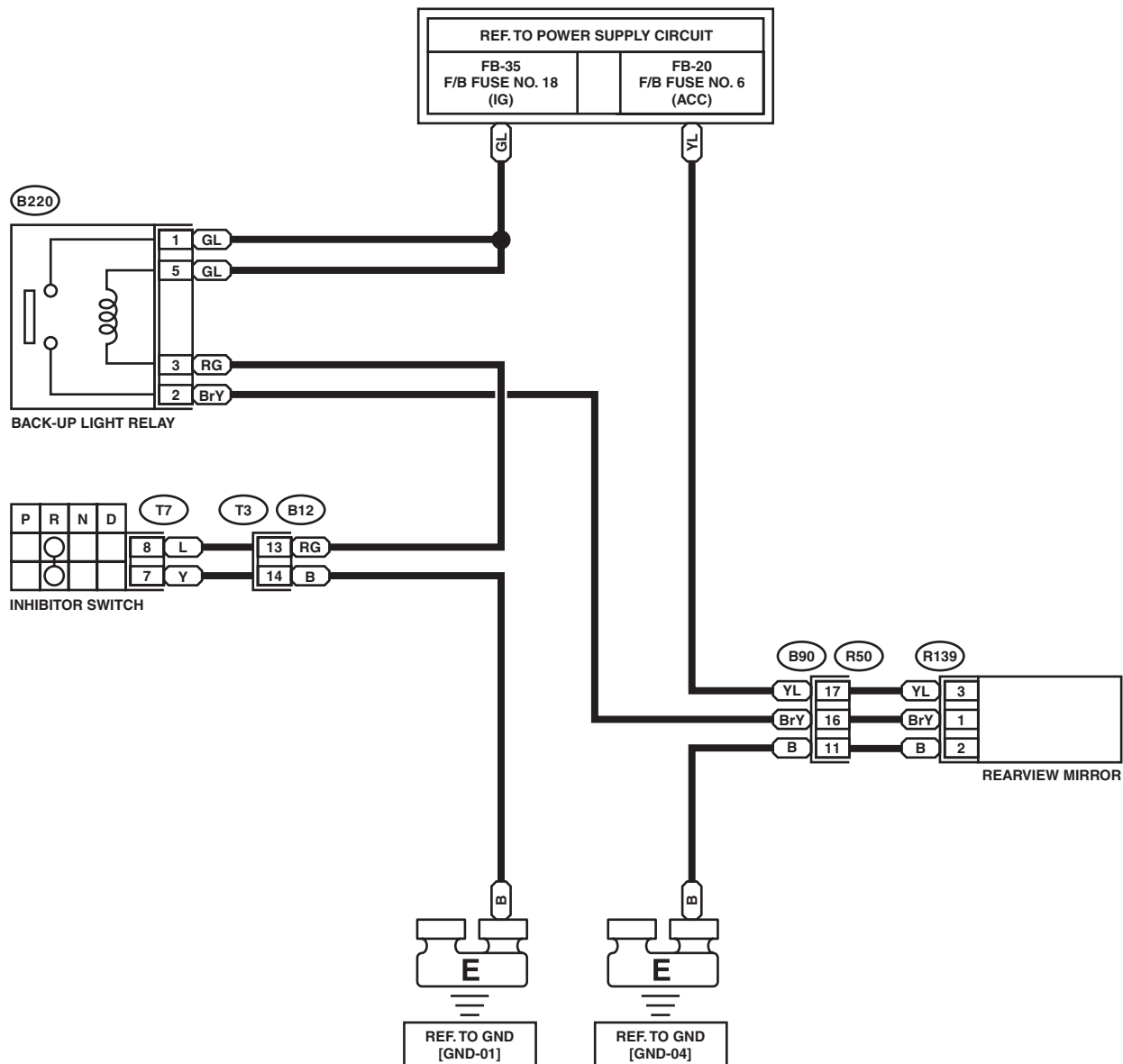


WI-48121

A: WIRING DIAGRAM

RVM-01

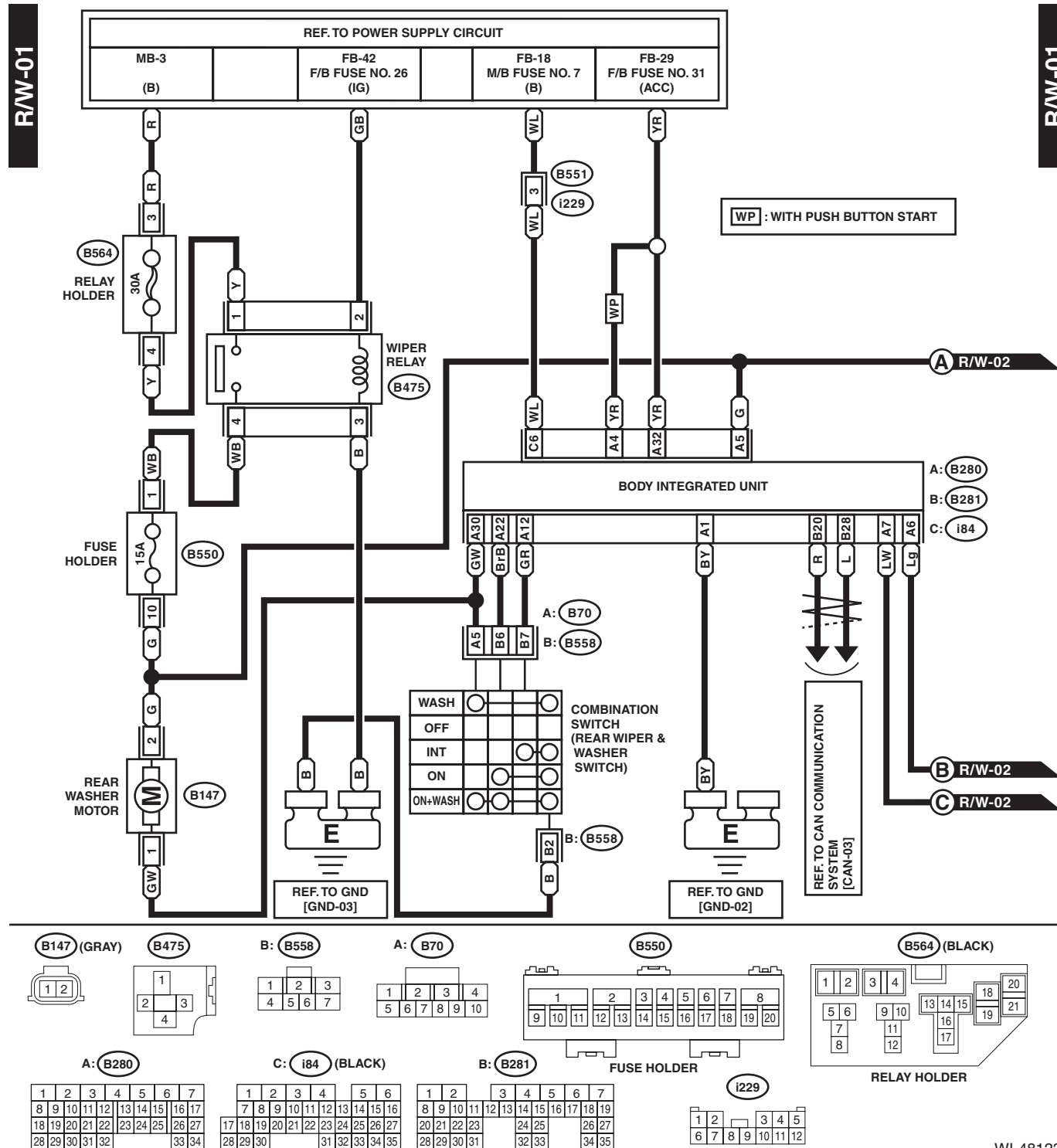
RVM-01



WI-48122

43.Rear Wiper and Washer System

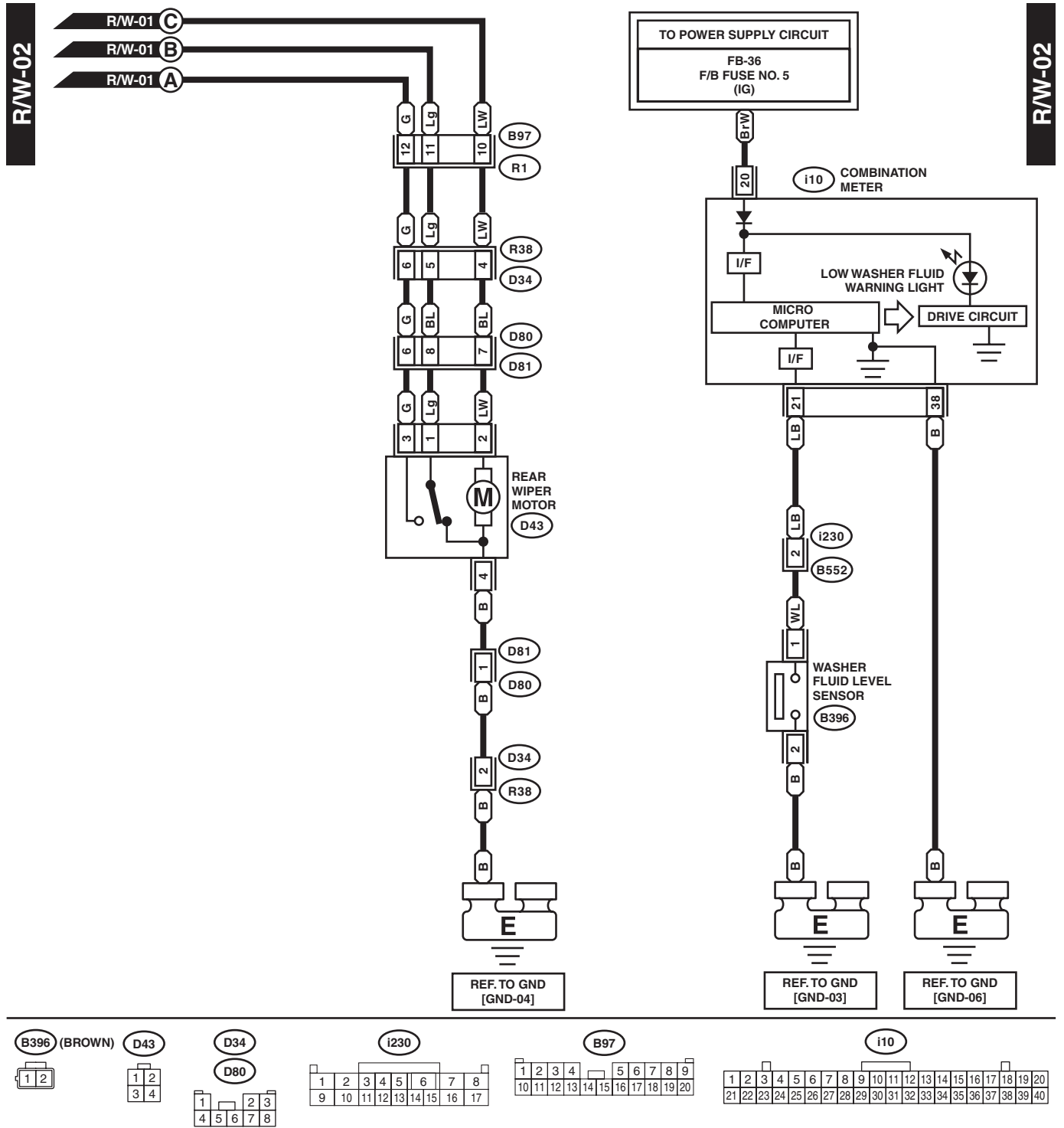
A: WIRING DIAGRAM



WI-48123

Rear Wiper and Washer System

WIRING SYSTEM

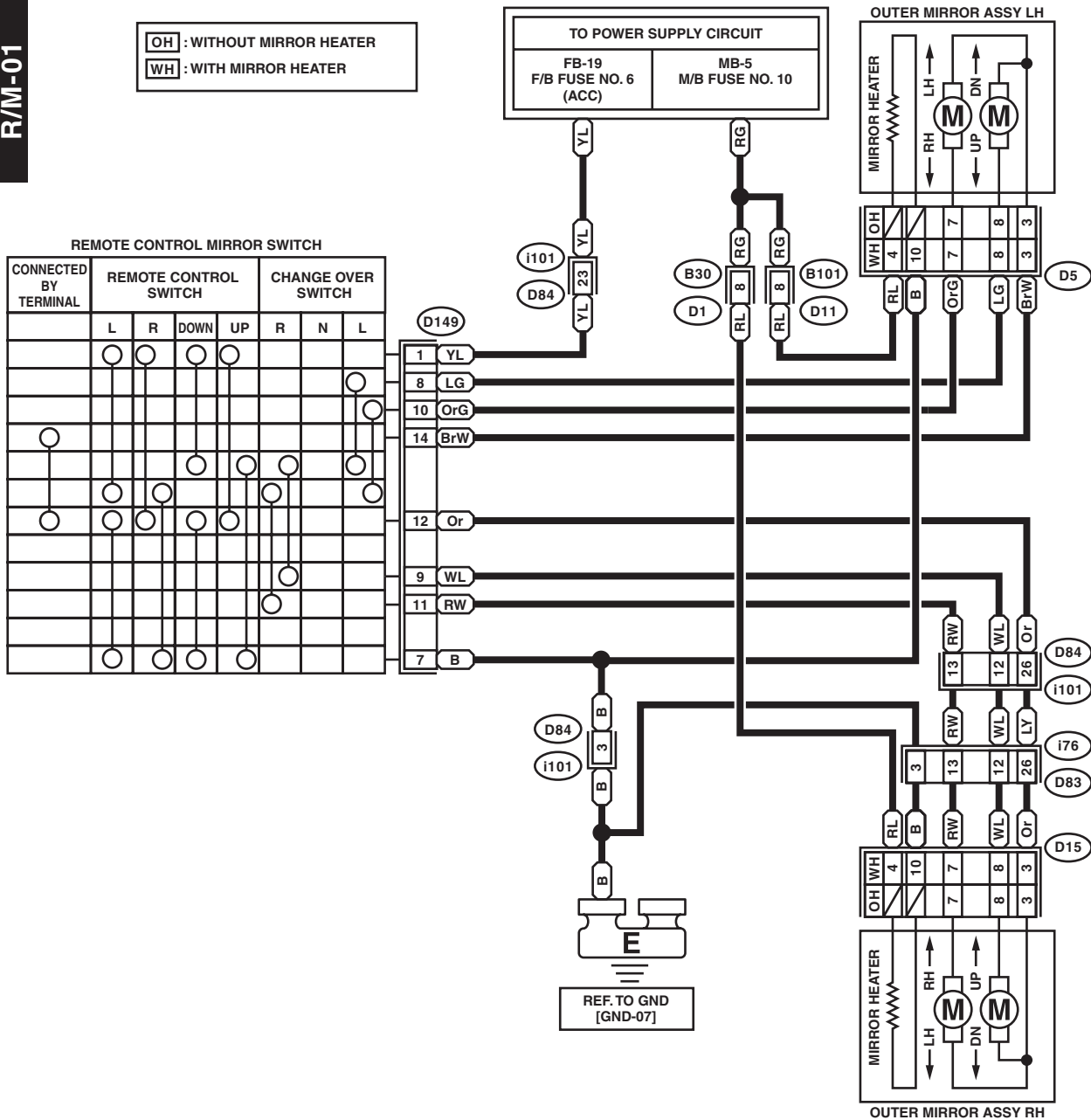


WI-42262

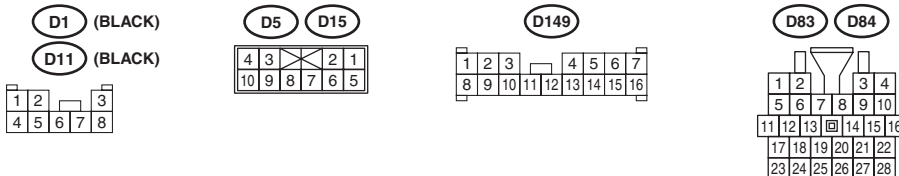
A: WIRING DIAGRAM

R/M-01

OH : WITHOUT MIRROR HEATER
WH : WITH MIRROR HEATER



R/M-01



WI-37860

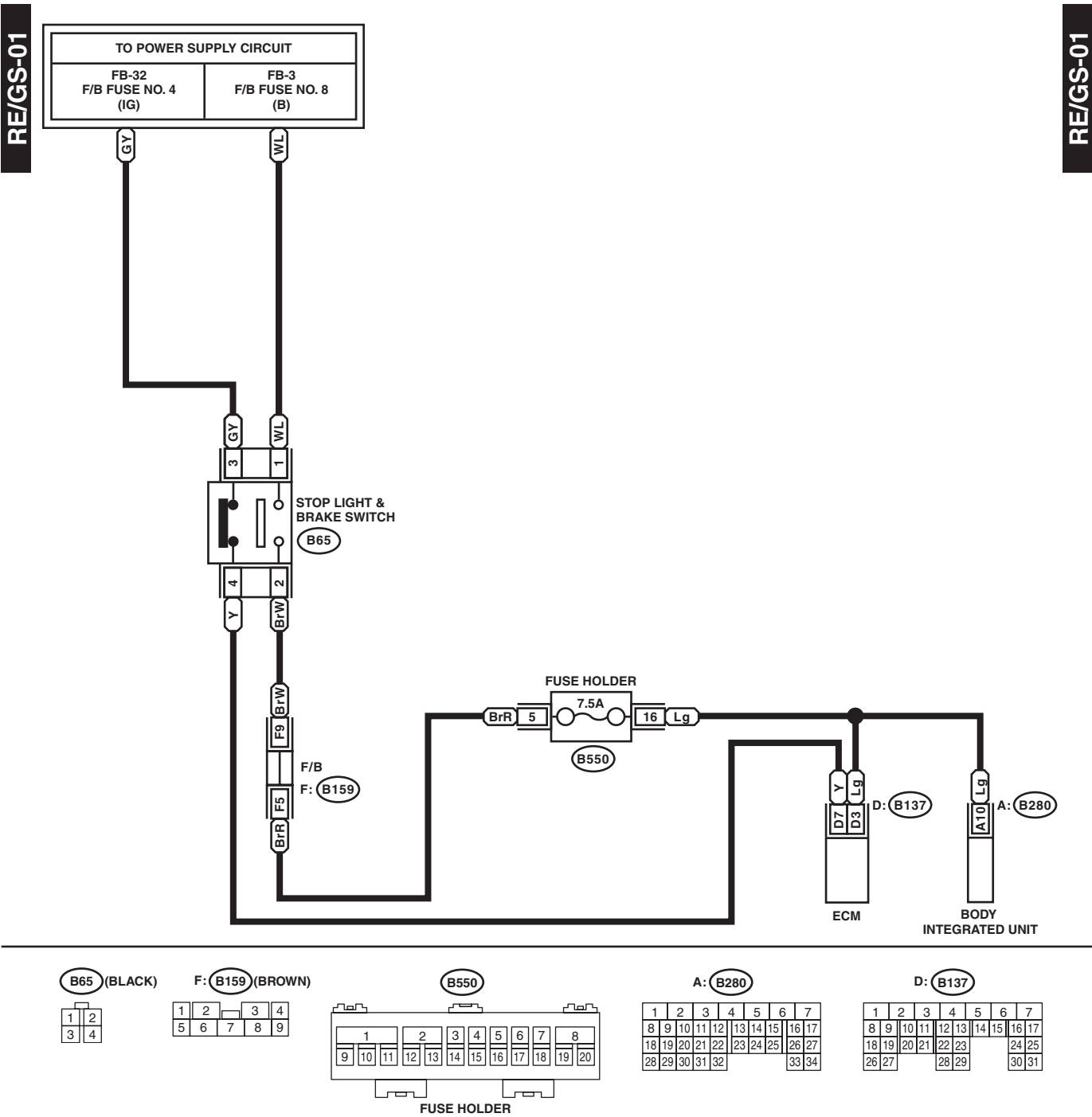
Remote Engine Start System

WIRING SYSTEM

45.Remote Engine Start System

A: WIRING DIAGRAM

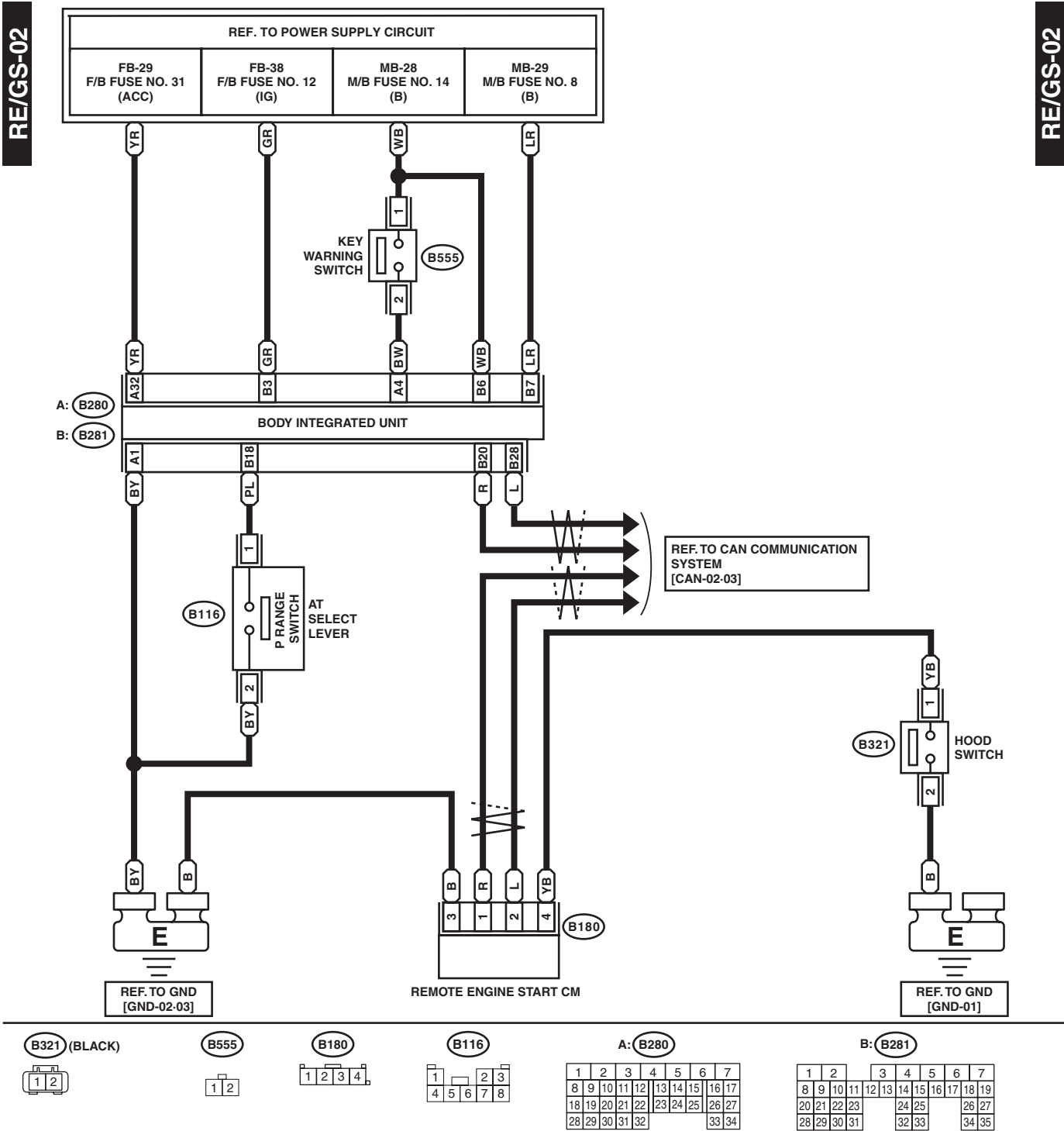
1. WITHOUT PUSH BUTTON START



WI-42263

Remote Engine Start System

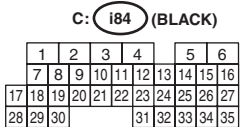
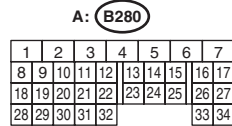
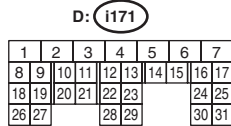
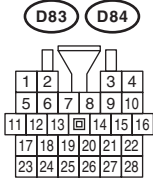
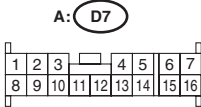
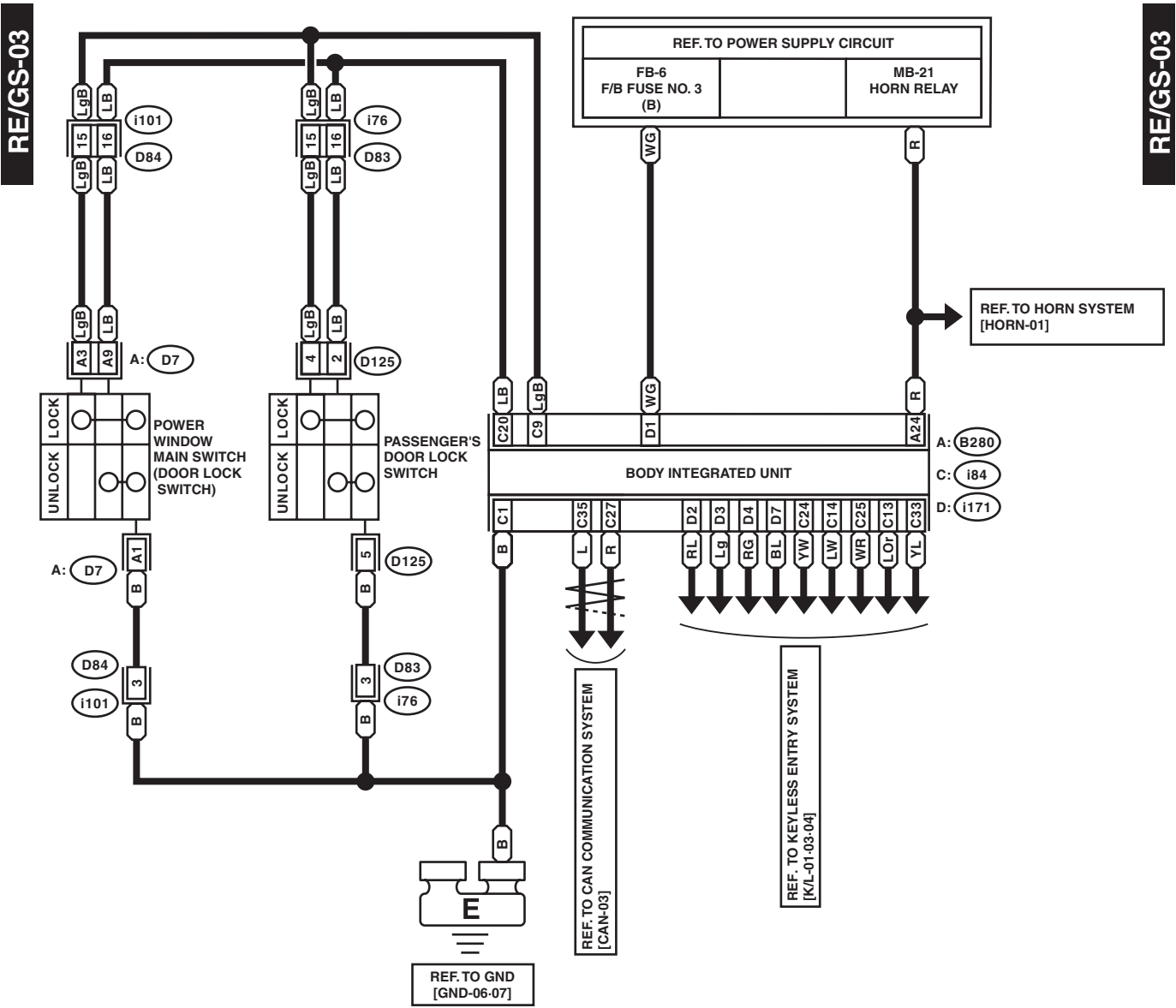
WIRING SYSTEM



WI-48124

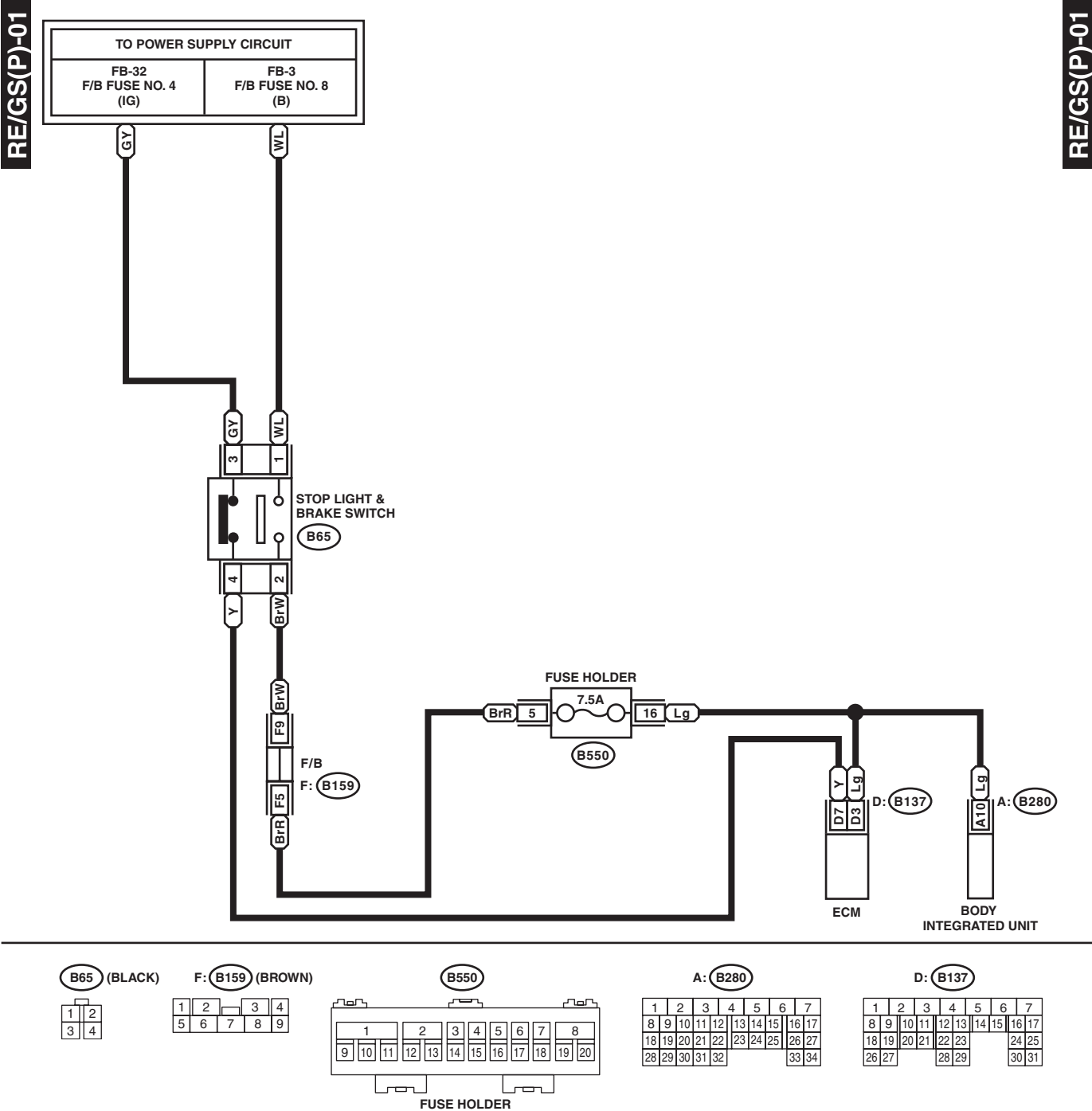
Remote Engine Start System

WIRING SYSTEM



WI-48125

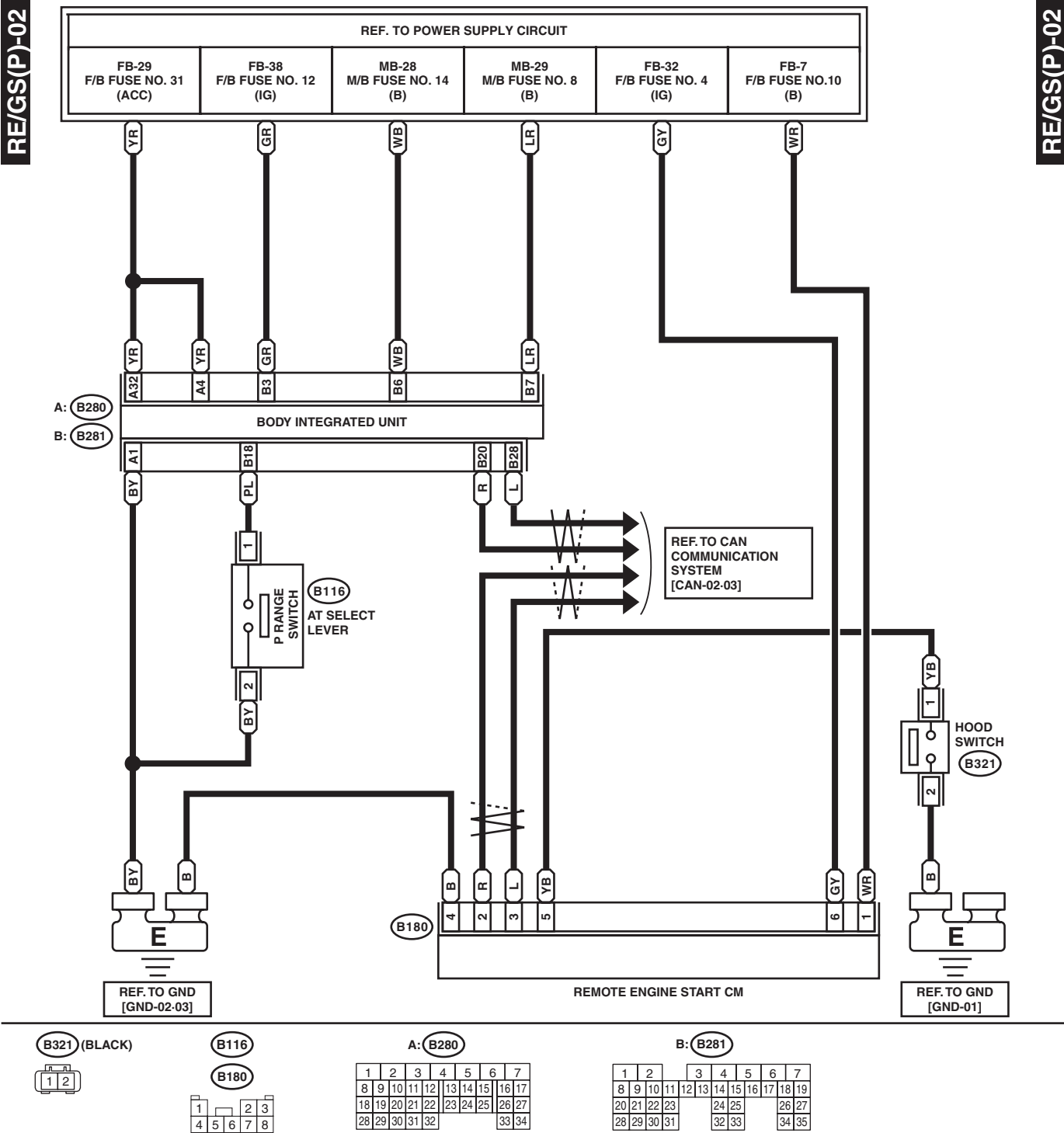
2. WITH PUSH BUTTON START



WI-42266

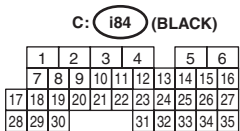
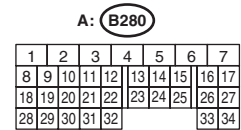
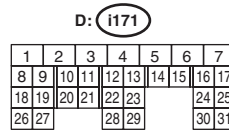
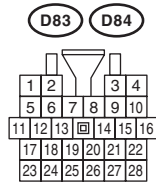
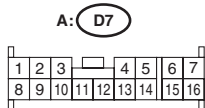
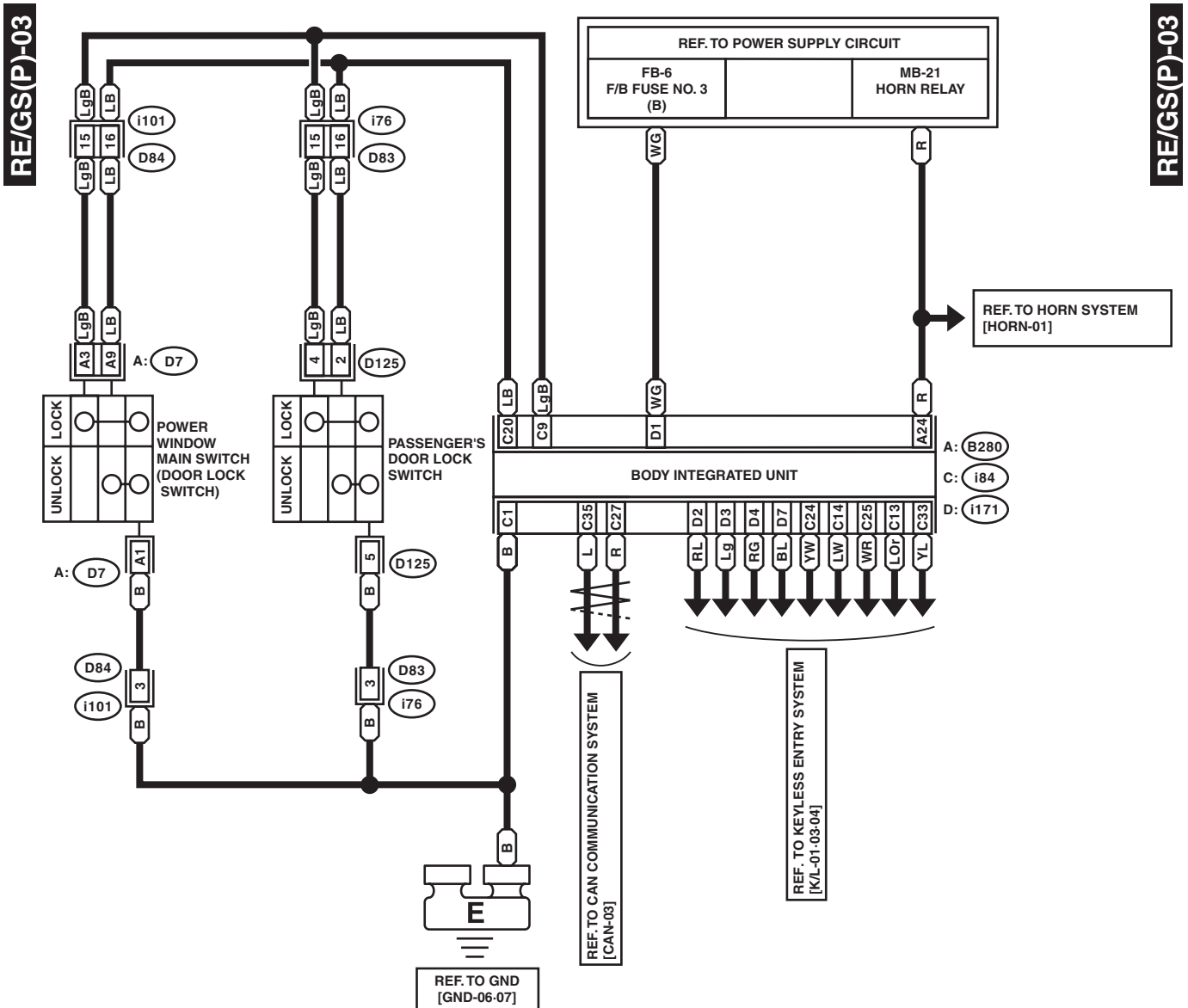
Remote Engine Start System

WIRING SYSTEM



Remote Engine Start System

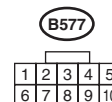
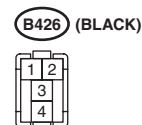
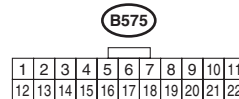
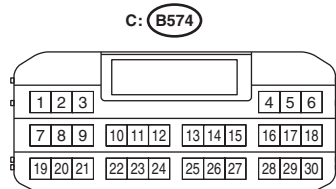
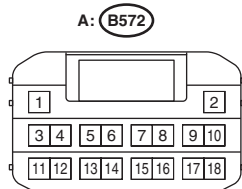
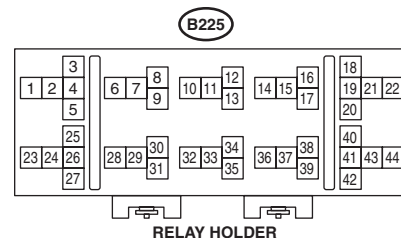
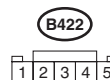
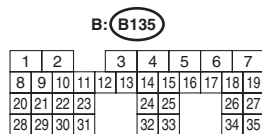
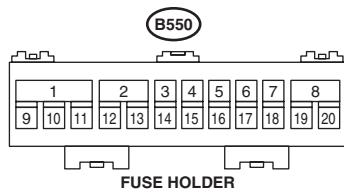
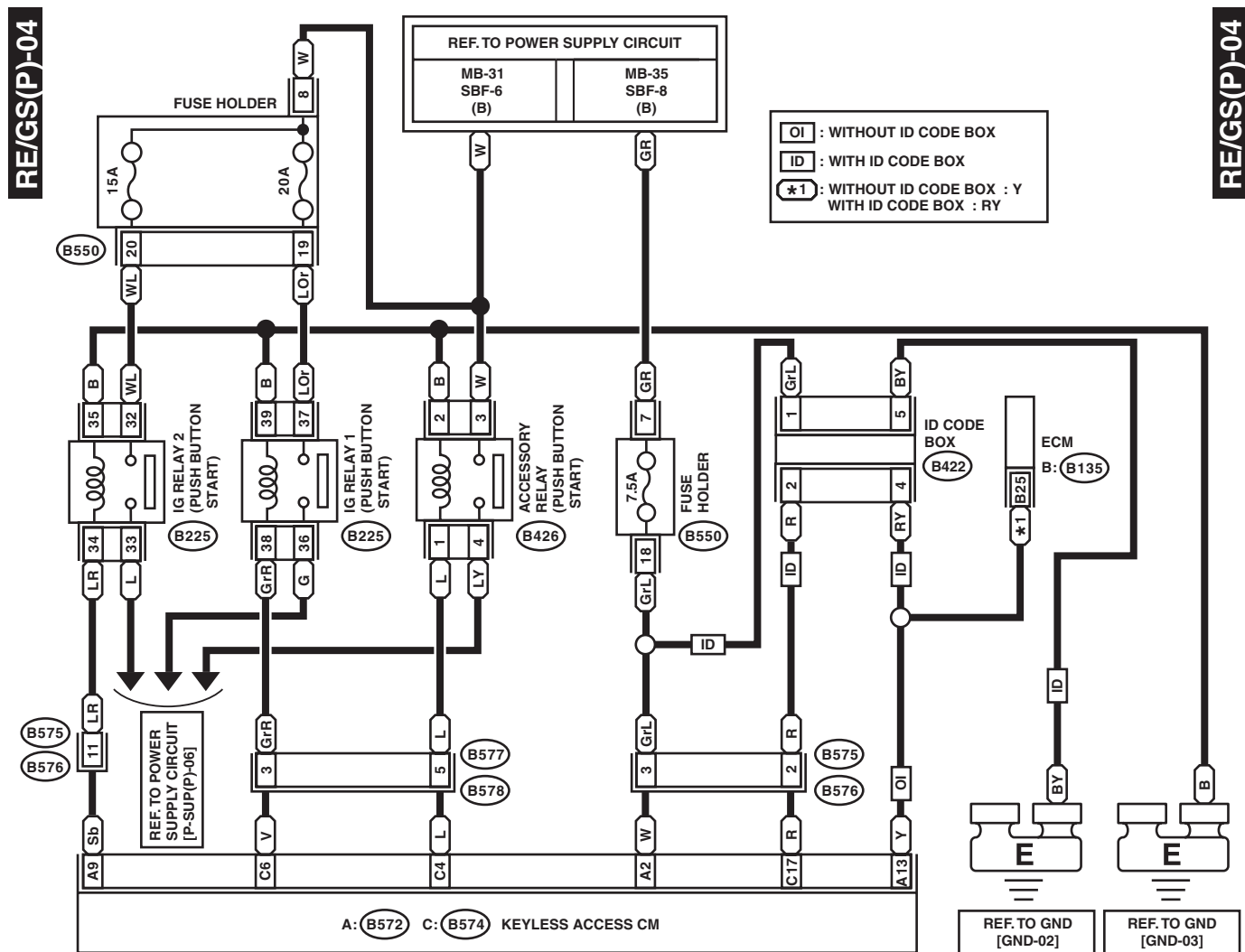
WIRING SYSTEM



WI-48126

Remote Engine Start System

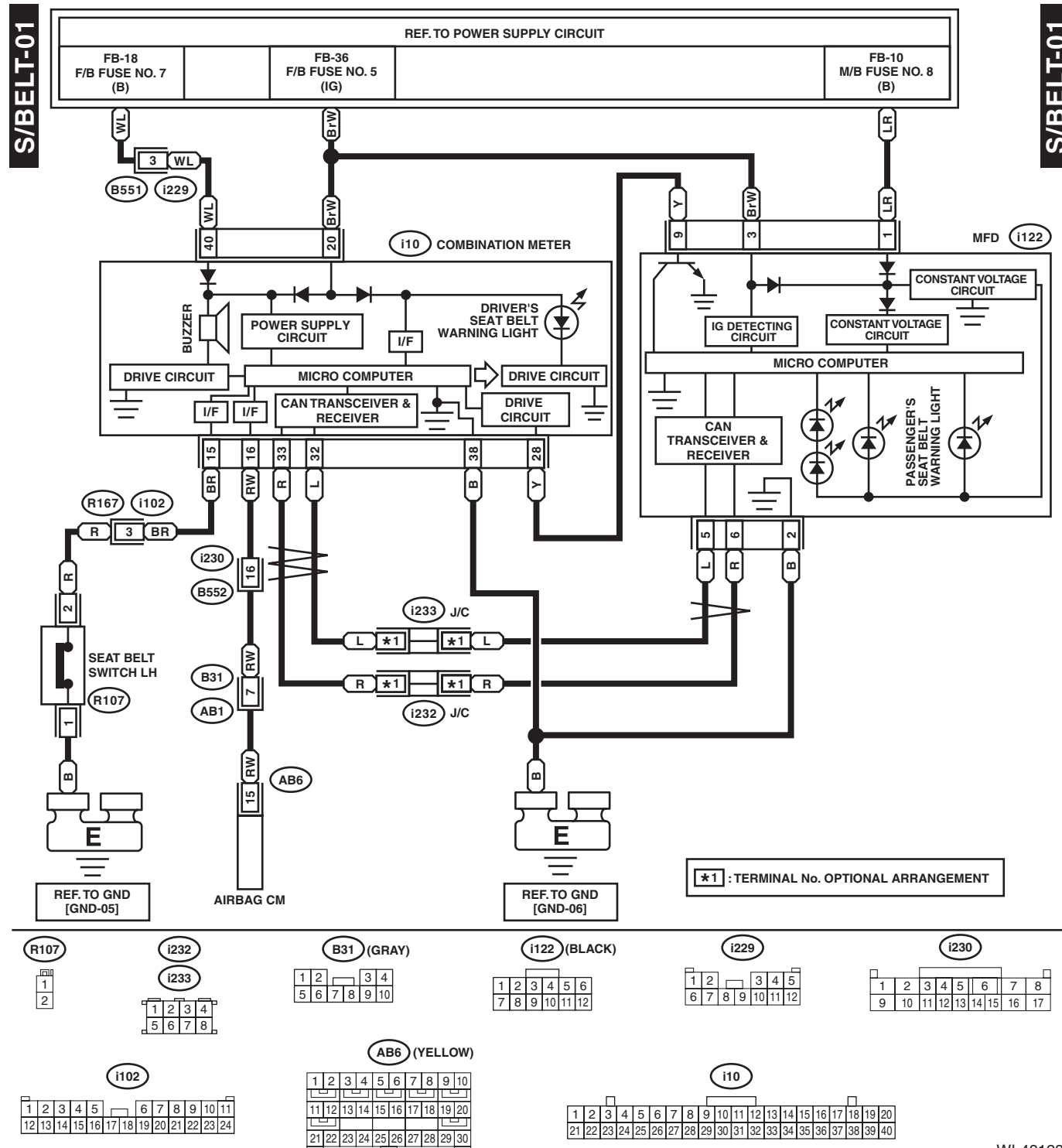
WIRING SYSTEM



WI-48127

46. Seat Belt Warning System

A: WIRING DIAGRAM



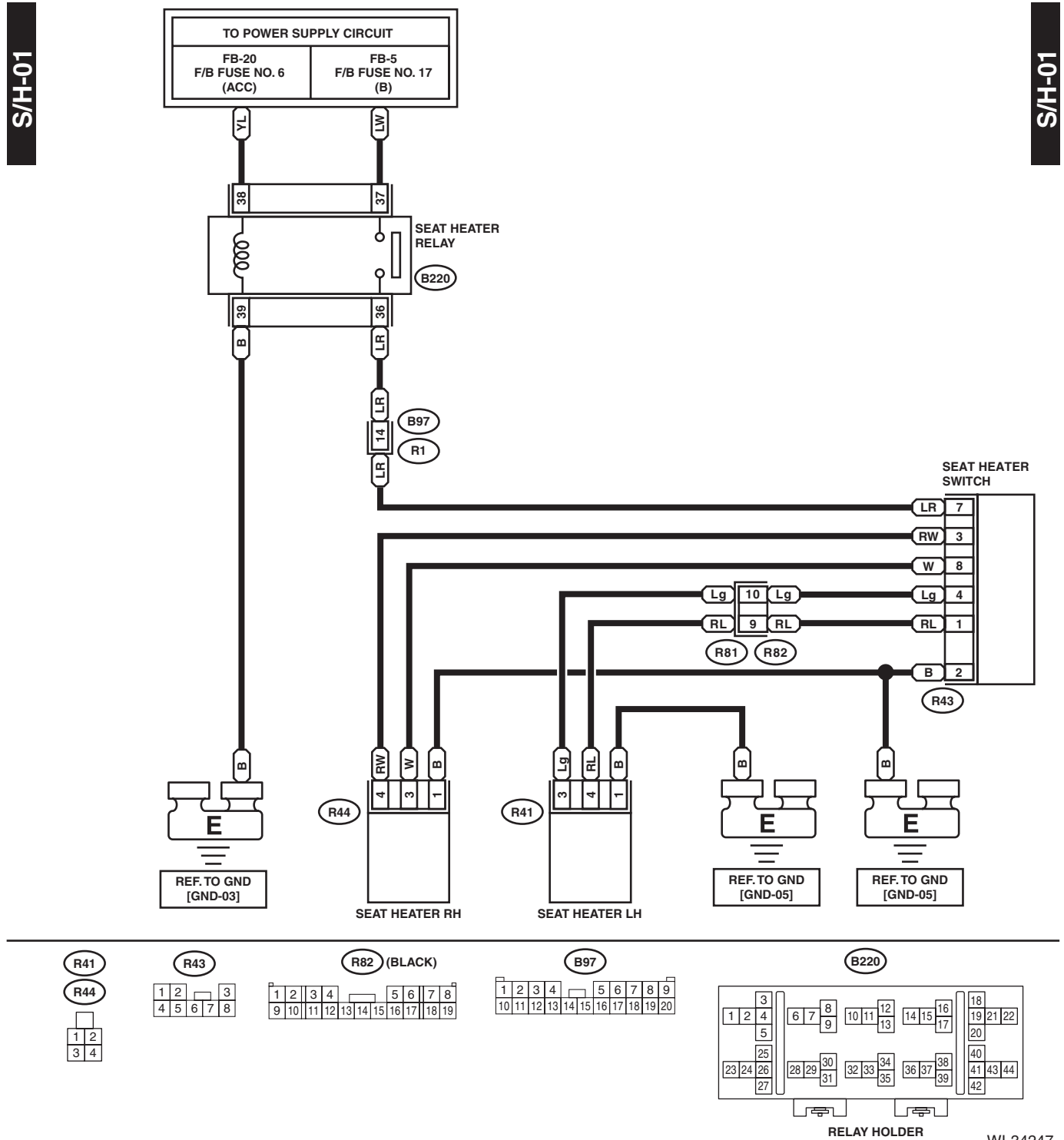
WI-48128

Seat Heater System

WIRING SYSTEM

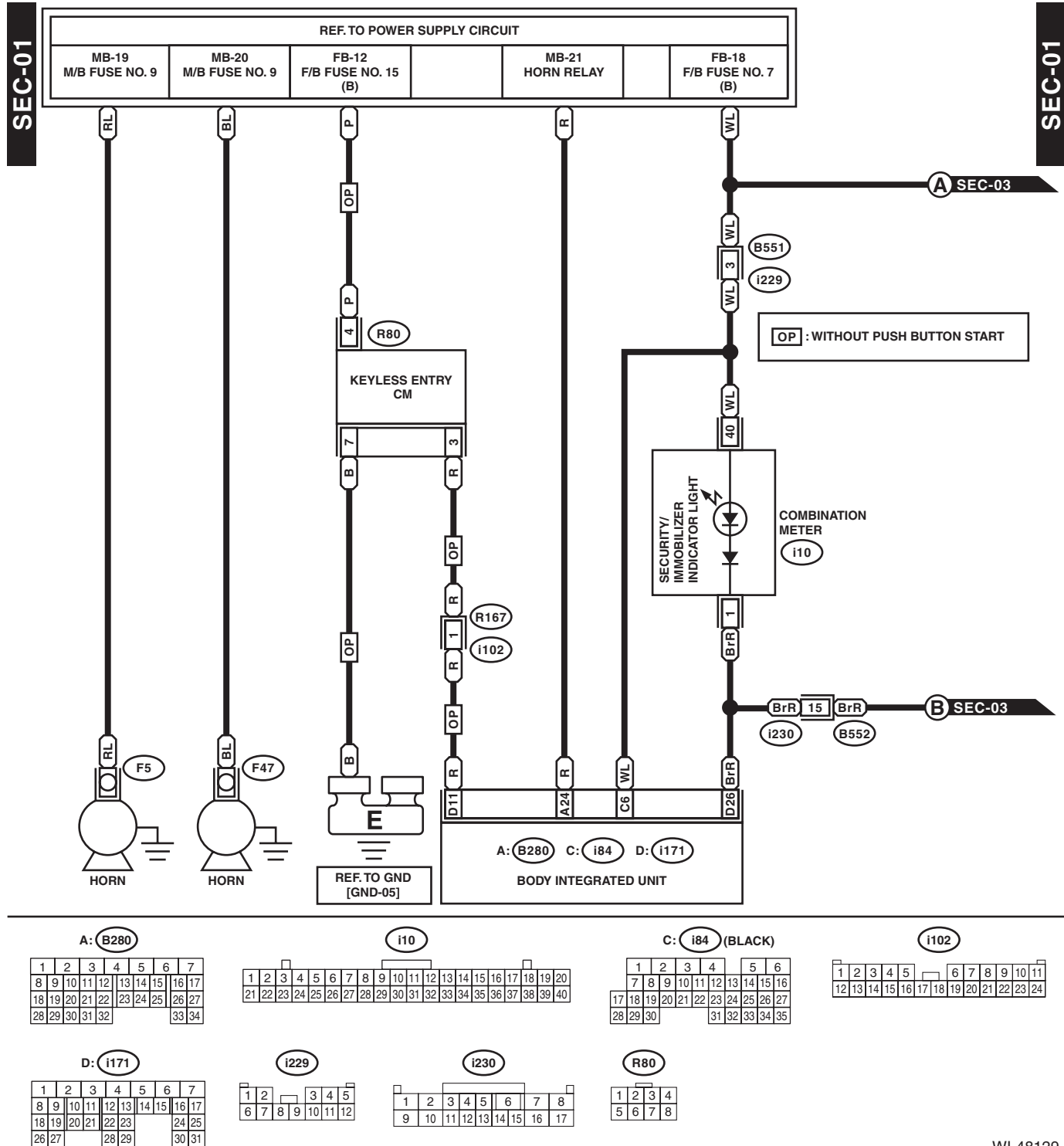
47.Seat Heater System

A: WIRING DIAGRAM



48.Security System

A: WIRING DIAGRAM



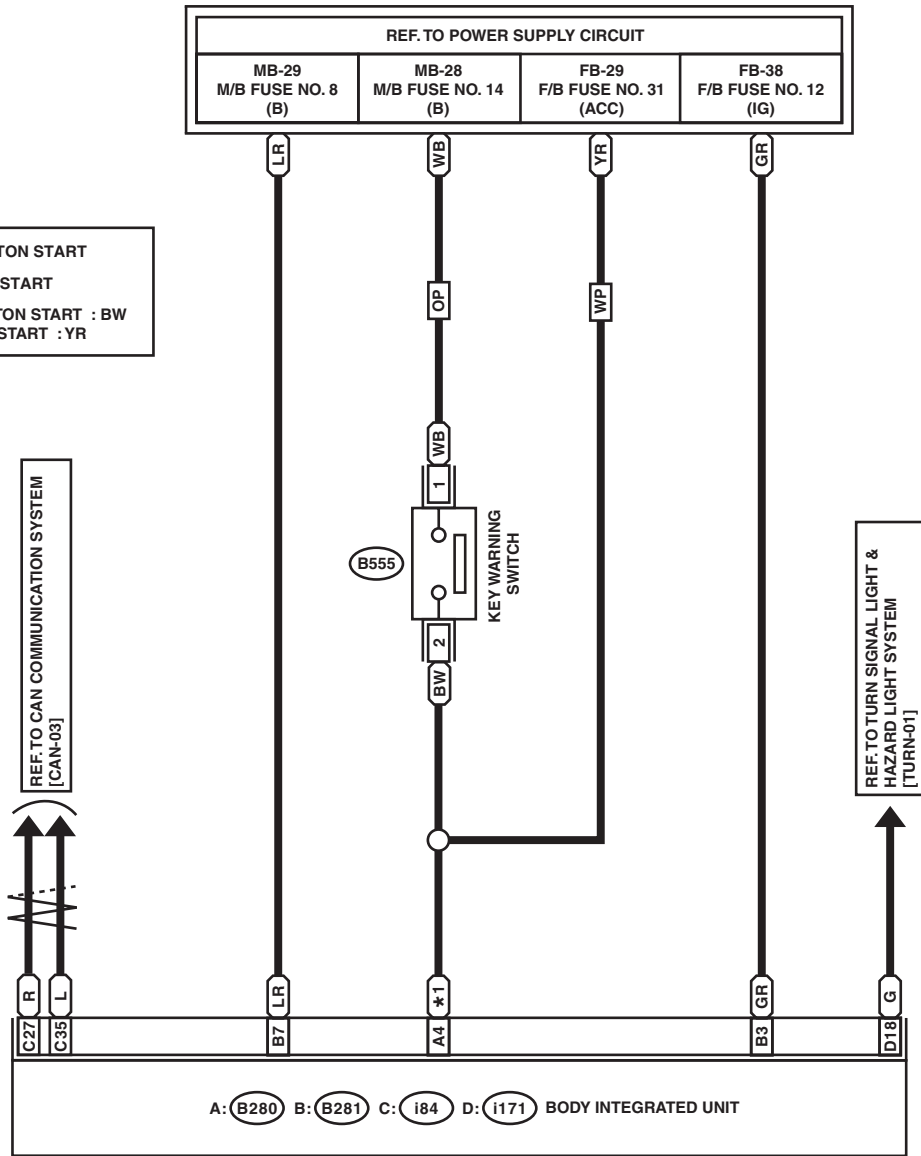
Security System

WIRING SYSTEM

SEC-02

SEC-02

OP : WITHOUT PUSH BUTTON START
 WP : WITH PUSH BUTTON START
 *1 : WITHOUT PUSH BUTTON START : BW
 WITH PUSH BUTTON START : YR



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

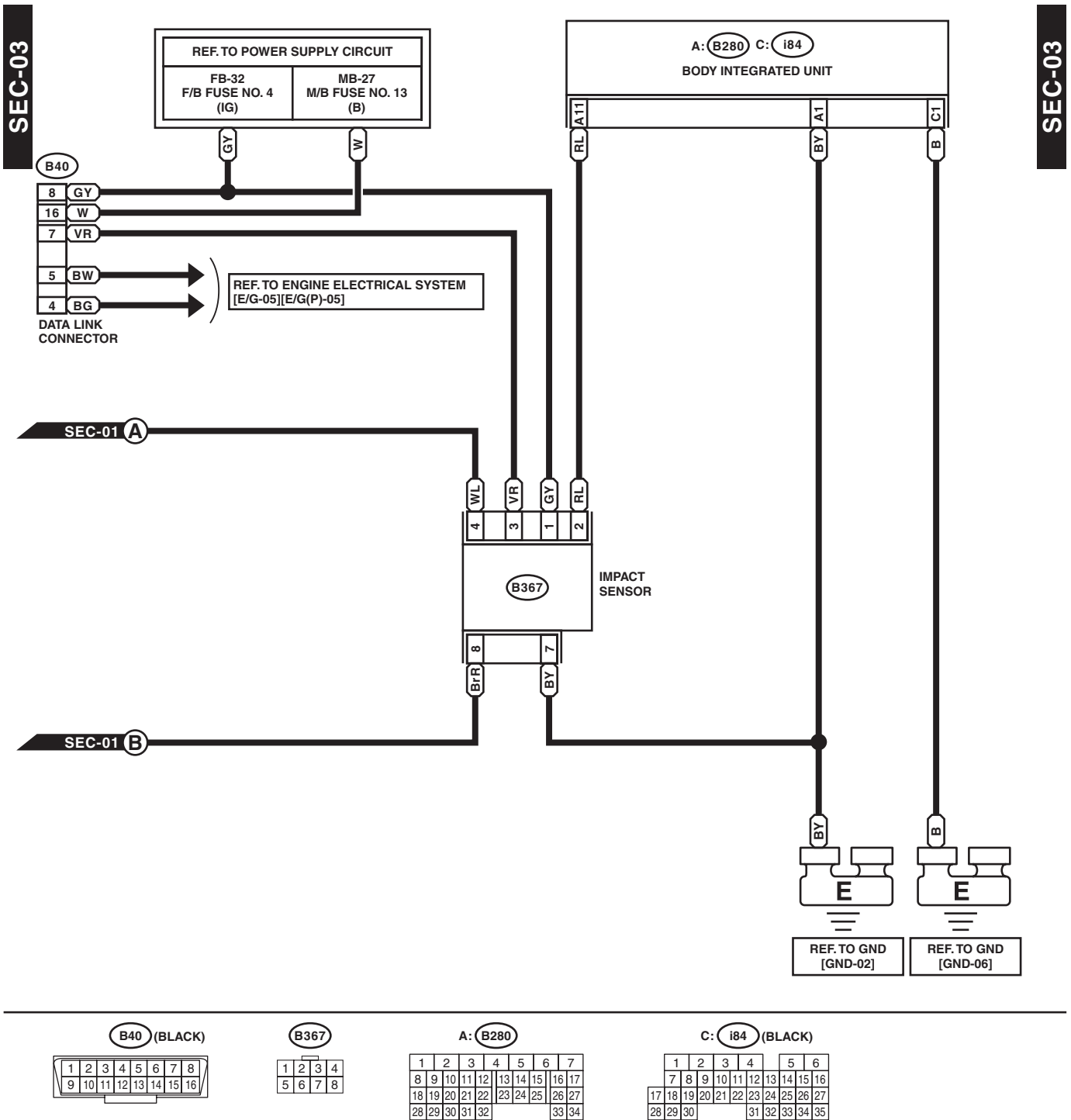
B: B281

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

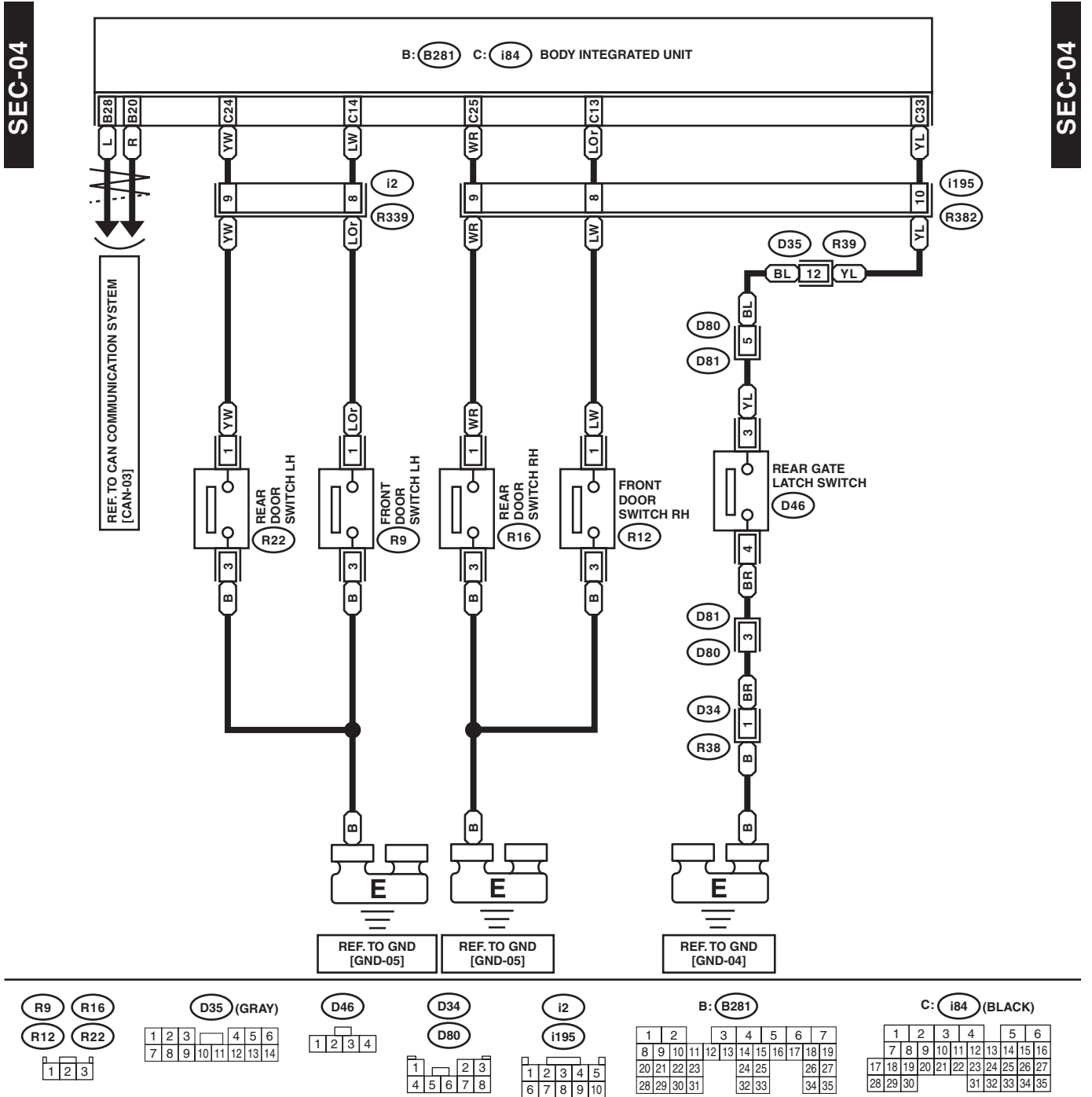
WI-48152



WI-48130

Security System

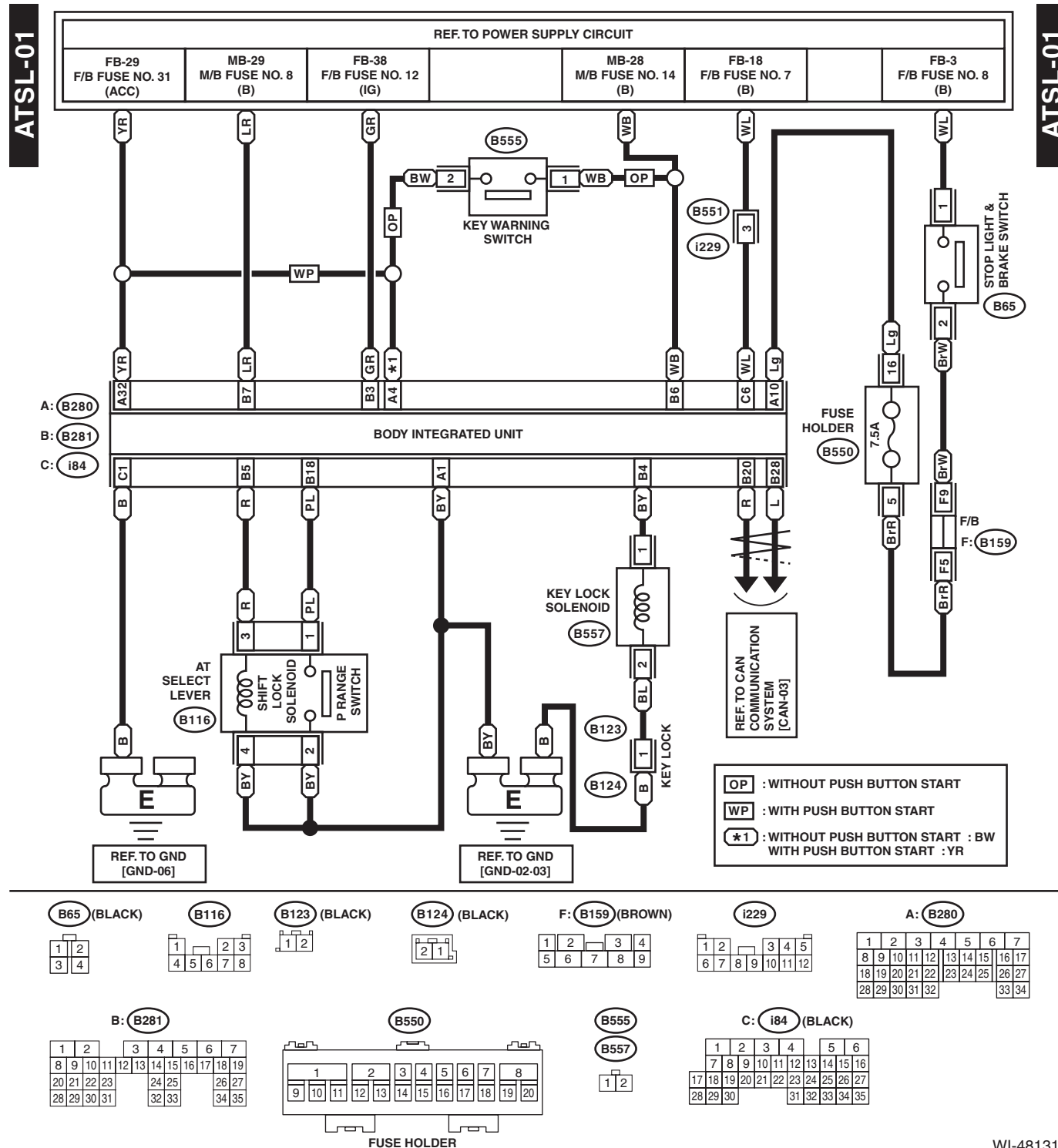
WIRING SYSTEM



WI-42273

49.Shift Lock Control System

A: WIRING DIAGRAM



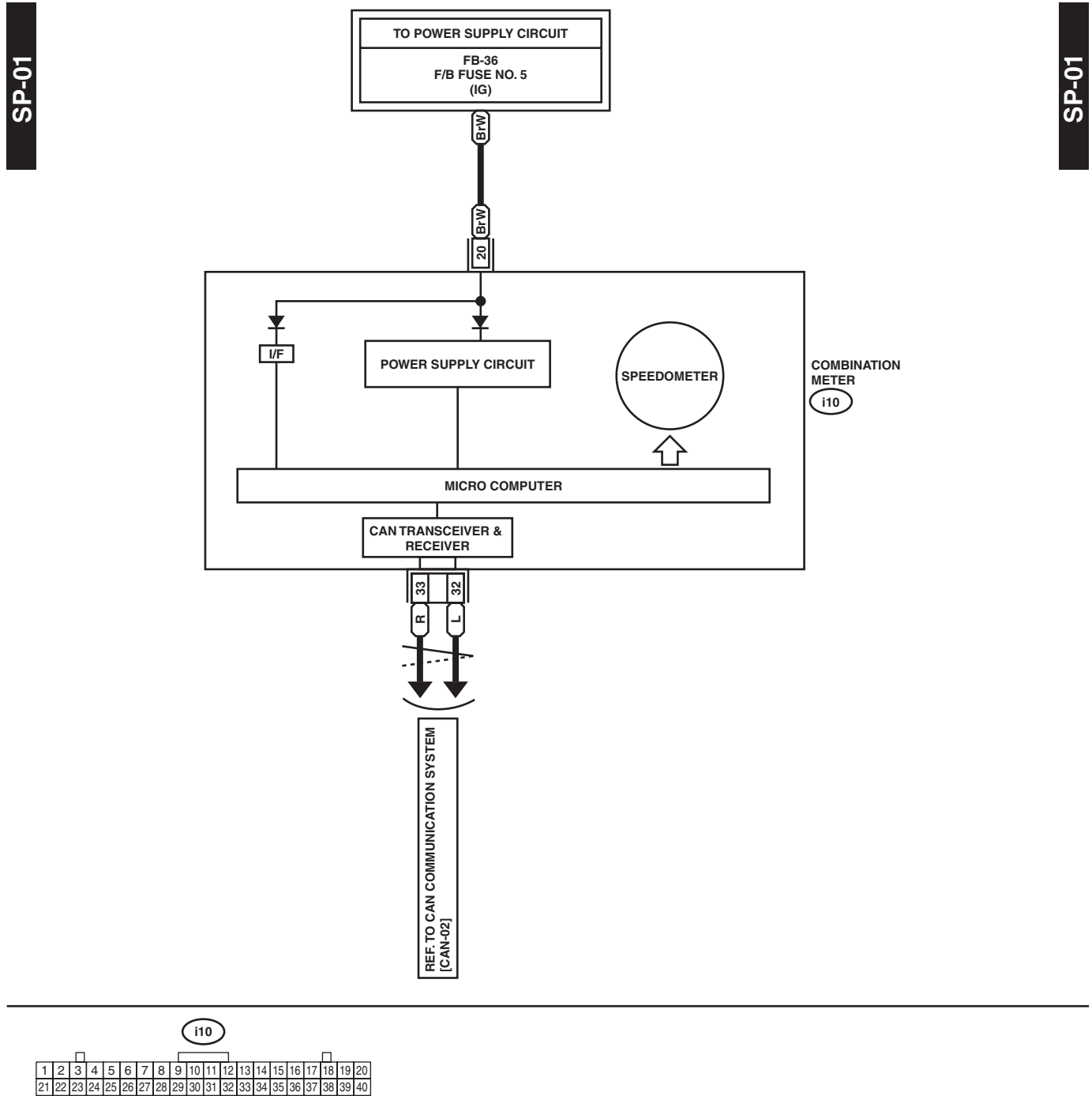
WI-48131

WIRING SYSTEM

50.Speedometer System

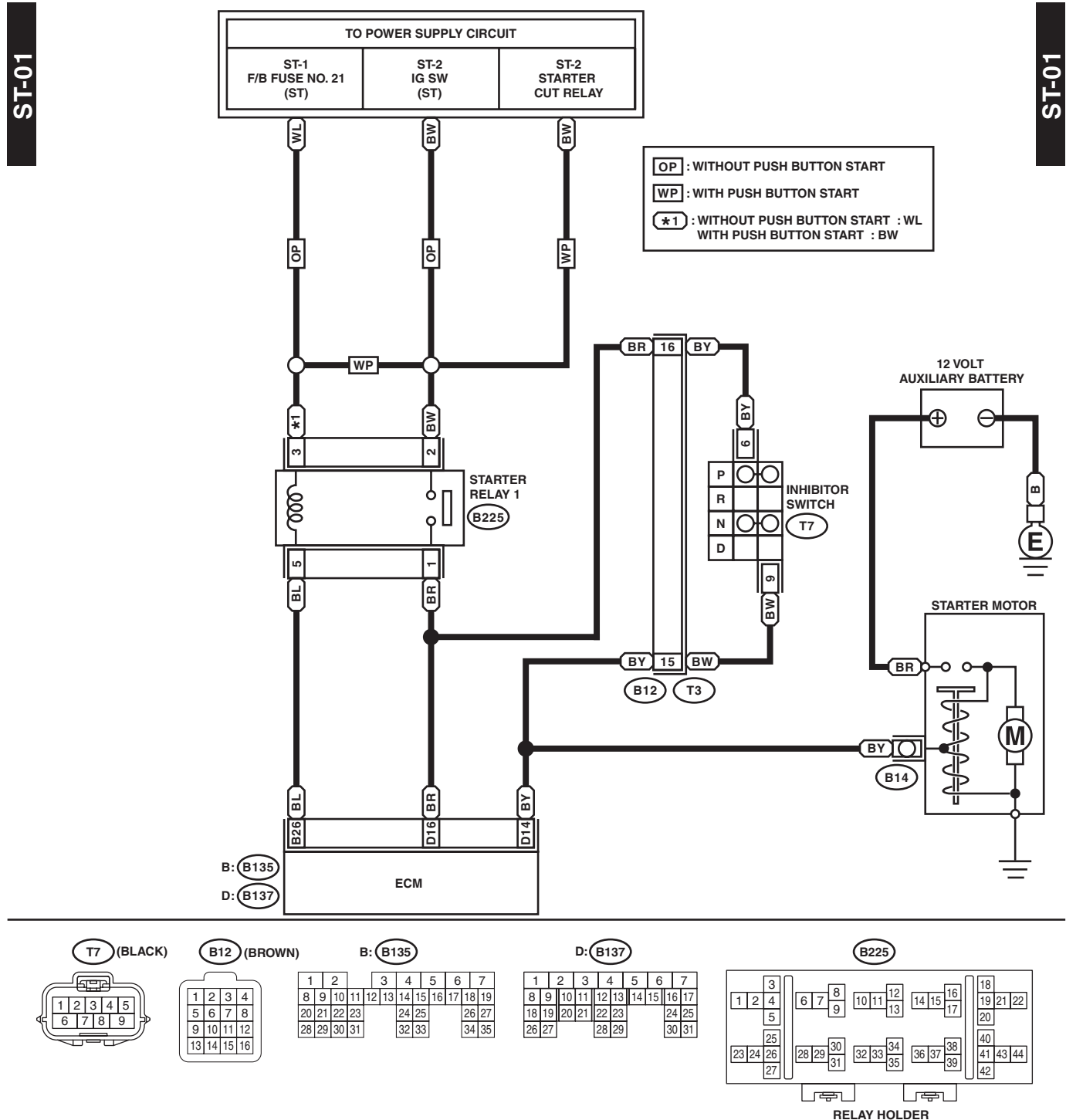
A: WIRING DIAGRAM

A: WIRING DIAGRAM



51.Starter System

A: WIRING DIAGRAM



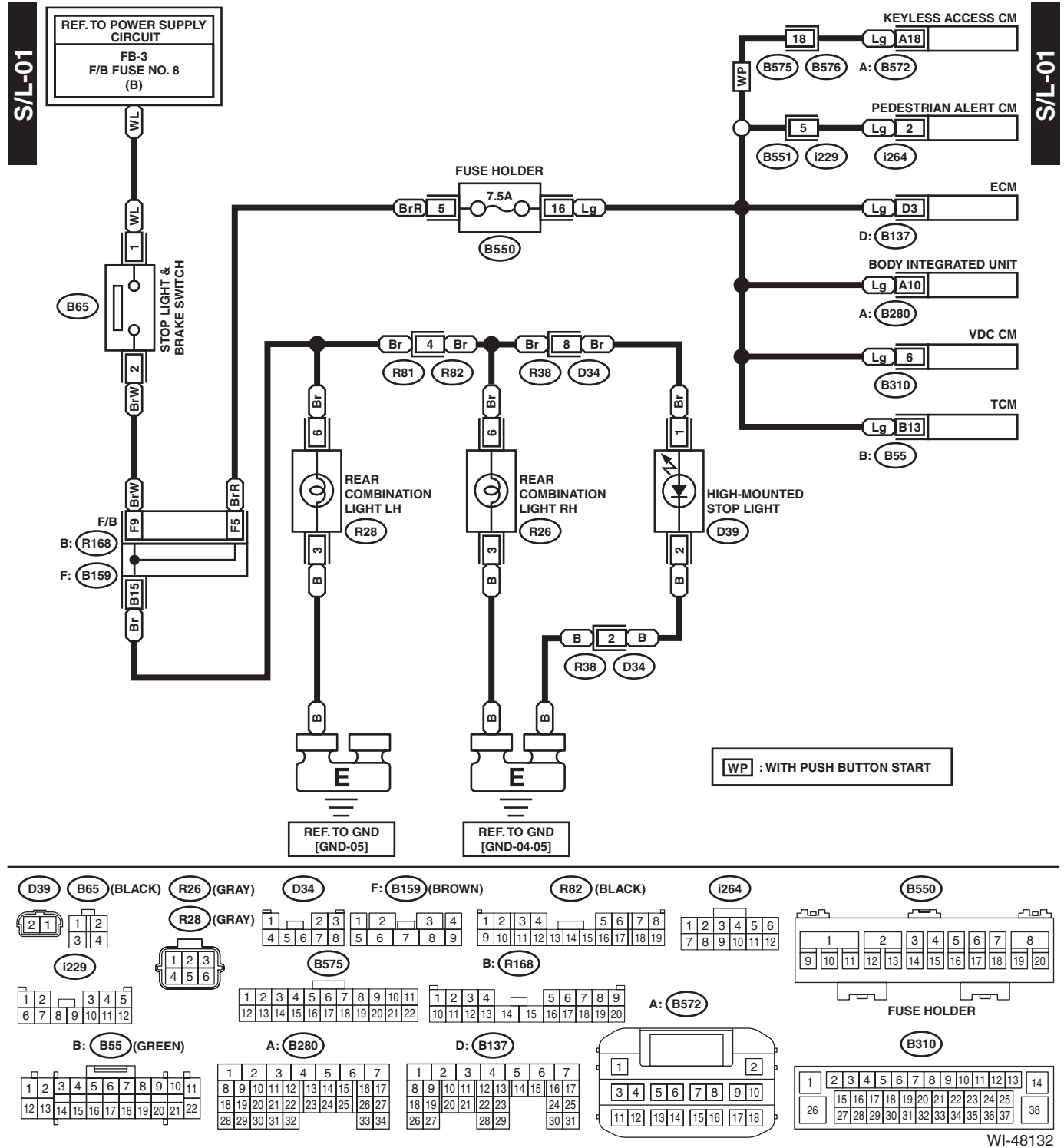
WI-42276

Stop Light System

WIRING SYSTEM

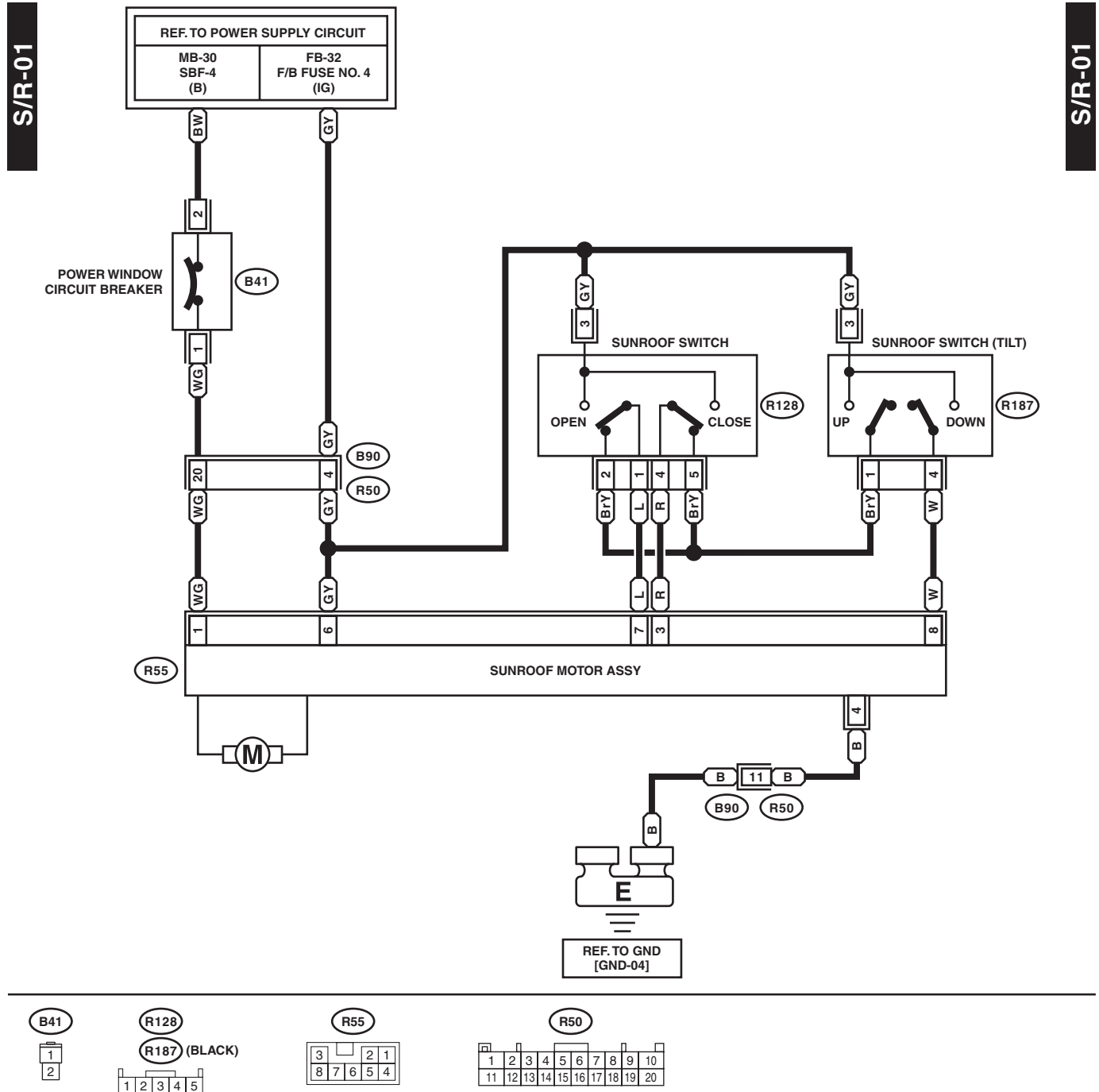
52.Stop Light System

A: WIRING DIAGRAM



53.Sunroof Control System

A: WIRING DIAGRAM

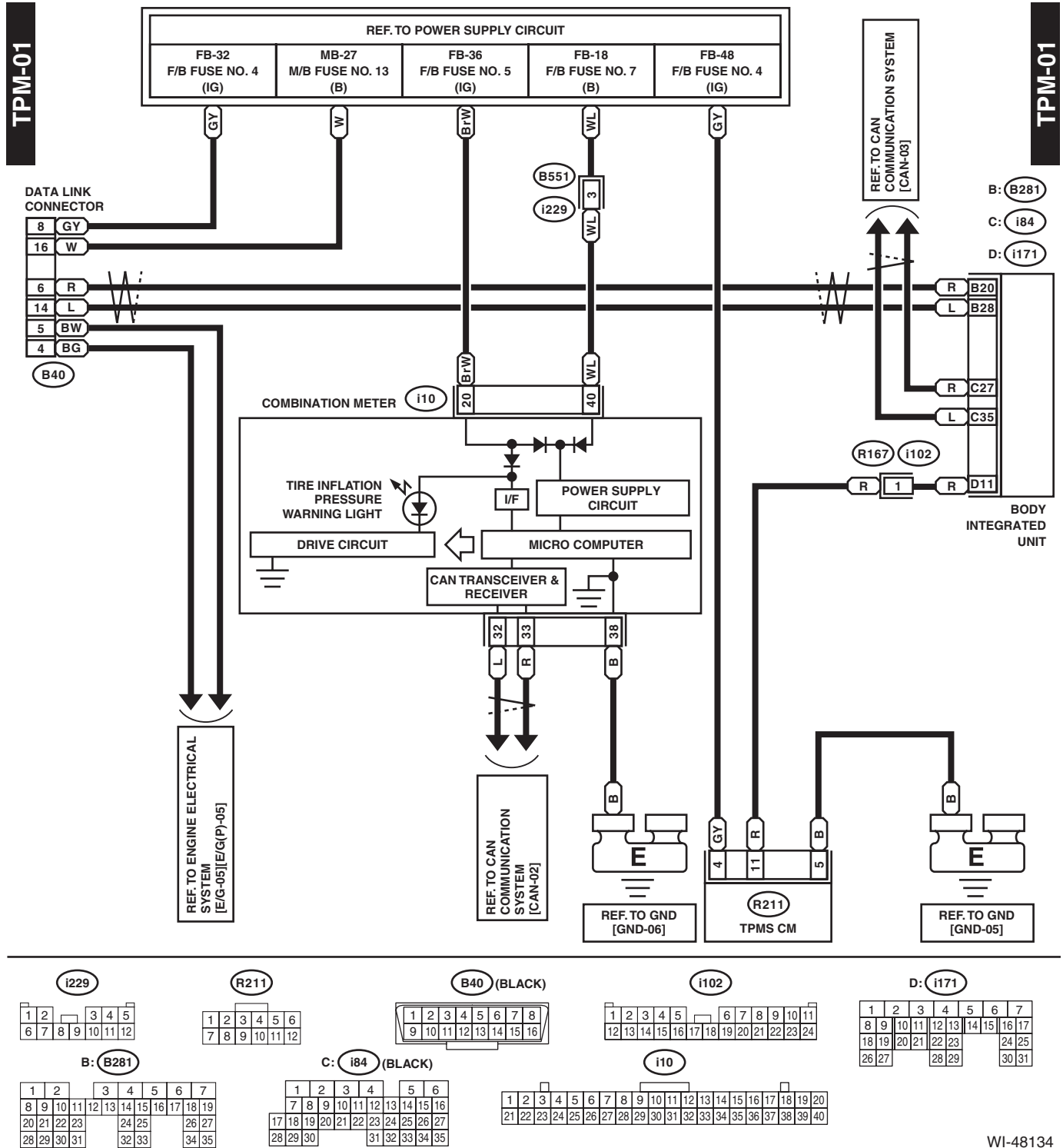


Tire Pressure Monitoring System

WIRING SYSTEM

54. Tire Pressure Monitoring System

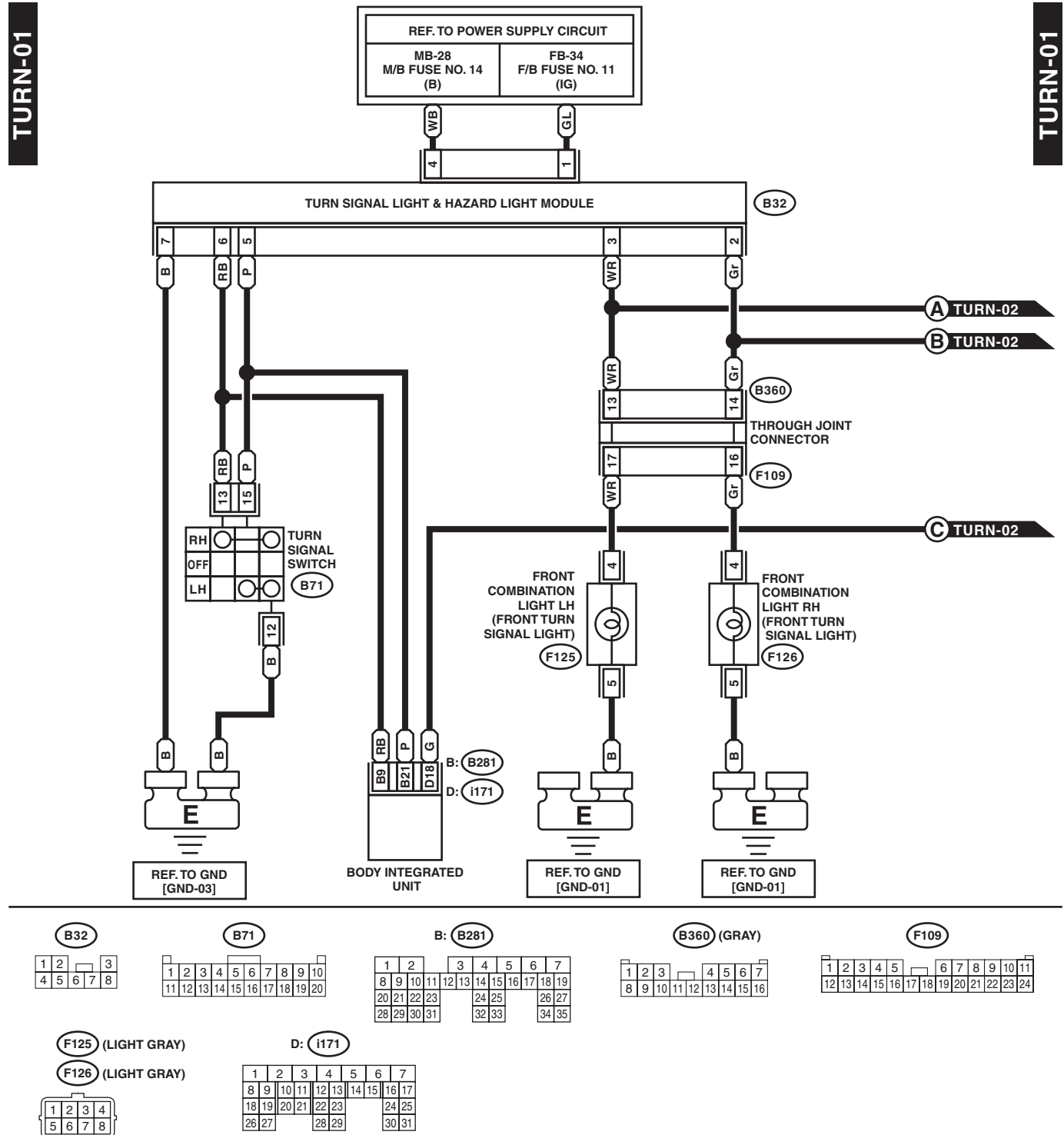
A: WIRING DIAGRAM



WI-48134

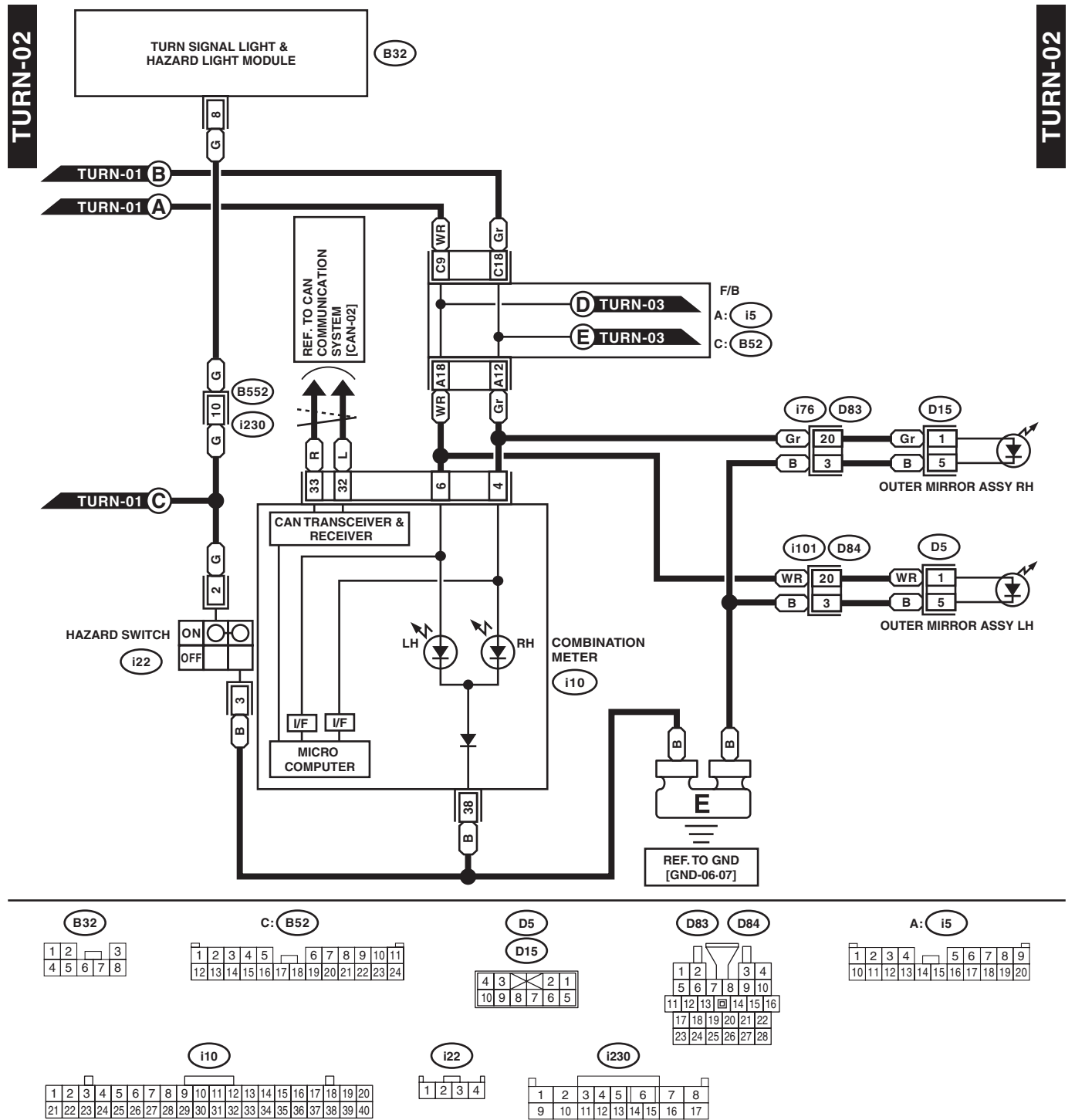
55. Turn Signal Light and Hazard Light System

A: WIRING DIAGRAM



Turn Signal Light and Hazard Light System

WIRING SYSTEM



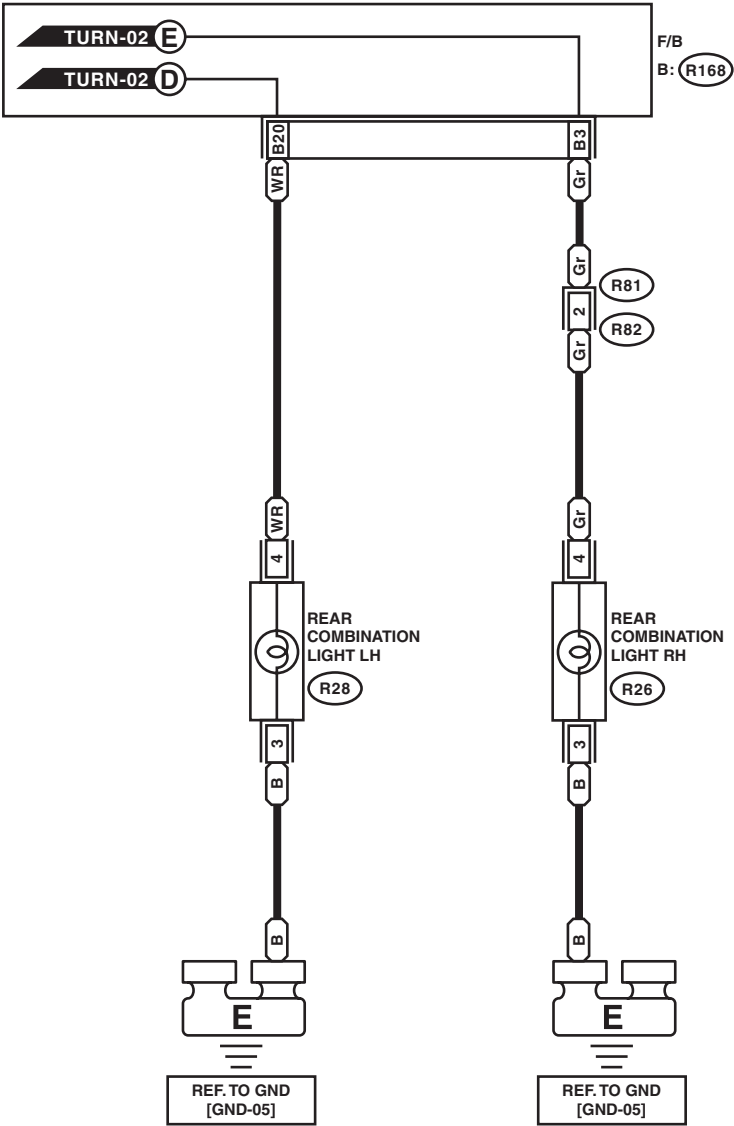
WI-48136

Turn Signal Light and Hazard Light System

WIRING SYSTEM

TURN-03

TURN-03



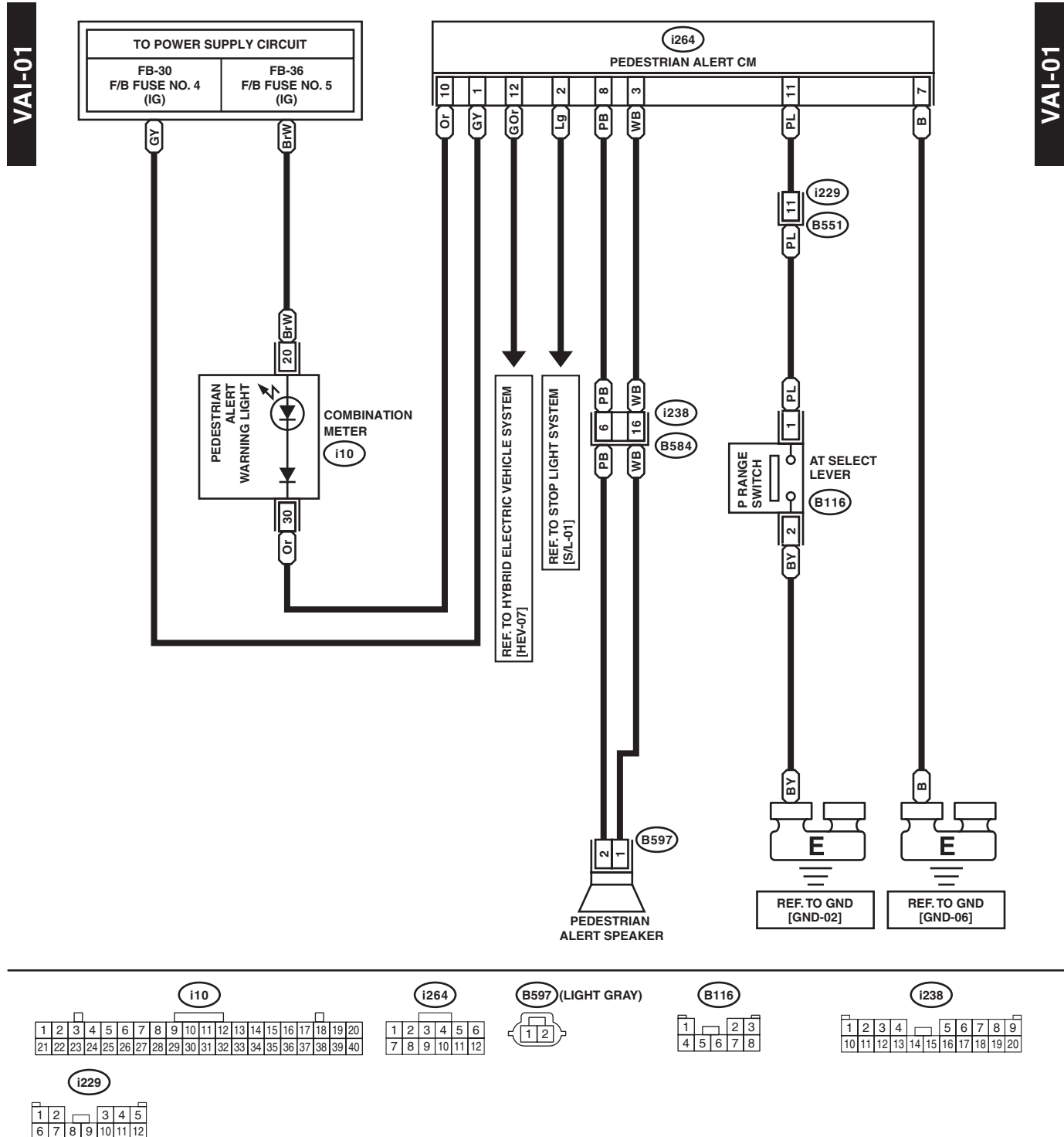
WI-48137

Pedestrian Alert System

WIRING SYSTEM

56. Pedestrian Alert System

A: WIRING DIAGRAM



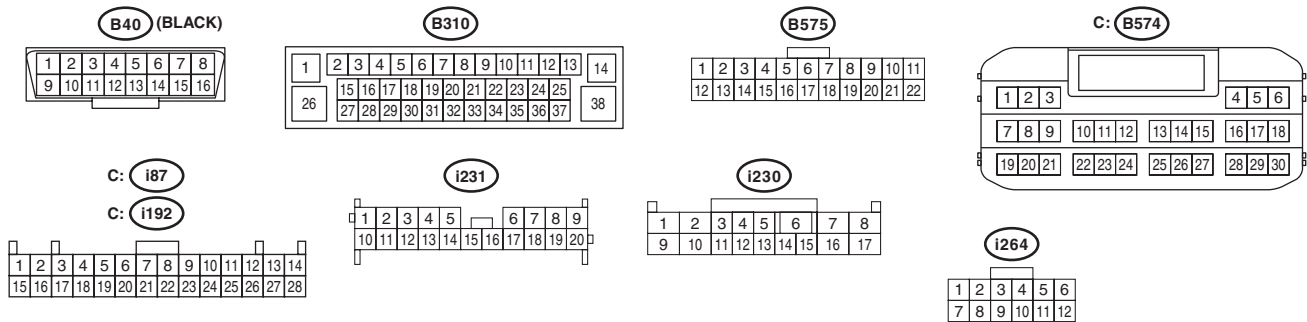
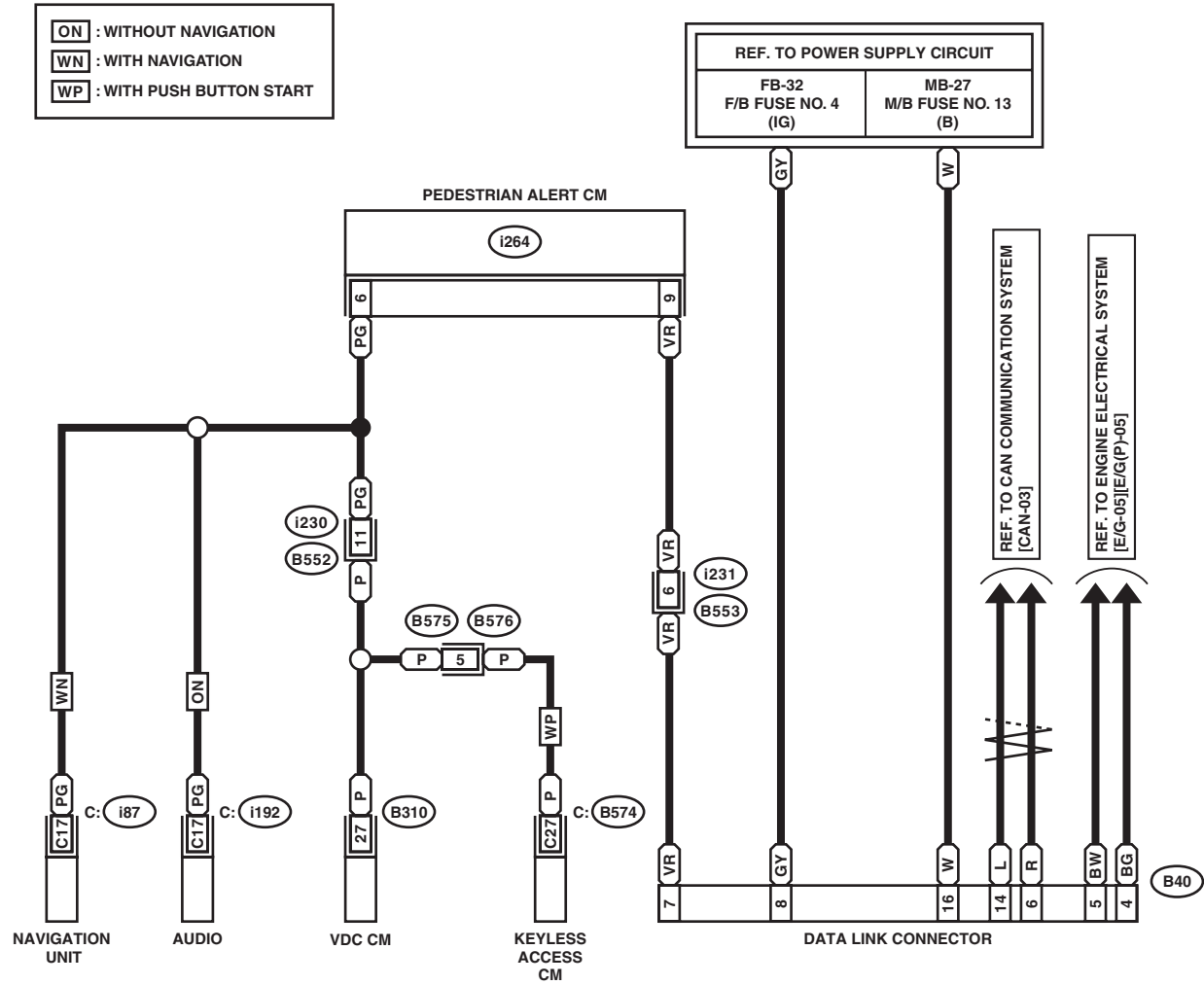
WI-42281

Pedestrian Alert System

WIRING SYSTEM

VAI-02

VAI-02



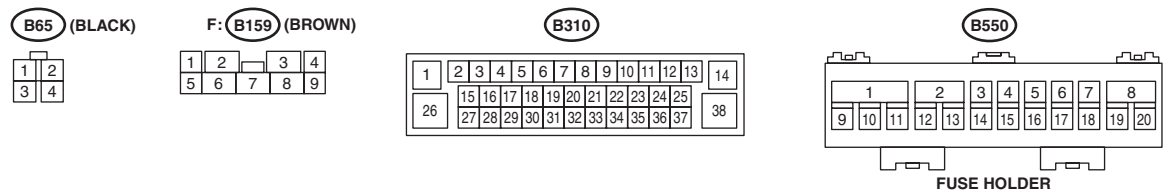
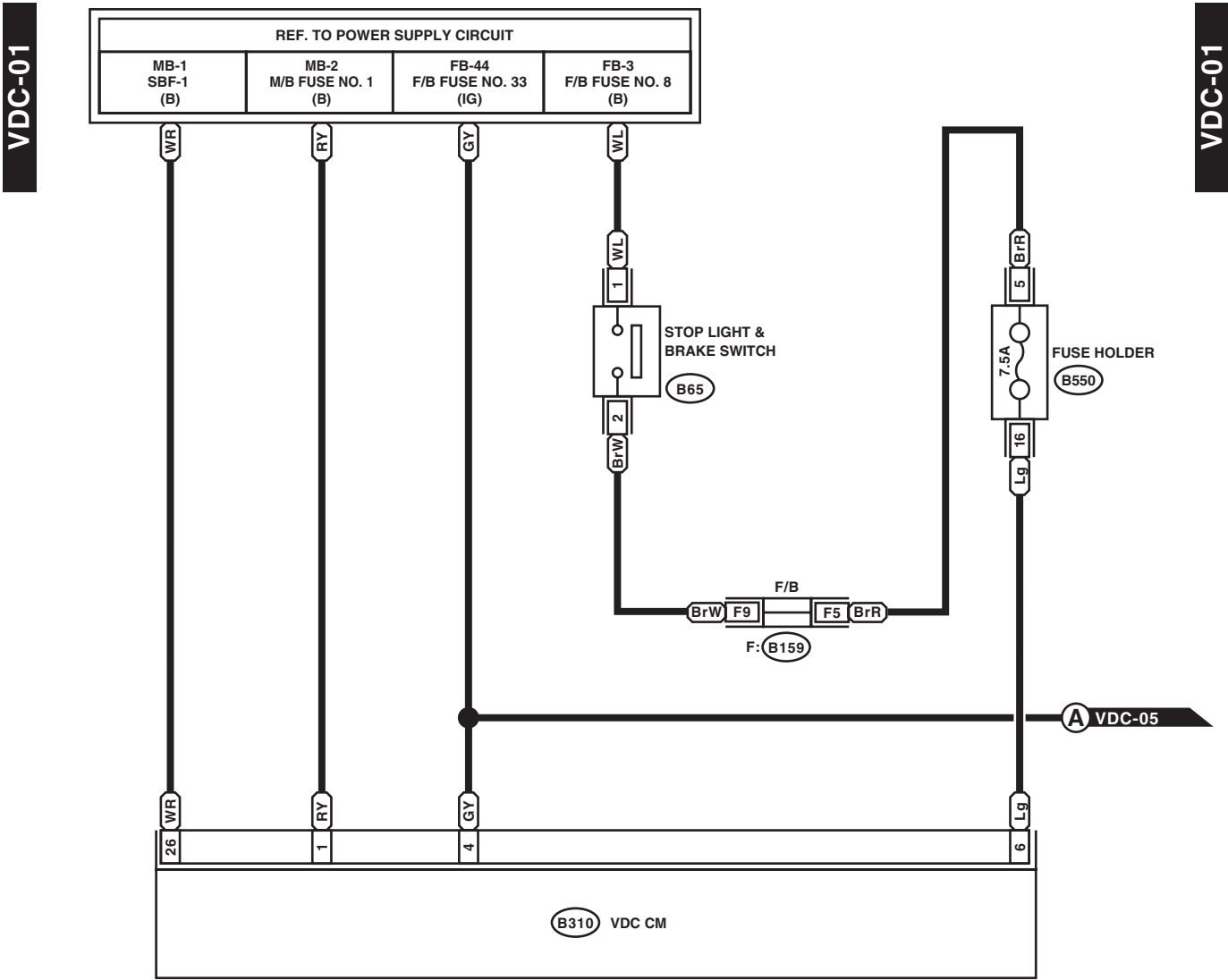
WI-48138

Vehicle Dynamics Control System

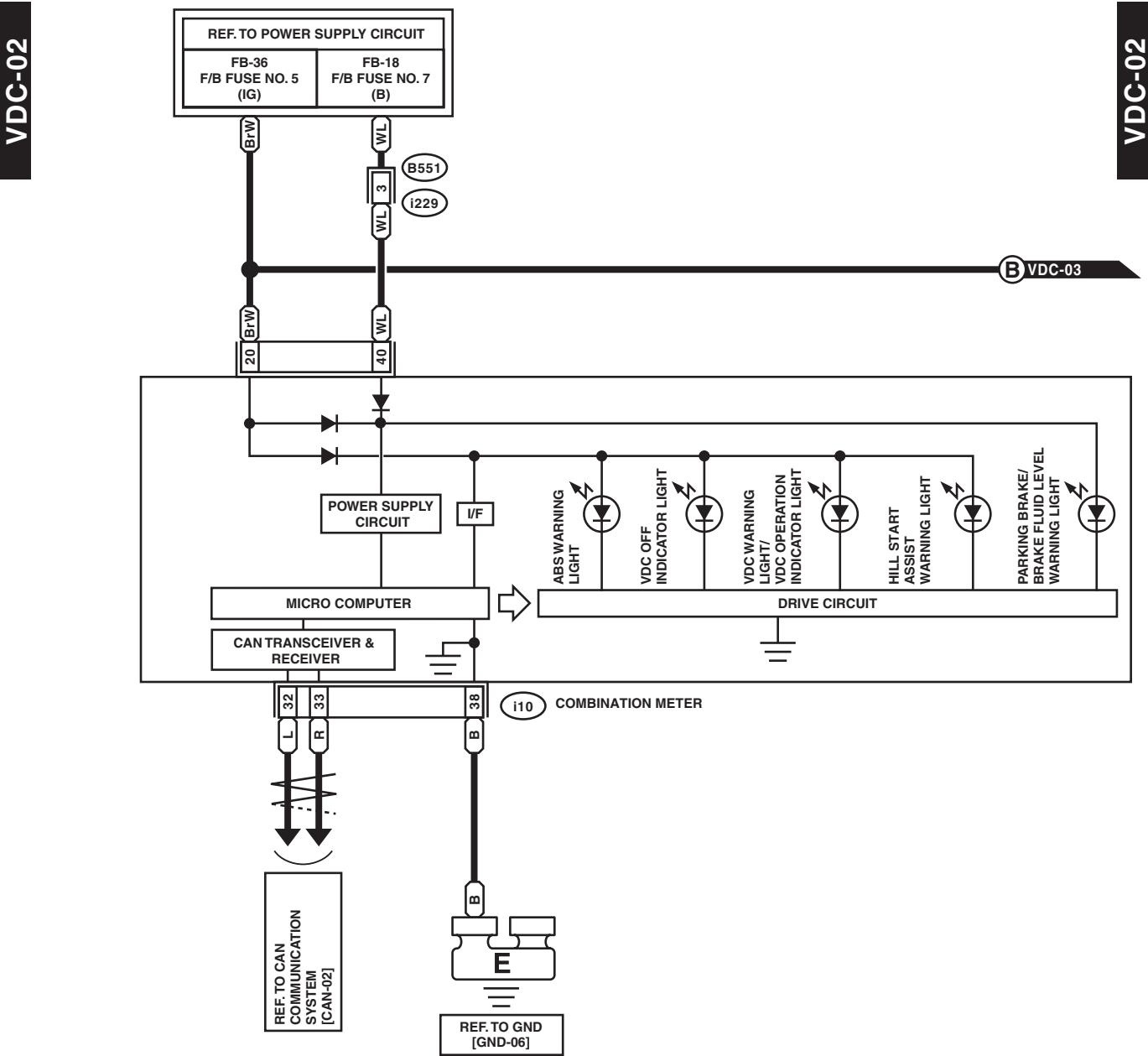
WIRING SYSTEM

57.Vehicle Dynamics Control System

A: WIRING DIAGRAM



WI-48150



i229

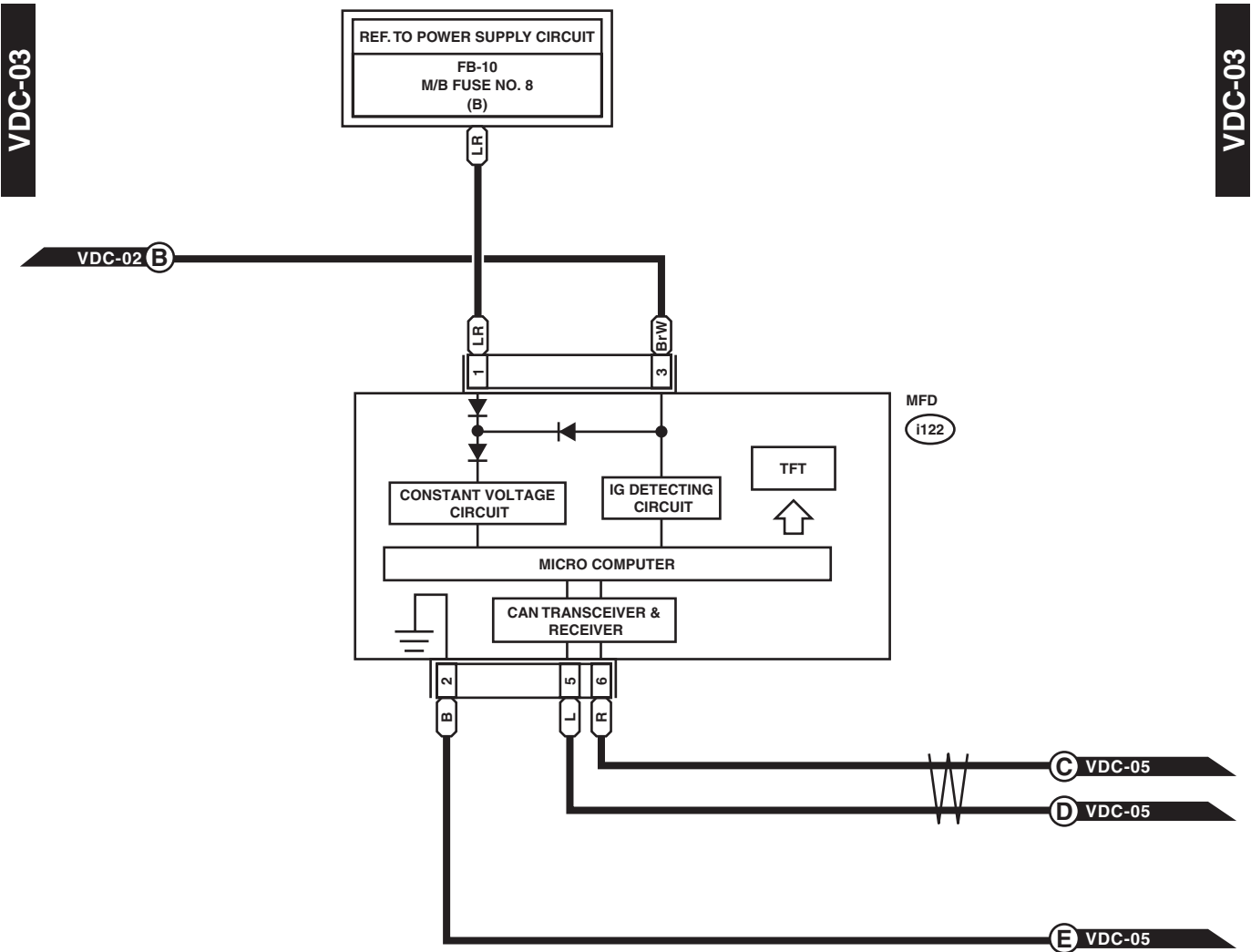
1	2	3	4	5
6	7	8	9	10
11	12			

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



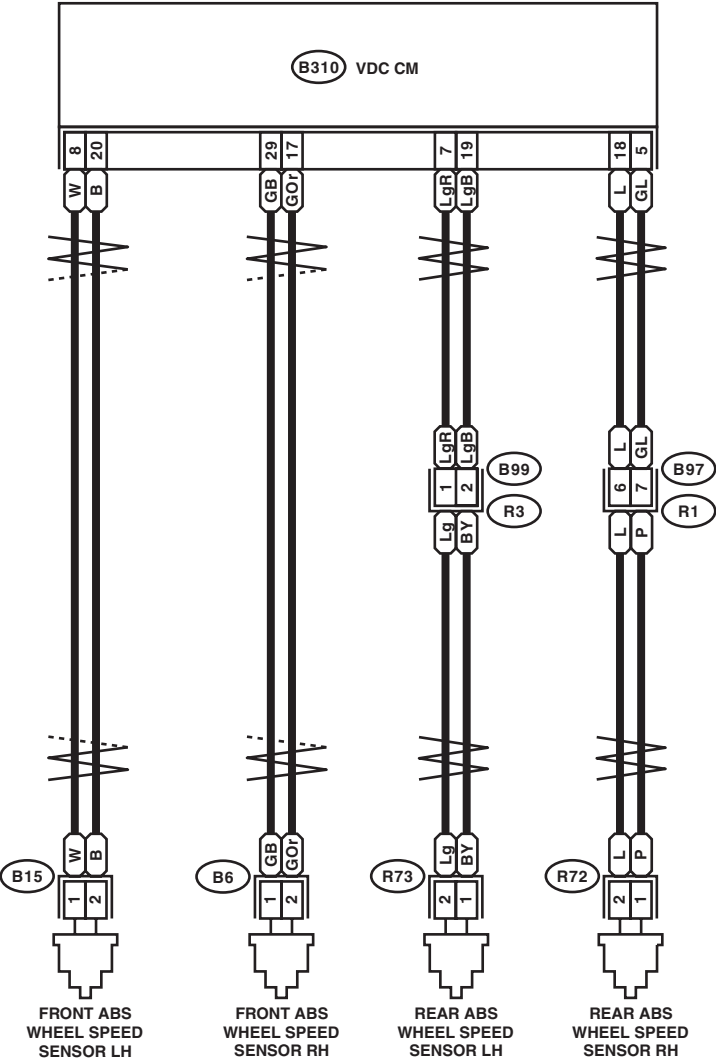
i122 (BLACK)

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

WI-48139

VDC-04

VDC-04



(LIGHT GRAY) B6 R72 (LIGHT GRAY)
(LIGHT GRAY) B15 R73 (LIGHT GRAY)

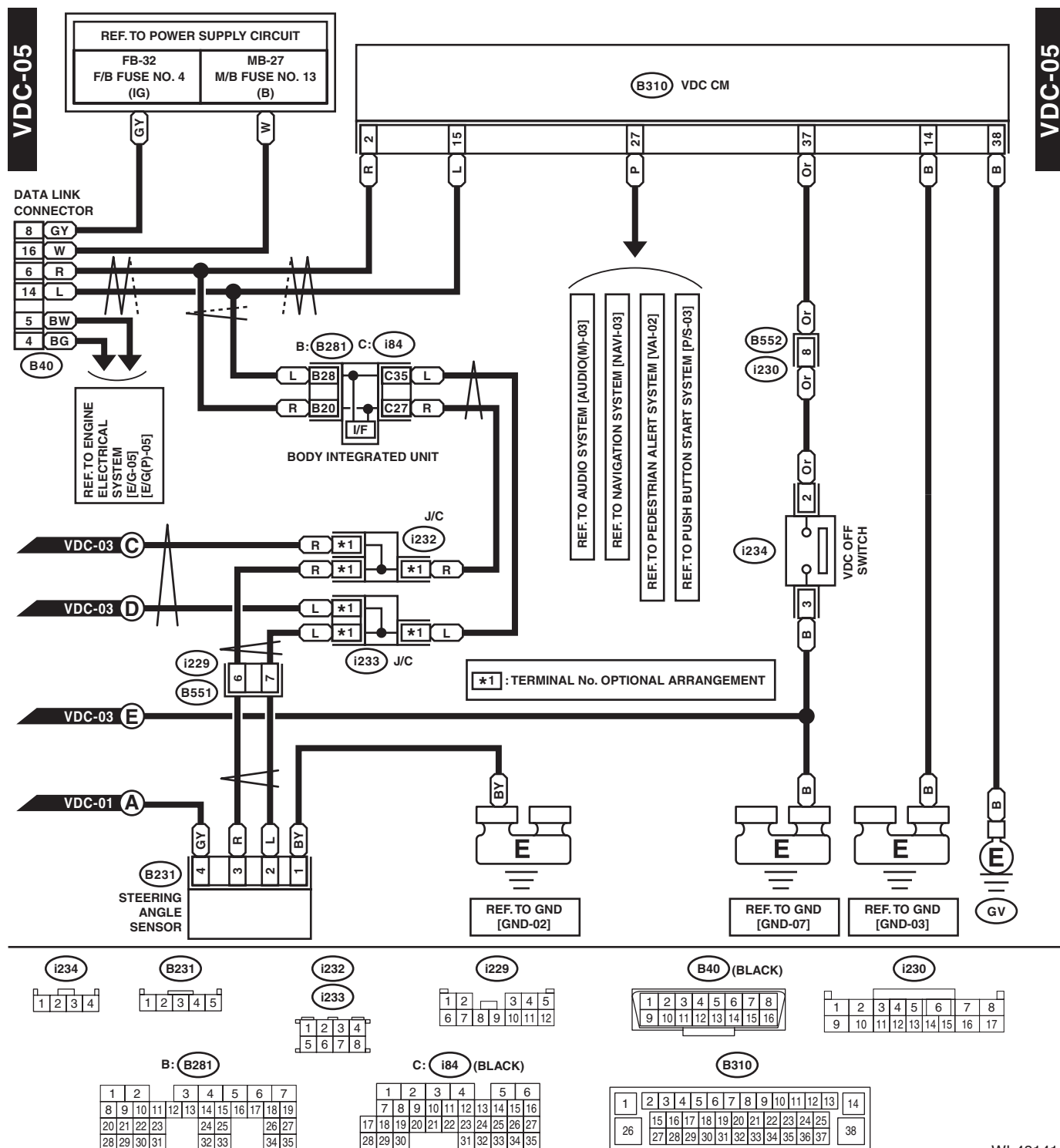


1	2	3	4			5	6	7	8	9
10	11	12	13	14	15	16	17	18	19	20

B310													
1	2	3	4	5	6	7	8	9	10	11	12	13	14
26	15	16	17	18	19	20	21	22	23	24	25		38
	27	28	29	30	31	32	33	34	35	36	37		

Vehicle Dynamics Control System

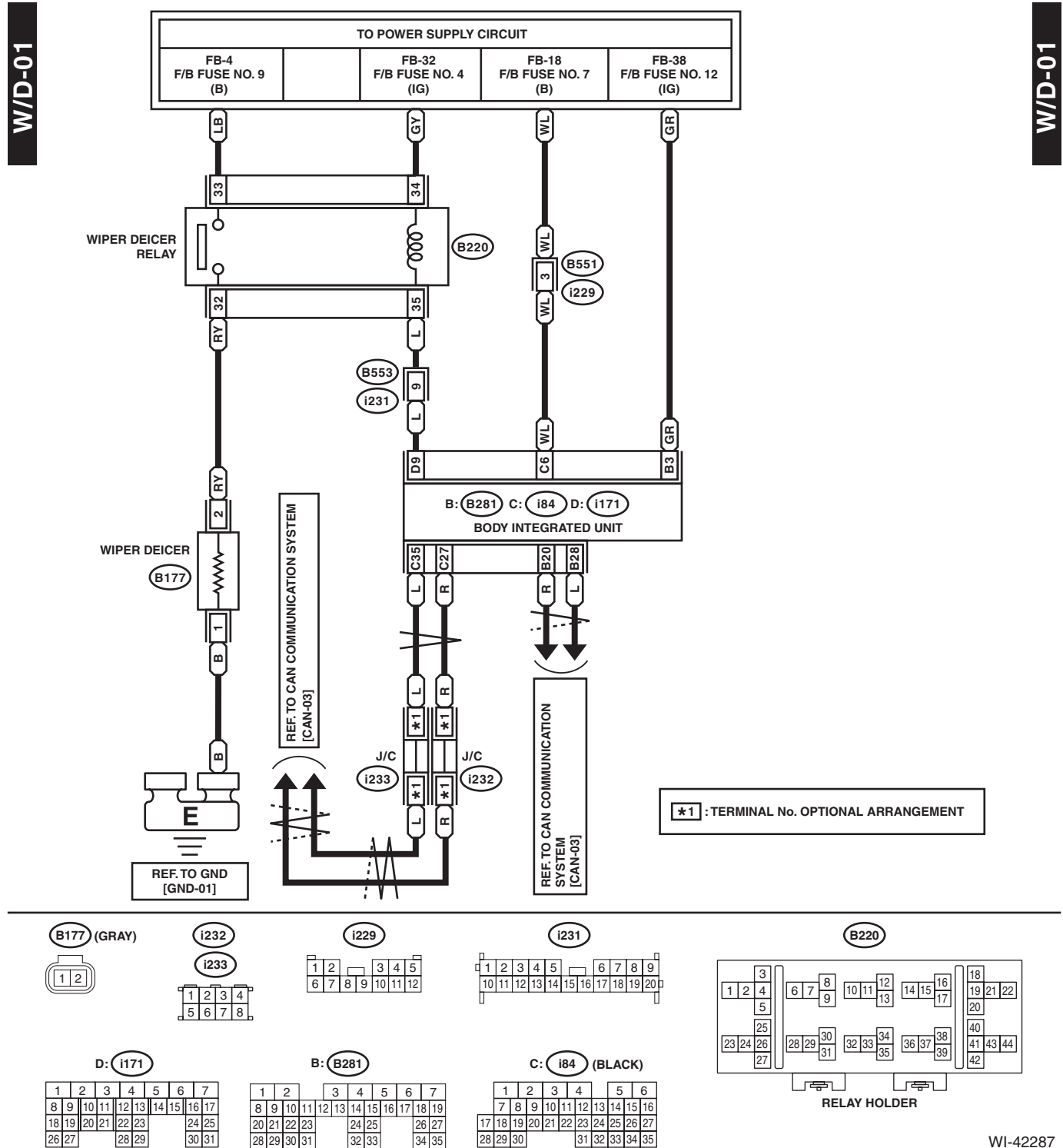
WIRING SYSTEM



WI-48141

58.Wiper Deicer System

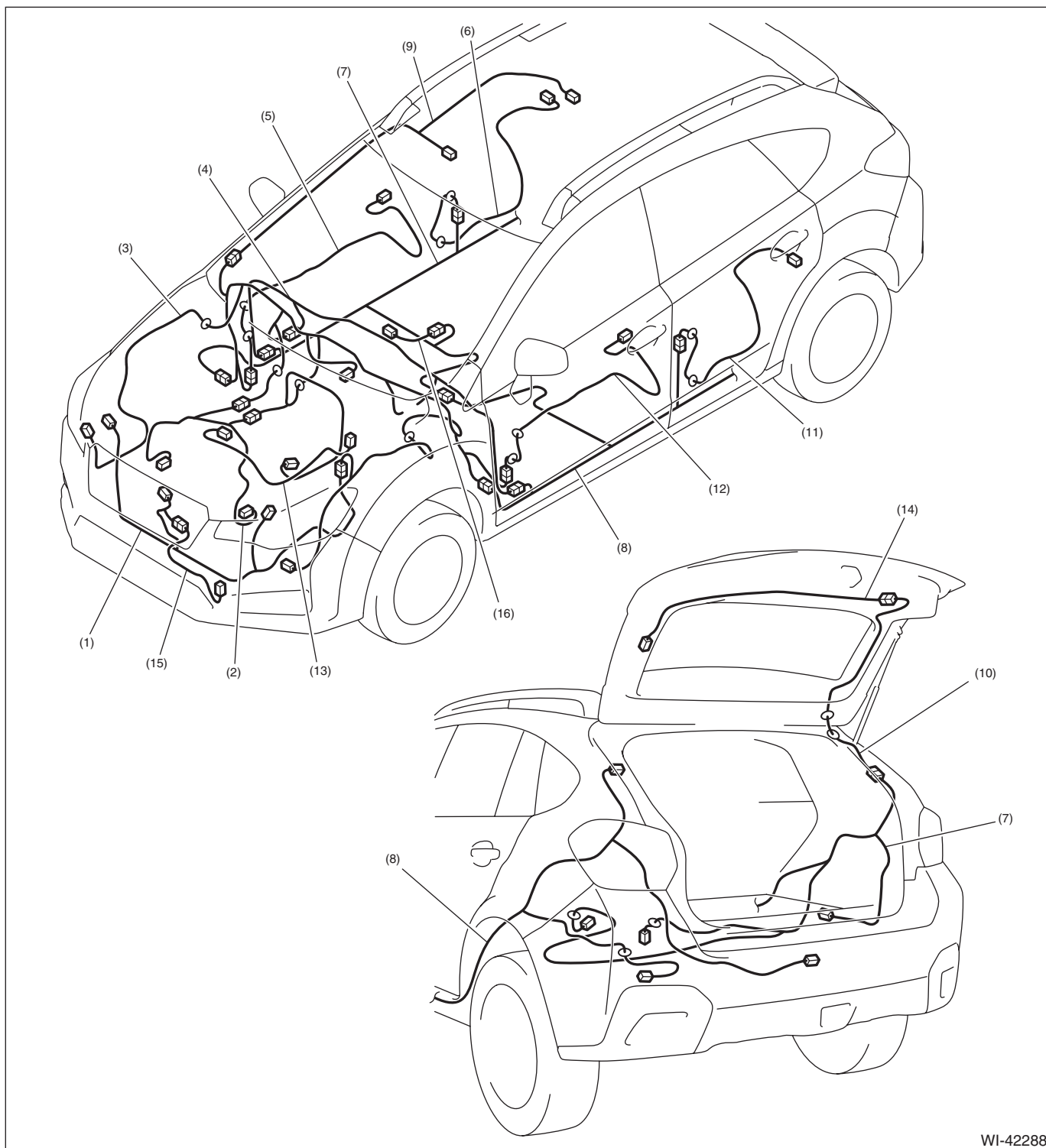
A: WIRING DIAGRAM



59. Harness Components Location

A: LOCATION

1. BODY HARNESS



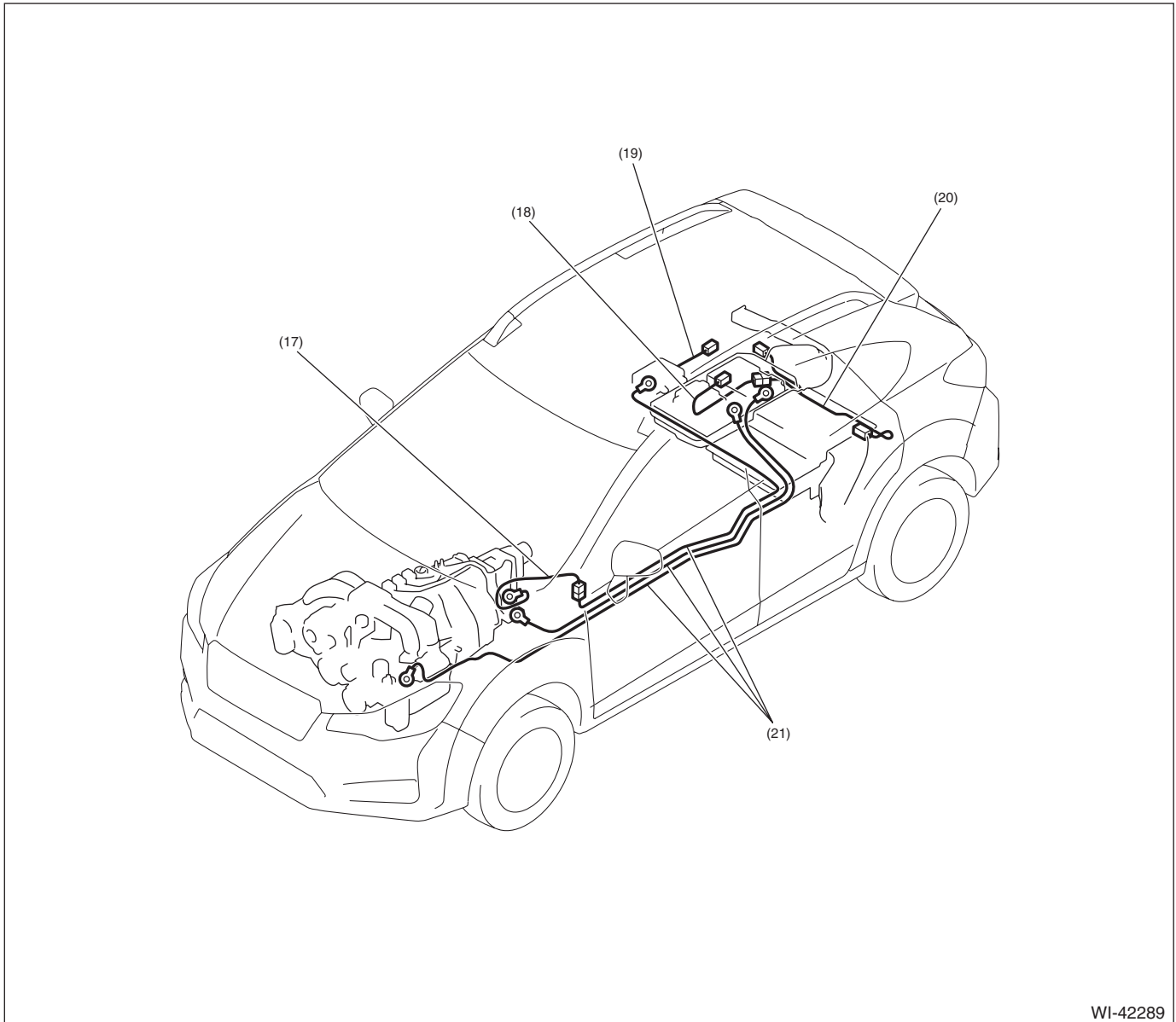
WI-42288

Harness Components Location

WIRING SYSTEM

(1) Front wiring harness	(7) Rear wiring harness RH	(13) Generator cord
(2) Engine wiring harness	(8) Rear wiring harness LH	(14) Rear gate cord (LWR)
(3) Bulkhead wiring harness	(9) Roof cord	(15) Active grille shutter adapter cord
(4) Instrument panel wiring harness	(10) Rear gate cord (UPR)	(16) Occupant detection harness
(5) Front door cord RH	(11) Rear door cord LH	
(6) Rear door cord RH	(12) Front door cord LH	

2. HYBRID HARNESS



(17) Electric oil pump harness	(19) Inverter harness	(21) Power cable
(18) Inverter harness	(20) Inverter harness	

Front Wiring Harness

WIRING SYSTEM

60.Front Wiring Harness

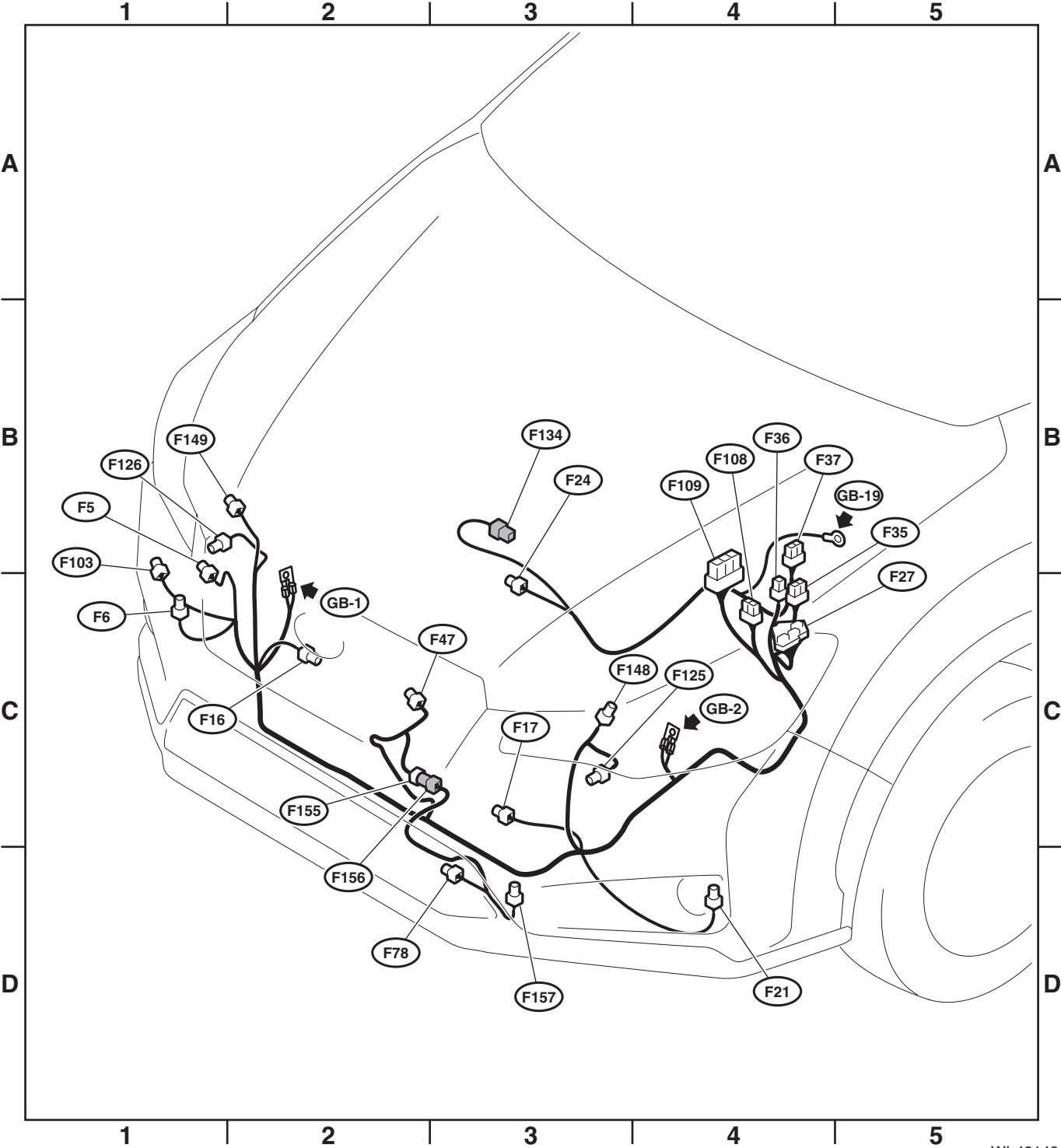
A: LOCATION

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-2		Sub fan motor
F17	2	★	C-3		Main fan motor
F21	2	★	D-4		Front fog light LH
F24	1	★	C-3		Magnet clutch
F27	26	★	C-4		Relay holder
F35	12	Blue	C-4		M/B
F36	7	★	C-4		
F37	20	★	B-4		
F47	1	Black	C-2		Horn
F78	2	Black	D-3		Ambient sensor
F103	2	Gray	C-1		Daytime running light resistor
F108	18	Gray	C-4	B361	Through joint connector
F109	24	★	B-4	B360	
F125	8	Light gray	C-3		Front combination light LH
F126	8	Light gray	B-1		Front combination light RH
F134	2	Dark gray	B-3		Brake vacuum pump
F148	2	★	C-3		High beam LH
F149	2	★	B-1		High beam RH
F155	6	Black	C-2	F156	Active grille shutter adapter cord
F156	6	Black	C-2	F155	Front wiring harness
F157	4	Black	D-3		Active grille shutter

★ : White or natural color

Front Wiring Harness

WIRING SYSTEM



WI-48142

Bulkhead Wiring Harness (In Engine Compartment) RH

WIRING SYSTEM

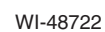
61.Bulkhead Wiring Harness (In Engine Compartment) RH

A: LOCATION

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
B3	5	Black	C-4		Mass air flow and intake air temperature sensor
B6	2	Light gray	C-3		Front ABS wheel speed sensor RH
B11	12	Light gray	C-4	T4	Transmission cord
B12	16	Brown	C-4	T3	
B14	1	Black	C-5		Starter motor
B21	54	Black	C-4	E2	Engine wiring harness
B22	16	Brown	C-3	E3	
B164	2	Black	D-1		Keyless buzzer
B177	2	Gray	B-4		Wiper deicer
B310	38	★	B-2		VDC CM
B321	2	Black	C-2		Hood switch
B450	10	Black	C-3		Power steering CM
B451	6	Gray	C-3		Torque sensor
B452	2	Black	B-3		Power steering CM
B597	2	Light gray	D-1		Pedestrian alert speaker
B598	2	Black	C-2		12V engine restart battery sensor
B599	4	Black	C-2		12V battery relay
B603	20	Gray	C-4	T32	Transmission cord
B609	1	Gray	C-2	B610	Generator cord
B610	1	Gray	C-2	B609	Bulkhead wiring harness
★ : White or natural color					

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
AB16	2	Yellow	D-1		Front sub sensor RH

WIRING SYSTEM



Bulkhead Wiring Harness (In Engine Compartment) LH

WIRING SYSTEM

62.Bulkhead Wiring Harness (In Engine Compartment) LH

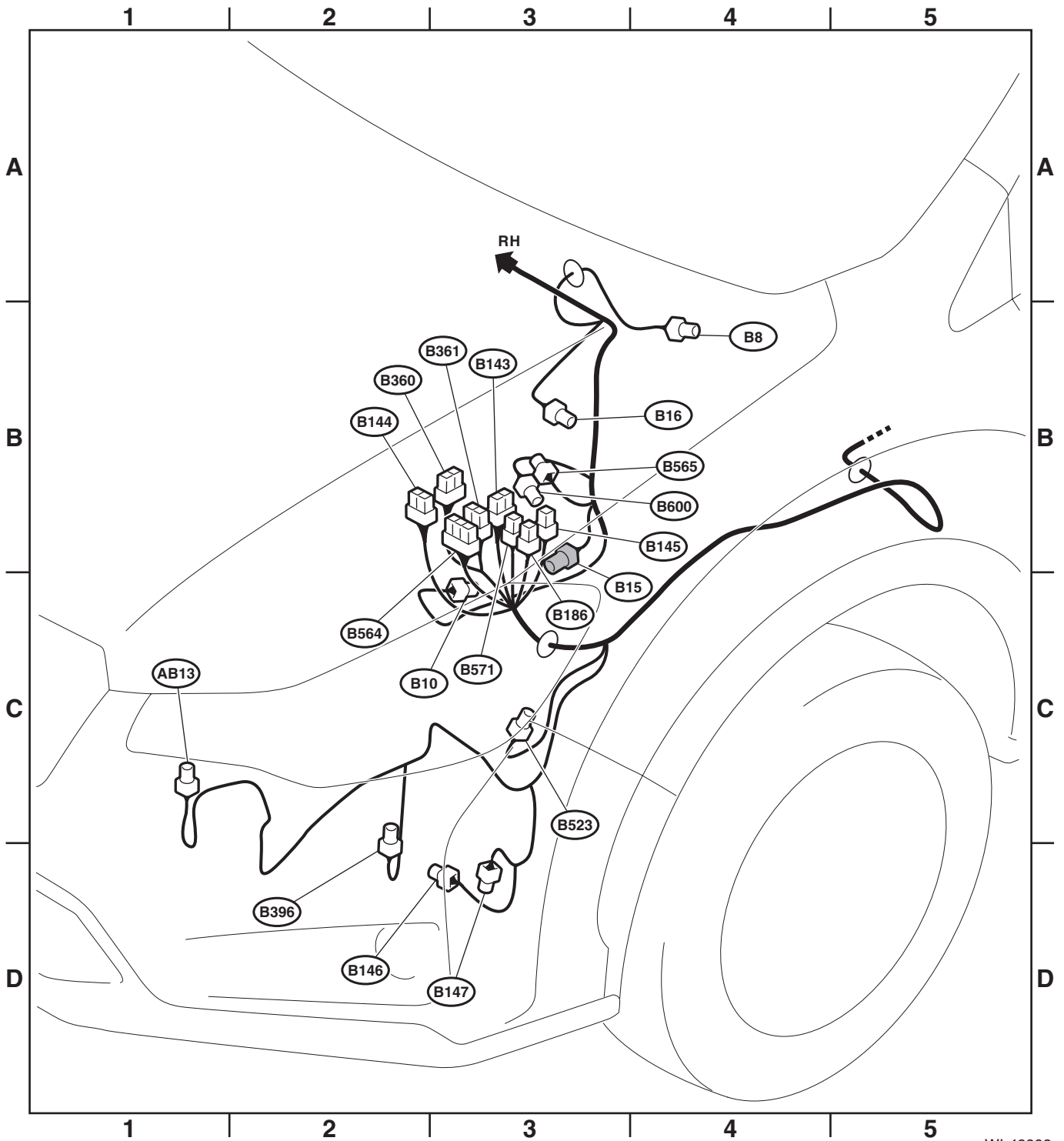
A: LOCATION

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
B8	5	Light gray	B-4		Front wiper motor
B10	4	Light gray	C-3		Pressure switch
B15	2	Light gray	B-3		Front ABS wheel speed sensor LH
B16	2	Gray	B-3		Brake fluid level switch
B143	20	★	B-3		M/B
B144	9	Brown	B-2		
B145	7	Brown	B-3		
B146	2	Black	D-3		Front washer motor
B147	2	Gray	D-3		Rear washer motor
B186	8	★	B-3		M/B
B360	16	Gray	B-3	F109	Through joint connector
B361	14	Gray	B-3	F108	
B396	2	Brown	D-2		Washer fluid level sensor
B523	2	Light gray	C-3		Battery temperature sensor
B564	21	Black	B-3		Relay holder
B565	3	Black	B-3		Brake booster pressure sensor 1
B571	2	★	B-3		M/B
B600	3	Black	B-3		Brake booster pressure sensor 2
★ : White or natural color					

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

Bulkhead Wiring Harness (In Engine Compartment) LH

WIRING SYSTEM



WI-42292

Bulkhead Wiring Harness (In Compartment) RH

WIRING SYSTEM

63.Bulkhead Wiring Harness (In Compartment) RH

A: LOCATION

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
B30	8	Black	C-5	D1	Front door cord RH
B57	4	★	B-2		Power transistor
B83	6	★	B-3		J/C
B87	2	★	B-4		Blower motor
B88	2	Brown	B-2		Evaporator sensor
B90	20	★	A-5	R50	Roof cord
B97	20	★	C-5	R1	Rear wiring harness RH
B98	20	★	C-5	R2	
B116	8	★	D-2		AT select lever
B122	6	★	B-3		J/C
B134	34	★	B-3		ECM
B135	35	★	B-3		
B136	35	★	B-3		
B137	31	★	B-2		
B163	6	Black	B-4		Intake door actuator
B220	44	★	B-3		Relay holder
B239	6	★	B-2		Air mix door actuator (without left/right independent air conditioner)
					Air mix door actuator RH (with left/right independent air conditioner)
B358	2	★	D-2		AT select lever illumination
B386	4	★	B-4		Blower motor relay
B554	2	★	C-2		Heater core sensor
B556	2	★	D-2	AB65	Airbag wiring harness
B579	2	★	D-2		Keyless access interior antenna (front)
B583	12	★	C-3	i237	Instrument panel wiring harness RH
B584	20	★	C-3	i238	
B604	6	★	B-2		J/C
B605	26	★	B-2		HPCM
B606	24	★	B-2		HPCM
B608	5	Gray	C-2		Output clutch relay

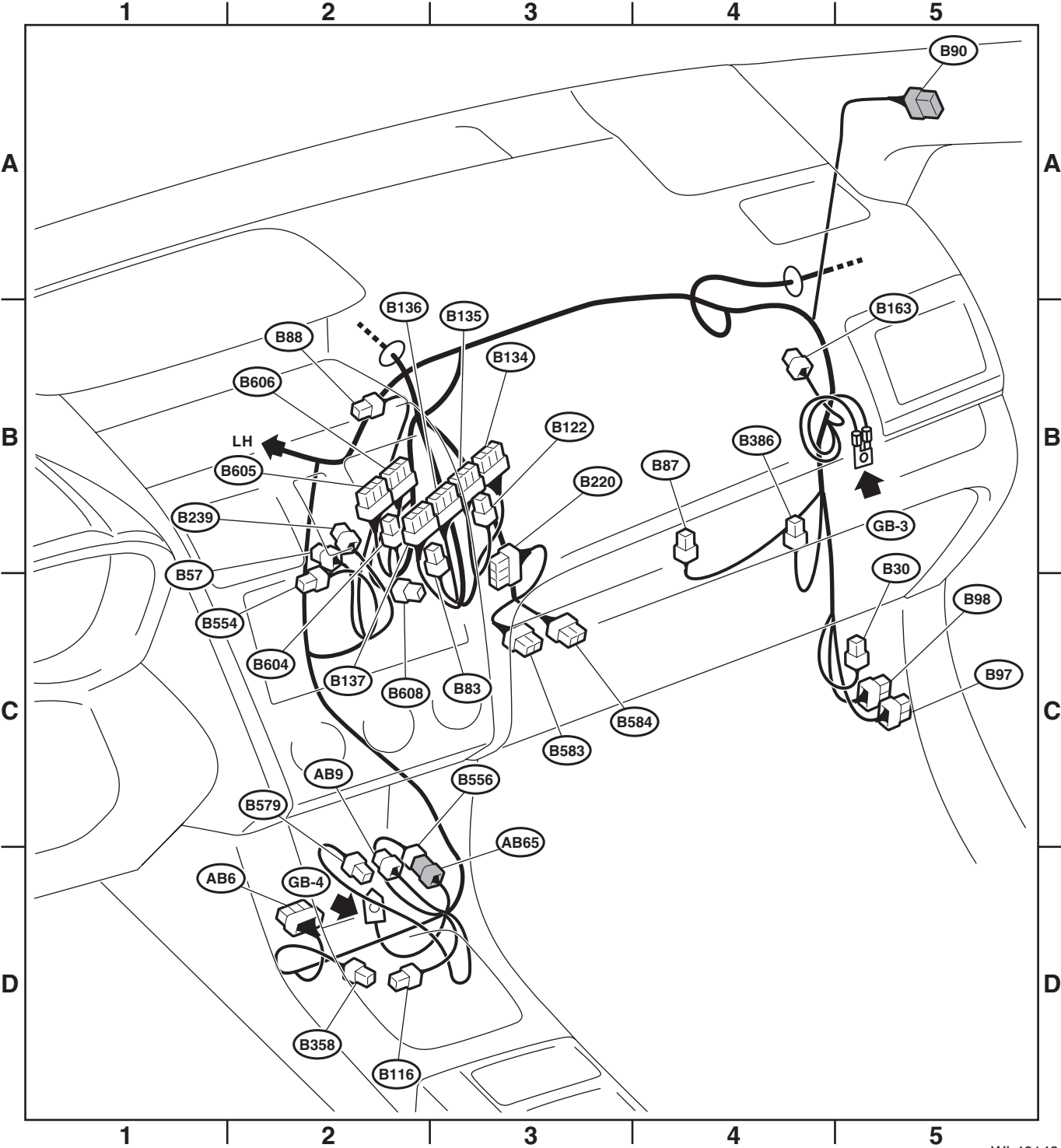
★ : White or natural color

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
AB6	30	Yellow	D-2		Airbag CM
AB9	4	Yellow	D-2		Passenger's airbag module
AB65	2	★	D-2	B556	Bulkhead wiring harness

★ : White or natural color

Bulkhead Wiring Harness (In Compartment) RH

WIRING SYSTEM



WI-48143

Bulkhead Wiring Harness (In Compartment) LH

WIRING SYSTEM

64.Bulkhead Wiring Harness (In Compartment) LH

A: LOCATION

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
B31	10	Gray	D-1	AB1	Airbag wiring harness
B32	8	★	B-3		Turn signal and hazard unit
B40	16	Black	C-1		Data link connector
B41	2	★	C-1		Power window circuit breaker
B52	24	★	C-2		F/B
B54	26	Green	B-2		TCM
B55	22	Green	B-2		
B65	4	Black	B-2		
B68	14	★	C-4		Roll connector
B70	10	★	B-4		Combination switch
B71	20	★	C-4		
B72	8	★	B-3		Ignition switch
B77	6	★	B-4		Mode door actuator
B92	20	★	D-1	R5	Rear wiring harness
B99	20	★	D-1	R3	Rear wiring harness LH
B101	8	Black	C-1	D11	Front door cord LH
B123	2	Black	D-1	B124	Key lock
B124	2	Black	C-1	B123	
B150	24	★	B-2		Auto headlight beam leveler CM
B152	10	Gray	C-2		F/B
B158	8	★	C-2		
B159	9	Brown	C-2		
B162	2	★	C-2		
B180	4	★	B-3		Remote engine start CM (without push button start)
	8	★	B-3		Remote engine start CM (with push button start)
B181	2	★	B-2	B182	Bulkhead wiring harness
B182	2	★	B-2	B181	
B225	44	★	B-1		Relay holder
B231	5	★	B-4		Steering angle sensor
B235	6	★	B-3		Air mix door actuator LH (with left/right independent air conditioner)
B280	34	★	B-1		Body integrated unit
B281	35	★	B-1		
B315	6	Black	B-3		Accelerator pedal position sensor
B367	8	★	C-2		Impact sensor
B415	7	Black	C-3		Immobilizer antenna
B422	5	★	A-5		ID code box
B424	7	Black	C-3		Steering lock CM
B426	4	Black	B-2		Accessory relay (with push button start)
B475	4	★	C-2		Wiper relay unit
B550	20	★	C-2		Fuse holder
B551	12	★	B-3	i229	Instrument panel wiring harness LH
B552	17	★	C-3	i230	
B553	20	★	C-3	i231	
B555	2	★	B-4		Key warning switch
B557	2	★	C-3		Key lock solenoid

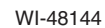
Bulkhead Wiring Harness (In Compartment) LH

WIRING SYSTEM

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
B558	7	★	B-4		Combination switch
B559	5	★	A-5		Security CM
B572	18	★	C-2		Keyless access CM
B573	28	★	B-2		
B574	30	★	B-2		
B575	22	★	B-1	B576	Bulkhead wiring harness
B576	22	★	B-1	B575	
B577	10	★	B-1	B578	
B578	10	★	B-1	B577	
B601	4	Black	B-2		Brake stroke sensor
B602	22	Black	B-2		Fuse holder
B607	14	Blue	C-1		J/C
★ : White or natural color					

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
AB1	10	Gray	D-1	B31	Bulkhead wiring harness
AB2	4	Yellow	C-4	AB7	Driver's airbag module
AB66	2	Black	C-3		Driver's knee airbag module

WIRING SYSTEM



65.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-4	B22	
E4	2	Blue	A-3		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	A-3		Engine coolant temperature sensor
E10	3	Black	B-4		Crankshaft position sensor
E11	1	—	B-3		Oil pressure switch
E14	2	Black	B-4		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-2		Front oxygen (A/F) sensor
E25	4	Black	B-2		Rear oxygen sensor
E31	3	Black	B-2		Ignition coil No. 1
E32	3	Black	C-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-4		Intake camshaft position sensor LH
E36	3	Light gray	B-1		Intake camshaft position sensor RH
E37	2	Black	C-4		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-3		Tumble generator valve actuator RH
E57	6	Black	B-4		Electronic throttle control
E62	3	Light gray	B-2		Exhaust camshaft position sensor RH
E63	2	Black	B-1		Exhaust oil control solenoid RH
E65	3	Light gray	C-4		Exhaust camshaft position sensor LH
E66	2	Black	C-4		Exhaust oil control solenoid LH
E75	2	Black	B-3		Engine oil temperature sensor
E130	1	★	C-3		Oil level switch
E163	5	Black	A-3		ISG

★ : White or natural color

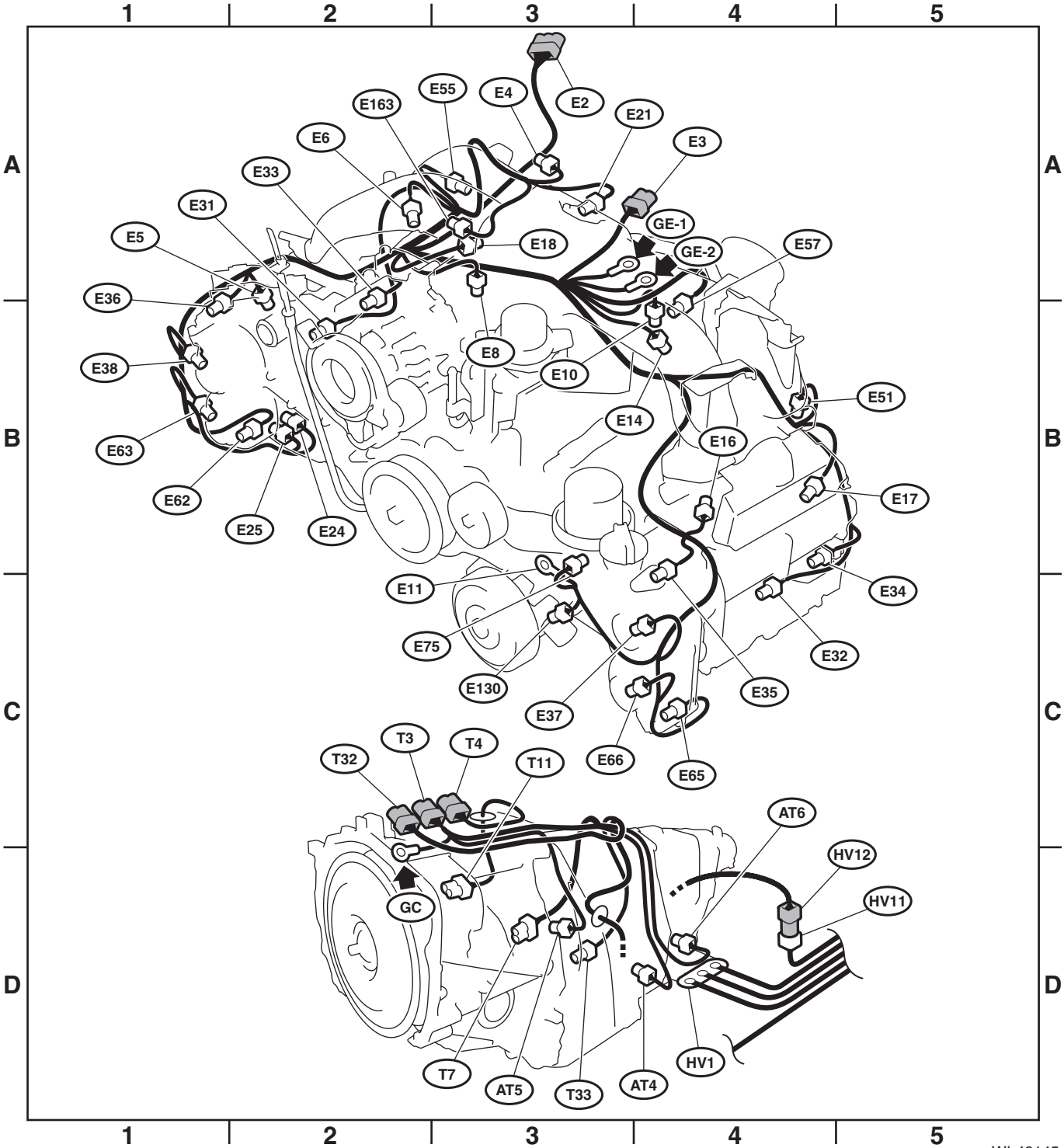
Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
T3	16	Brown	C-3	B12	Bulkhead wiring harness
T4	12	Light gray	C-3	B11	
T7	9	Black	D-3		Inhibitor switch
T11	10	★	D-3		Control valve body
T32	20	Gray	C-2	B603	Bulkhead wiring harness
T33	3	Black	D-3		Front wheel speed sensor
AT4	3	Dark gray	D-4		Secondary speed sensor
AT5	3	Light gray	D-3		Turbine speed sensor
AT6	3	Black	D-4		Secondary pressure sensor

Engine Wiring Harness and Transmission Cord

WIRING SYSTEM

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
HV1	—	—	D-4		Drive motor
HV11	3	Orange	D-4	HV12	Electric oil pump harness
HV12	3	Orange	D-4	HV11	Power cable

★ : White or natural color



WI-48145

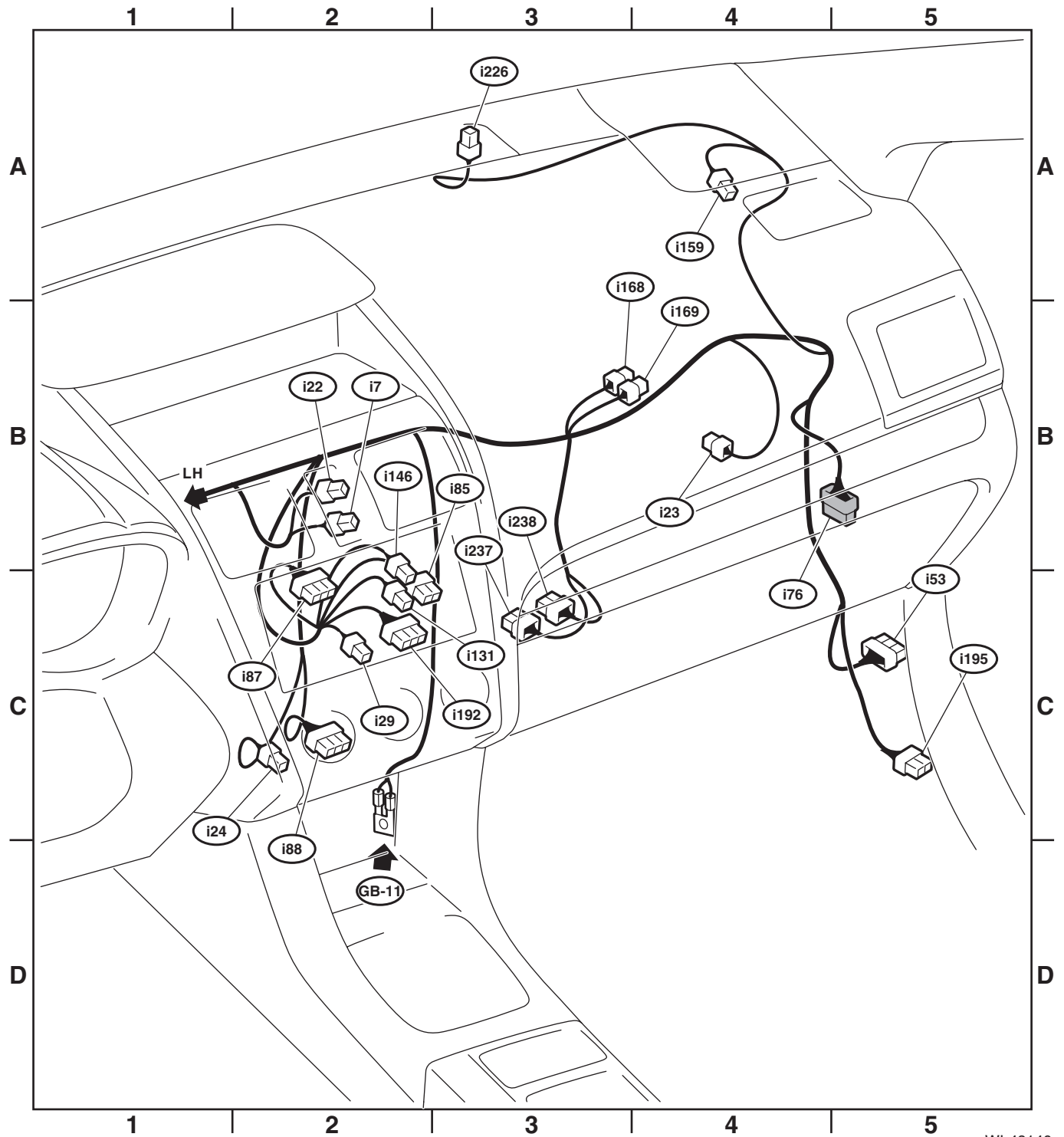
66.Instrument Panel Wiring Harness RH

A: LOCATION

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
i7	4	Gray	B-2		MFD switch
i22	4	★	B-2		Hazard switch
i23	2	★	B-4		Glove box light
i24	2	★	C-2		Front accessory power supply socket
i29	1	★	C-2		Audio bracket ground
i53	24	★	C-5	R98	Rear wiring harness RH
i76	28	★	B-5	D83	Front door cord RH
i85	10	★	C-2		Audio
	10	★	C-2		Navigation unit
i87	28	★	C-2		Navigation unit
i88	40	★	C-2		A/C control panel
i131	6	★	C-2		Audio
	6	★	C-2		Navigation unit
i146	5	★	B-2		Navigation unit
i159	4	★	A-4		Side tweeter RH
i168	4	★	B-3		J/C
i169	4	★	B-4		
i192	28	★	C-2		Audio
i195	10	★	C-5	R382	Rear wiring harness RH
i226	3	★	A-3		Light control sensor
i237	12	★	C-3	B583	Bulkhead wiring harness RH
i238	20	★	C-3	B584	
★ White or natural color					

Instrument Panel Wiring Harness RH

WIRING SYSTEM



WI-48146

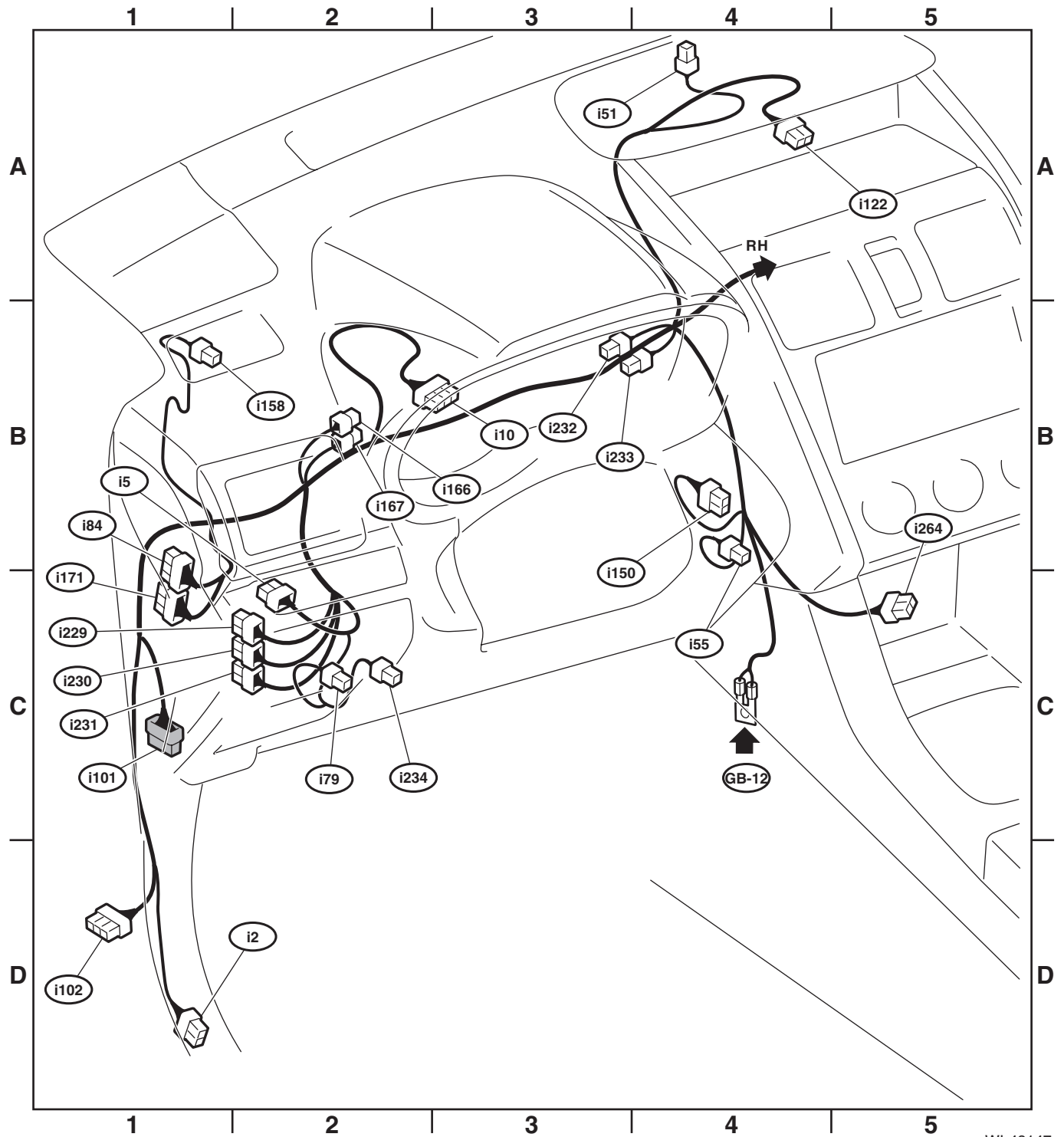
67.Instrument Panel Wiring Harness LH

A: LOCATION

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
i2	10	★	D-1	R339	Rear wiring harness LH
i5	20	★	C-2		F/B
i10	40	★	B-3		Combination meter
i51	2	★	A-4		Sunload sensor
i55	2	★	B-4		Temperature and humidity sensor
i79	6	★	C-2		Illumination control switch
i84	35	Black	B-1		Body integrated unit
i101	28	★	C-1	D84	Front door cord LH
i102	24	★	D-1	R167	Rear wiring harness LH
i122	12	Black	A-4		MFD
i150	14	★	B-4		Push button ignition switch (with push button start)
i158	4	★	B-1		Side tweeter LH
i166	4	★	B-2		J/C
i167	4	★	B-2		
i171	31	★	C-1		Body integrated unit
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
i264	12	★	C-5		Pedestrian alert CM
★ White or natural color					

Instrument Panel Wiring Harness LH

WIRING SYSTEM



WI-48147

68.Roof Cord**A: LOCATION**

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
R50	20	★	B-1	B90	Bulkhead wiring harness
R52	3	★	A-5		Room light
R55	8	★	B-4		Sunroof motor assembly
R56	2	★	B-4		Spot map light (with sunroof)
	6	★	B-4		Spot map light (without sunroof)
R62	6	★	B-4		Spot map light (with sunroof)
R64	3	★	B-3		Spot map light diode (with sunroof)
R128	5	★	B-4		Sunroof switch
R139	3	★	B-4		Rear view mirror
R187	5	Black	B-4		Sunroof switch (tilt)
★ : White or natural color					

Roof Cord

WIRING SYSTEM



69.Rear Wiring Harness RH

A: LOCATION

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
R1	20	★	C-1	B97	Bulkhead wiring harness
R2	20	★	C-2	B98	
R12	3	★	B-3		Front door switch RH
R13	8	★	B-3	D28	Rear door cord RH
R32	2	★	C-5		Rear accessory power supply socket
R43	8	★	C-4		Seat heater switch
R44	4	★	C-3		Seat heater RH
R82	19	Black	C-3	R81	Rear wiring harness LH
R98	24	★	C-1	i53	Instrument panel wiring harness
R124	2	Yellow	C-1	AB63	Front door cord RH
R284	8	★	C-5		AUX input terminal
R382	10	★	C-2	i195	Instrument panel wiring harness
★ : White or natural color					

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
AB18	24	Yellow	D-3		Airbag CM
AB24	4	Yellow	C-3		Side airbag module RH
AB26	2	Black	B-3		Pretensioner RH
AB28	4	Yellow	B-3		Side airbag sensor RH
AB30	2	Yellow	B-3		Lap seat belt pretensioner RH
AB53	3	Dark gray	C-4	AB59	Occupant detection harness
AB59	3	★	C-3	AB53	Rear wiring harness
AB60	2	Yellow	C-3		Buckle switch
AB61	10	Black	C-3		Occupant detection control module
★ : White or natural color					

Rear Wiring Harness RH

WIRING SYSTEM



WI-42299

70.Rear Wiring Harness LH

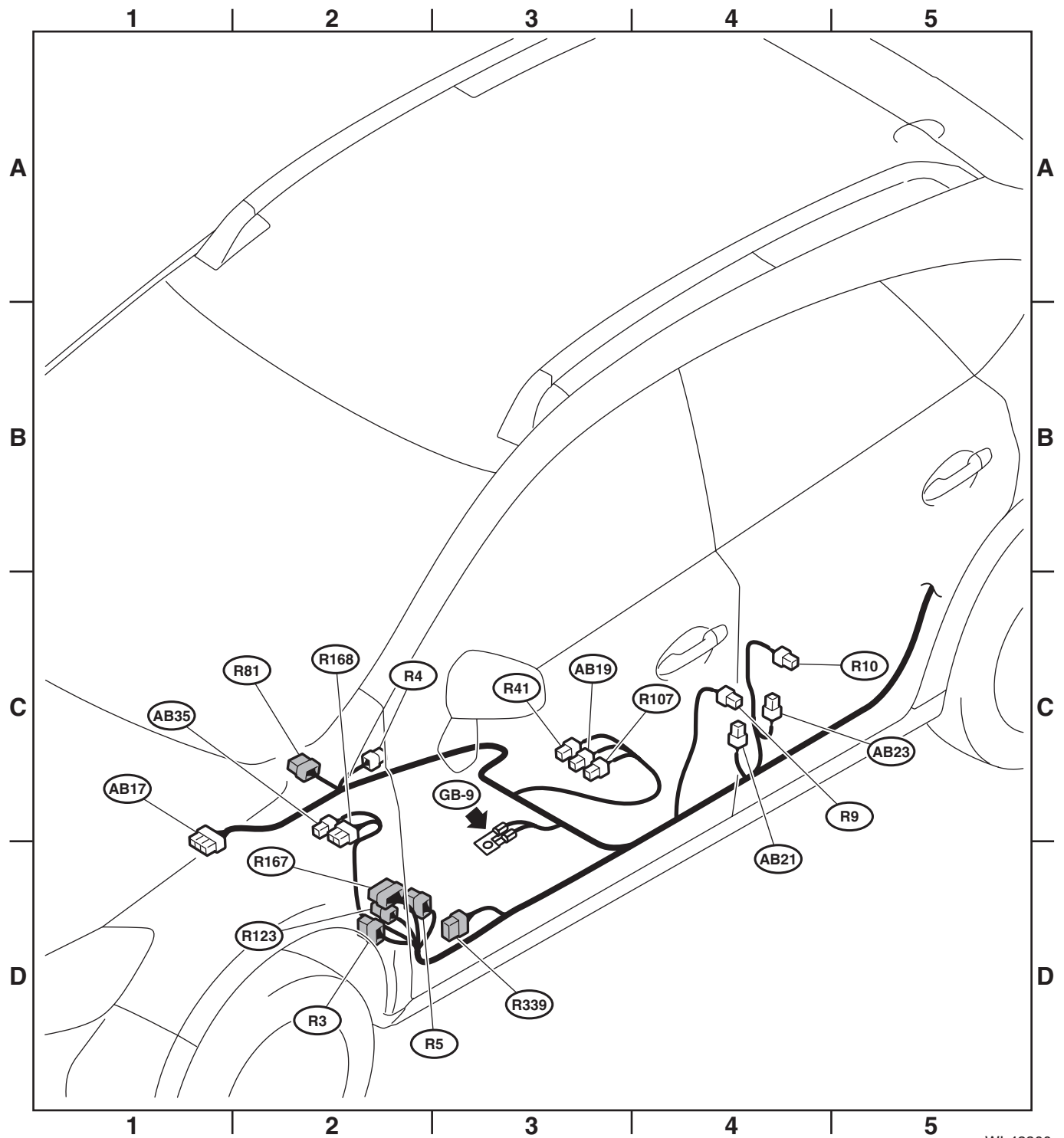
A: LOCATION

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
R3	20	★	D-2	B99	Bulkhead wiring harness
R4	1	Black	C-2		Parking brake switch
R5	20	★	D-2	B92	Bulkhead wiring harness
R9	3	★	C-4		Front door switch LH
R10	8	★	C-4	D22	Rear door cord LH
R41	4	★	C-3		Seat heater LH
R81	19	Black	C-2	R82	Rear wiring harness RH
R107	2	★	C-3		Seat belt switch LH
R123	2	Yellow	D-2	AB62	Front door cord LH
R167	24	★	D-2	i102	Instrument panel wiring harness
R168	20	★	C-2		F/B
R339	10	★	D-3	i2	Instrument panel wiring harness
★ : White or natural color					

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
AB17	24	Yellow	D-1		Airbag CM
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
AB35	2	Black	C-2		F/B

Rear Wiring Harness LH

WIRING SYSTEM



WI-42300

71.Rear Wiring Harness (HEV)

A: LOCATION

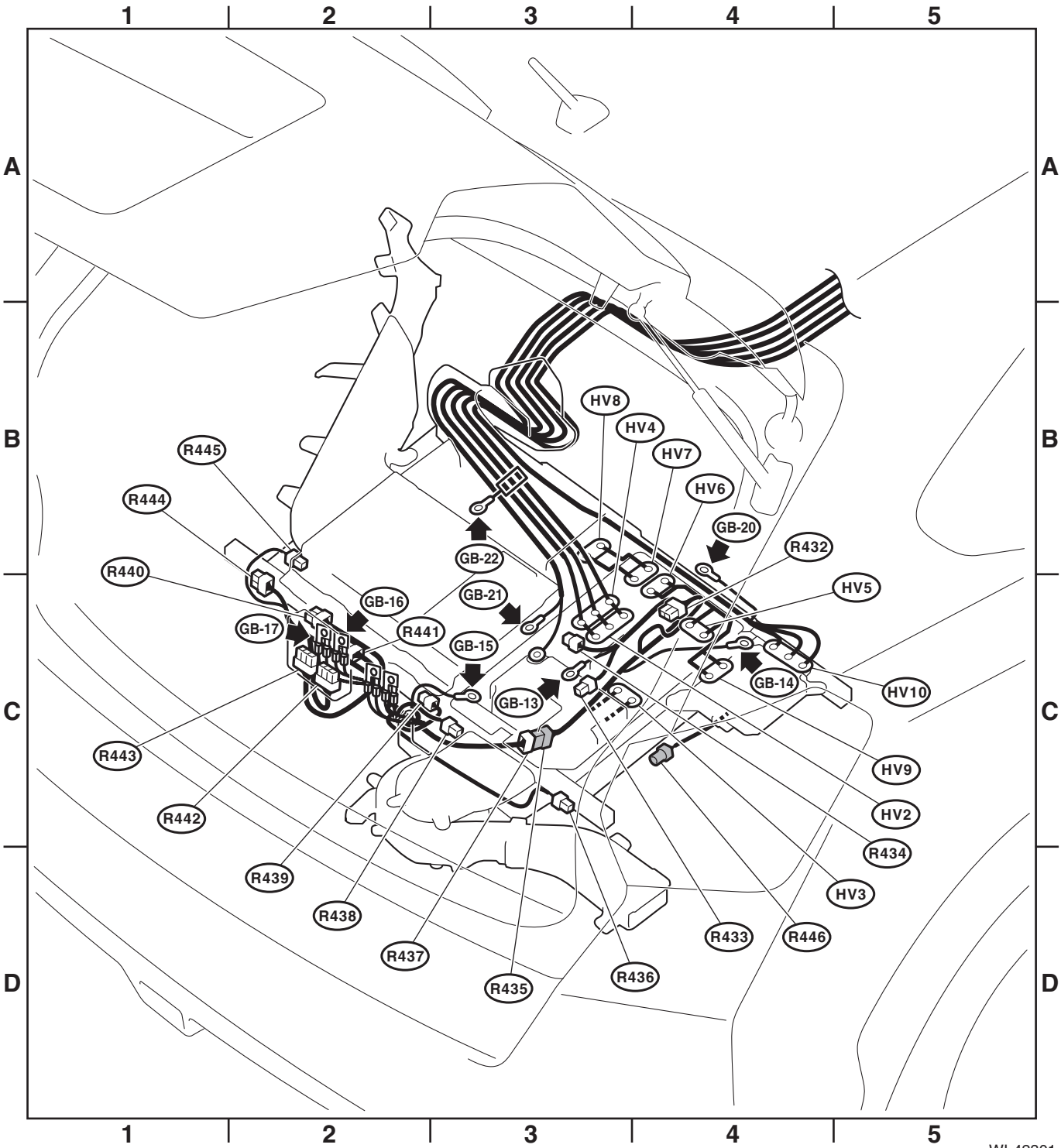
Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
R432	12	Gray	C-4		Drive motor inverter
R433	4	Black	C-3		DC/DC converter
R434	8	Black	C-3		Drive motor inverter amperage sensor
R435	19	Black	C-3	R437	Inverter harness
R436	8	★	C-3	R454	Rear wiring harness
R437	19	Black	C-3	R435	Inverter harness
R438	4	★	C-3		High voltage battery cooling fan
R439	3	★	C-2		Keyless access interior antenna (rear)
R440	12	★	C-2		Relay holder
R441	10	Blue	C-2		J/C
R442	22	Green	C-2		DMCM
R443	26	Green	C-2		
R444	14	★	C-2	R459	Rear wiring harness
R445	8	★	B-2		High voltage battery
R446	4	★	C-4	R455	Rear wiring harness

★ : White or natural color

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
HV2	—	—	C-3		Drive motor inverter
HV3	—	—	C-3		
HV4	—	—	C-3		Drive motor inverter amperage sensor
HV5	—	—	C-4		Drive motor inverter
HV6	—	—	C-4		Electric noise filter
HV7	—	—	B-4		
HV8	—	—	B-3		High voltage battery
HV9	—	—	C-4		Electric oil pump inverter
HV10	—	—	C-4		

Rear Wiring Harness (HEV)

WIRING SYSTEM



WI-42301

72. Door Cord RH

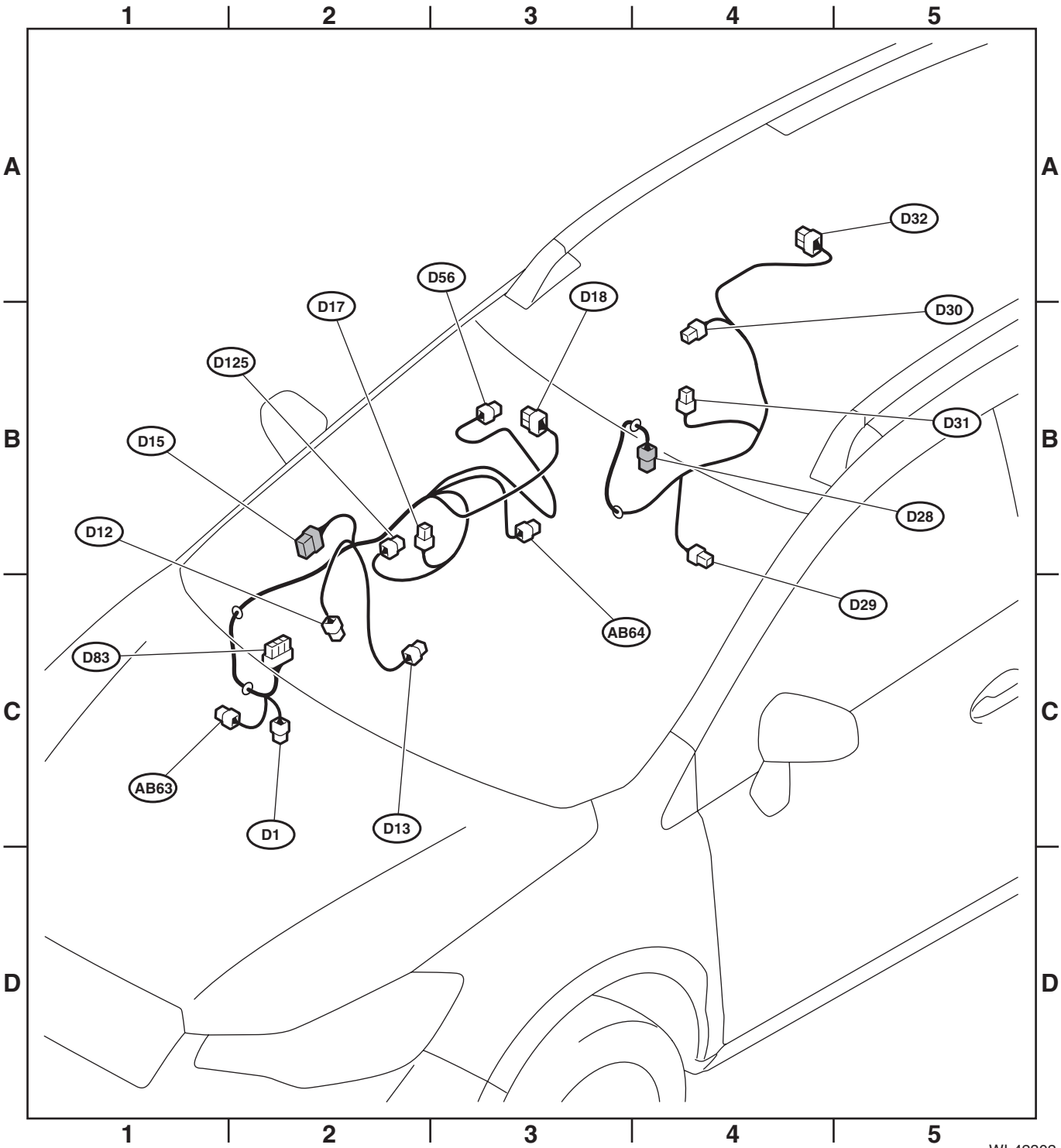
A: LOCATION

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
D1	8	Black	C-2	B30	Bulkhead wiring harness
D12	2	★	C-2		Front door speaker RH
D13	6	Dark gray	C-2		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
D28	8	★	B-4	R13	Rear wiring harness RH
D29	2	★	B-4		Rear door speaker RH
D30	6	Dark gray	B-4		Rear power window motor RH
D31	8	★	B-4		Rear power window sub-switch RH
D32	10	★	A-4		Rear door lock actuator RH
D56	6	★	B-3		Outer handle RH
D83	28	★	C-2	i76	Instrument panel wiring harness
D125	5	★	B-2		Passenger's seat door lock switch
★ : White or natural color					

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

Door Cord RH

WIRING SYSTEM



WI-42302

73.Door Cord LH

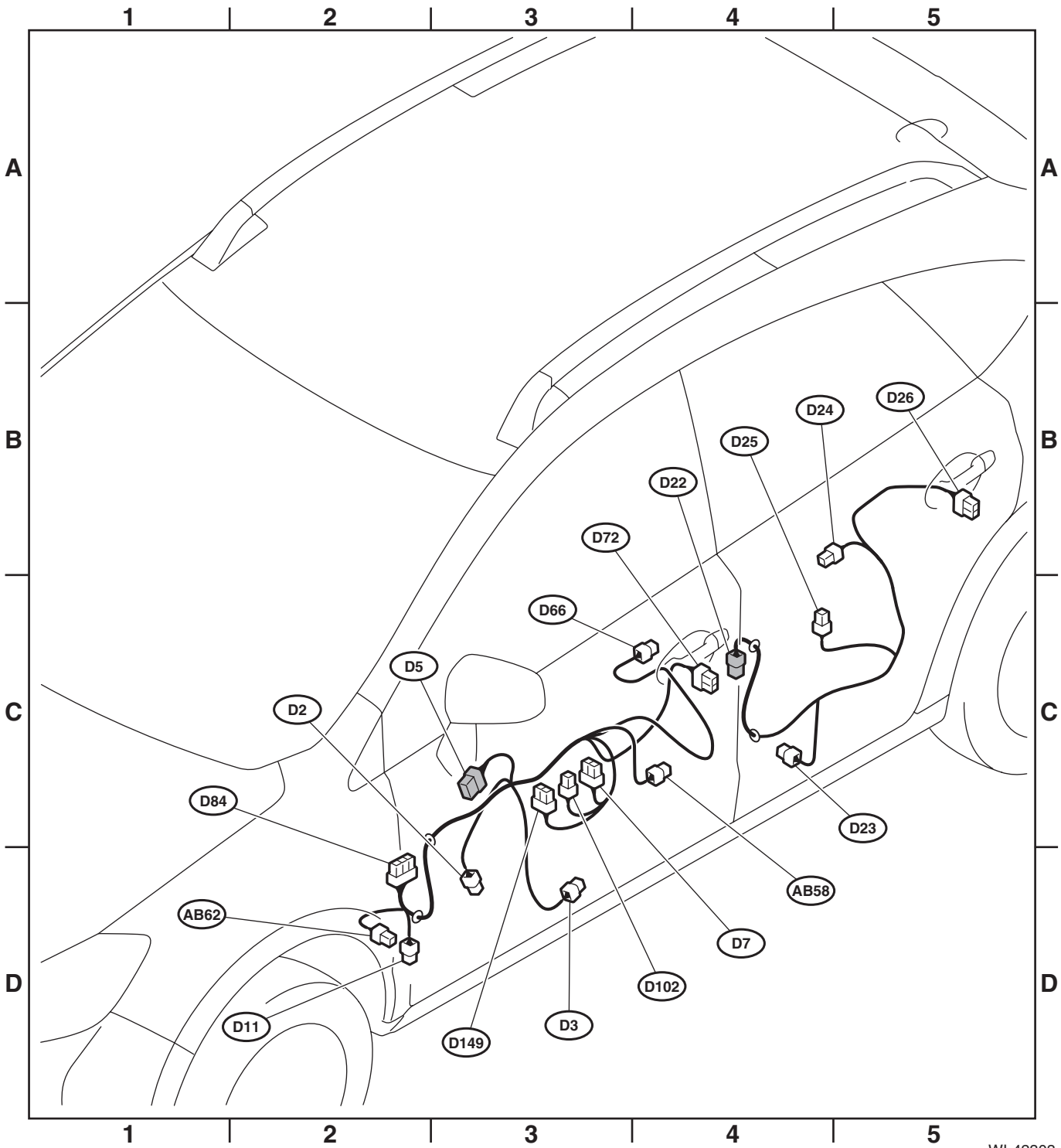
A: LOCATION

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
D2	2	★	D-3		Front door speaker LH
D3	6	Dark gray	D-3		Front power window motor LH
D5	10	★	C-3		Outer mirror assembly LH
D7	16	★	C-3		Power window main switch
D11	8	Black	D-2	B101	Bulkhead wiring harness
D22	8	★	C-4	R10	Rear wiring harness LH
D23	2	★	C-4		Rear door speaker LH
D24	6	Dark gray	B-5		Rear power window motor LH
D25	8	★	C-4		Rear power window sub-switch LH
D26	10	★	B-5		Rear door lock actuator LH
D66	6	★	C-4		Outer handle LH
D72	10	★	C-4		Front door lock actuator LH
D84	28	★	D-2	i101	Instrument panel wiring harness
D102	3	★	C-3		Power window main switch
D149	16	★	C-3		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	D-2	R123	Rear wiring harness LH

Door Cord LH

WIRING SYSTEM



WI-42303

74.Rear Wiring Harness and Rear Gate Cord

A: LOCATION

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
R16	3	★	C-4		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-2		Rear combination light LH
R29	3	Black	C-2		Rear vehicle height sensor
R38	8	★	B-4	D34	Rear gate cord
R39	14	Gray	B-4	D35	
R58	4	Gray	C-2		Fuel pump assembly
R59	2	★	C-2		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	★	B-2		Keyless entry CM
R97	1	★	B-2		Antenna feeder cord
R141	2	Light gray	C-2		Luggage room light
R211	12	★	B-2		TPMS CM
R296	5	★	B-2		Receiver (with push button start)
R298	3	★	C-3		Keyless access interior antenna (center)
R299	6	★	C-4		Keyless access exterior antenna (rear)
R400	8	Gray	C-2		ELCM
R454	8	★	C-4	R436	Inverter harness
R455	4	★	C-4	R446	Electric oil pump inverter
R456	4	★	C-4		J/C
R457	4	★	C-4		
R459	14	★	C-2	R444	Inverter harness

★ : White or natural color

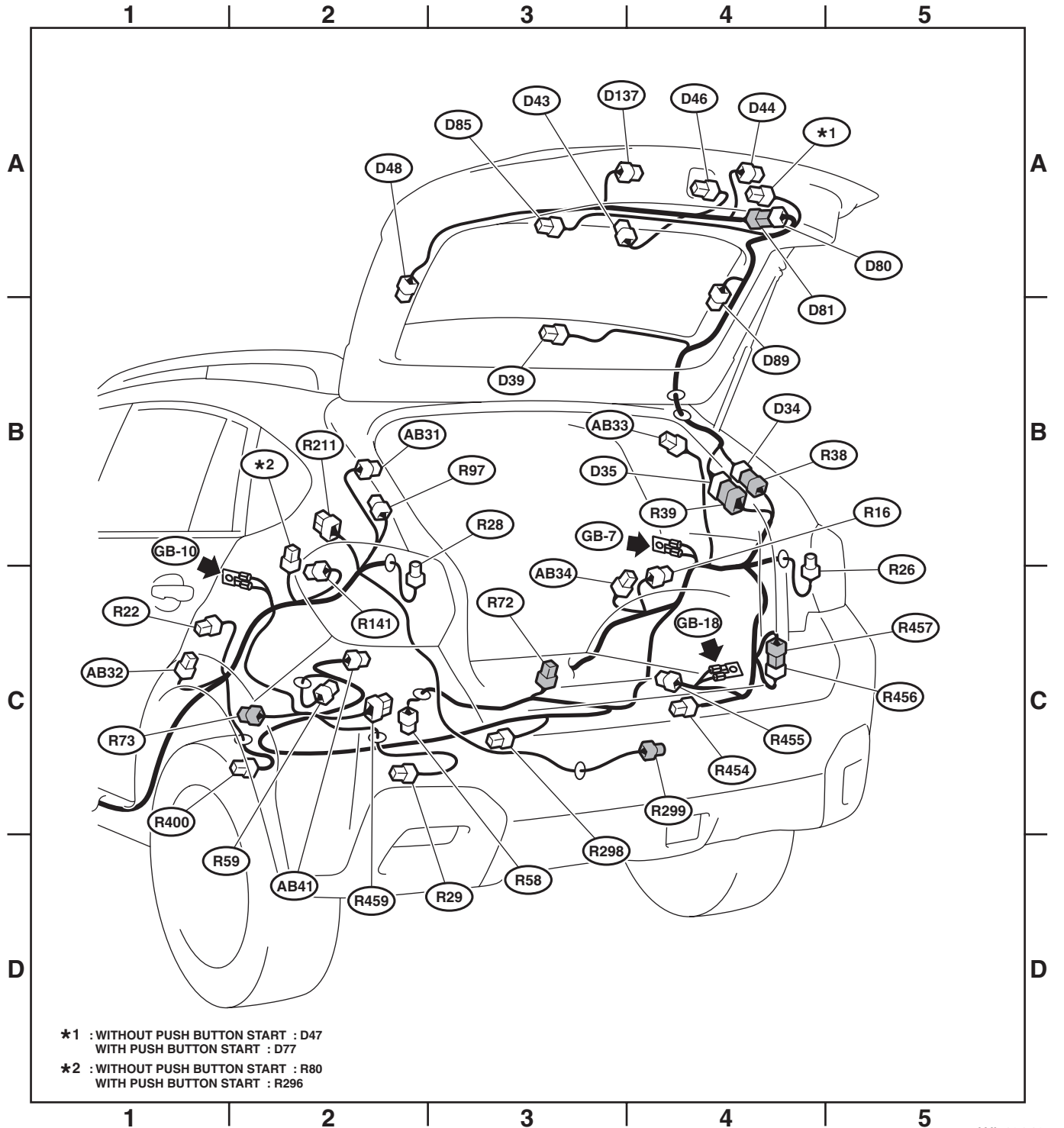
Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
D34	8	★	B-4	R38	Rear wiring harness RH
D35	14	Gray	B-4	R39	
D39	2	★	B-3		High-mounted stop light
D43	4	★	A-4		Rear wiper motor
D44	2	★	A-4		License plate light RH
D46	4	★	A-4		Rear gate lock actuator & latch switch
D47	2	Brown	A-4		Rear gate opener button
D48	1	Black	B-2		Rear defogger
D77	4	★	A-4		Rear lock button & rear gate opener button
D80	8	★	A-4	D81	Rear gate cord
D81	8	★	A-4	D80	
D85	4	★	A-3		Rearview camera
D89	1	Black	B-4		Rear defogger
D137	2	★	A-4		License plate light LH

★ : White or natural color

Rear Wiring Harness and Rear Gate Cord

WIRING SYSTEM

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



WI-48148

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.

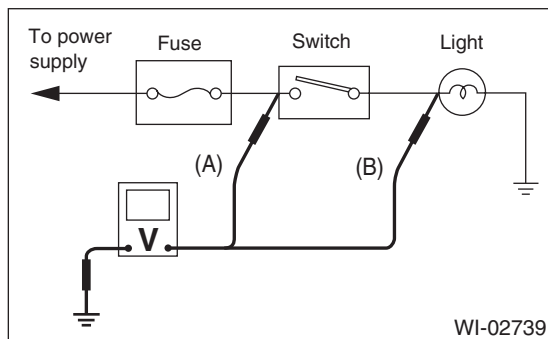
5. SYSTEM OPERATION CHECK

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.

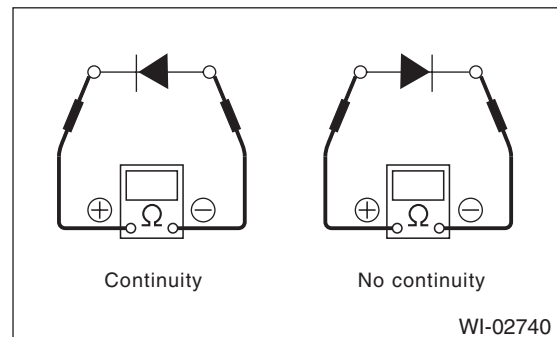
2. CIRCUIT CONTINUITY CHECKS

- 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	○ — ○	○ — ○				○ — ○

WI-02741

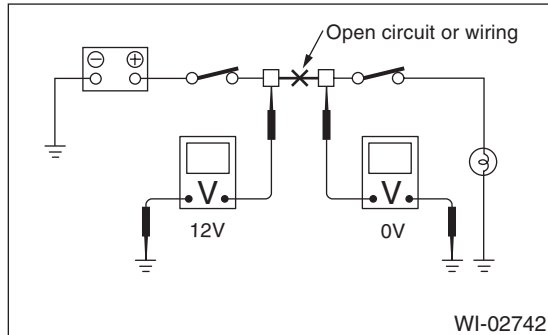
Basic Diagnostic Procedure

WIRING SYSTEM

3. HOW TO DETERMINE AN OPEN CIRCUIT

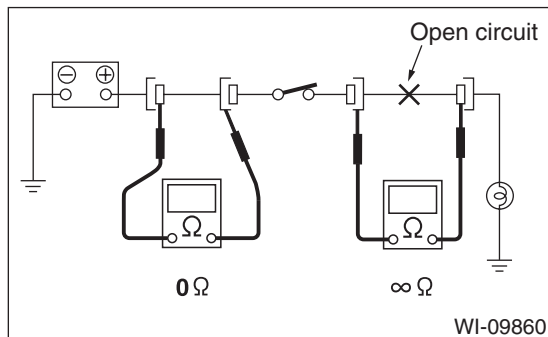
1) WITH VOLTMETER:

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:

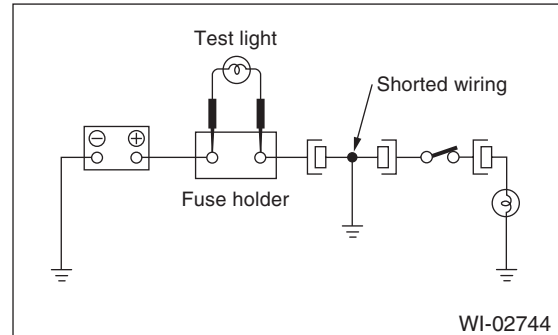
Disconnect all connectors affected, and check continuity in the wiring between adjacent connectors. When the ohmmeter indicates "infinite", the wiring is open.



4. HOW TO DETERMINE A SHORT CIRCUIT

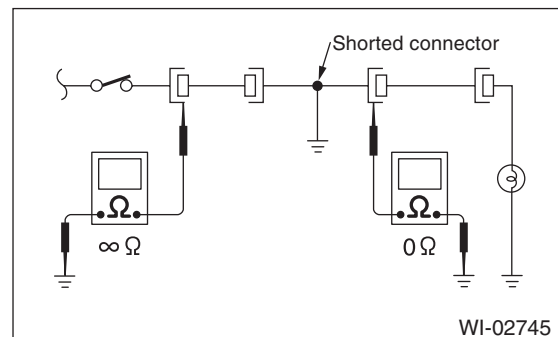
1) WITH TEST LIGHT:

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.



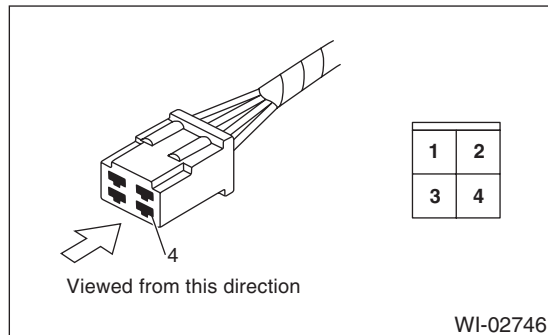
C: HOW TO READ WIRING DIAGRAMS

1. WIRING DIAGRAM

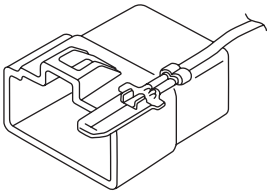
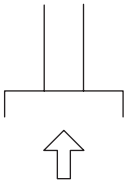
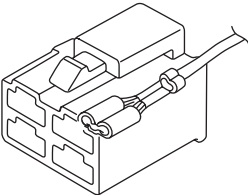
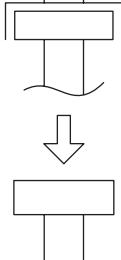
The wiring diagram of each system is illustrated so that you can understand the path through which the electric current flows from the battery.

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. <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									

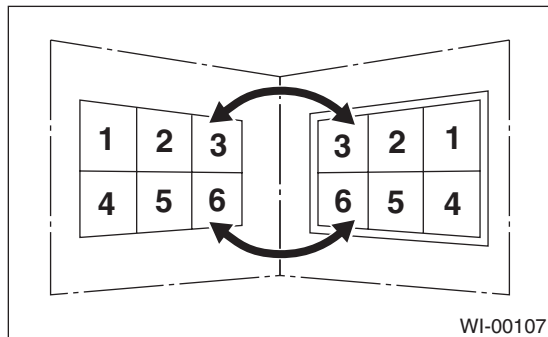
WI-02747

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.



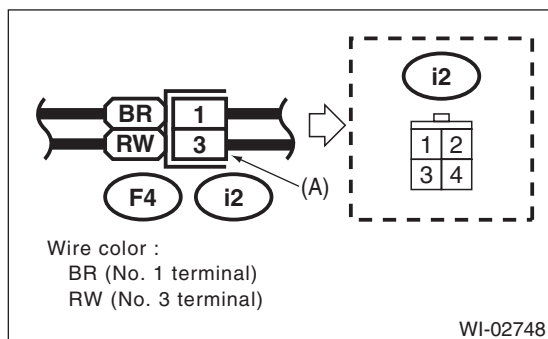
• WIRING DIAGRAM:

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

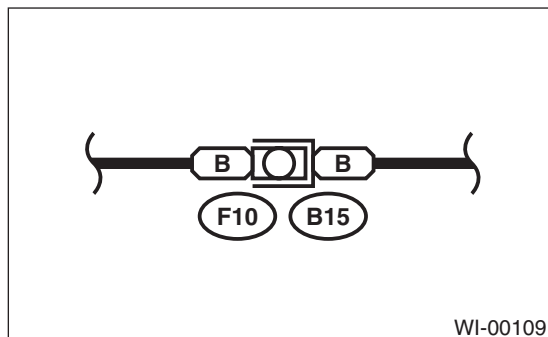
- The sketch of each connector in the wiring diagram usually shows the (A) side of the connector. The relationship between the wire color, terminal number and connector is described in the figure.

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.

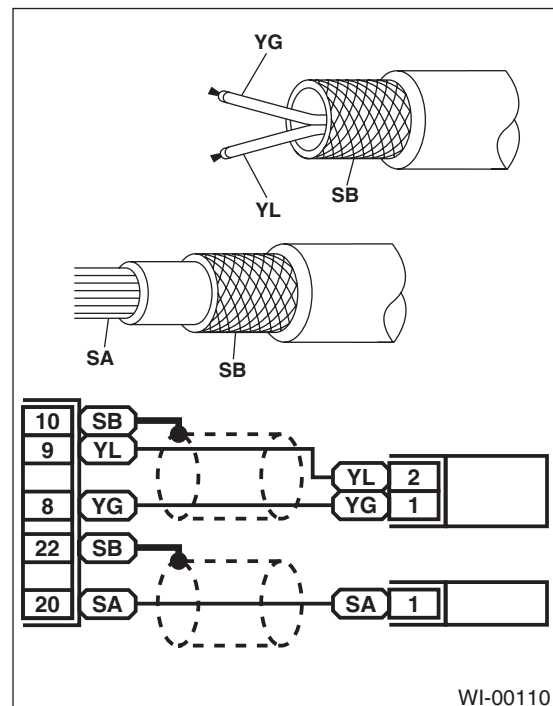


- In the wiring diagram, connectors which have no terminal number refer to one-pole types. Sketches of these connectors are omitted intentionally.

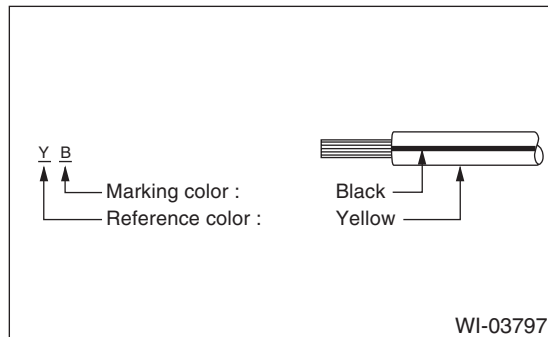


- The following color codes are used to indicate the colors of the wires.

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:

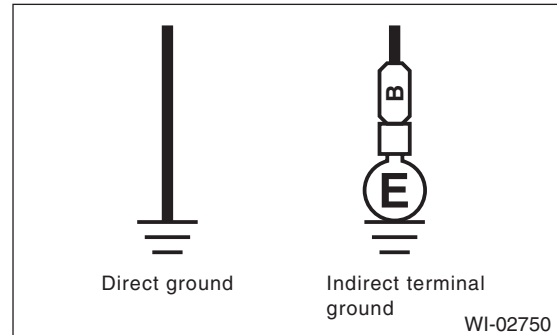
When replacing or repairing a wire, be sure to use the same size and type of the wire which was originally used.

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

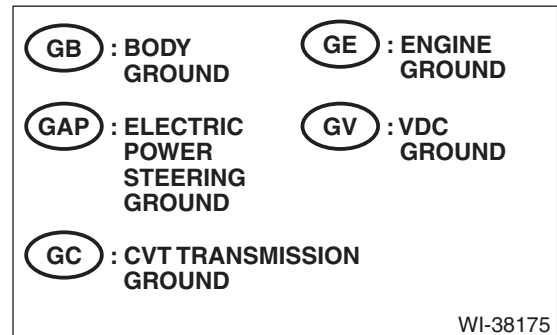
- Each unit is either directly grounded to the body or indirectly grounds through a harness ground terminal. Different symbols are used in the wiring diagram to identify the two grounding systems.



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

NOTE:

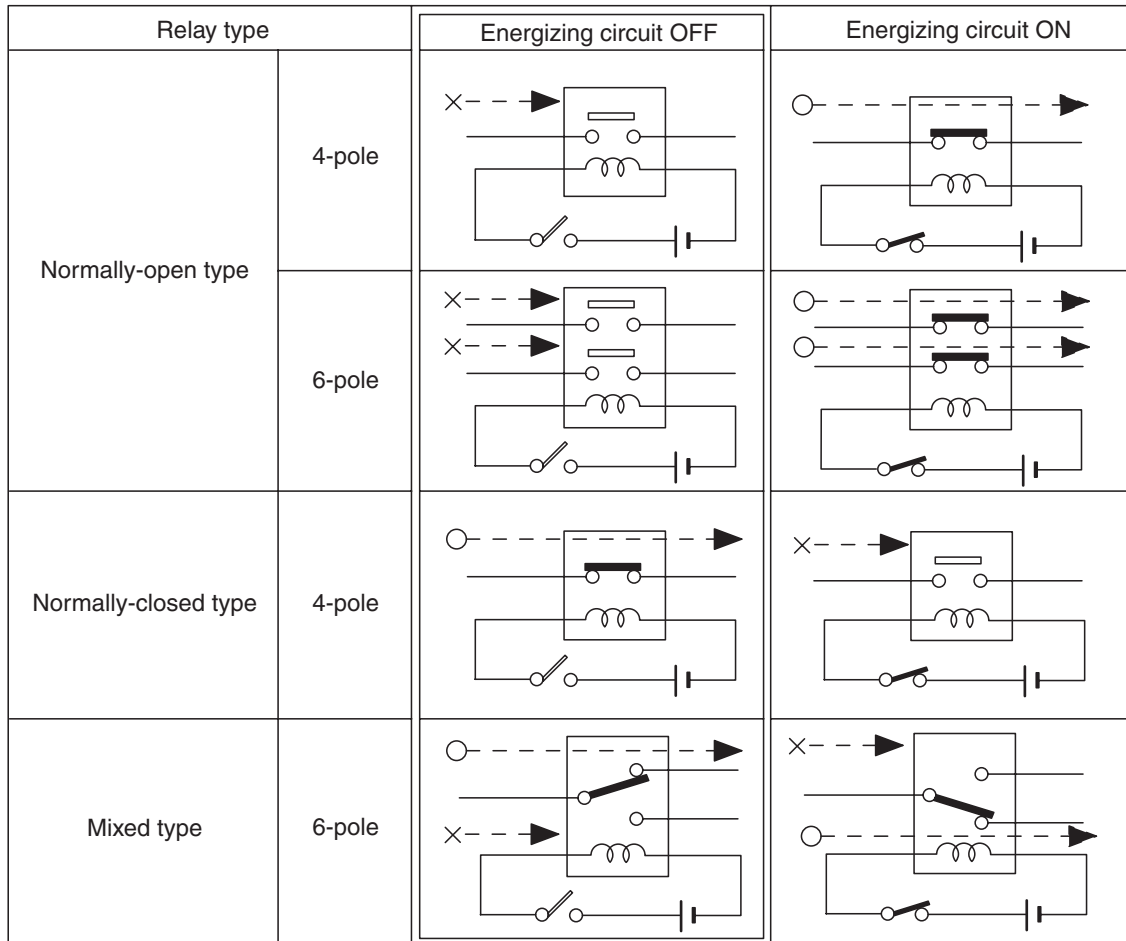
All wiring harnesses are provided with a ground point which must be securely connected.



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.



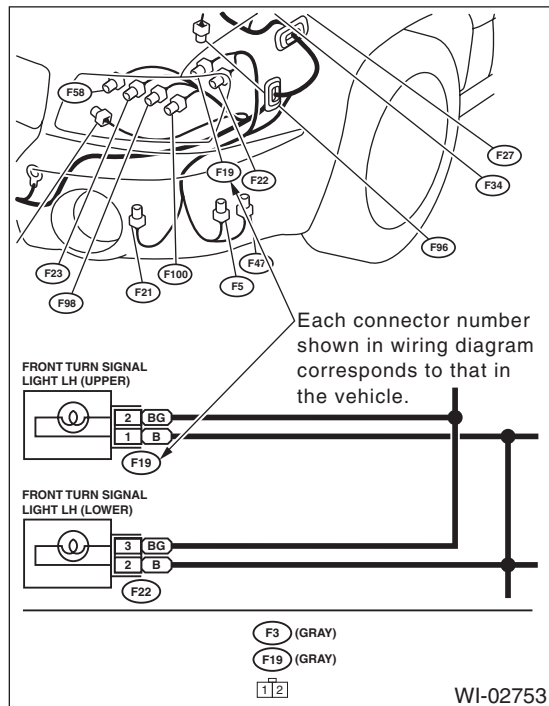
Key to symbols:

- —▶ : Current flows.
 × —▶ : Current does not flow.

WI-16724

- 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

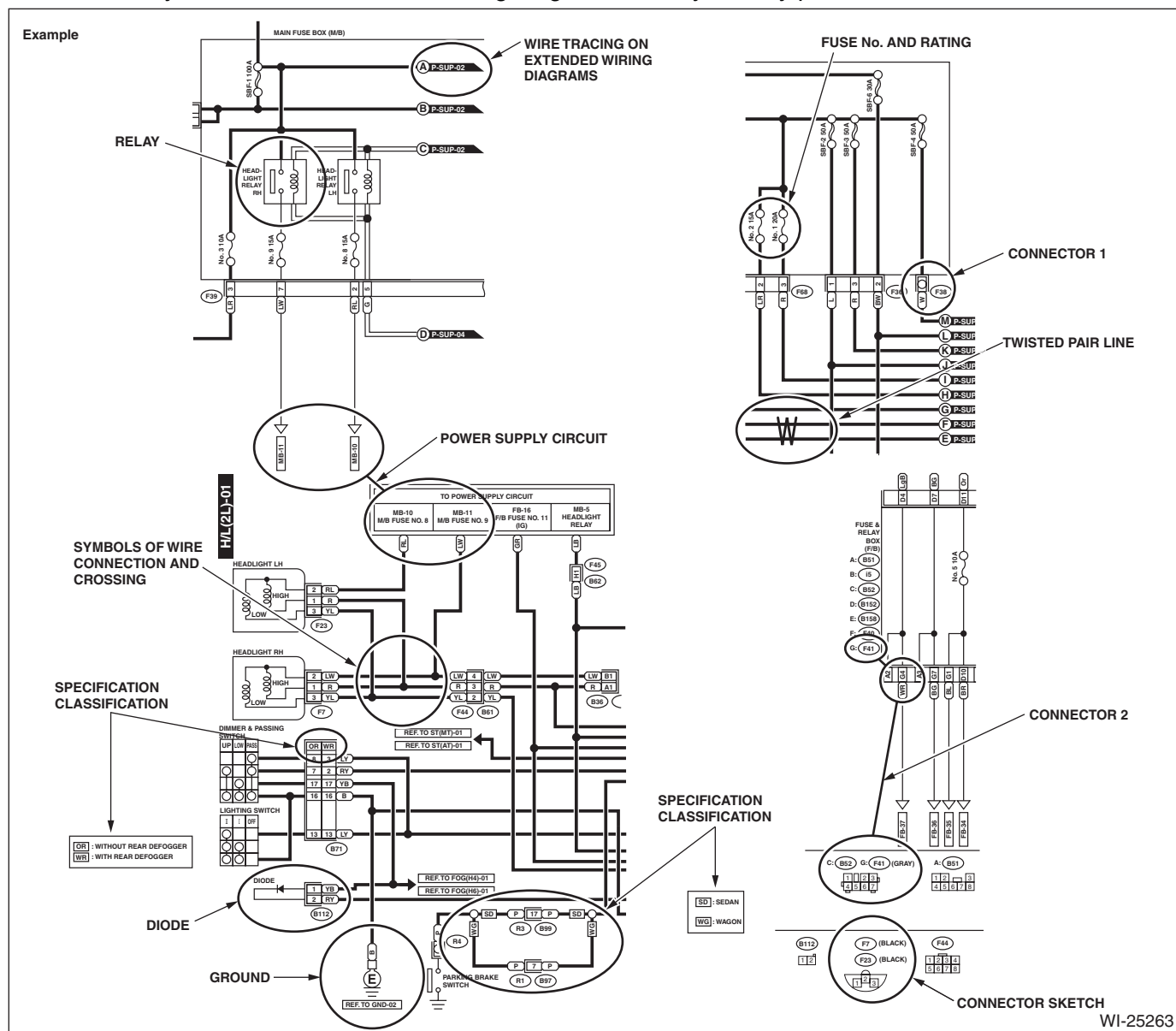


Basic Diagnostic Procedure

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 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

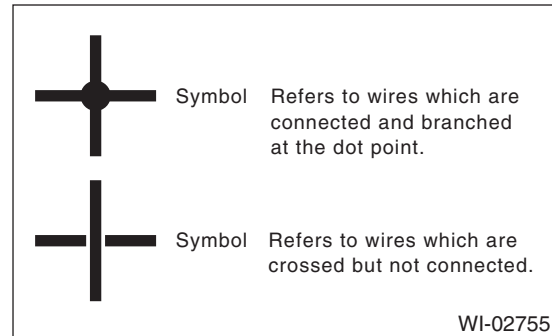
A symbol is used to indicate a diode.

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.

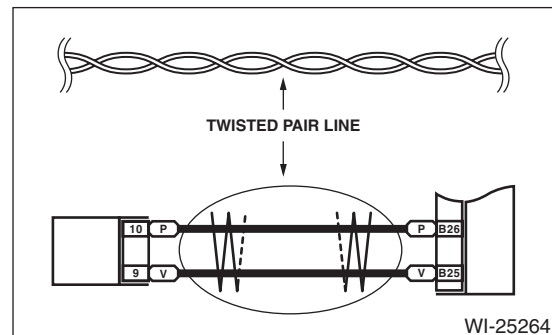
Accordingly, using the "DC POWER SUPPLY CIRCUIT" and wiring diagrams permits service personnel to understand the entire electrical arrangement of a system.

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.

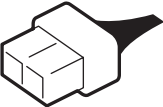
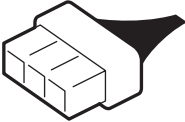
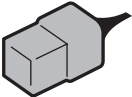
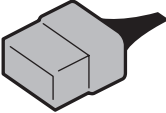
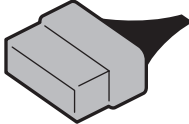


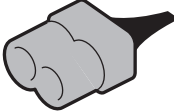
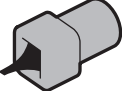
Basic Diagnostic Procedure

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		
		
		

WI-02756

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
ISO	International Organization for Standardization
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

Abbr.	Full name
RH	Right Hand
RL	Rear Left
RR	Rear Right
SBF	Slow Blow Fuse
SRF	Steering responsive fog light
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

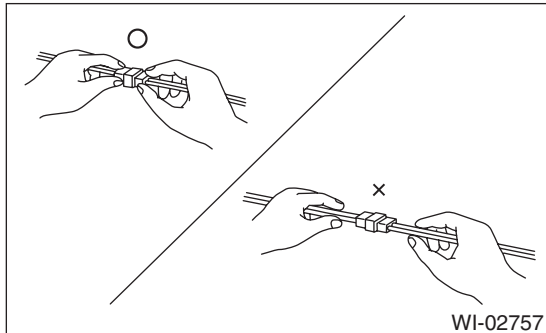
2. Working Precautions

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

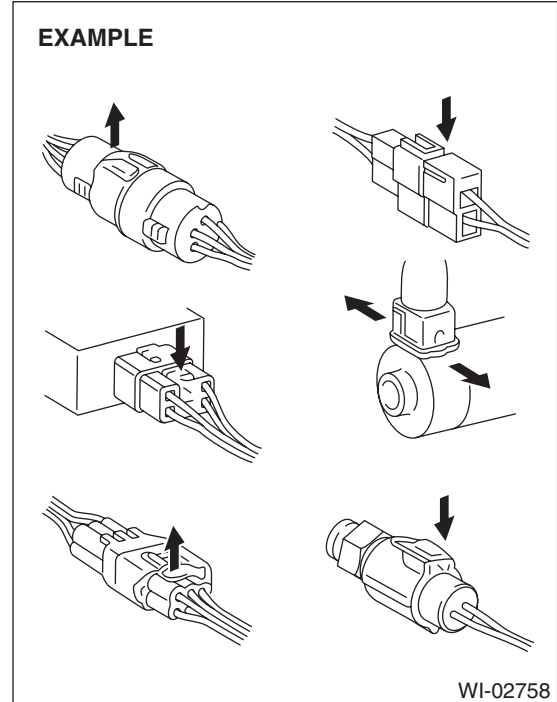
- 1) When working under a vehicle which is jacked-up, always be sure to use rigid rack.
- 2) The parking brake must always be applied during working. Also, in automatic transmission vehicles, keep the select lever set to the P (Parking) range.
- 3) Be sure the workshop is properly ventilated when running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

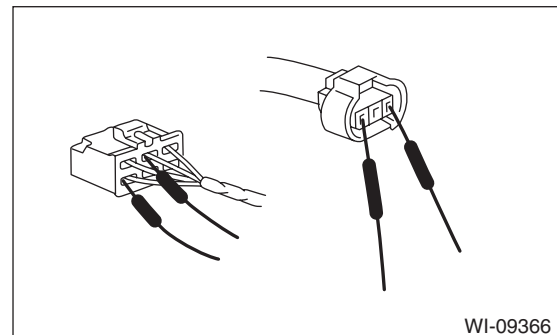


- 5) Some connectors are provided with a lock. One type of such a connector is disconnected by pushing the lock, and the other, by moving the lock up. In either type the lock shape must be identified before attempting to disconnect the connector. To connect, insert the connector until it snaps and confirm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



- 6) When checking continuity between connector terminals, or measuring voltage across the terminal and ground, always 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.



7) When measuring the voltage or resistance of individual sensor or all electrical control modules, use a tapered pin with a diameter of 0.6 mm (0.024 in) or less and touch it to the tip of terminal. Never insert the tapered pin into the terminal at this time. Doing so may cause internal deformation and a malfunction can occur.

8) Sensors, relays, electrical unit, etc., are sensitive to strong impacts.

Handle them with care so that they are not dropped or mishandled.

Power Supply Circuit

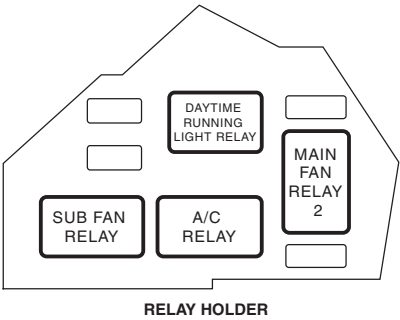
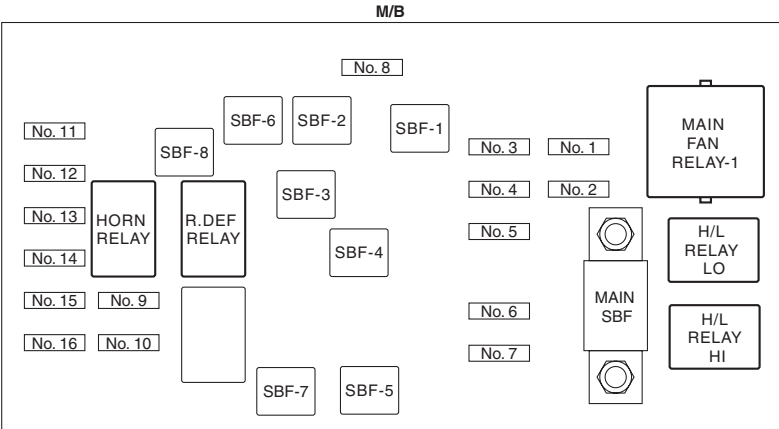
WIRING SYSTEM

3. Power Supply Circuit

A: WIRING DIAGRAM

1. WITHOUT PUSH BUTTON START

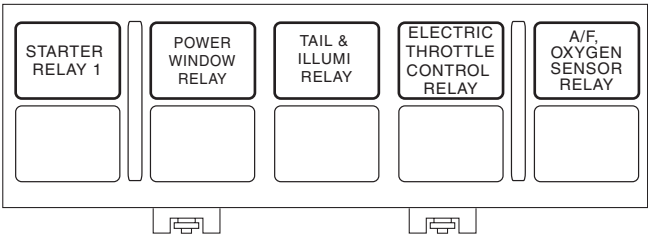
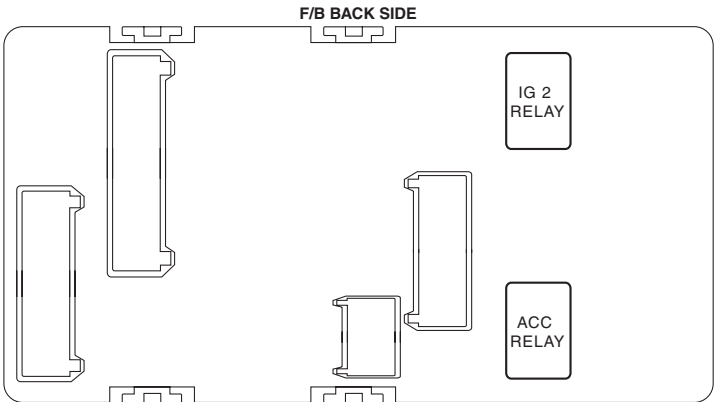
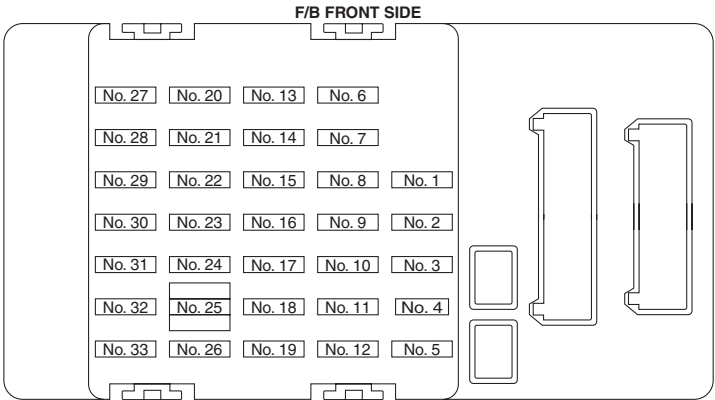
- Engine room side



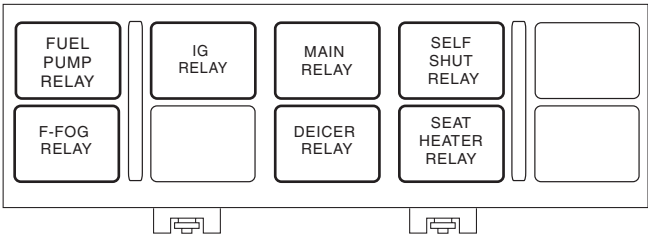
• Passenger room side

P-SUP-02

P-SUP-02



RELAY HOLDER

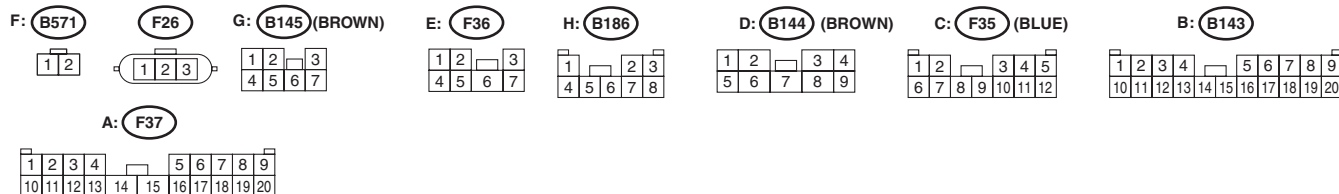
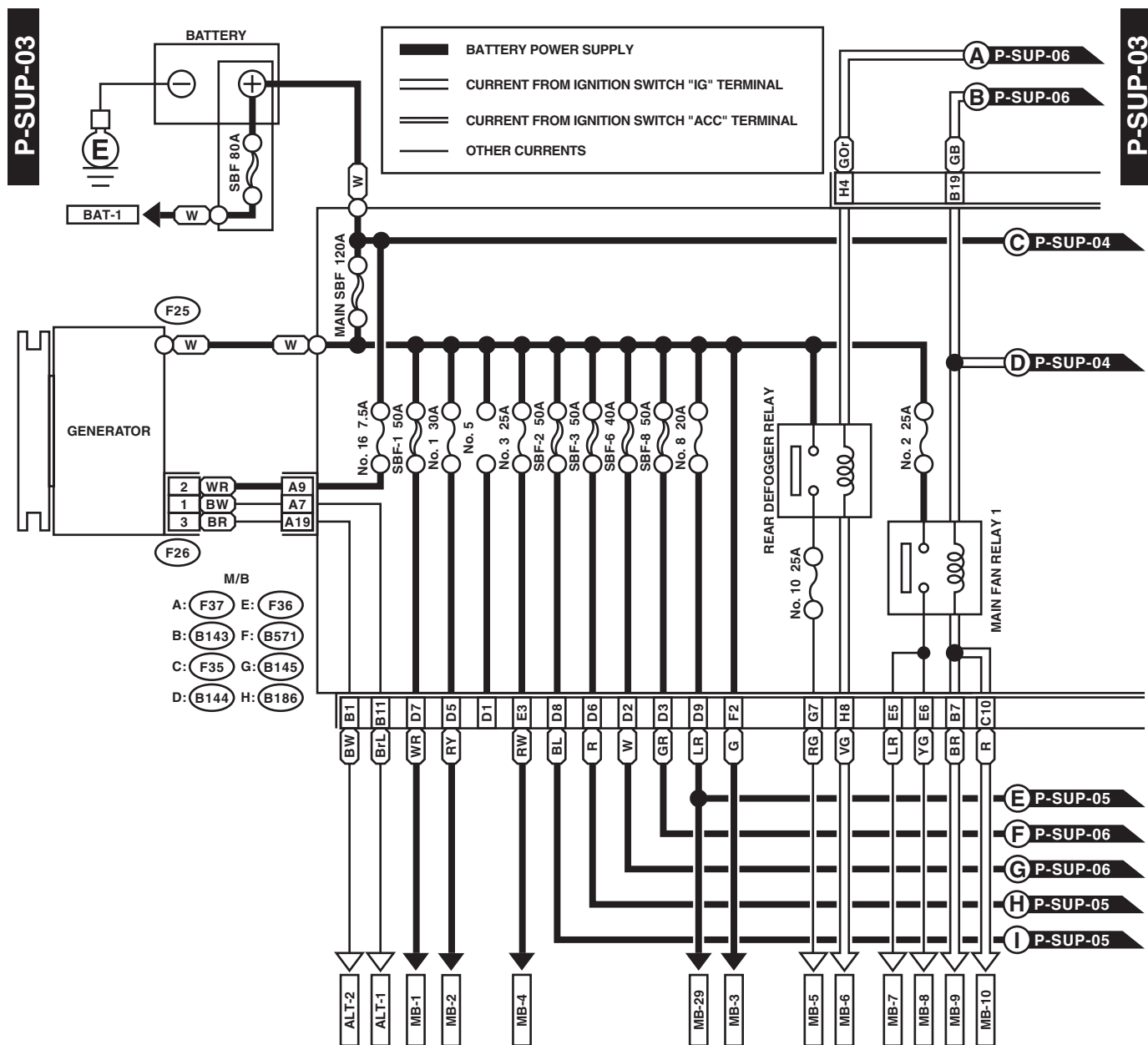


RELAY HOLDER

WI-34135

Power Supply Circuit

WIRING SYSTEM



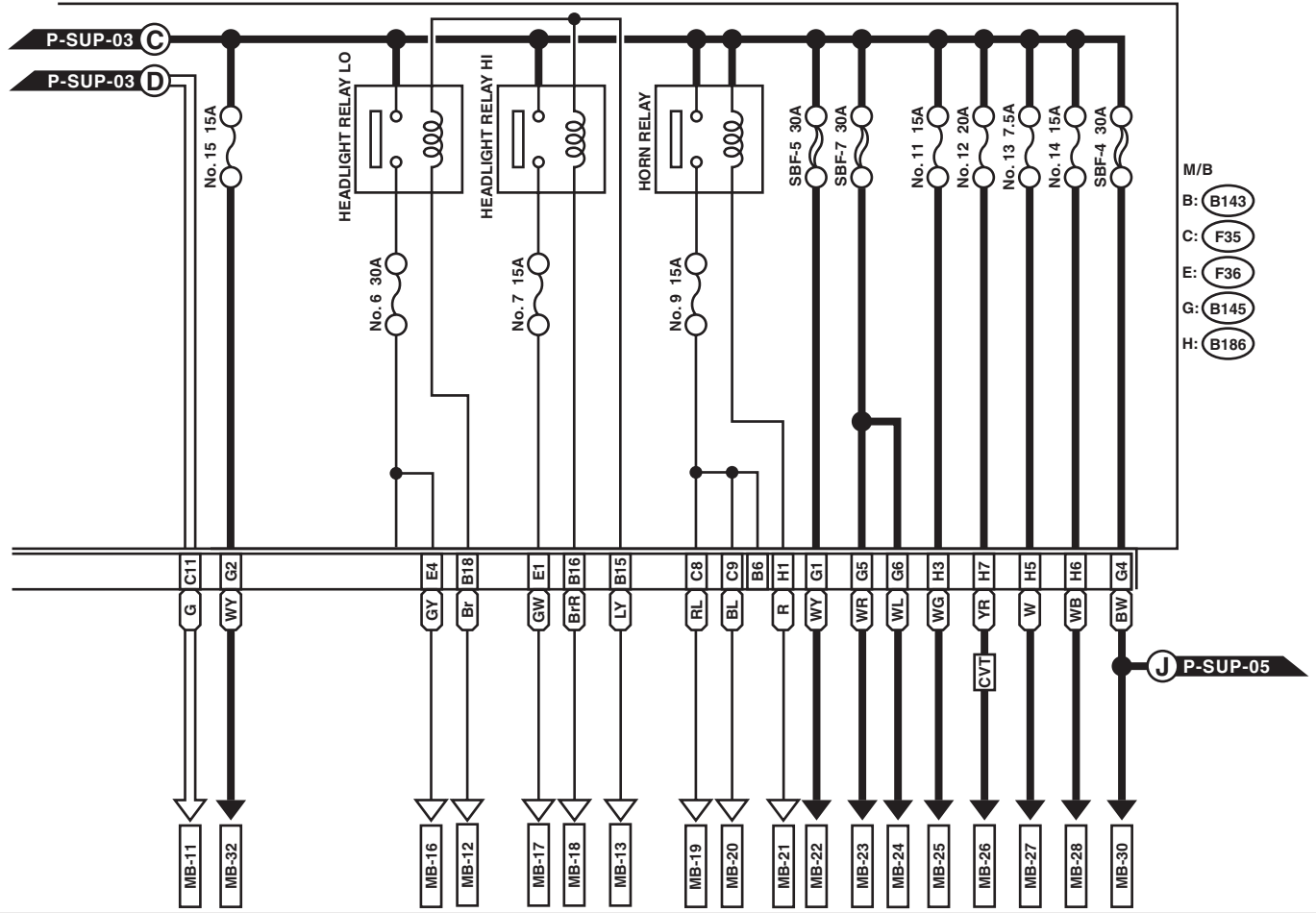
WI-48159

Power Supply Circuit

WIRING SYSTEM

P-SUP-04

P-SUP-04



G: (B145) (BROWN)

E: (F36)

H: (B186)

C: (F35) (BLUE)

B: (B143)

1	2		3
4	5	6	7

1	2		3
4	5	6	7

1		2	3
4	5	6	7

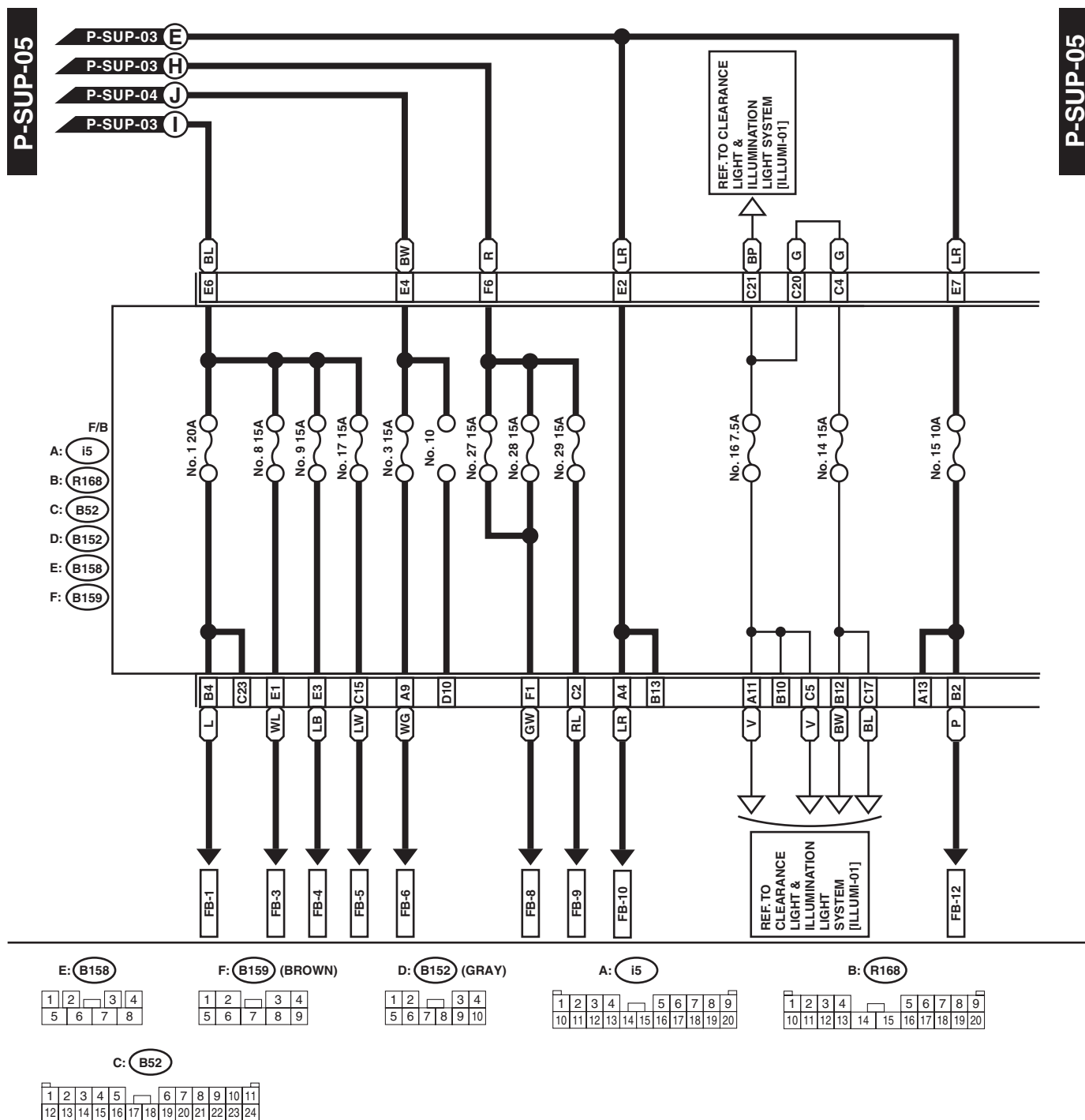
1	2		3	4	5
6	7	8	9	10	11

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

WI-48160

Power Supply Circuit

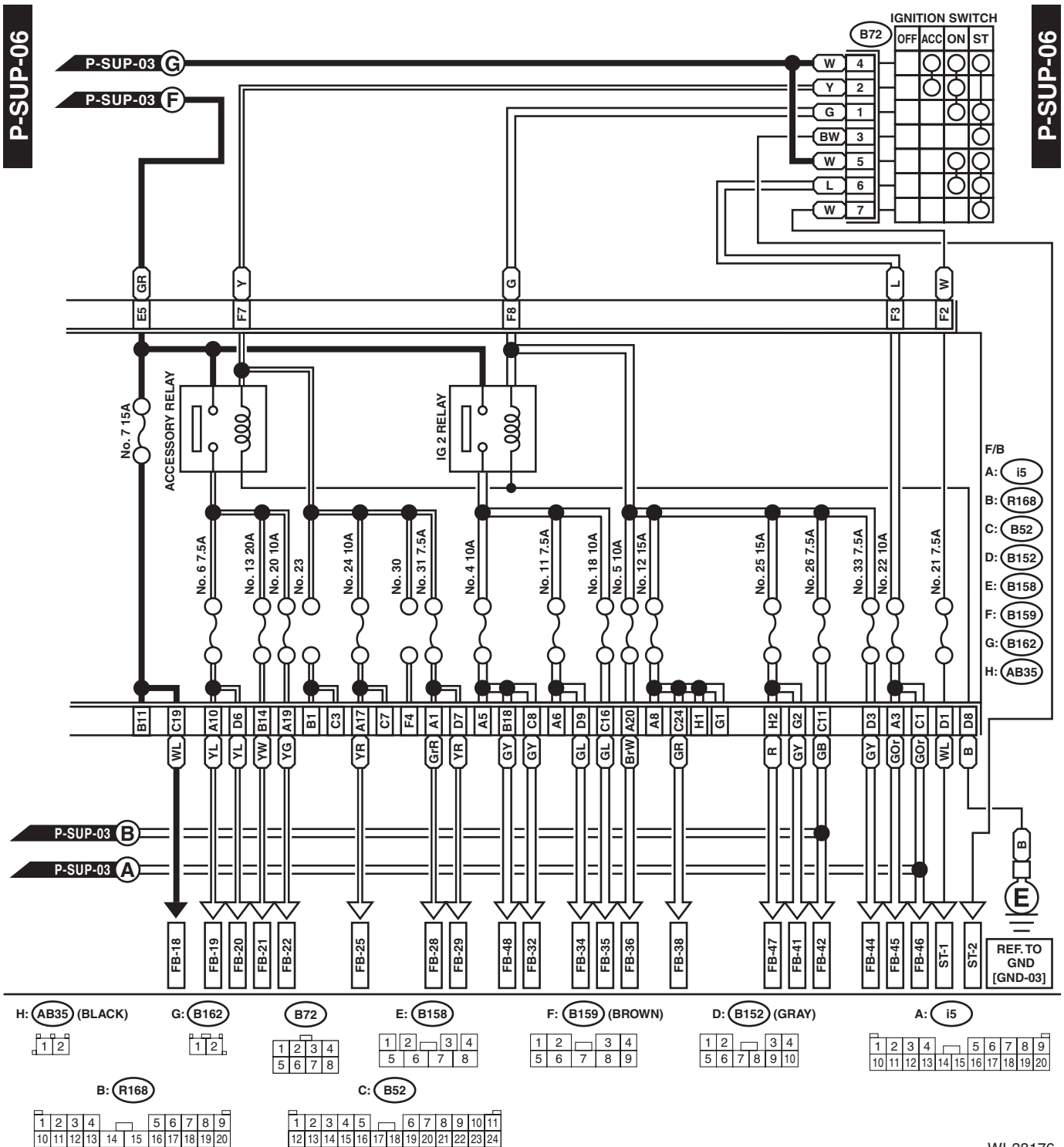
WIRING SYSTEM



WI-37806

WIRING SYSTEM

WIRING SYSTEM



Power Supply Circuit

WIRING SYSTEM

No.	Load
MB-1	VDC CM
MB-2	VDC CM
MB-3	Wiper relay
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-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-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-1	Trailer connector

No.	Load
FB-3	Stop light and brake switch
	Brake relay
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
	Front fog light relay LH
	Front fog light relay RH
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/XV 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
	Stereo camera
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
	AUX input terminal
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
FB-34	Sunroof switch (tilt)
	Turn signal and hazard unit

No.	Load
FB-35	Inhibitor switch
	Back-up light switch
	Auto headlight beam leveler CM
FB-36	Combination meter
	MFD
FB-38	ECM
	TCM
	Body integrated unit
	Fuel pump relay
	Stereo camera
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

Power Supply Circuit

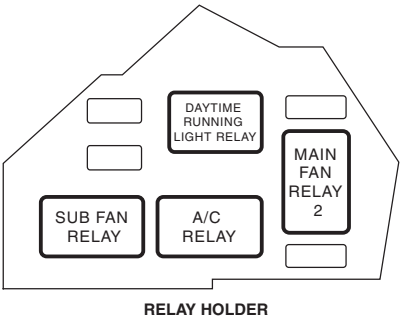
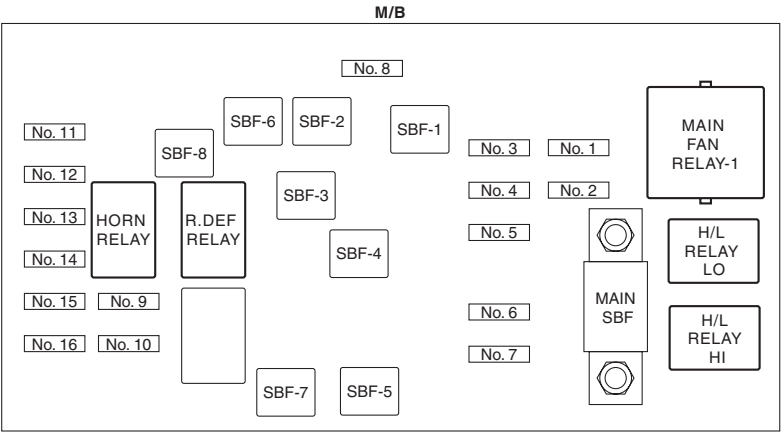
WIRING SYSTEM

2. WITH PUSH BUTTON START

- Engine room side

P-SUP(P)-01

P-SUP(P)-01

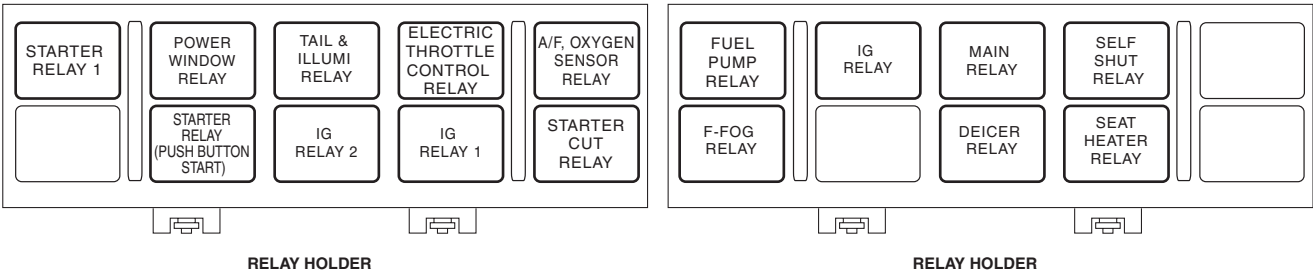
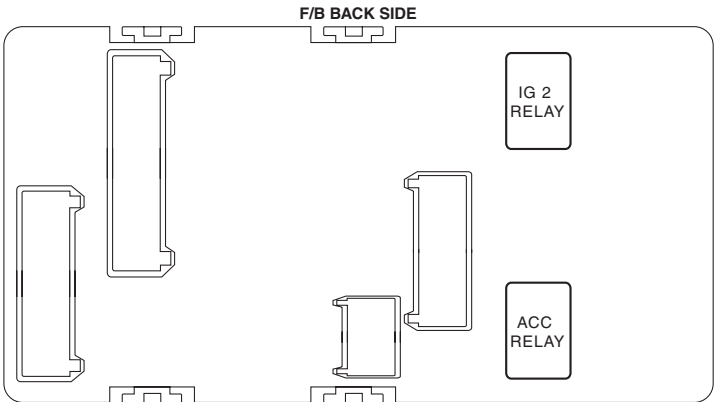
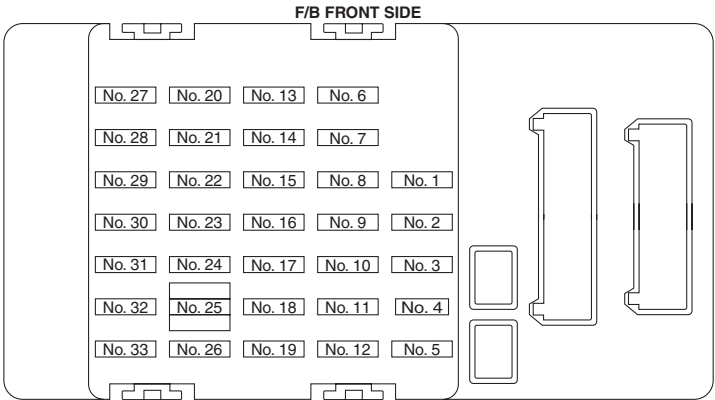


WI-48161

- Passenger room side

P-SUP(P)-02

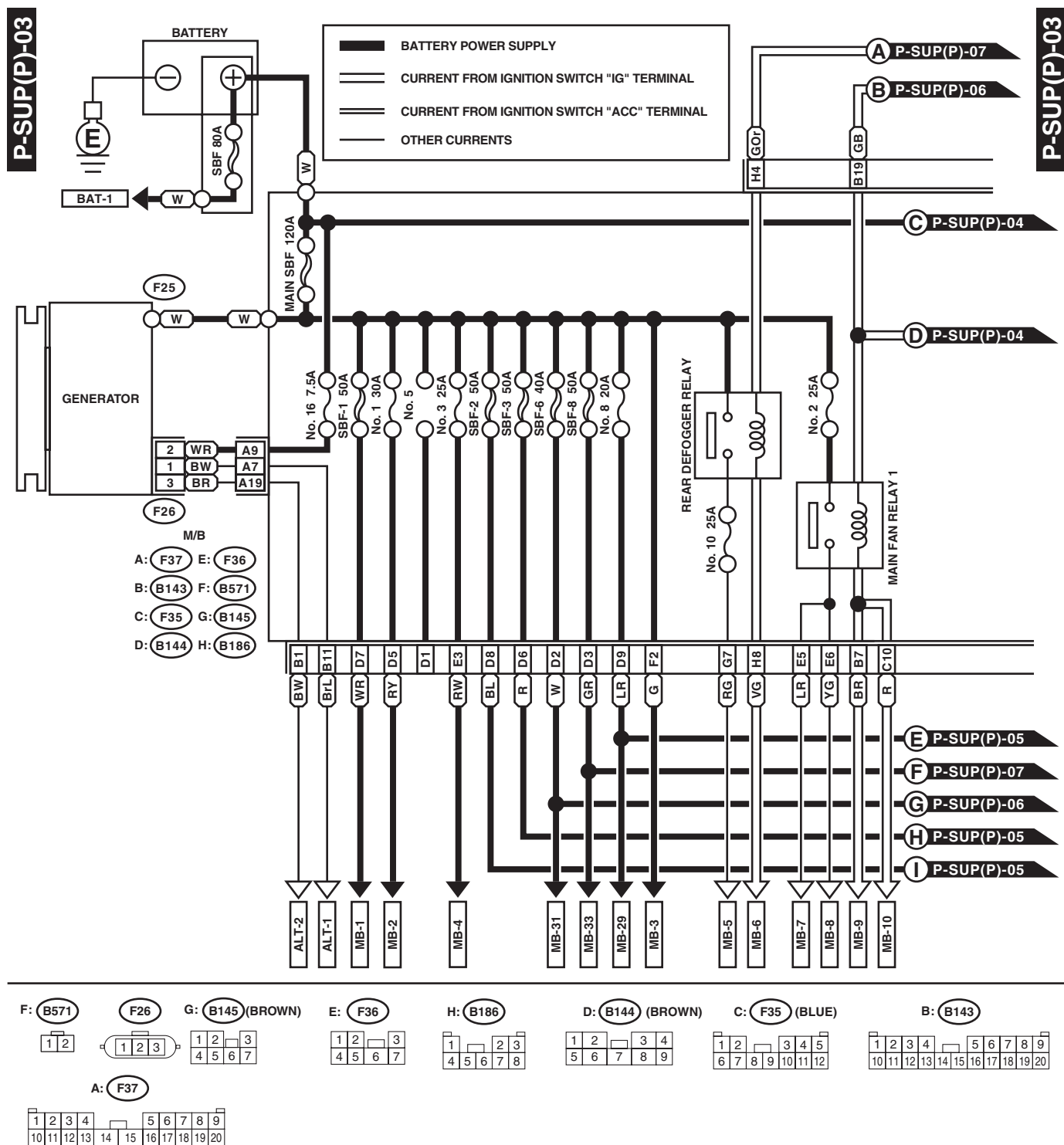
P-SUP(P)-02



WI-48162

Power Supply Circuit

WIRING SYSTEM



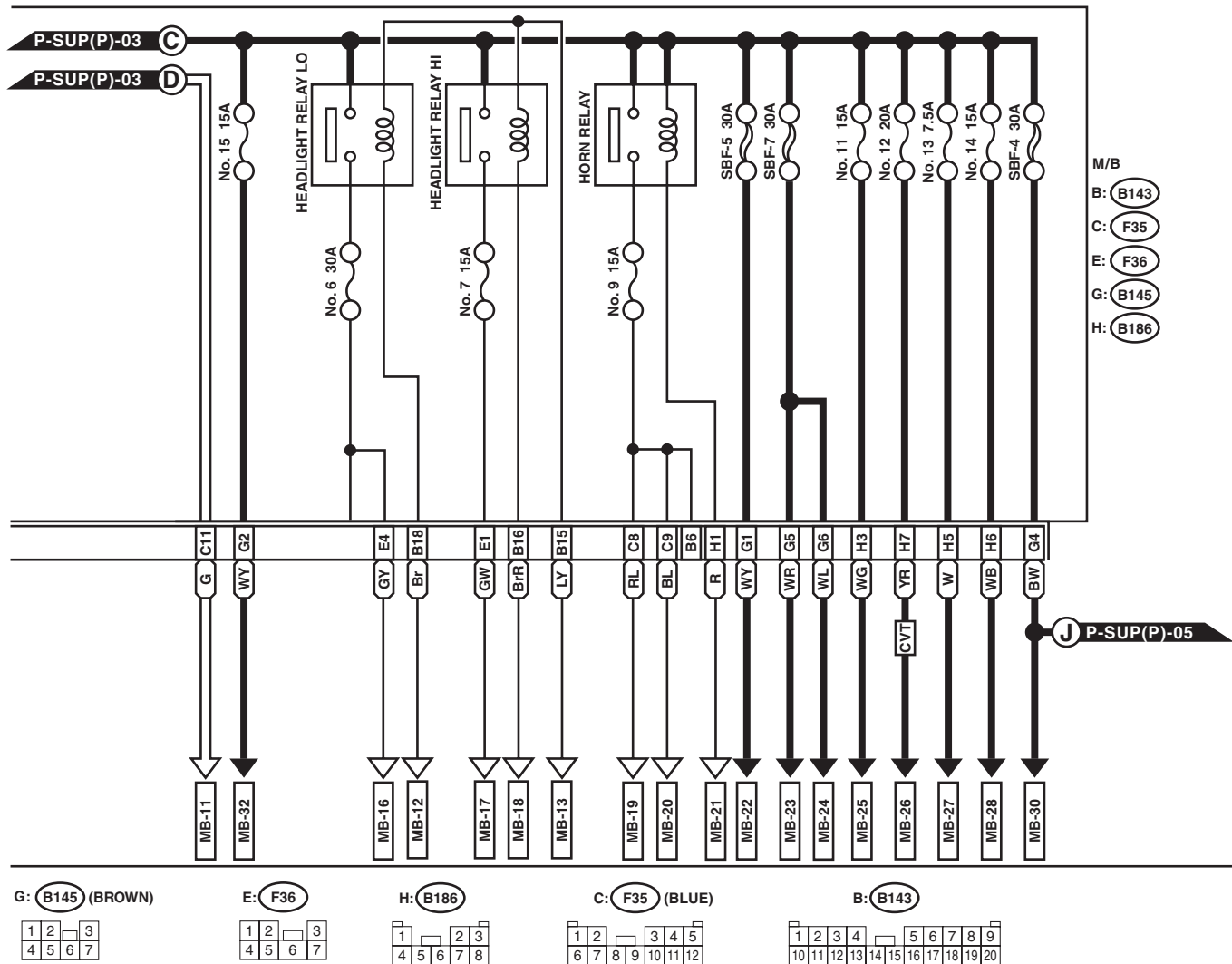
WI-48163

Power Supply Circuit

WIRING SYSTEM

P-SUP(P)-04

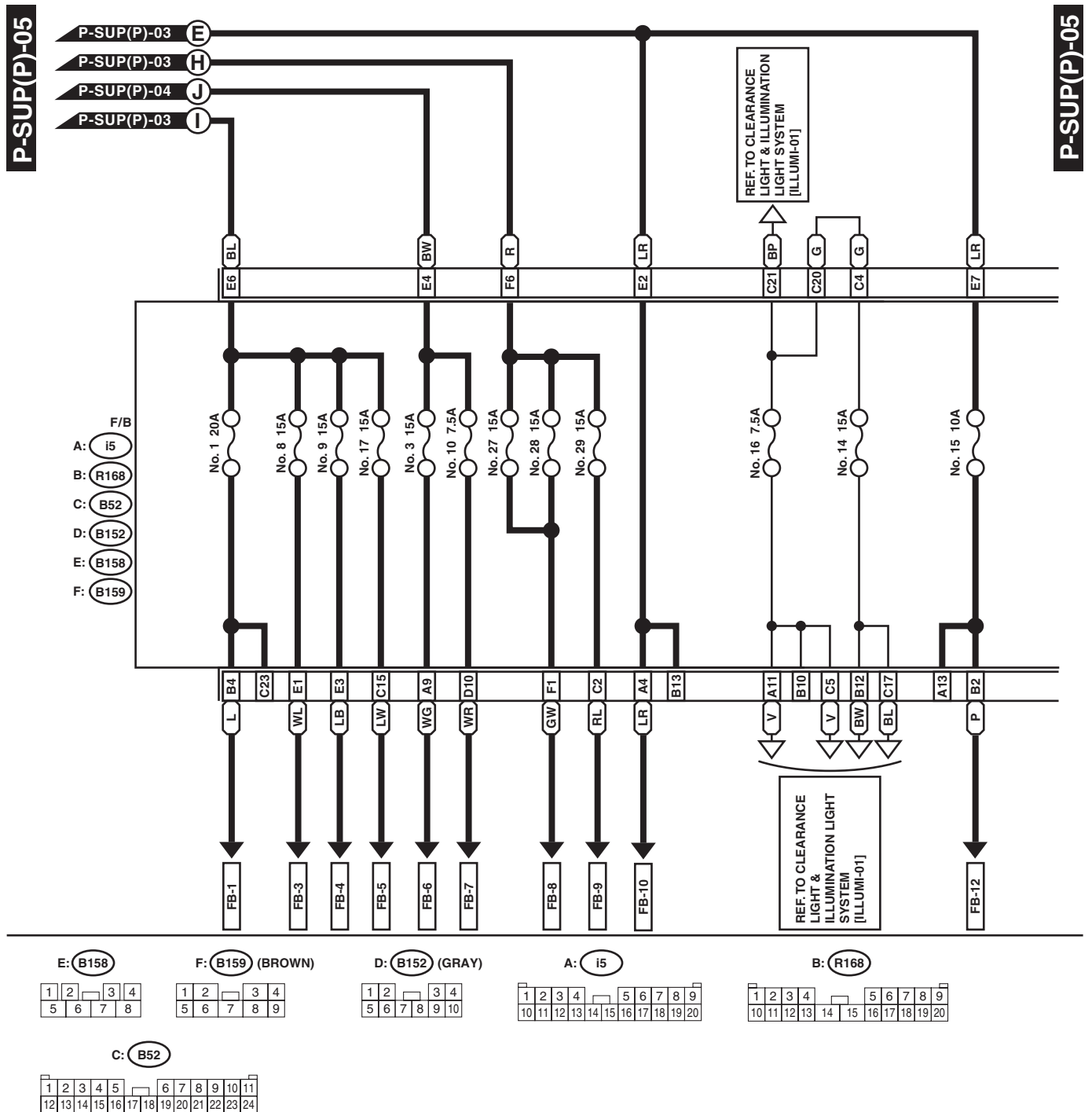
P-SUP(P)-04



WI-48164

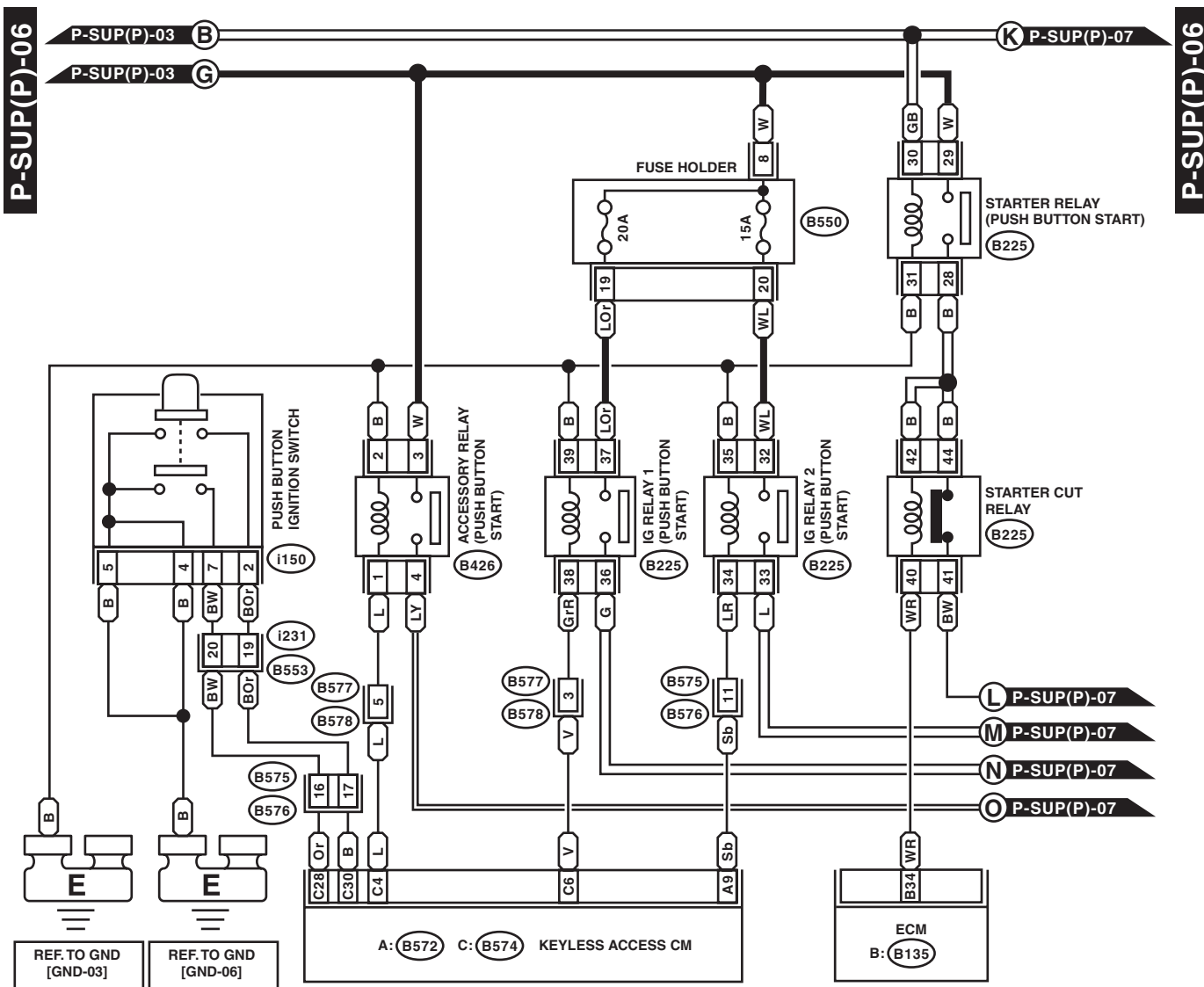
WIRING SYSTEM

WIRING SYSTEM



Power Supply Circuit

WIRING SYSTEM

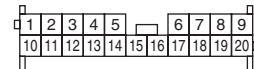
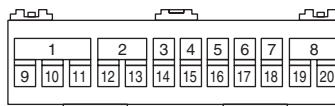
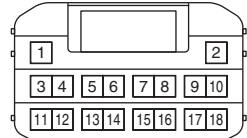
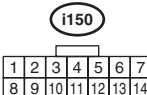


(B426) (BLACK)

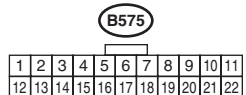
A: (B572)

(B550)

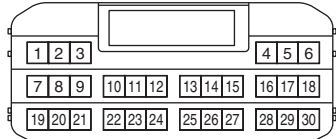
(i231)



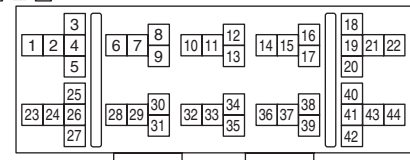
(B225)



B: (B135)



C: (B574) FUSE HOLDER

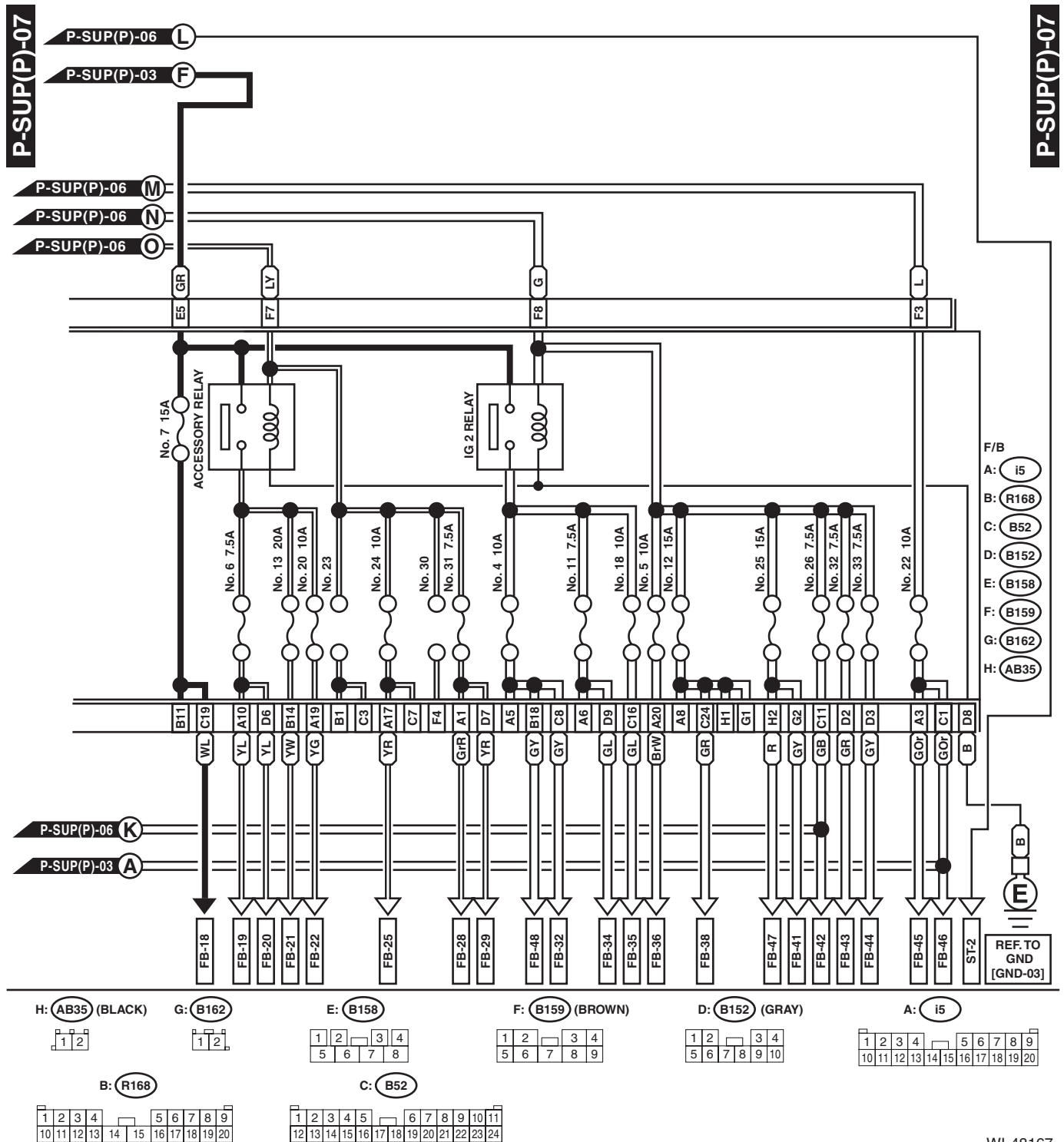


RELAY HOLDER

WI-48166

WIRING SYSTEM

WIRING SYSTEM



Power Supply Circuit

WIRING SYSTEM

No.	Load
MB-1	VDC CM
MB-2	VDC CM
MB-3	Wiper relay
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-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	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	Accessory relay
	IG relay 1
	IG relay 2
MB-32	Tail & illumination relay
	Daytime running light relay
MB-33	Keyless access CM
	ID code box
ALT-1	Combination meter
ALT-2	ECM
ST-2	Starter relay 1

No.	Load
FB-1	Trailer connector
FB-3	Stop light and brake switch
	Brake relay
FB-4	Wiper deicer relay
FB-5	Seat heater relay
FB-6	Body integrated unit
FB-7	Remote engine start CM
FB-8	Blower motor relay
FB-9	Front fog light relay
	Front fog light relay LH
	Front fog light relay RH
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/XV 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
	Steering lock CM
	Stereo camera
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
	AUX input terminal
FB-28	A/C control panel
FB-29	Body integrated unit
FB-32	Impact sensor
	Data link connector
	Stop light and brake switch
	Wiper deicer relay
	Sunroof motor assembly
	Sunroof switch
	Sunroof switch (tilt)
	Remote engine start CM

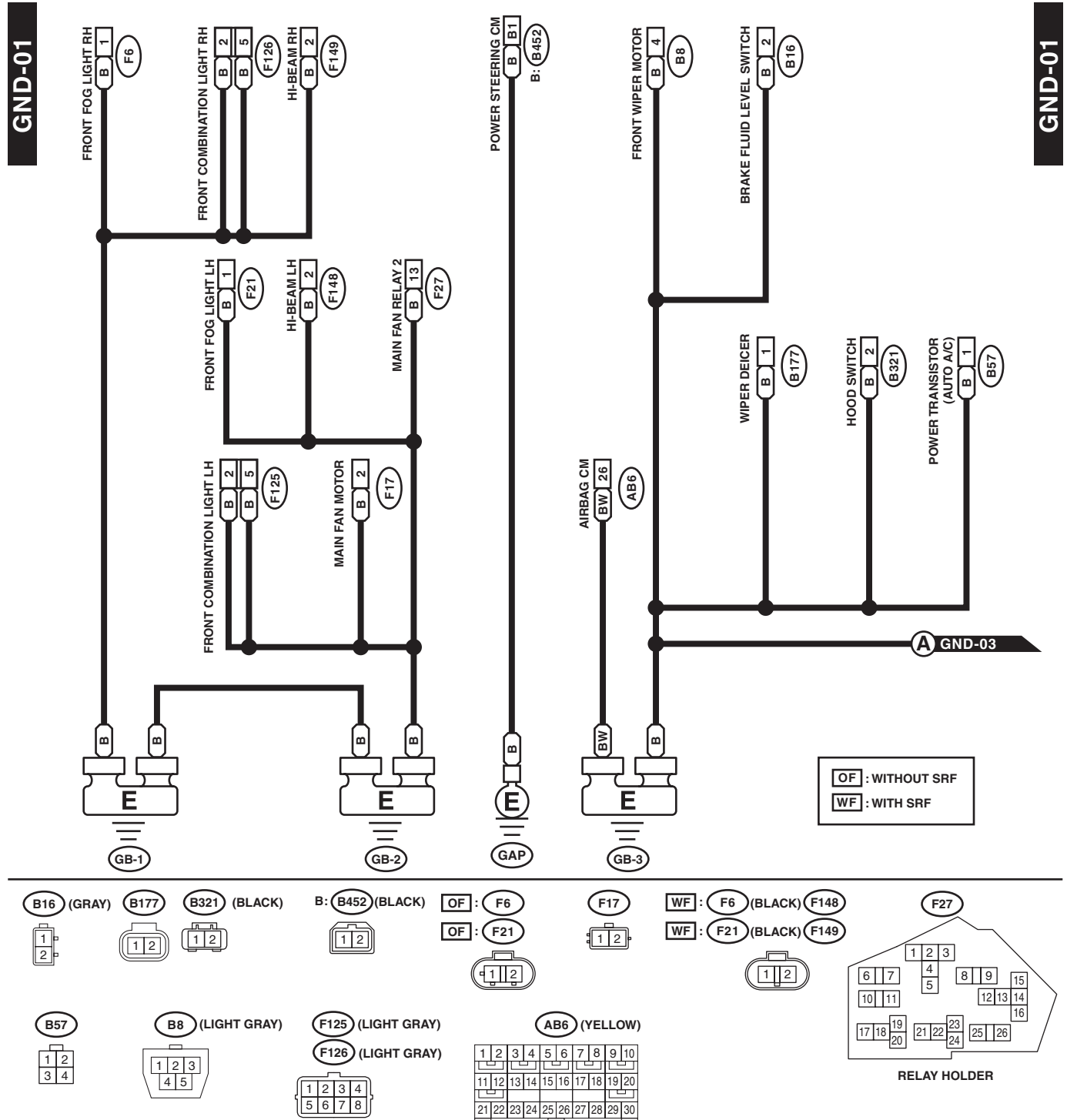
Power Supply Circuit

WIRING SYSTEM

No.	Load
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
FB-38	ECM
	TCM
	Body integrated unit
	Fuel pump relay
	Keyless access CM
	Stereo camera
FB-41	Airbag CM
FB-42	Power window relay
	Wiper relay
FB-43	Steering lock CM
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 CM
BAT-1	Power steering CM

4. Ground Circuit

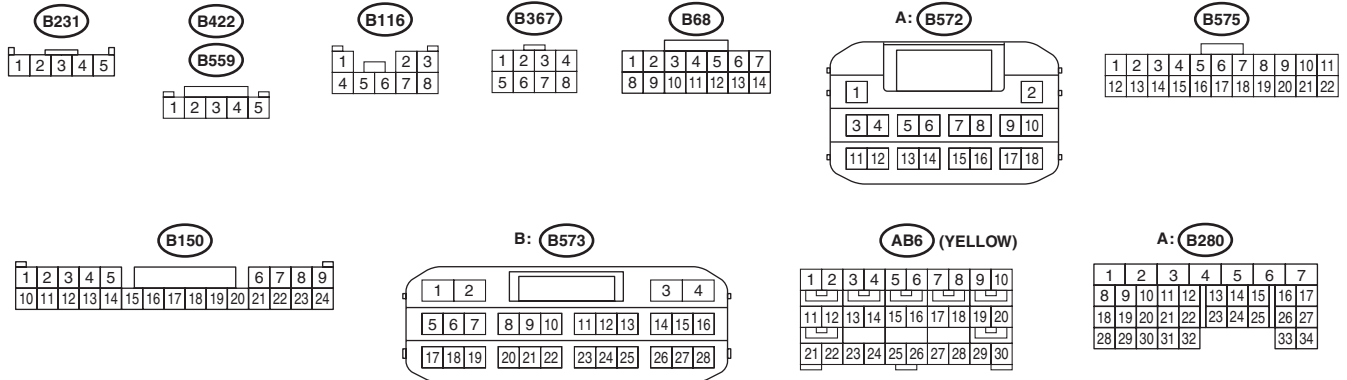
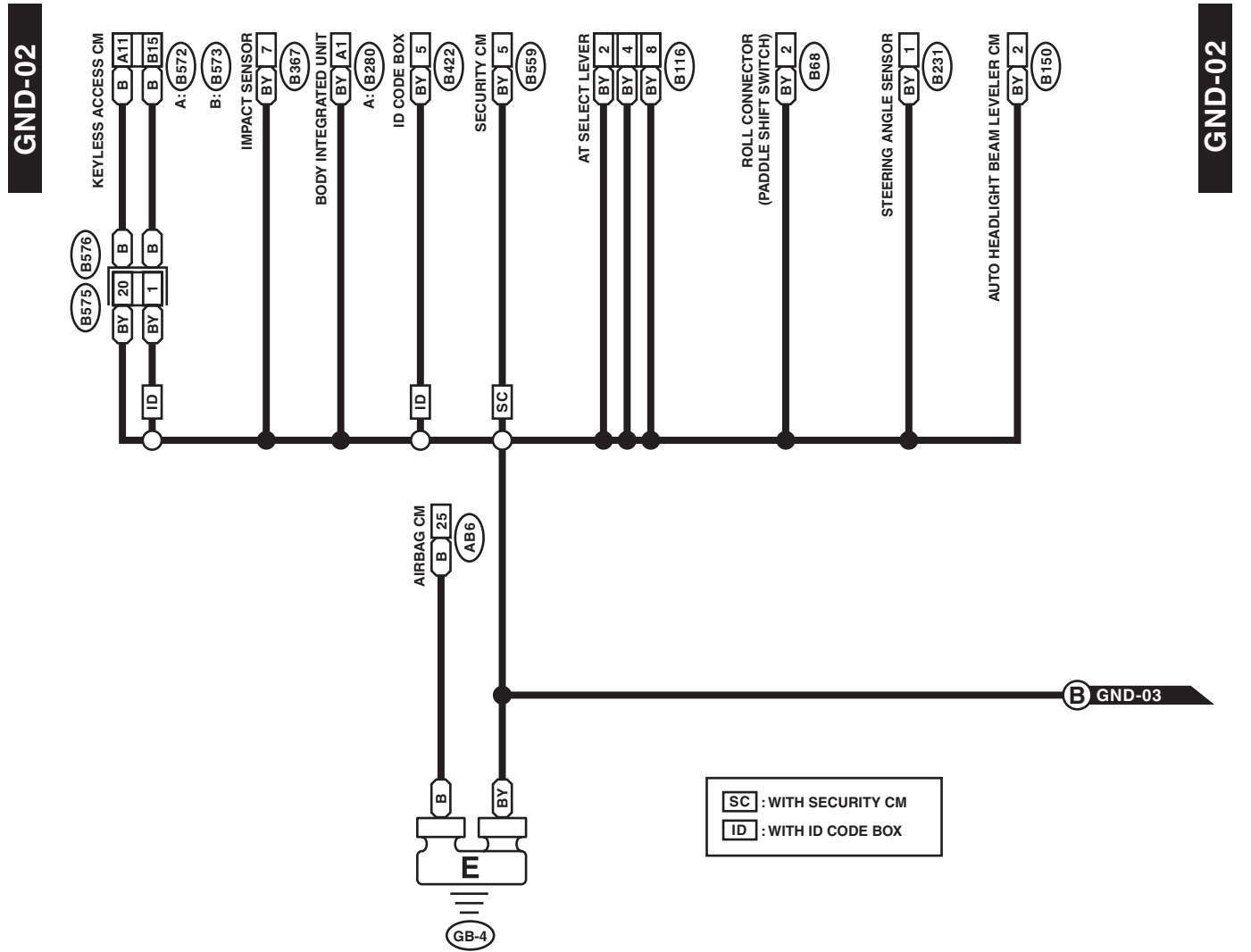
A: WIRING DIAGRAM



WI-48168

Ground Circuit

WIRING SYSTEM



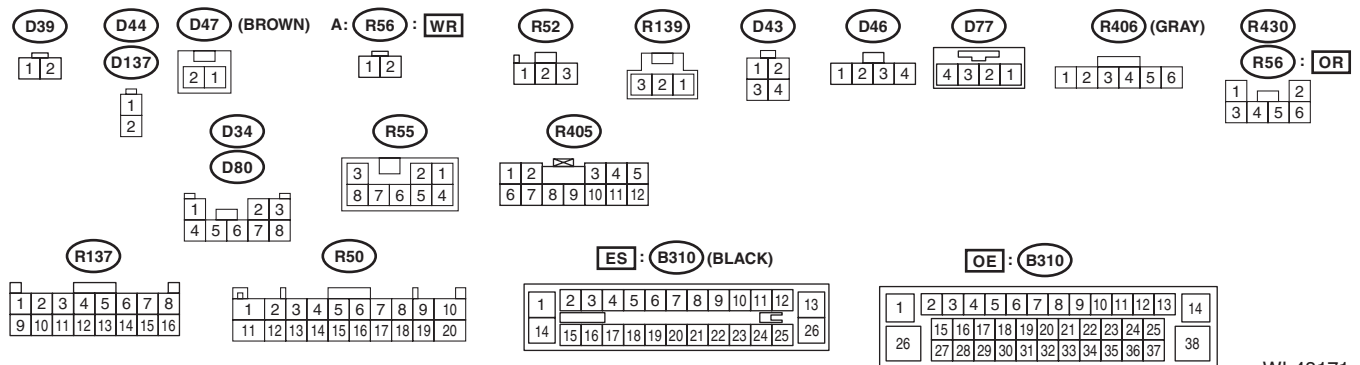
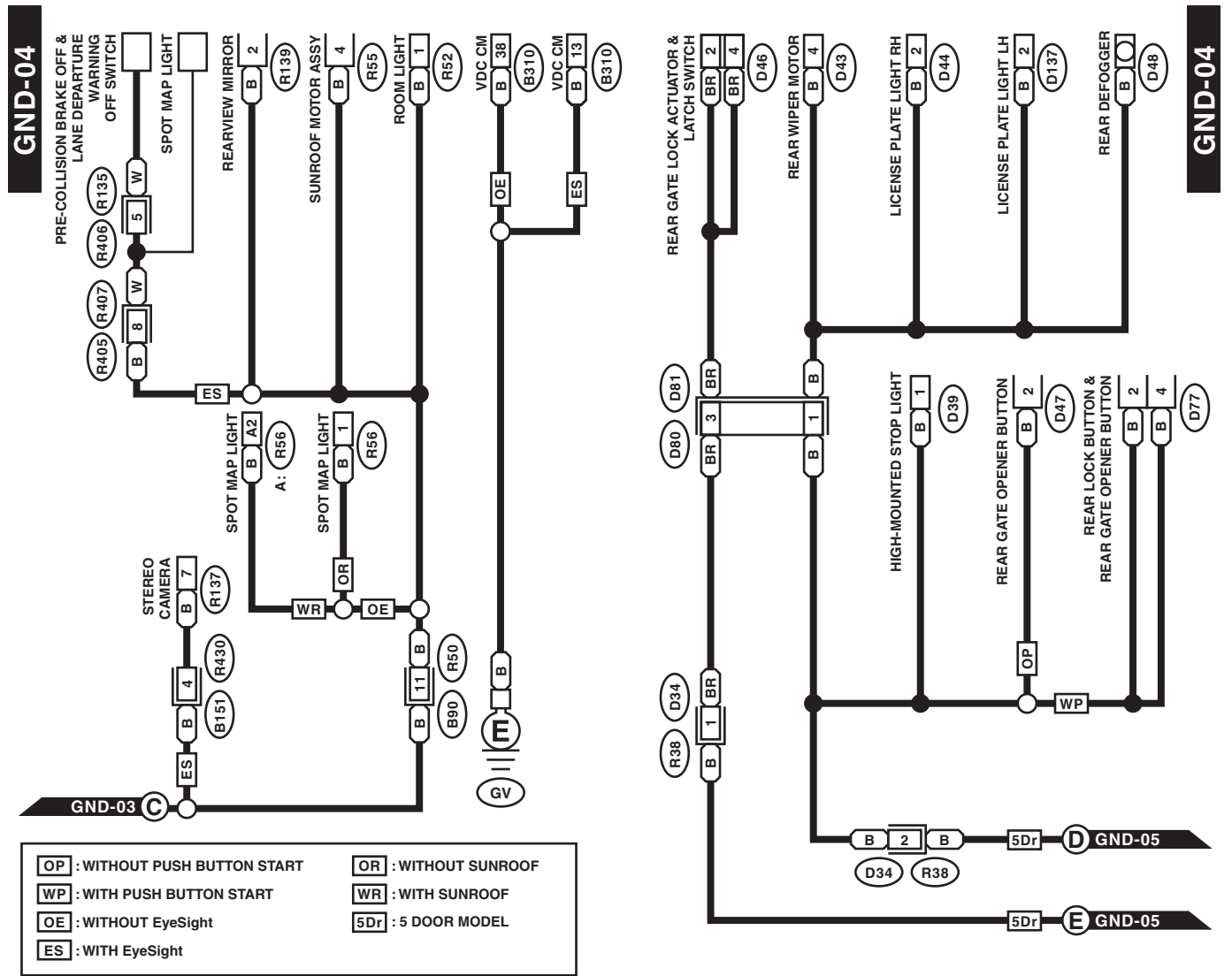
WI-48169

WIRING SYSTEM



Ground Circuit

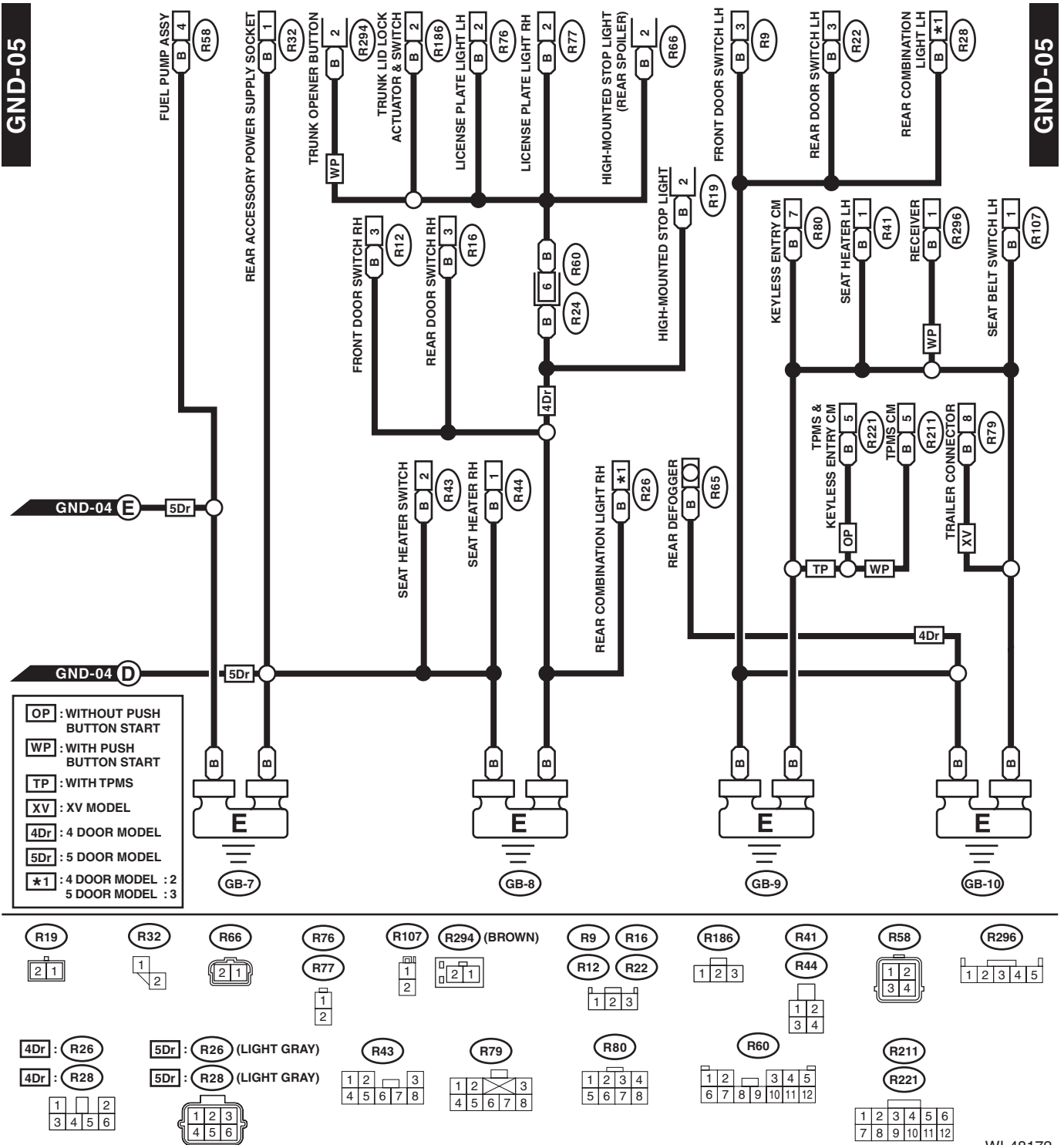
WIRING SYSTEM



WI-48171

Ground Circuit

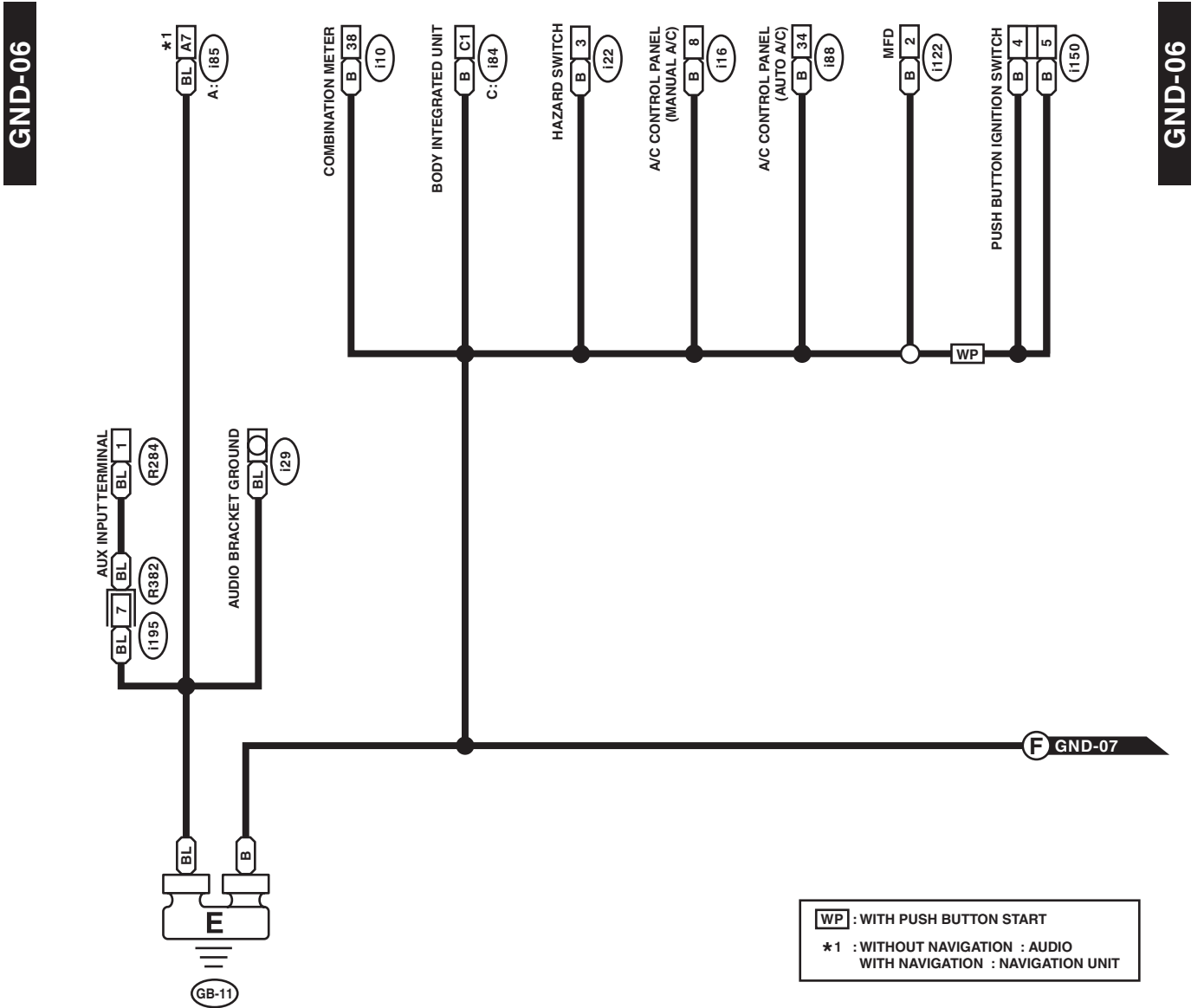
WIRING SYSTEM



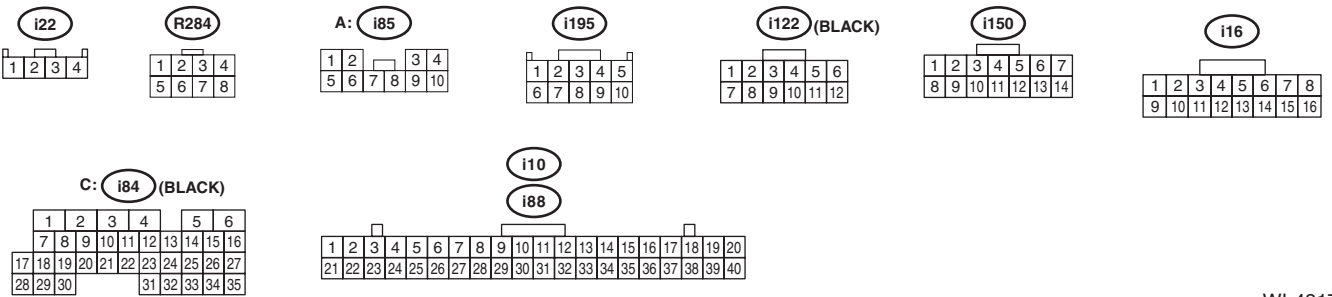
WI-48172

Ground Circuit

WIRING SYSTEM



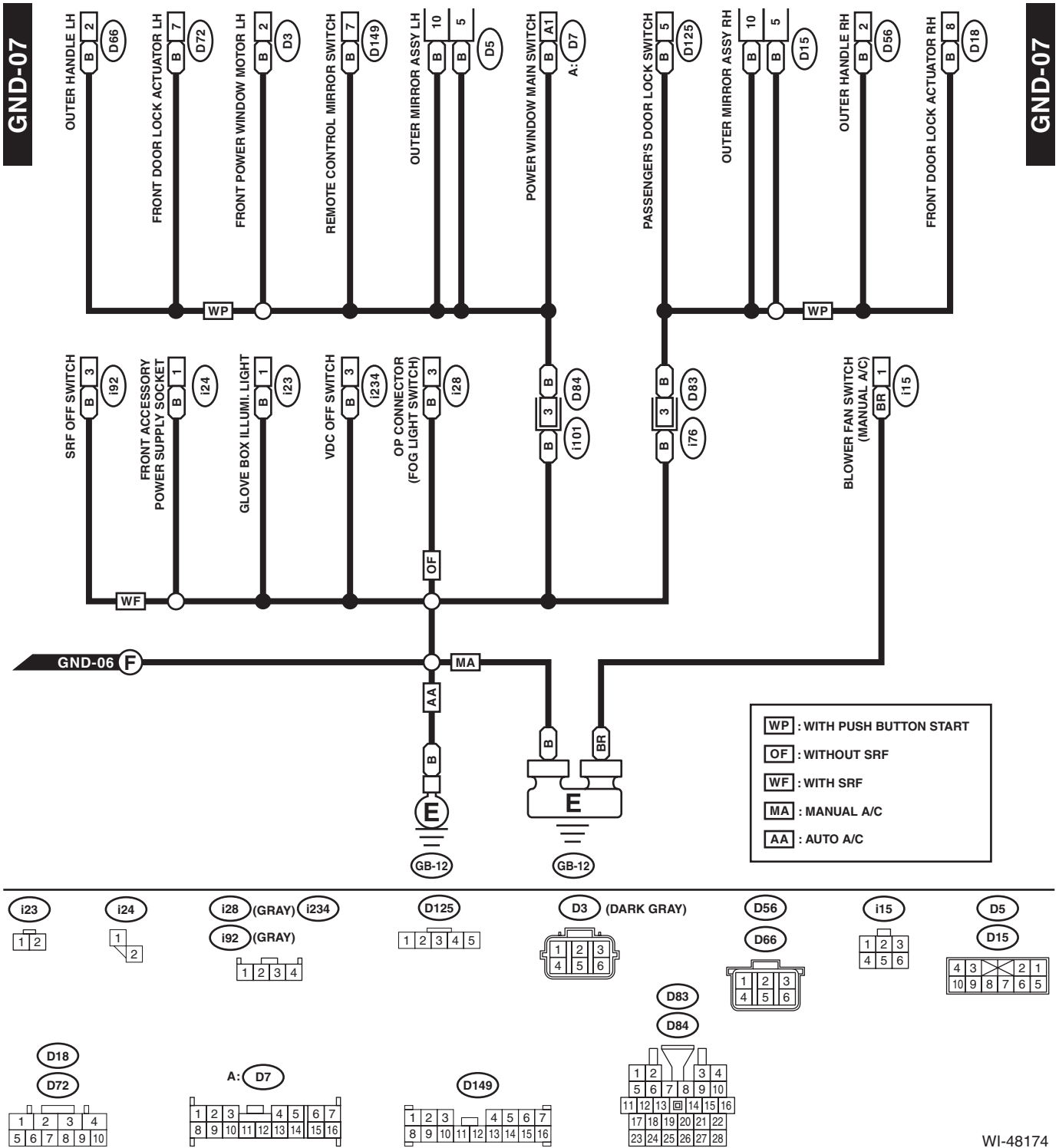
WP : WITH PUSH BUTTON START
 *1 : WITHOUT NAVIGATION : AUDIO
 WITH NAVIGATION : NAVIGATION UNIT



WI-48173

Ground Circuit

WIRING SYSTEM



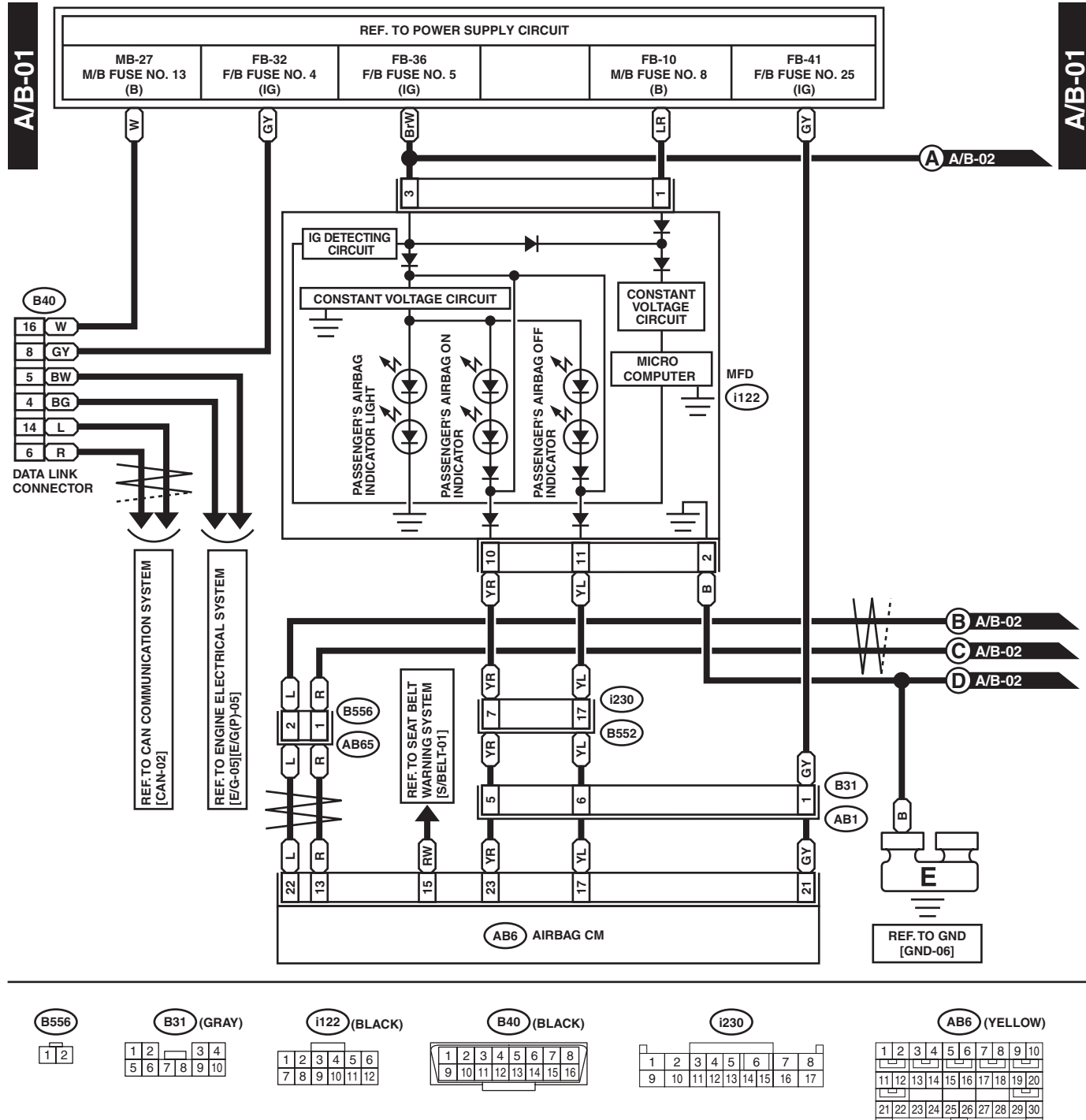
WI-48174

Airbag System

WIRING SYSTEM

5. Airbag System

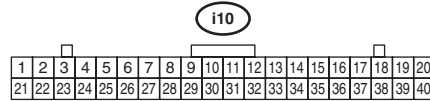
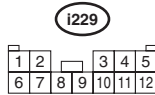
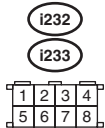
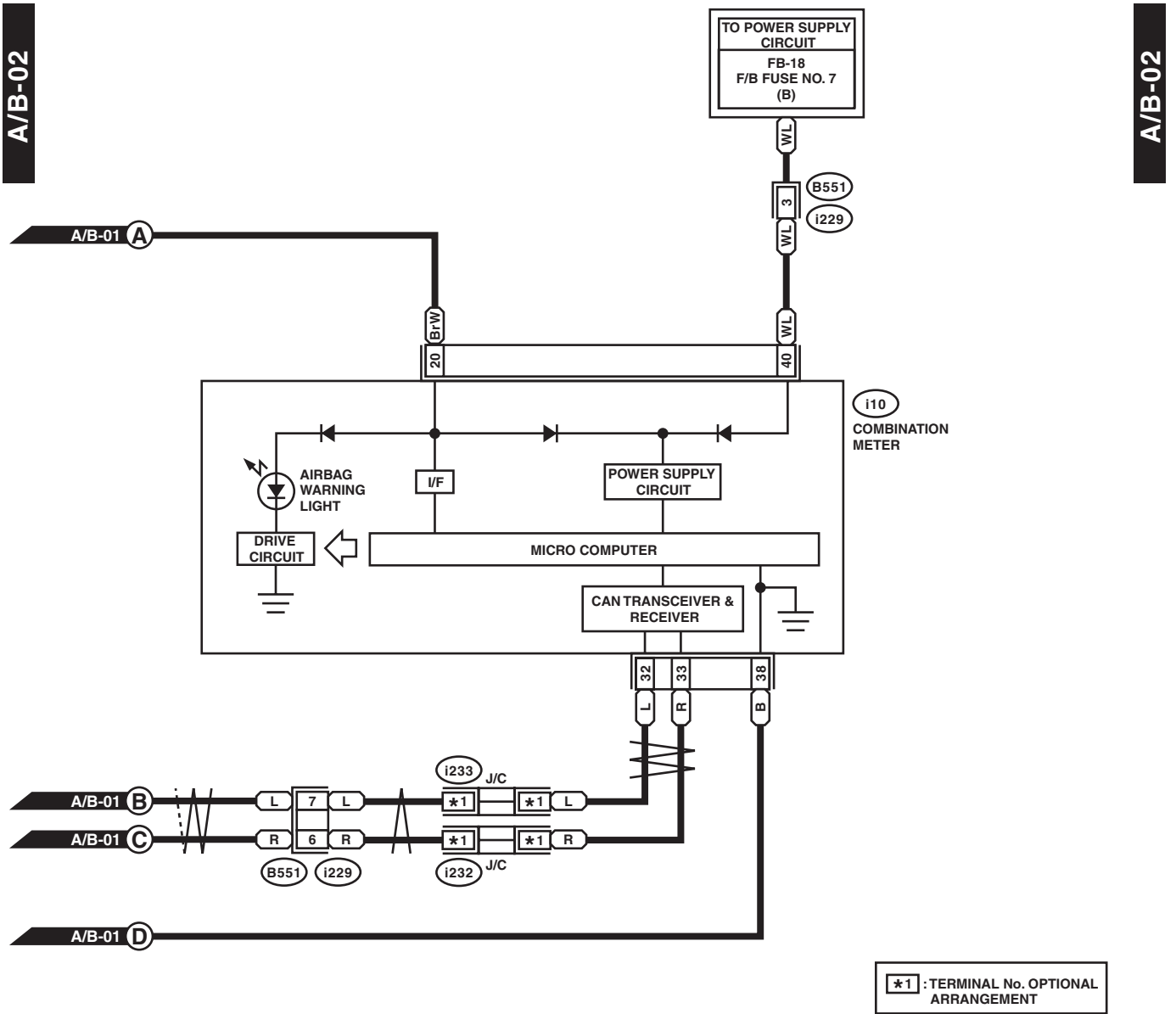
A: WIRING DIAGRAM



WI-48175

Airbag System

WIRING SYSTEM



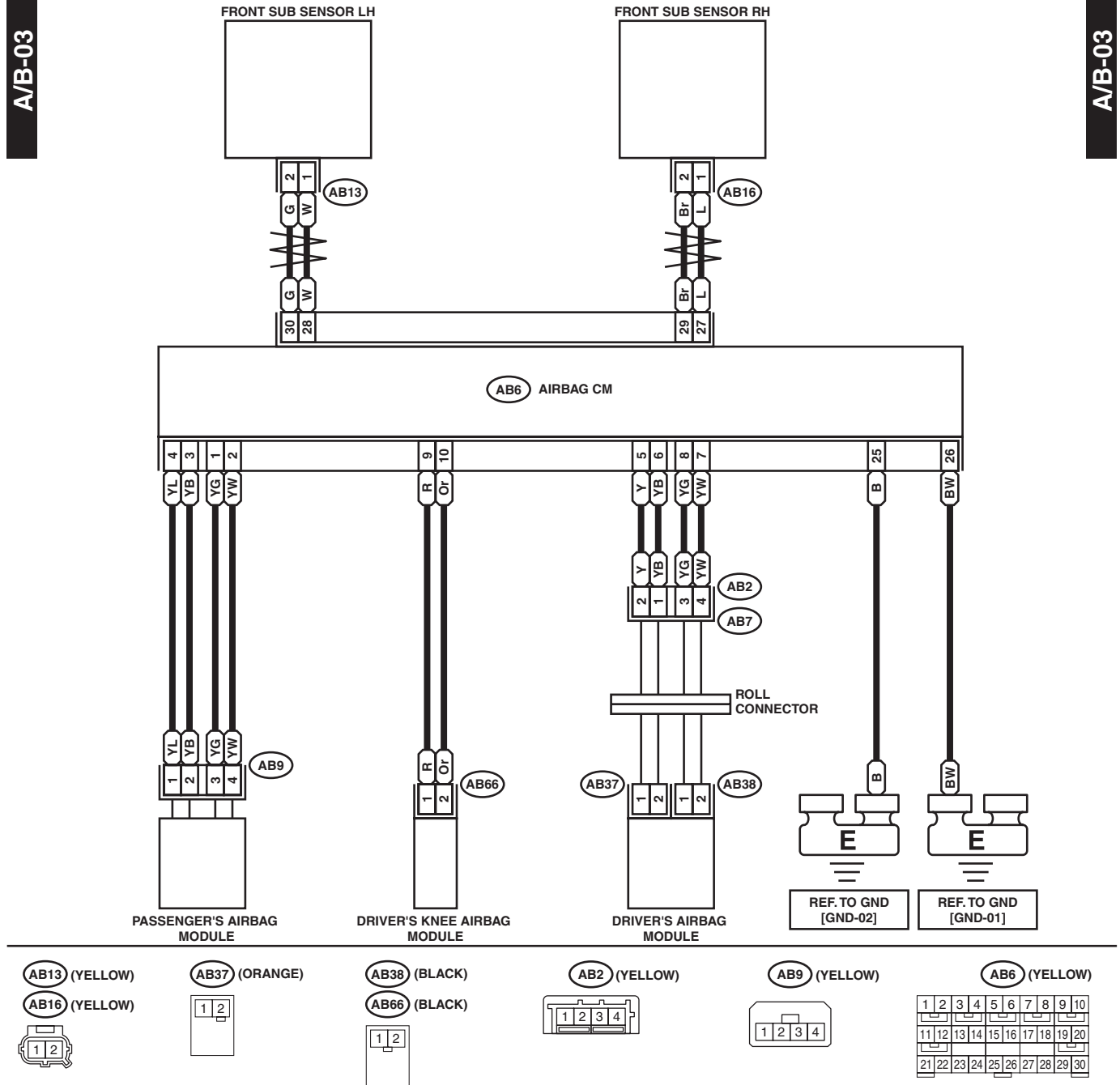
WI-34148

Airbag System

WIRING SYSTEM

A/B-03

A/B-03



WI-48728

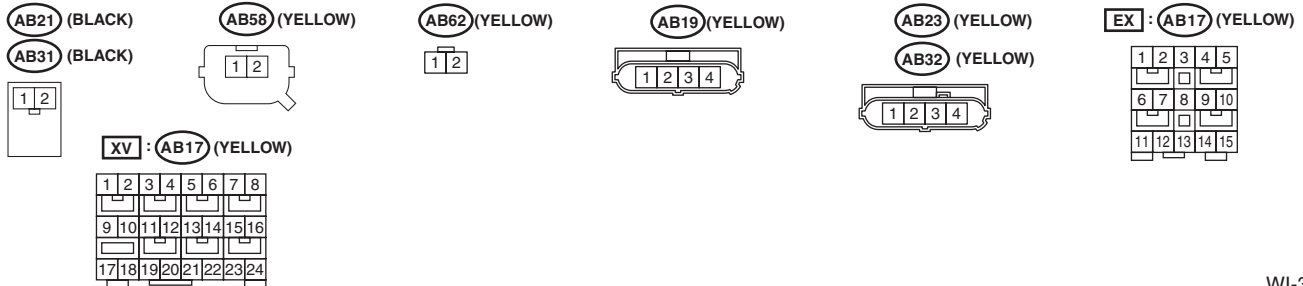
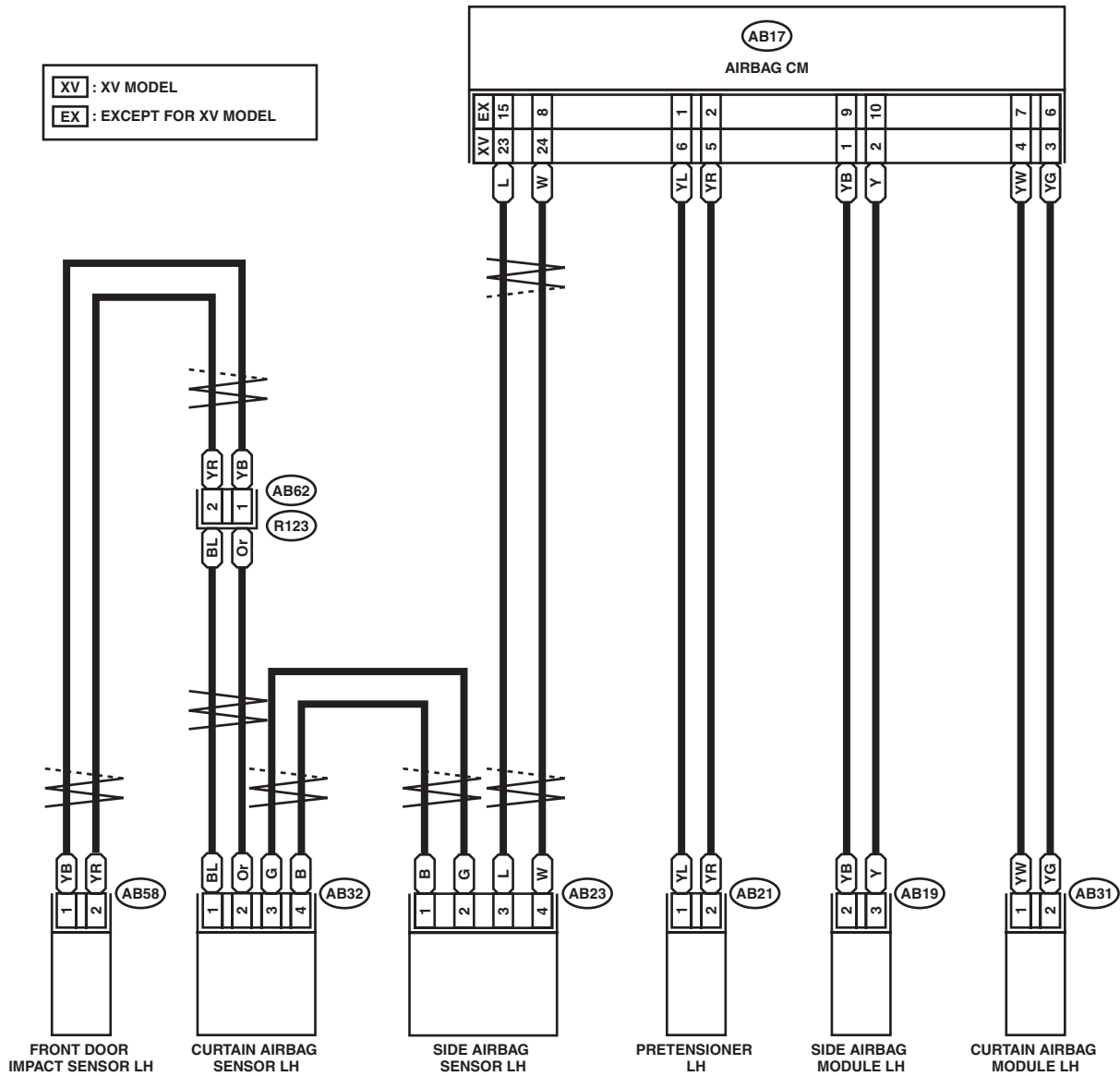
Airbag System

WIRING SYSTEM

A/B-04

A/B-04

XV : XV MODEL
EX : EXCEPT FOR XV MODEL



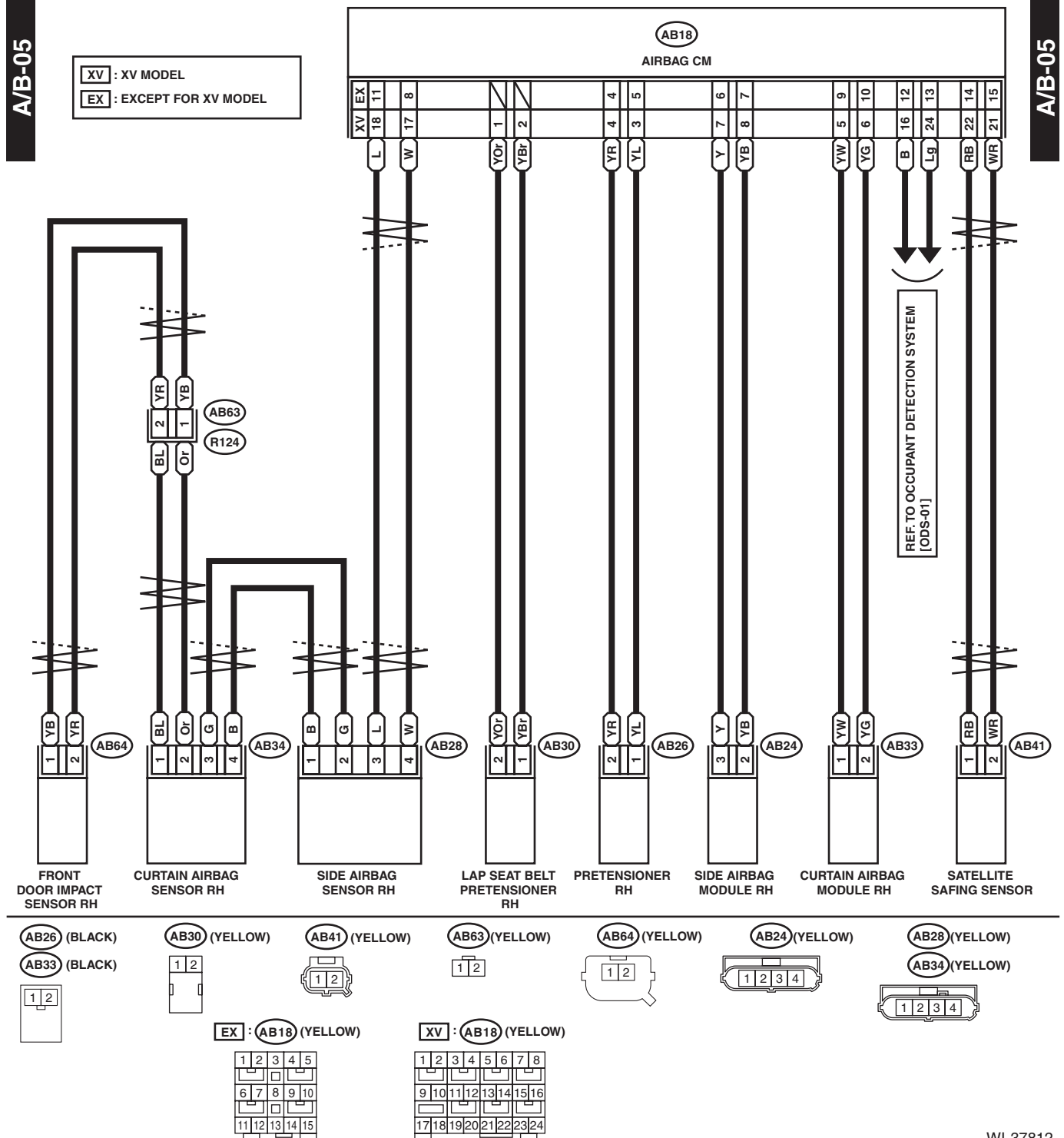
WI-37811

WIRING SYSTEM

WIRING SYSTEM

A/B-05

A/B-05



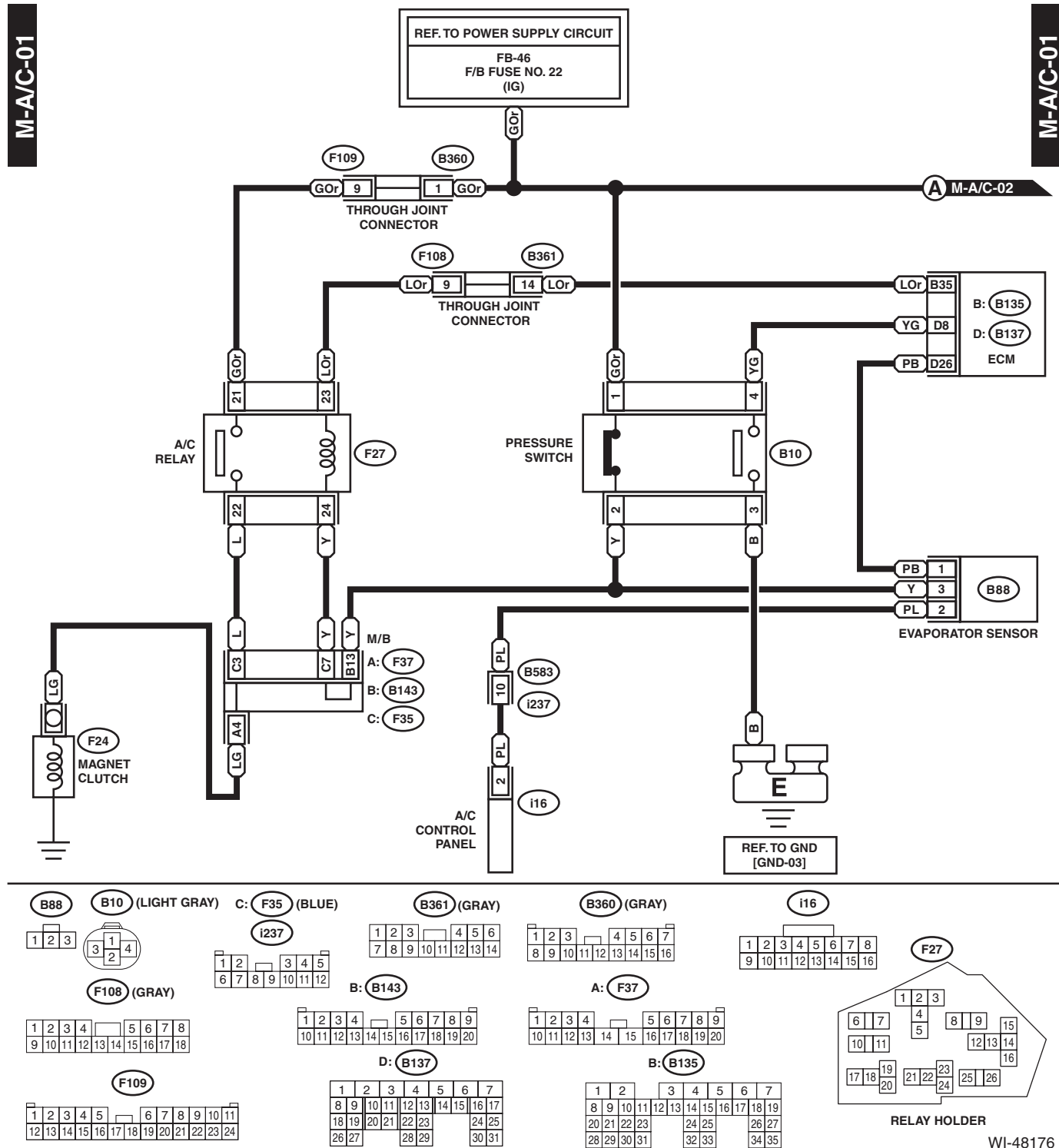
WI-37812

WI(w/o HEV)-44

6. Air Conditioning System

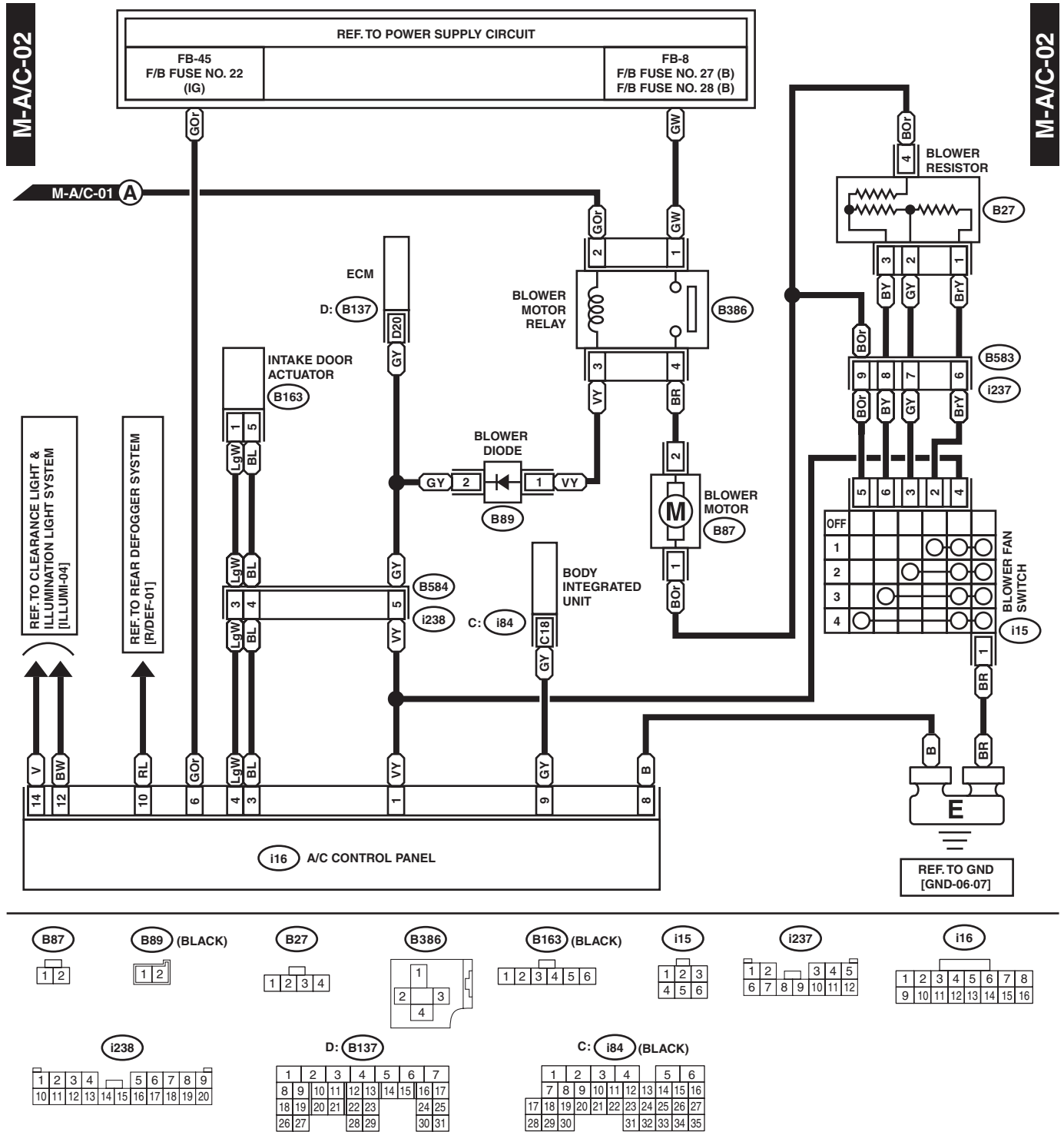
A: WIRING DIAGRAM

1. MANUAL A/C MODEL



Air Conditioning System

WIRING SYSTEM



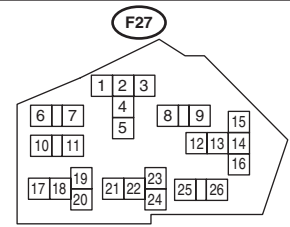
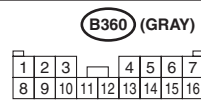
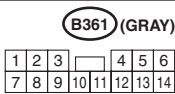
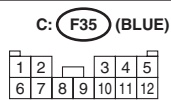
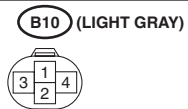
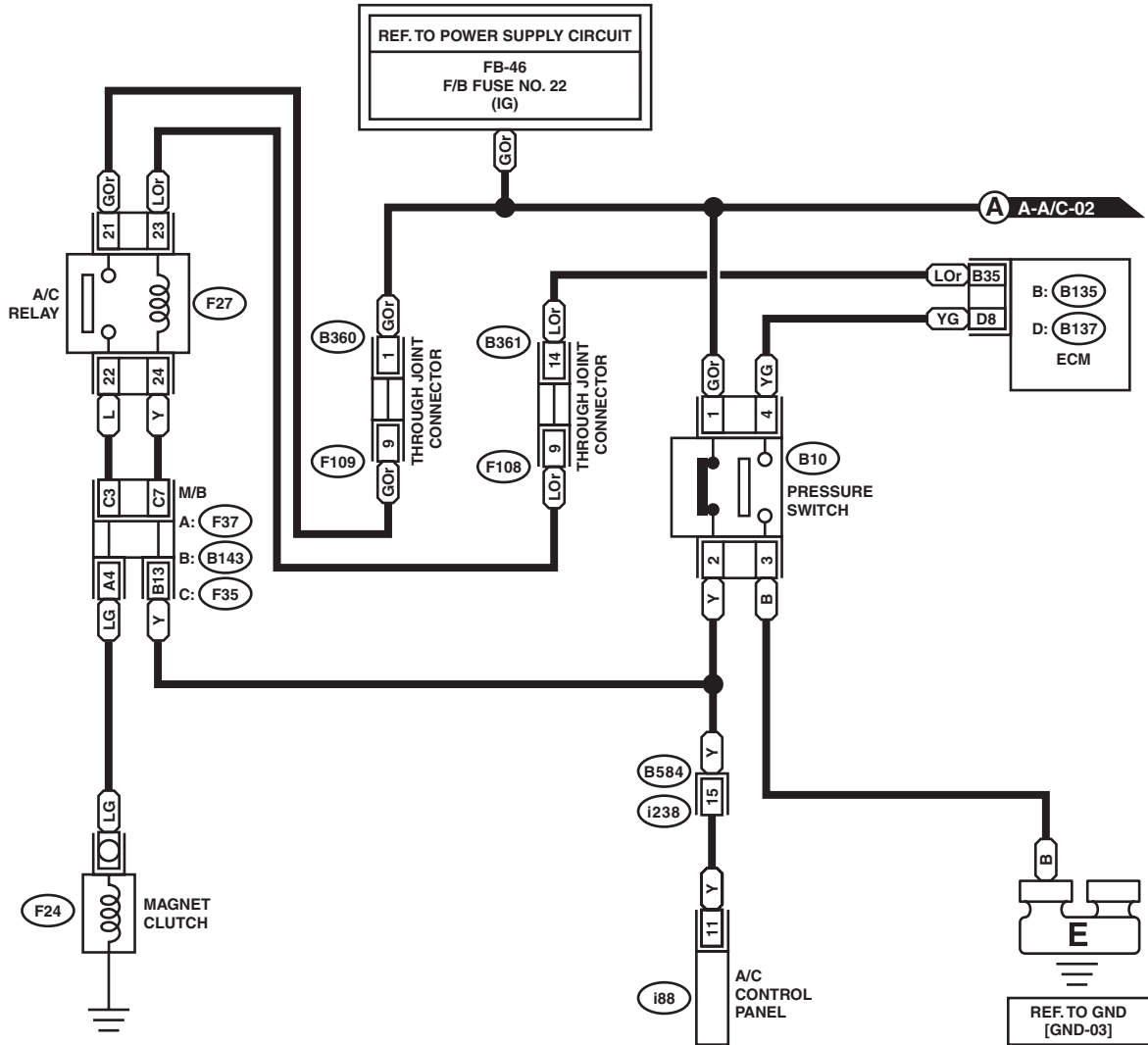
Air Conditioning System

WIRING SYSTEM

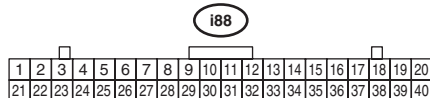
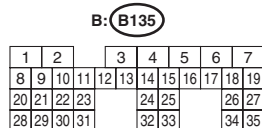
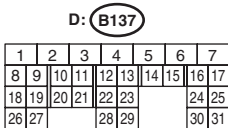
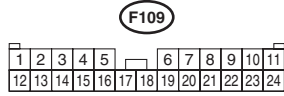
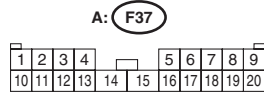
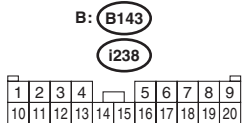
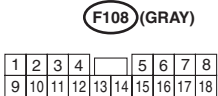
2. AUTO A/C MODEL

A-A/C-01

A-A/C-01



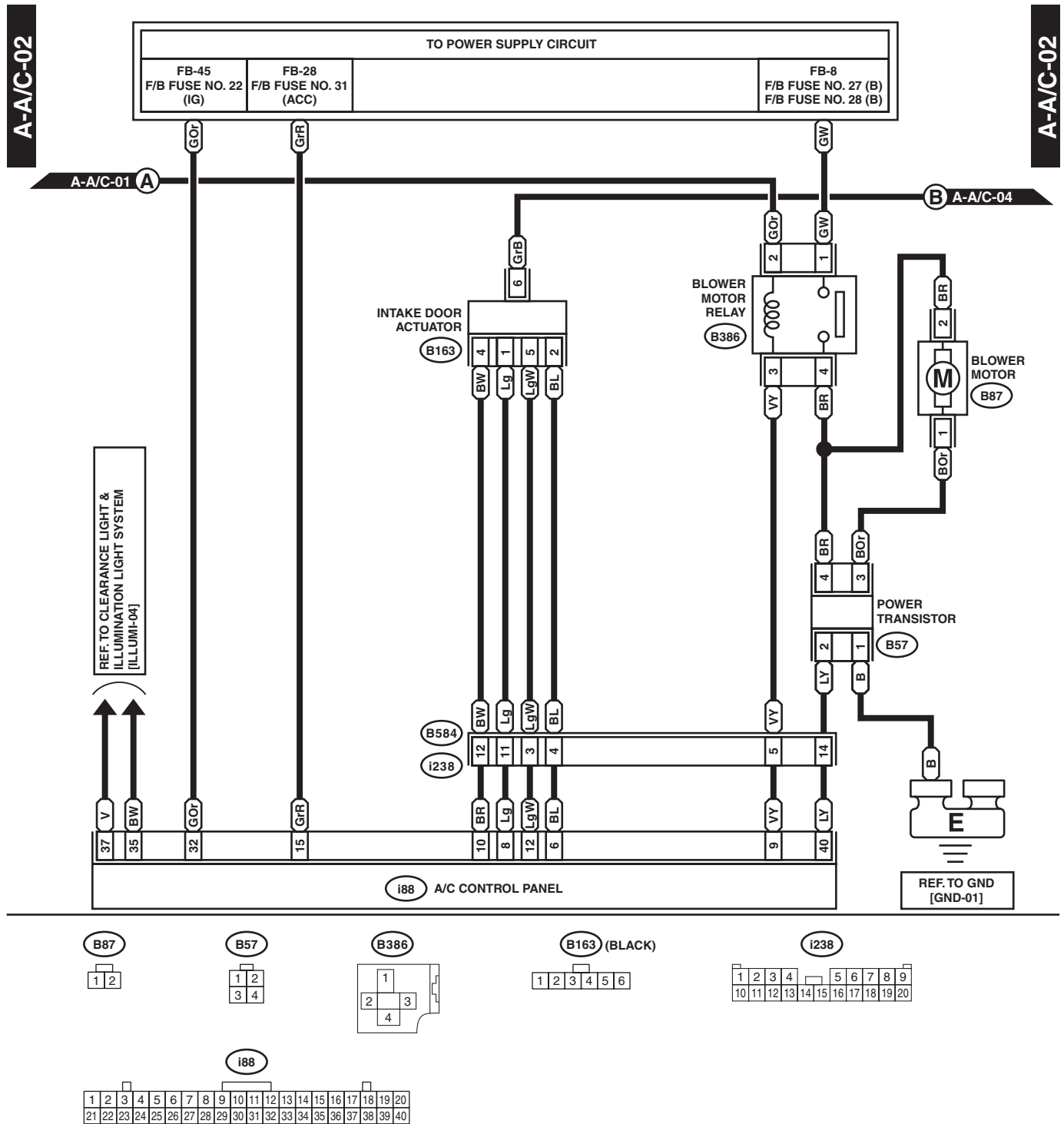
RELAY HOLDER



WI-48178

Air Conditioning System

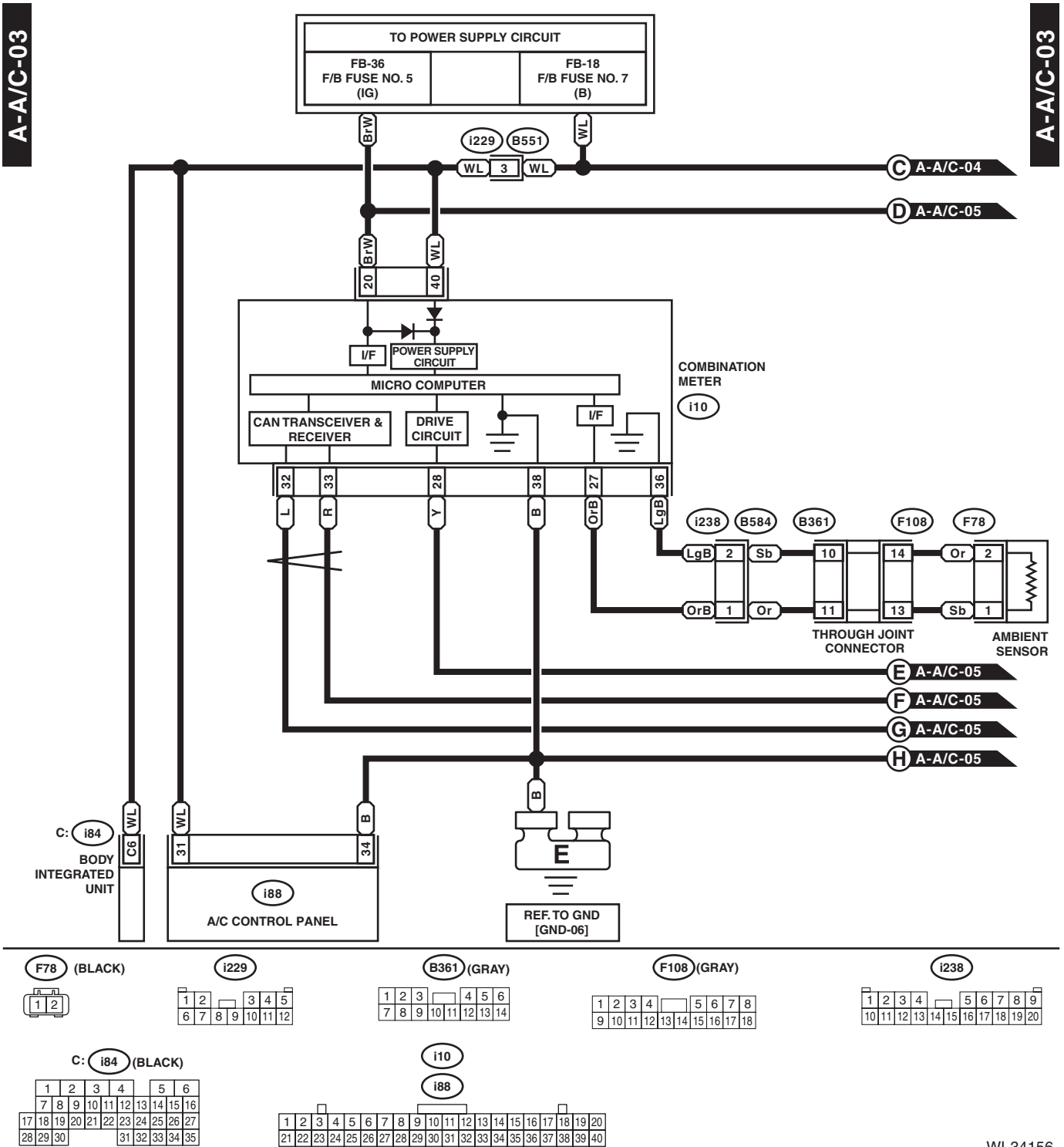
WIRING SYSTEM



WI-34155

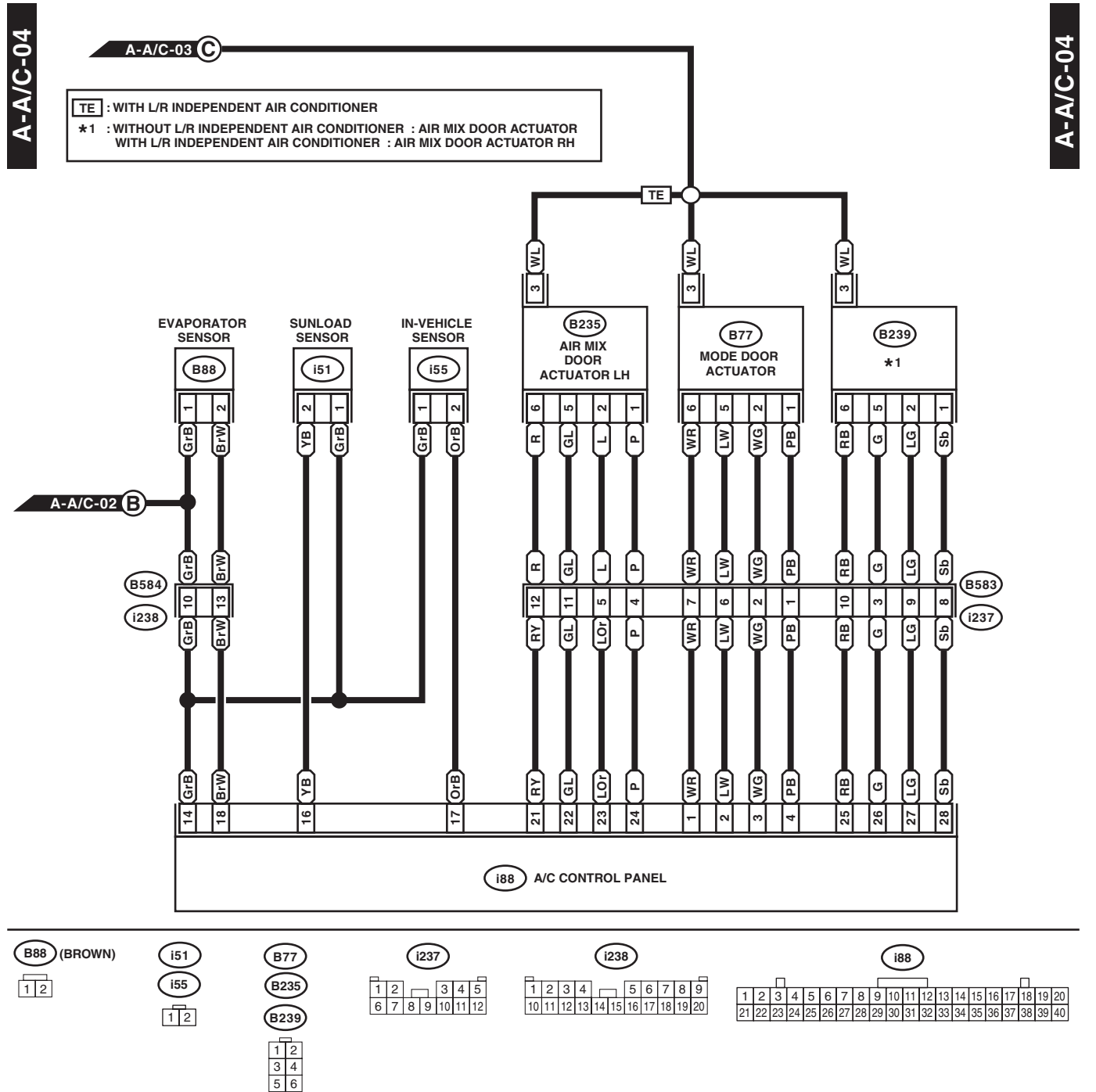
Air Conditioning System

WIRING SYSTEM



Air Conditioning System

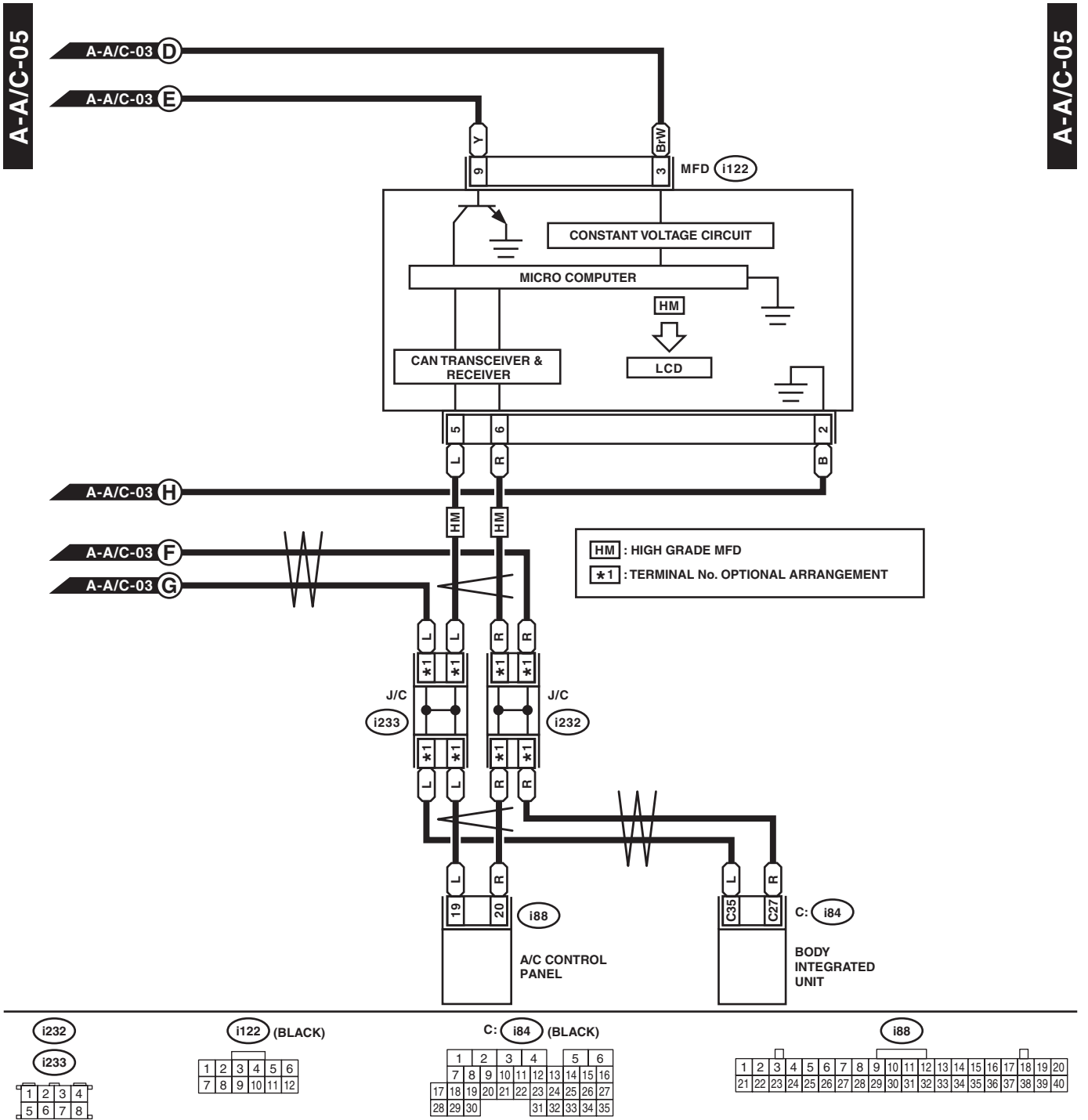
WIRING SYSTEM



WI-34157

Air Conditioning System

WIRING SYSTEM



WI-48179

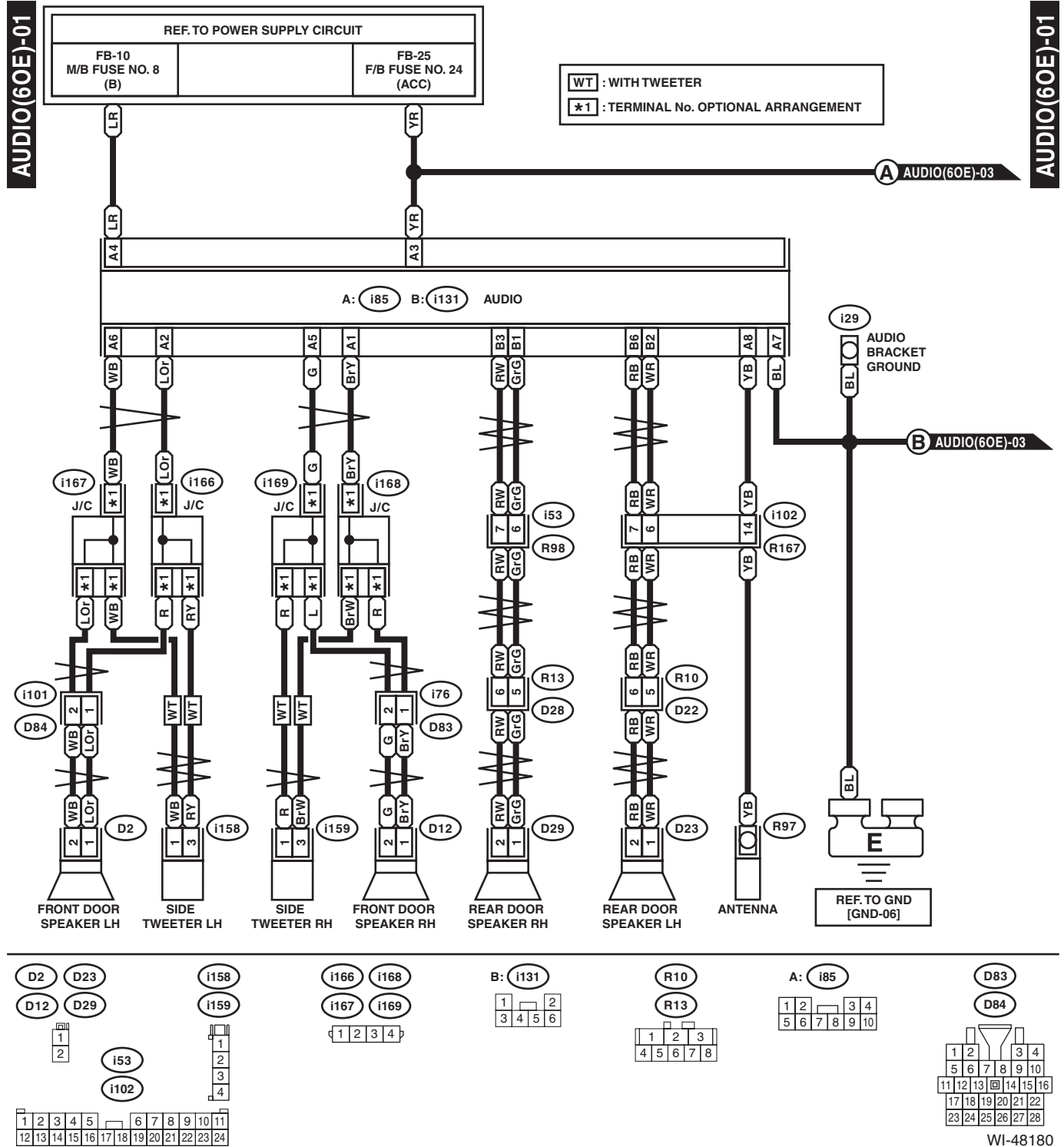
Audio System

WIRING SYSTEM

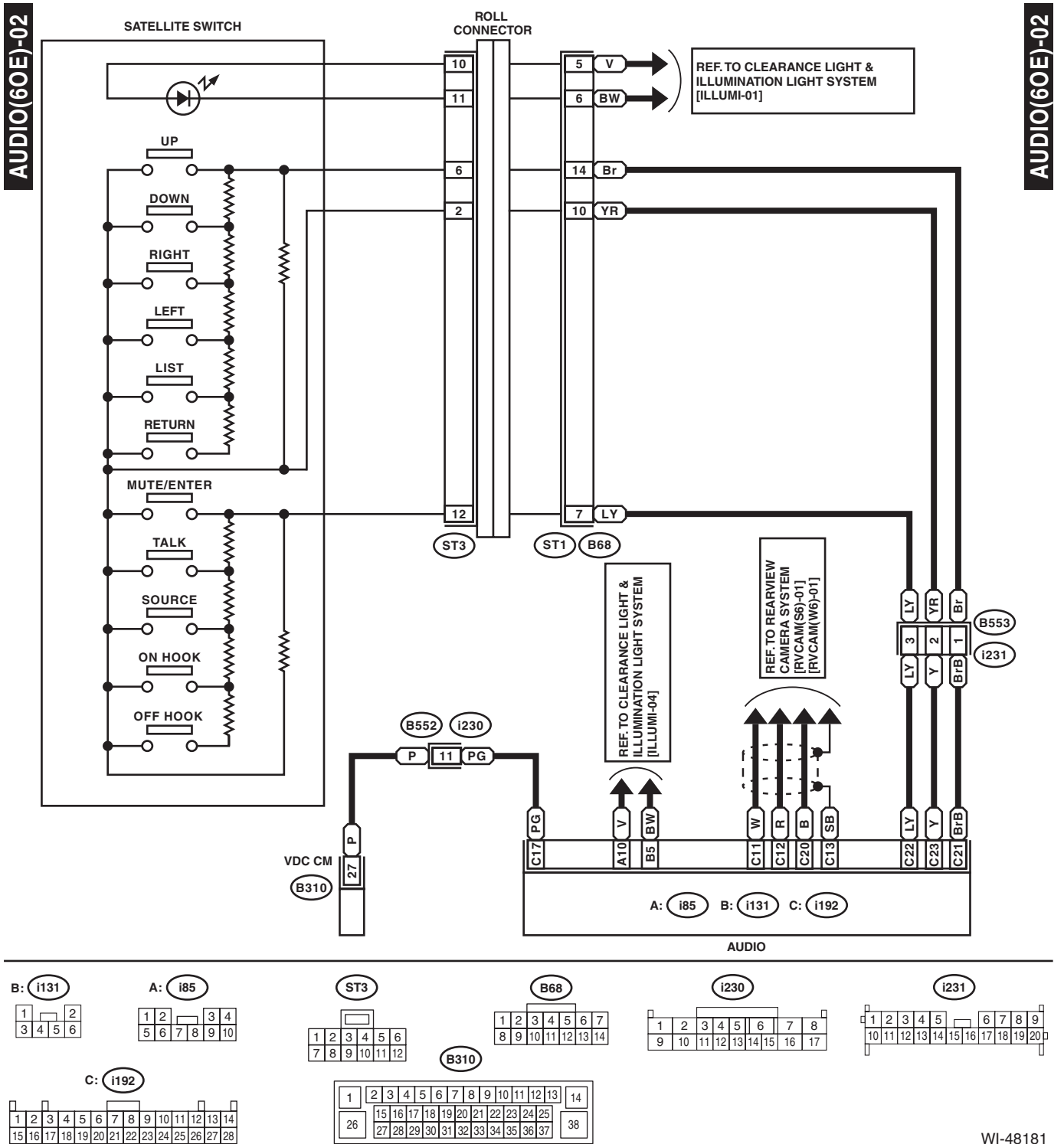
7. Audio System

A: WIRING DIAGRAM

1. 6.2 INCH DISPLAY (WITHOUT EyeSight)

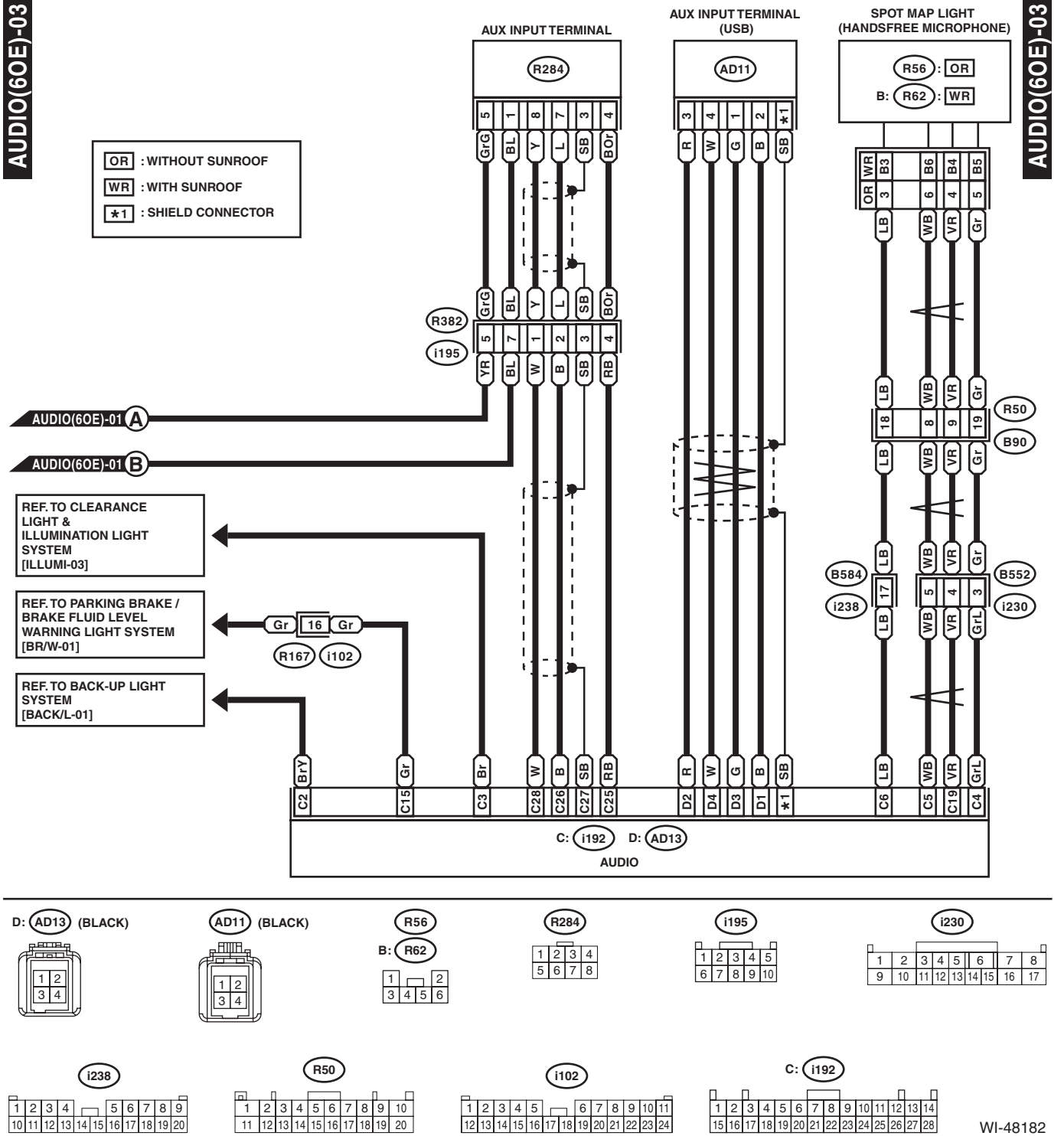


WIRING SYSTEM

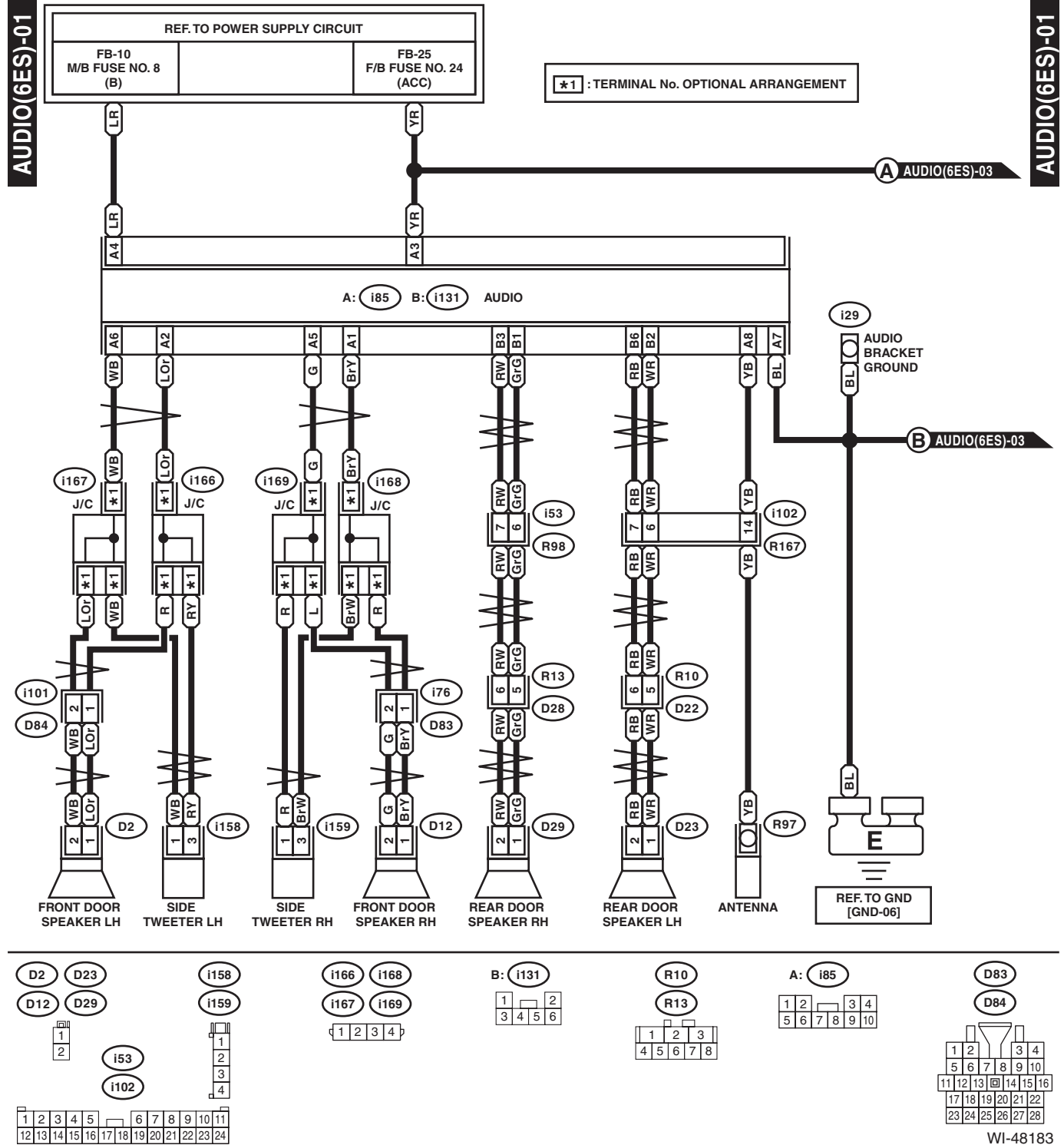


Audio System

WIRING SYSTEM

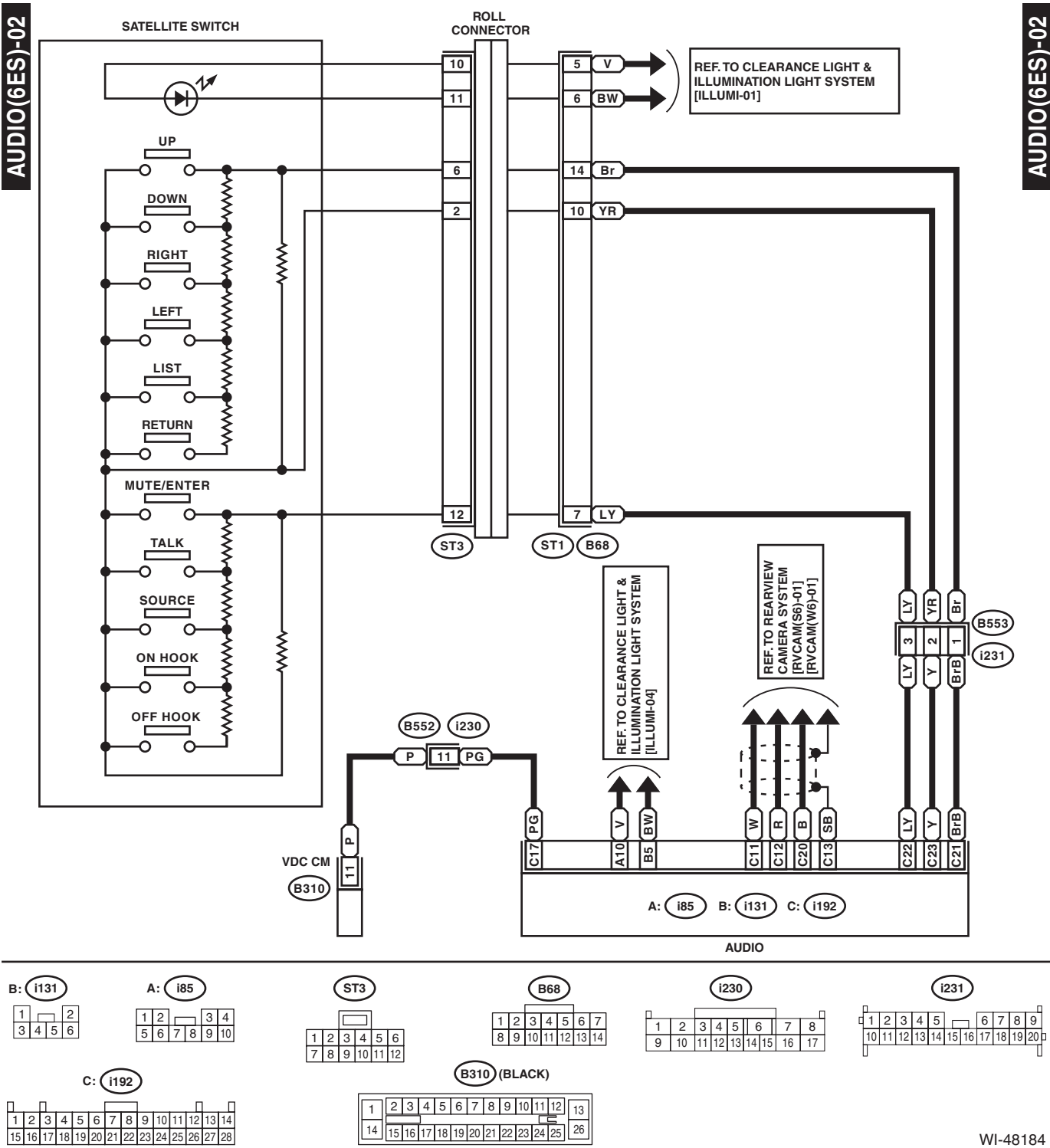


2. 6.2 INCH DISPLAY (WITH EyeSight)



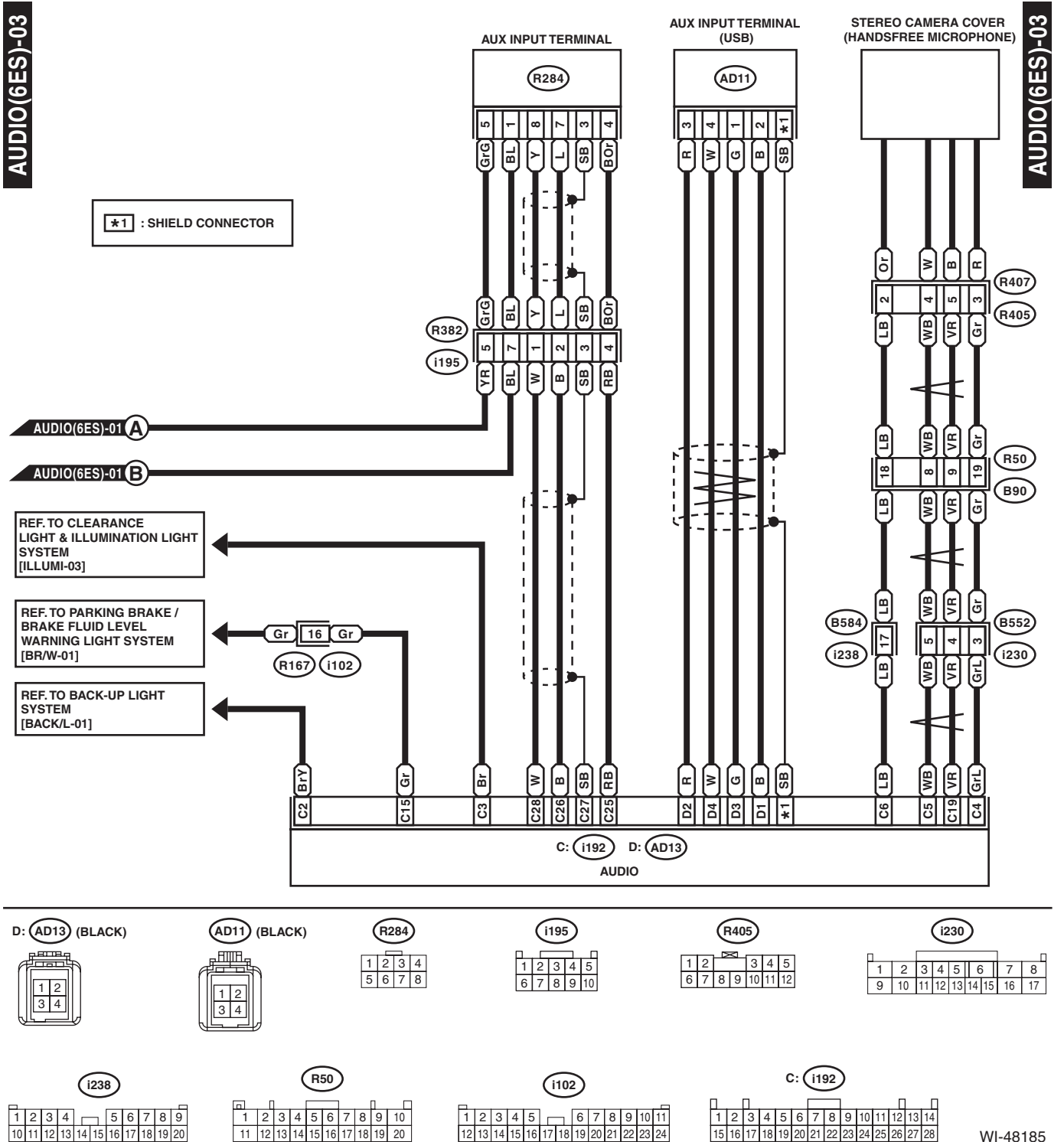
Audio System

WIRING SYSTEM



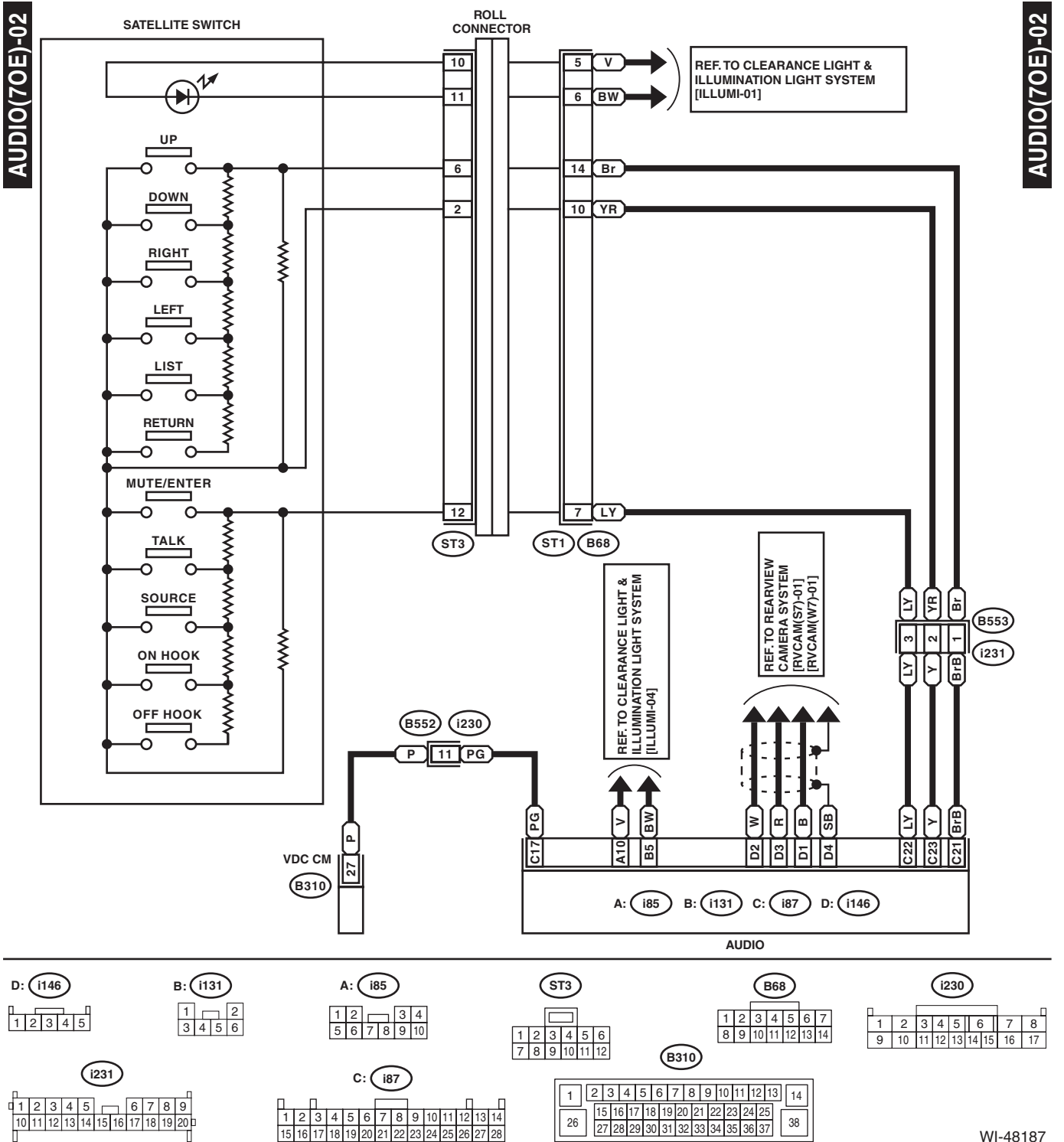
Audio System

WIRING SYSTEM



Audio System

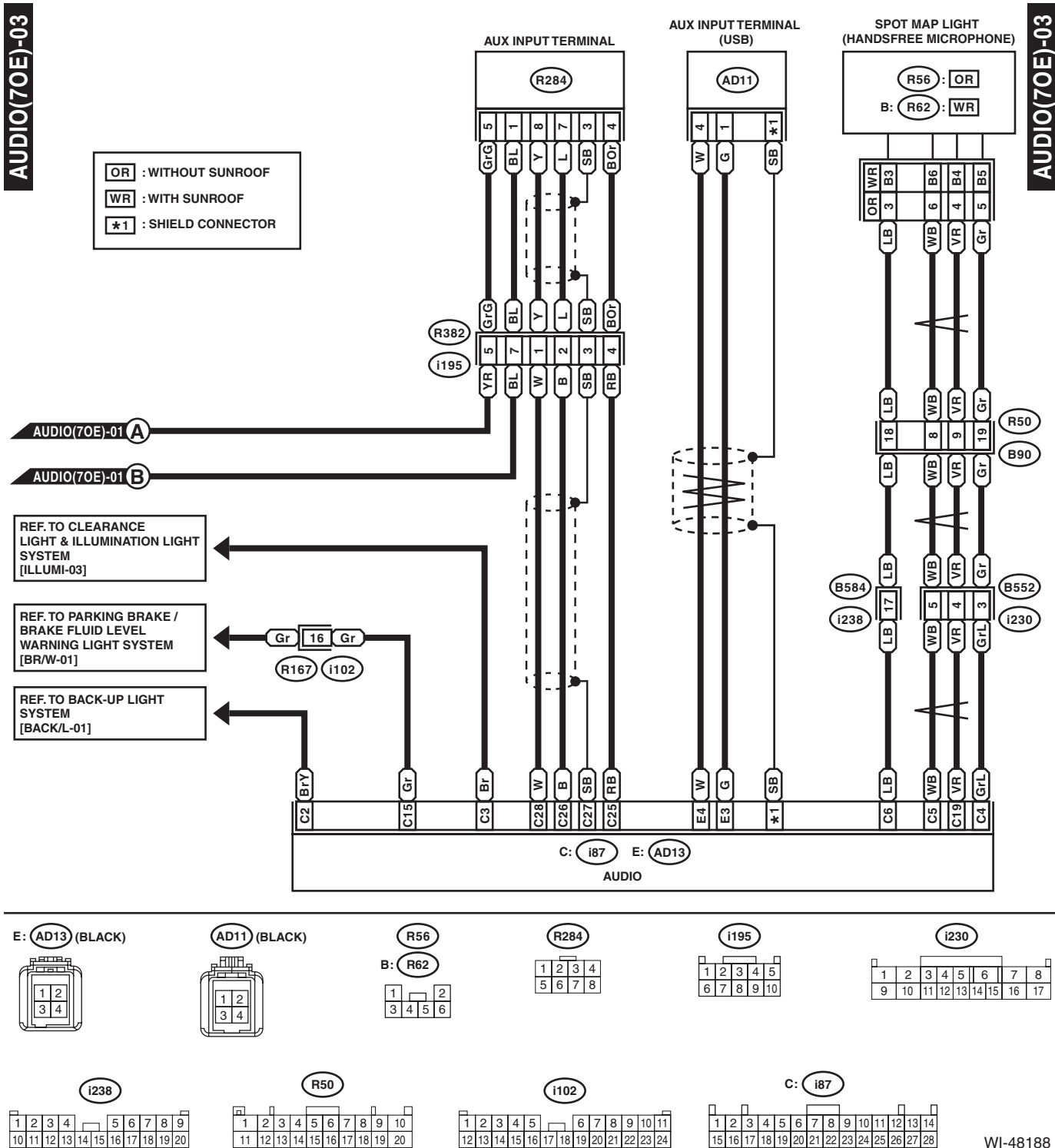
WIRING SYSTEM



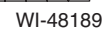
WI-48187

Audio System

WIRING SYSTEM

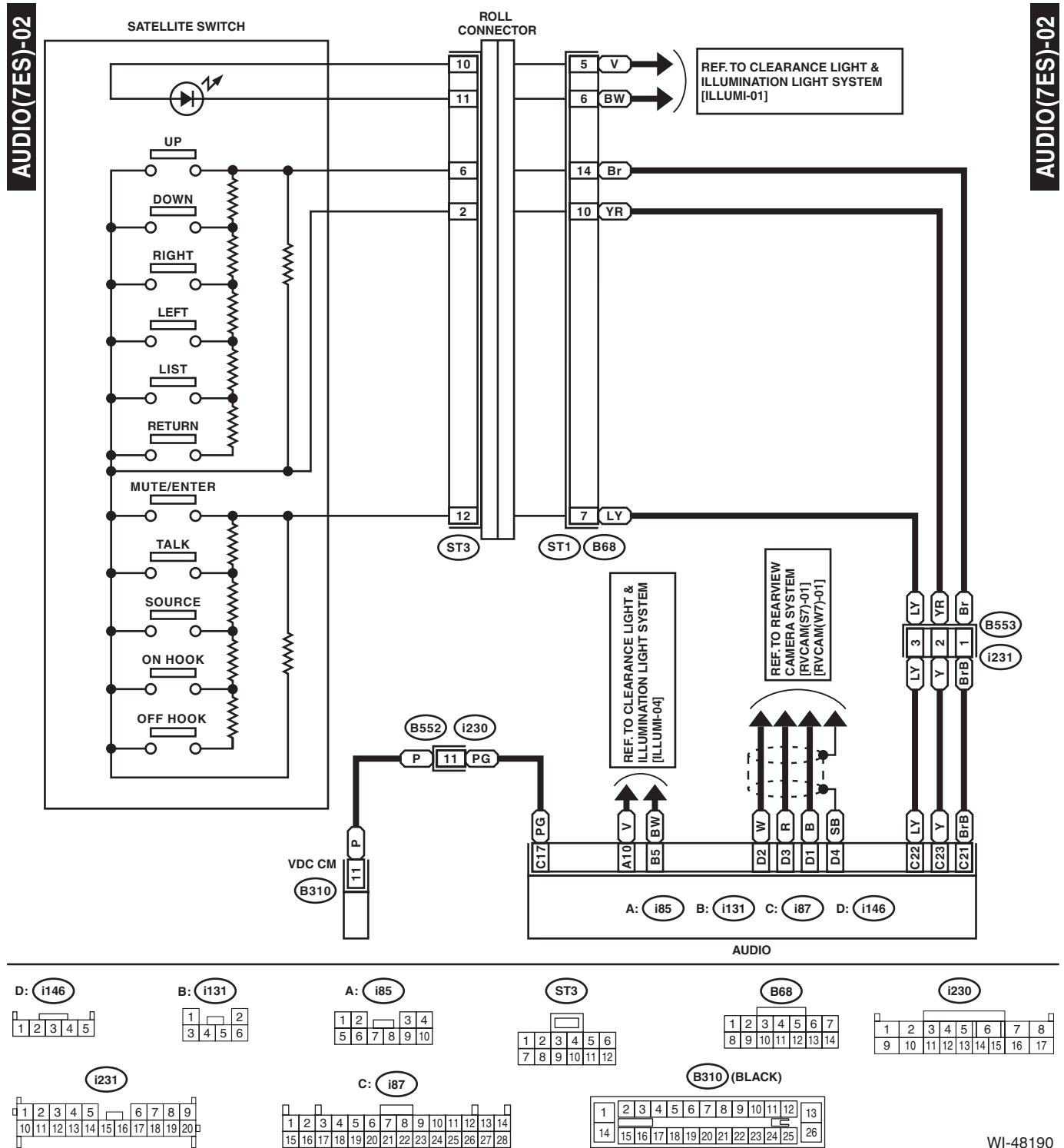


AUDIO(7ES)-01



WIRING SYSTEM

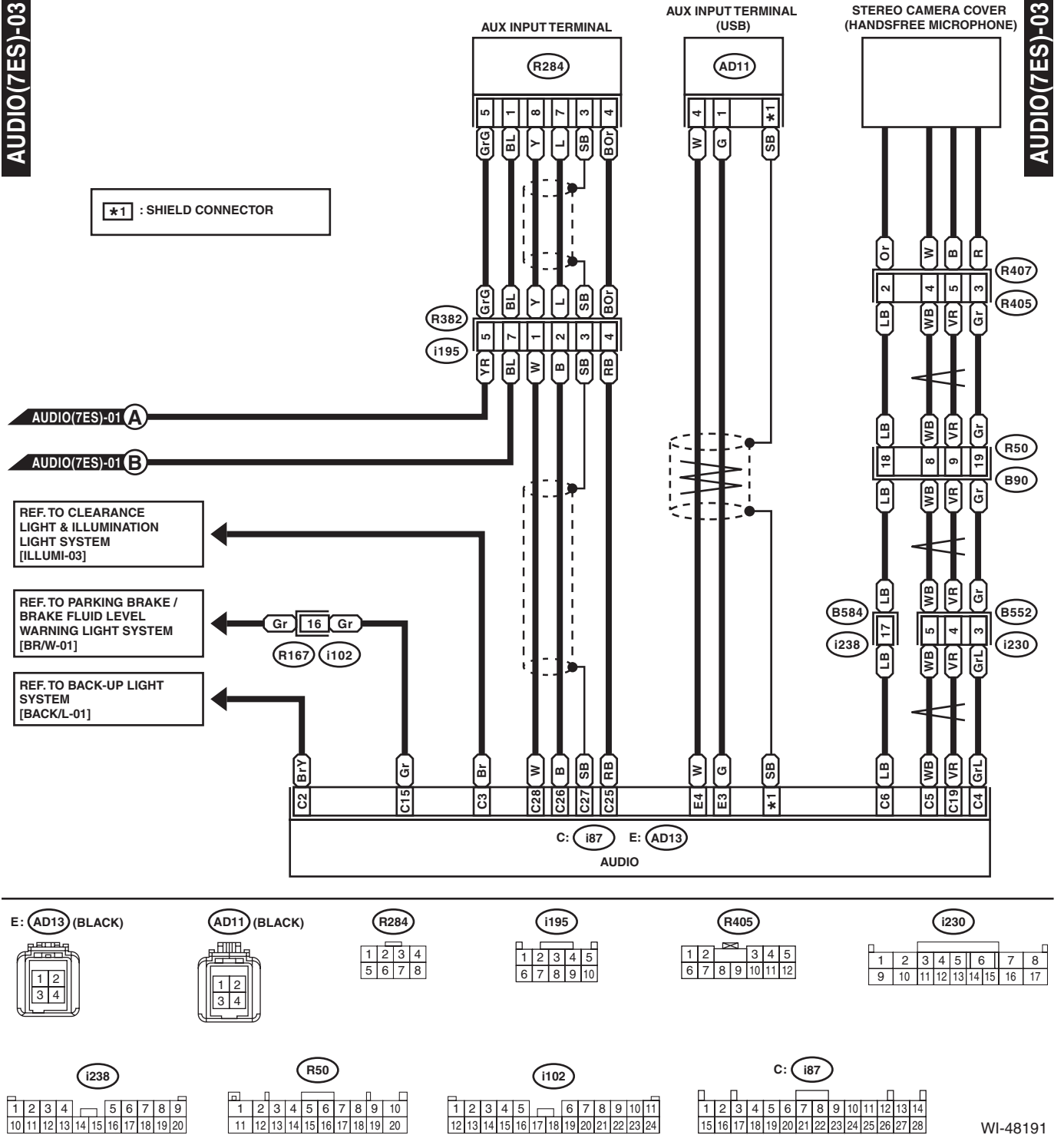
WIRING SYSTEM



WI(w/o HEV)-62

Audio System

WIRING SYSTEM



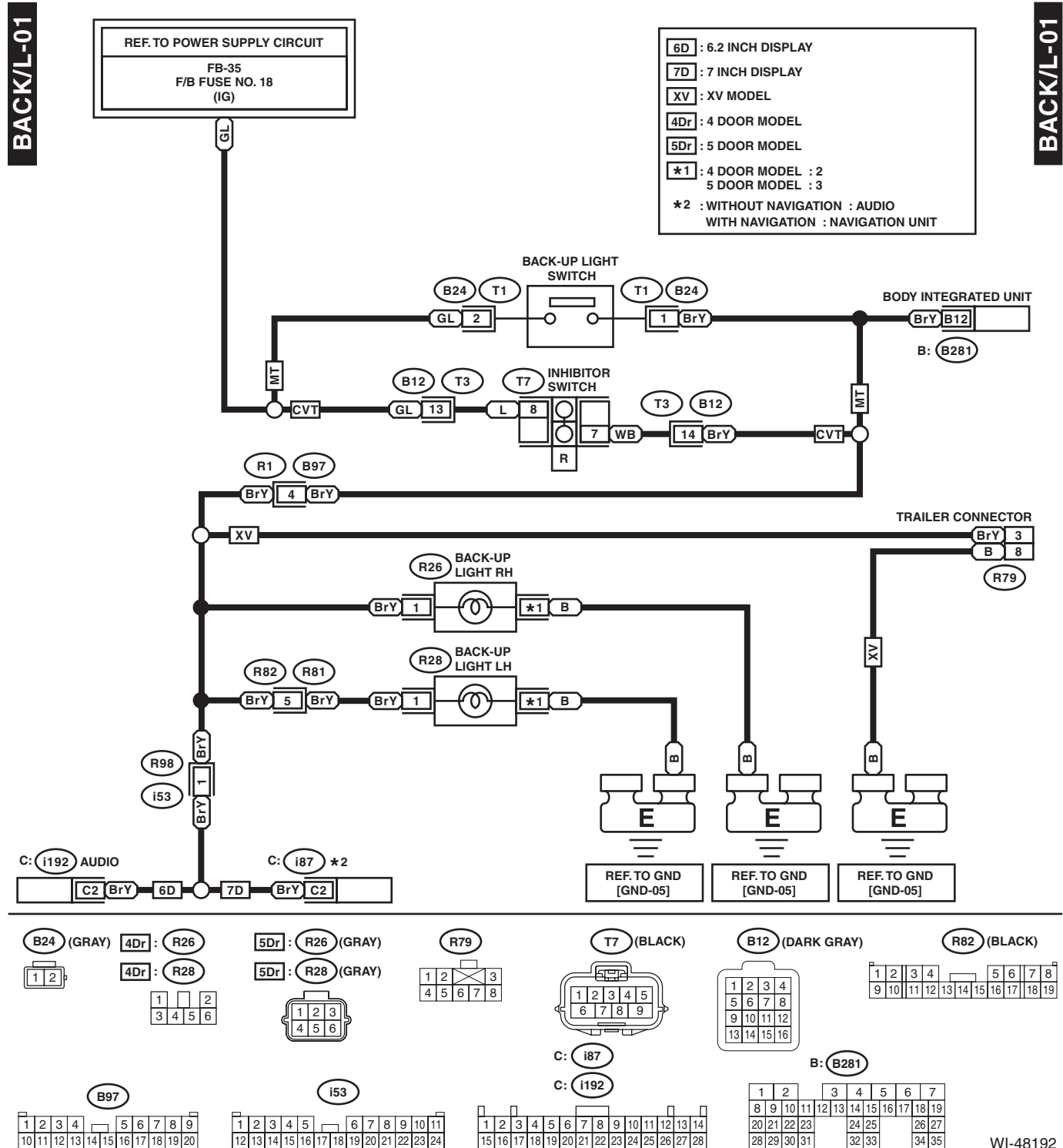
WI-48191

Back-up Light System

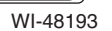
WIRING SYSTEM

8. Back-up Light System

A: WIRING DIAGRAM

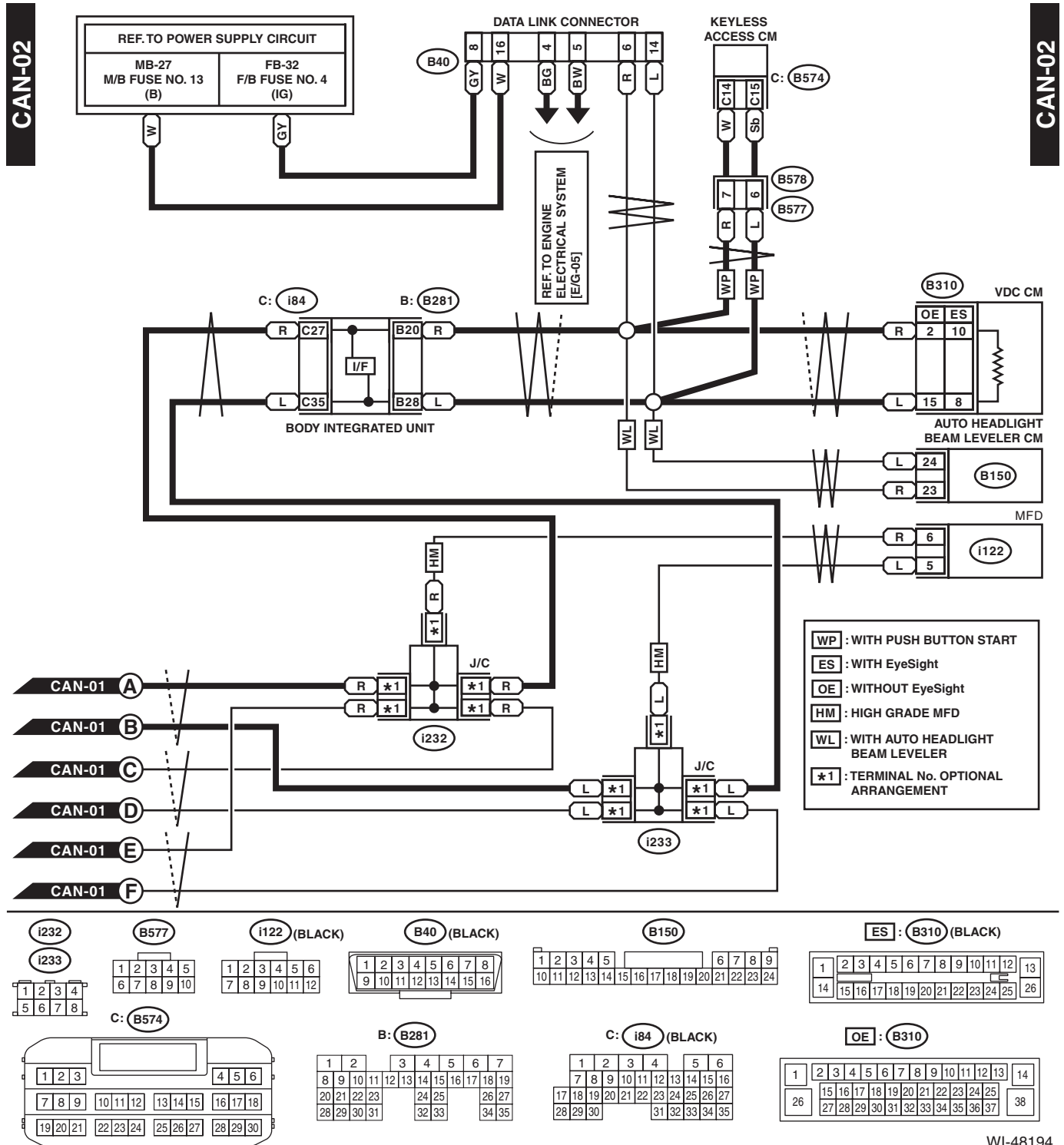


A: WIRING DIAGRAM



CAN Communication System

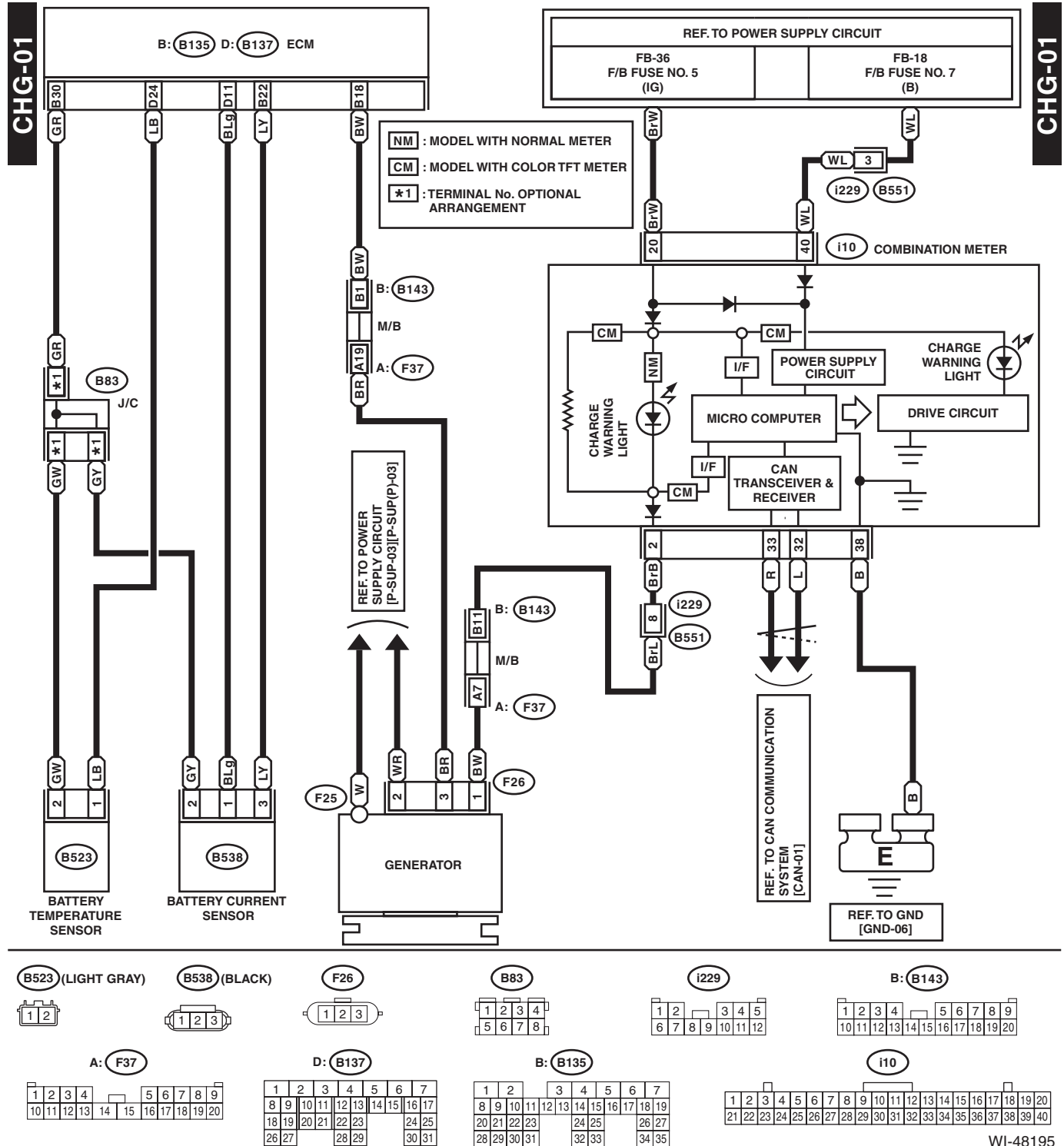
WIRING SYSTEM



WI-48194

10. Charging System

A: WIRING DIAGRAM



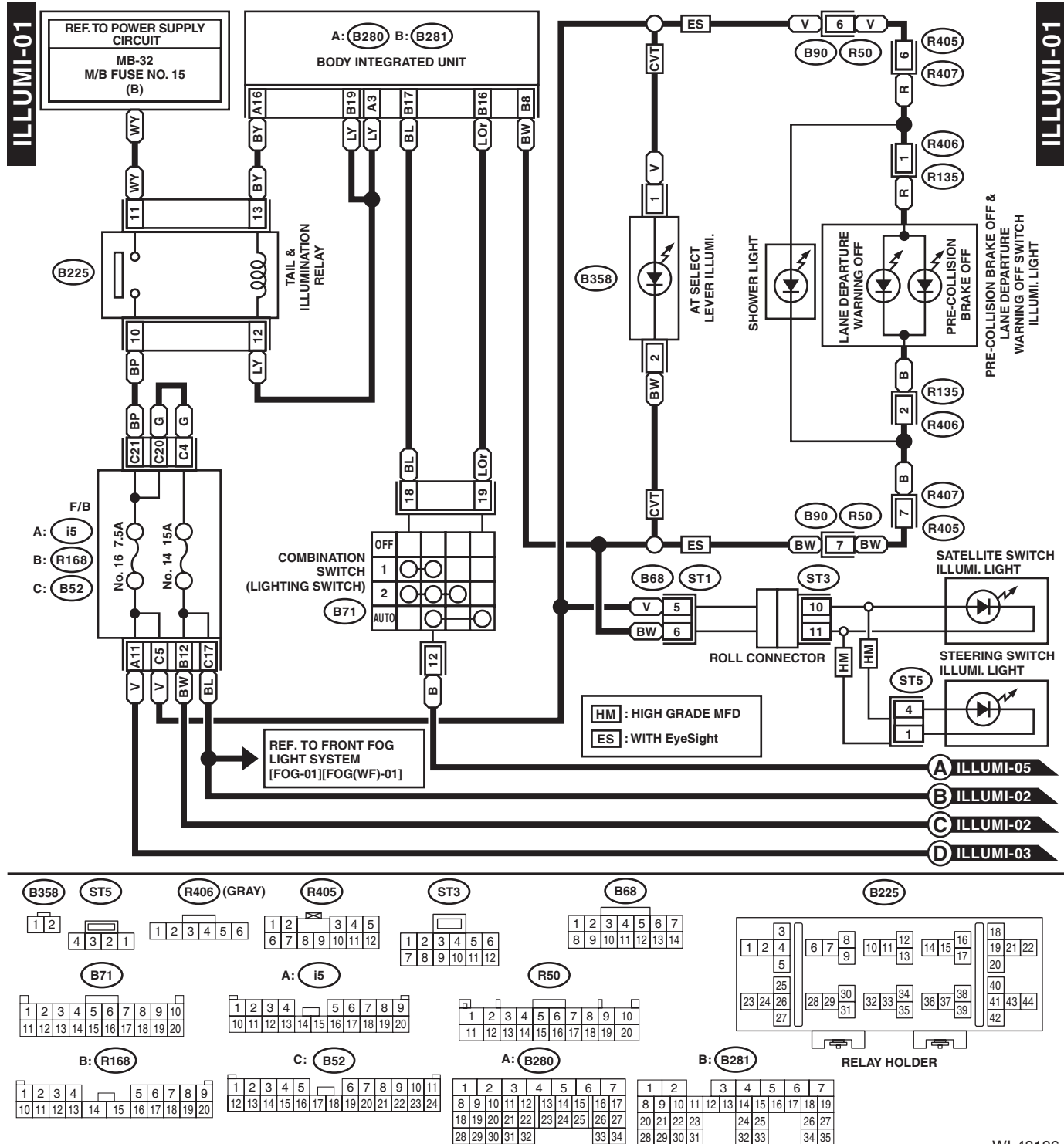
WI-48195

Clearance Light and Illumination Light System

WIRING SYSTEM

11. Clearance Light and Illumination Light System

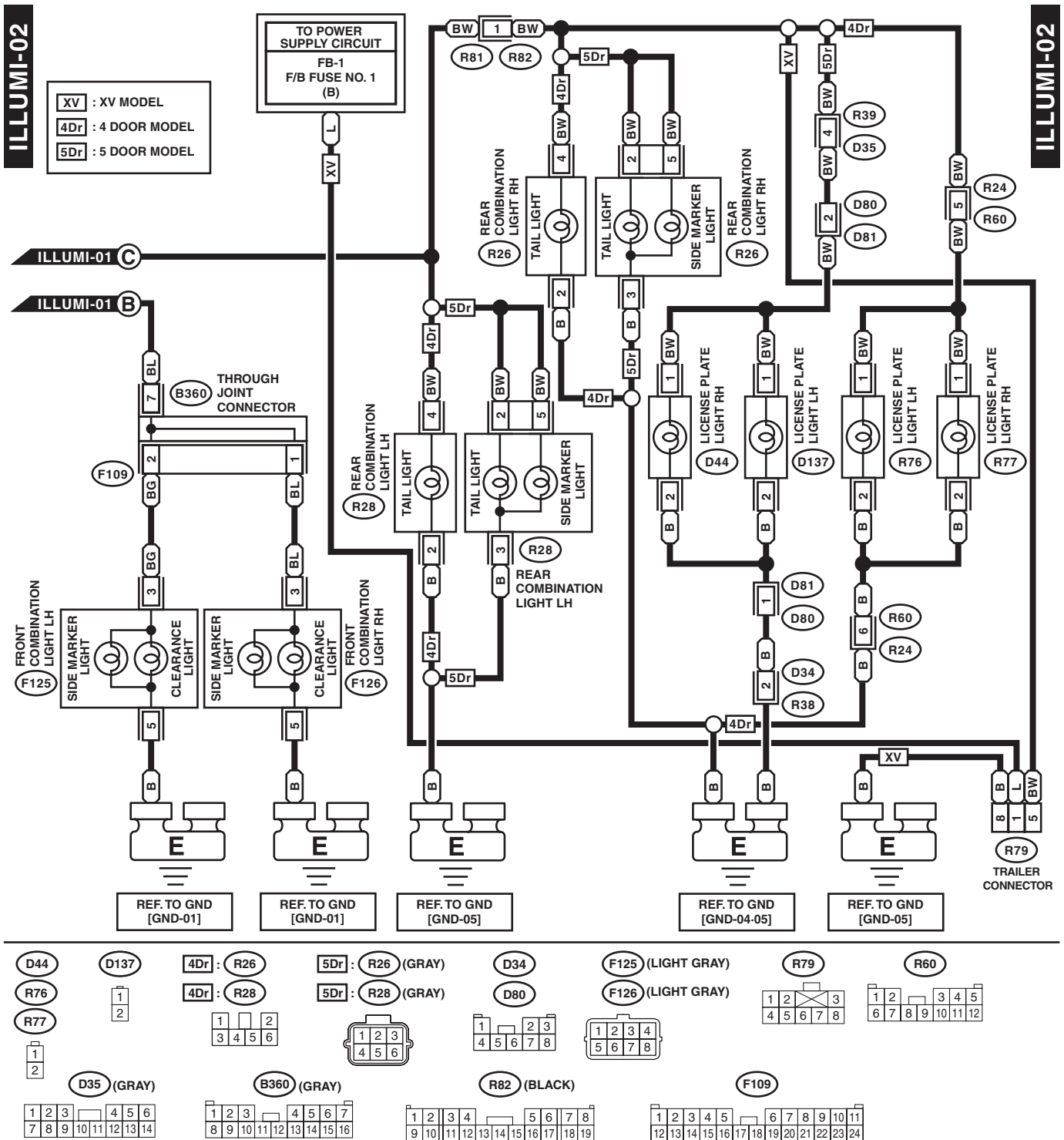
A: WIRING DIAGRAM



WI-48196

Clearance Light and Illumination Light System

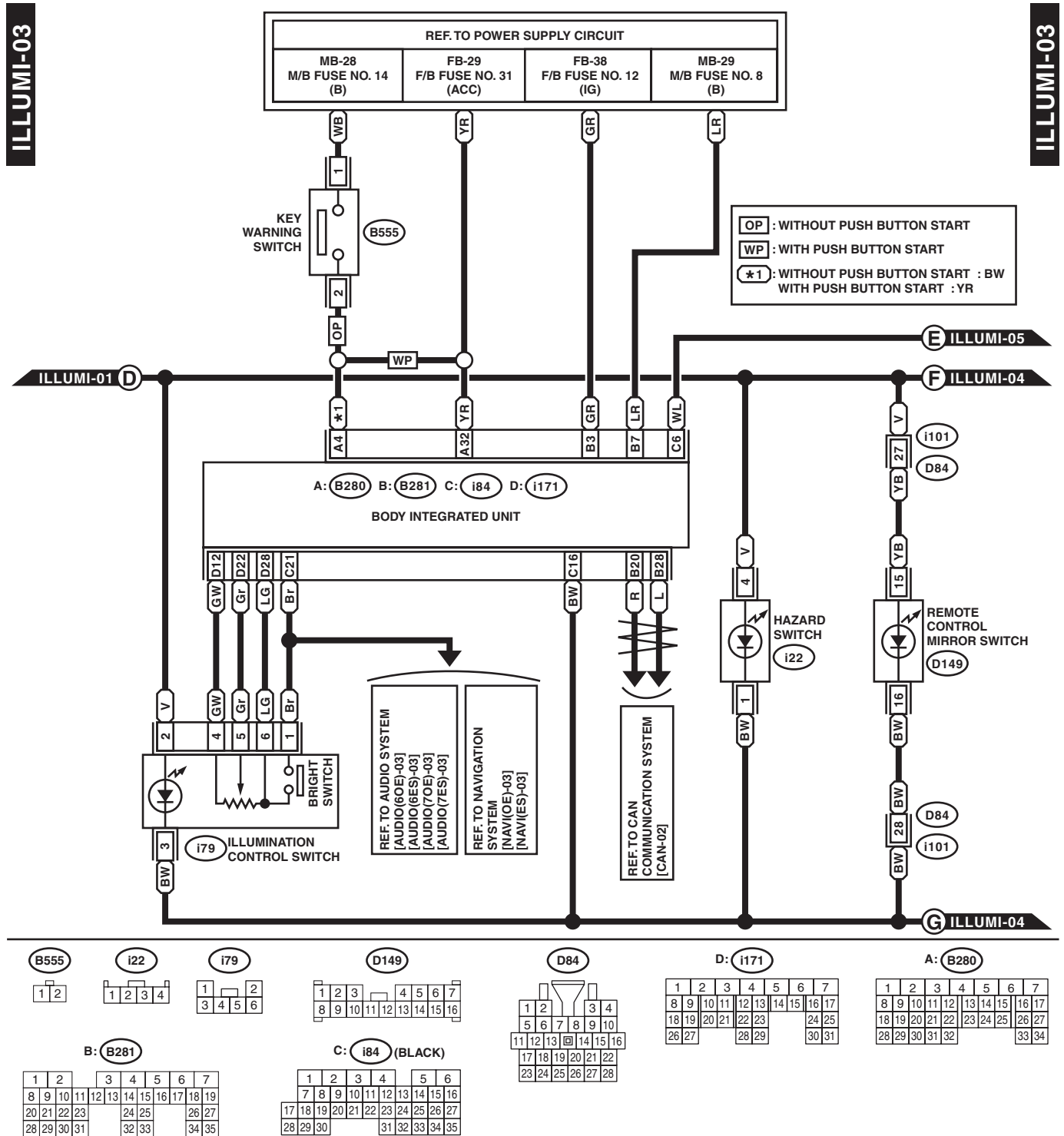
WIRING SYSTEM



WI-37820

Clearance Light and Illumination Light System

WIRING SYSTEM



WI-48197

Clearance Light and Illumination Light System

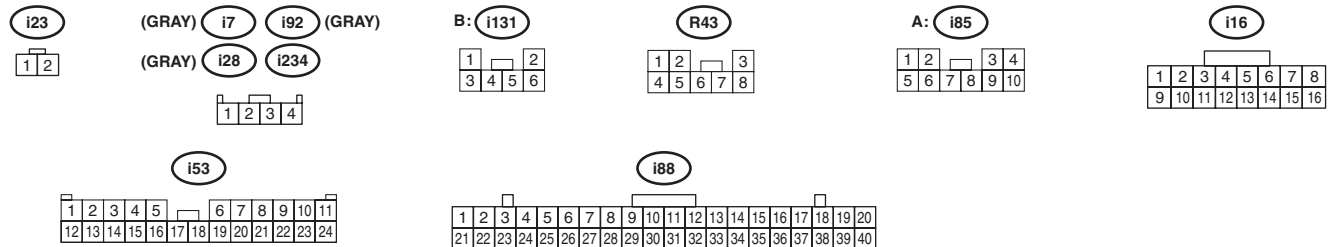
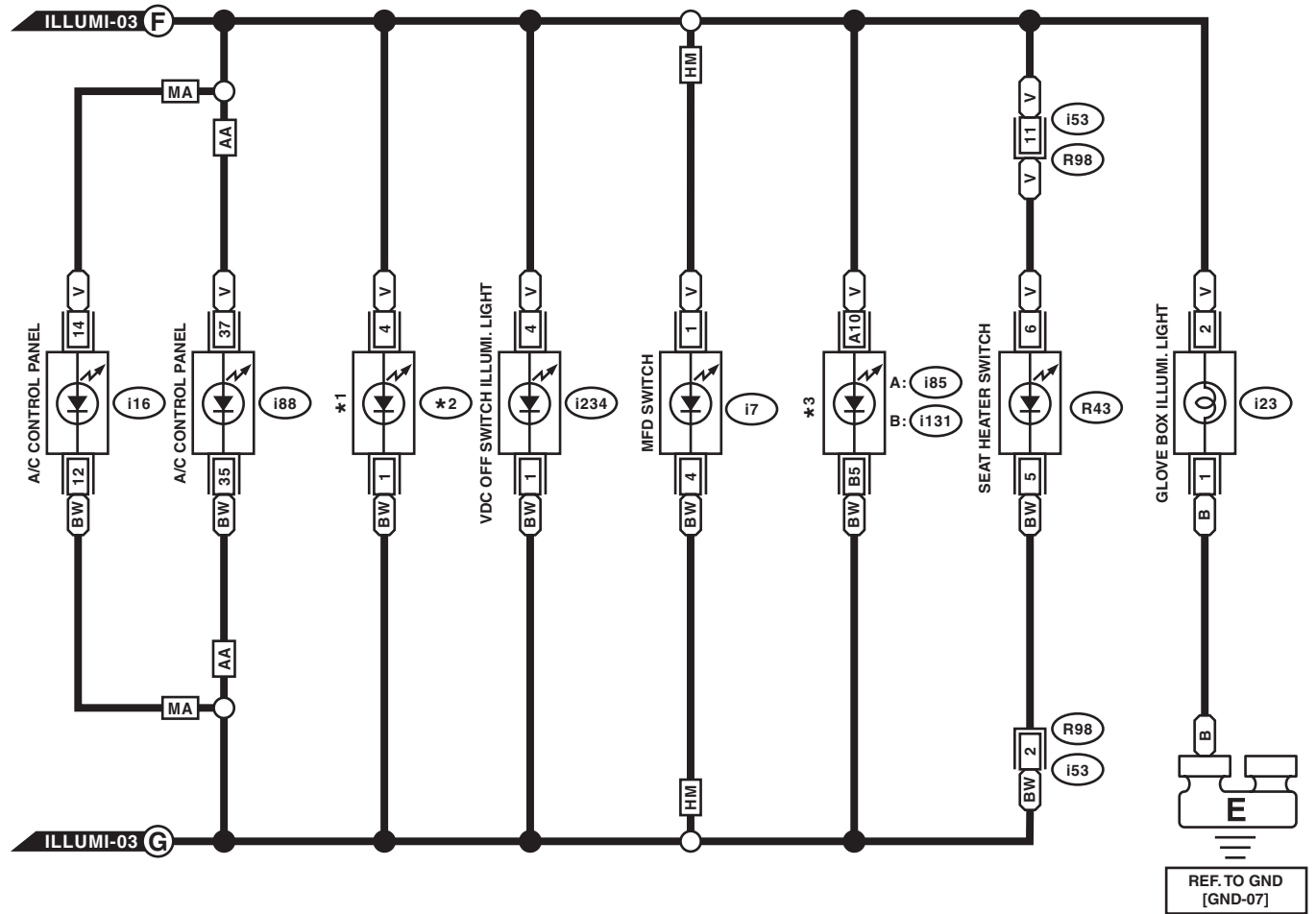
WIRING SYSTEM

ILLUMI-04

MA : MANUAL A/C
AA : AUTO A/C
HM : HIGH GRADE MFD

*1 : WITHOUT SRF : OP CONNECTOR (FOG LIGHT SWITCH)
WITH SRF : SRF OFF SWITCH
*2 : WITHOUT SRF : i28
WITH SRF : i92
*3 : WITHOUT NAVIGATION : AUDIO
WITH NAVIGATION : NAVIGATION UNIT

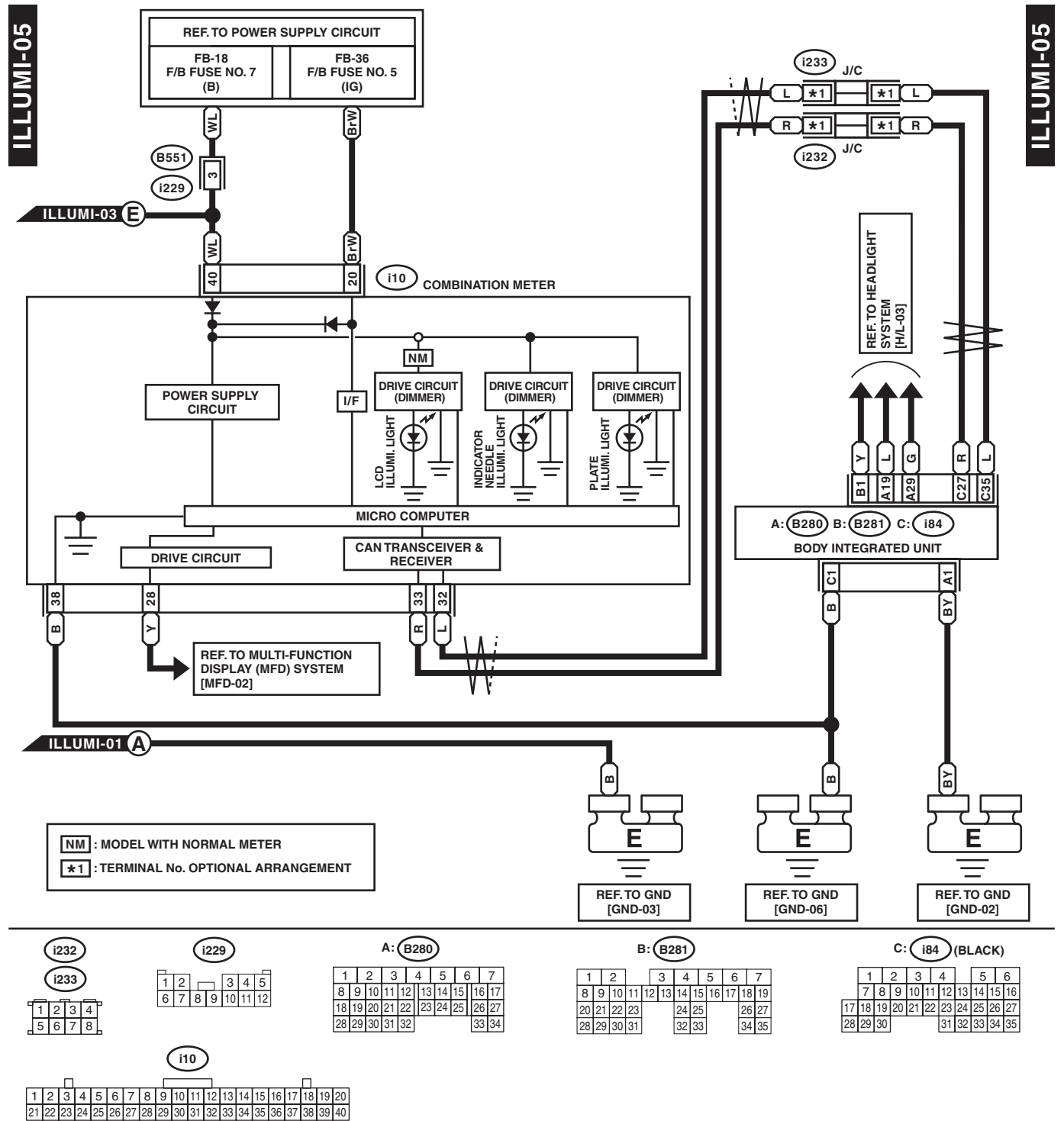
ILLUMI-04



WI-48198

Clearance Light and Illumination Light System

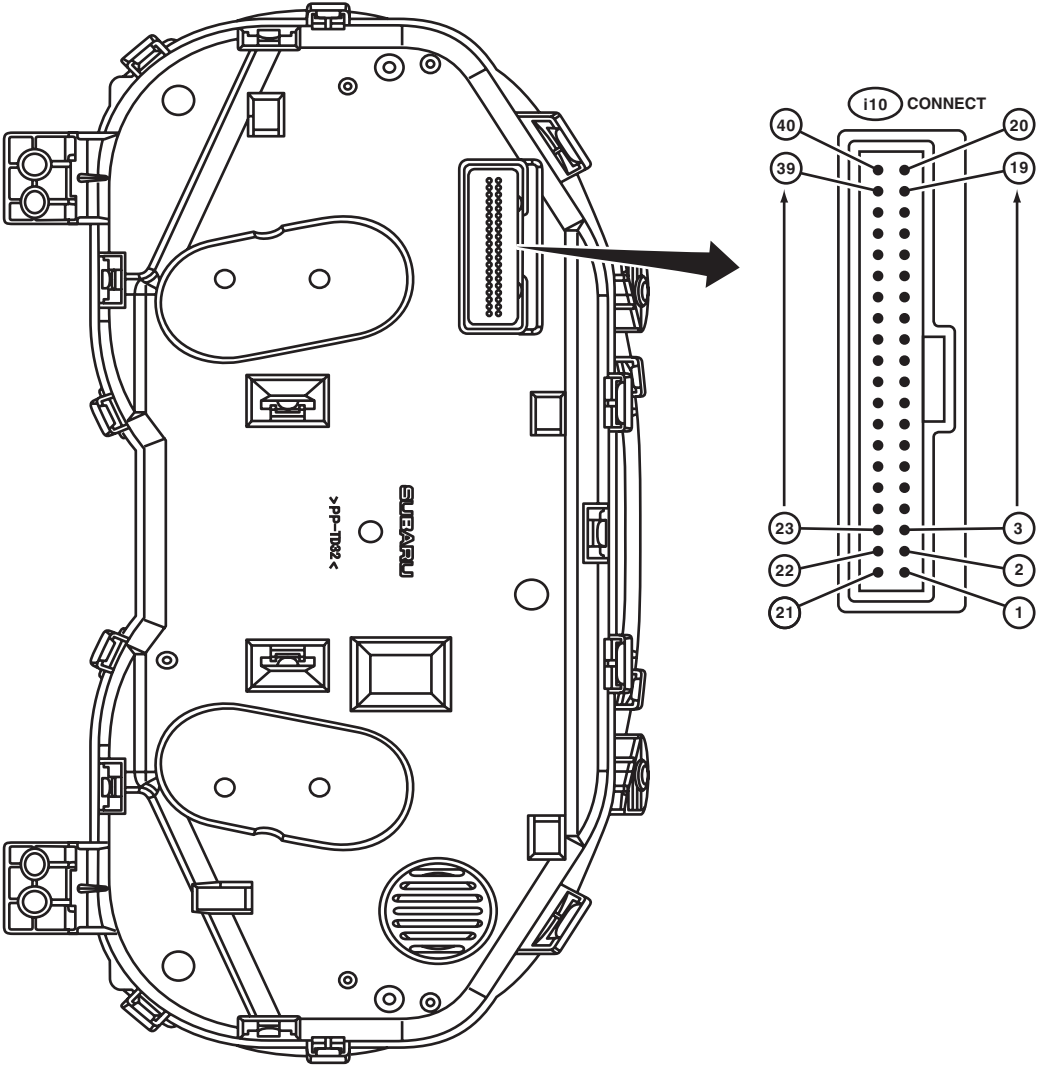
WIRING SYSTEM



12. Combination Meter System

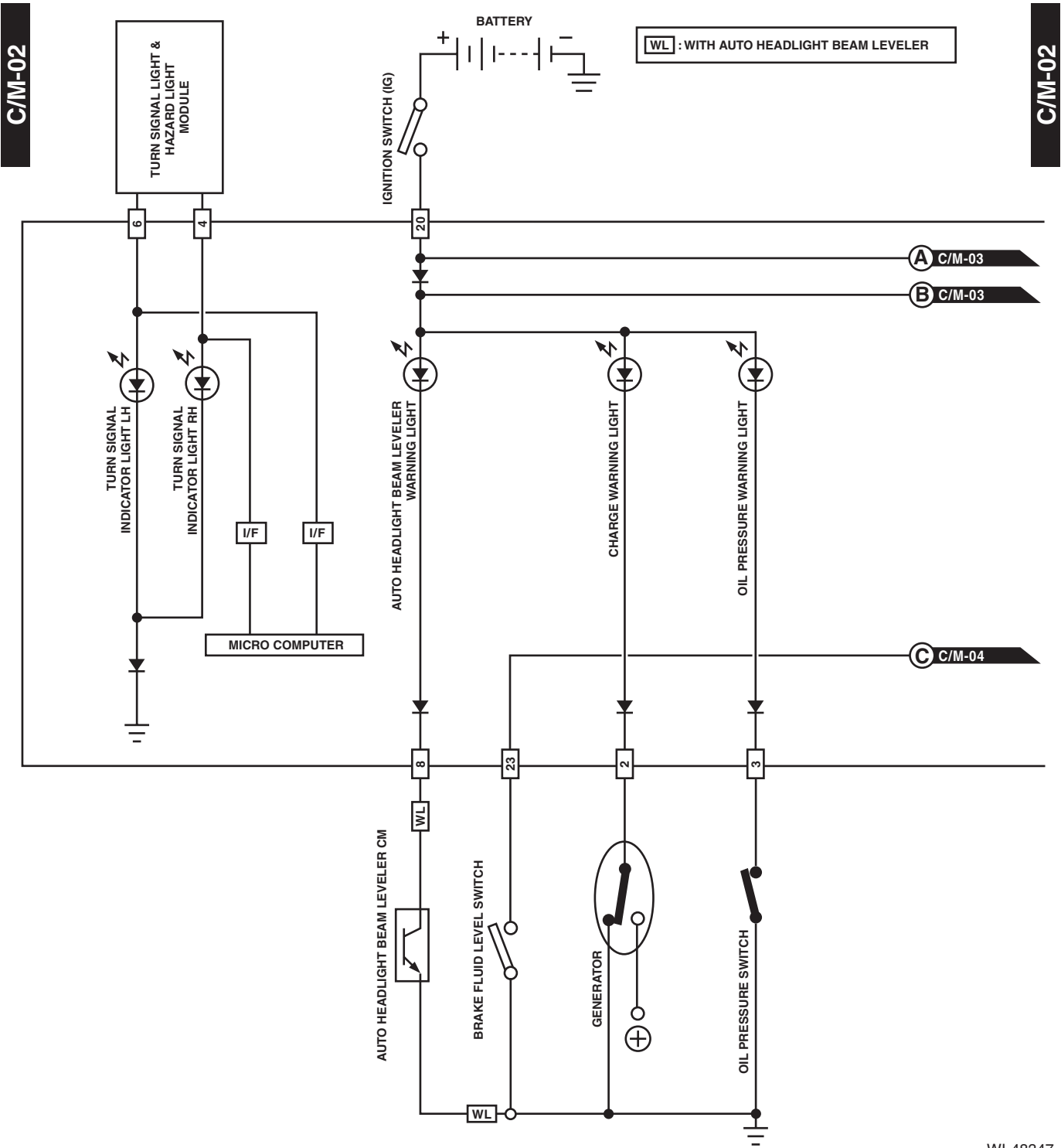
A: WIRING DIAGRAM

1. MODEL WITH NORMAL METER



Combination Meter System

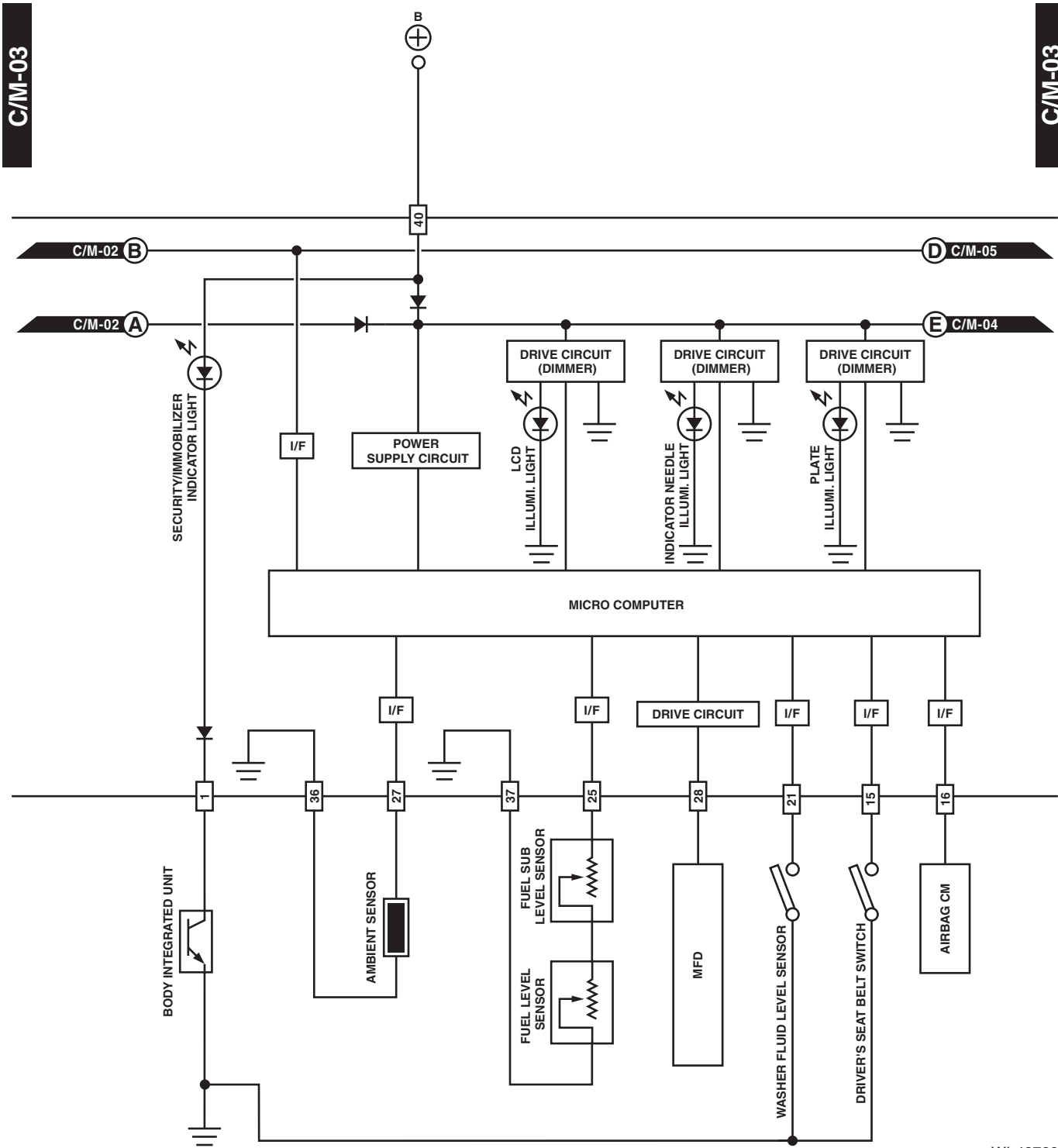
WIRING SYSTEM



WI-48347

Combination Meter System

WIRING SYSTEM



WI-48729

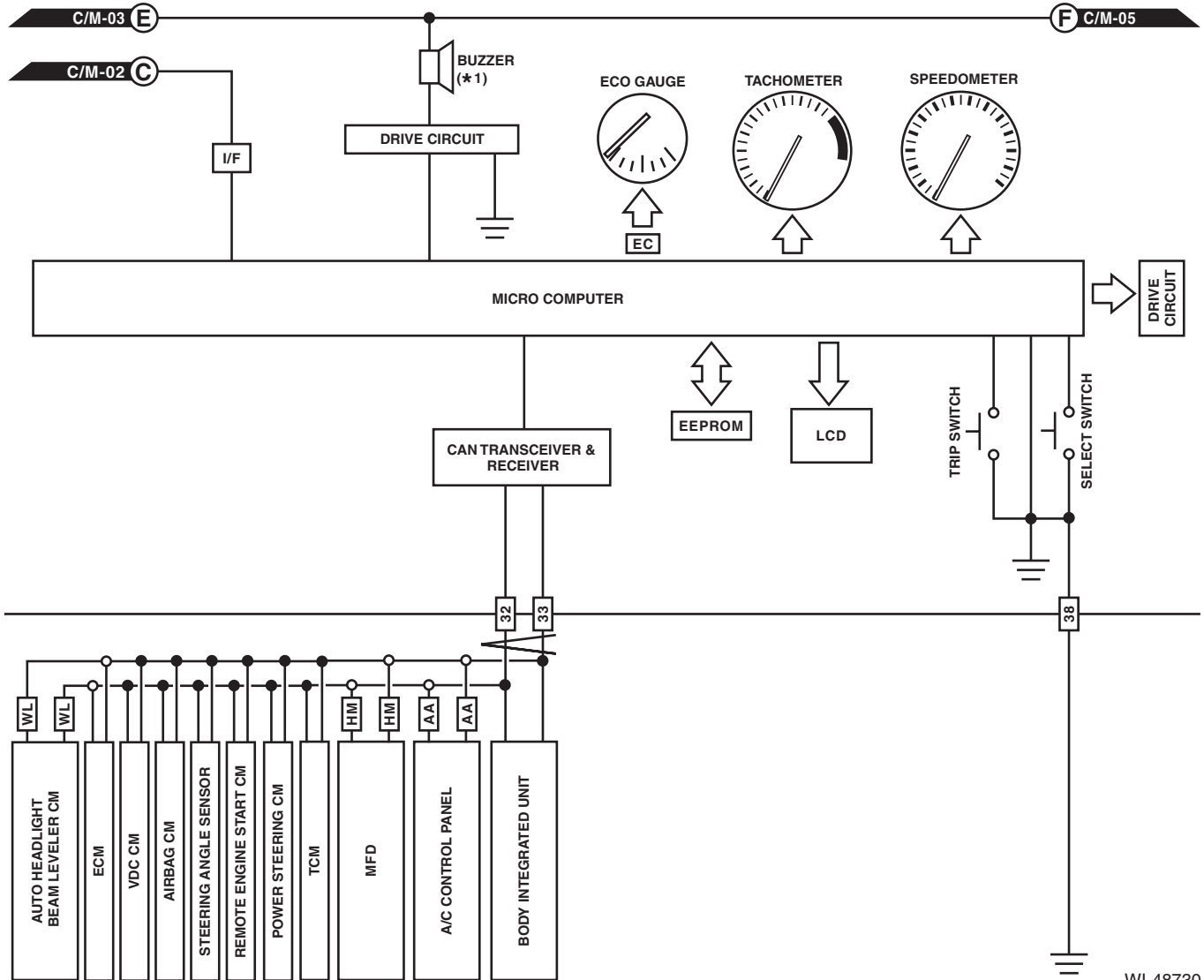
Combination Meter System

WIRING SYSTEM

C/M-04

- AA** : AUTO A/C
- HM** : HIGH GRADE MFD
- EC** : WITH ECO GAUGE
- WL** : WITH AUTO HEADLIGHT BEAM LEVELER
- *1** : SEAT BELT
KEY WARNING
HEADLIGHT ON WARNING
CUSTOMIZED
MANUAL SHIFT

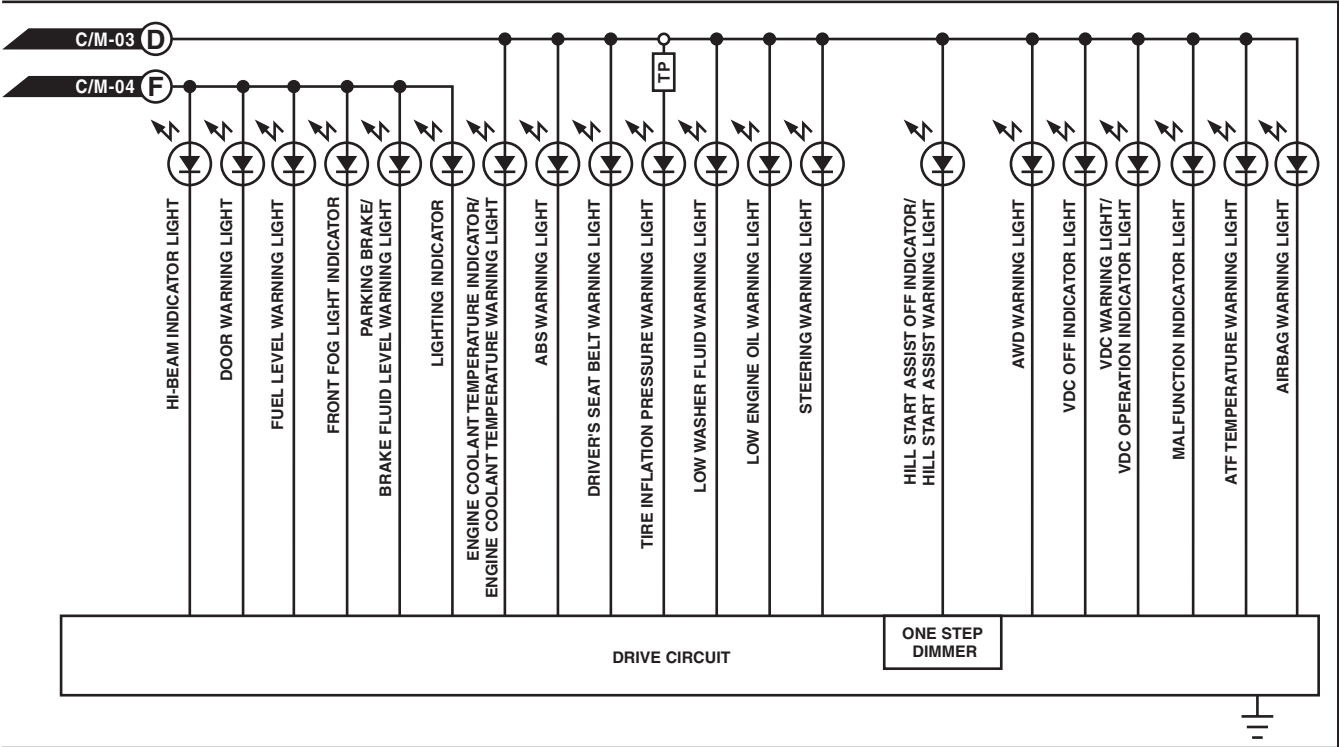
C/M-04



WI-48730

C/M-05

C/M-05



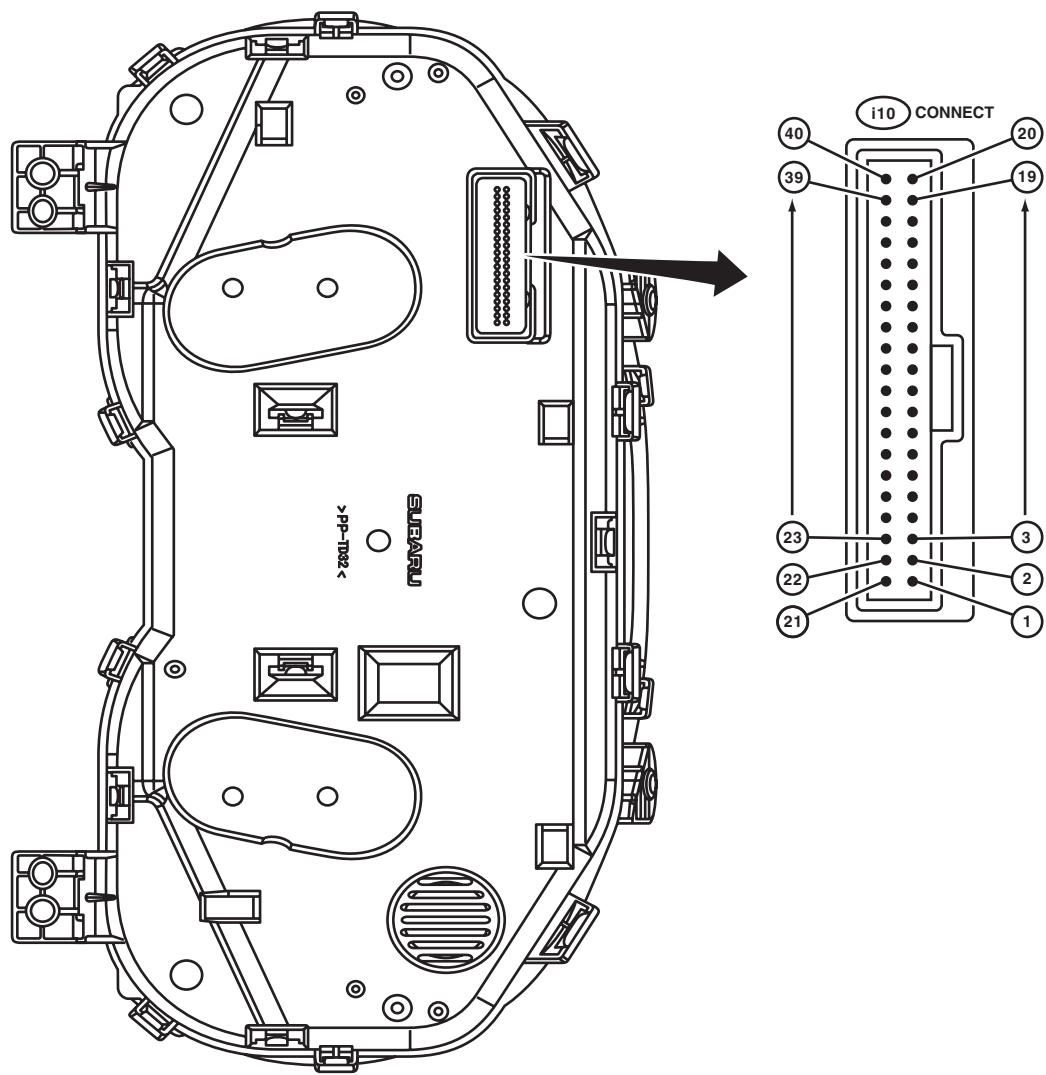
Combination Meter System

WIRING SYSTEM

2. MODEL WITH COLOR TFT METER

C/M(CM)-01

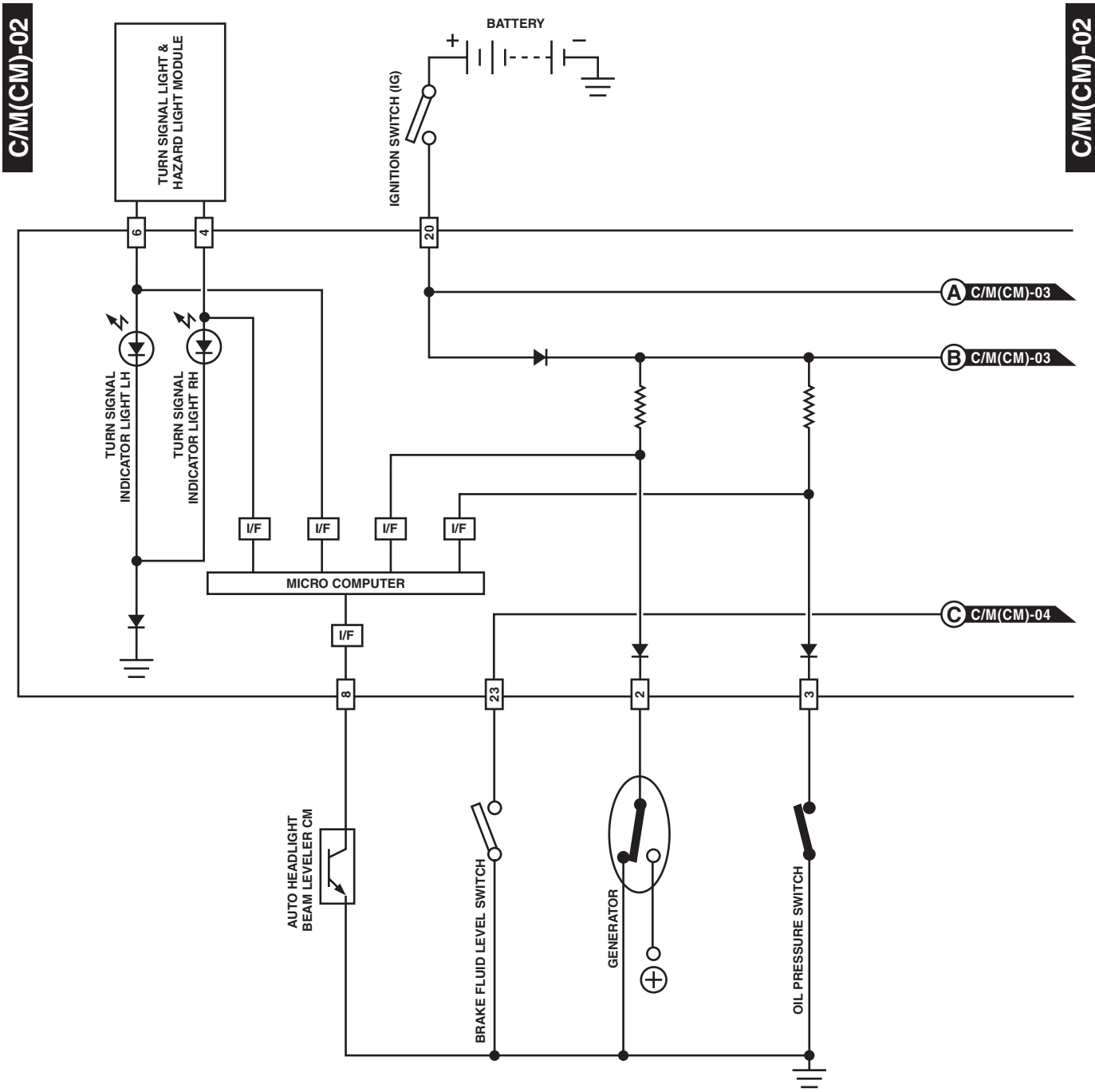
C/M(CM)-01



WI-48200

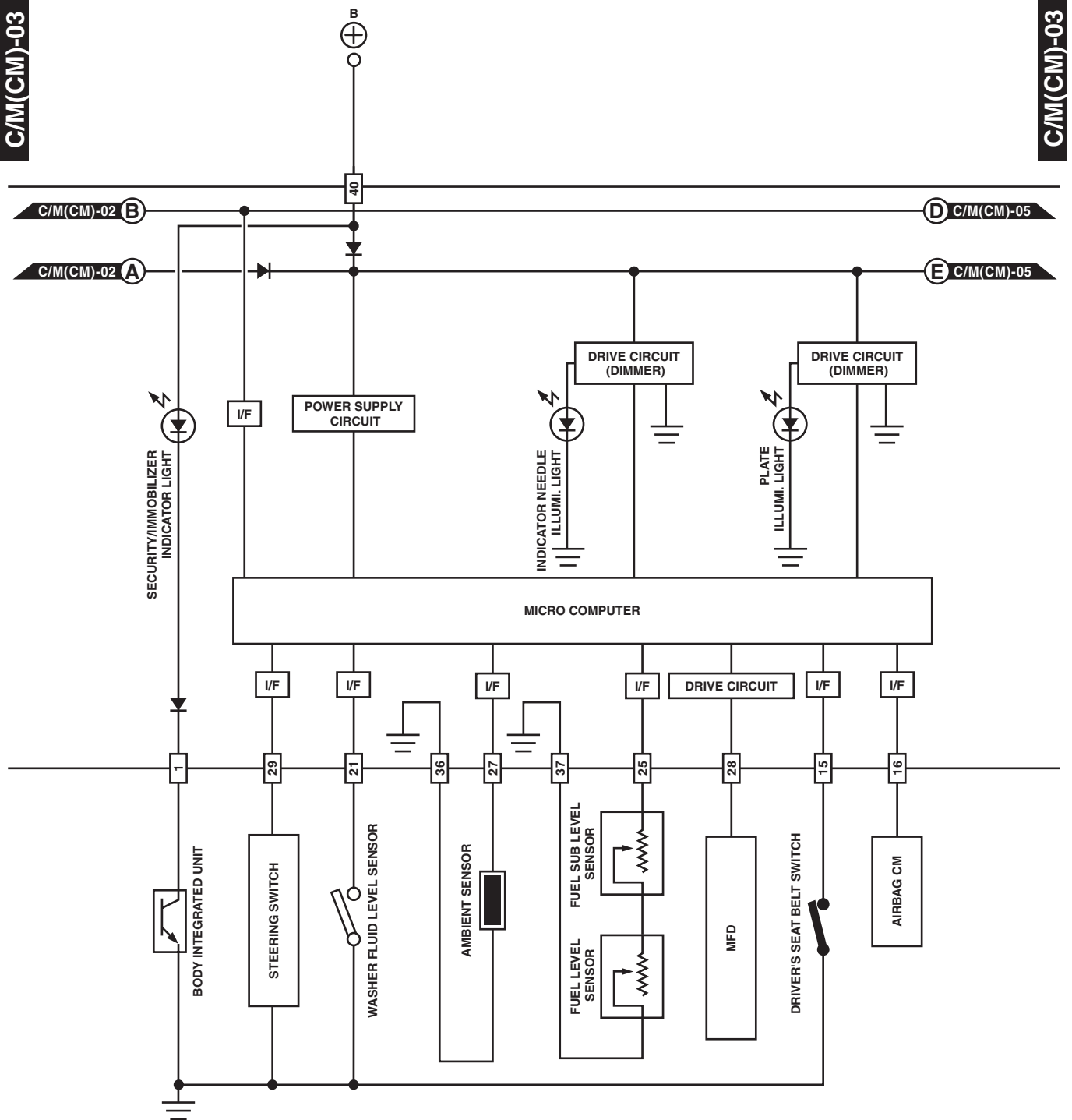
Combination Meter System

WIRING SYSTEM



WI-48201

WIRING SYSTEM



WI-48202

Combination Meter System

WIRING SYSTEM

C/M(CM)-04

TR : WITH TRIP SWITCH

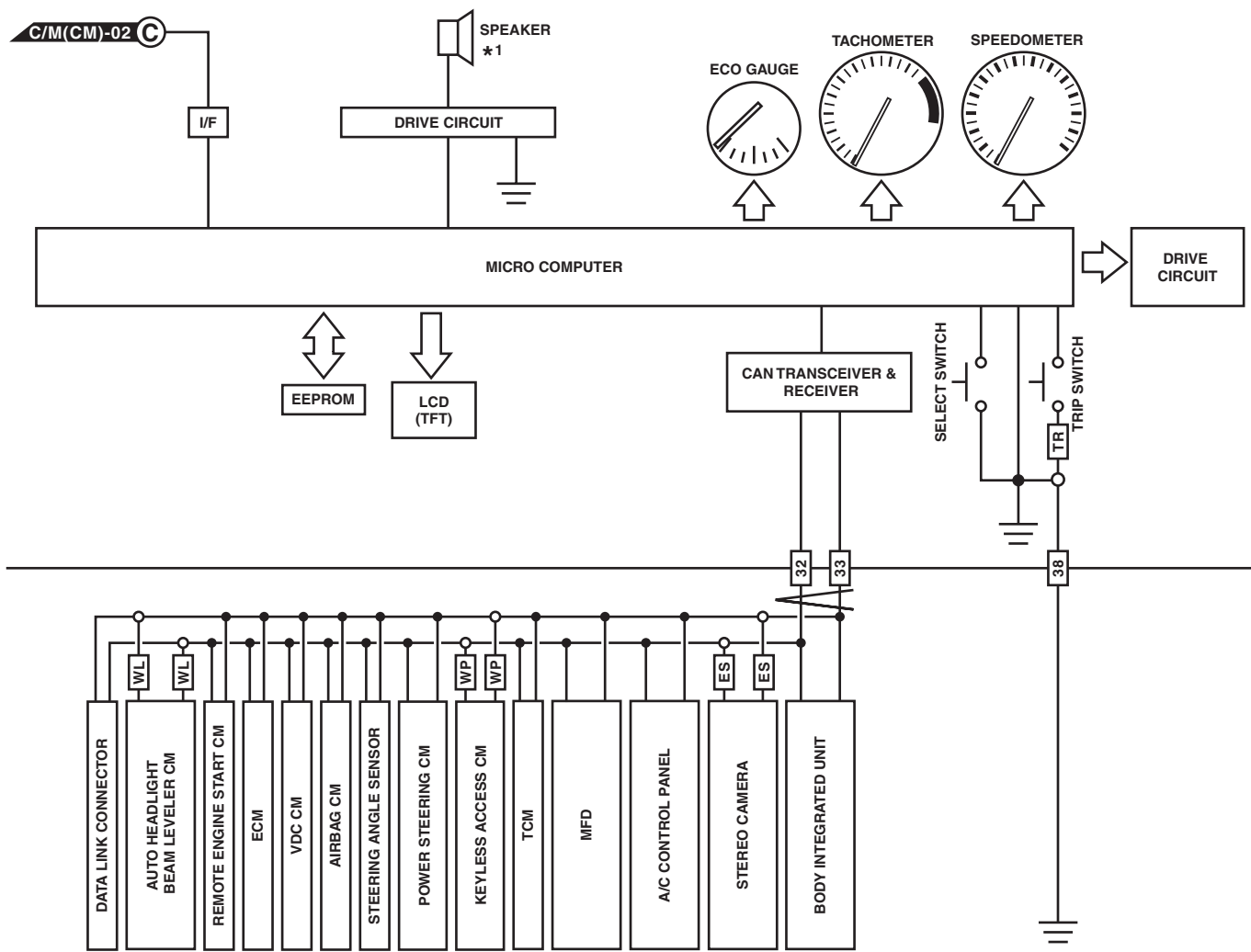
WP : WITH PUSH BUTTON START

WL : WITH AUTO HEADLIGHT BEAM LEVELER

ES : WITH EyeSight

*1 : SEAT BELT
KEY WARNING
HEADLIGHT ON WARNING
CUSTOMIZED
MANUAL SHIFT
KEYLESS ACCESS
EyeSight

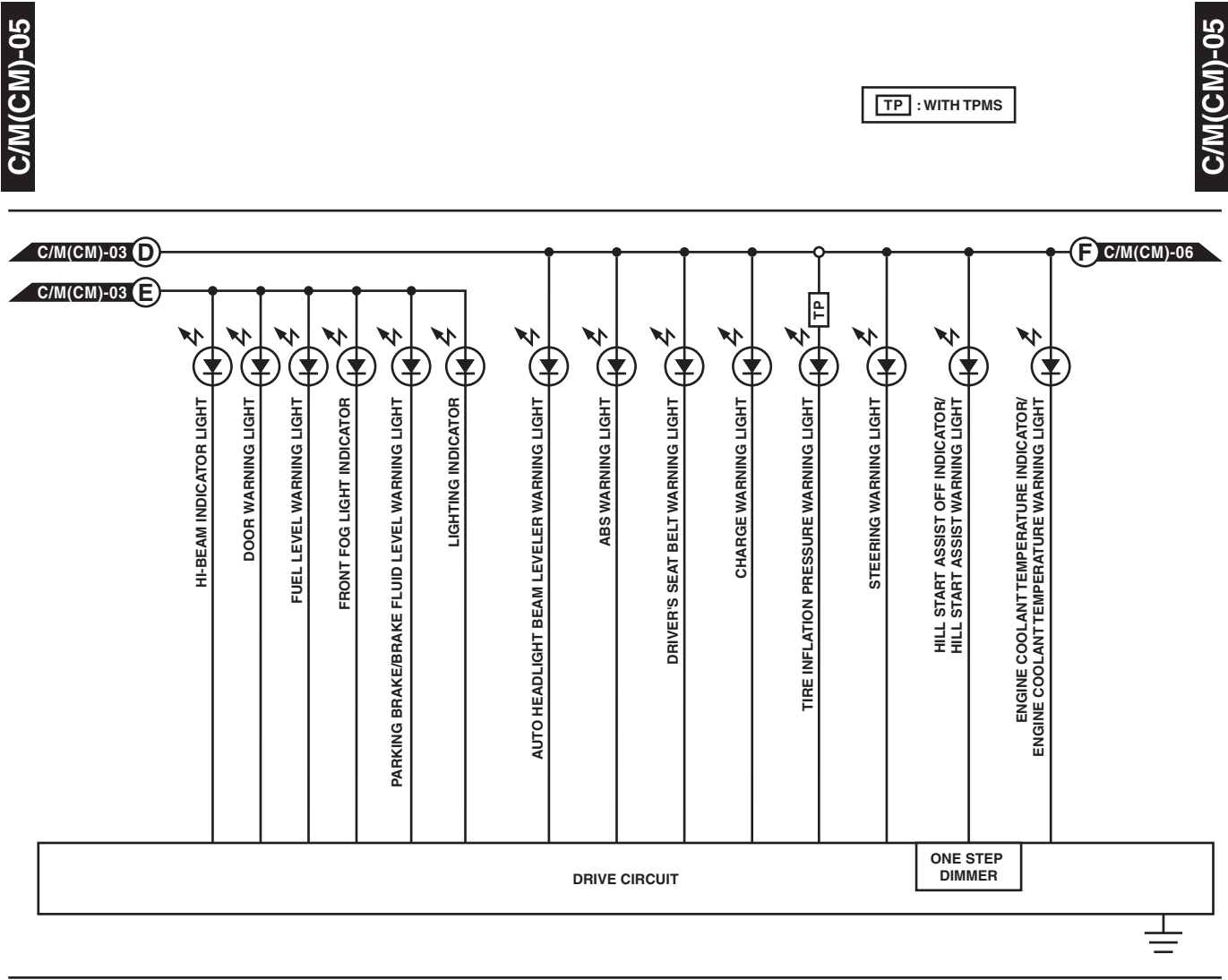
C/M(CM)-04



WI-48203

Combination Meter System

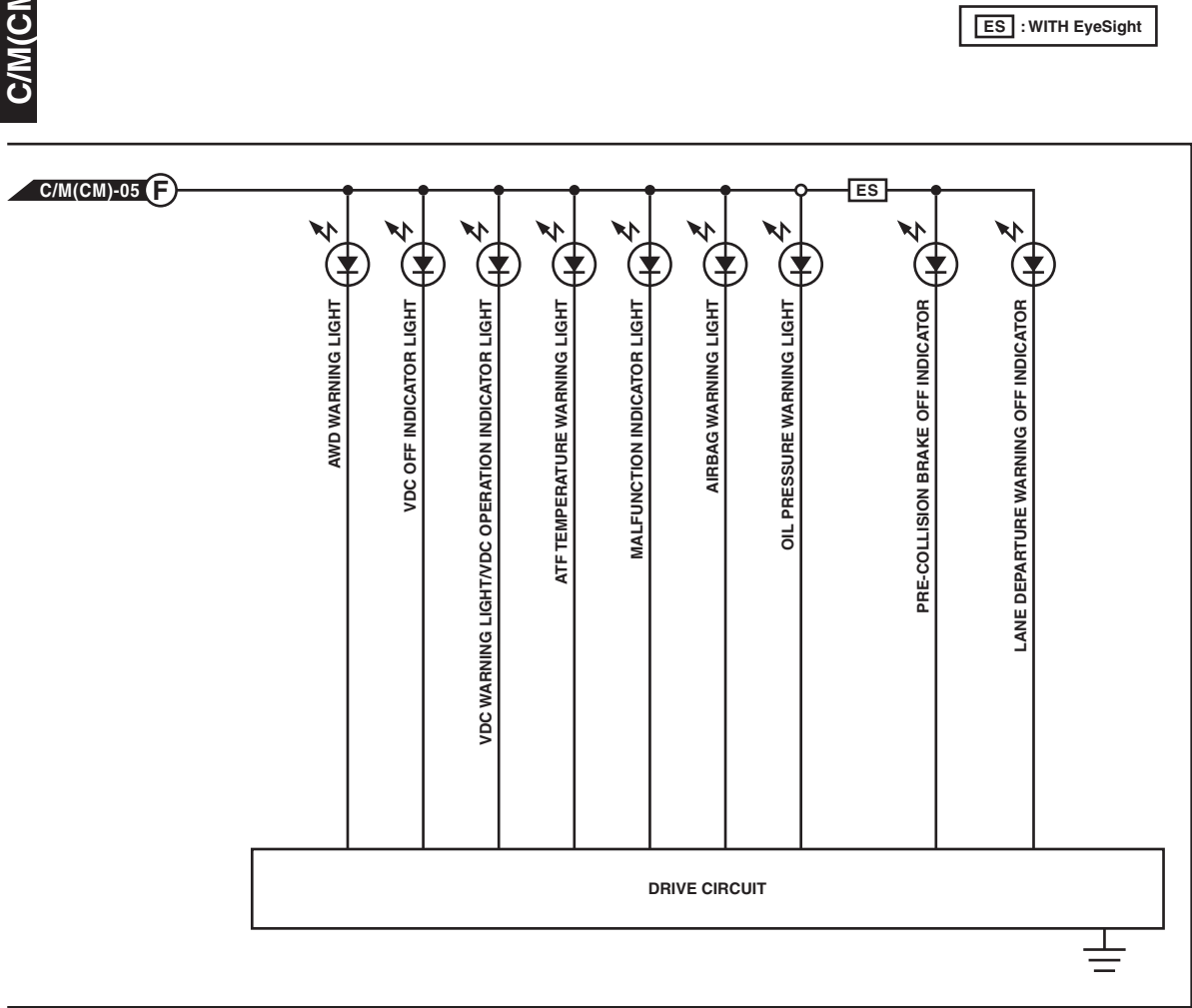
WIRING SYSTEM



WI-48204

C/M(CM)-06

C/M(CM)-06



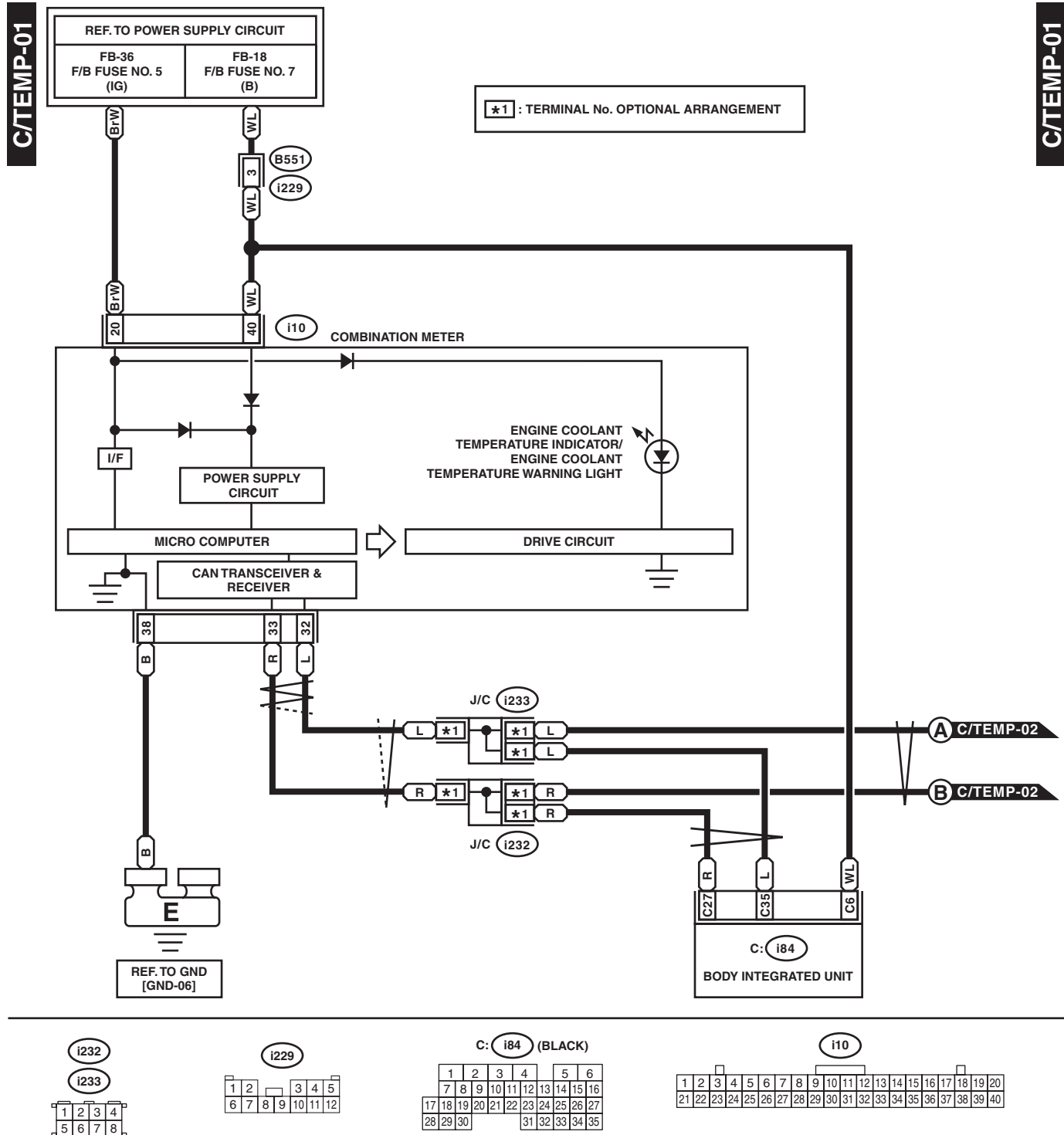
WI-48205

Coolant Temperature System

WIRING SYSTEM

13.Coolant Temperature System

A: WIRING DIAGRAM



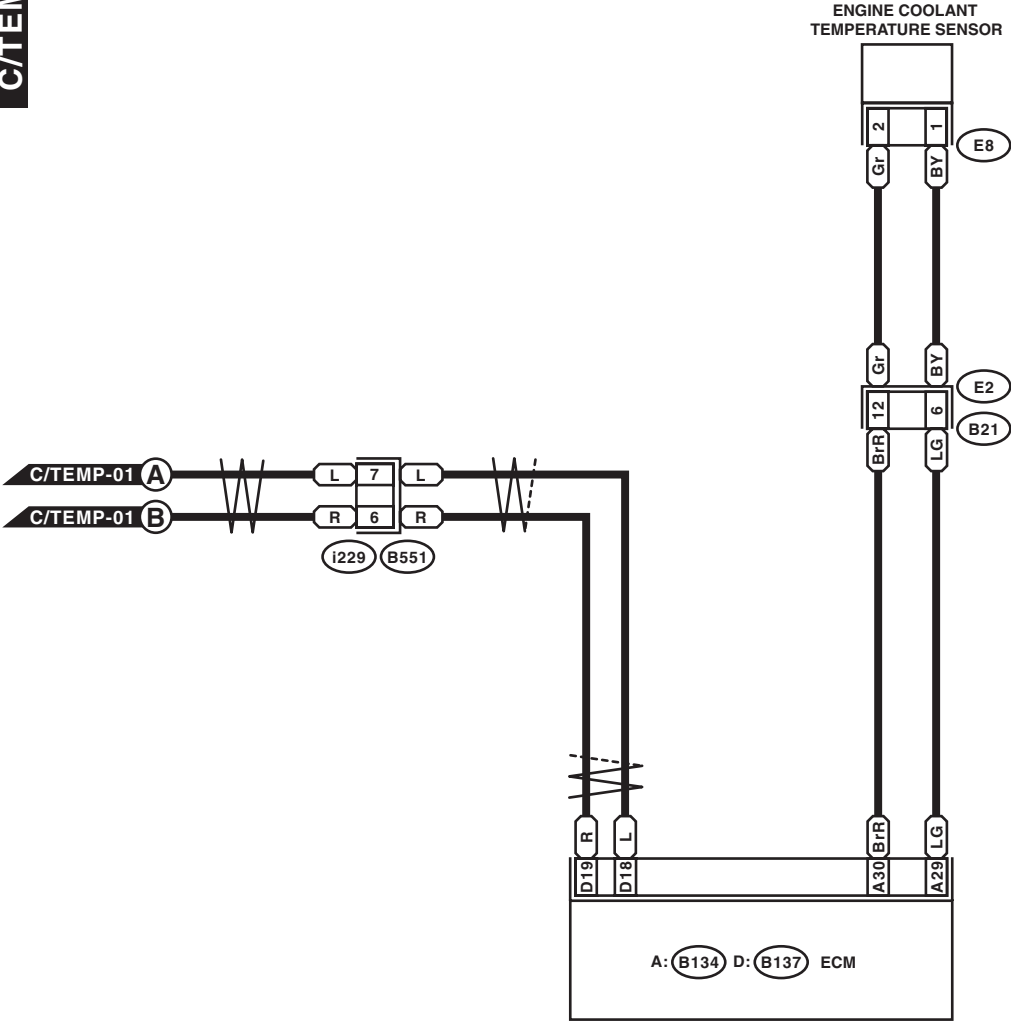
WI-48206

Coolant Temperature System

WIRING SYSTEM

C/TEMP-02

C/TEMP-02



E8 (BLACK)



i229

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

D: B137

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

A: B134

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

B21 (BLACK)

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

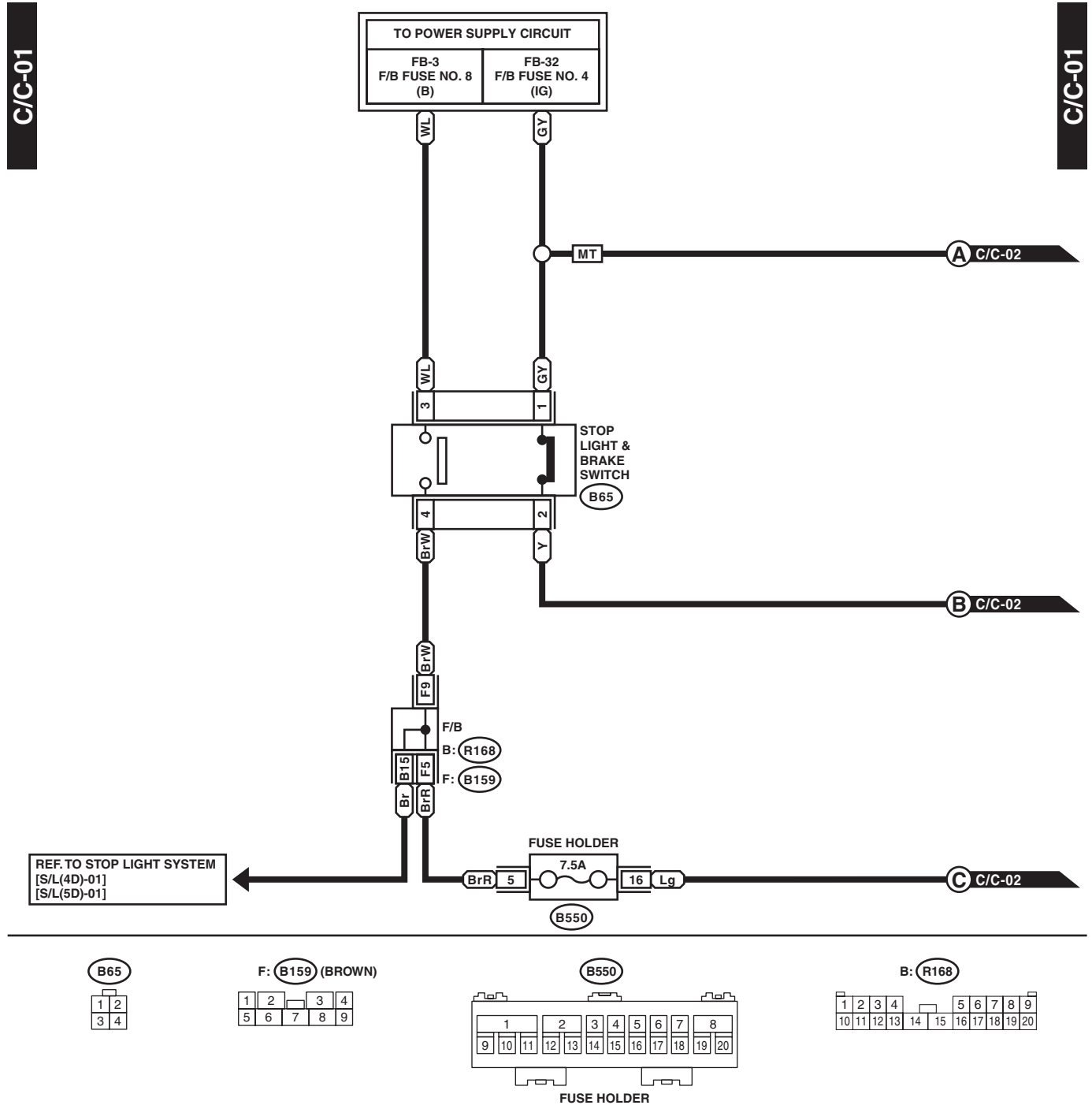
WI-48207

Cruise Control System

WIRING SYSTEM

14.Cruise Control System

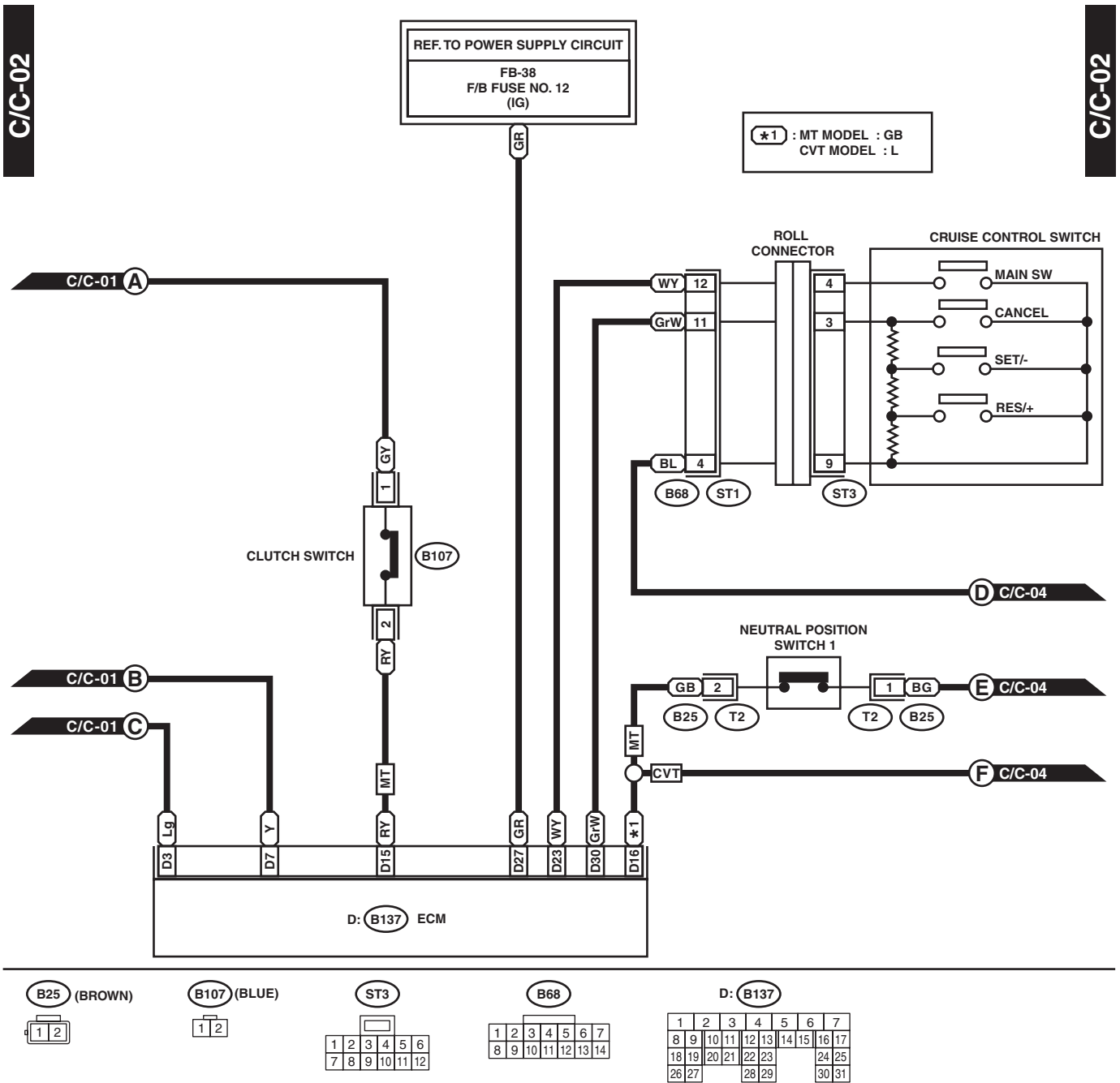
A: WIRING DIAGRAM



WI-37825

Cruise Control System

WIRING SYSTEM



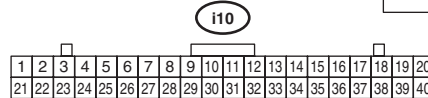
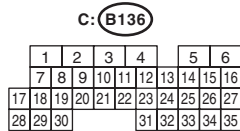
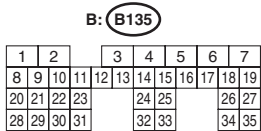
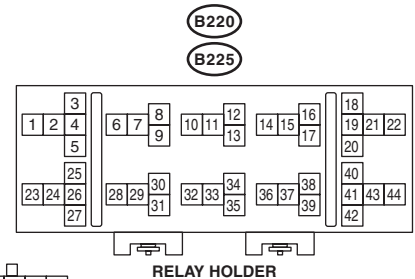
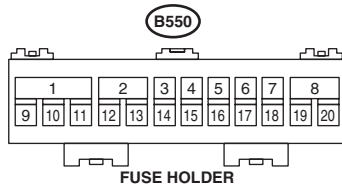
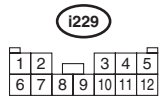
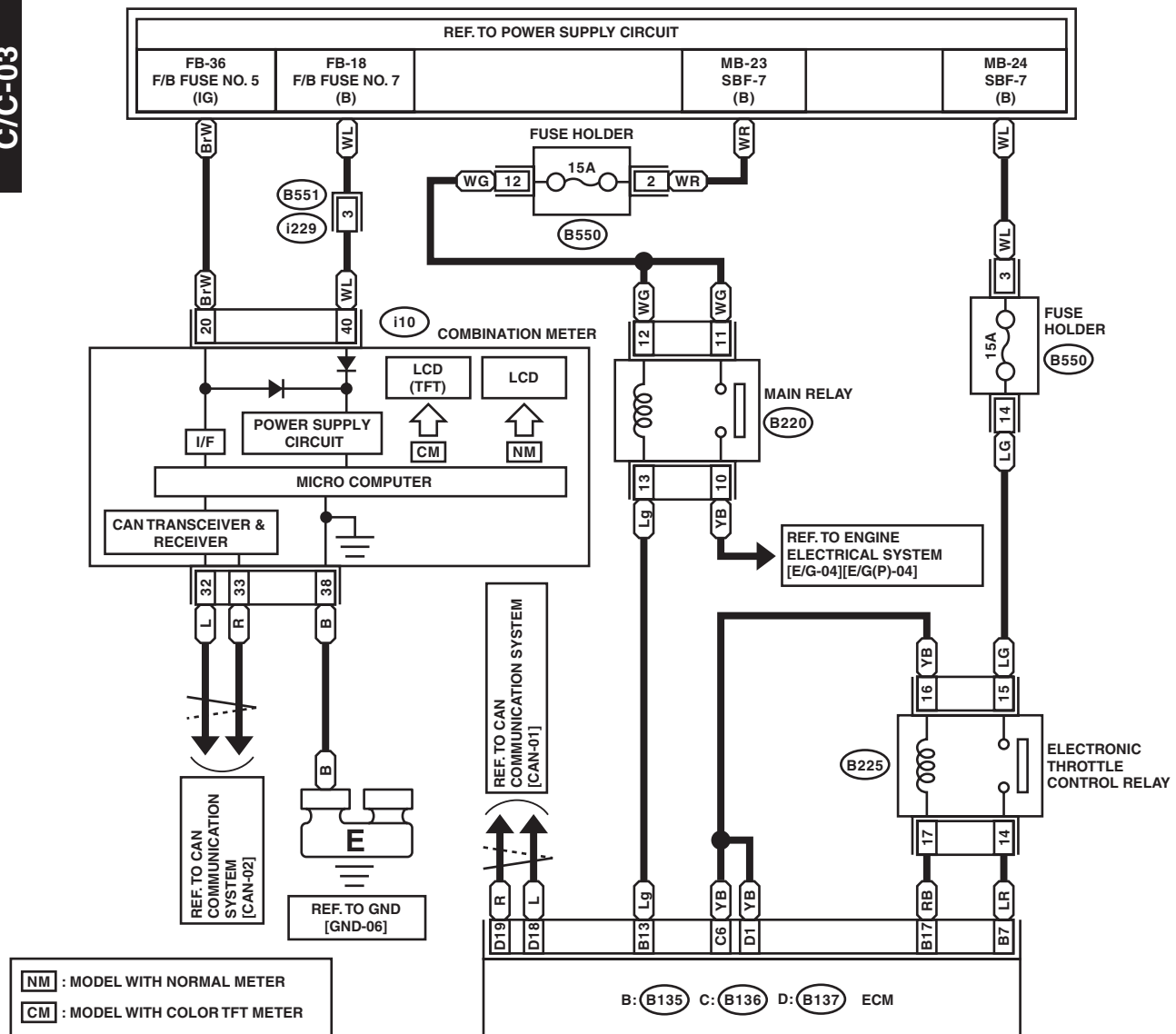
WI-48208

Cruise Control System

WIRING SYSTEM

C/C-03

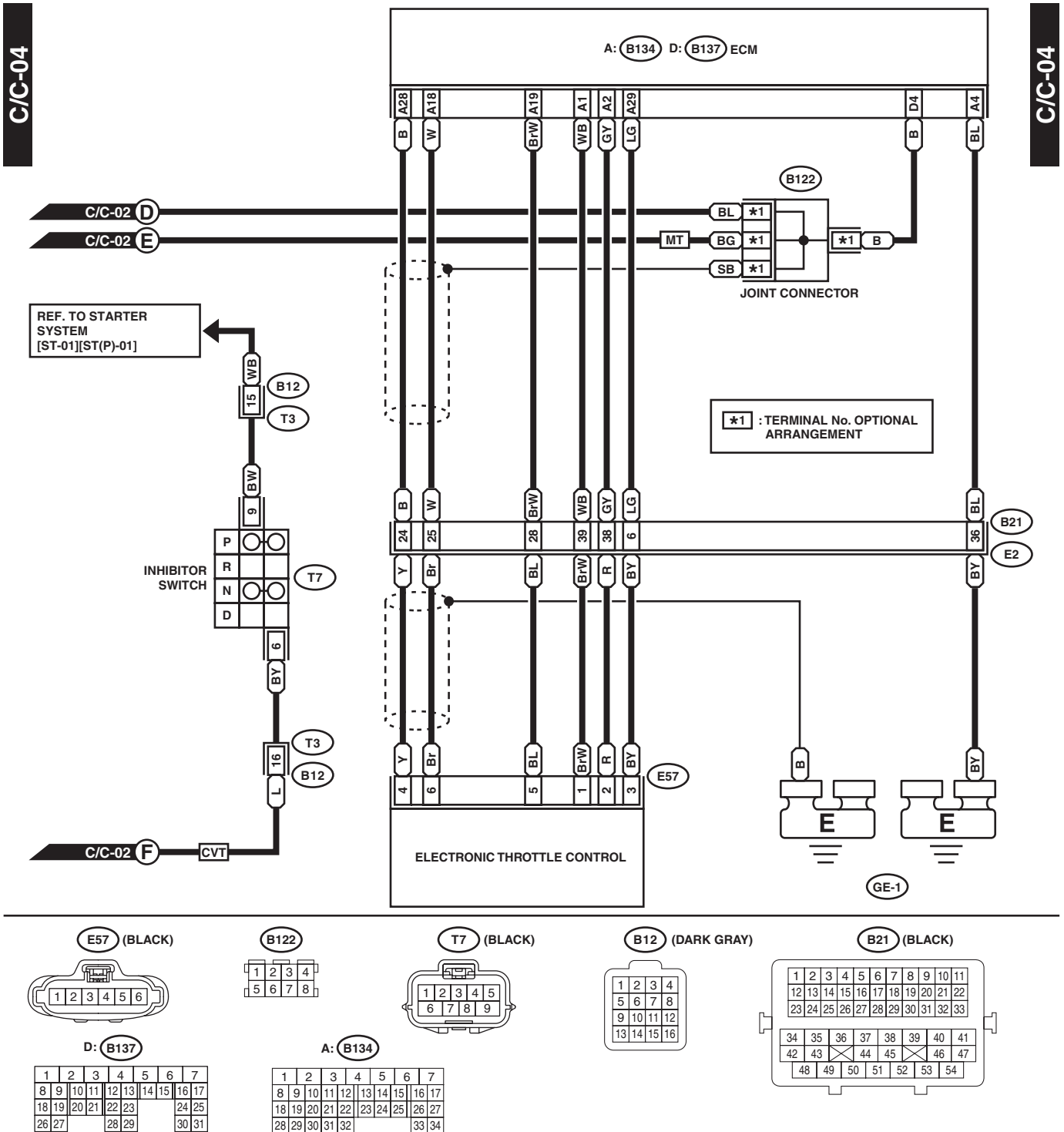
C/C-03



WI-48209

Cruise Control System

WIRING SYSTEM



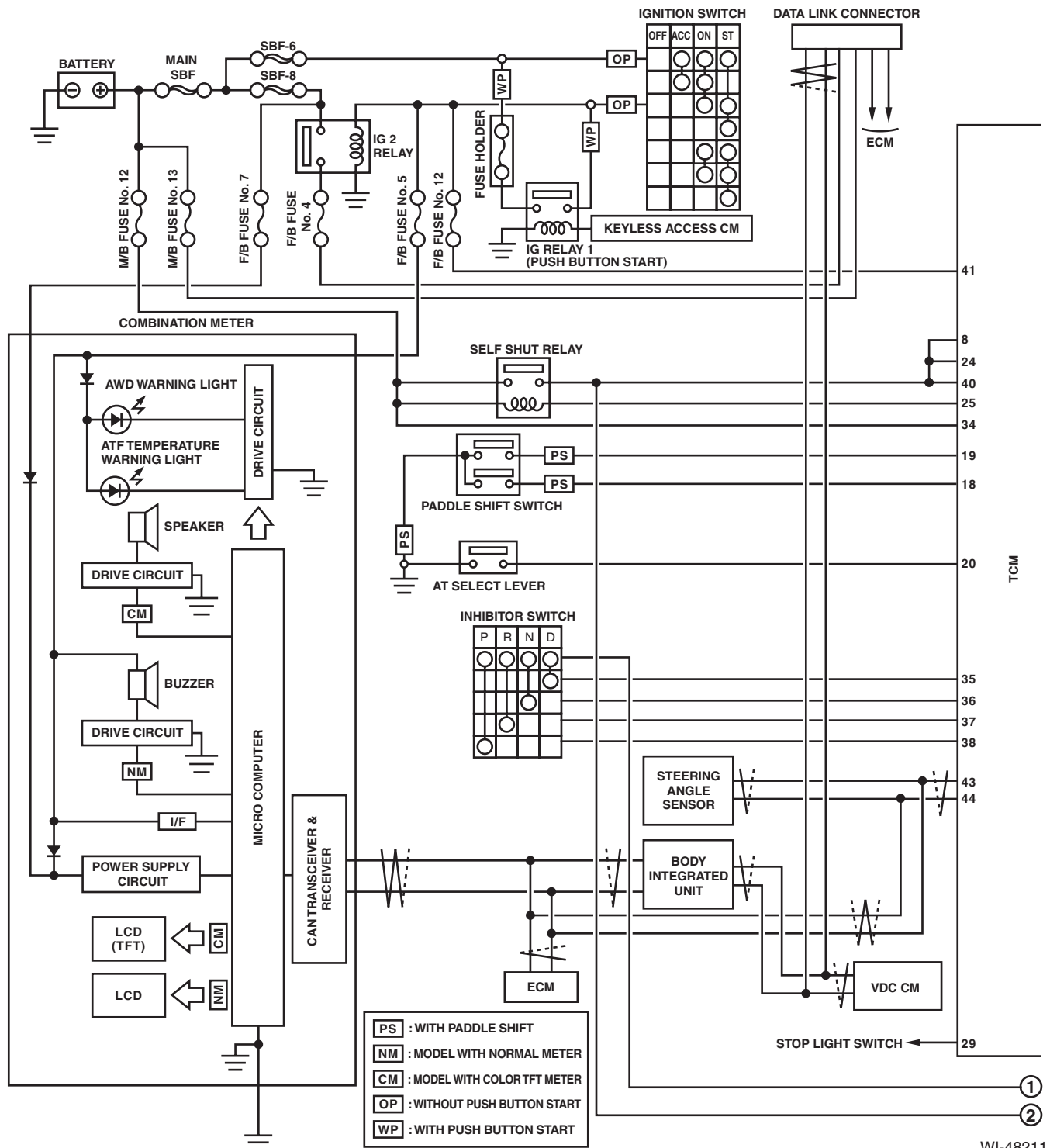
WI-48210

CVT Control System

WIRING SYSTEM

15.CVT Control System

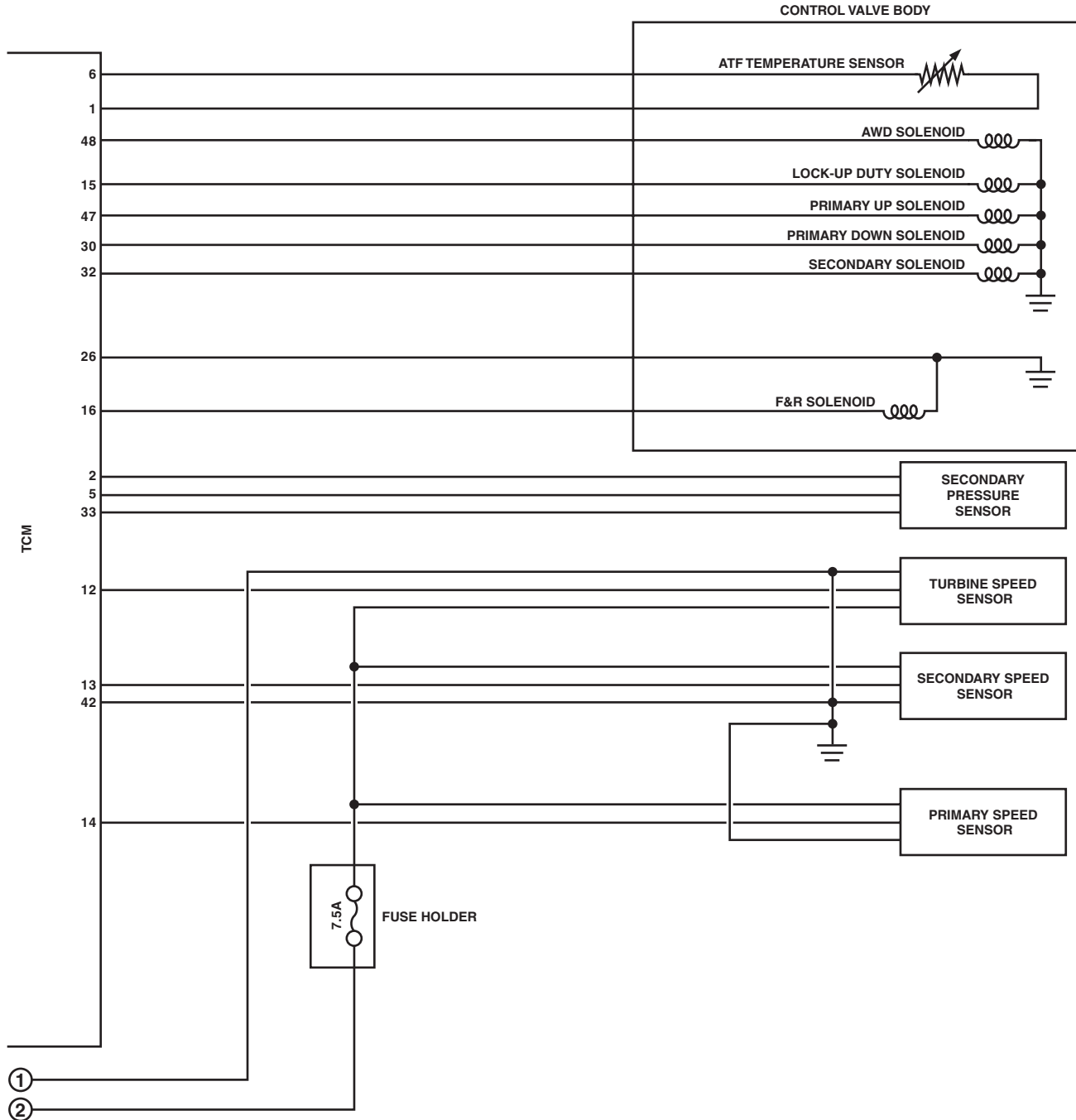
A: WIRING DIAGRAM



WI-48211

CVT Control System

WIRING SYSTEM



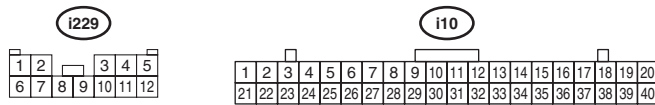
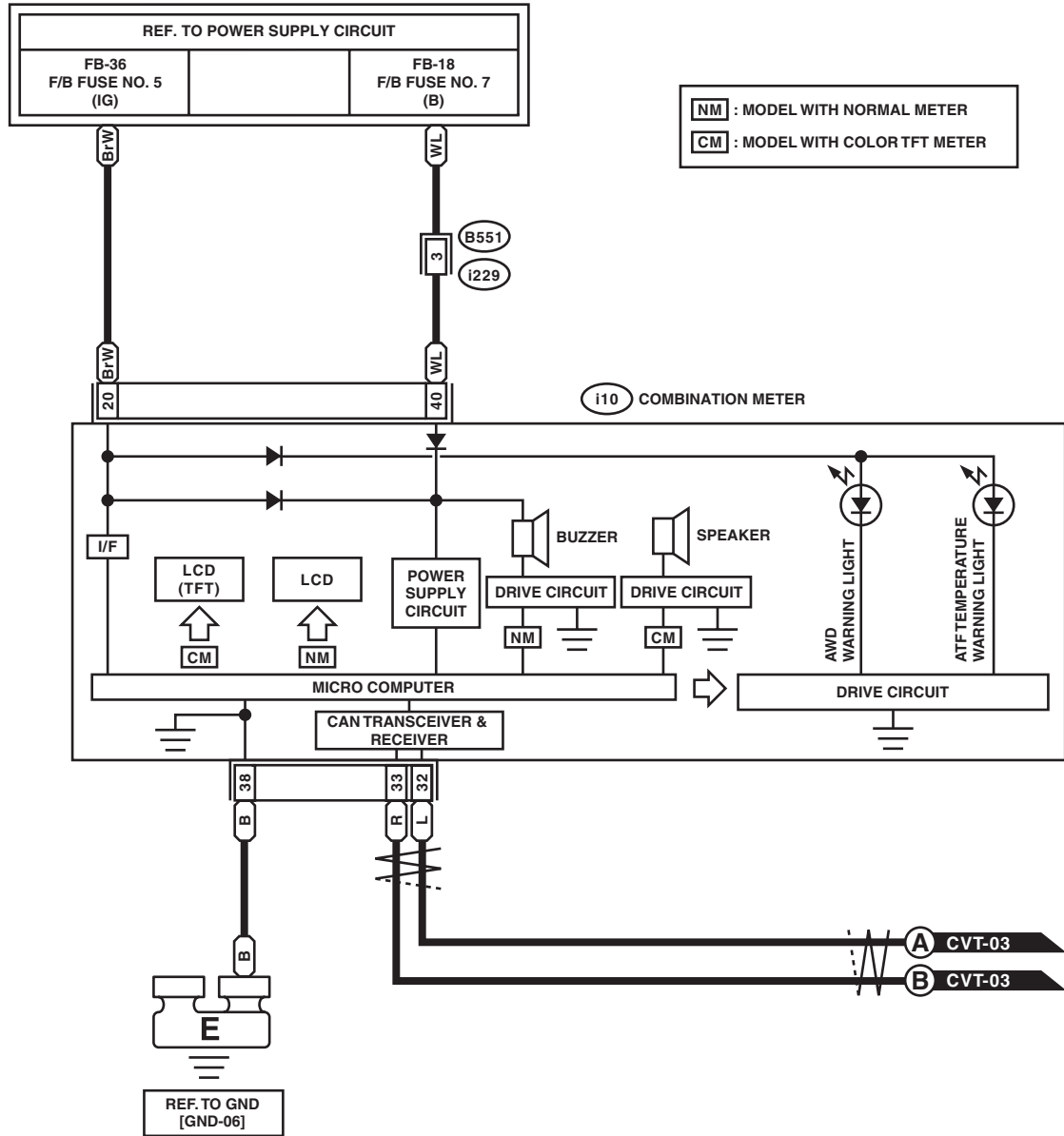
WI-48212

CVT Control System

WIRING SYSTEM

CVT-01

CVT-01



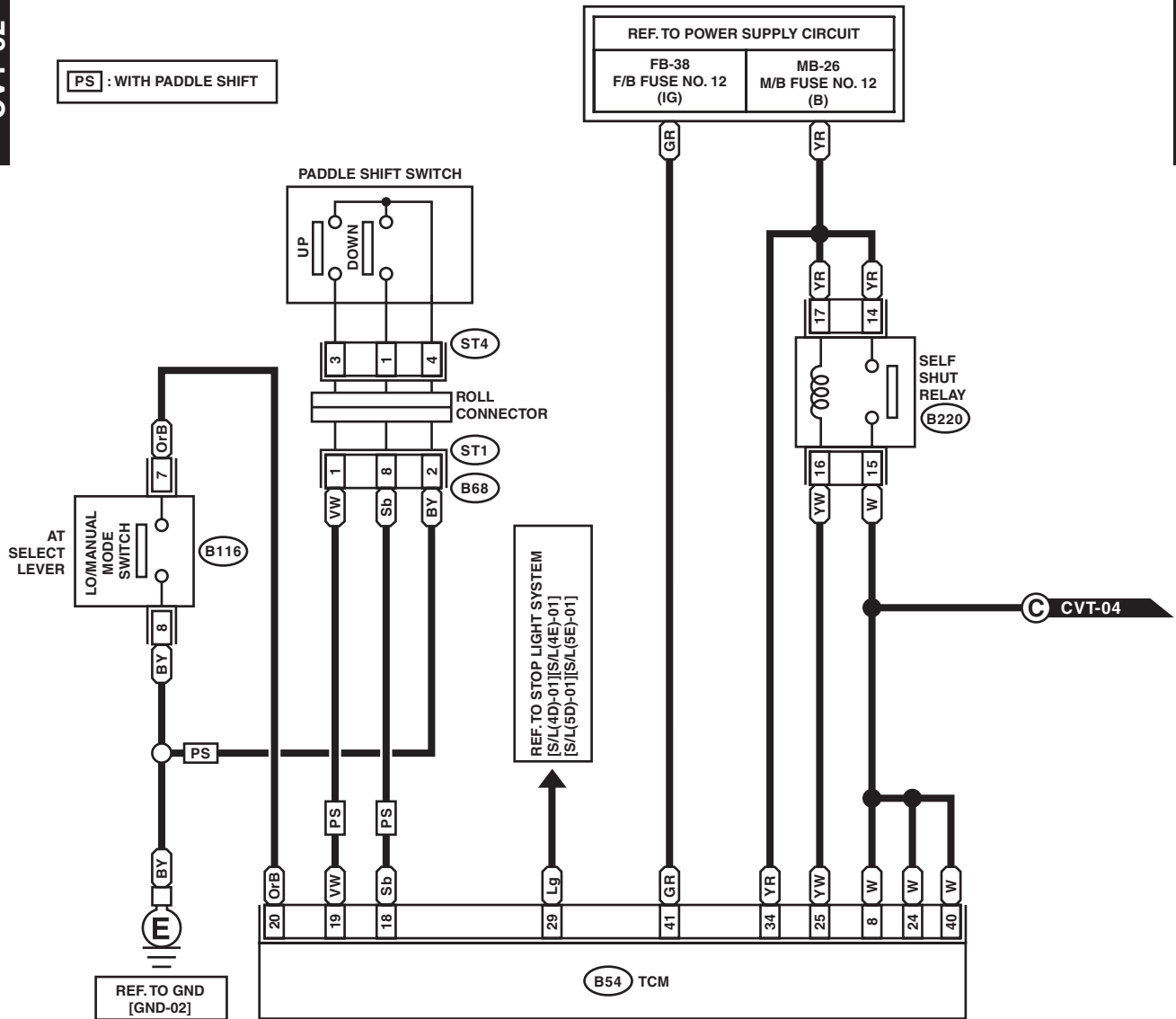
WI-48213

CVT Control System

WIRING SYSTEM

CVT-02

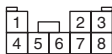
CVT-02



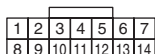
ST4



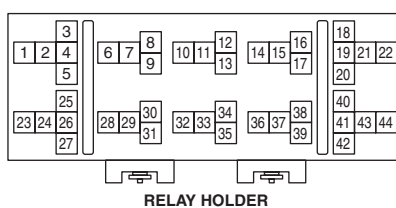
B116



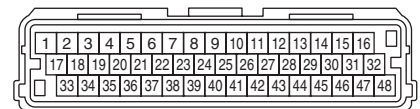
B68



B220



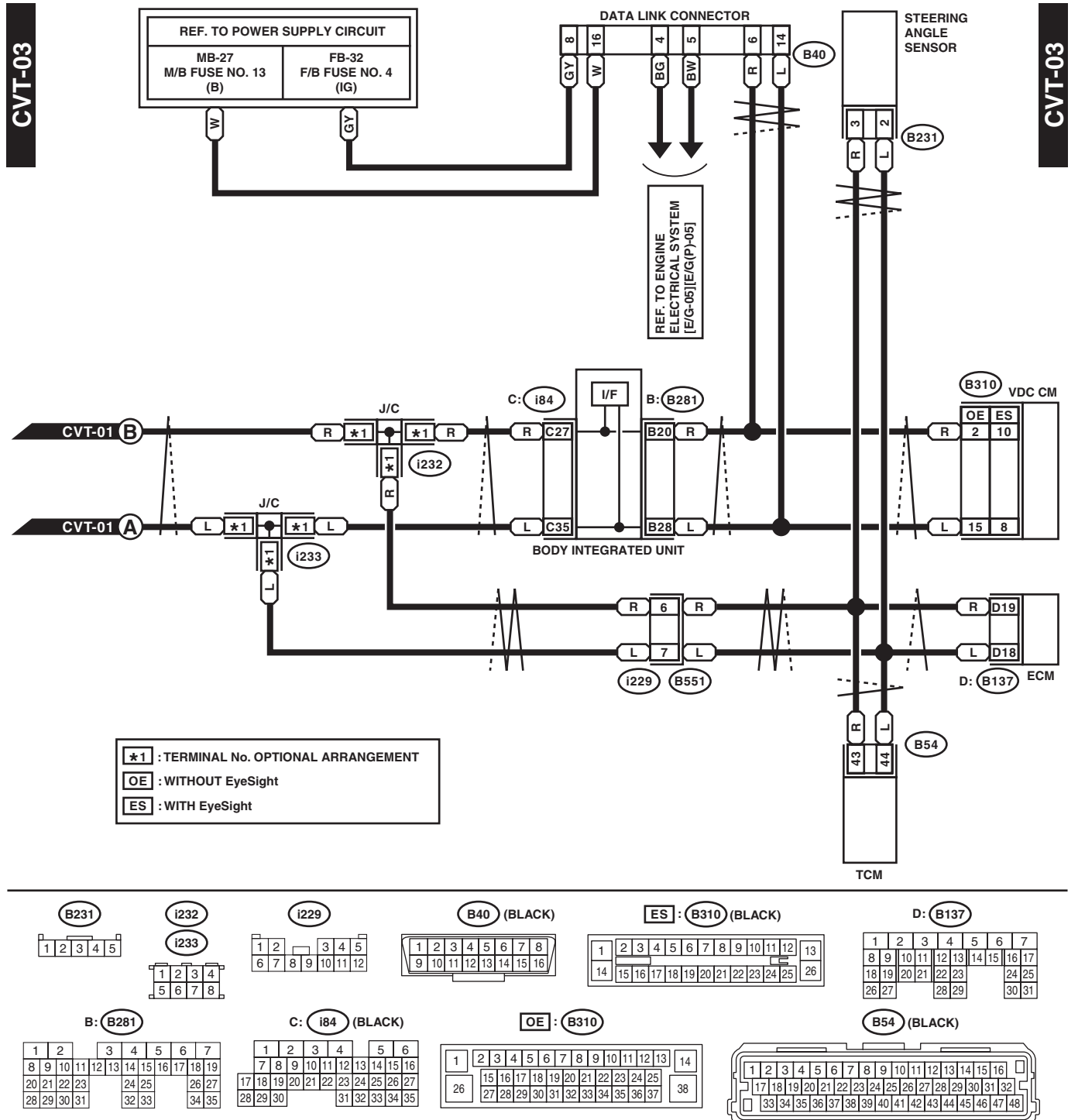
B54 (BLACK)



WI-48214

CVT Control System

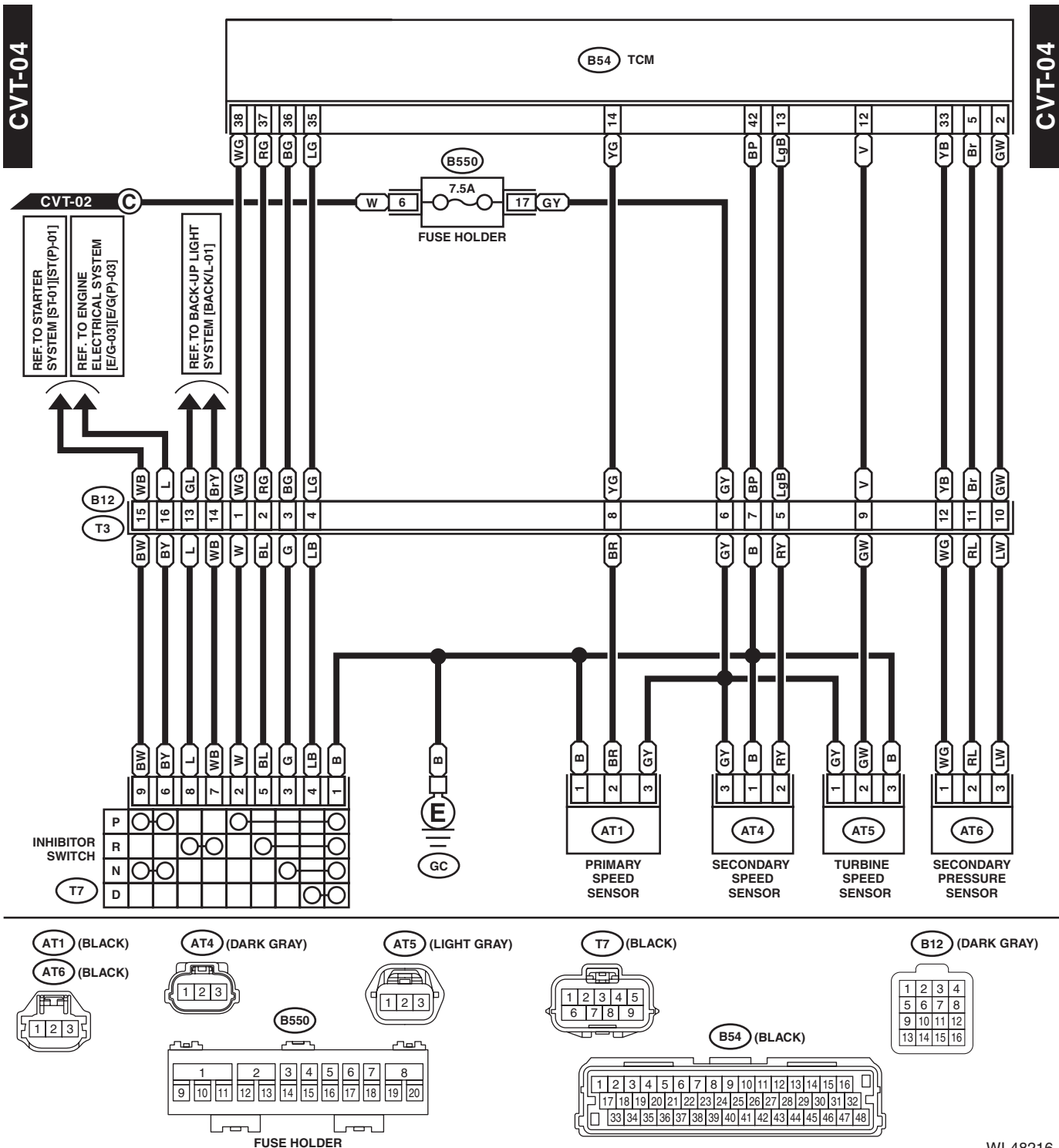
WIRING SYSTEM



WI-48215

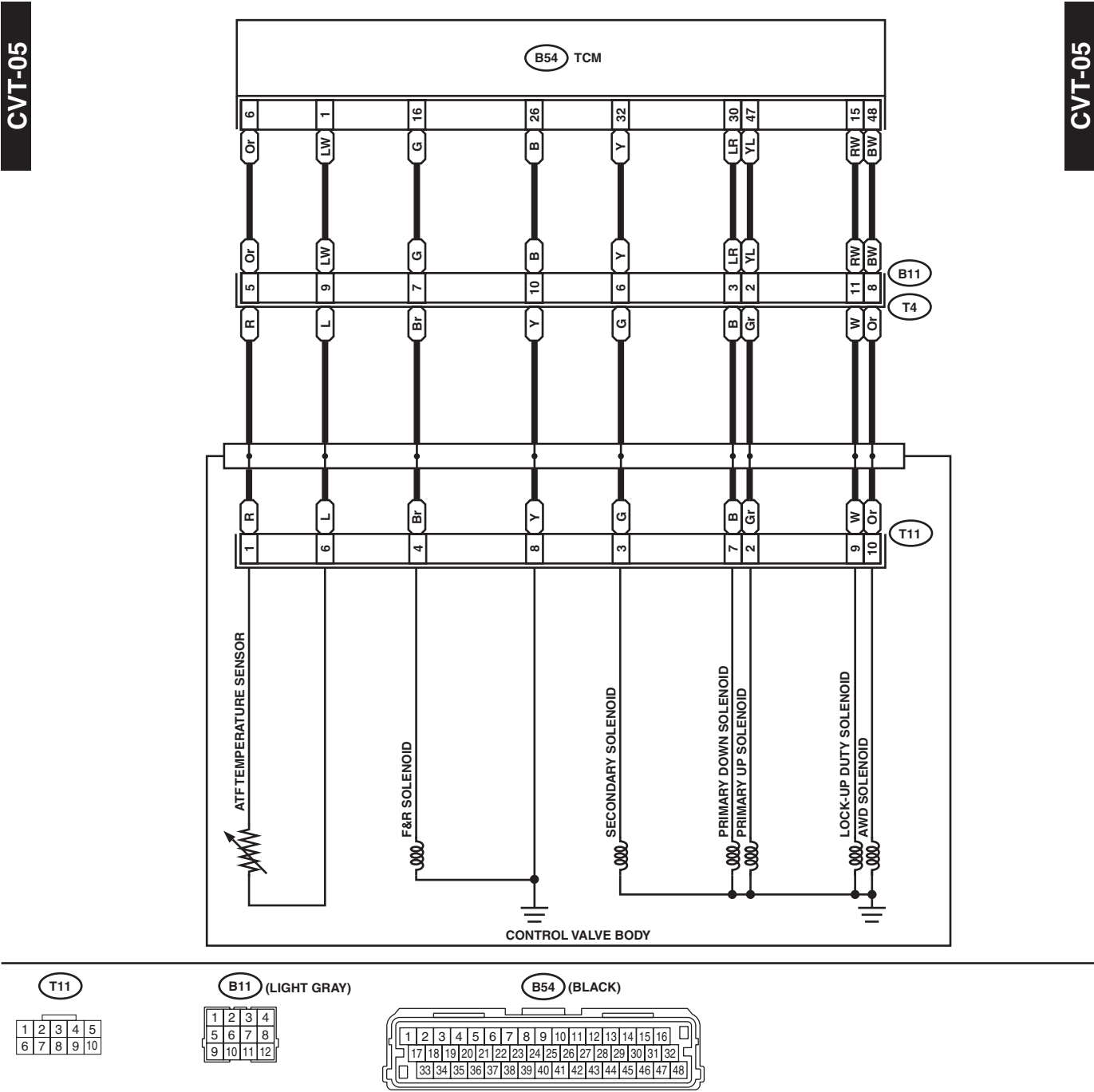
WIRING SYSTEM

WIRING SYSTEM



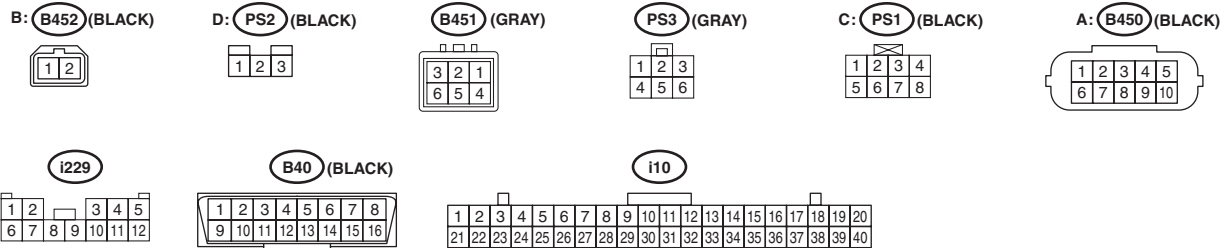
CVT Control System

WIRING SYSTEM



WI-48217

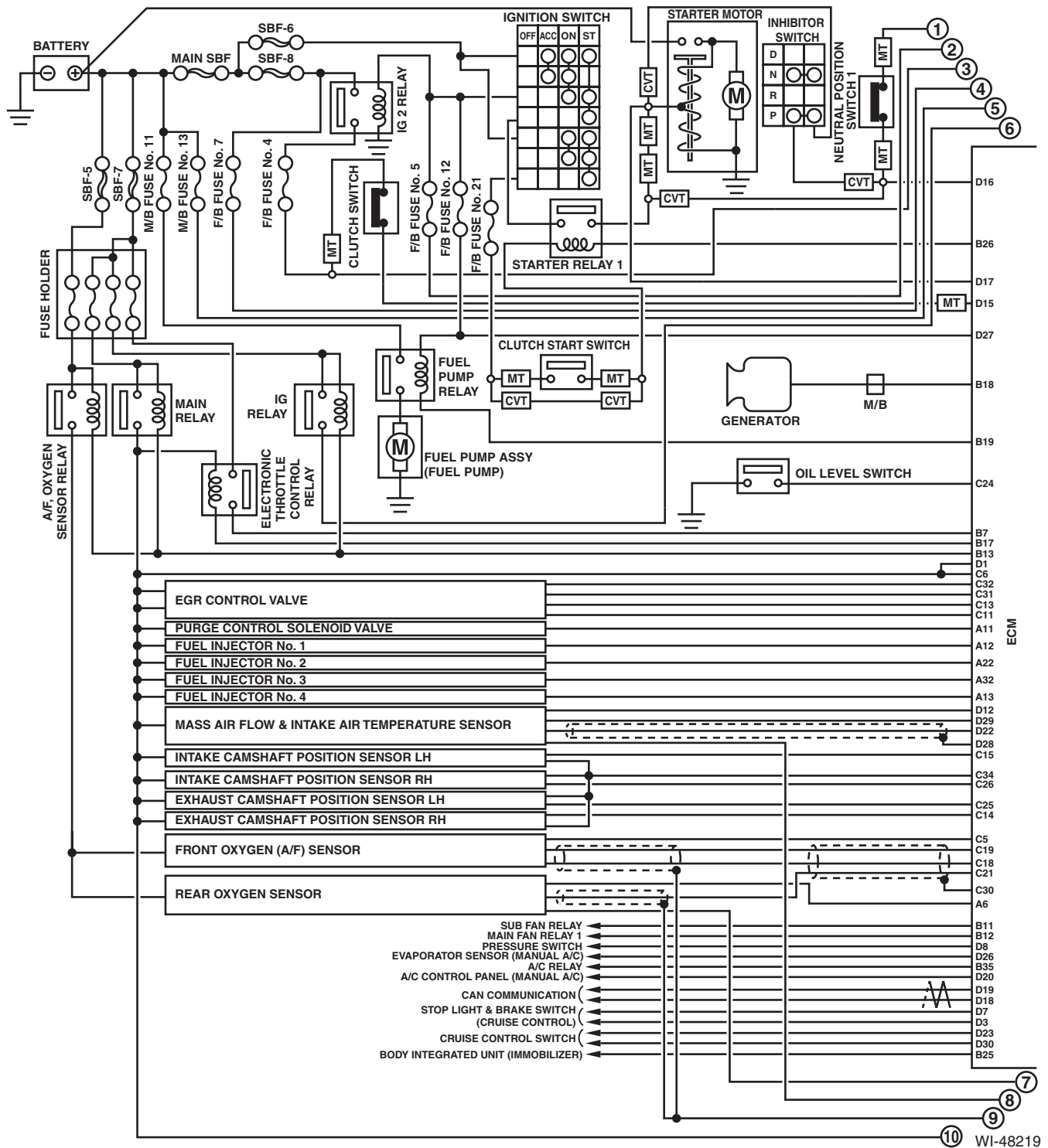
A: WIRING DIAGRAM



17.Engine Electrical System

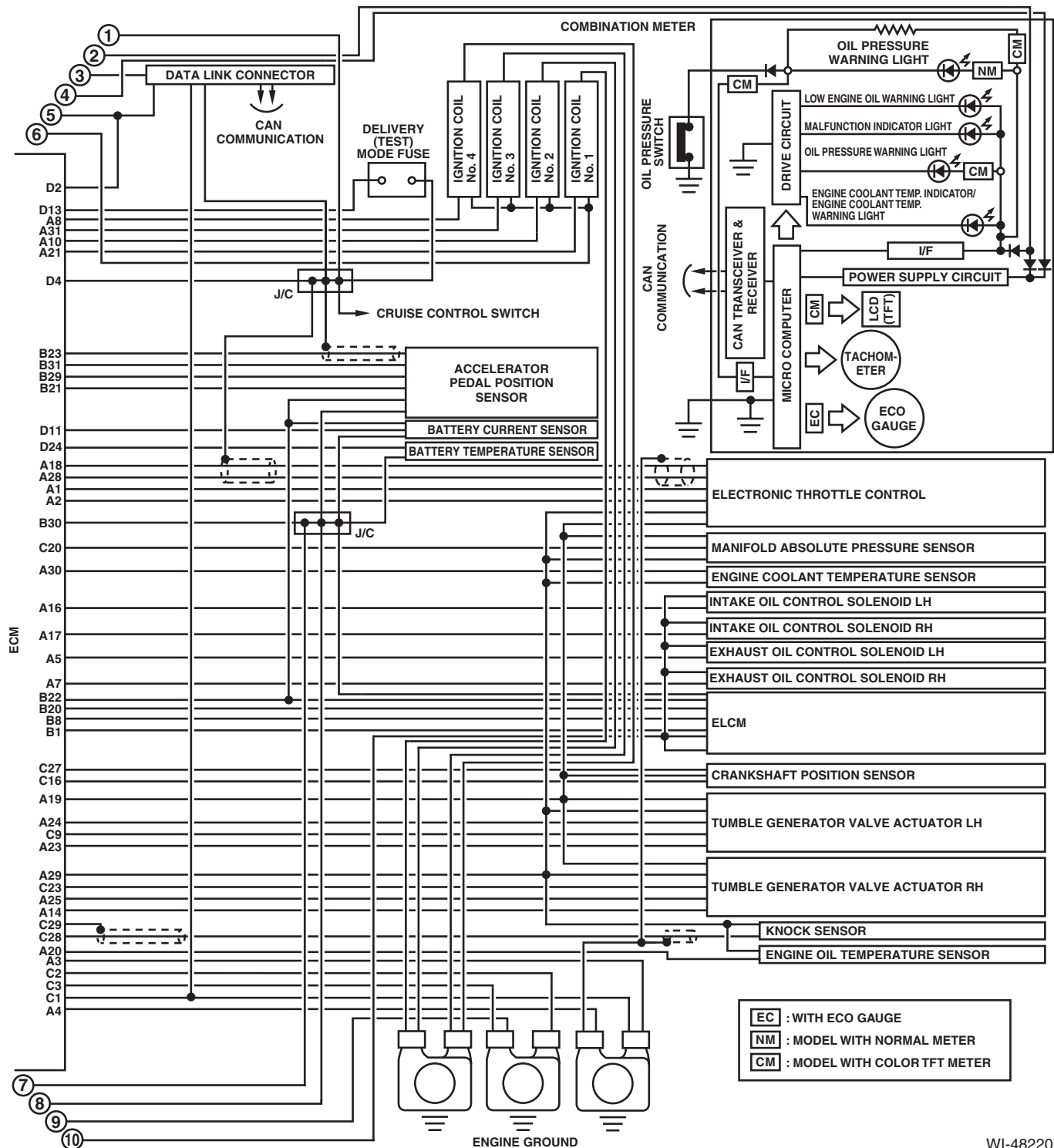
A: WIRING DIAGRAM

1. WITHOUT PUSH BUTTON START



Engine Electrical System

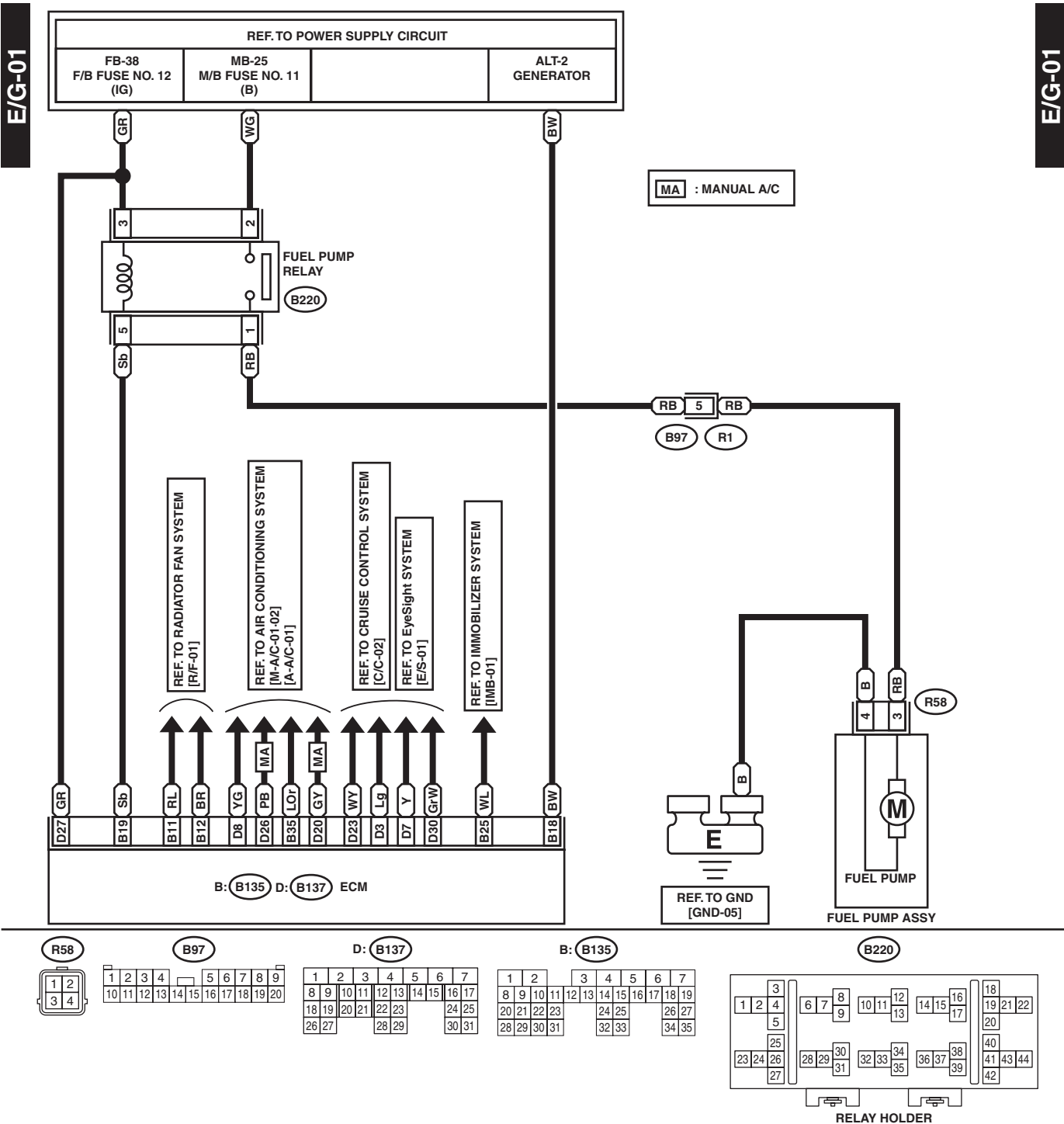
WIRING SYSTEM



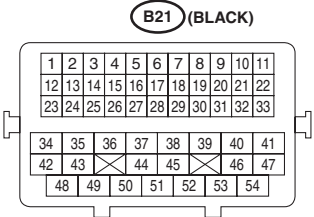
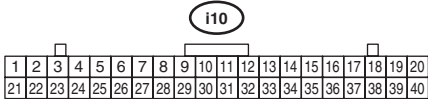
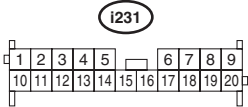
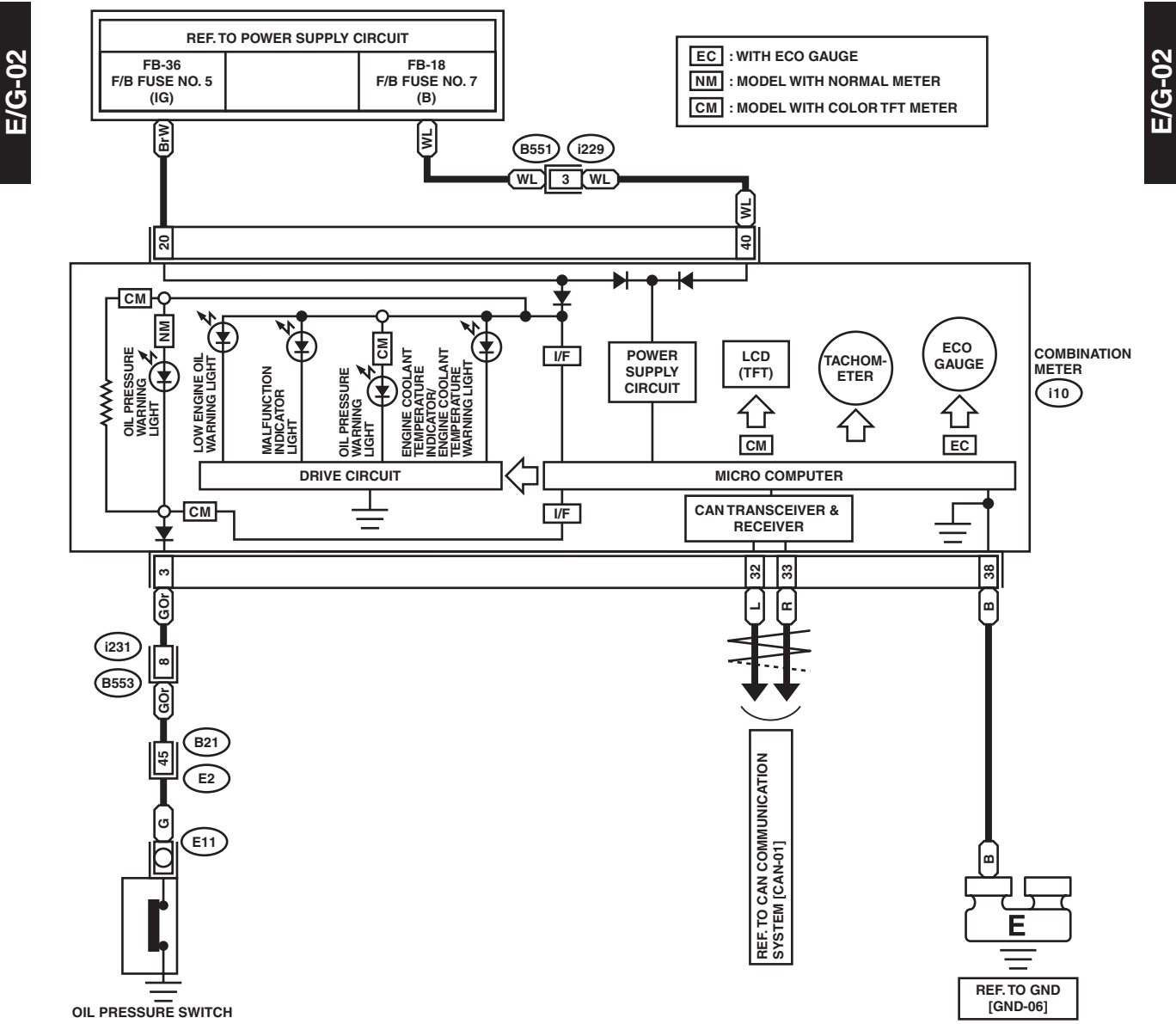
WI-48220

Engine Electrical System

WIRING SYSTEM

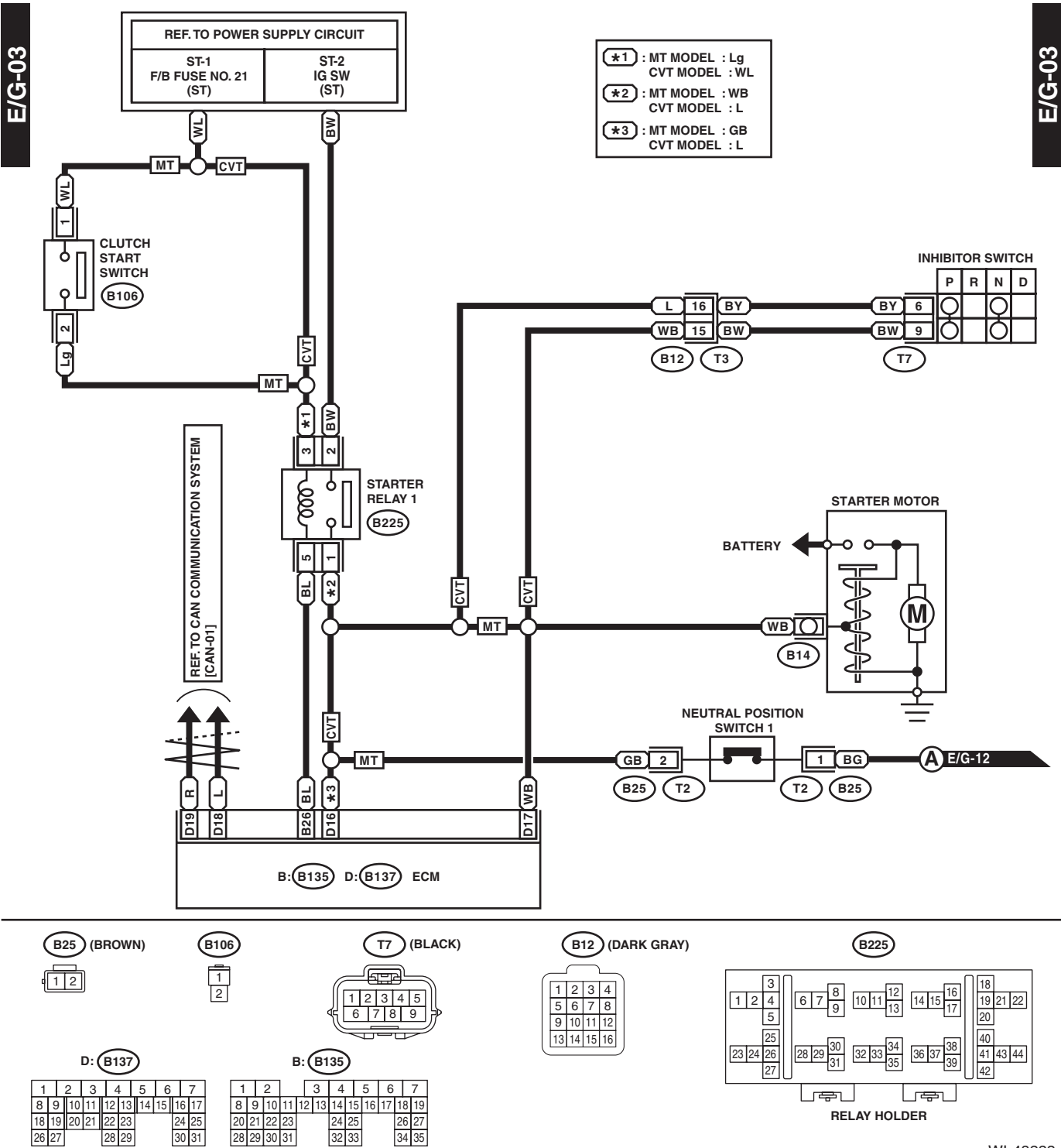


WI-48221

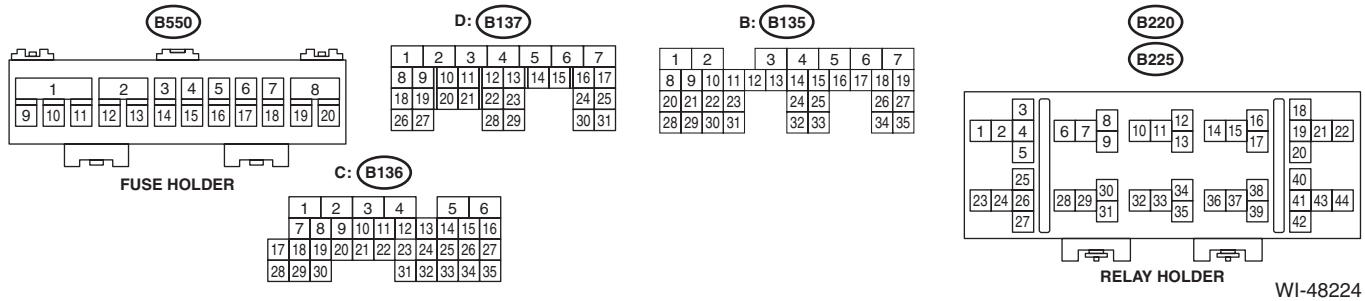
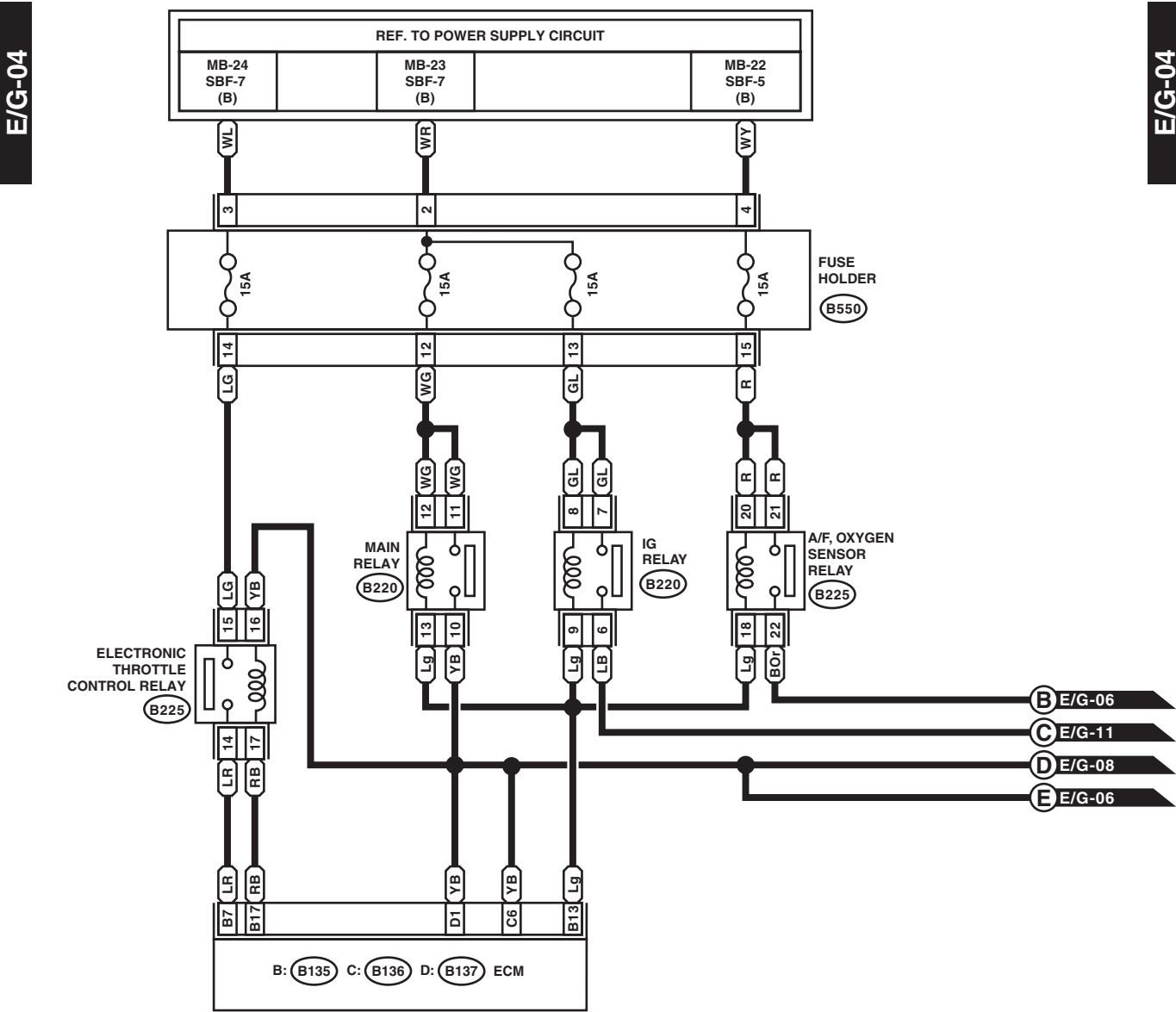


Engine Electrical System

WIRING SYSTEM

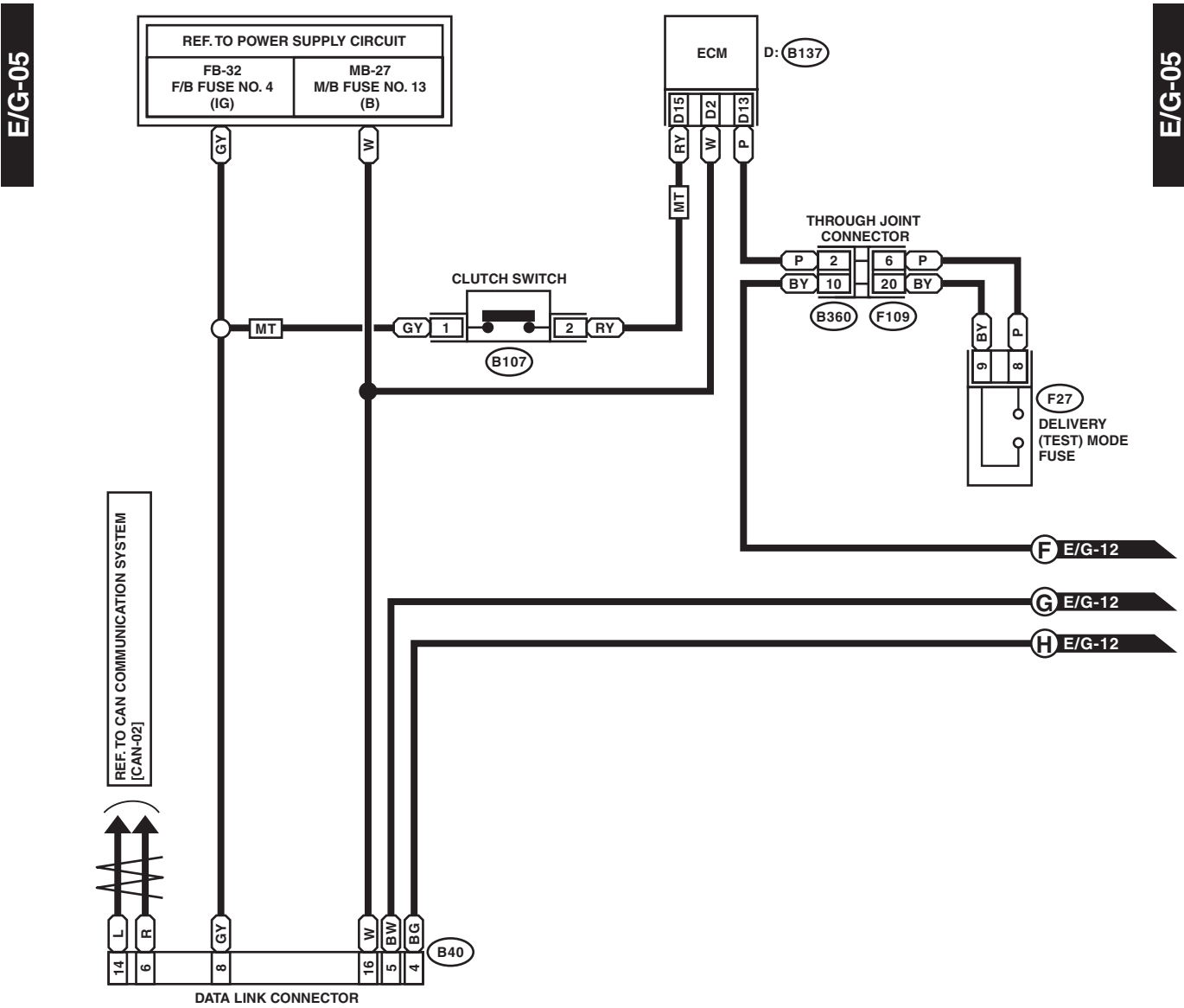


WI-48223



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

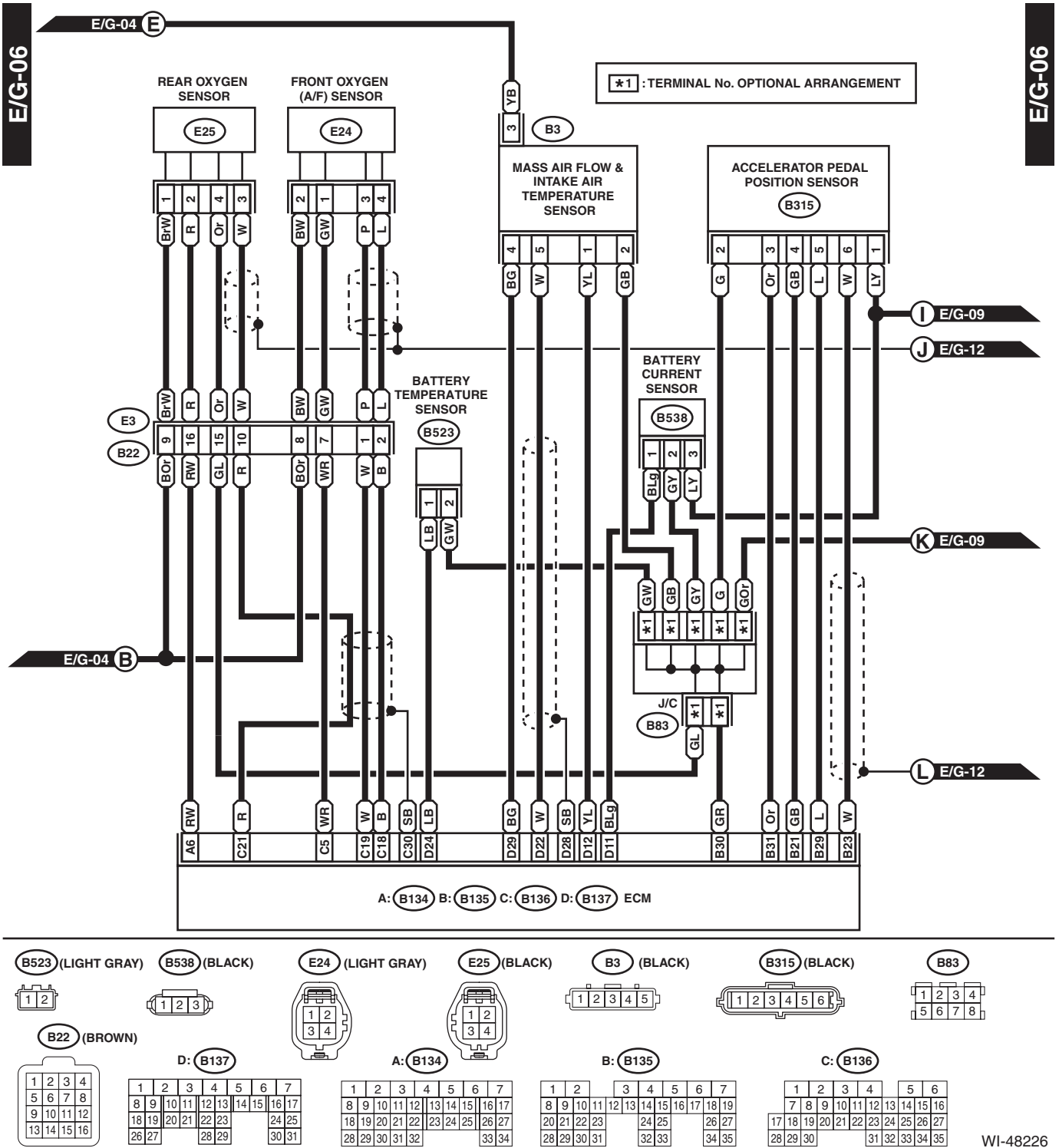
D: B137

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

WI-48225

Engine Electrical System

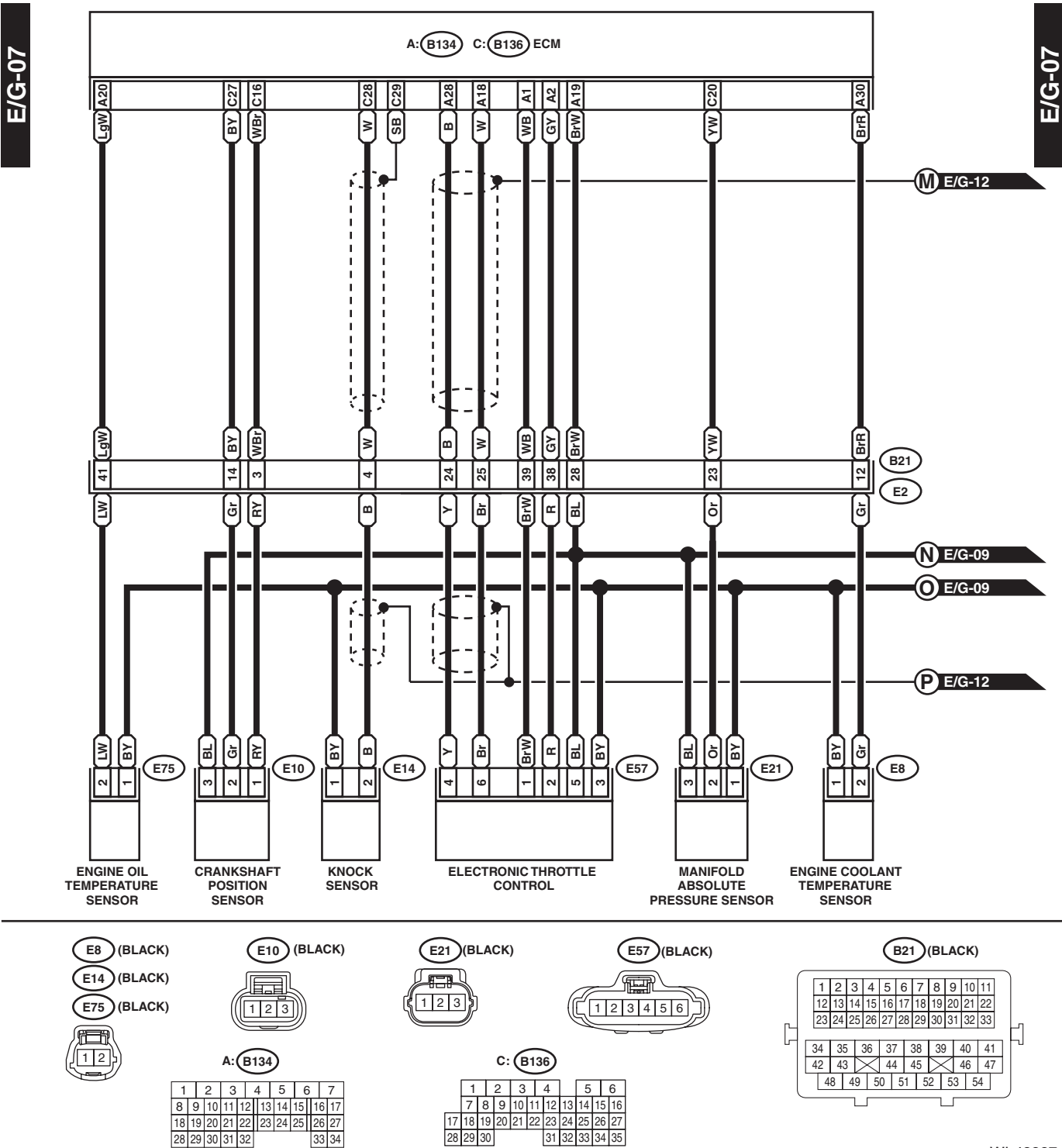
WIRING SYSTEM



WI-48226

Engine Electrical System

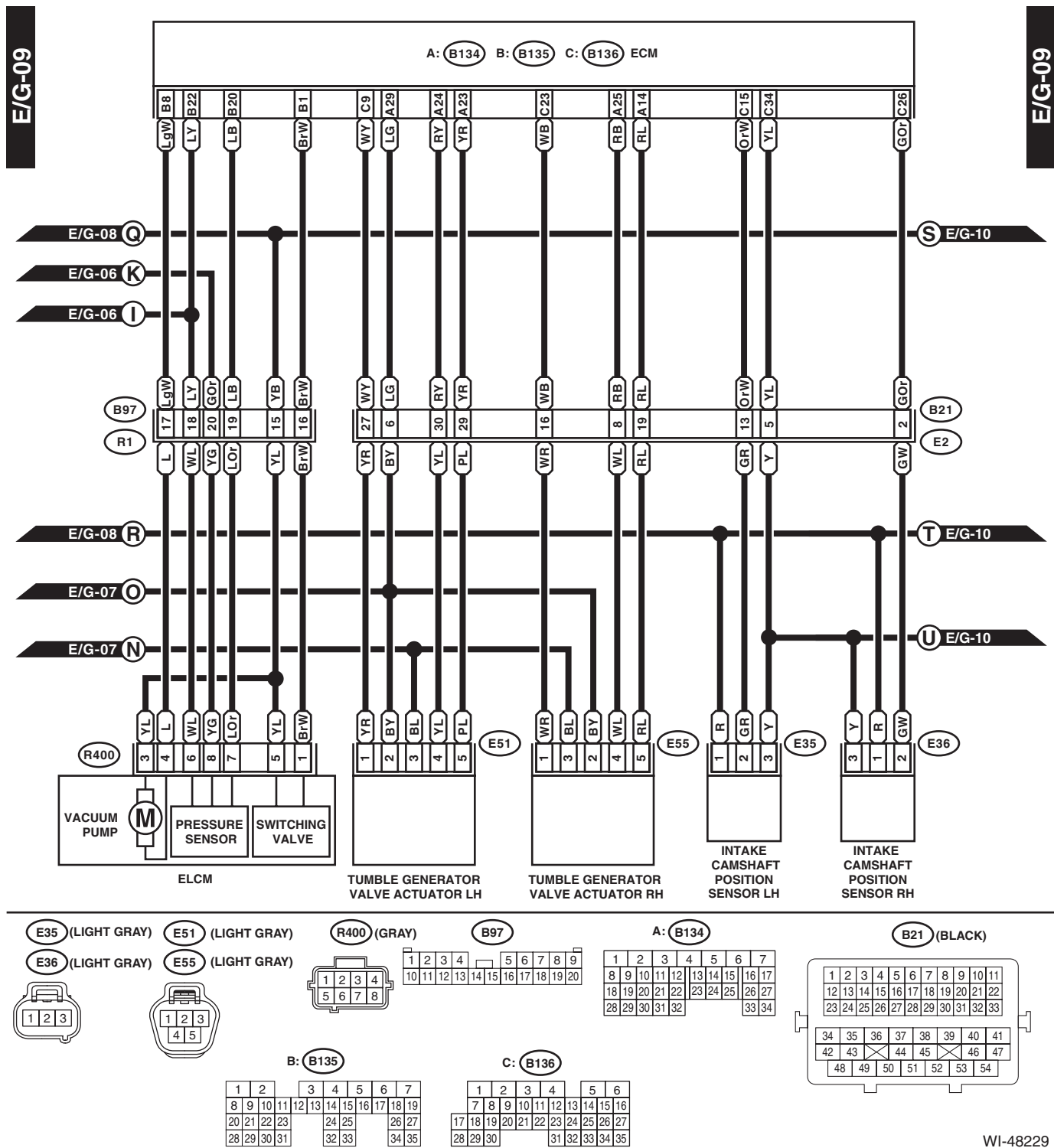
WIRING SYSTEM



WIRING SYSTEM

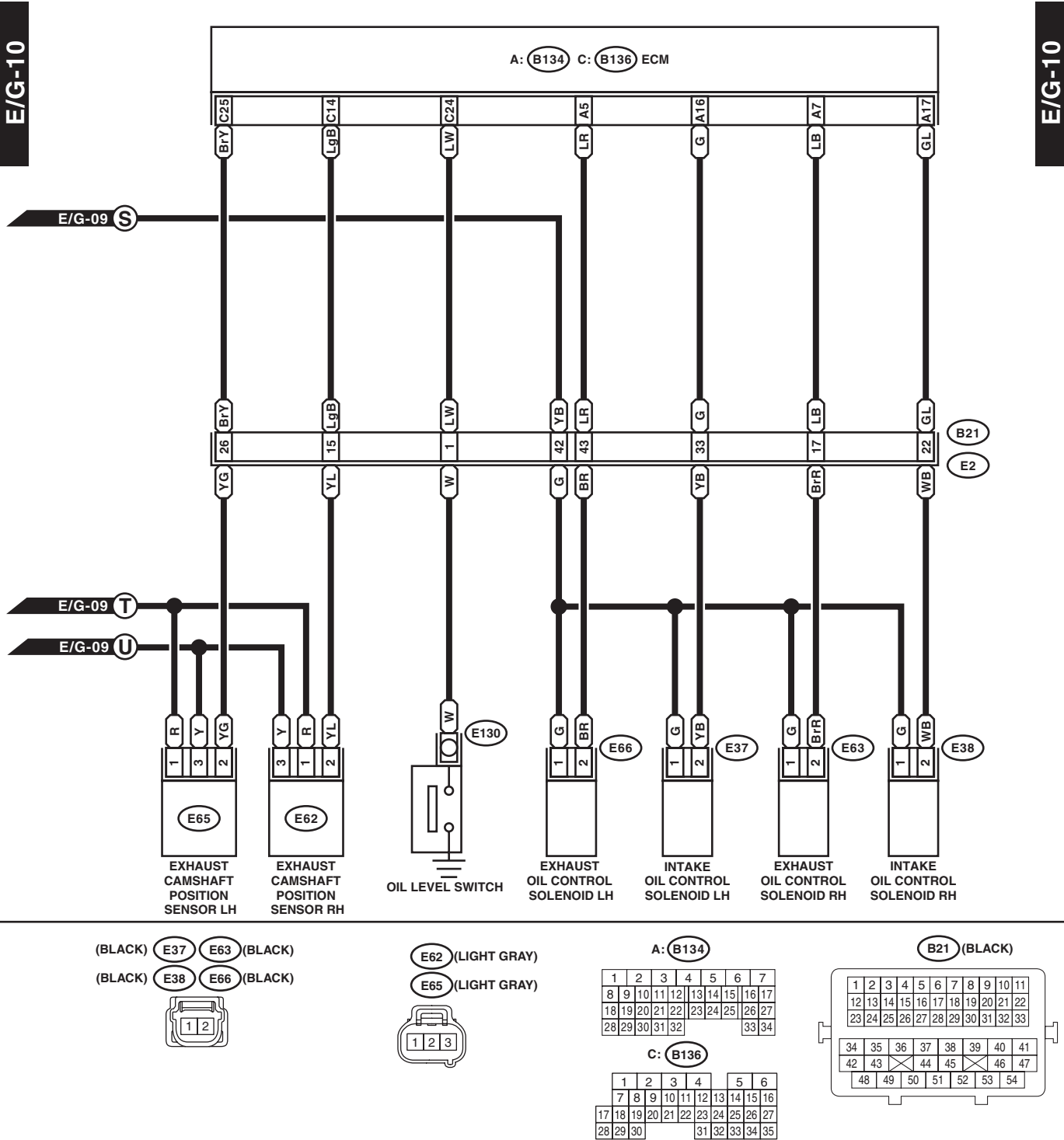
Engine Electrical System

WIRING SYSTEM



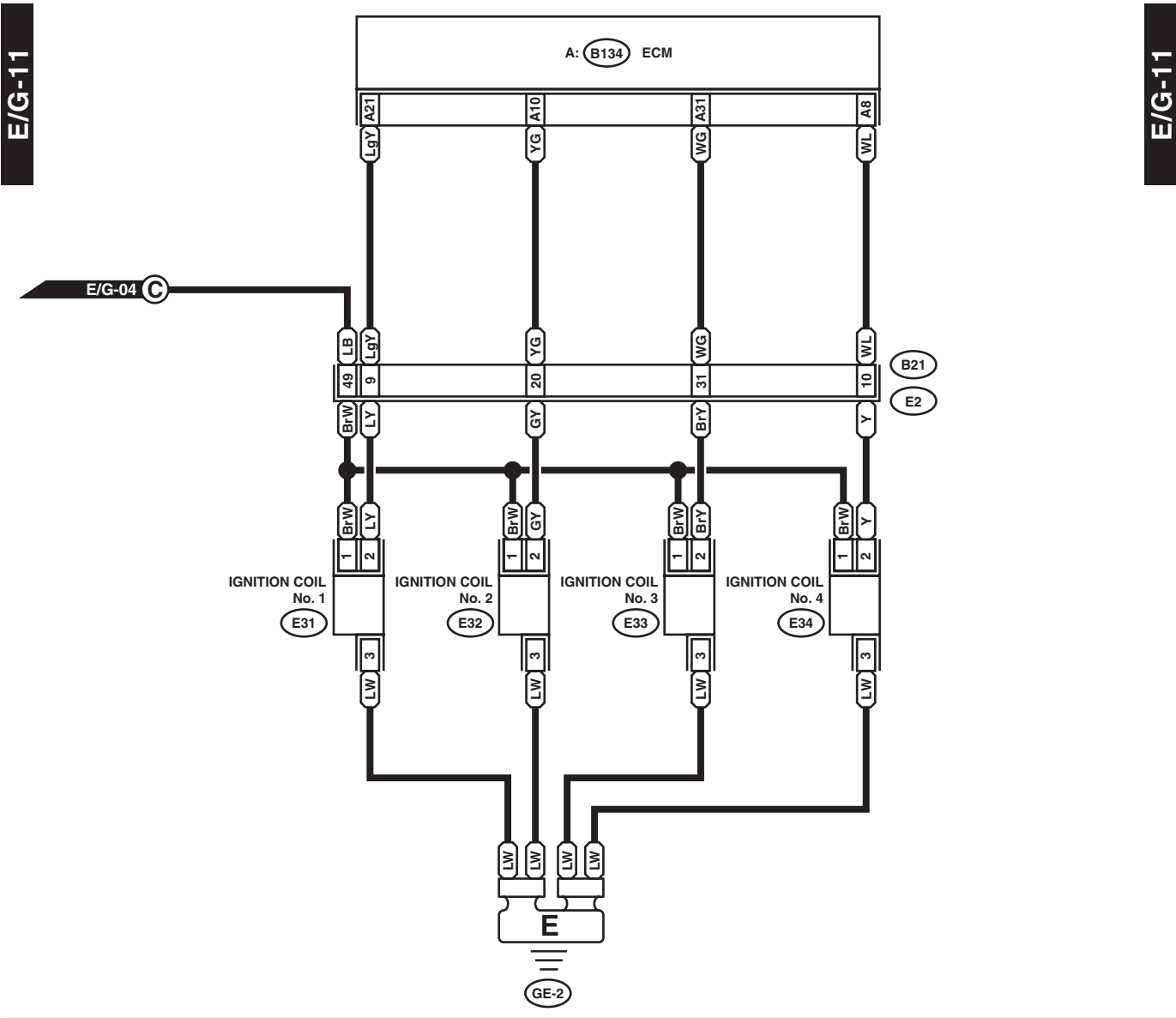
Engine Electrical System

WIRING SYSTEM



Engine Electrical System

WIRING SYSTEM



(BLACK) E31 E33 (BLACK)
(BLACK) E32 E34 (BLACK)



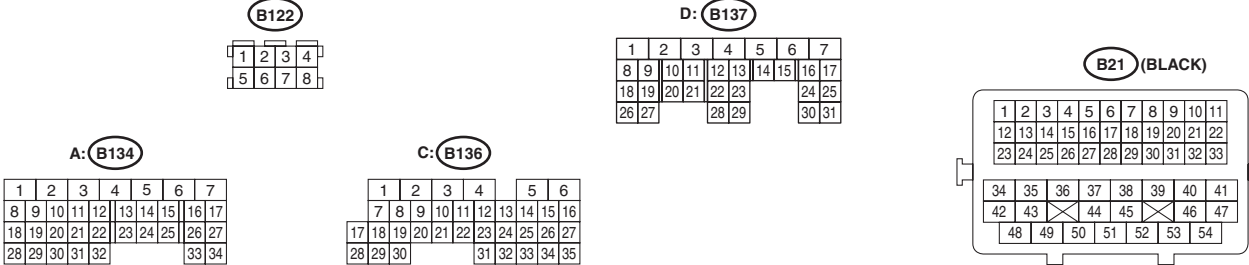
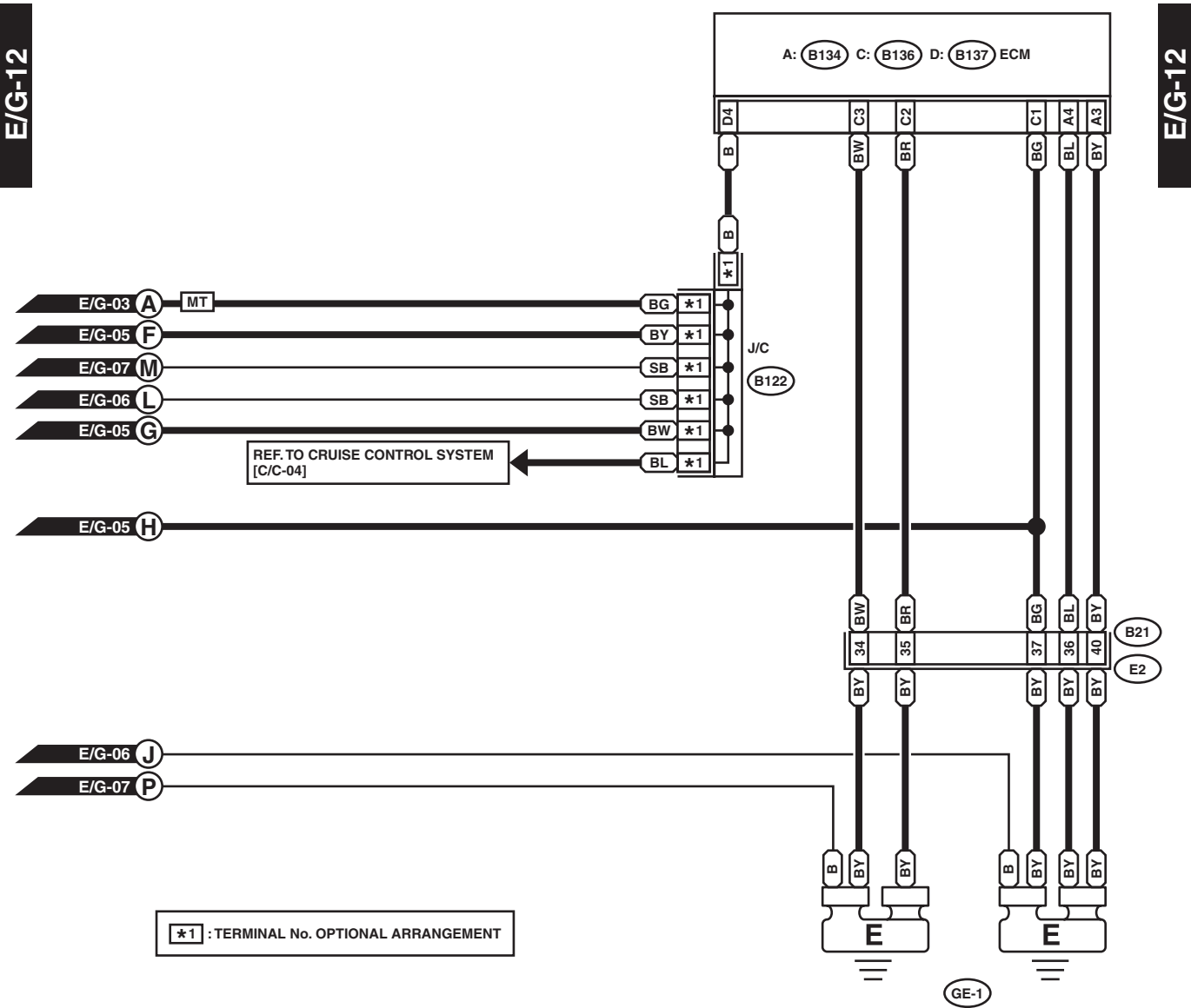
A: B134

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

B21 (BLACK)

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

WI-48231

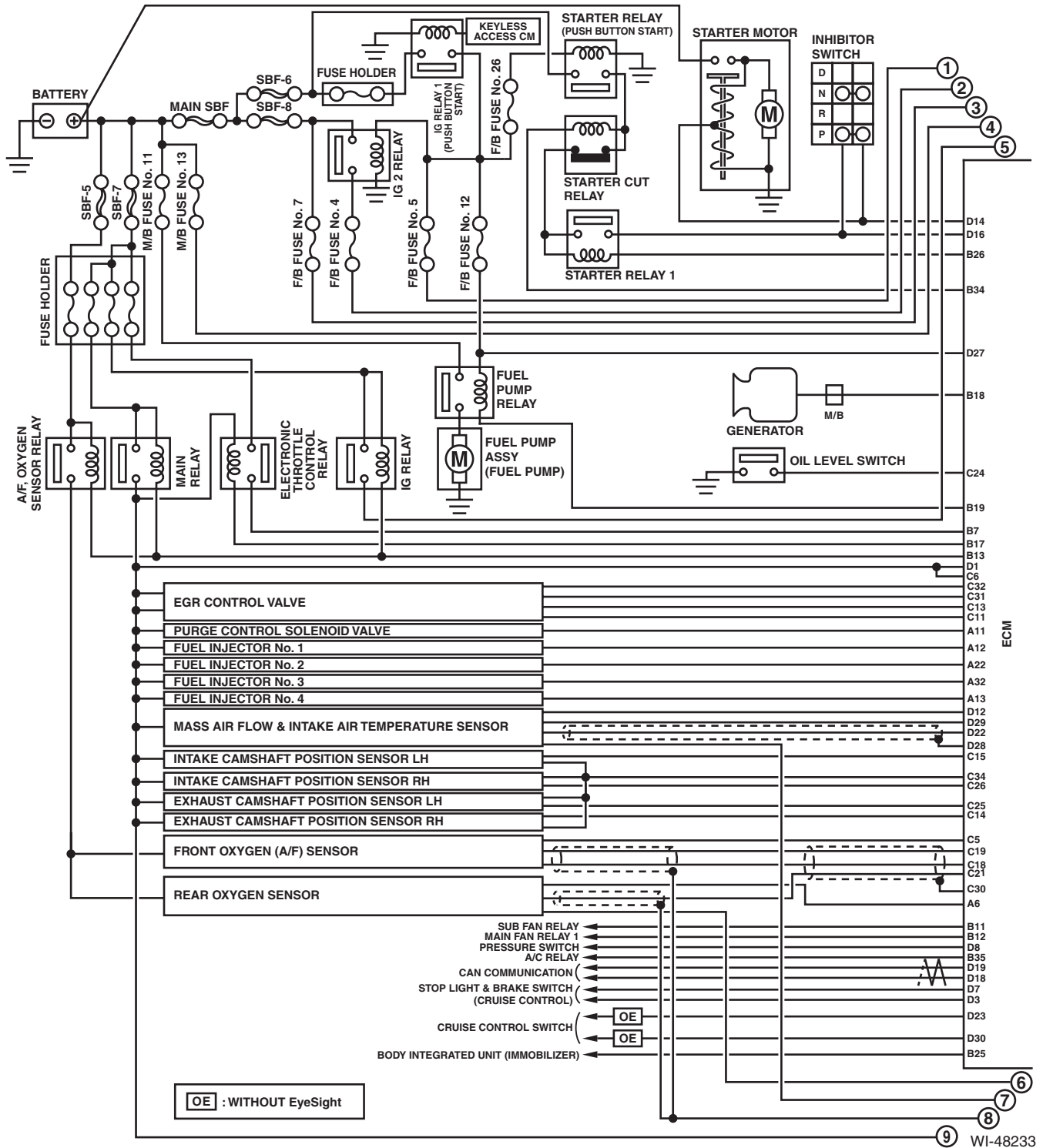


WI-48232

Engine Electrical System

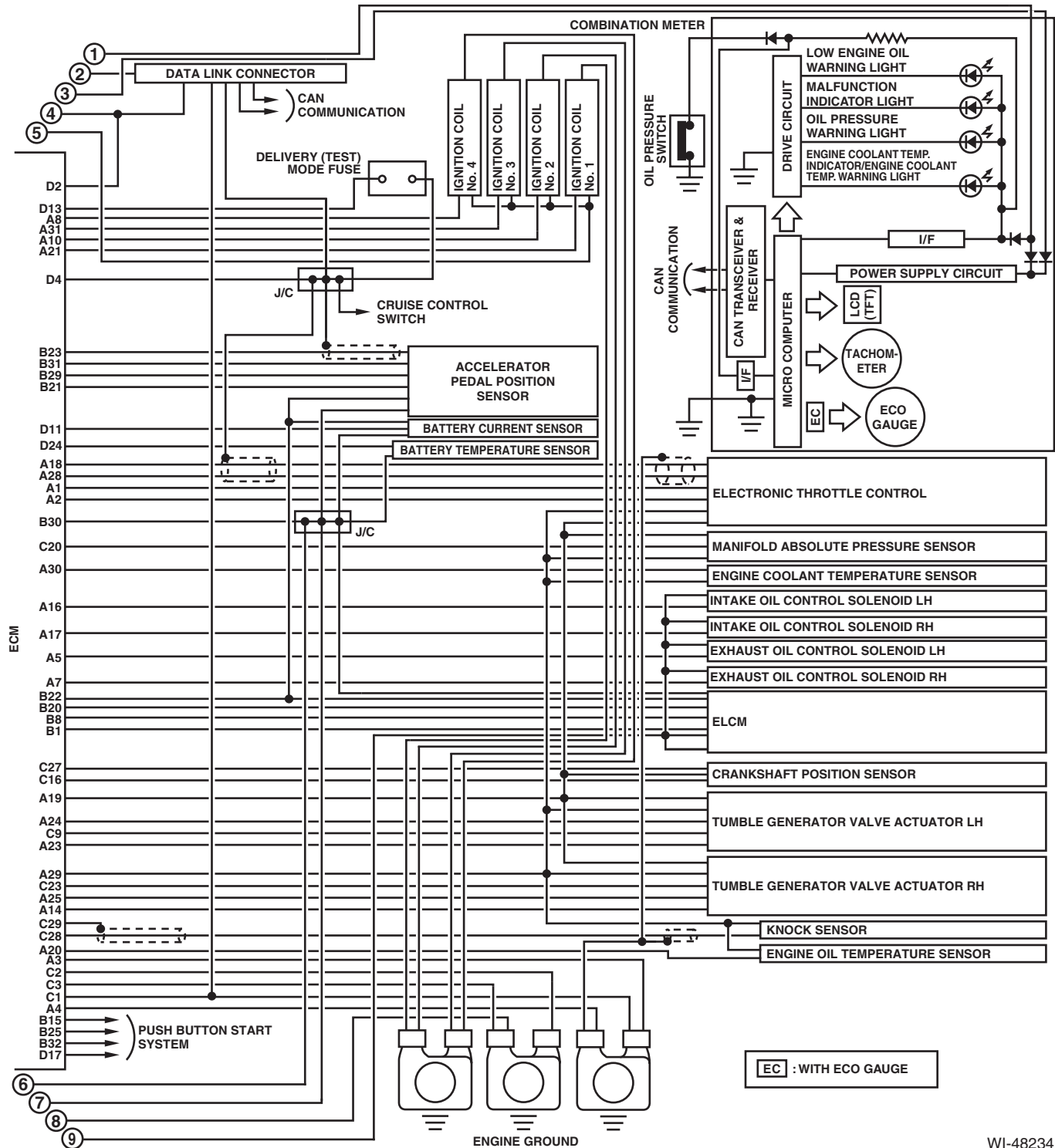
WIRING SYSTEM

2. WITH PUSH BUTTON START



Engine Electrical System

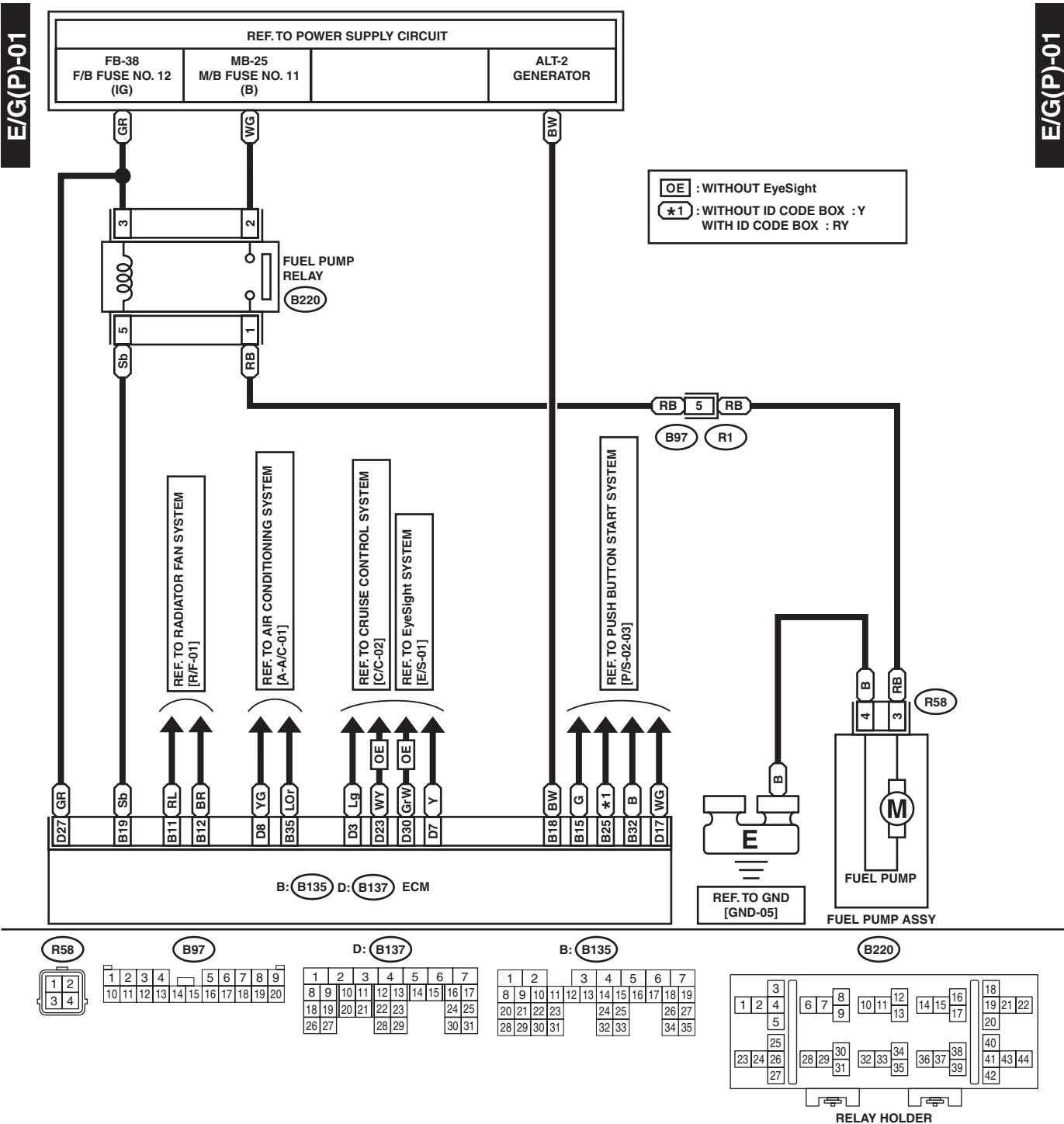
WIRING SYSTEM



WI-48234

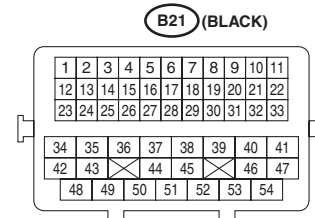
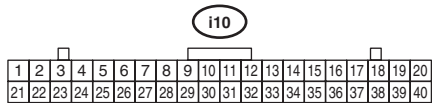
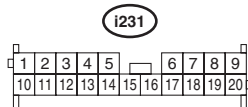
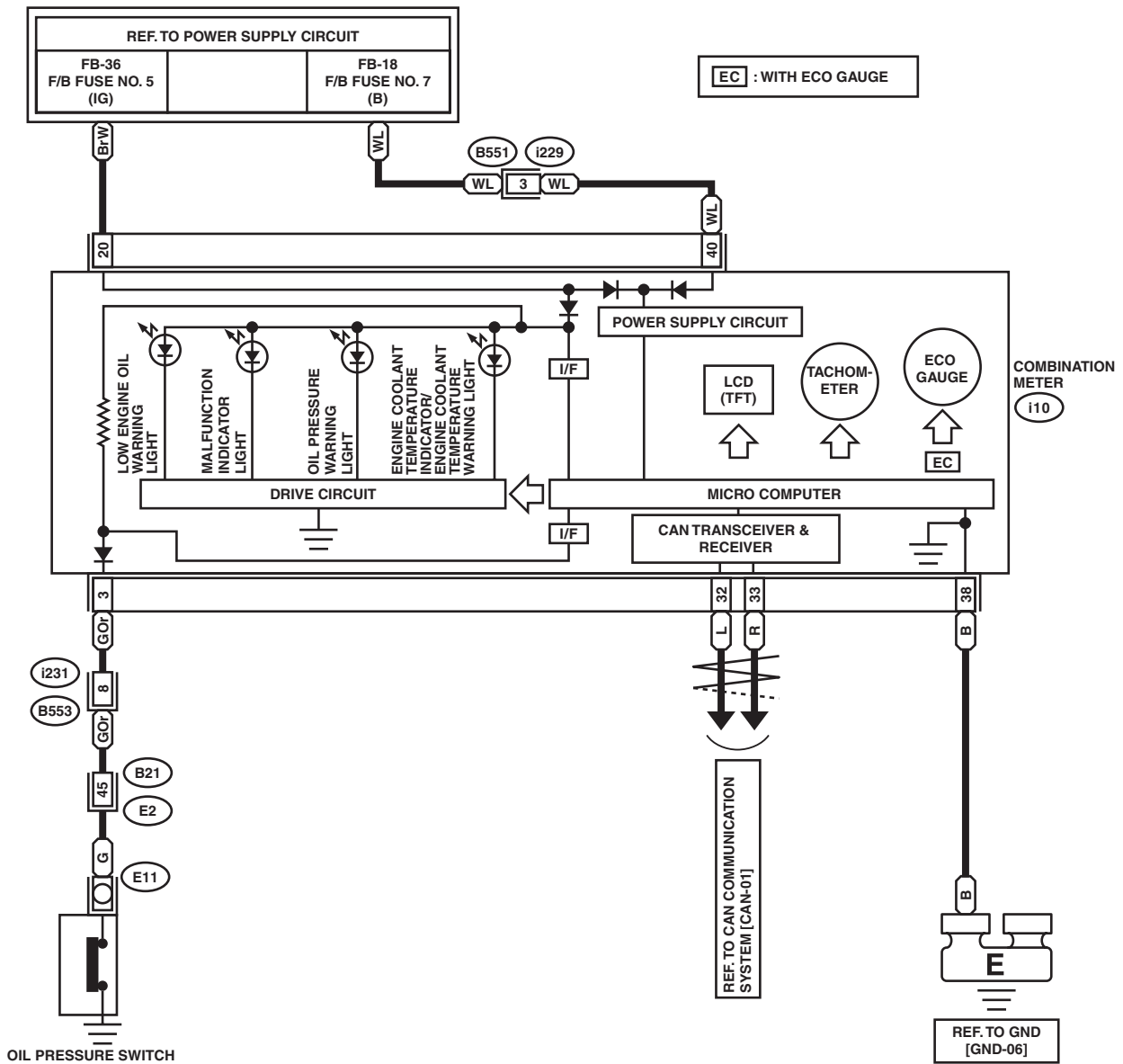
Engine Electrical System

WIRING SYSTEM



E/G(P)-02

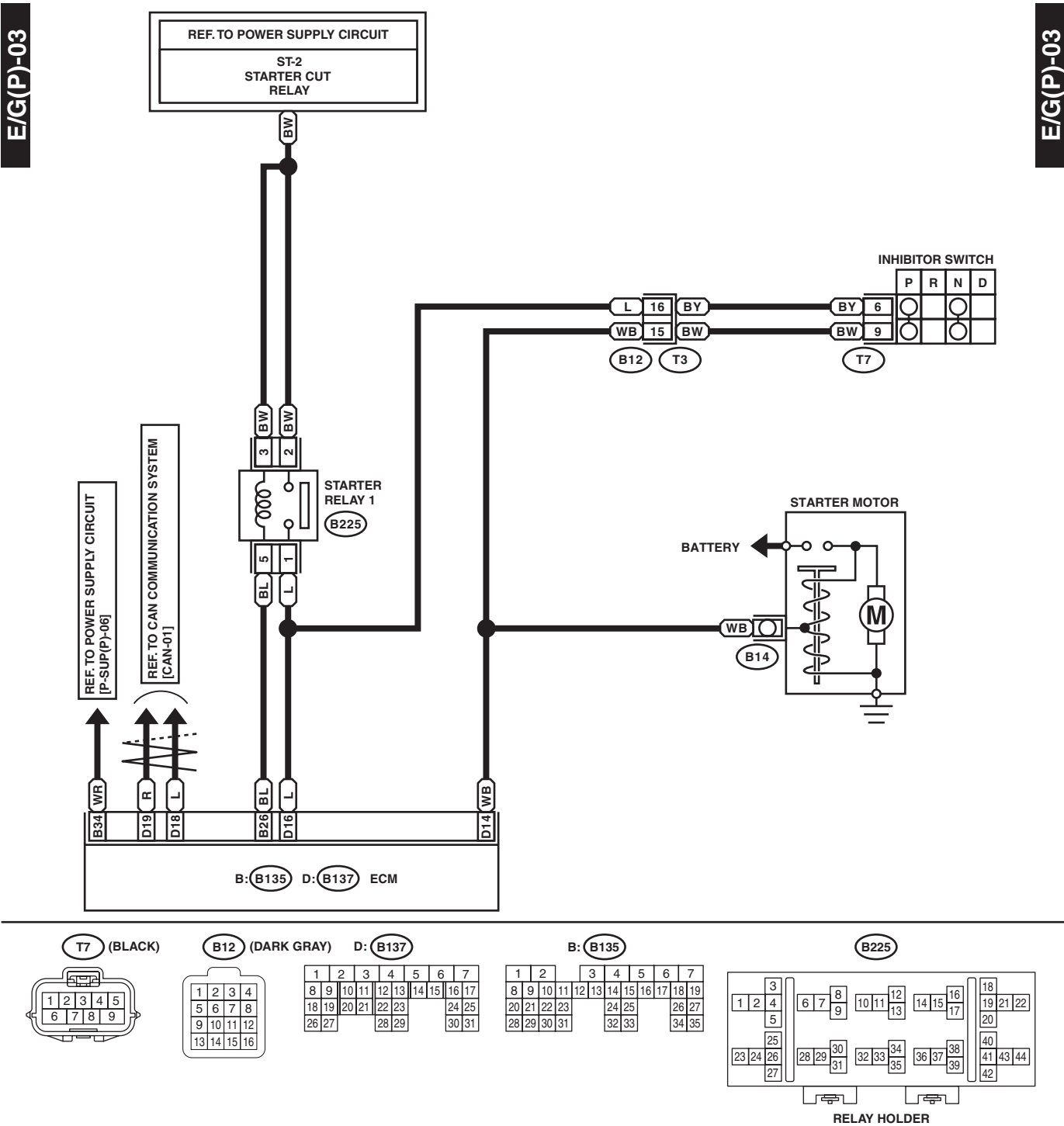
E/G(P)-02



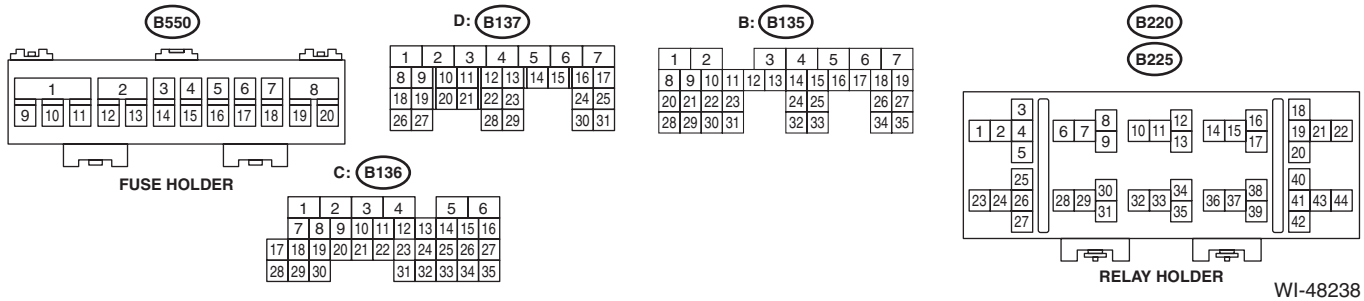
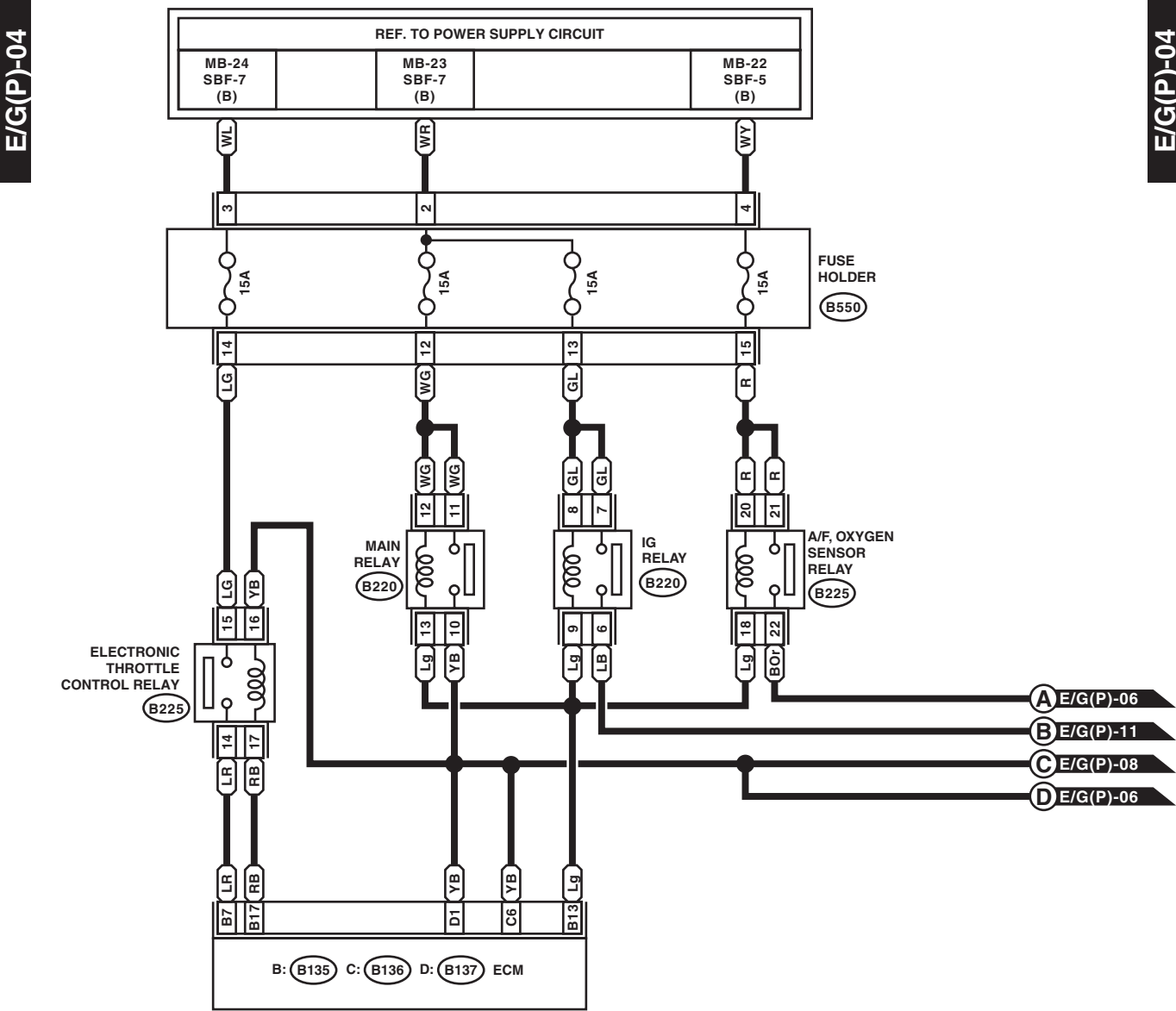
WI-48236

Engine Electrical System

WIRING SYSTEM

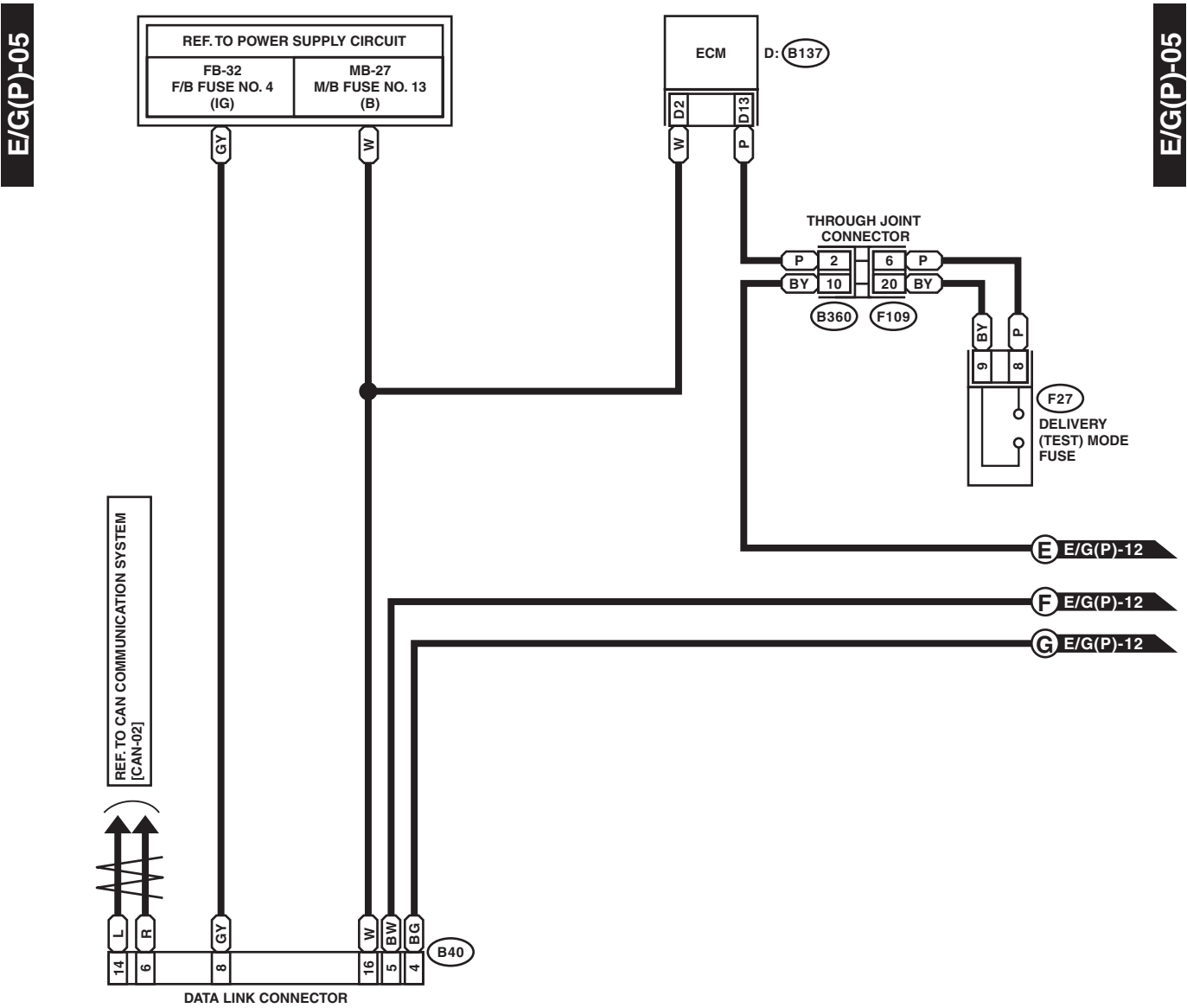


WI-48237



Engine Electrical System

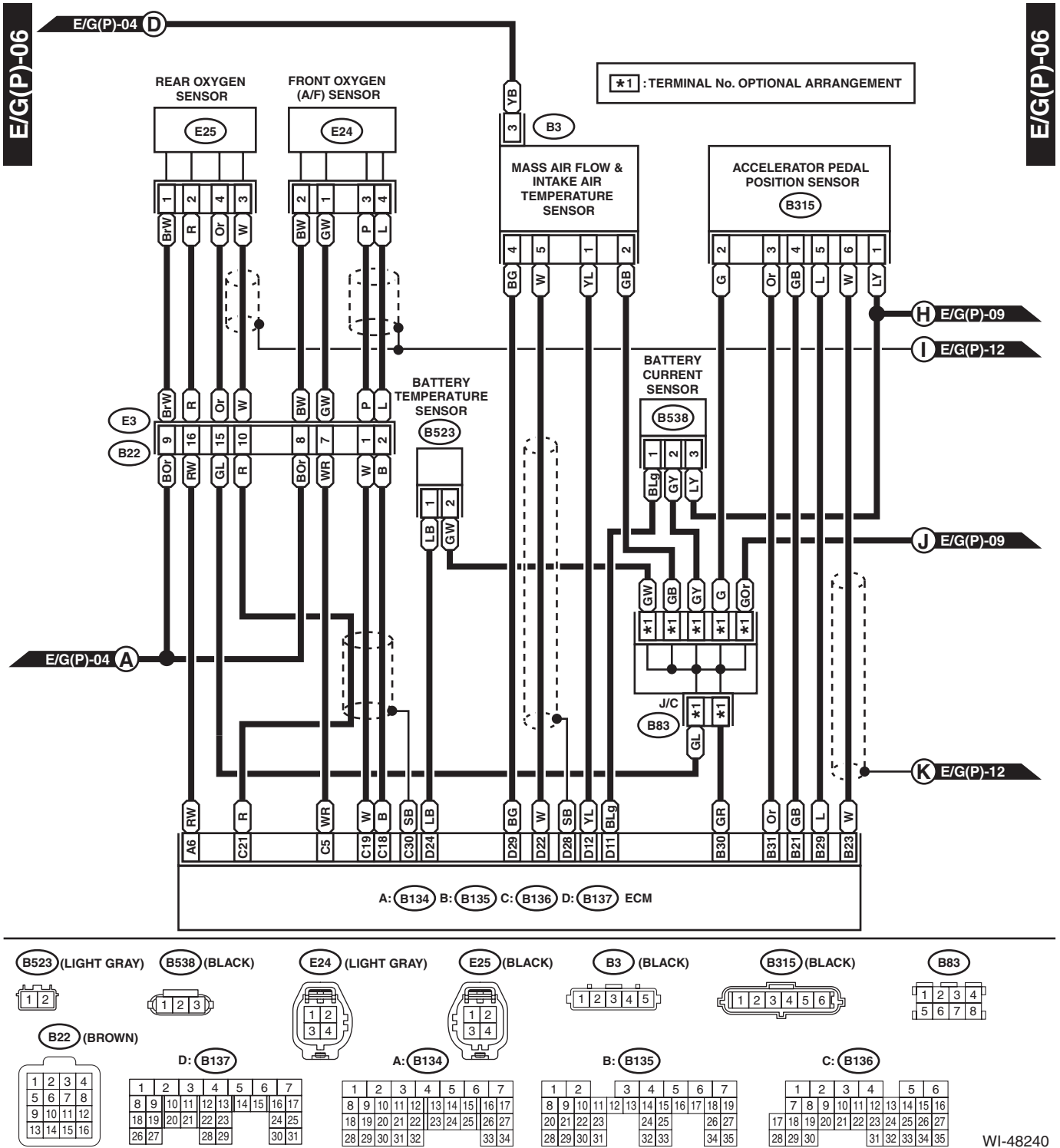
WIRING SYSTEM



WI-48239

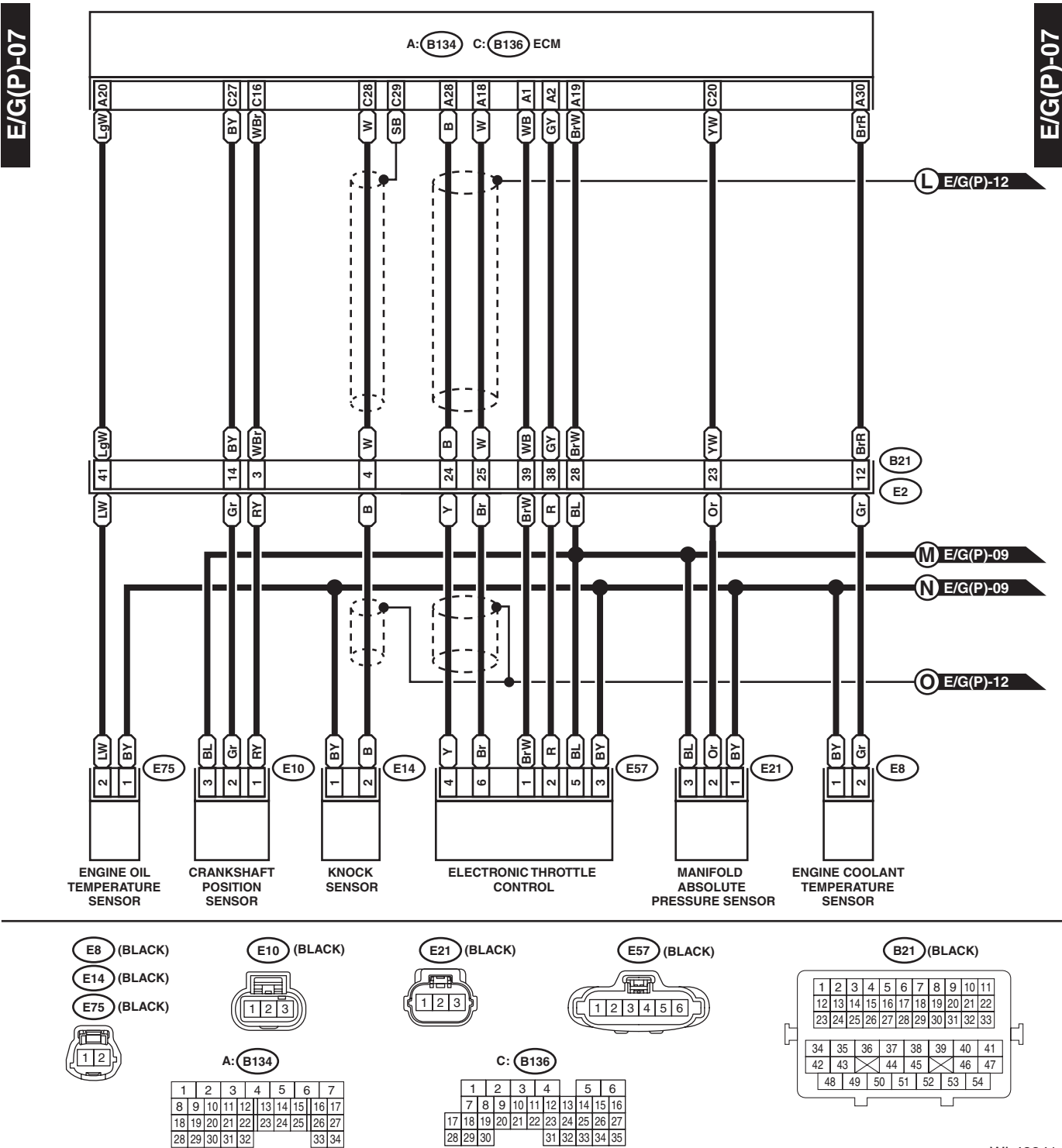
Engine Electrical System

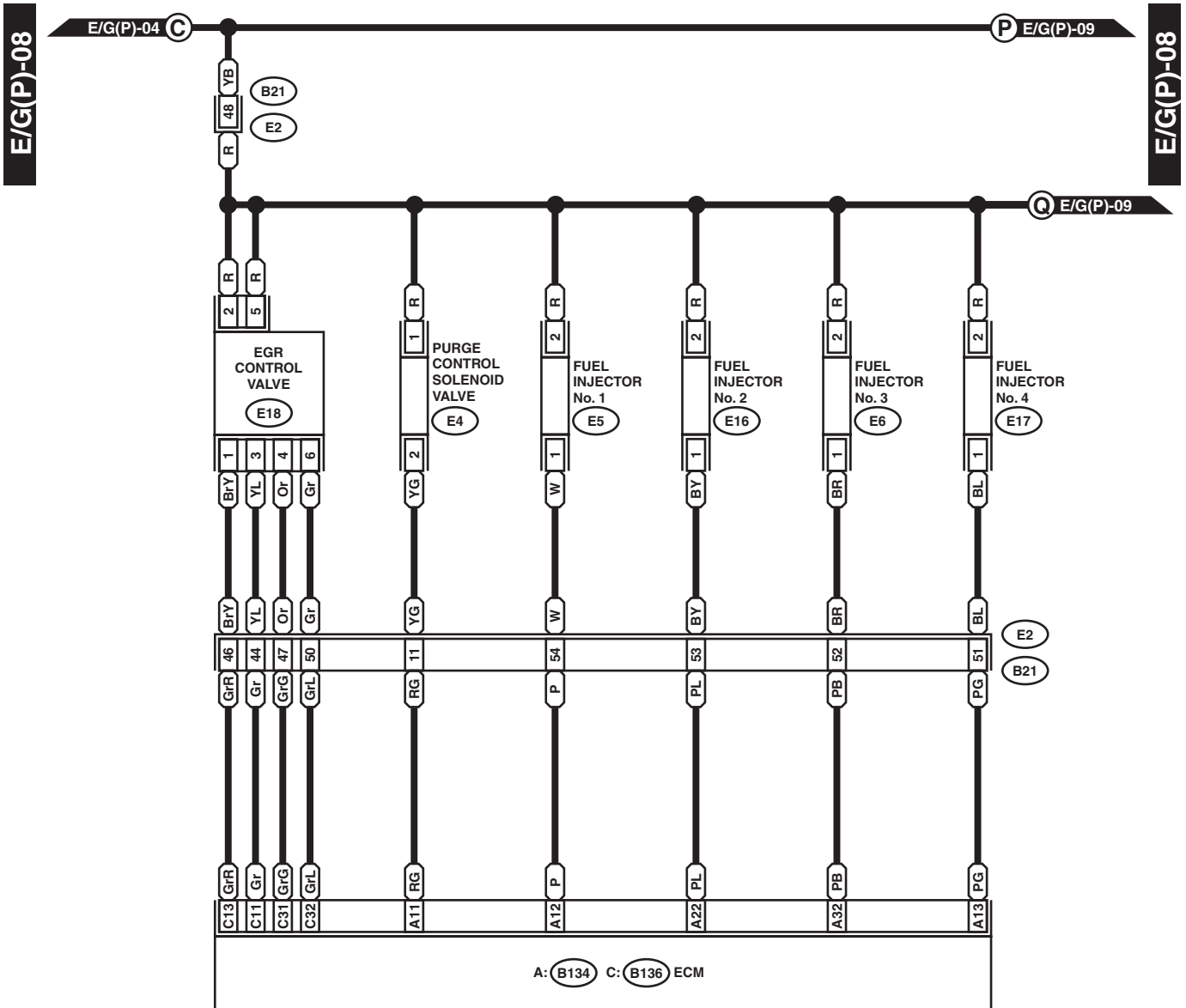
WIRING SYSTEM



Engine Electrical System

WIRING SYSTEM





E4(BLUE)



(DARK GRAY) E5 E16 (DARK GRAY)
(DARK GRAY) E6 E17 (DARK GRAY)



E18 (DARK GRAY)



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

C: **B136**

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

(B21)(BLACK)

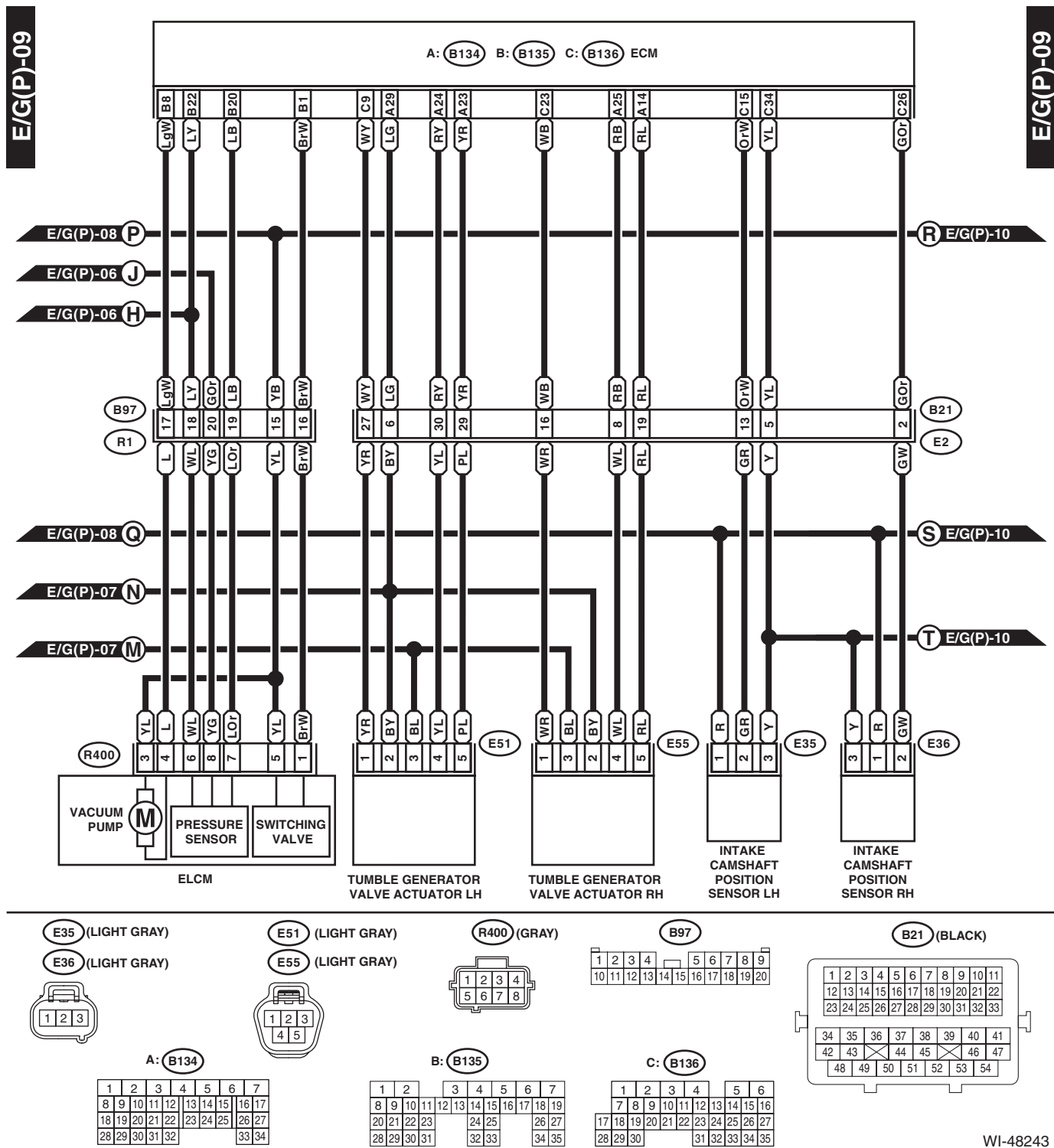
1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31	32	33

34	35	36	37	38	39	40	41
42	43	X	44	45	X	46	47
48	49	50	51	52	53	54	

WI-48242

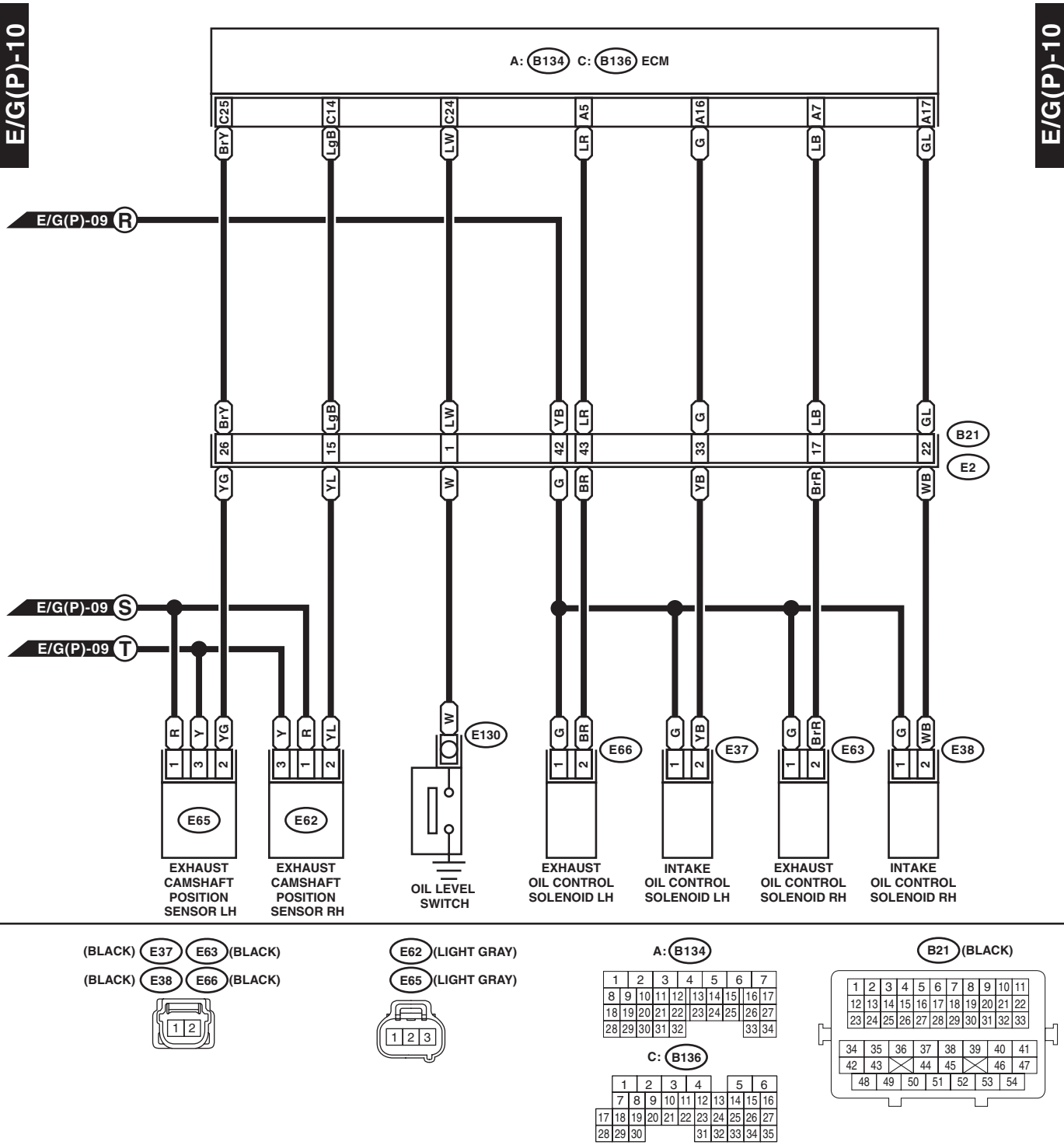
Engine Electrical System

WIRING SYSTEM



Engine Electrical System

WIRING SYSTEM



WI-48244

WIRING SYSTEM

E/G(P)-11

E/G(P)-11



A: (B134)

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

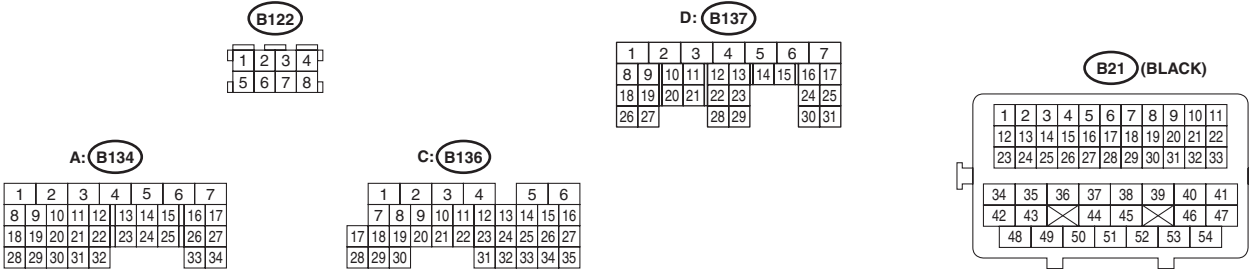
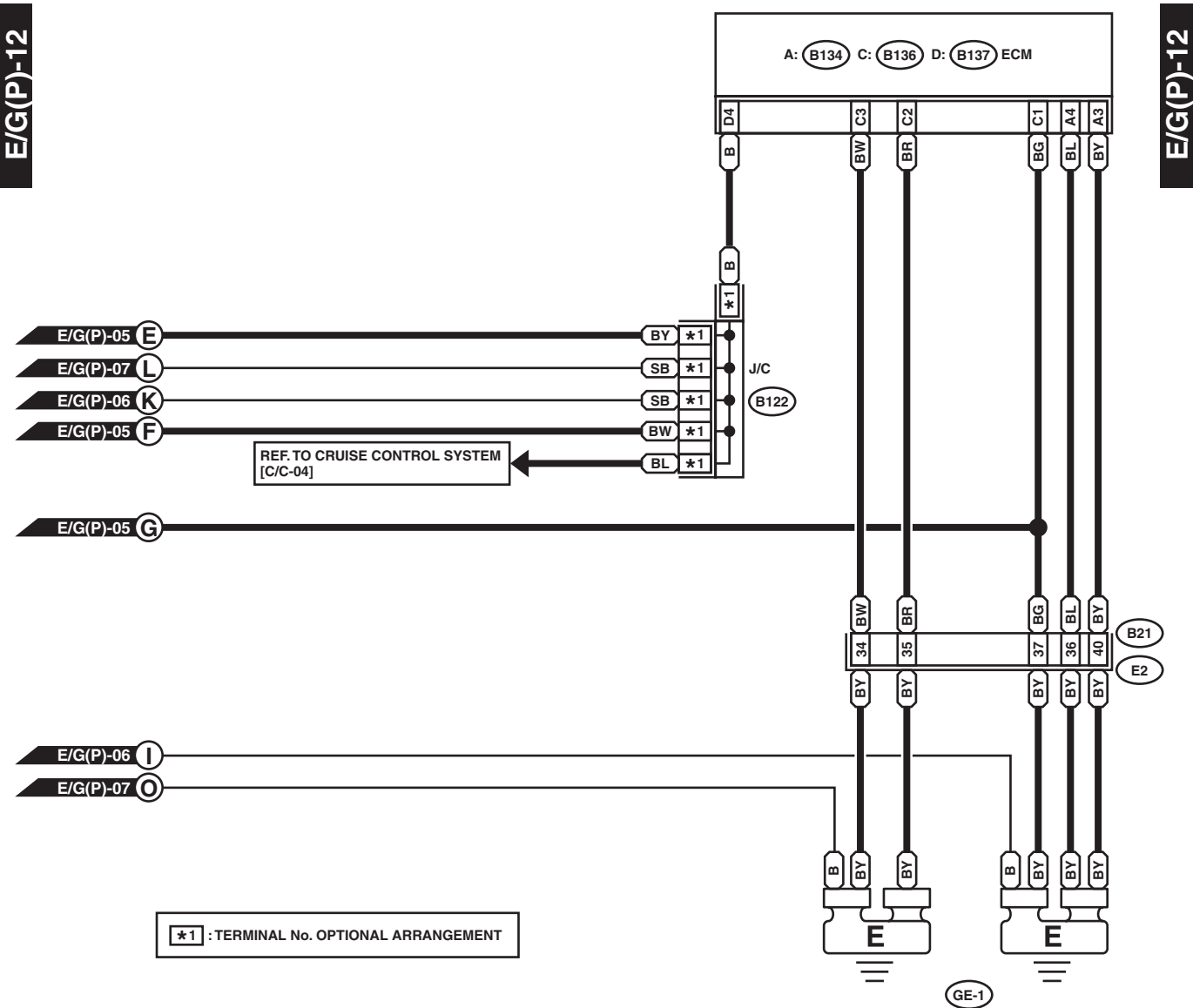
B21 (BLACK)

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

WI(w/o HEV)-124

Engine Electrical System

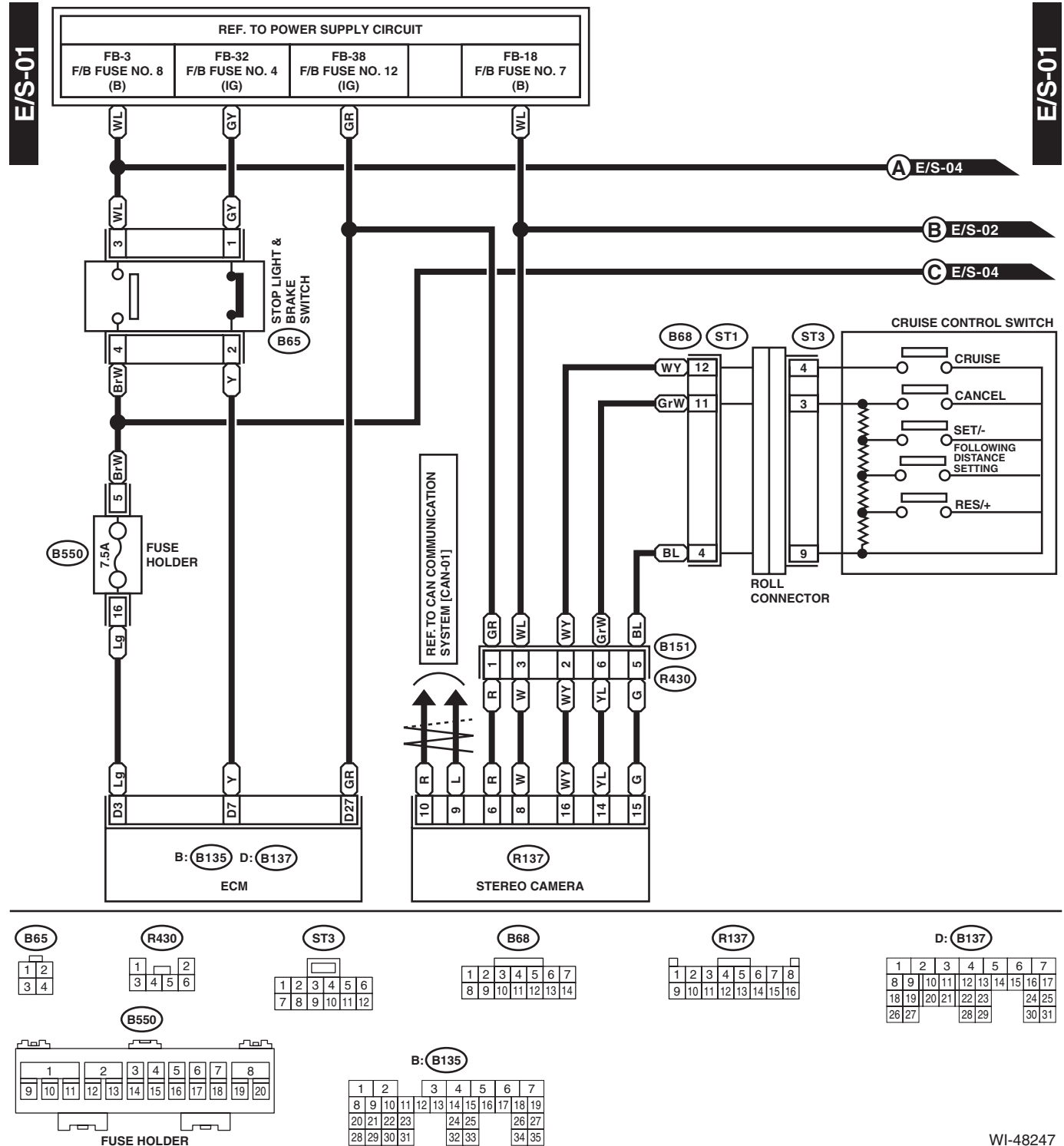
WIRING SYSTEM

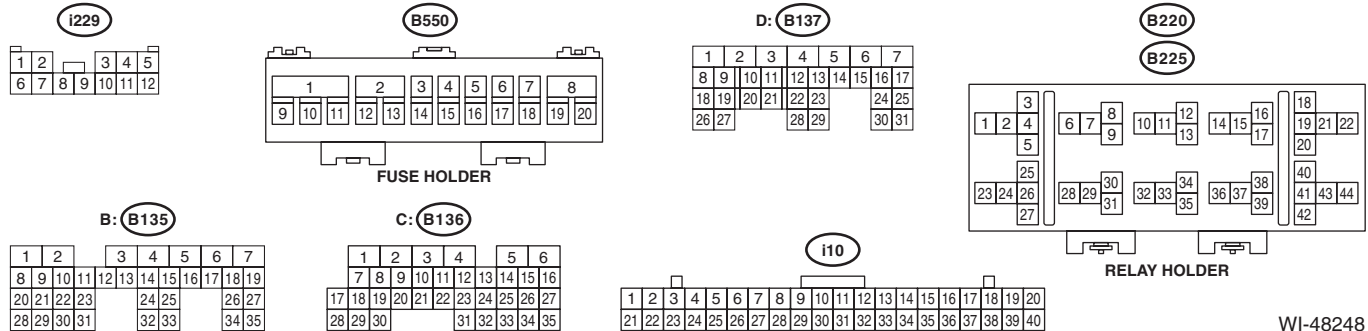
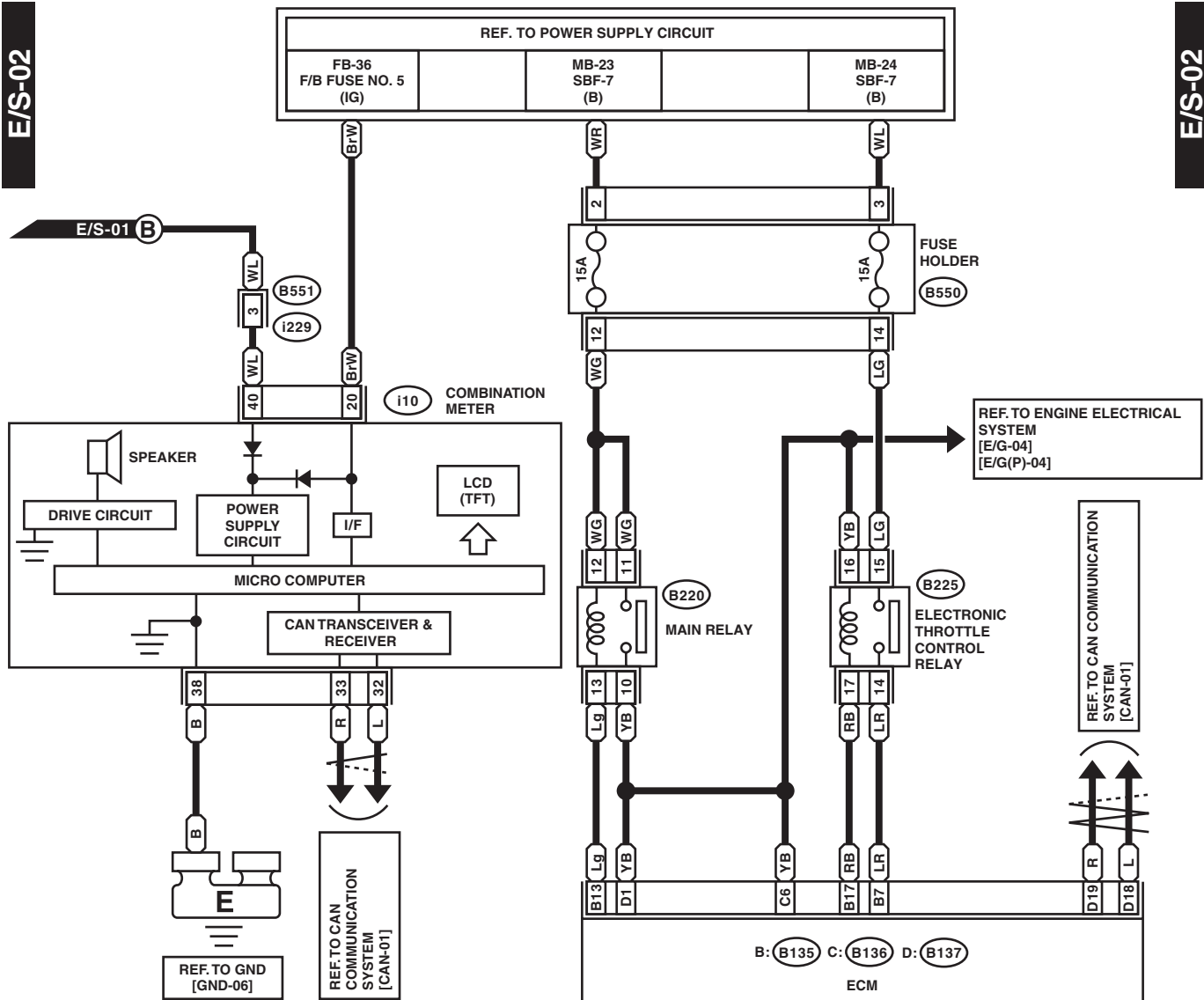


WI-48246

18. EyeSight System

A: WIRING DIAGRAM

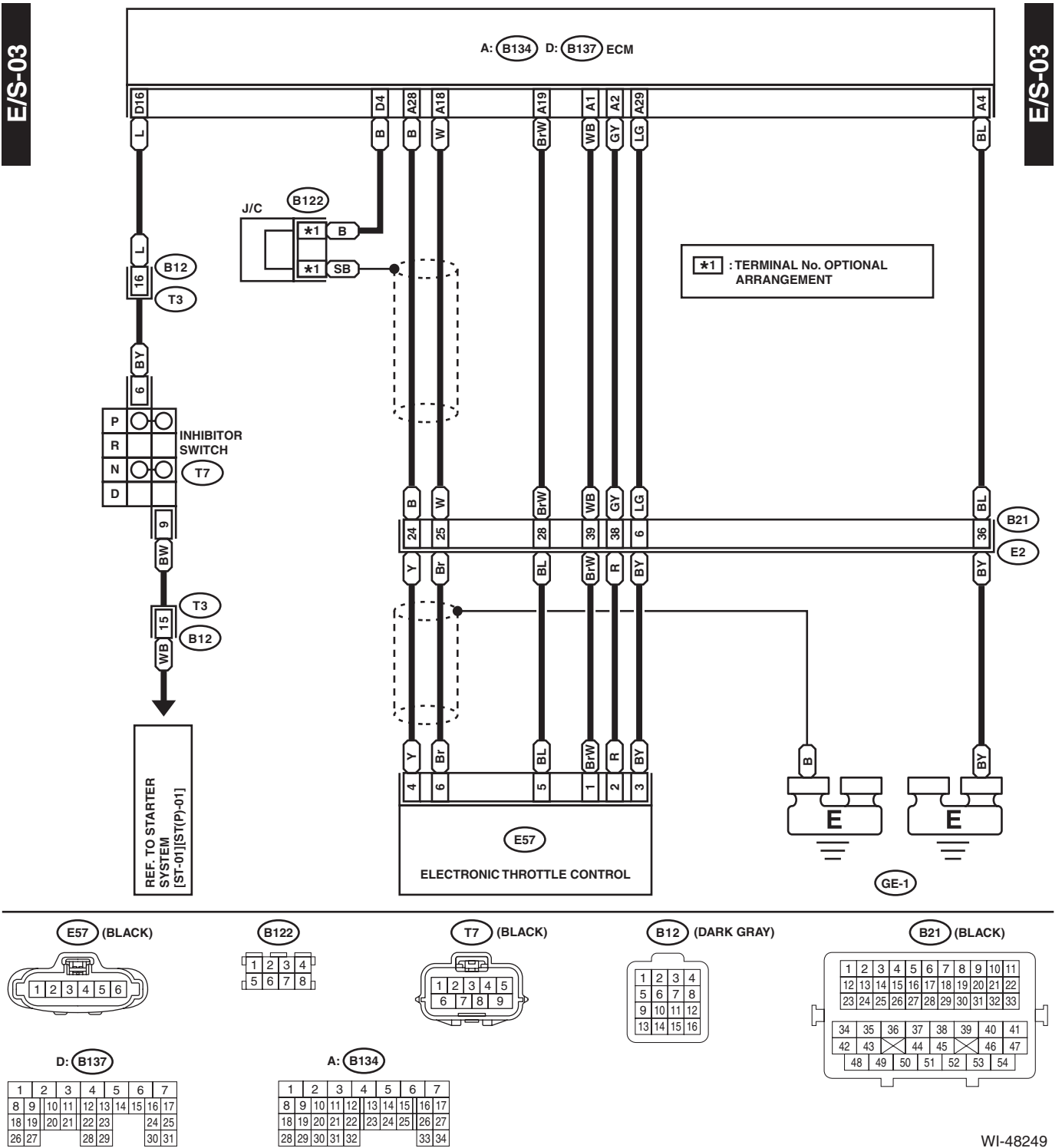




WI-48248

EyeSight System

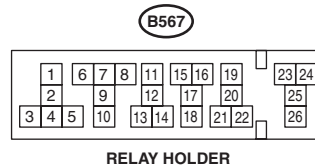
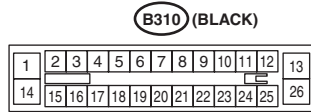
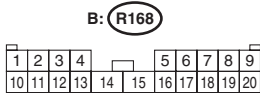
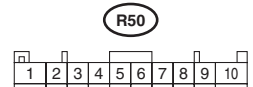
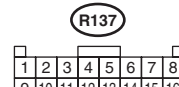
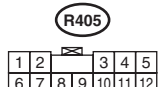
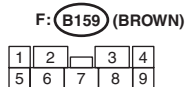
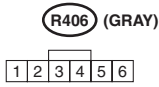
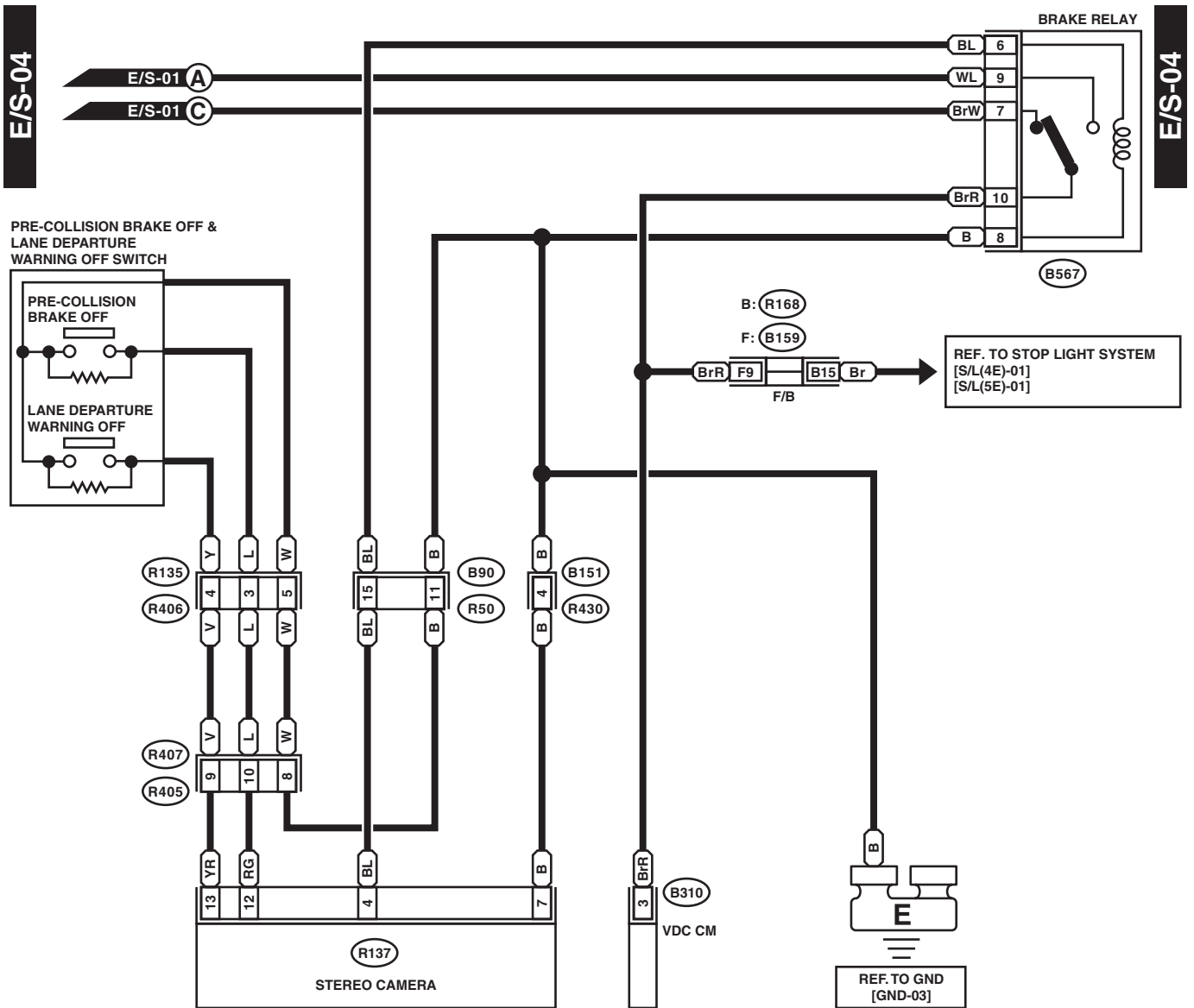
WIRING SYSTEM



WI-48249

EyeSight System

WIRING SYSTEM



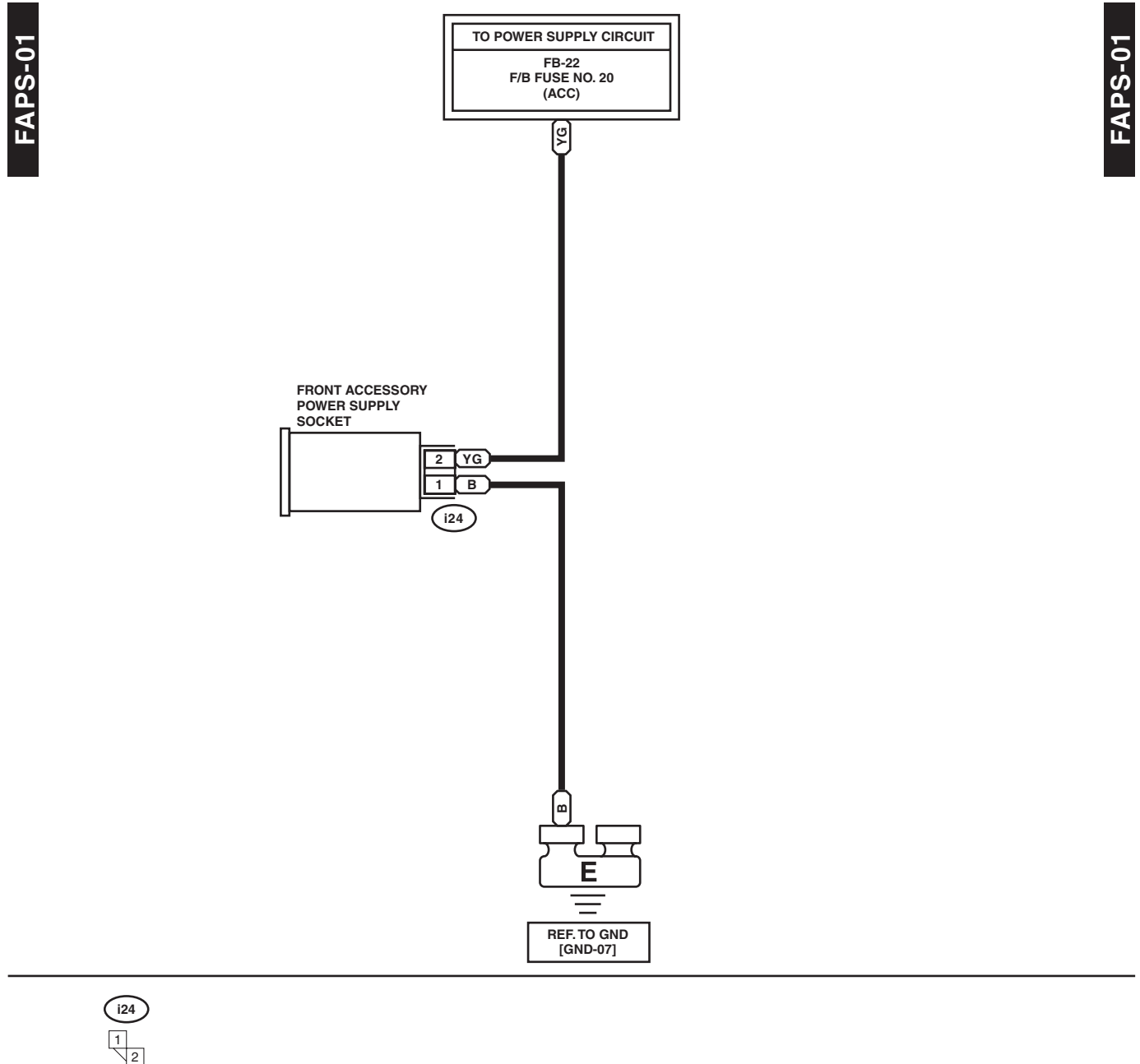
WI-48250

Front Accessory Power Supply Socket System

WIRING SYSTEM

19.Front Accessory Power Supply Socket System

A: WIRING DIAGRAM

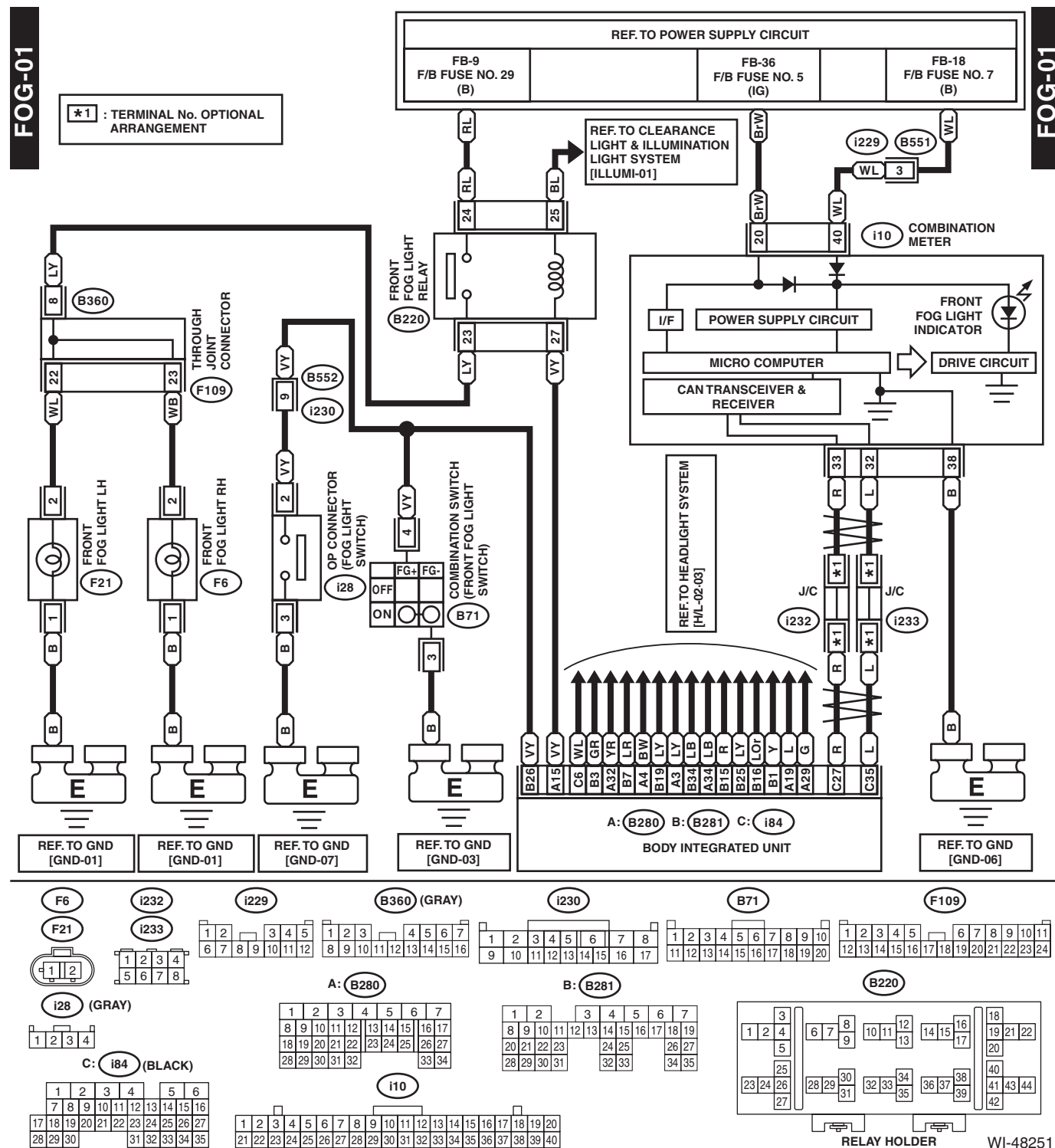


WI-34207

20.Front Fog Light System

A: WIRING DIAGRAM

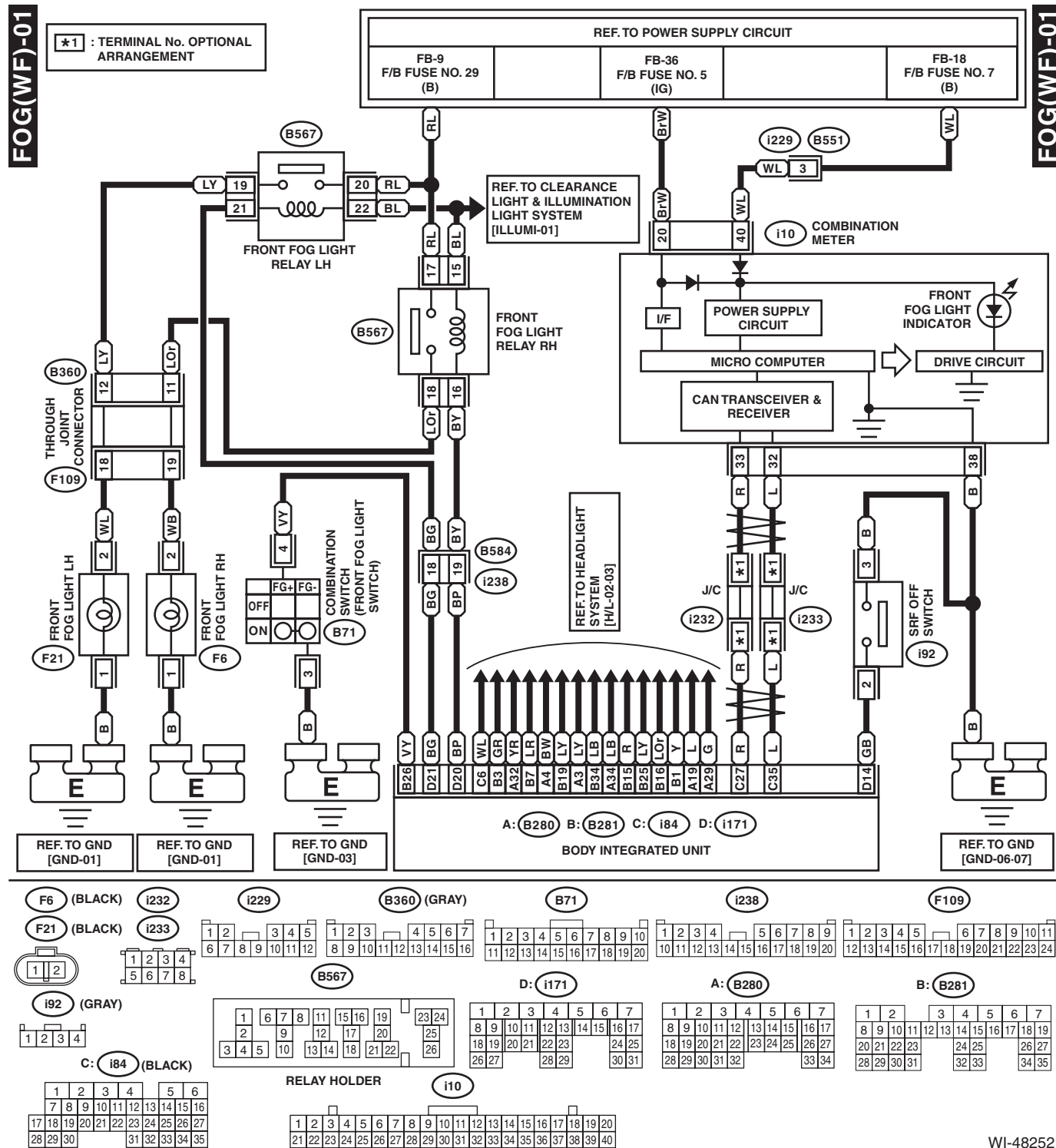
1. WITHOUT SRF



Front Fog Light System

WIRING SYSTEM

2. WITH SRF



WI-48252

A: WIRING DIAGRAM

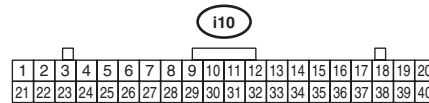
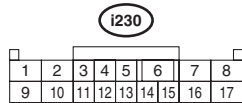
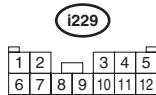
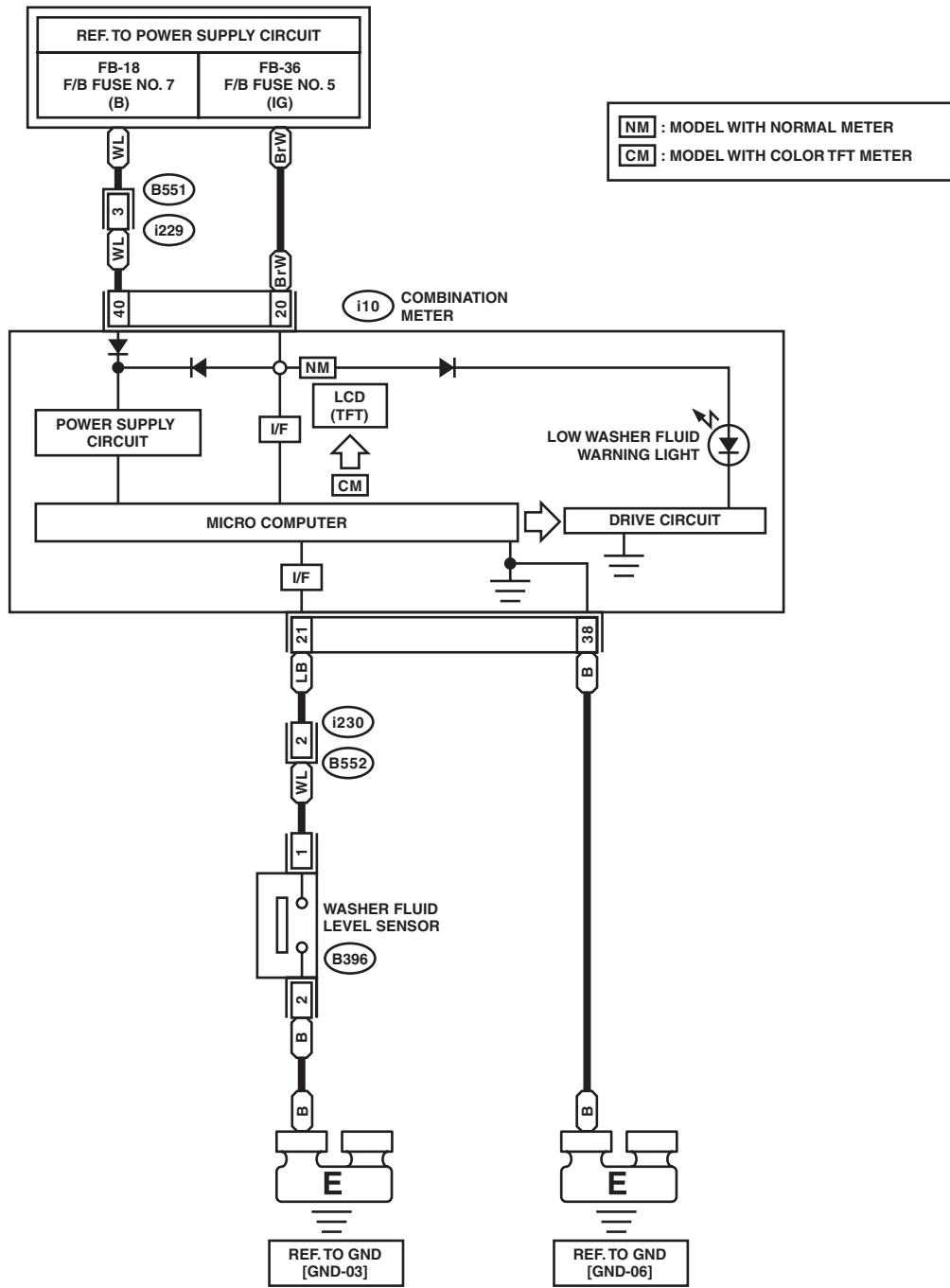


Front Wiper and Washer System

WIRING SYSTEM

F/W-02

F/W-02



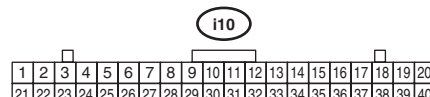
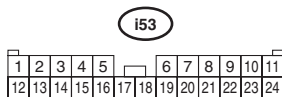
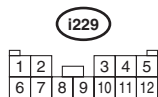
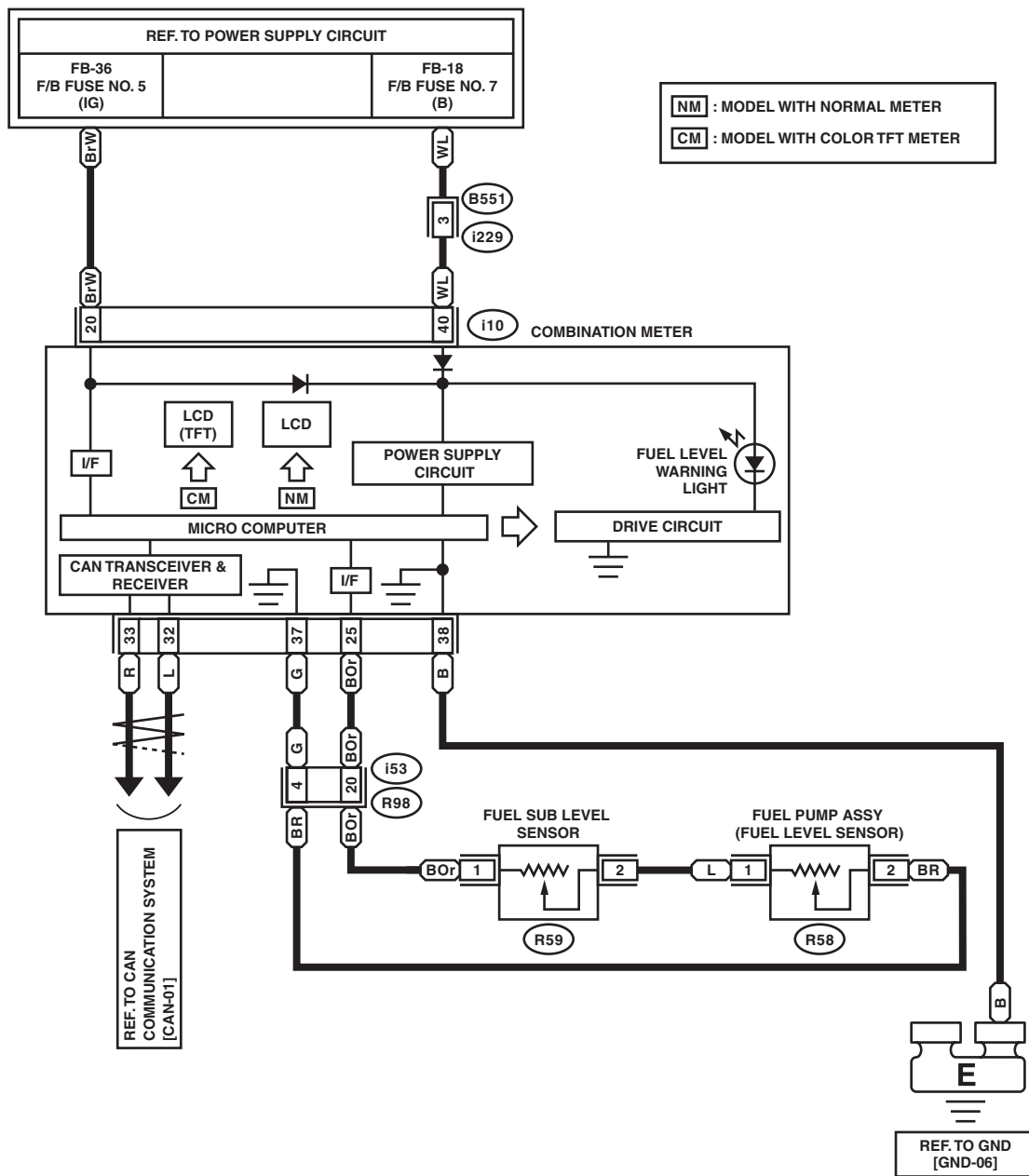
WI-48253

22. Fuel Gauge System

A: WIRING DIAGRAM

F/G-01

F/G-01



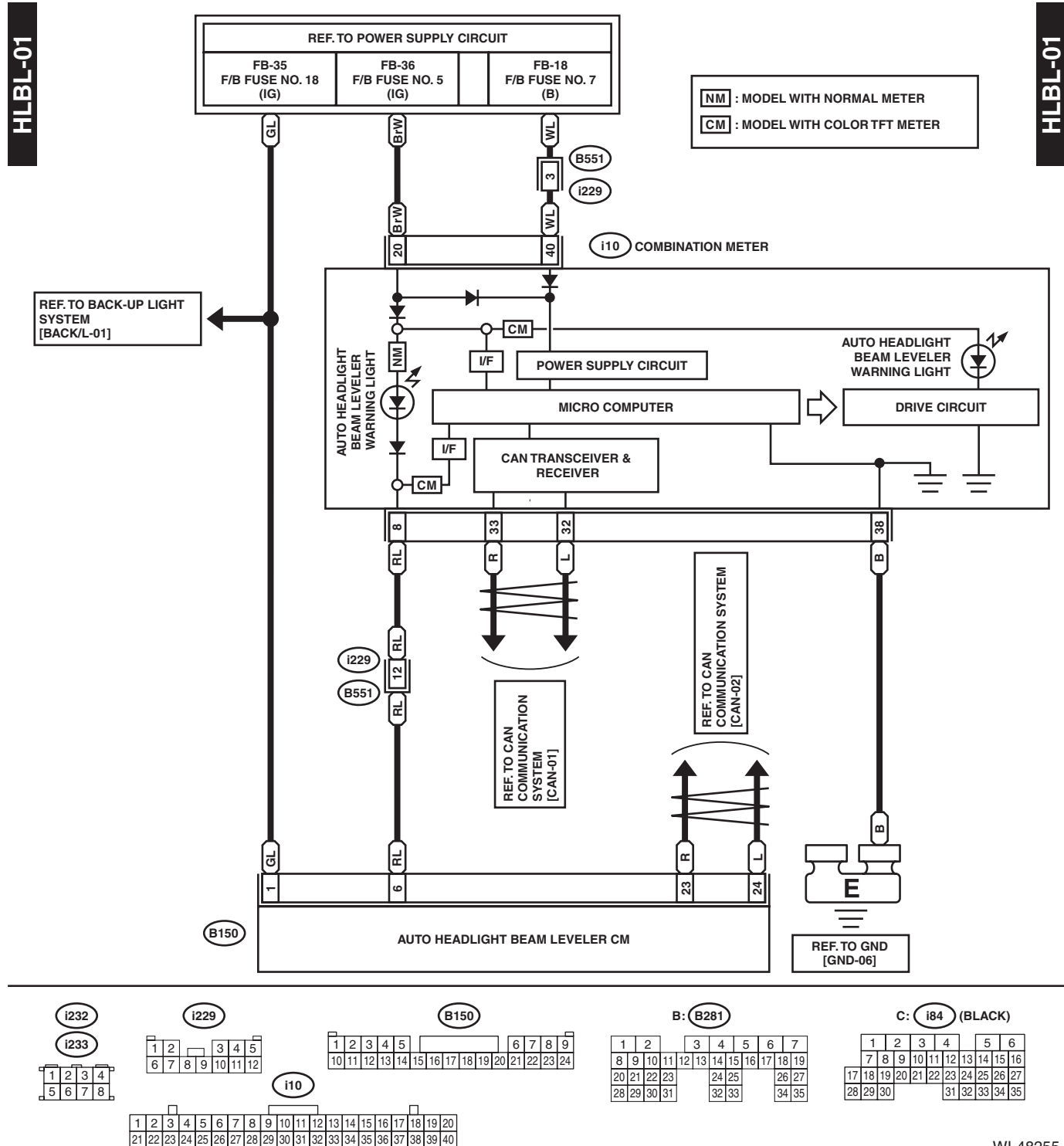
WI-48254

Headlight Beam Leveler System

WIRING SYSTEM

23.Headlight Beam Leveler System

A: WIRING DIAGRAM



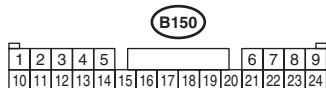
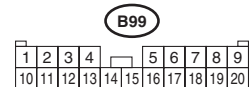
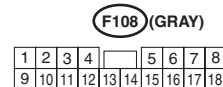
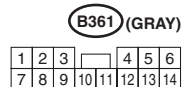
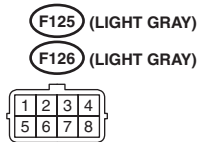
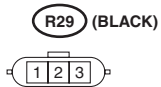
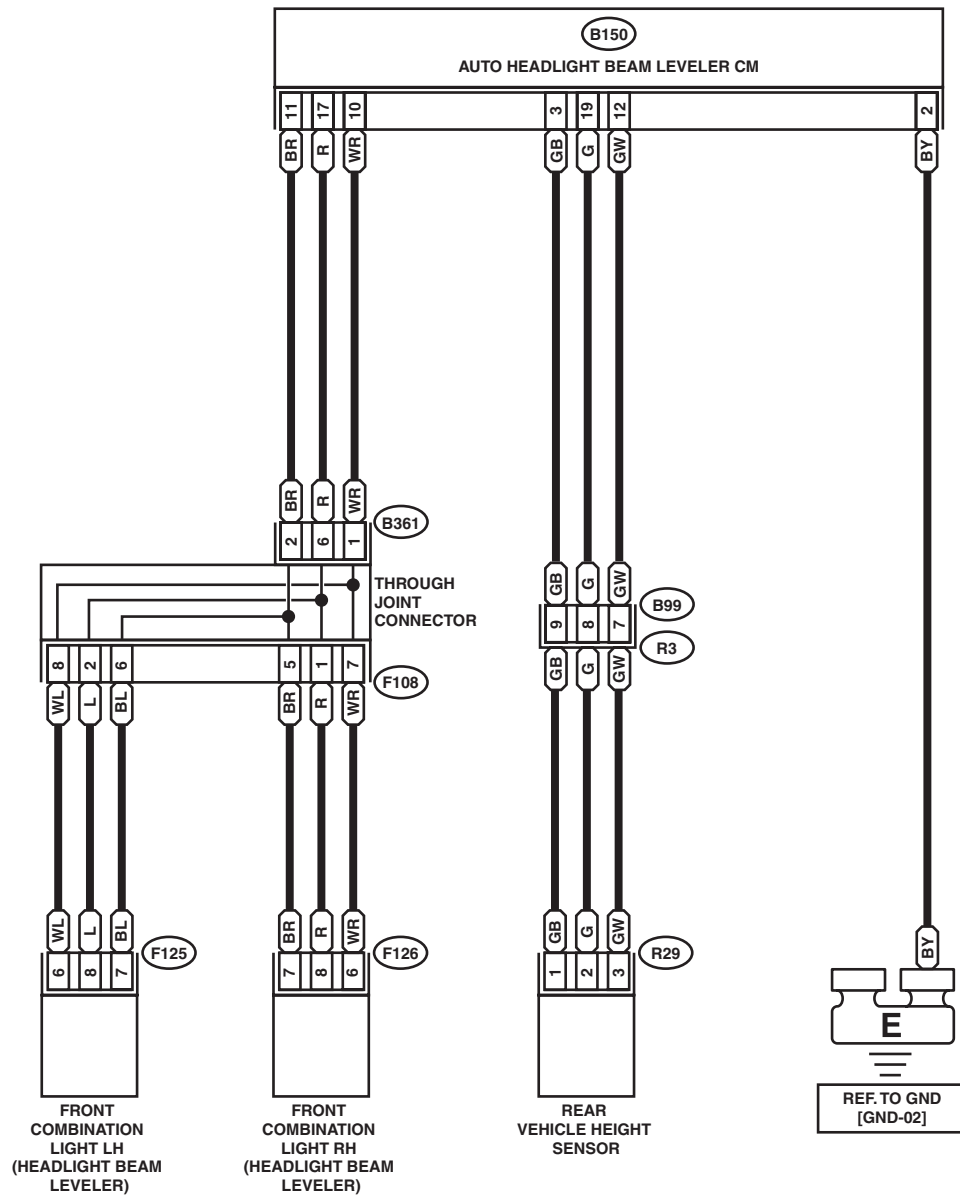
WI-48255

Headlight Beam Leveler System

WIRING SYSTEM

HLBL-02

HLBL-02



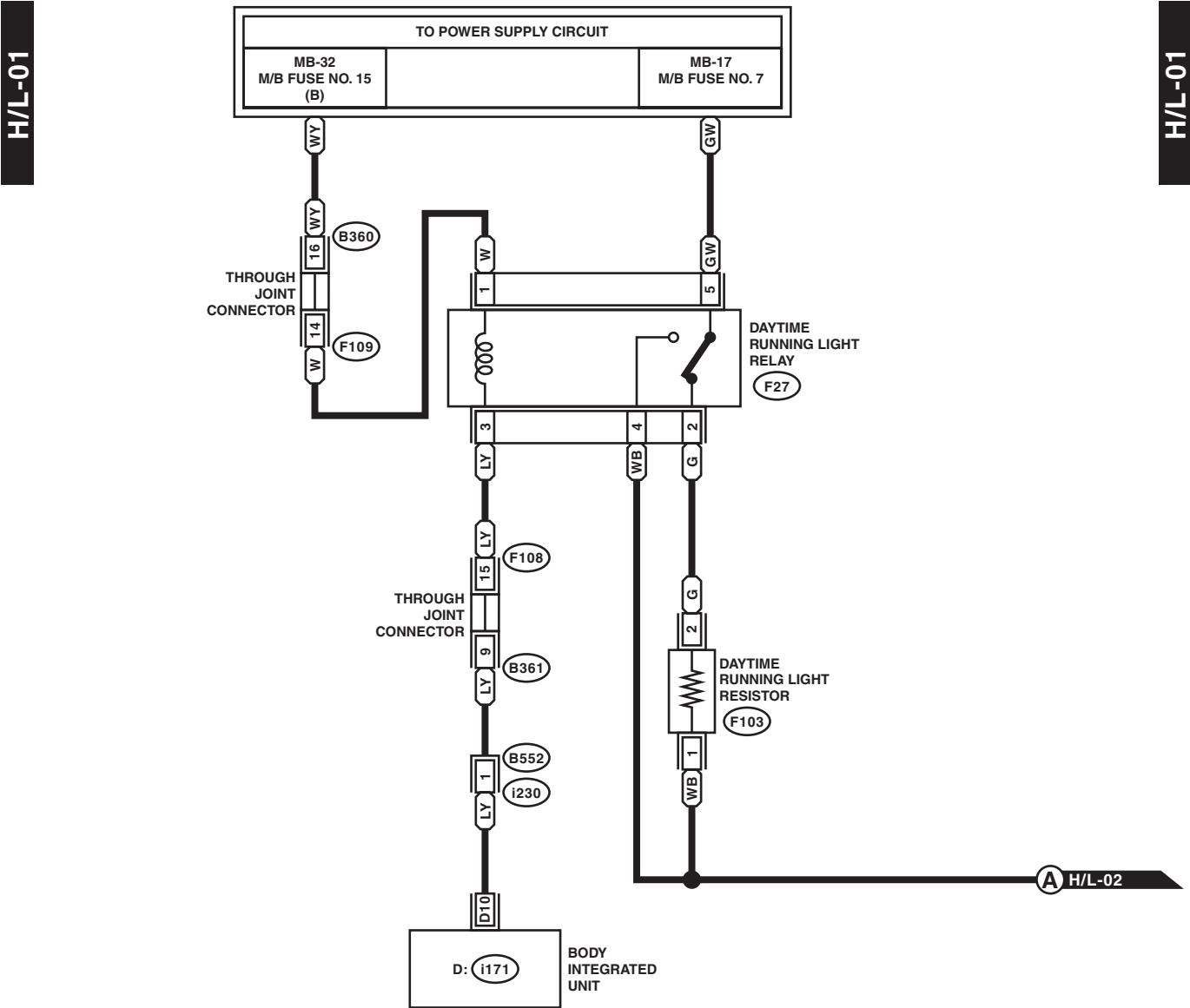
WI-37837

Headlight System

WIRING SYSTEM

24.Headlight System

A: WIRING DIAGRAM



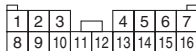
F103 (GRAY)



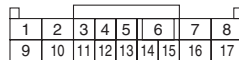
B361 (GRAY)



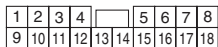
B360 (GRAY)



i230



F108 (GRAY)



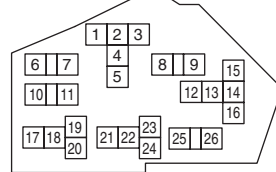
F109



D: i171



F27

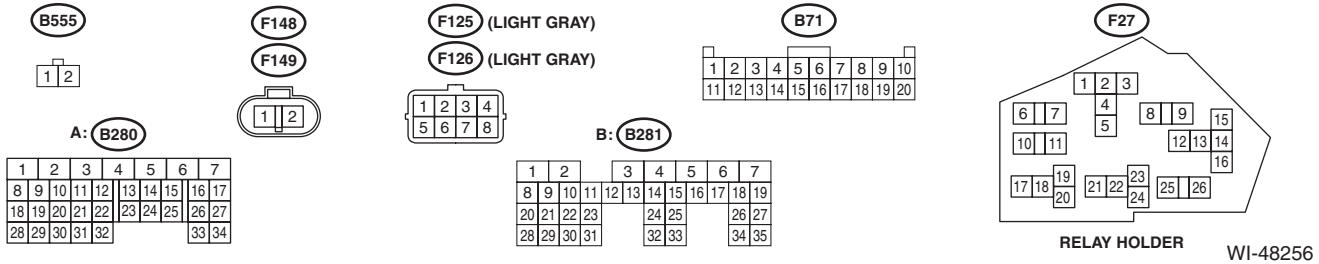
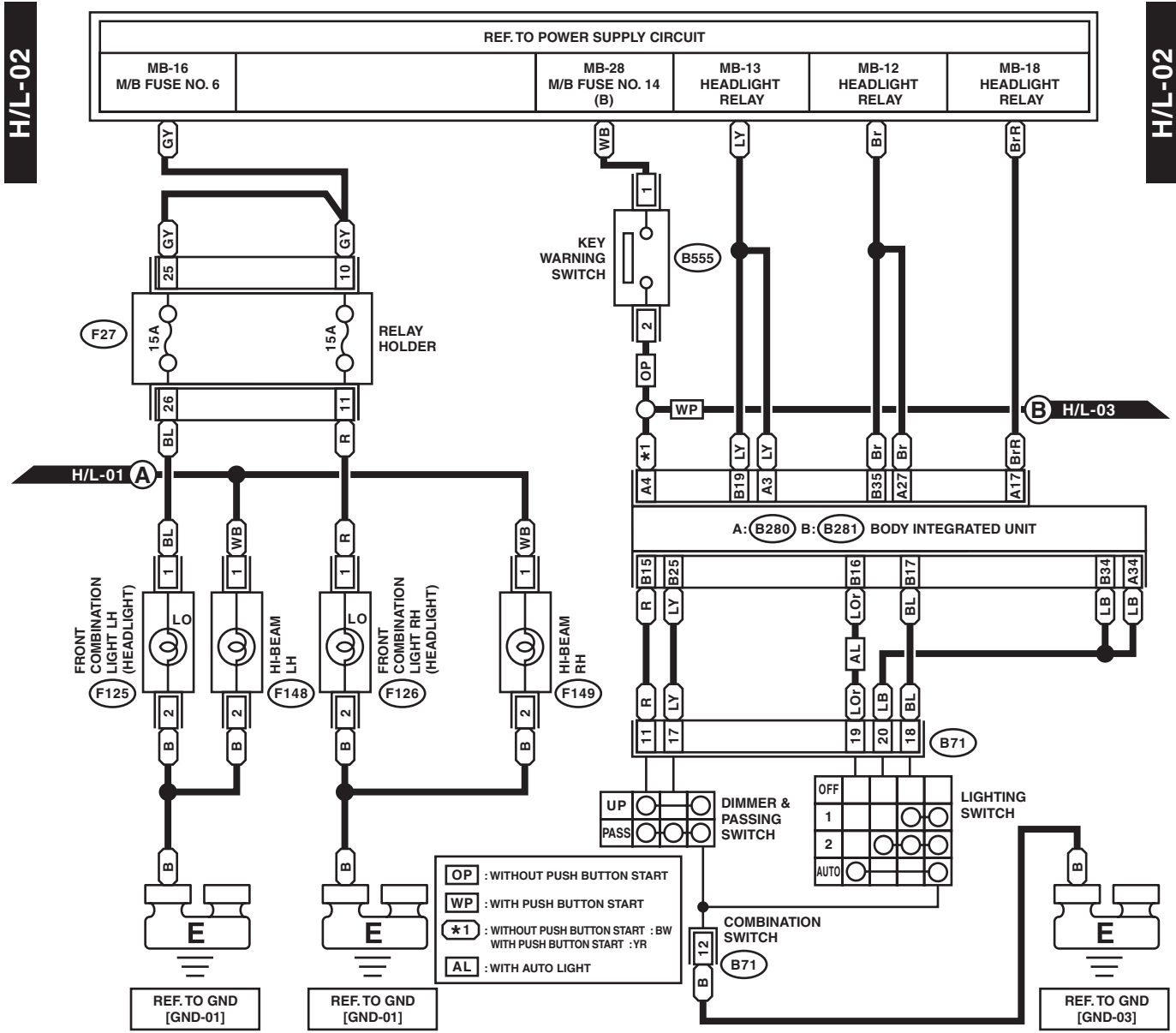


RELAY HOLDER

WI-37838

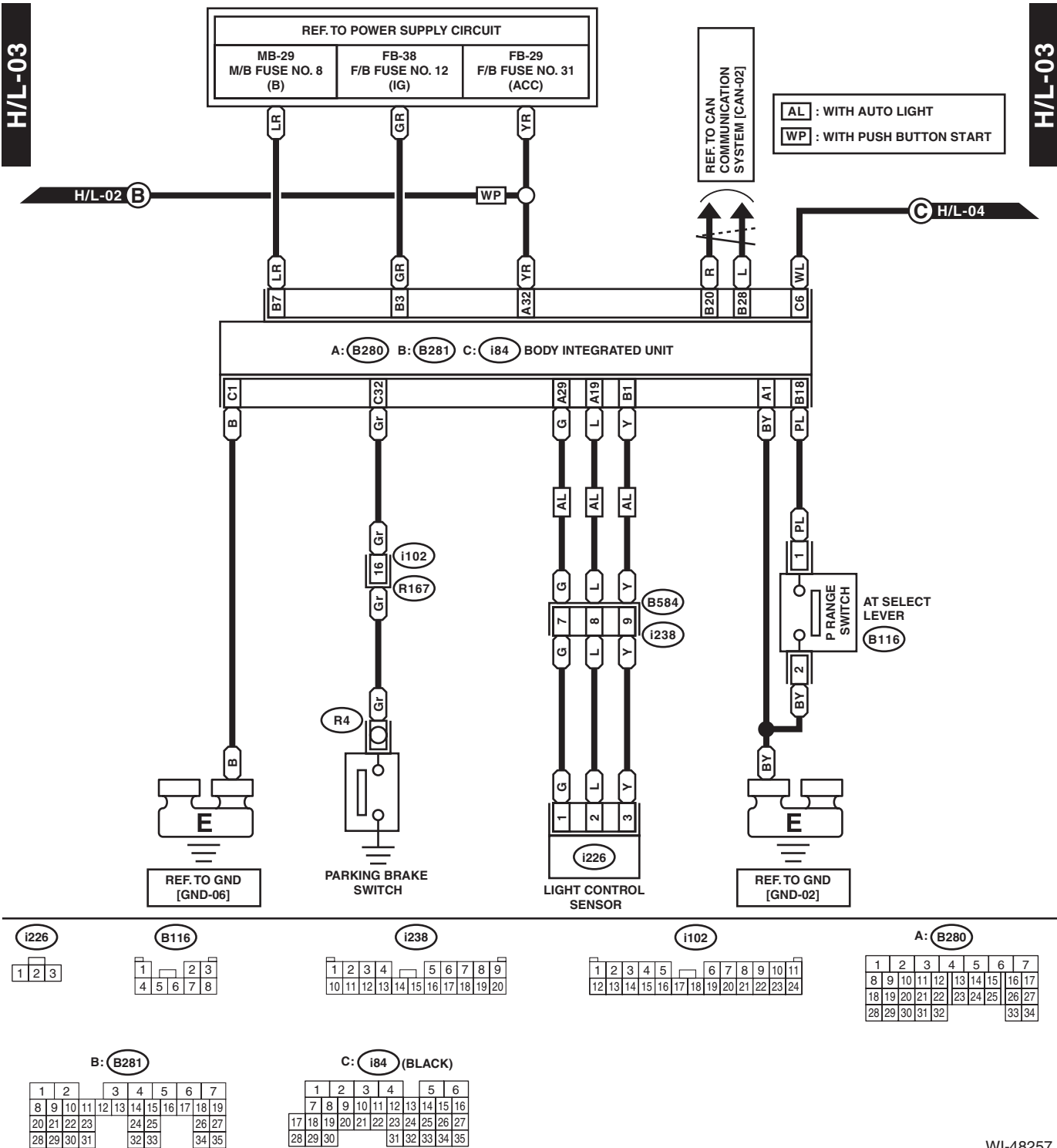
Headlight System

WIRING SYSTEM



Headlight System

WIRING SYSTEM

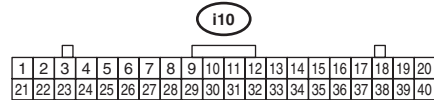
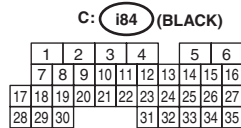
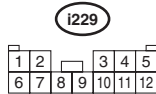
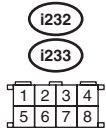
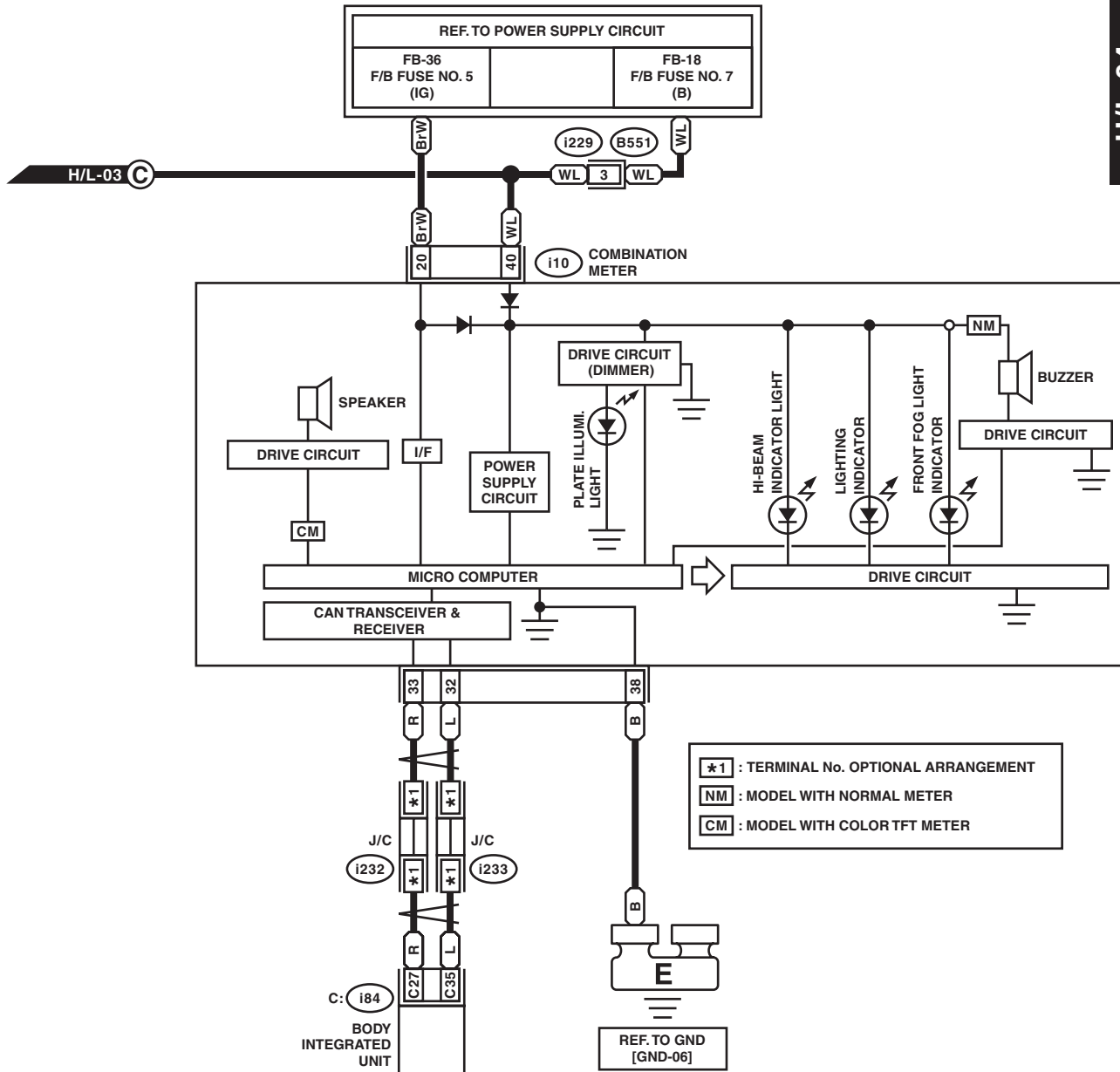


Headlight System

WIRING SYSTEM

H/L-04

H/L-04



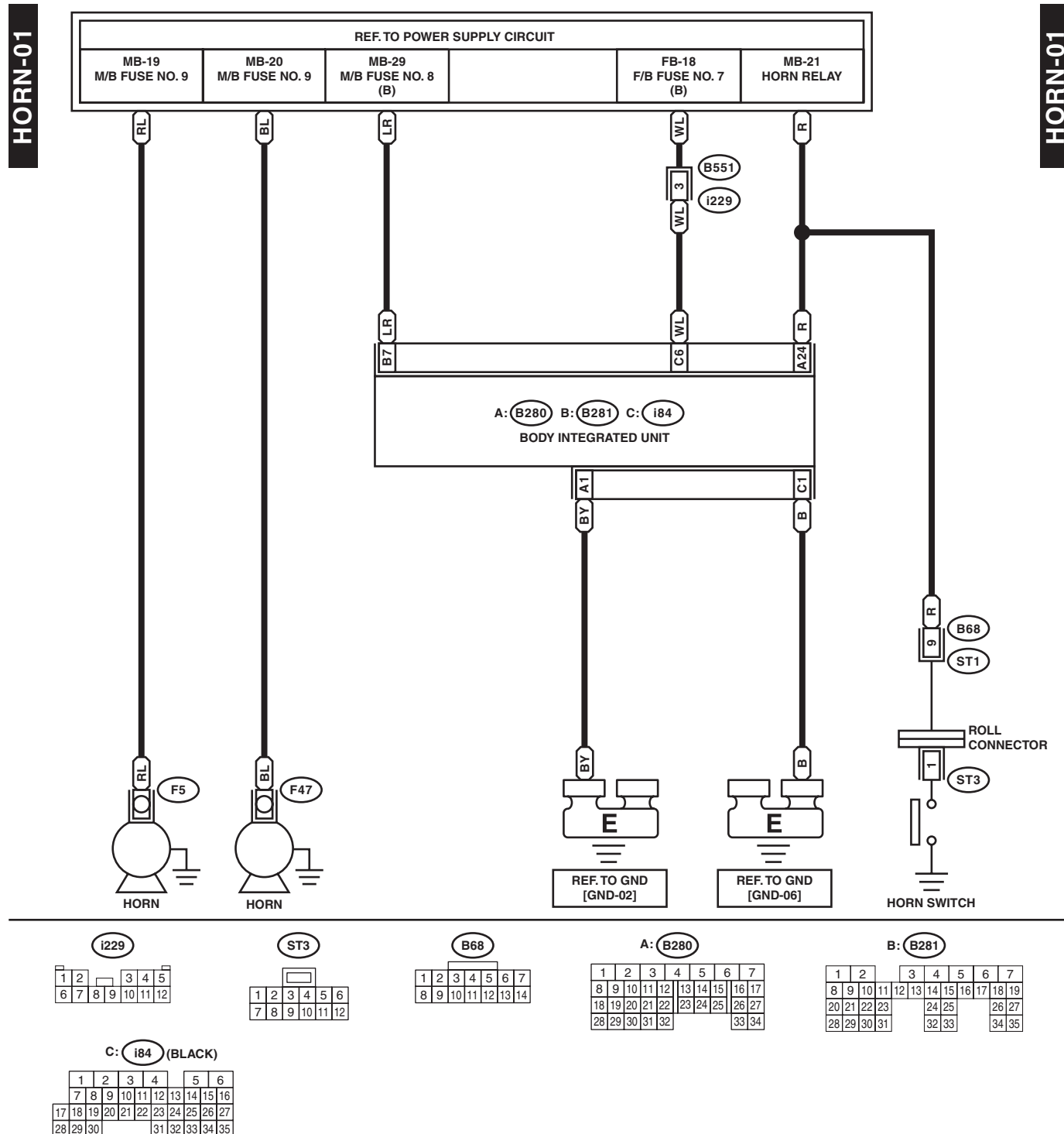
WI-48258

Horn System

WIRING SYSTEM

25.Horn System

A: WIRING DIAGRAM

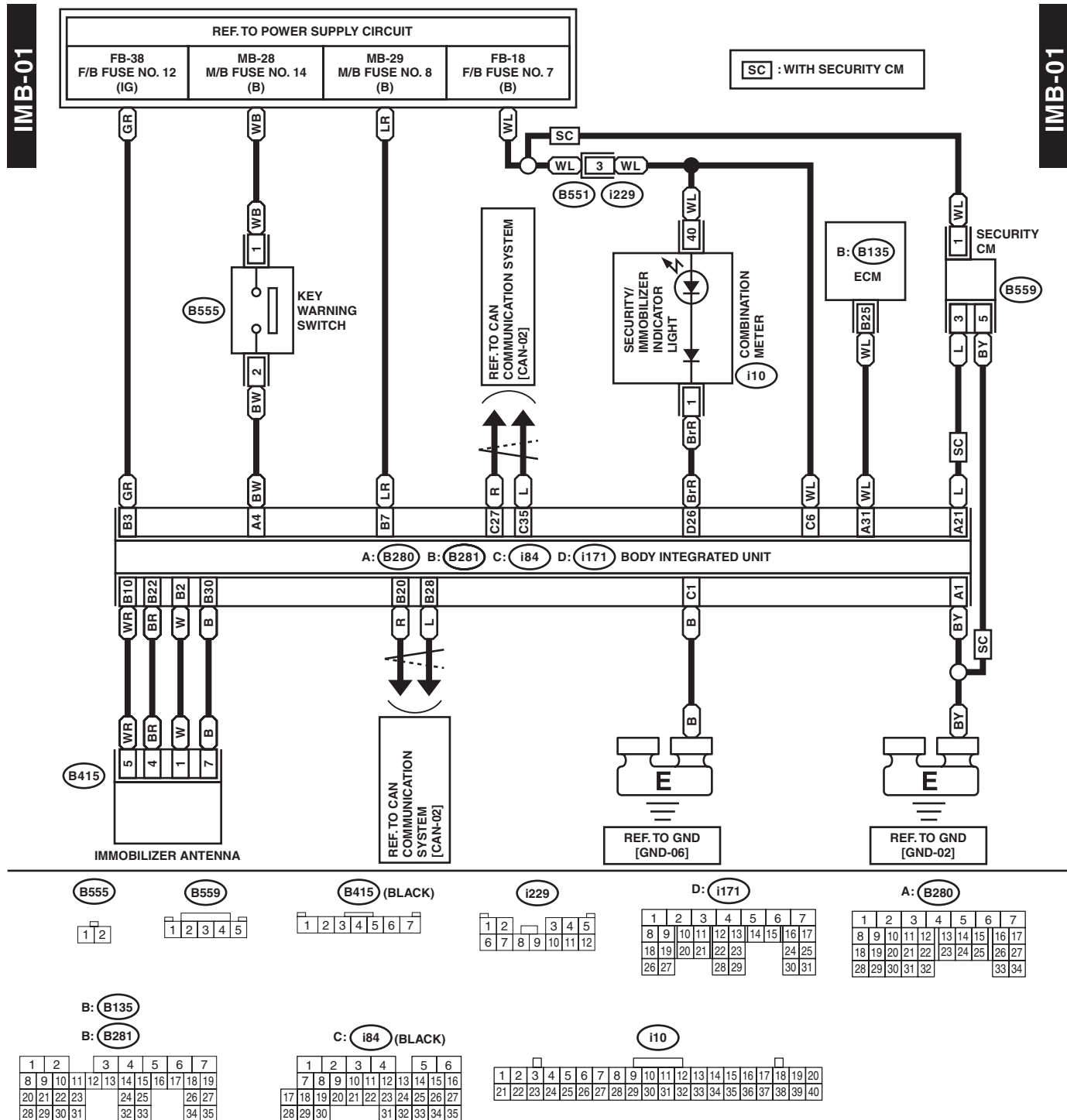


WI-48259

26. Immobilizer System

A: WIRING DIAGRAM

1. WITHOUT PUSH BUTTON START

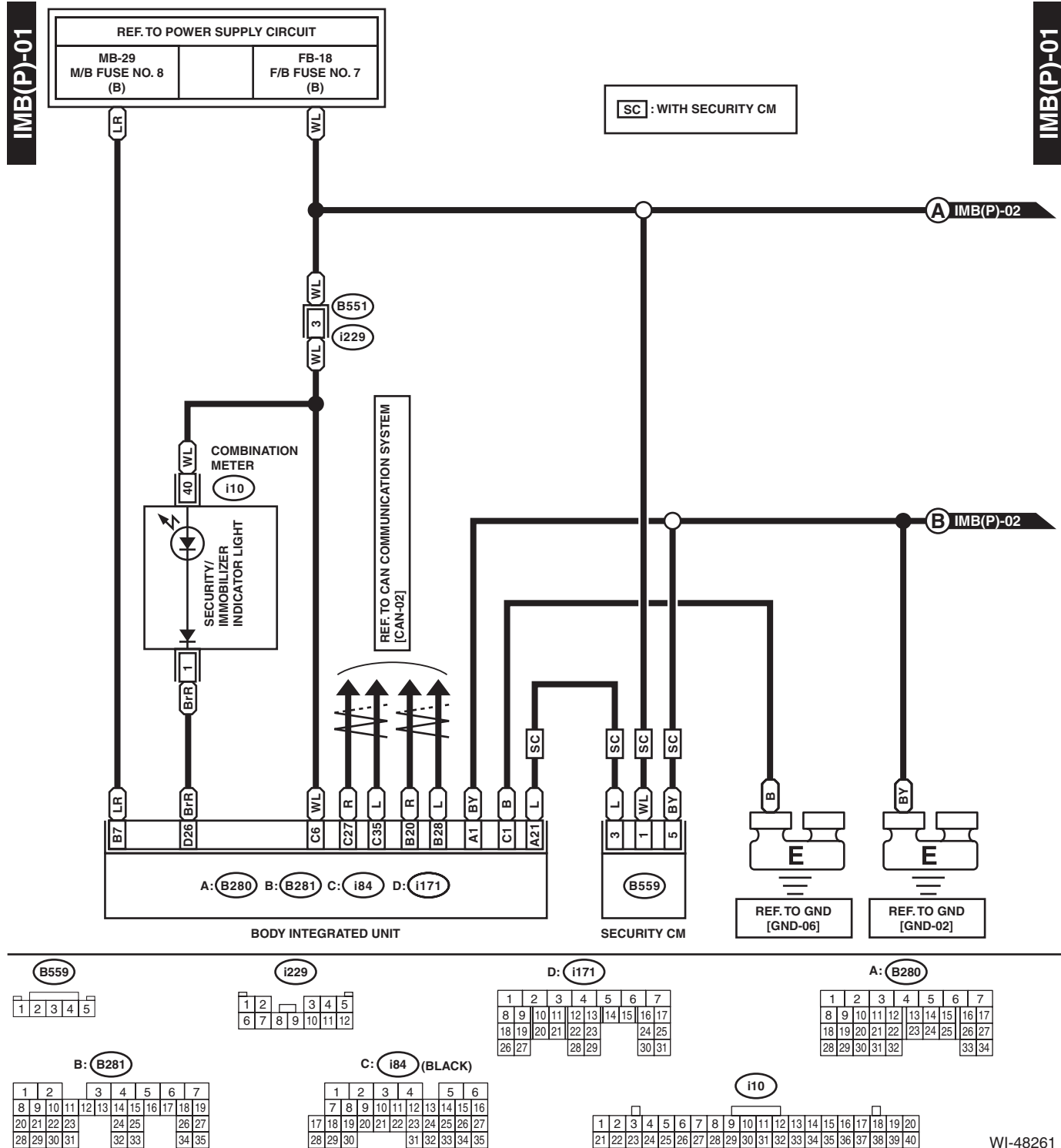


WI-48260

Immobilizer System

WIRING SYSTEM

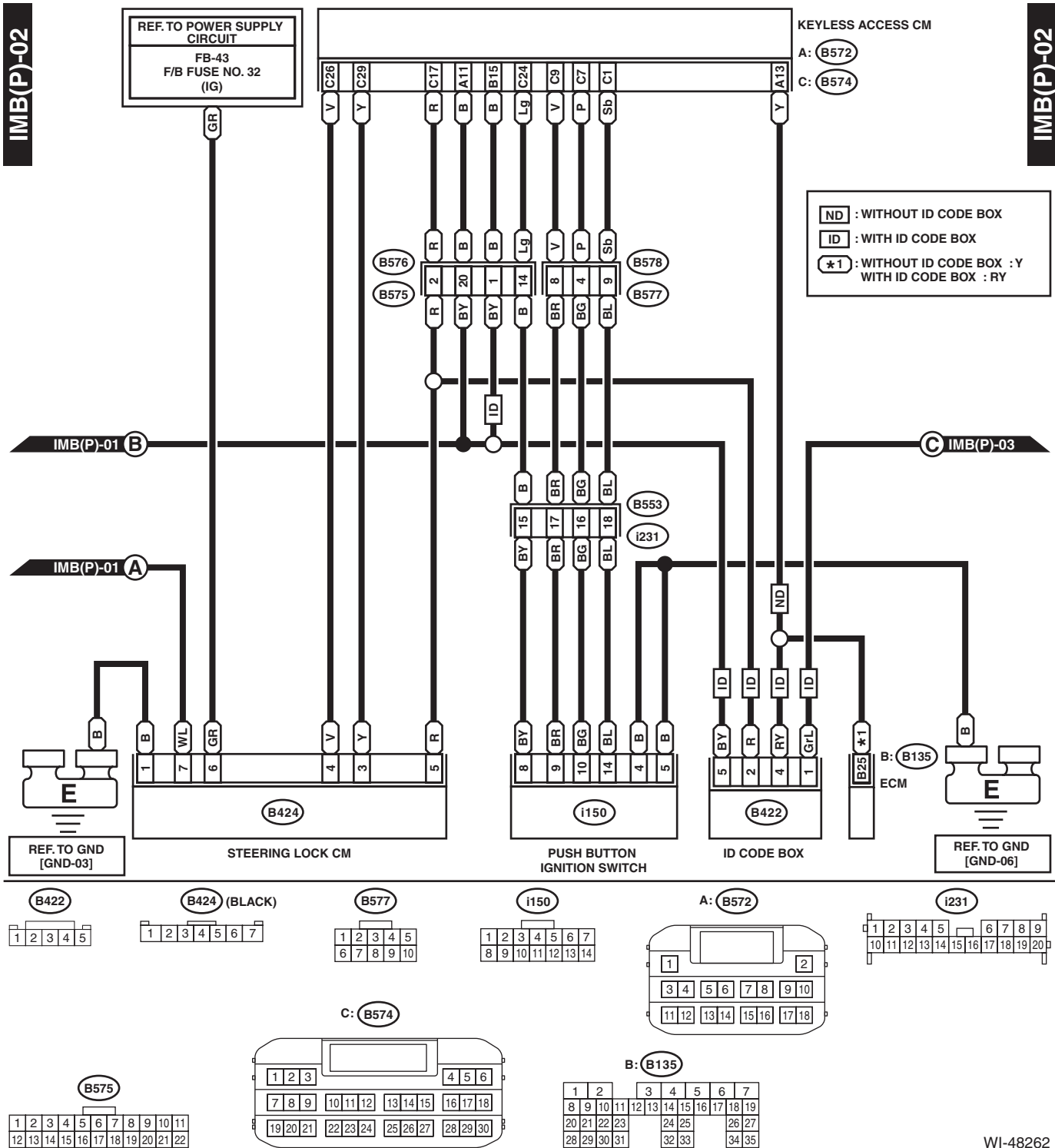
2. WITH PUSH BUTTON START



WI-48261

Immobilizer System

WIRING SYSTEM



WI-48262

WIRING SYSTEM

IMB(P)-03

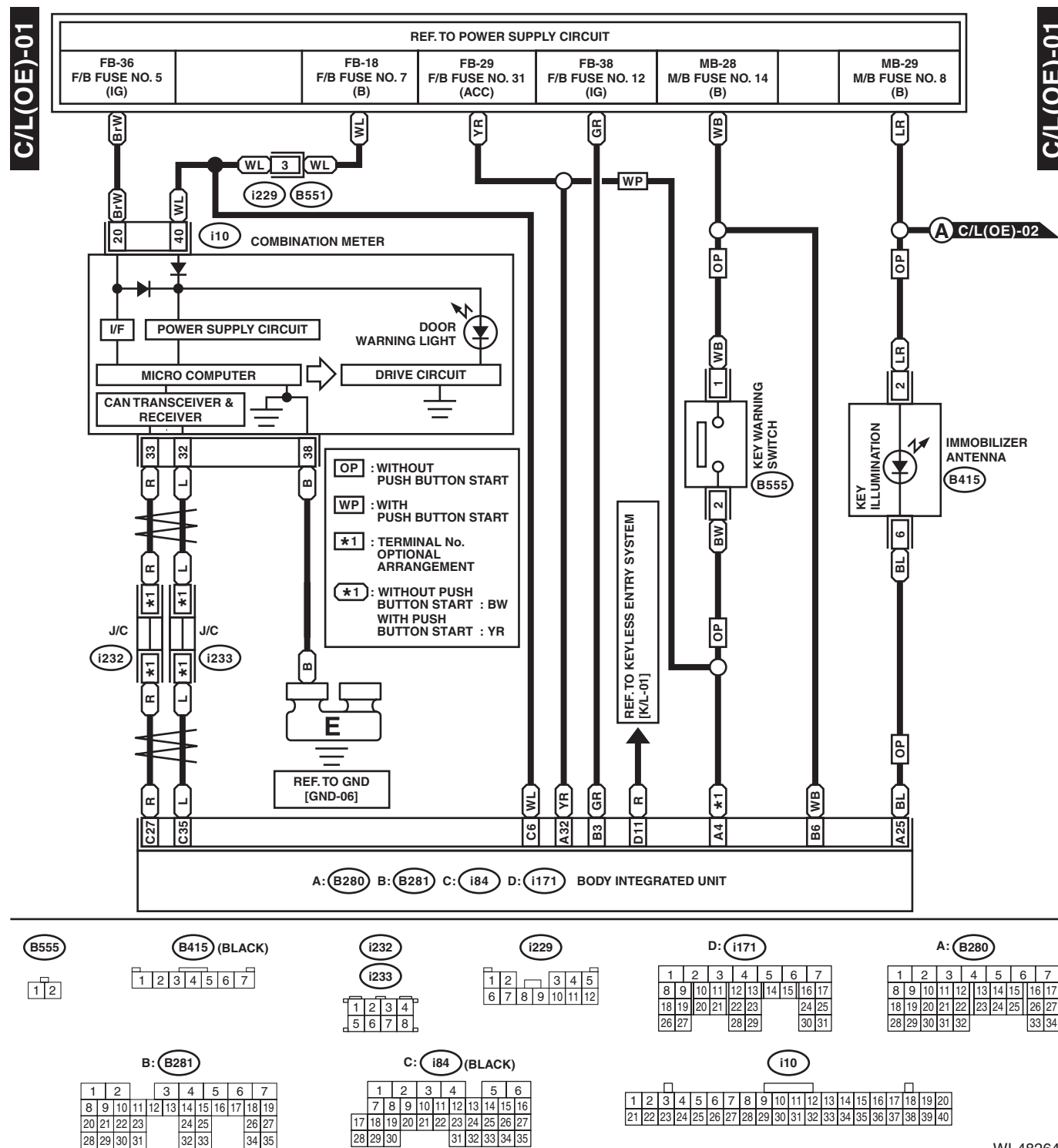
IMB(P)-03



27. Interior Light System

A: WIRING DIAGRAM

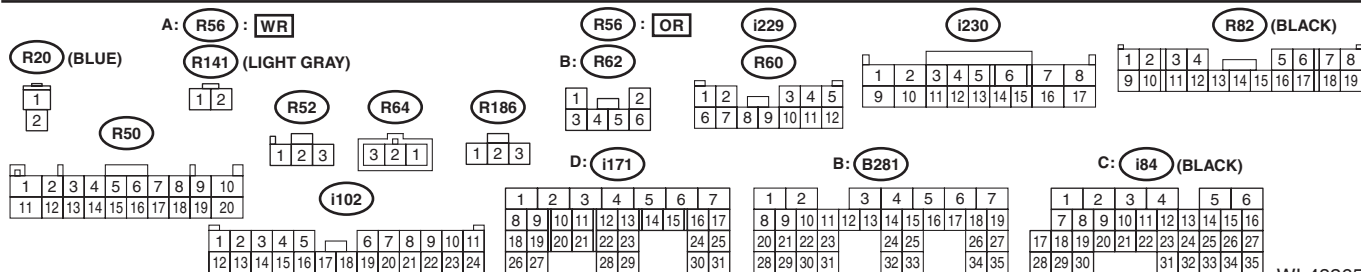
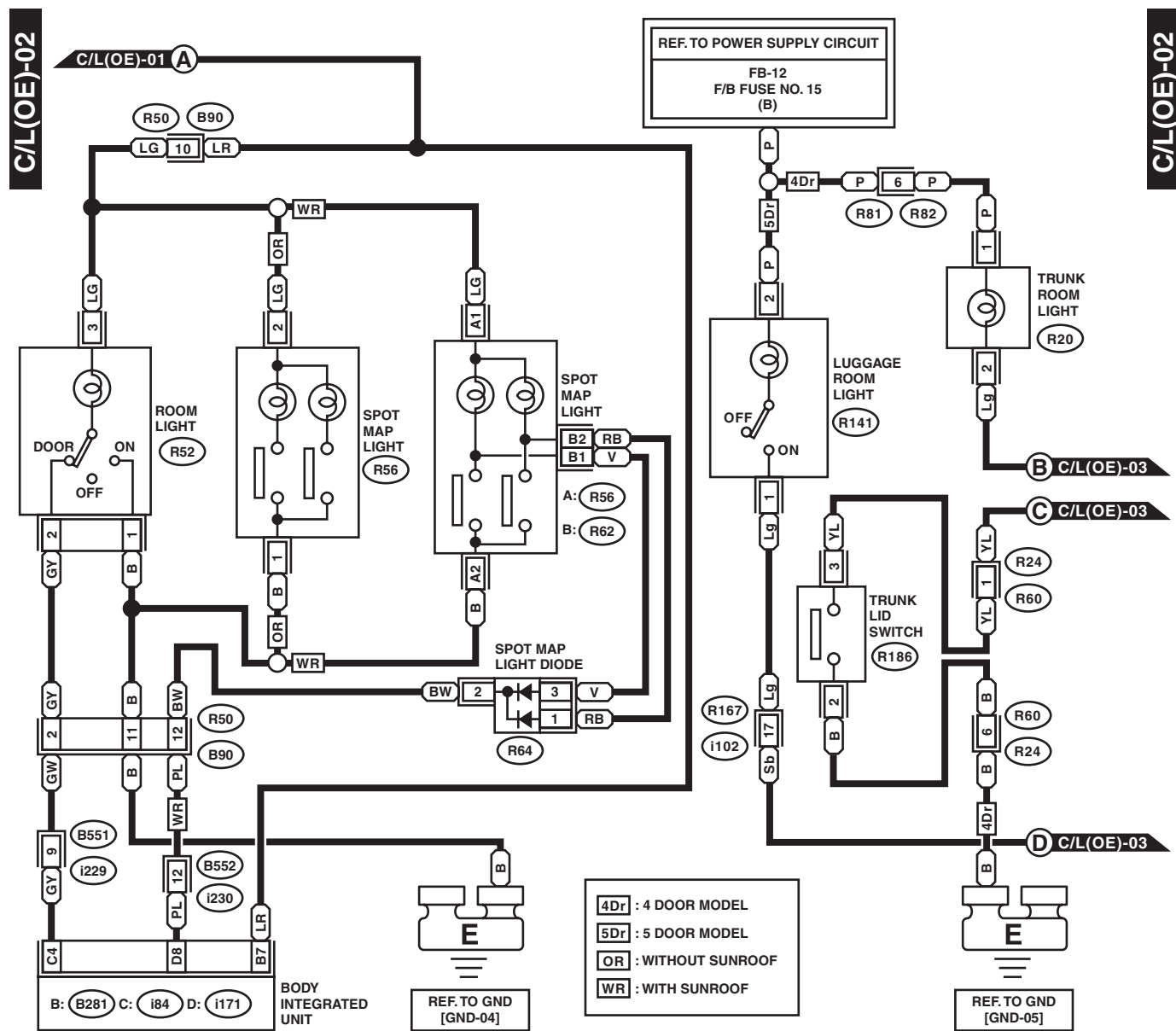
1. WITHOUT EyeSight



WI-48264

Interior Light System

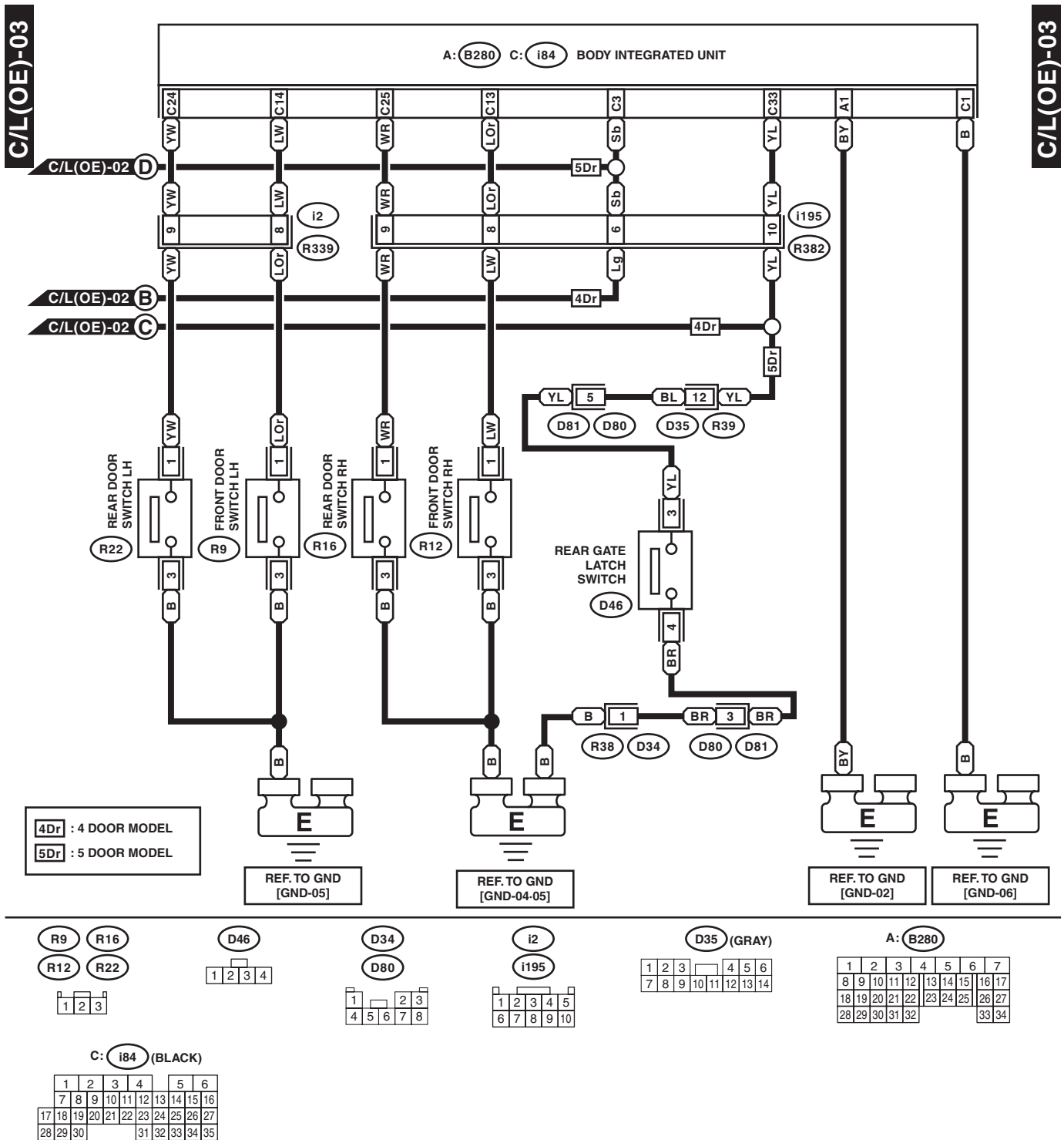
WIRING SYSTEM



WI-48265

Interior Light System

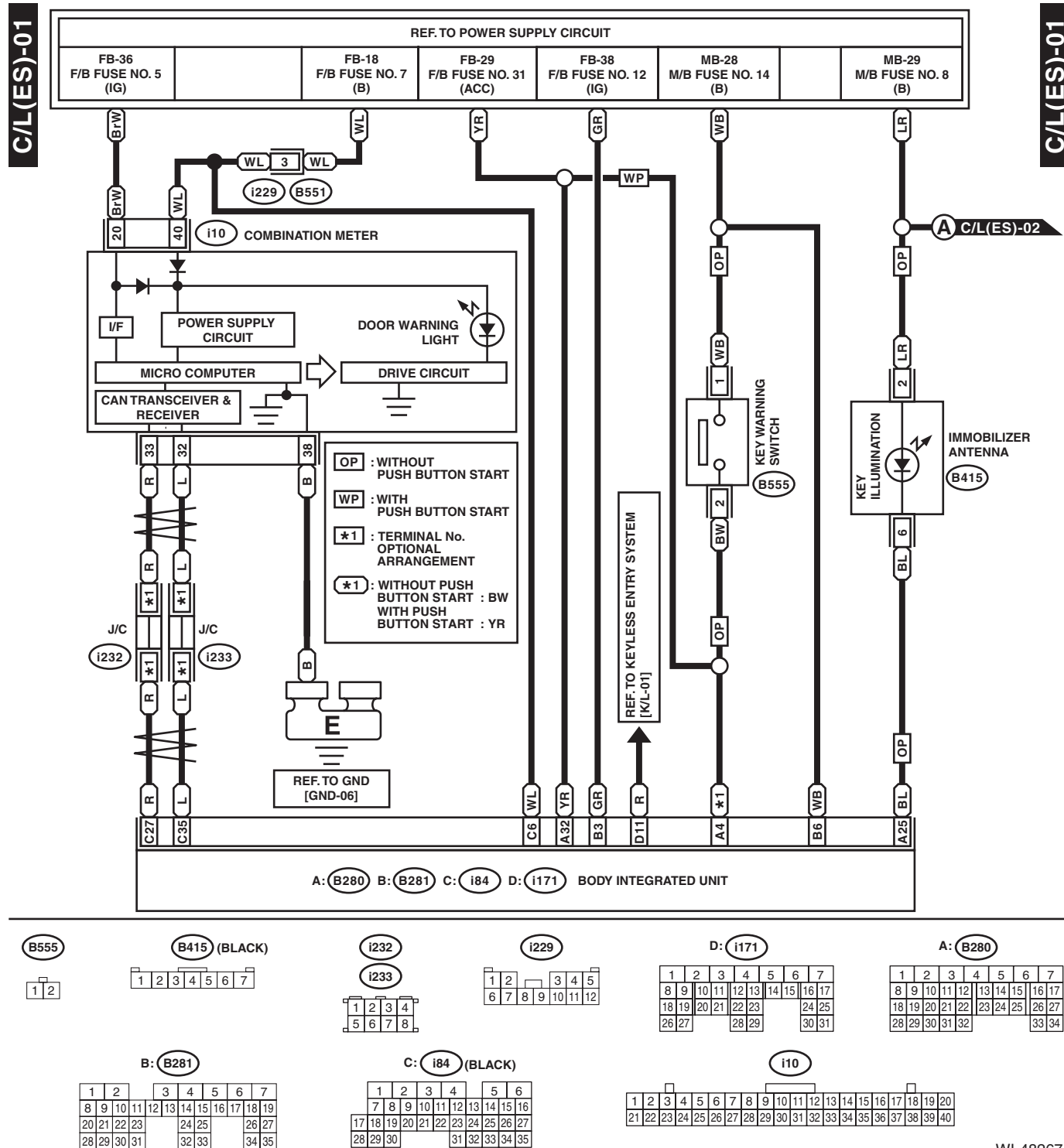
WIRING SYSTEM



WI-48266

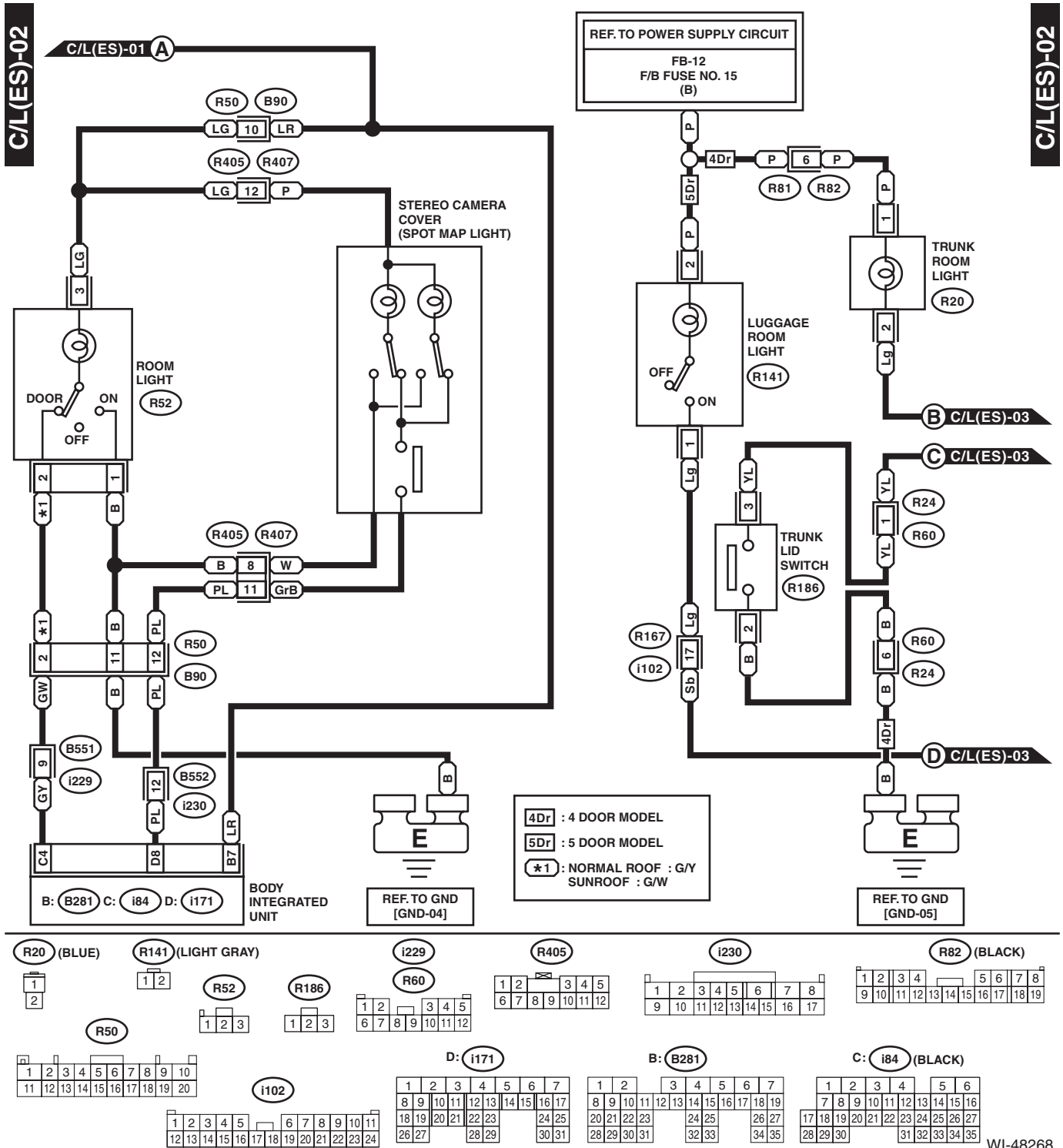
WIRING SYSTEM

2. WITH EyeSight



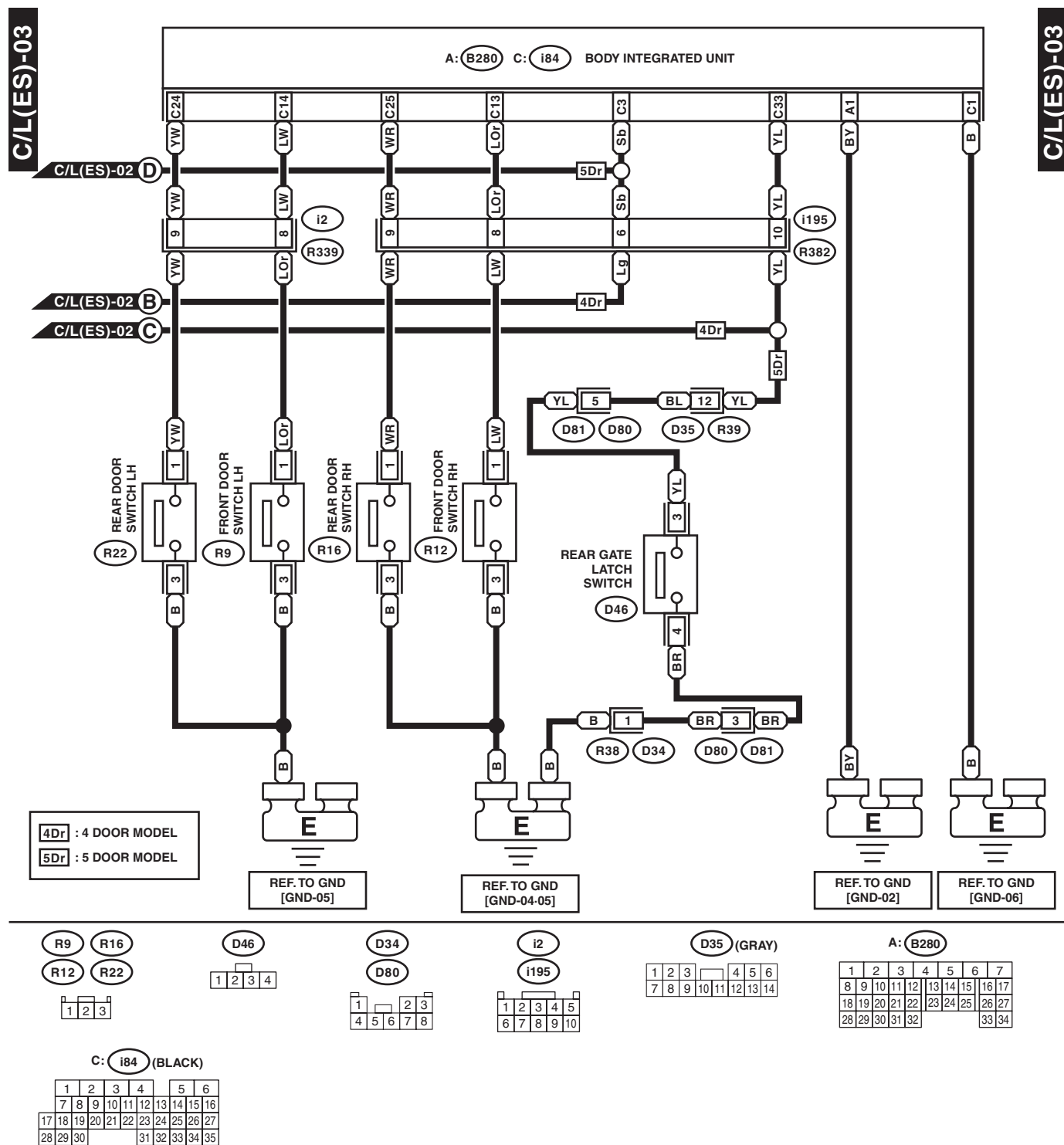
Interior Light System

WIRING SYSTEM



Interior Light System

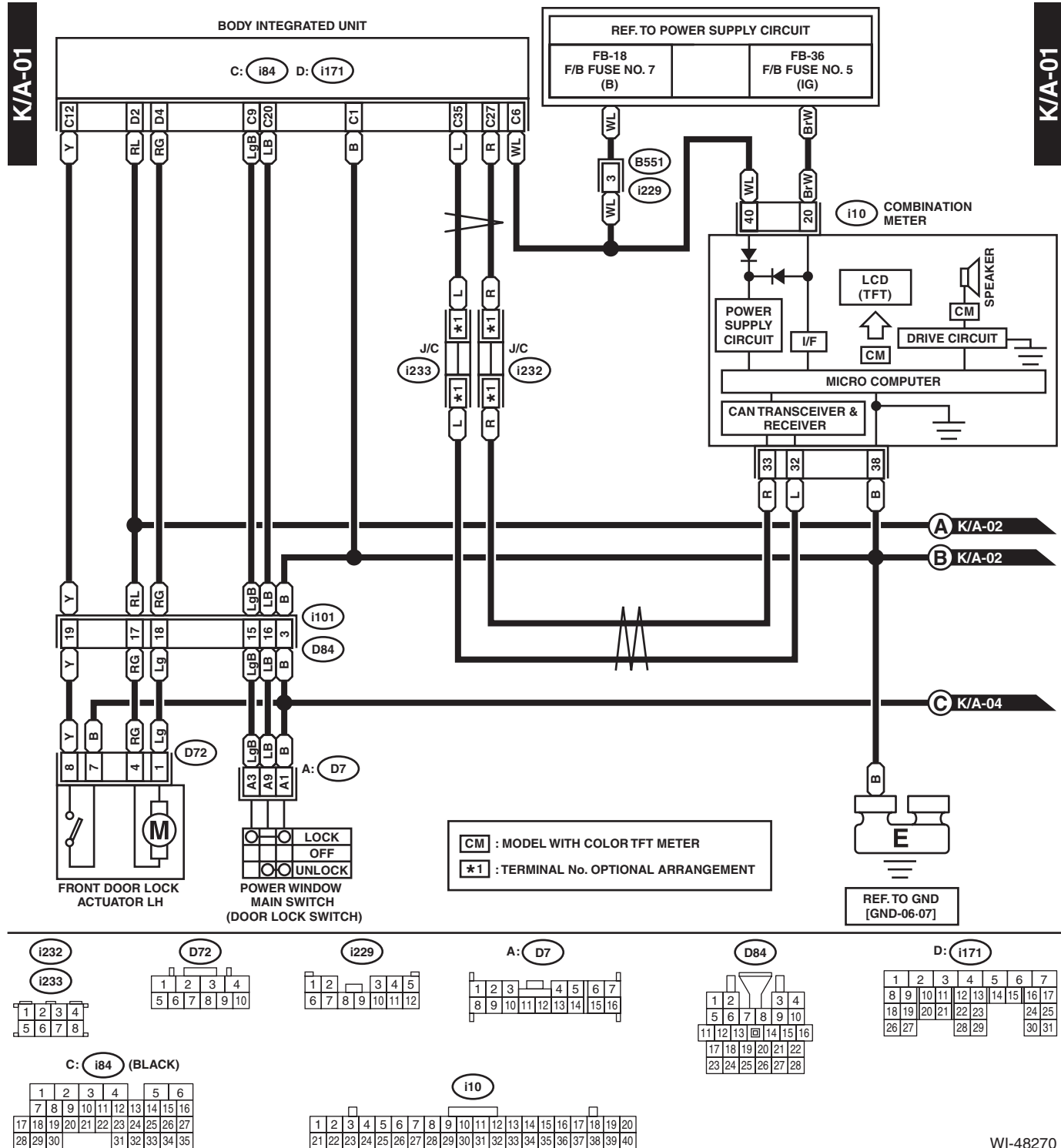
WIRING SYSTEM



WI-48269

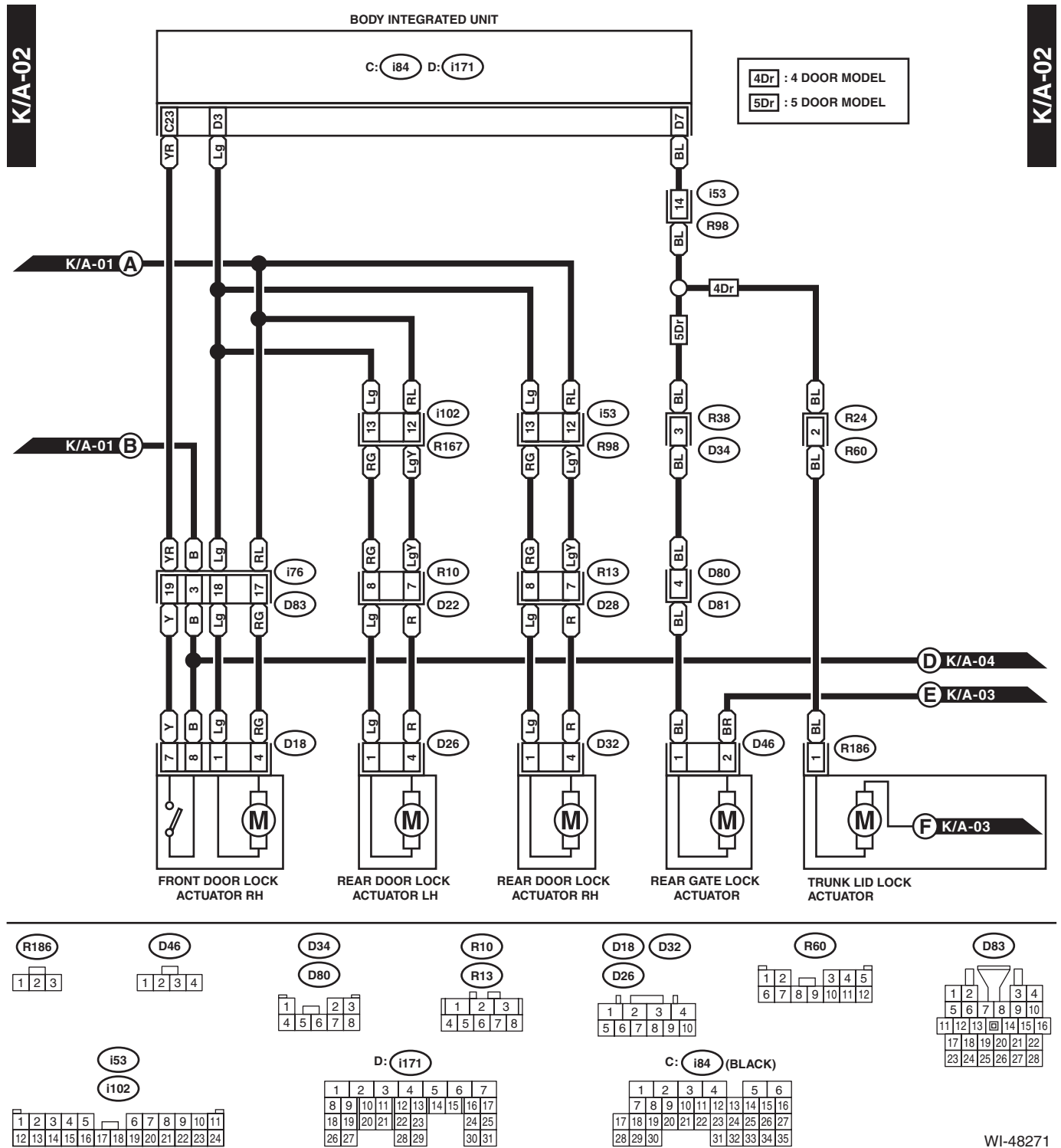
28. Keyless Access System

A: WIRING DIAGRAM

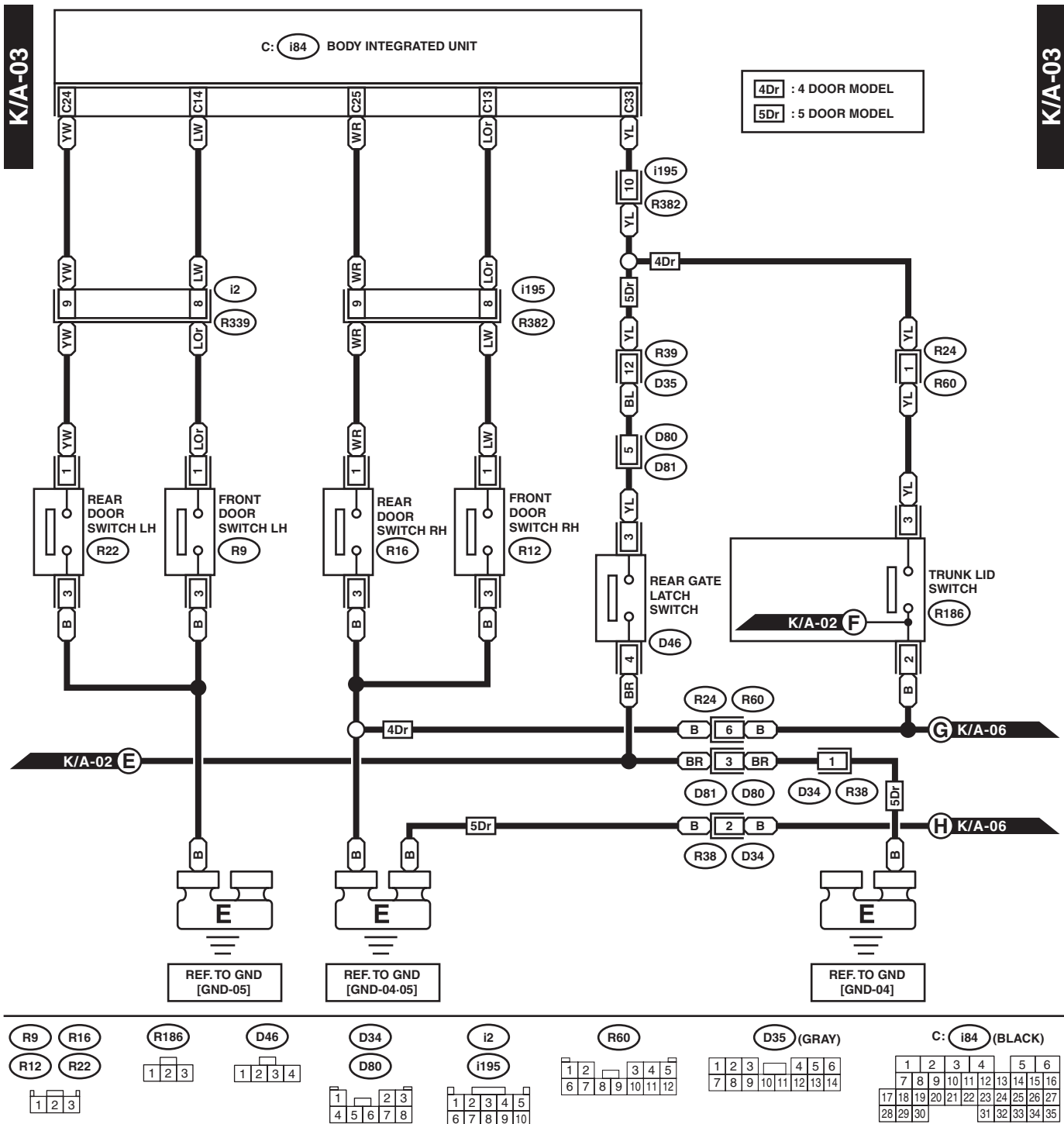


Keyless Access System

WIRING SYSTEM



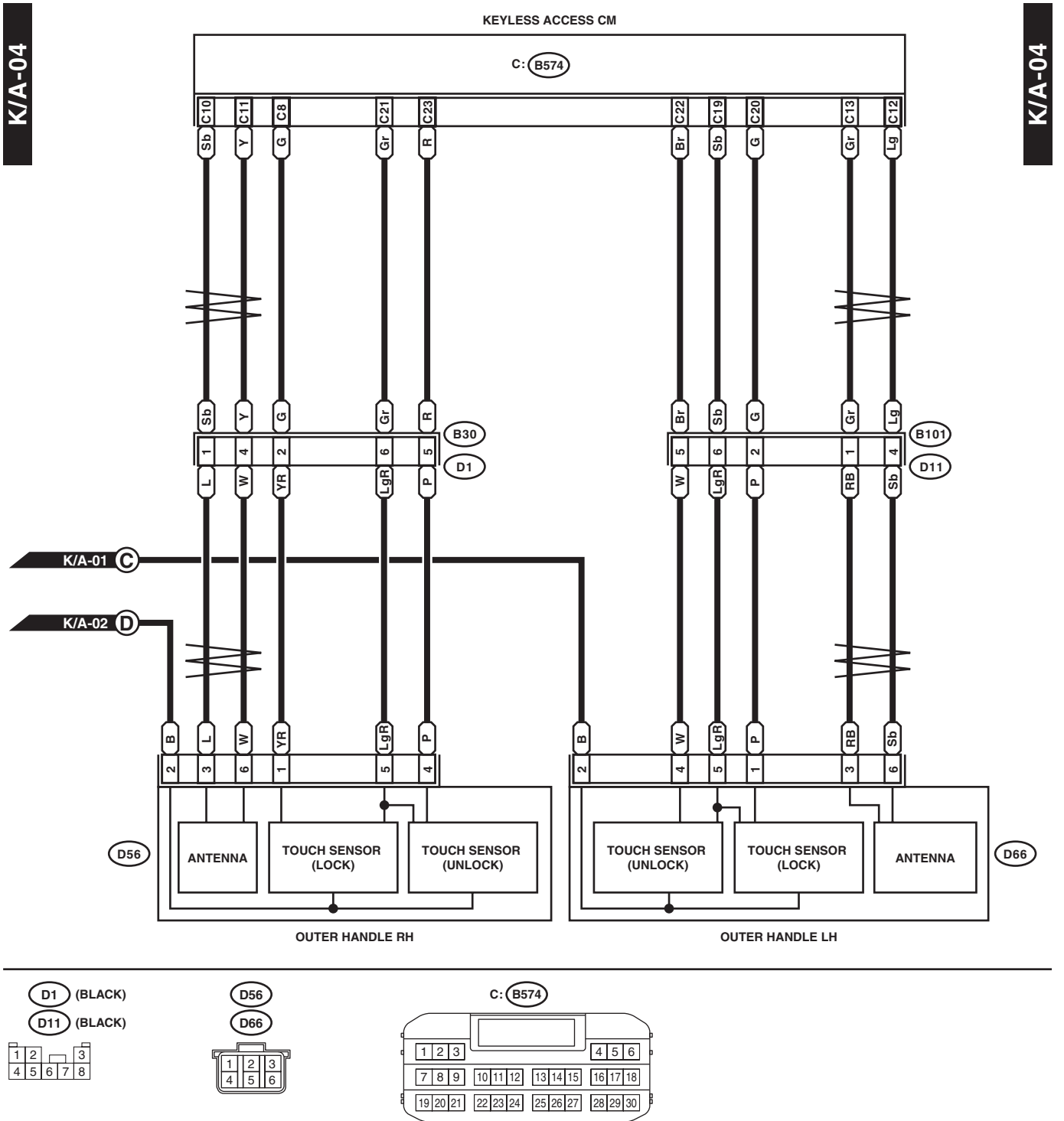
WI-48271



WI-48272

Keyless Access System

WIRING SYSTEM



WI-48273

Keyless Access System

WIRING SYSTEM

K/A-05

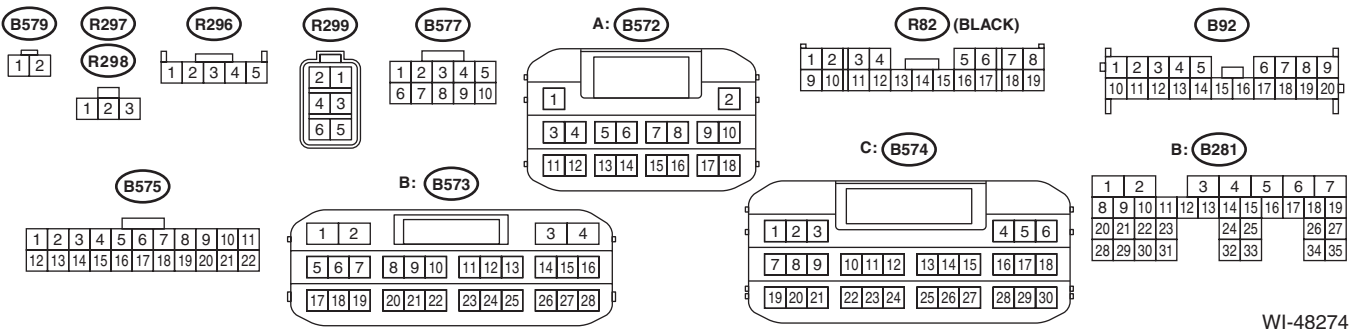
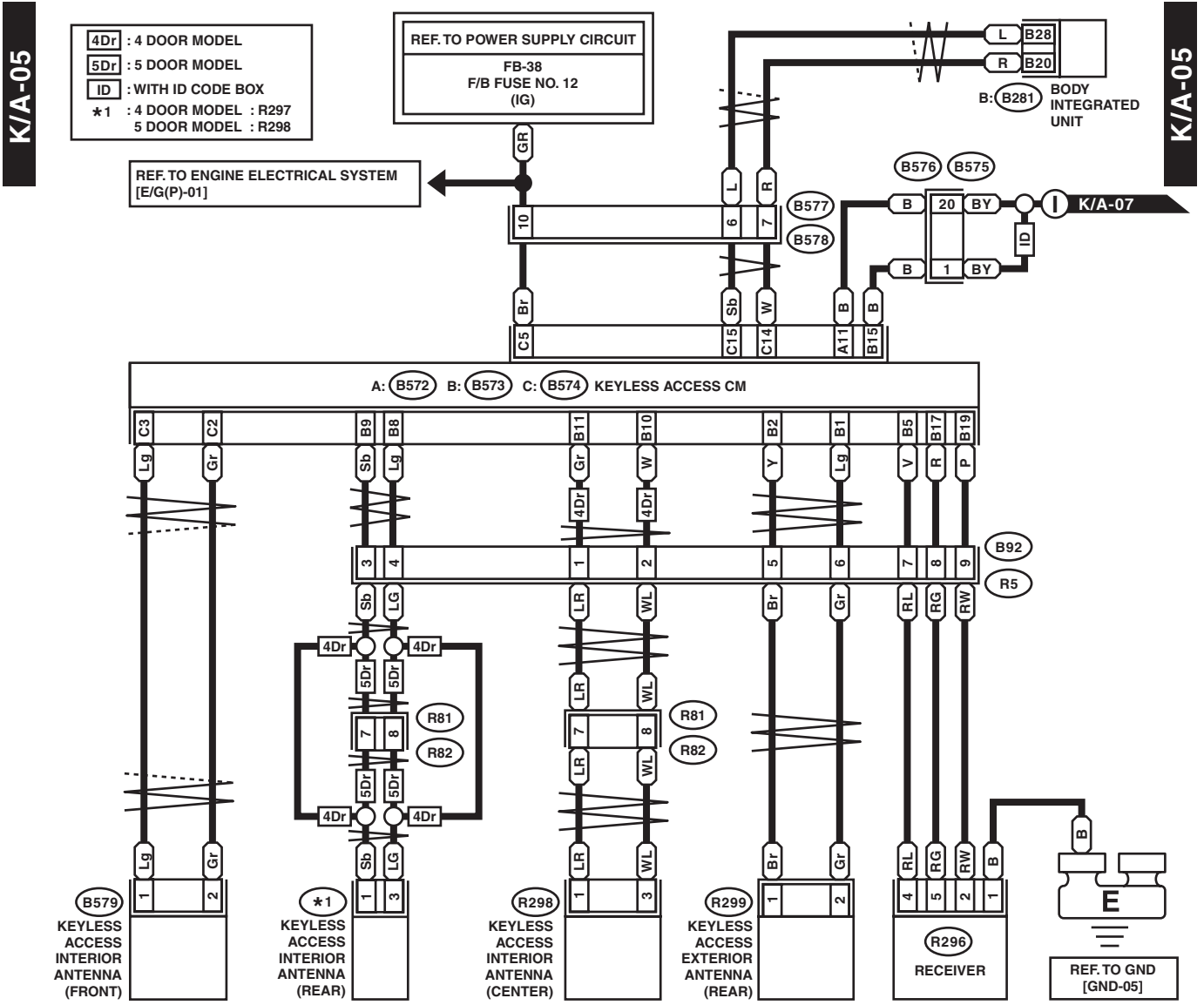
4Dr : 4 DOOR MODEL
5Dr : 5 DOOR MODEL
ID : WITH ID CODE BOX
★1 : 4 DOOR MODEL : R297
5 DOOR MODEL : R298

REF. TO POWER SUPPLY CIRCUIT
FB-38
F/B FUSE NO. 12
(IG)

REF. TO ENGINE ELECTRICAL SYSTEM
[E/G(P)-01]

B: (B281) BODY INTEGRATED UNIT

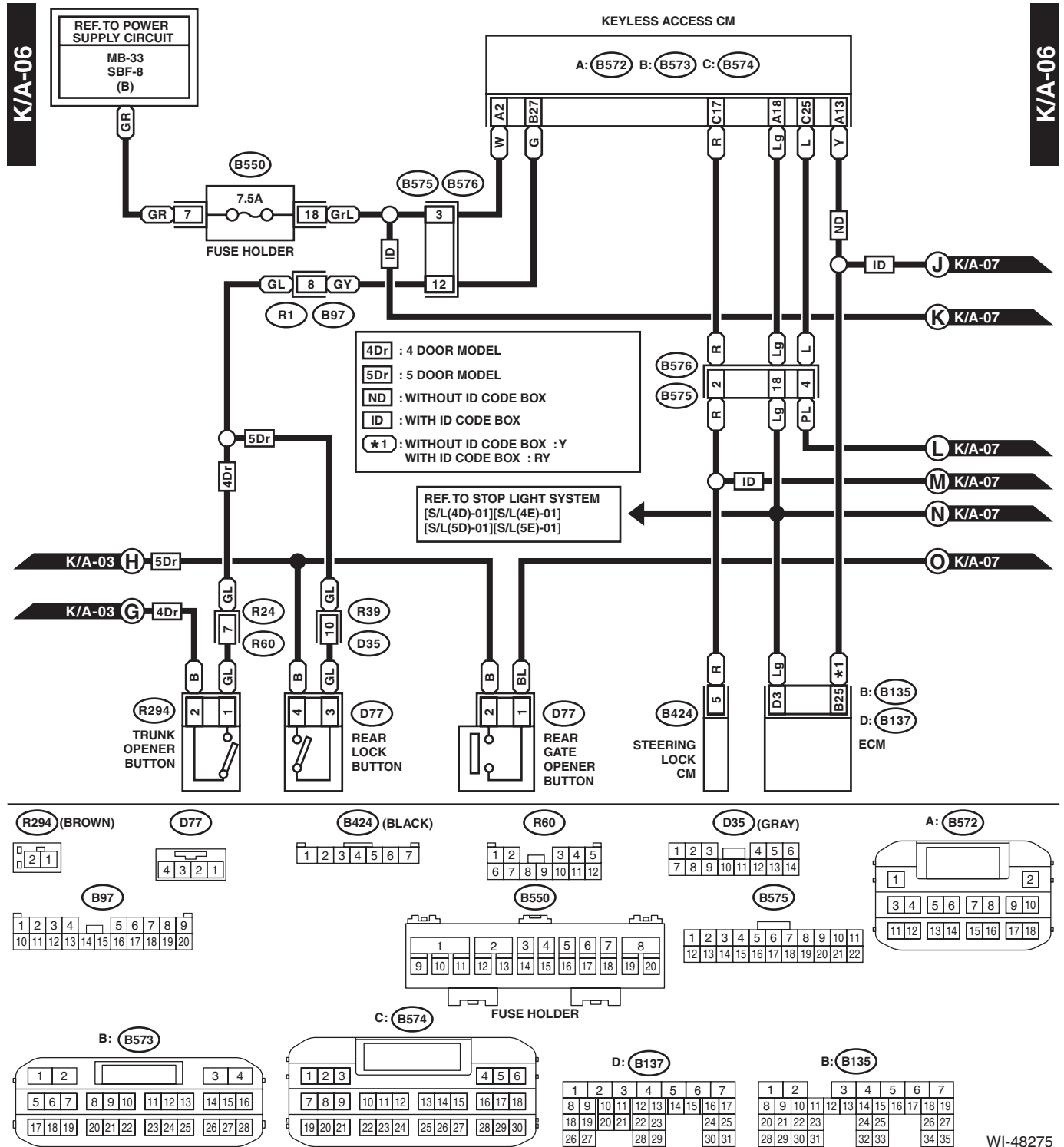
K/A-05



WI-48274

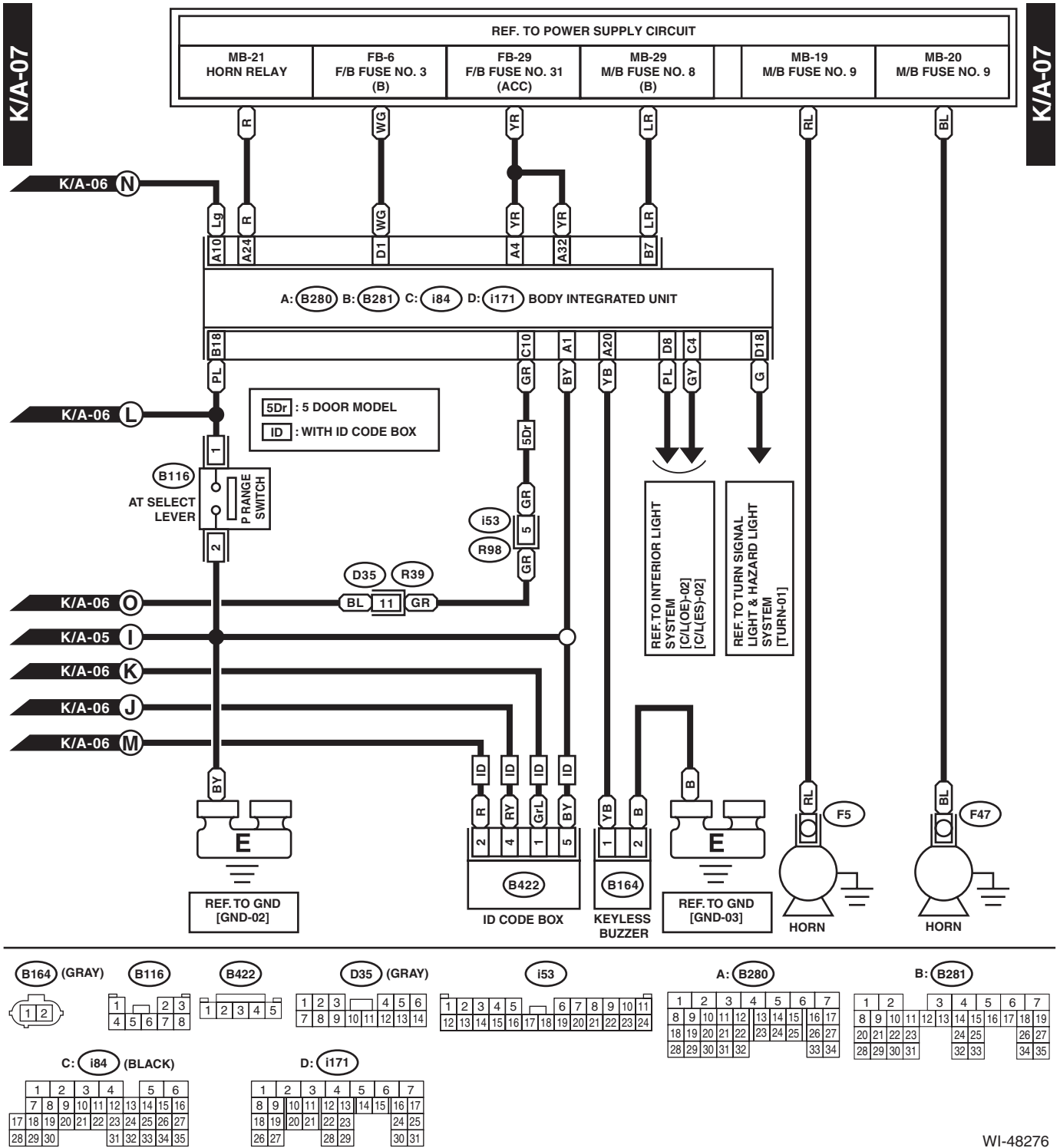
Keyless Access System

WIRING SYSTEM



Keyless Access System

WIRING SYSTEM

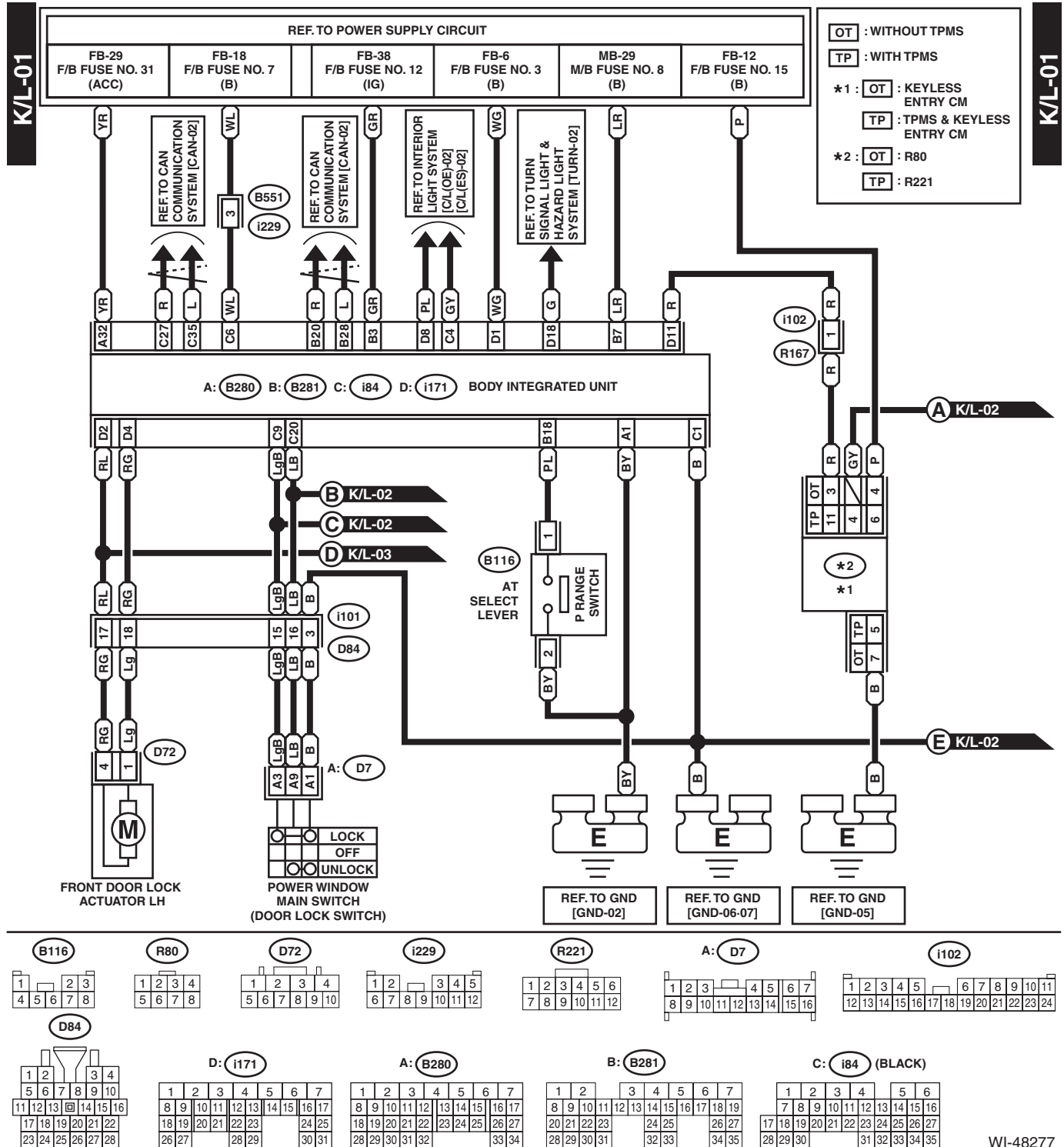


WIRING SYSTEM

29.Keyless Entry System

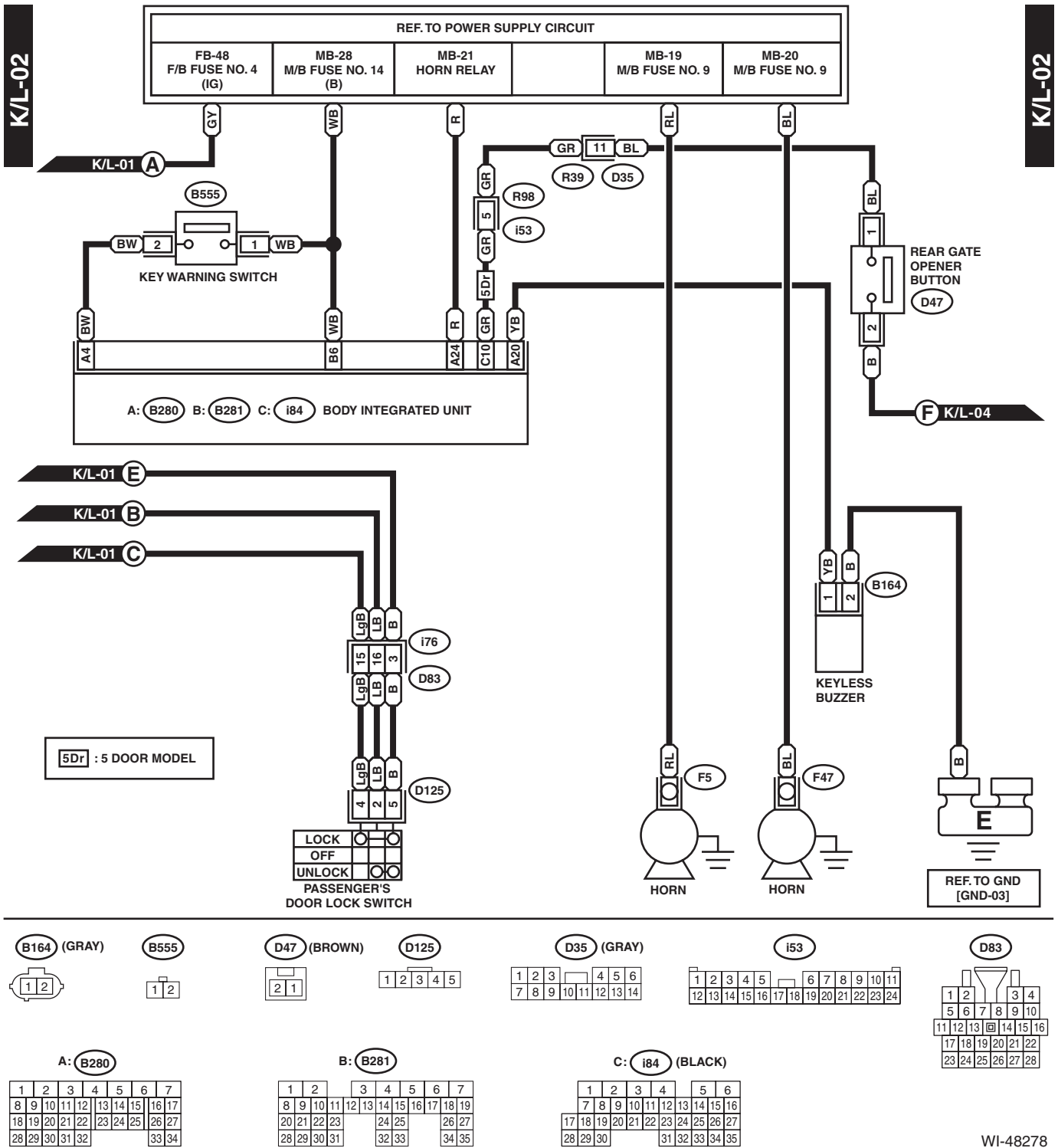
A: WIRING DIAGRAM

RE



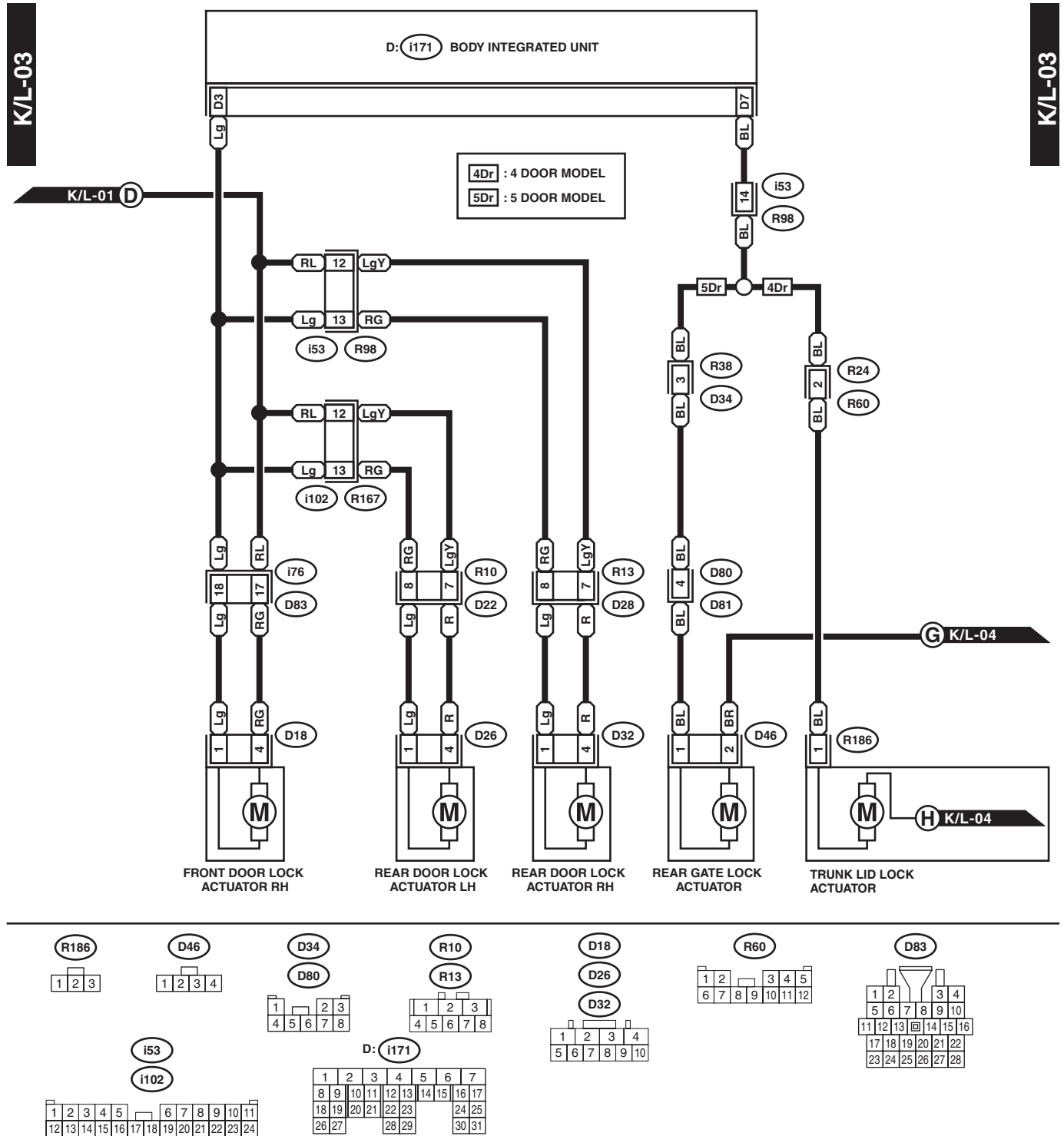
Keyless Entry System

WIRING SYSTEM



Keyless Entry System

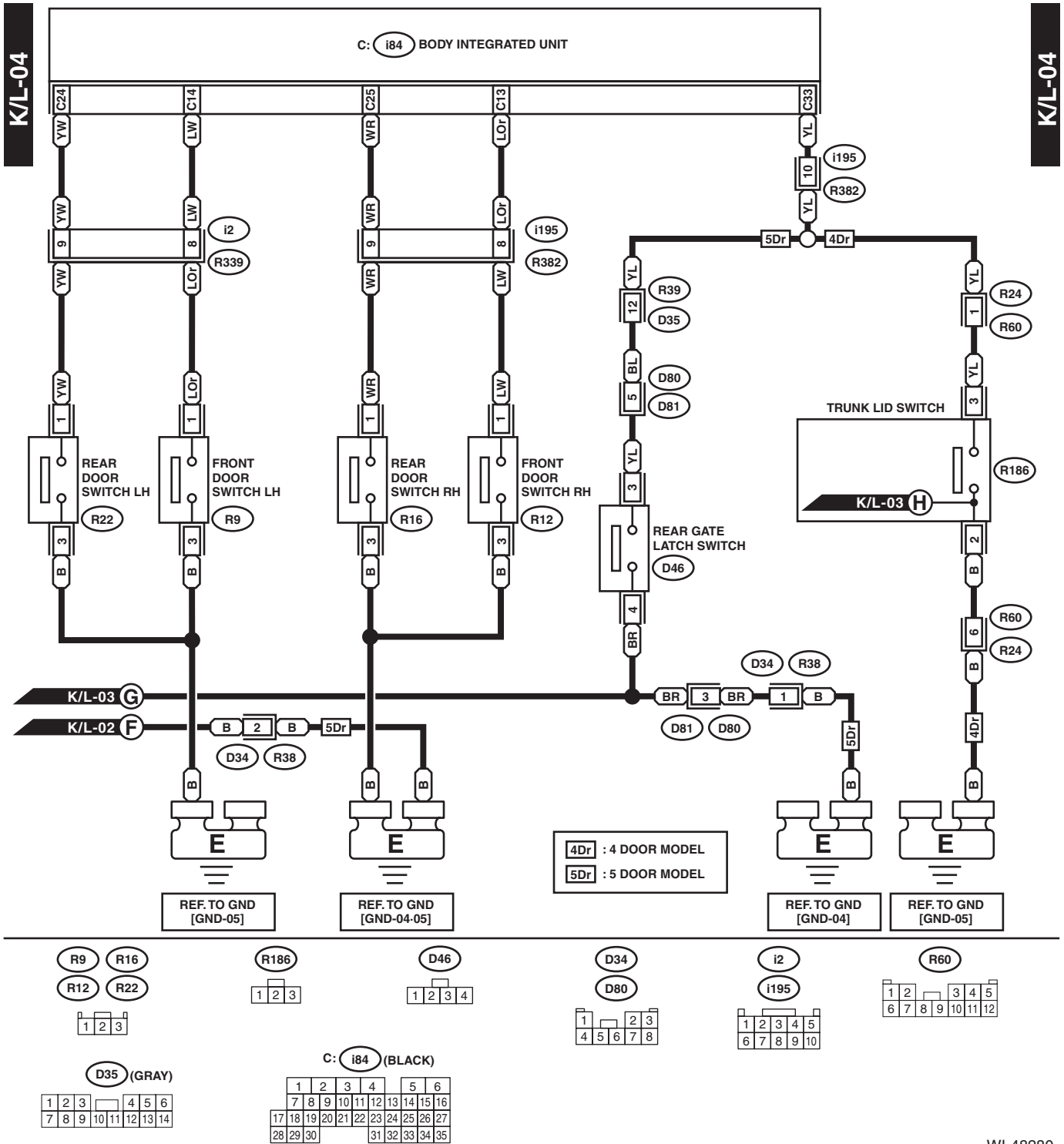
WIRING SYSTEM



WI-48279

Keyless Entry System

WIRING SYSTEM



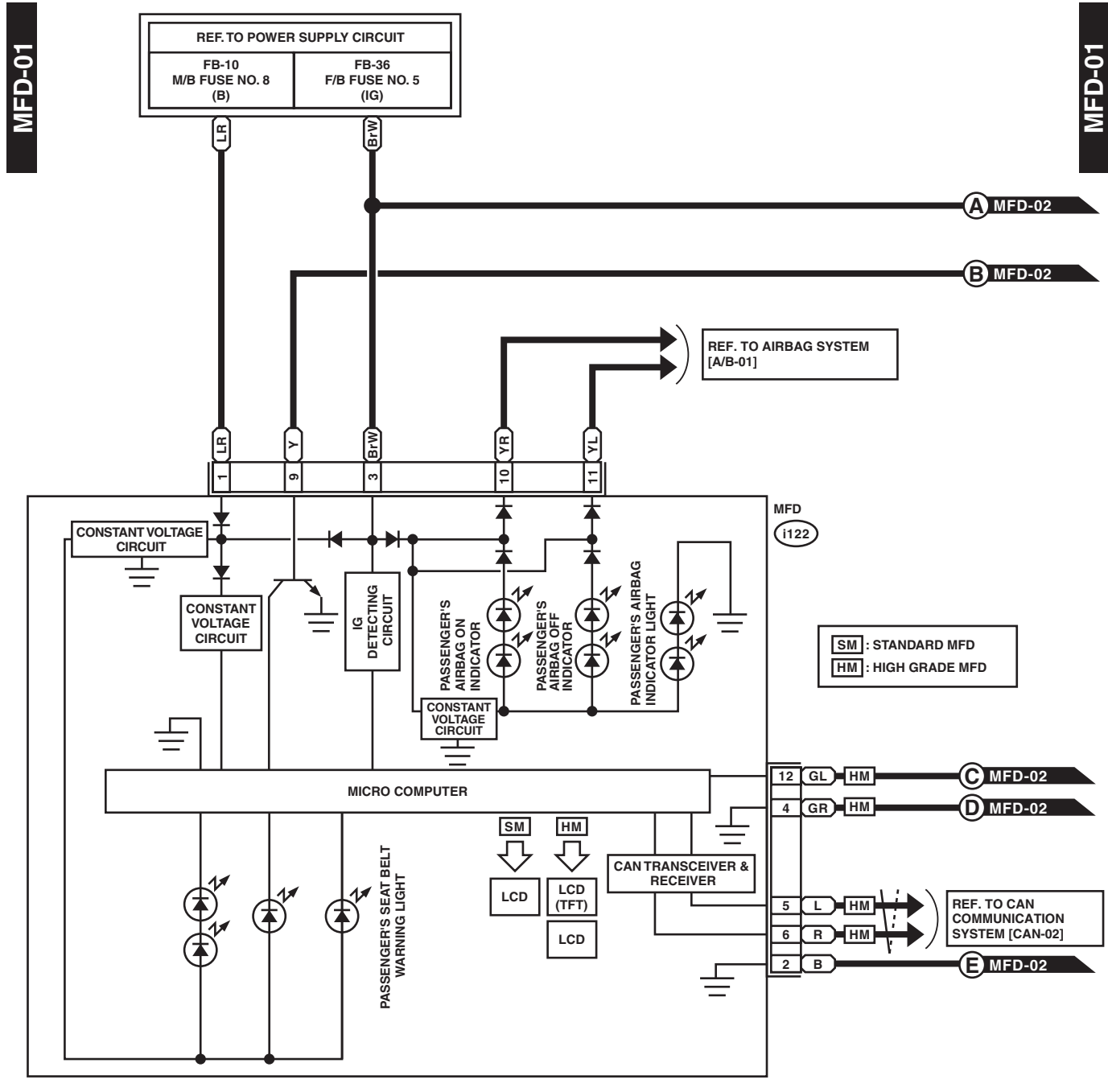
WI-48280

Multi-function Display (MFD) System

WIRING SYSTEM

30.Multi-function Display (MFD) System

A: WIRING DIAGRAM



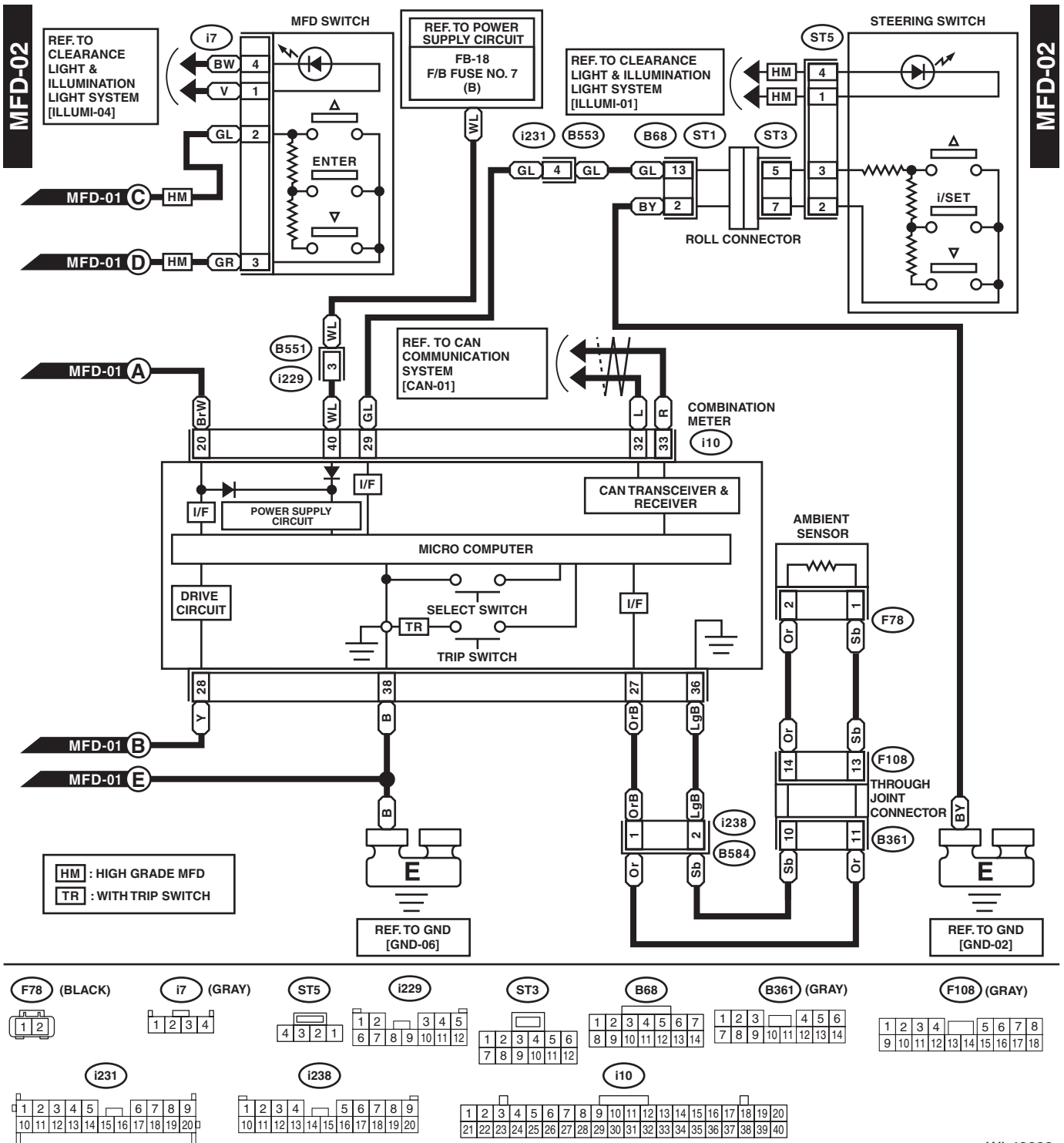
(i122) (BLACK)

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

WI-48281

Multi-function Display (MFD) System

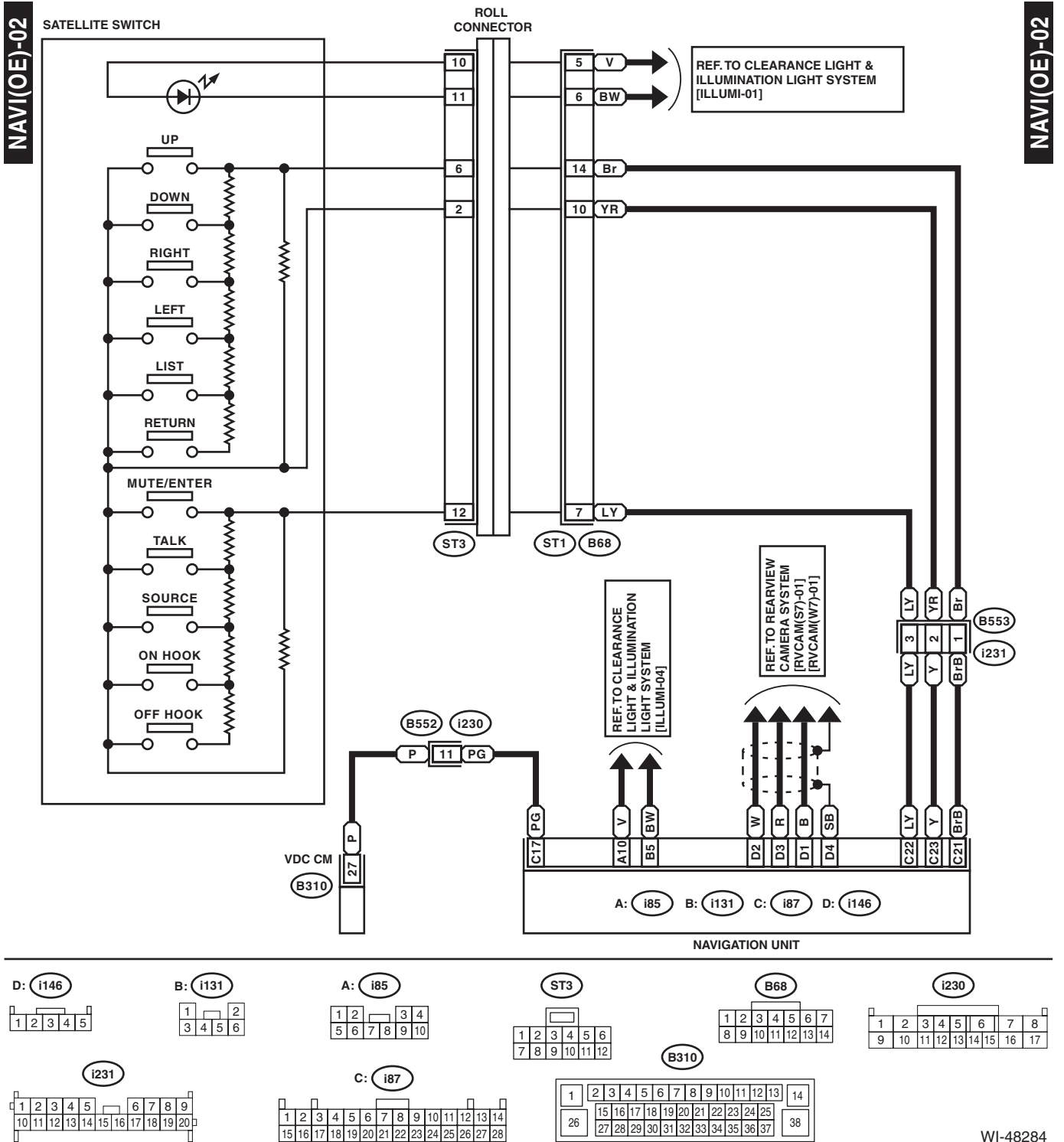
WIRING SYSTEM



WI-48282

Navigation System

WIRING SYSTEM

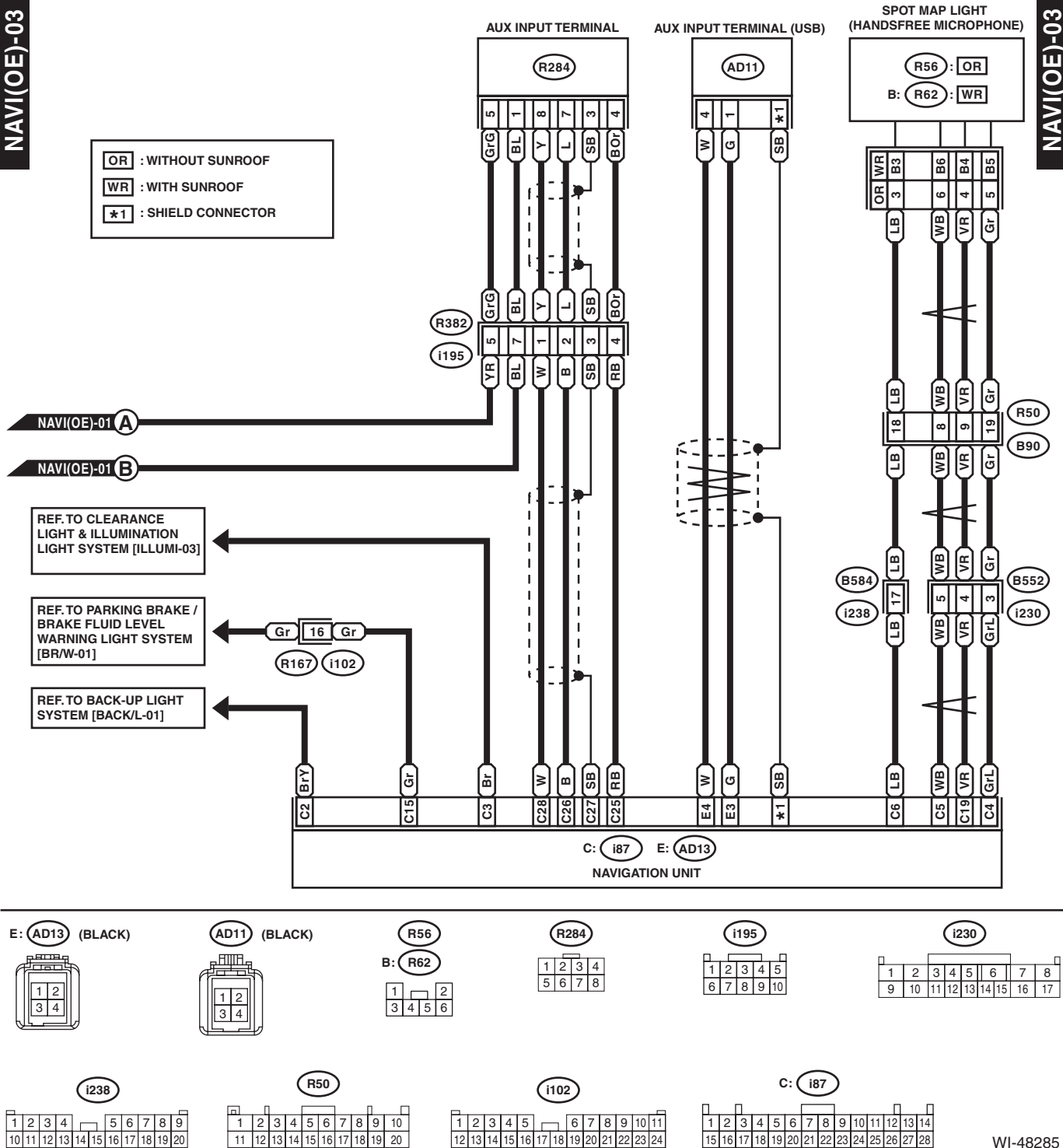


WIRING SYSTEM

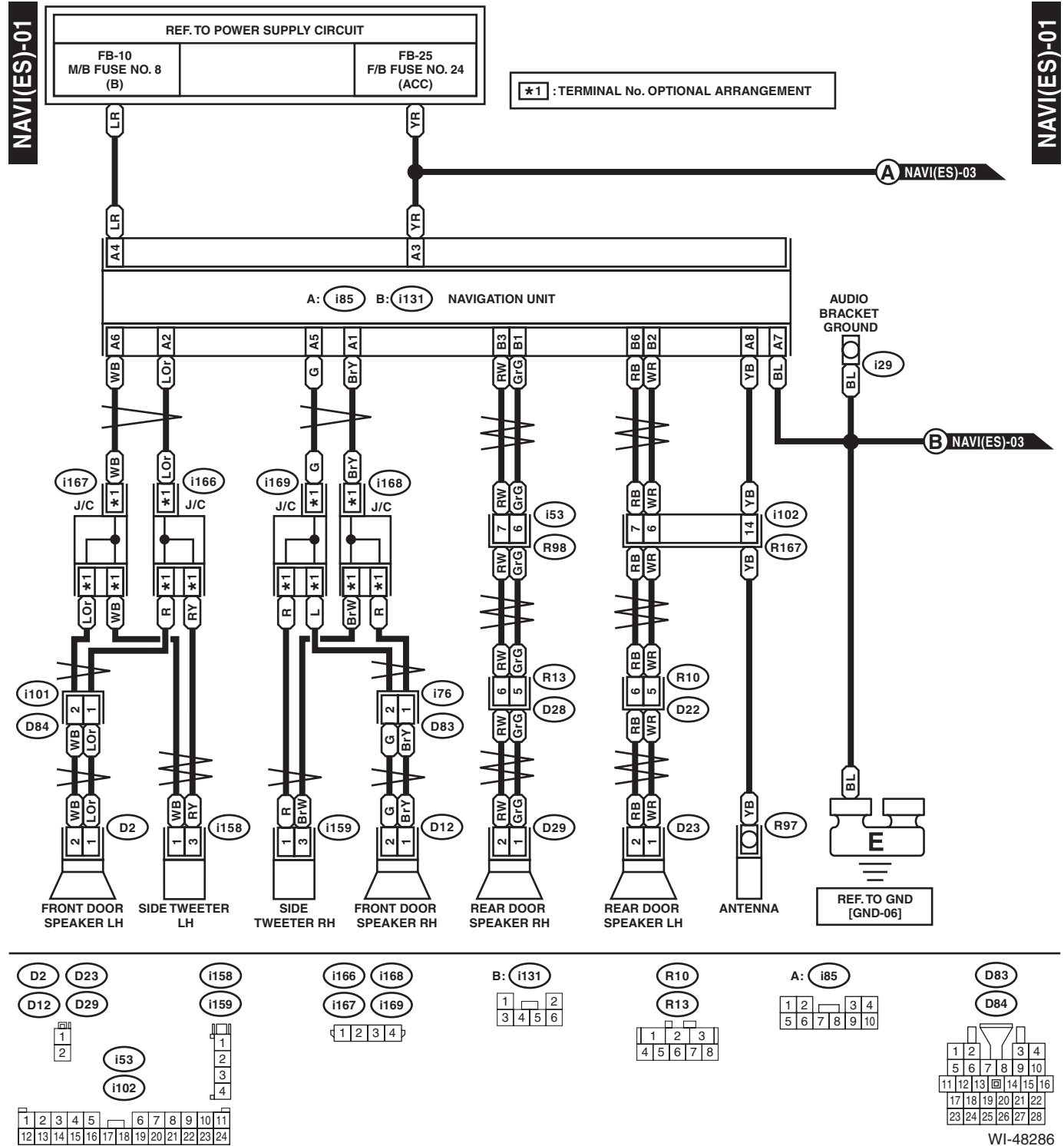
WIRING SYSTEM

NAVI(OE)-03

NAVI(OE)-03

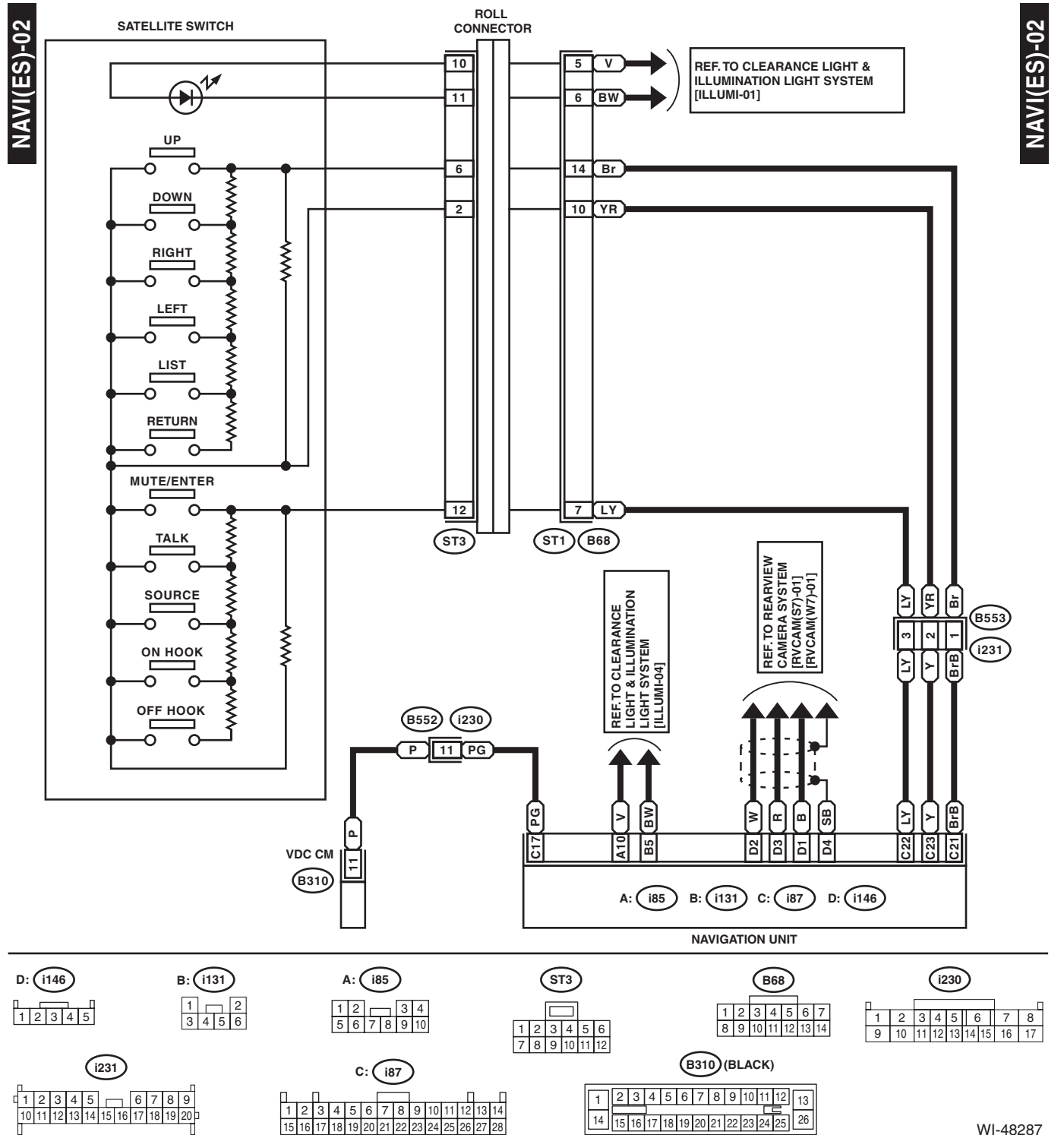


2. WITH EyeSight



Navigation System

WIRING SYSTEM



WIRING SYSTEM

NAVI(ES)-03

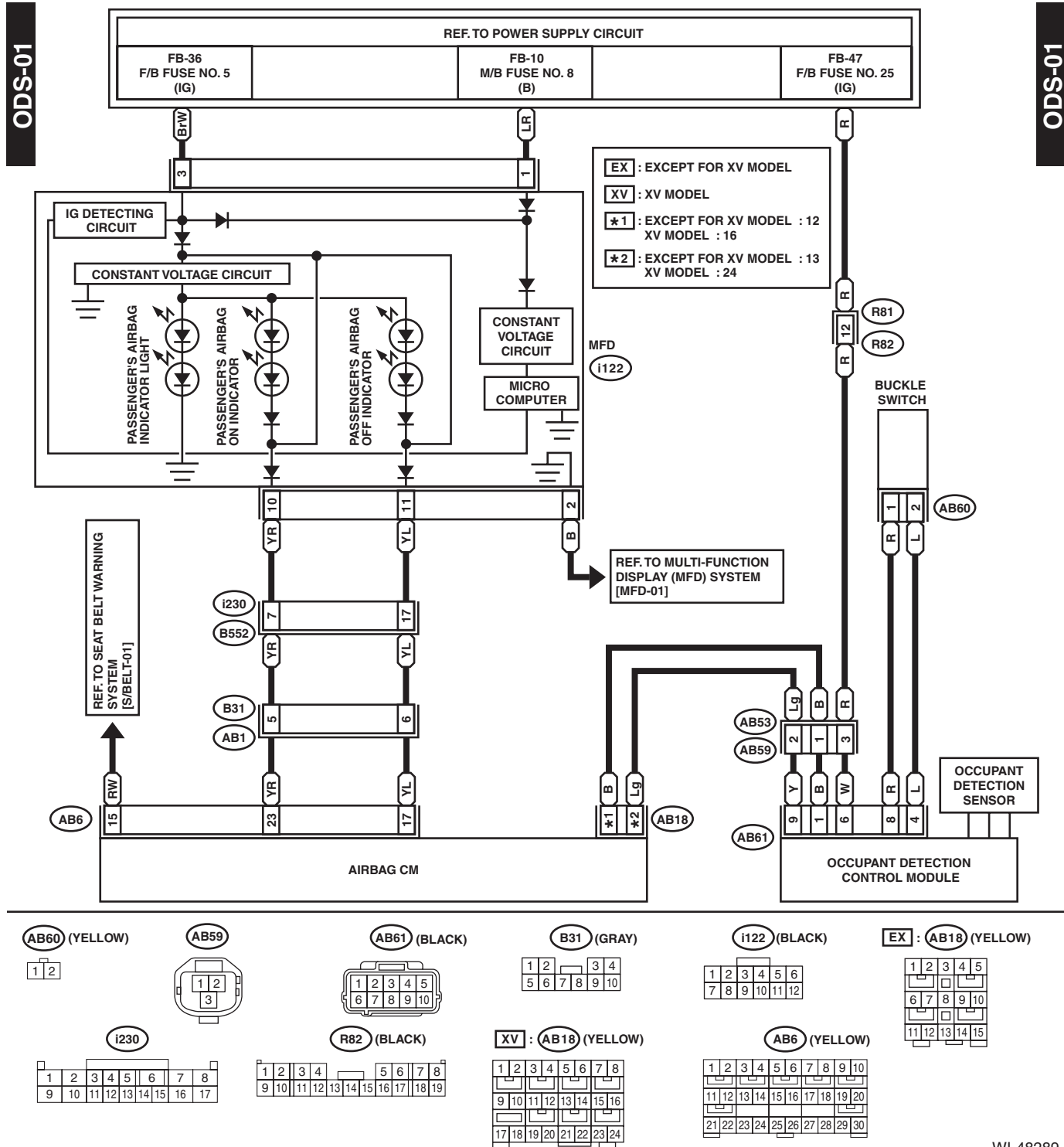


Occupant Detection System

WIRING SYSTEM

32. Occupant Detection System

A: WIRING DIAGRAM



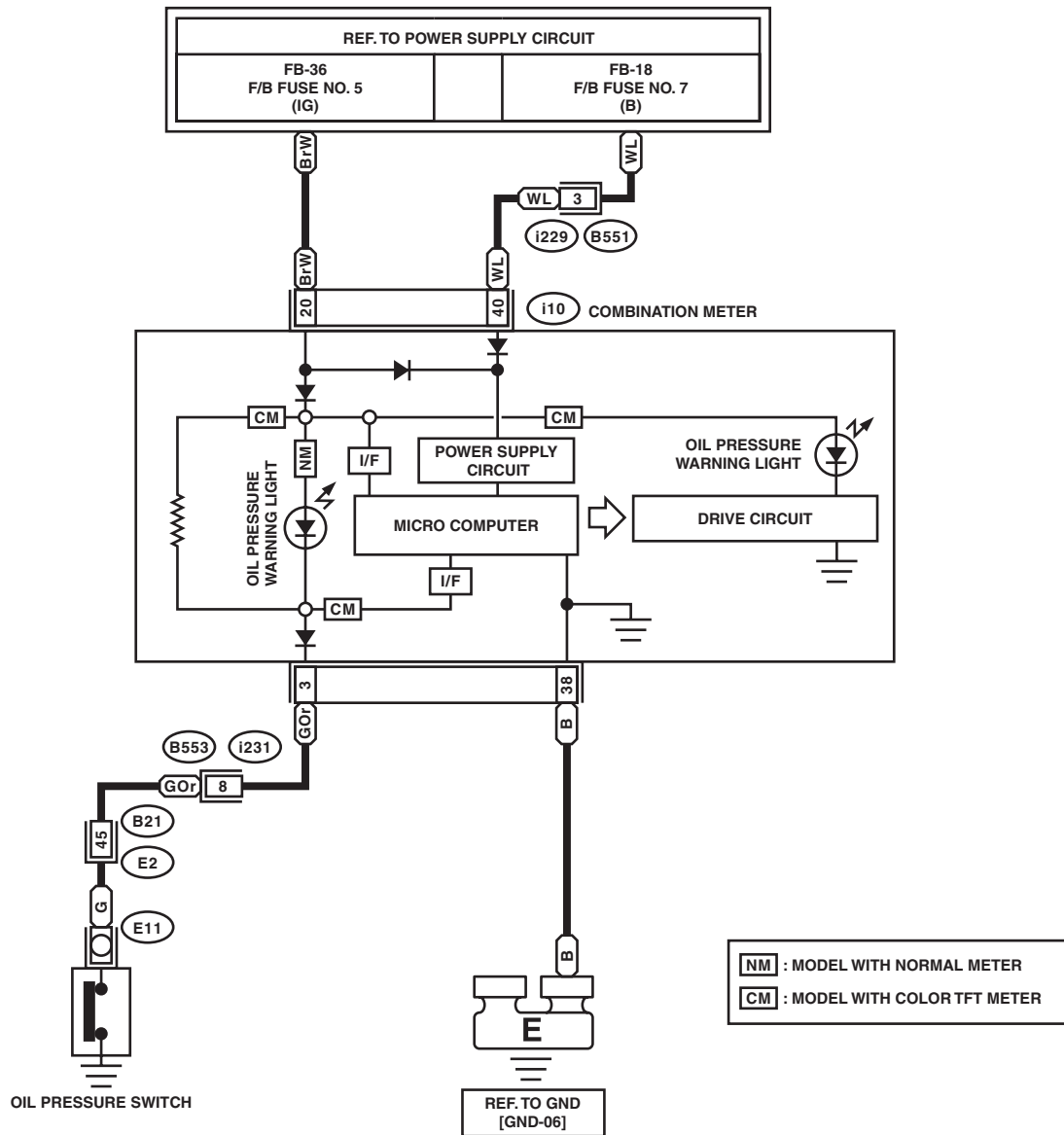
WI-48289

33.Oil Pressure Warning Light System

A: WIRING DIAGRAM

OIL/P-01

OIL/P-01



i229

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

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				

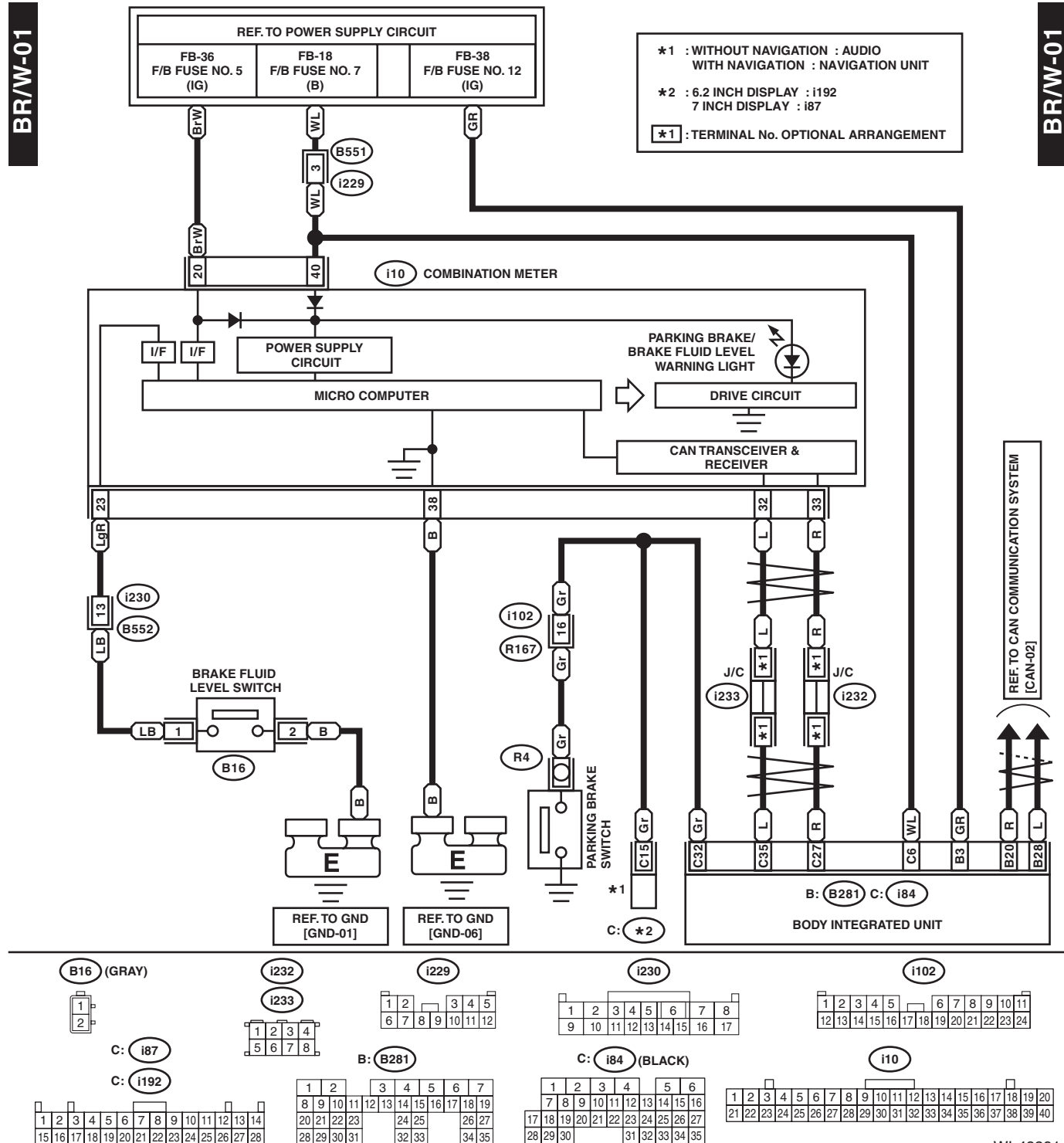
WI-48290

Parking Brake / Brake Fluid Level Warning Light System

WIRING SYSTEM

34. Parking Brake / Brake Fluid Level Warning Light System

A: WIRING DIAGRAM



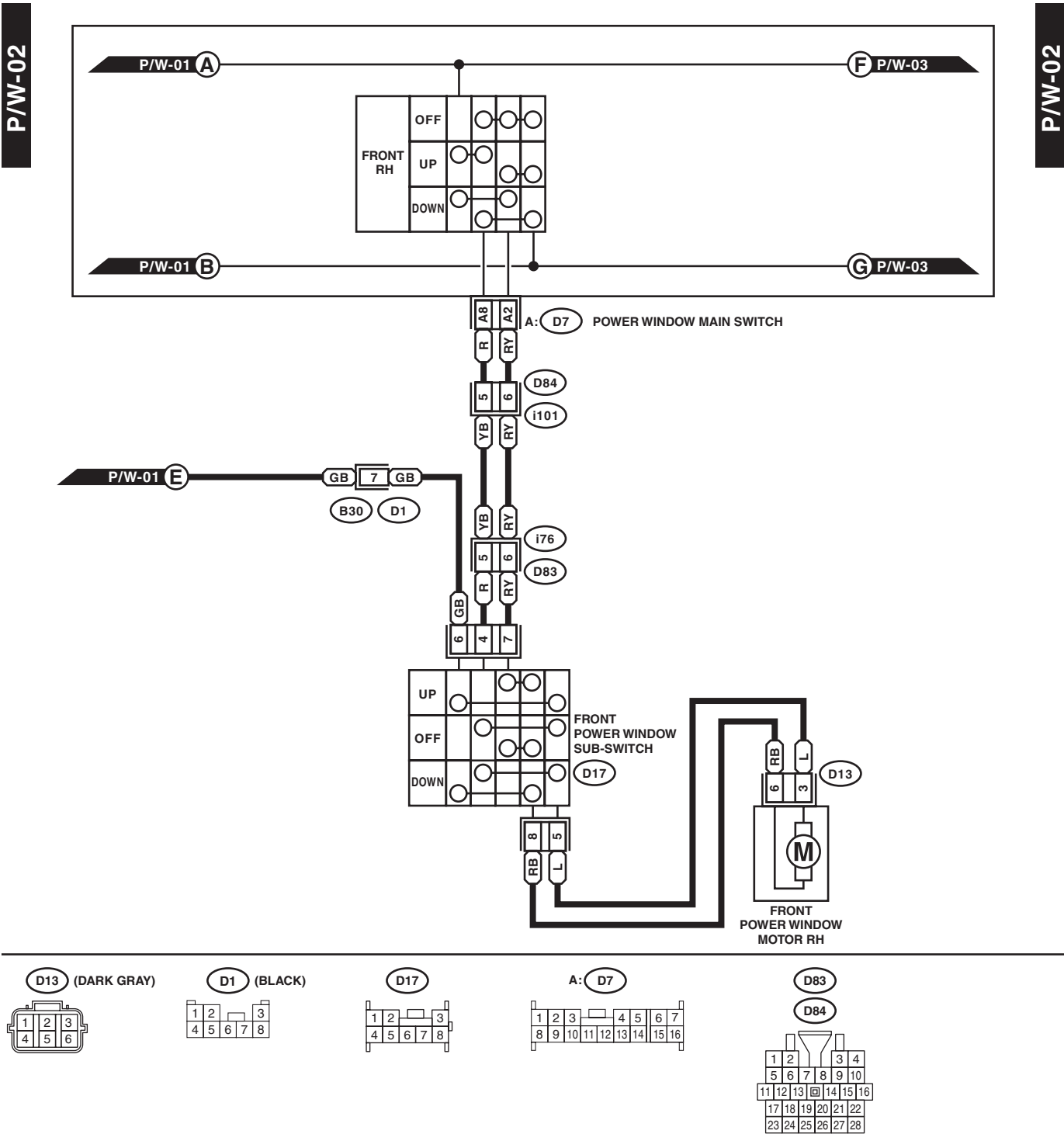
WI-48291

A: WIRING DIAGRAM



Power Window System

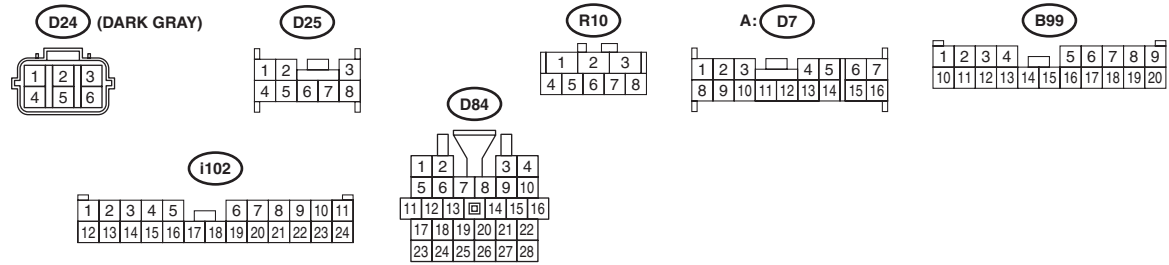
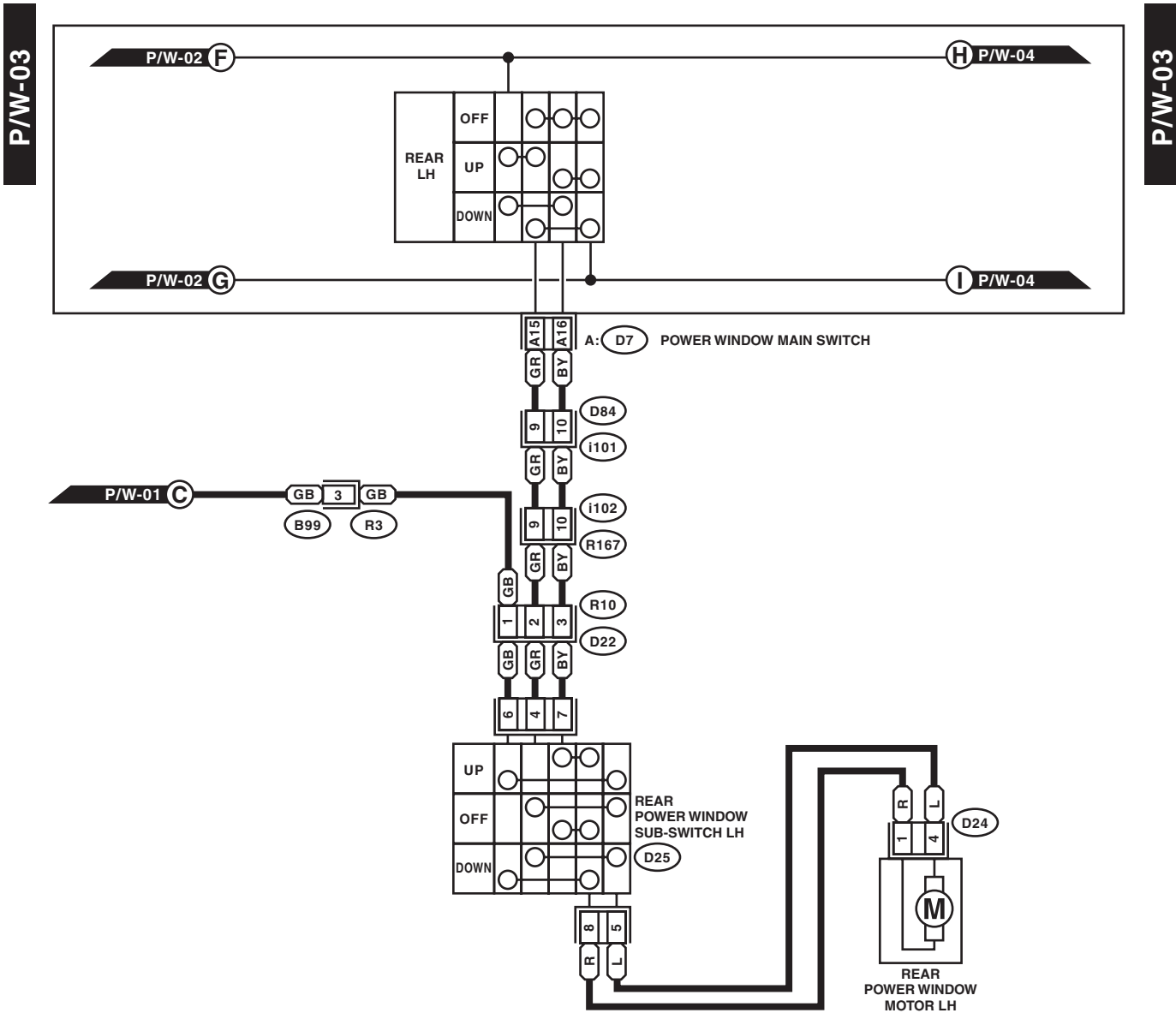
WIRING SYSTEM



WI-48733

Power Window System

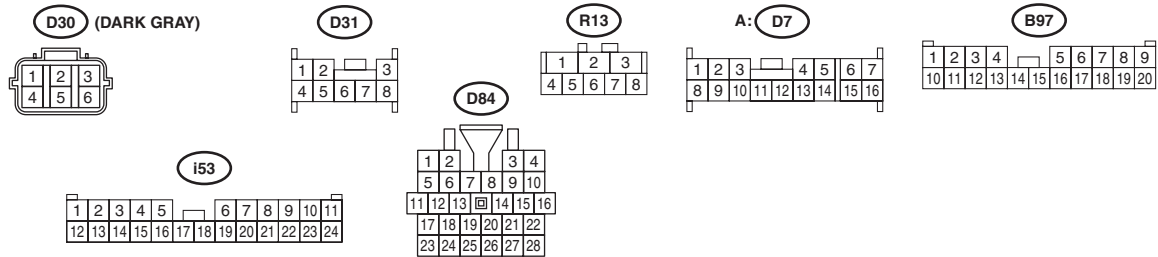
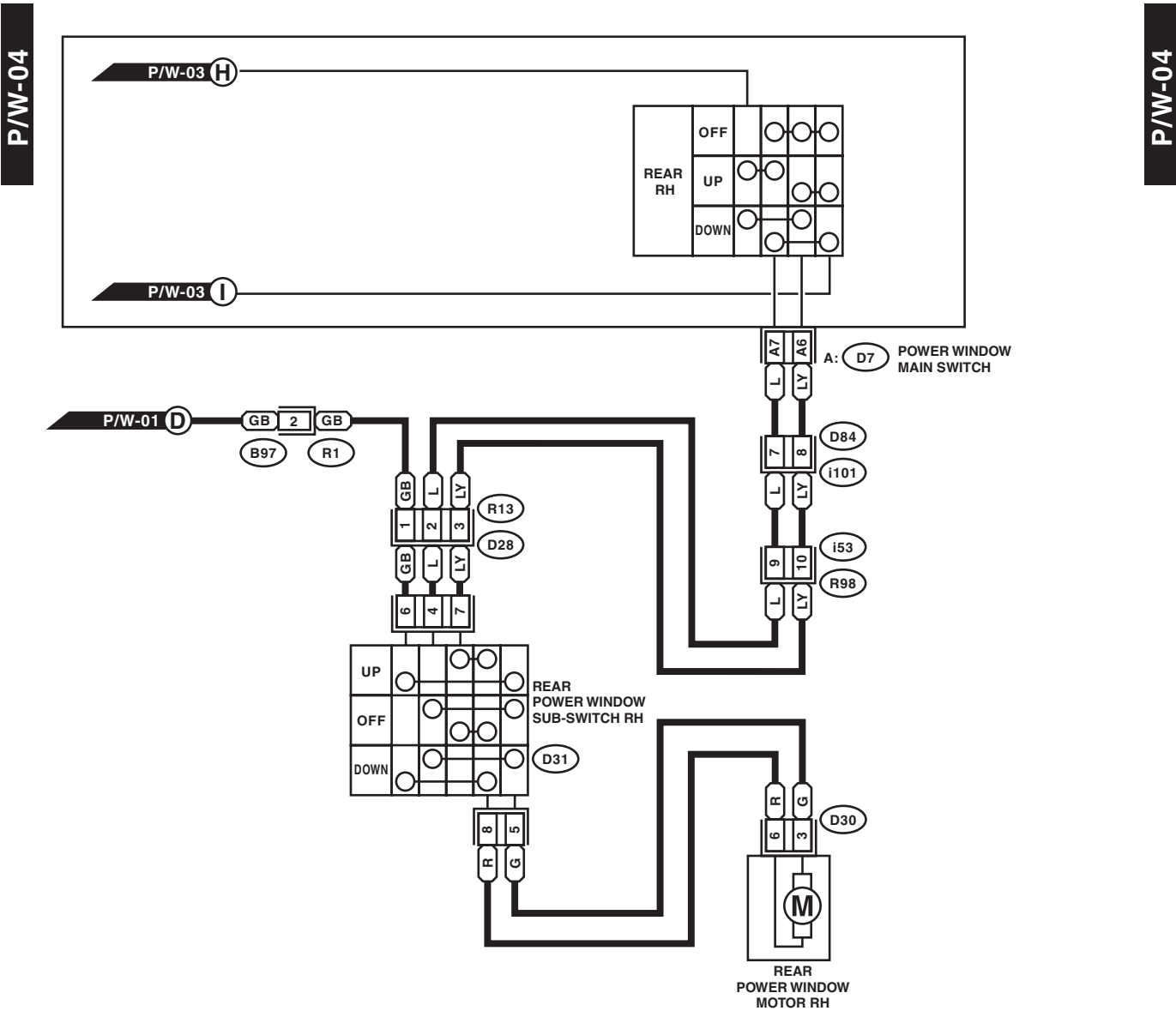
WIRING SYSTEM



WI-48734

Power Window System

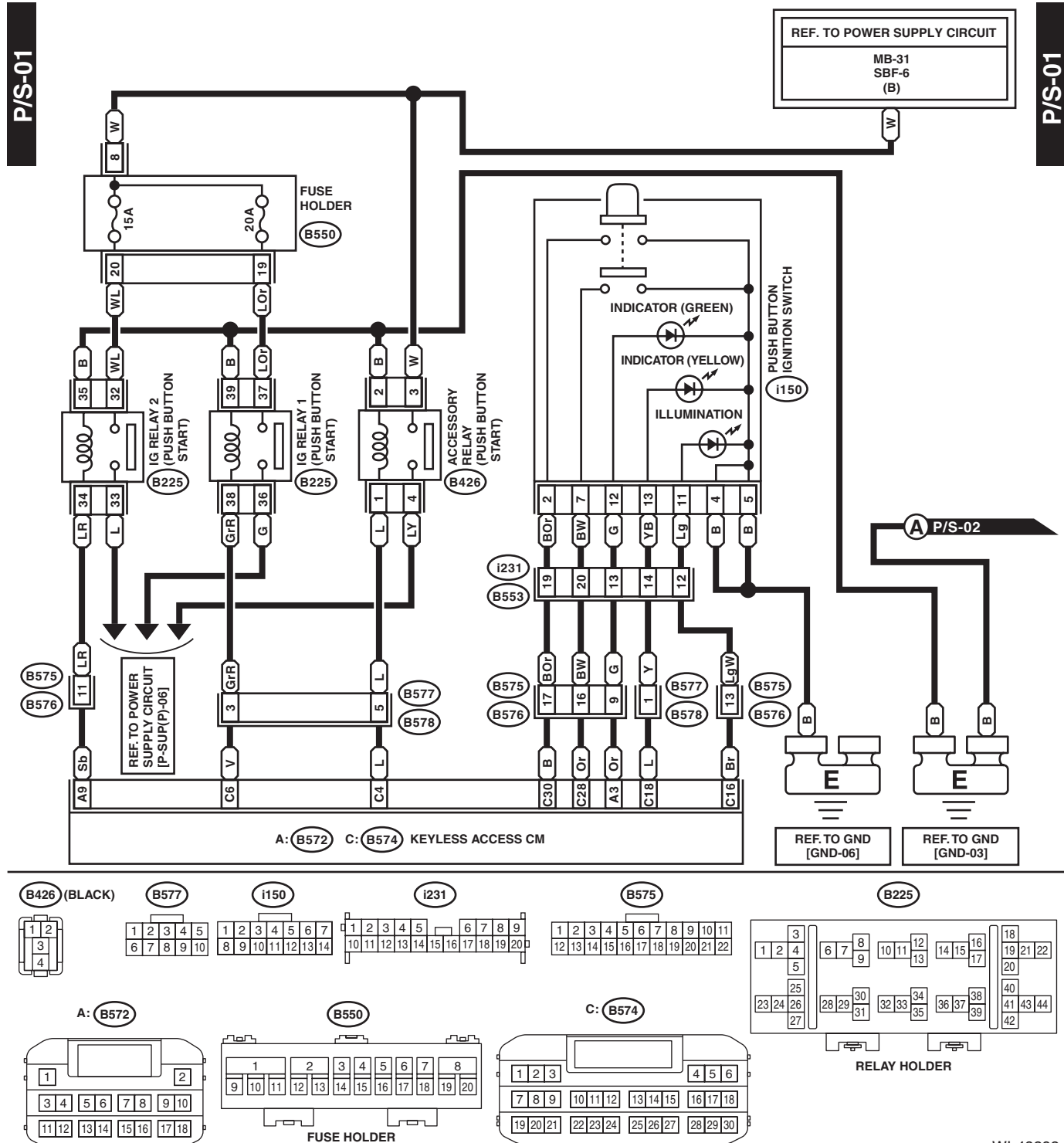
WIRING SYSTEM



WI-48735

36. Push Button Start System

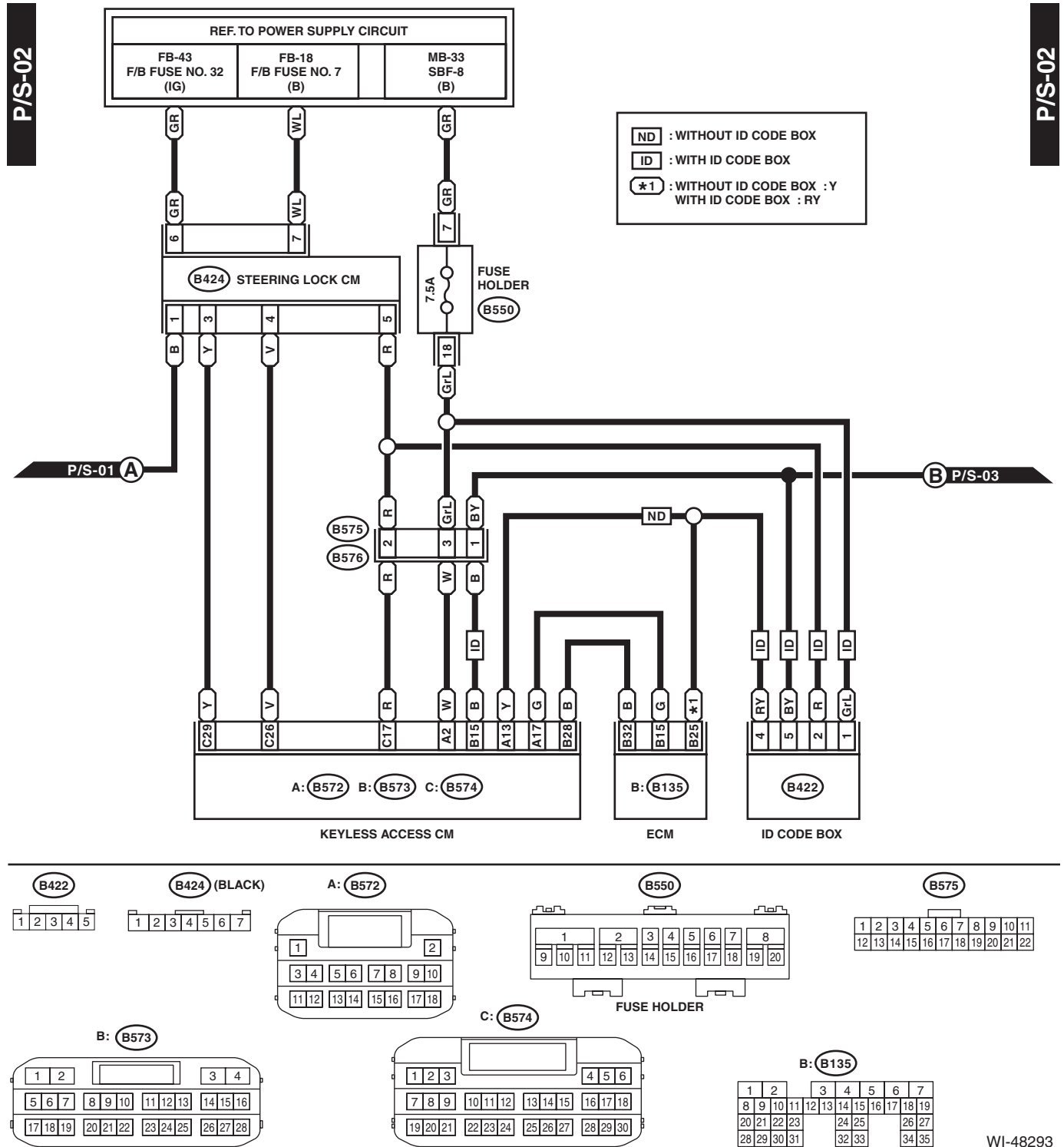
A: WIRING DIAGRAM



WI-48292

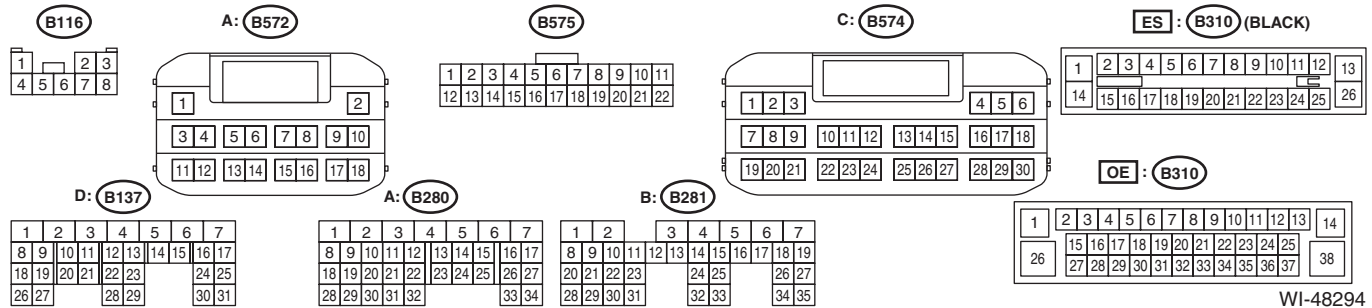
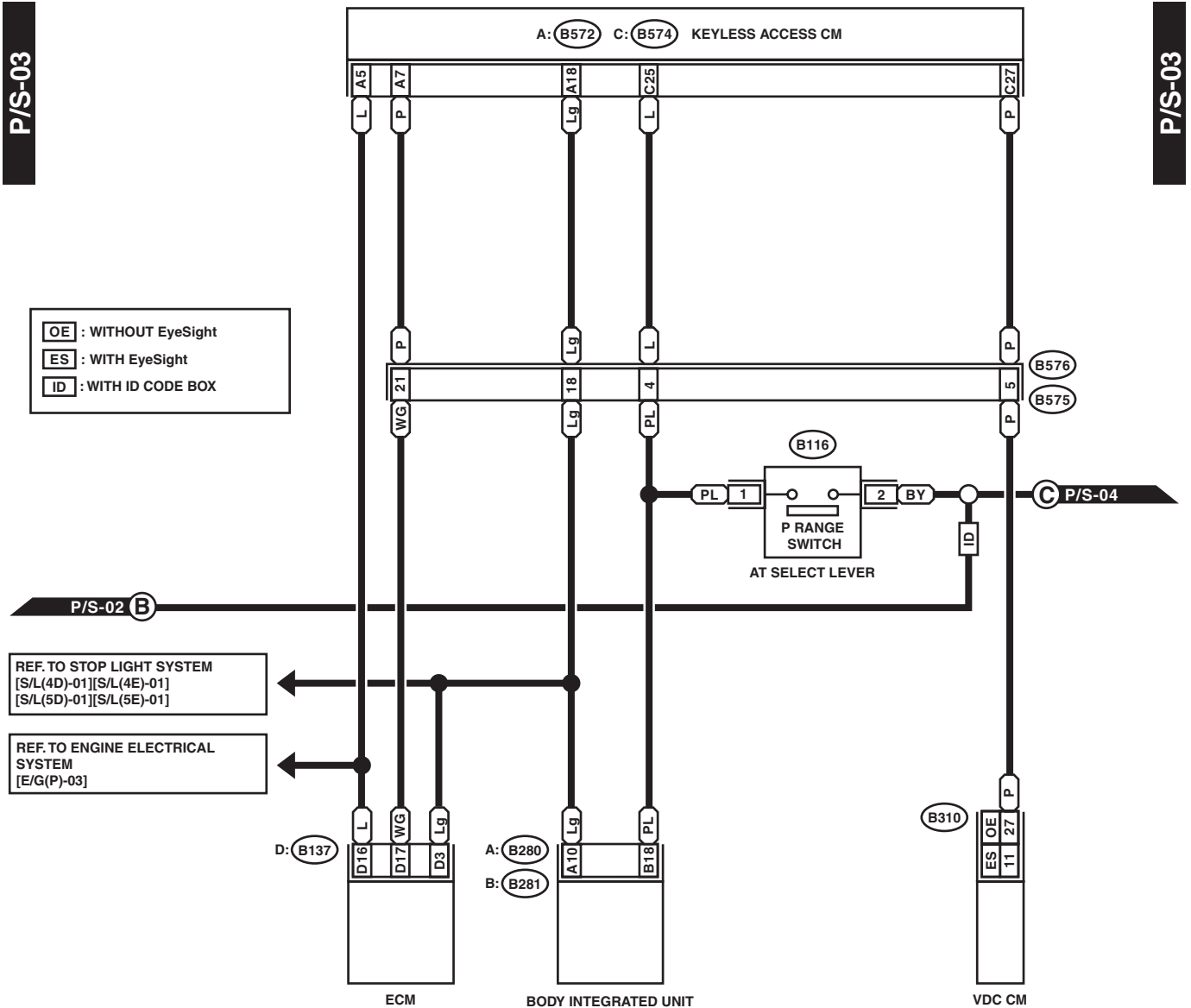
Push Button Start System

WIRING SYSTEM



Push Button Start System

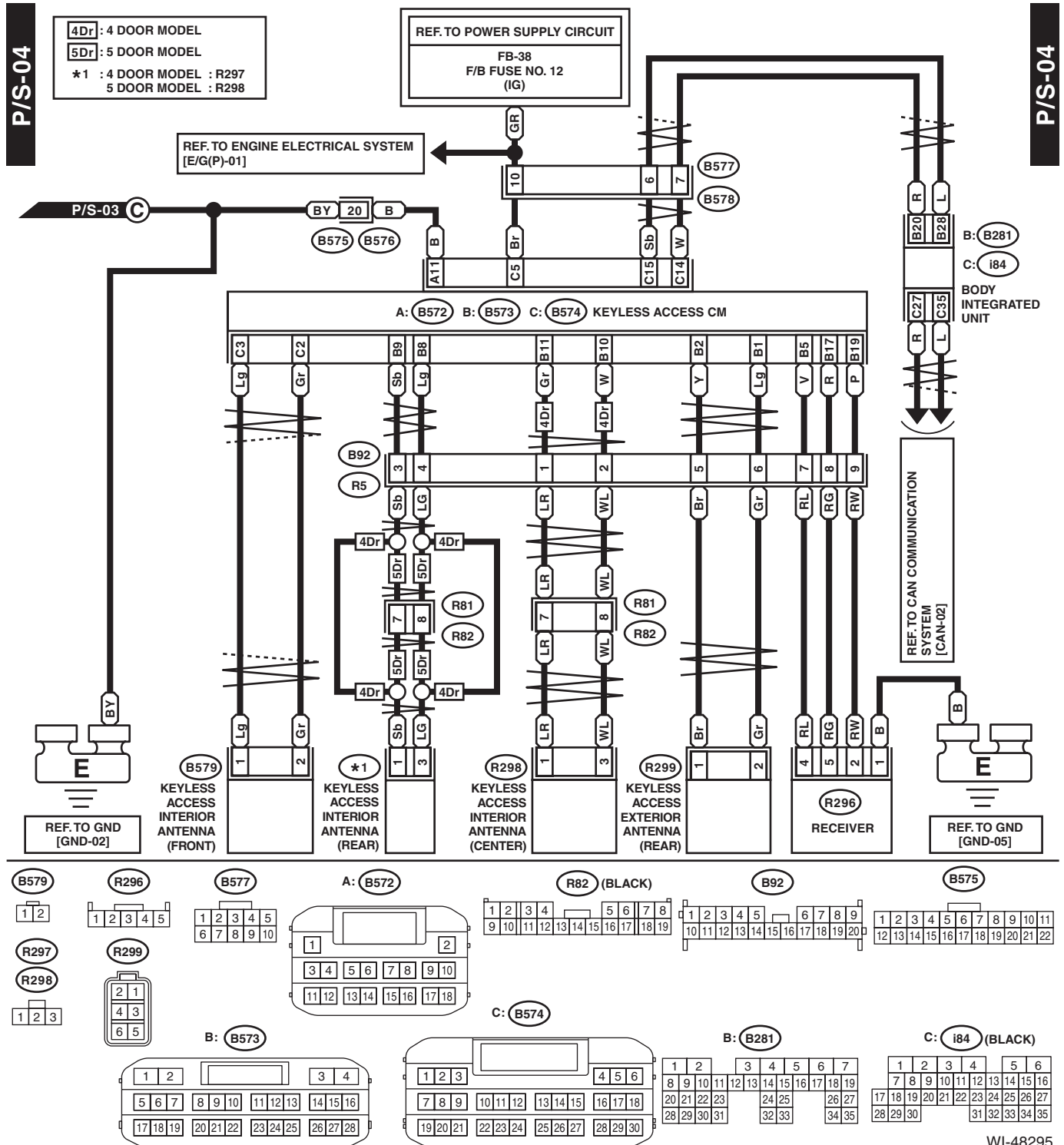
WIRING SYSTEM



WI-48294

Push Button Start System

WIRING SYSTEM



A: WIRING DIAGRAM

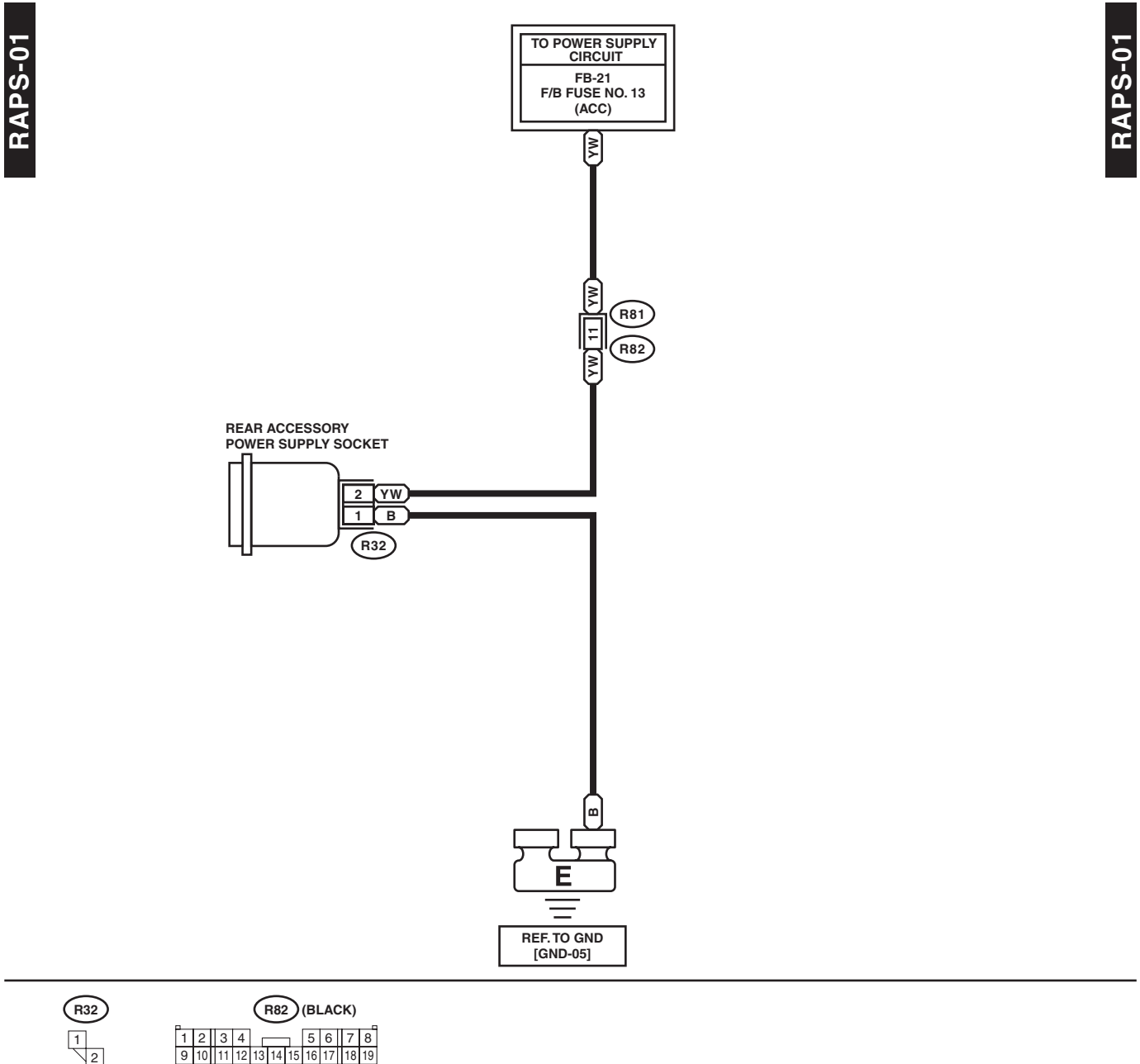


Rear Accessory Power Supply Socket System

WIRING SYSTEM

38.Rear Accessory Power Supply Socket System

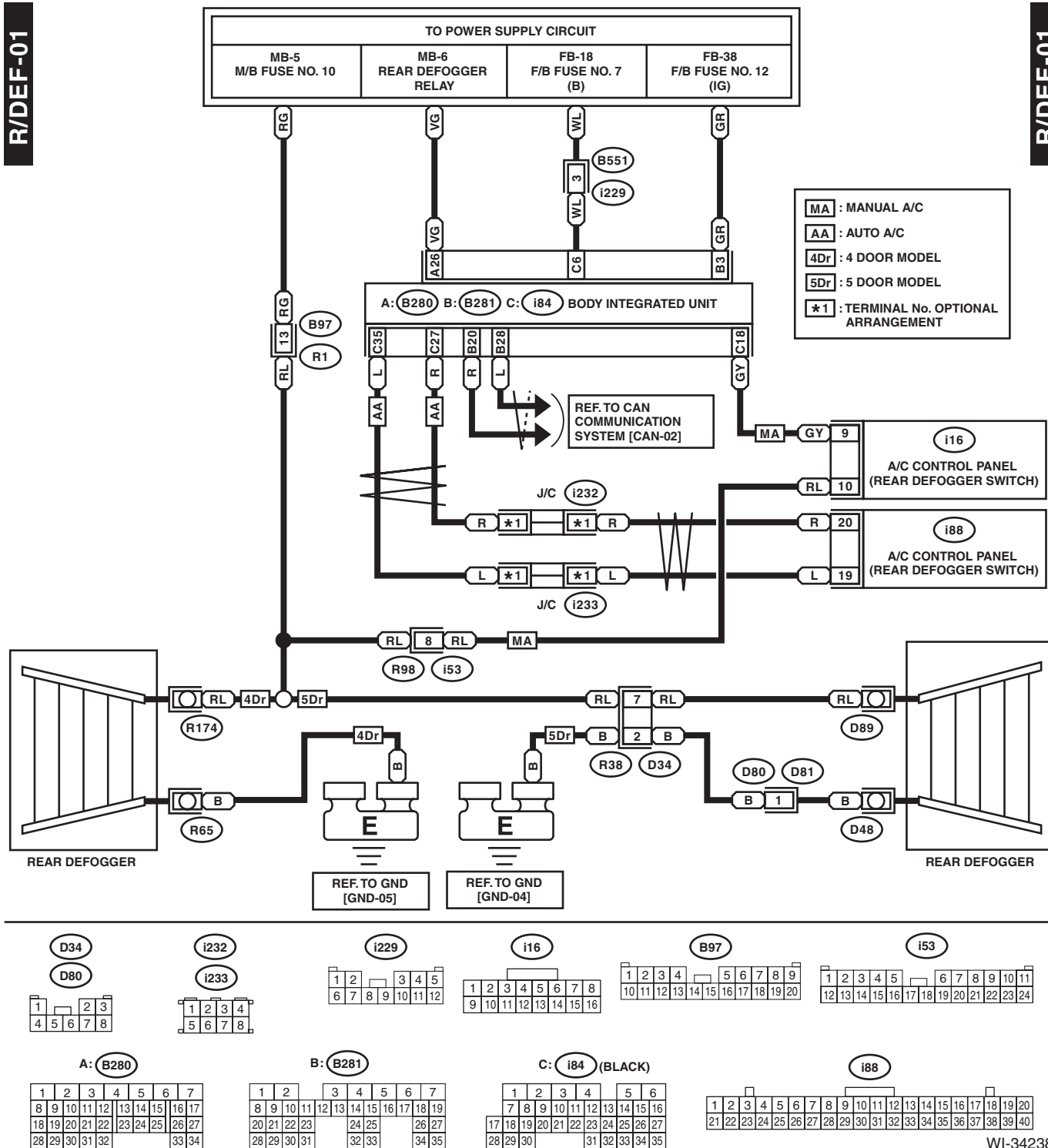
A: WIRING DIAGRAM



WI-34237

39. Rear Defogger System

A: WIRING DIAGRAM



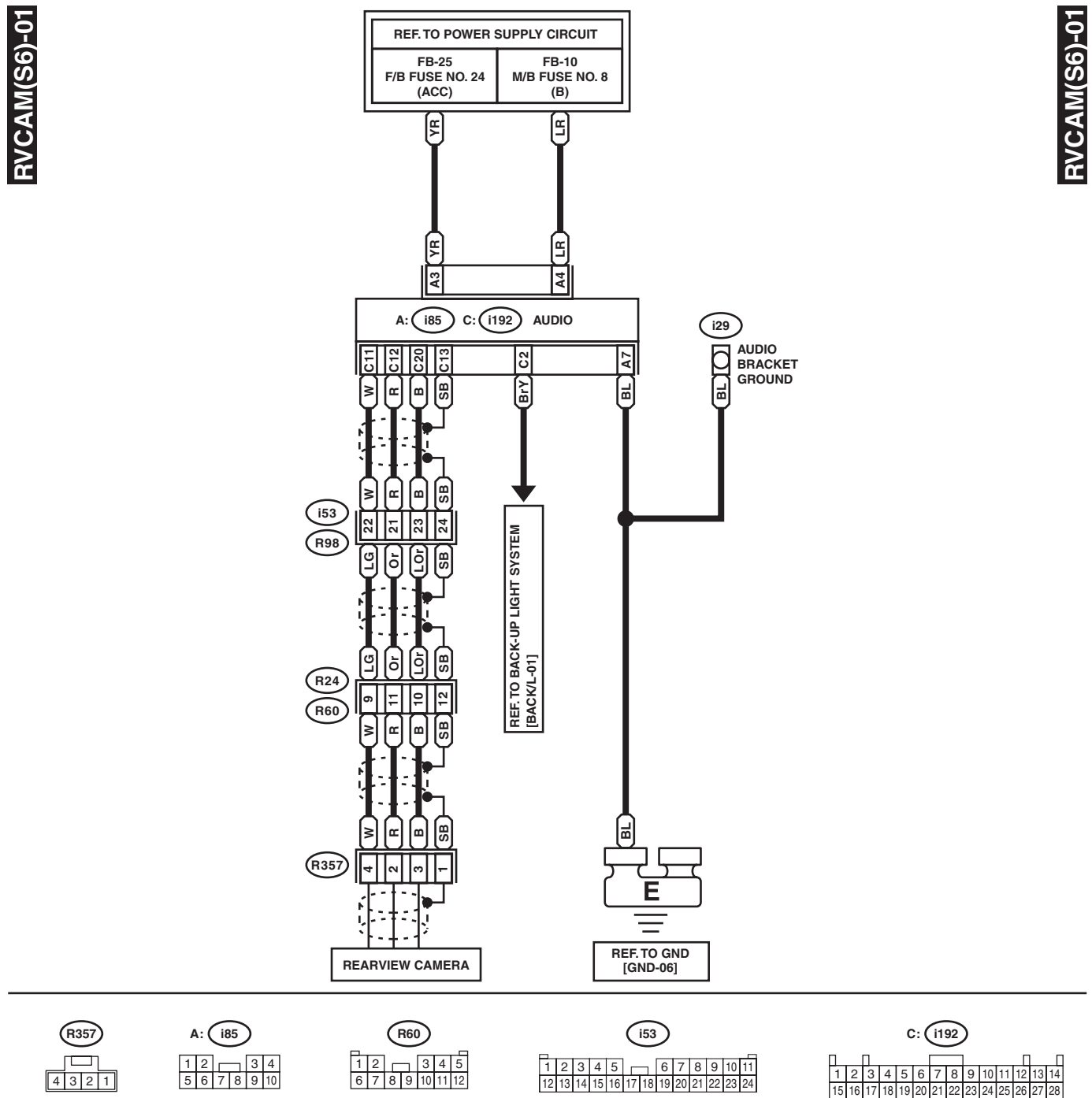
WIRING SYSTEM

40.Rearview Camera System

A: WIRING DIAGRAM

1. 4 DOOR MODEL (6.2 INCH DISPLAY)

1. 4 DOOR MODEL (6.2 INCH DISPLAY)



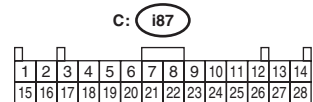
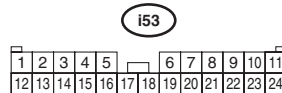
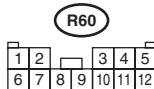
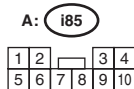
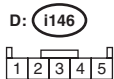
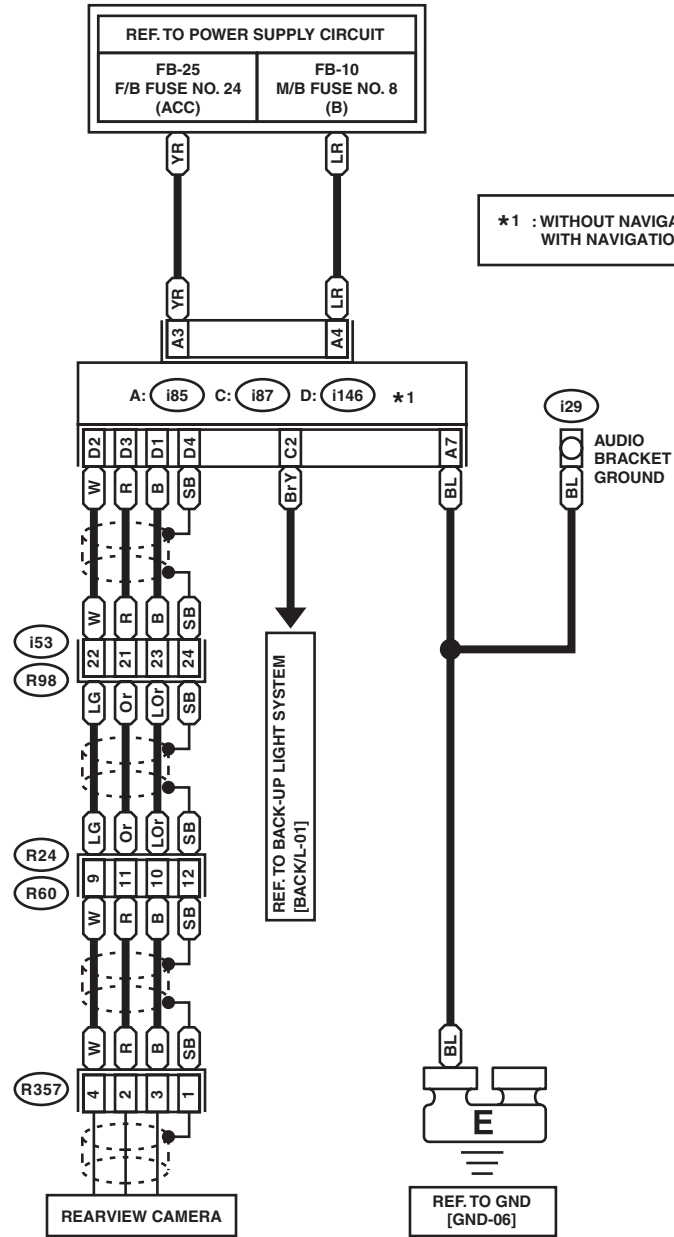
Rearview Camera System

WIRING SYSTEM

2. 4 DOOR MODEL (7 INCH DISPLAY)

RVCAM(S7)-01

RVCAM(S7)-01

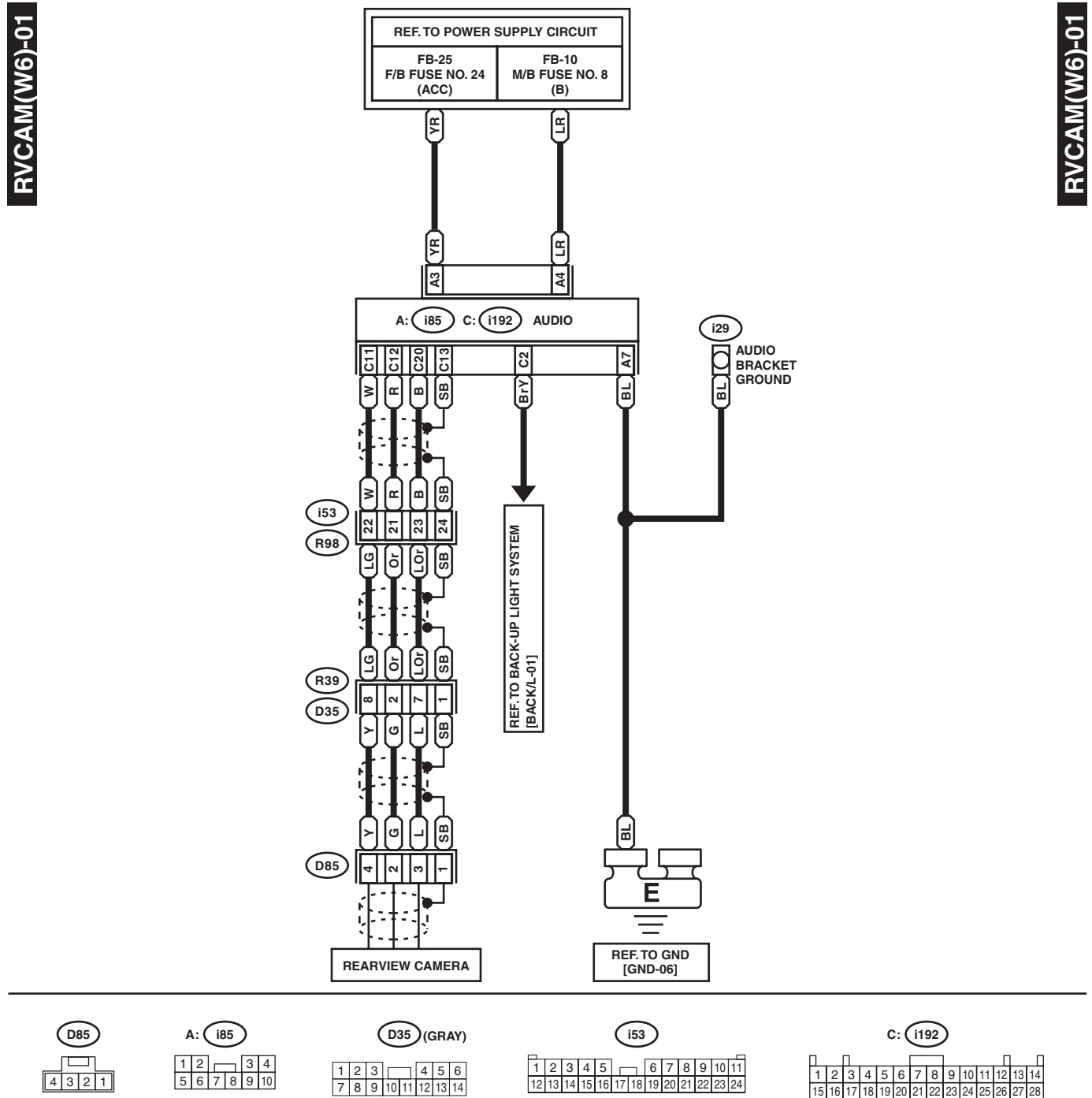


WI-48298

Rearview Camera System

WIRING SYSTEM

3. 5 DOOR MODEL (6.2 INCH DISPLAY)

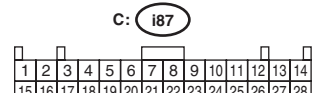
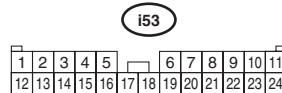
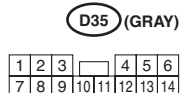
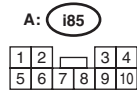
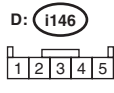
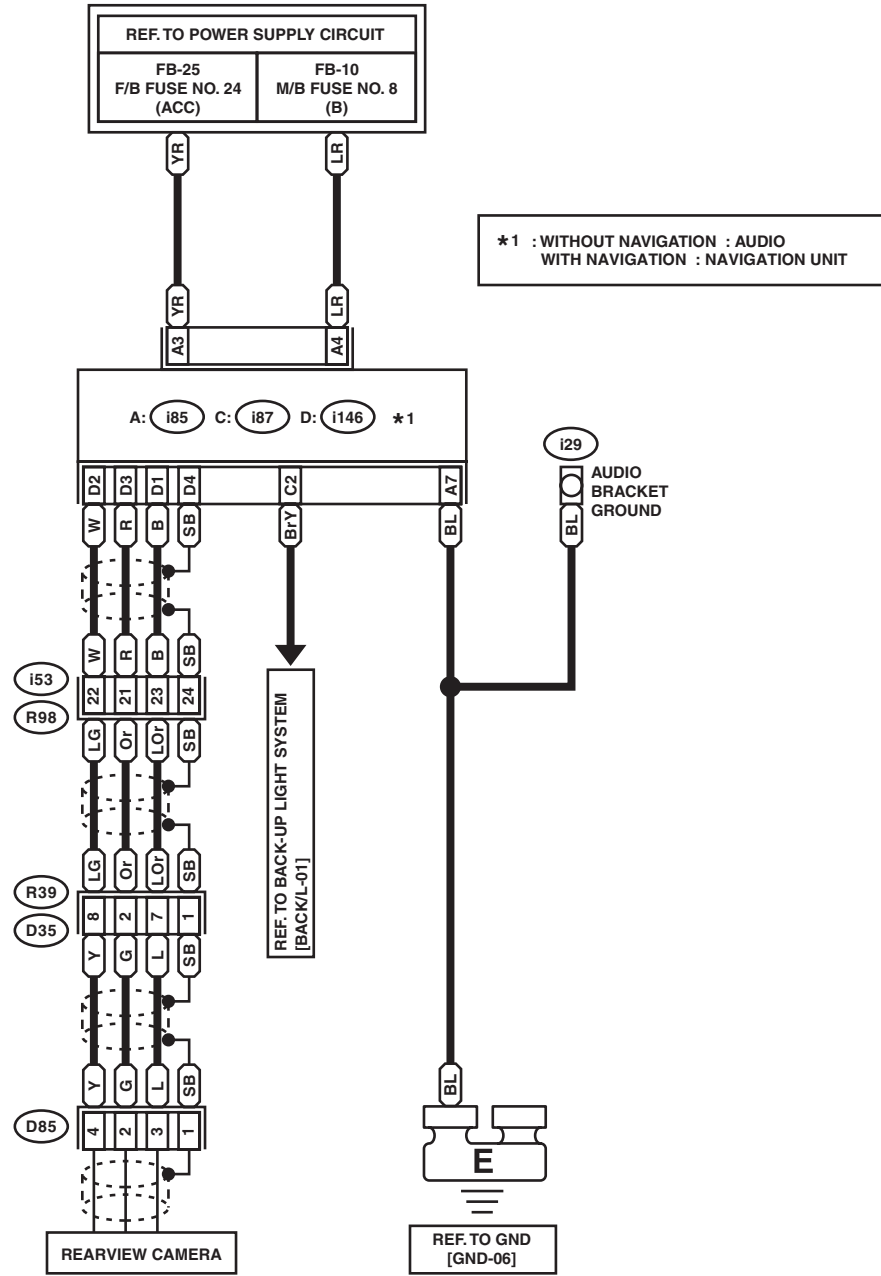


WI-48299

4. 5 DOOR MODEL (7 INCH DISPLAY)

RVCAM(W7)-01

RVCAM(W7)-01



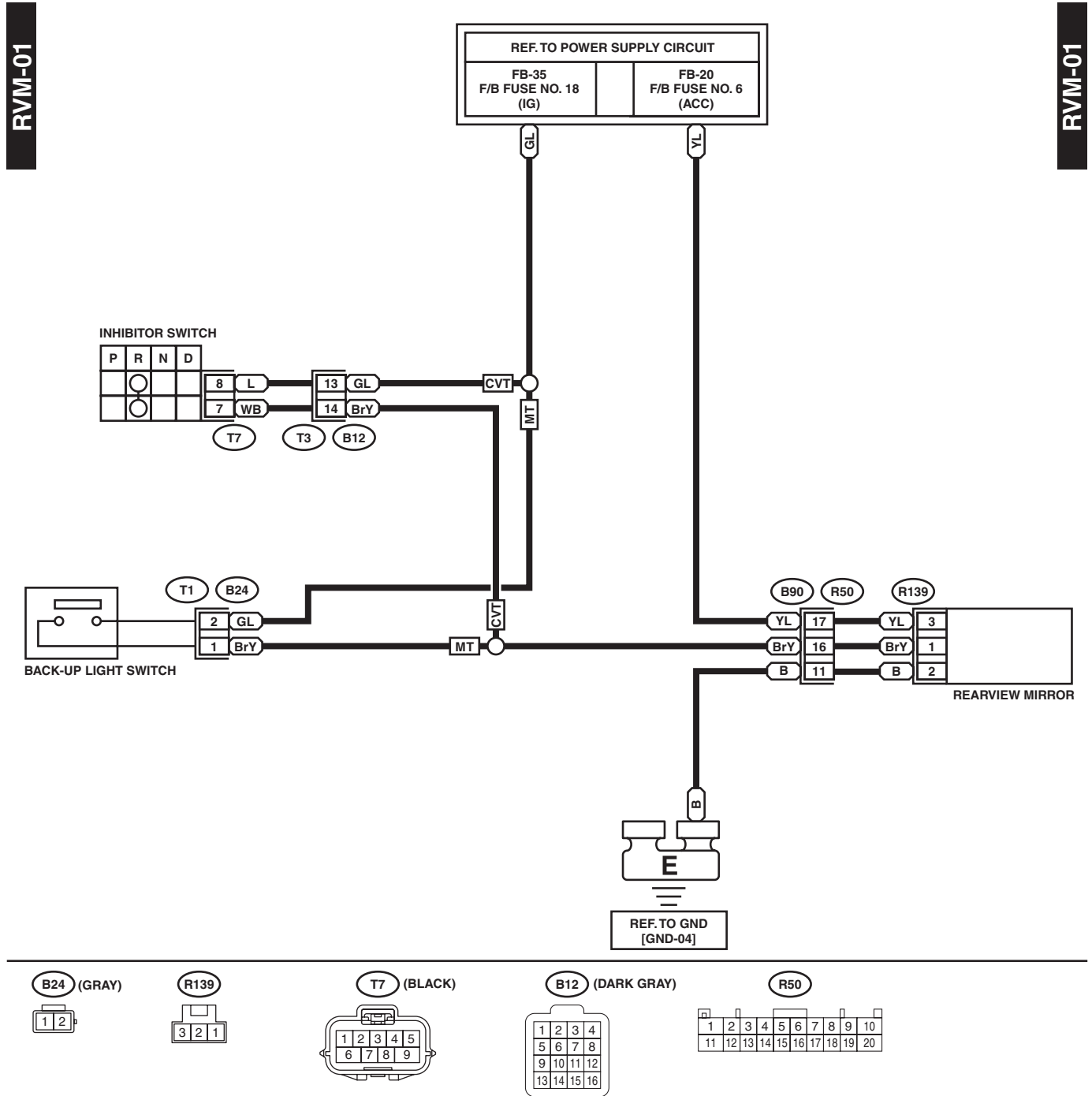
WI-48300

Rearview Mirror System

WIRING SYSTEM

41.Rearview Mirror System

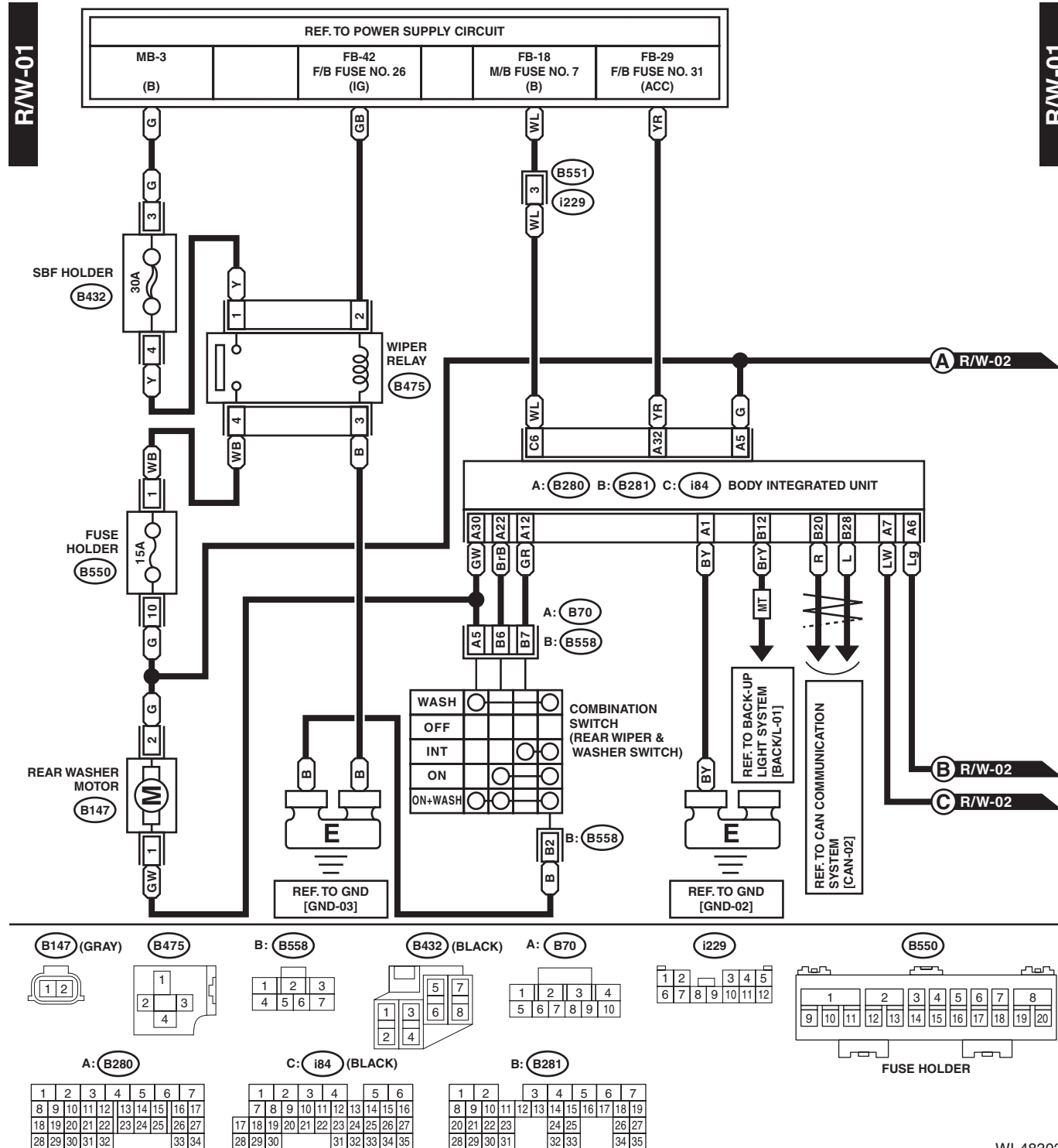
A: WIRING DIAGRAM



WI-48301

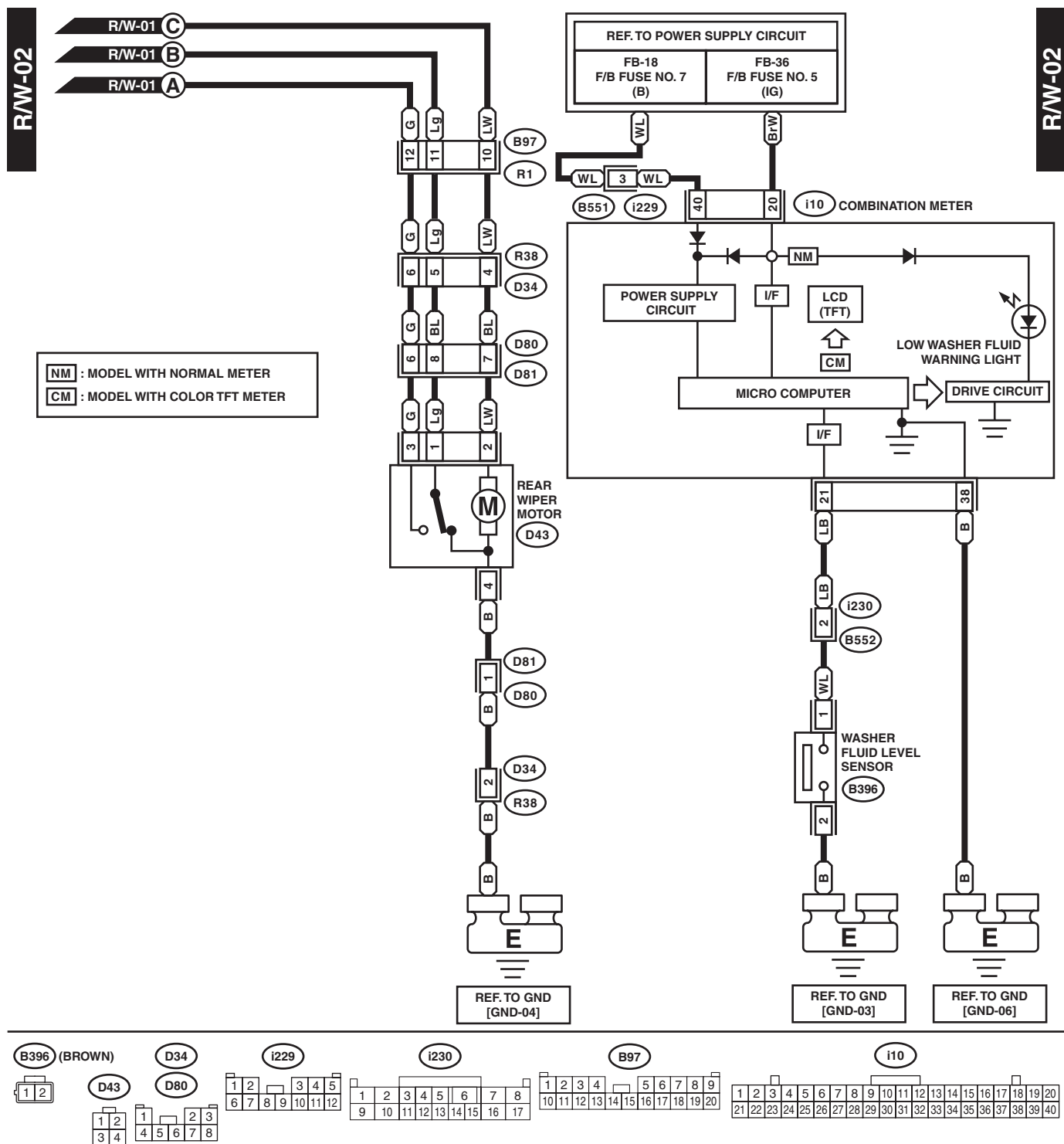
42.Rear Wiper and Washer System

A: WIRING DIAGRAM



Rear Wiper and Washer System

WIRING SYSTEM

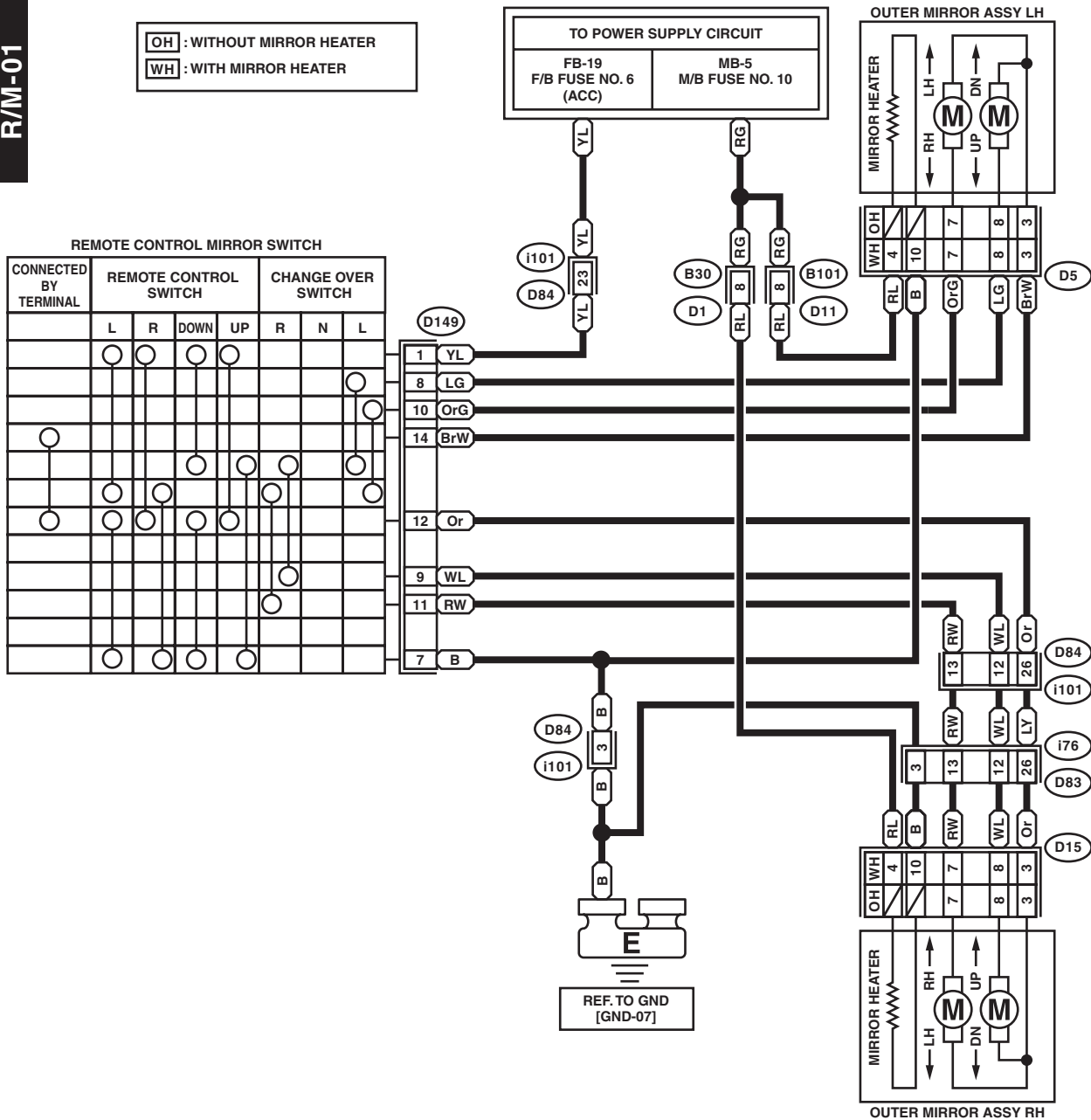


WI-48303

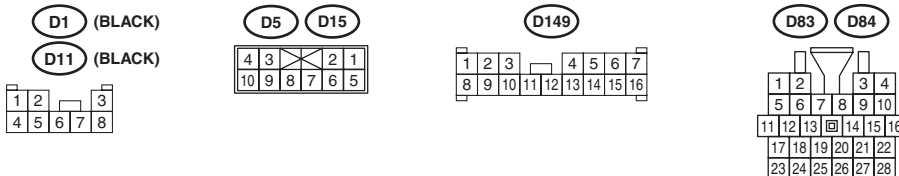
A: WIRING DIAGRAM

R/M-01

OH : WITHOUT MIRROR HEATER
WH : WITH MIRROR HEATER



R/M-01



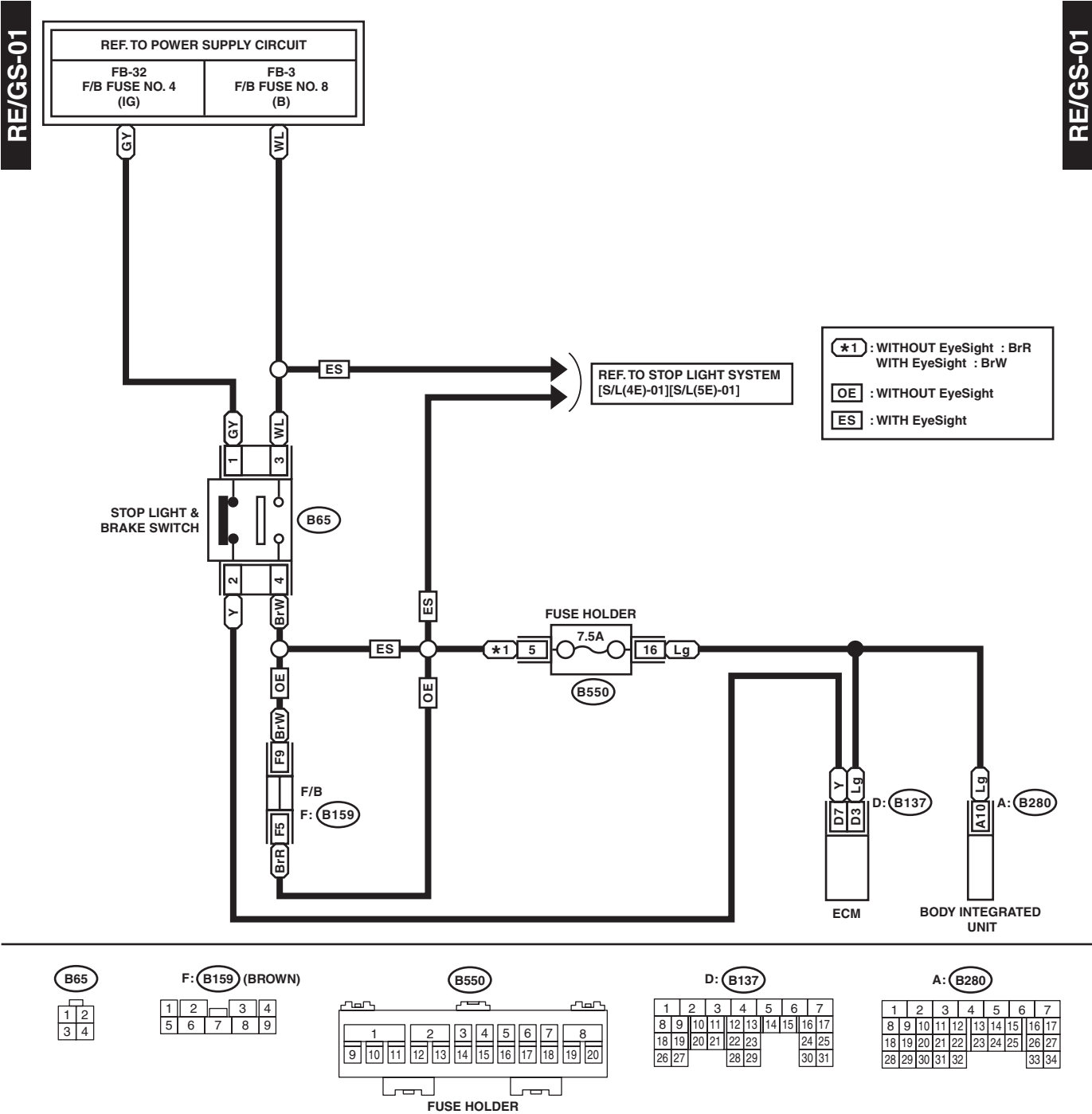
WI-37860

Remote Engine Start System

WIRING SYSTEM

44.Remote Engine Start System

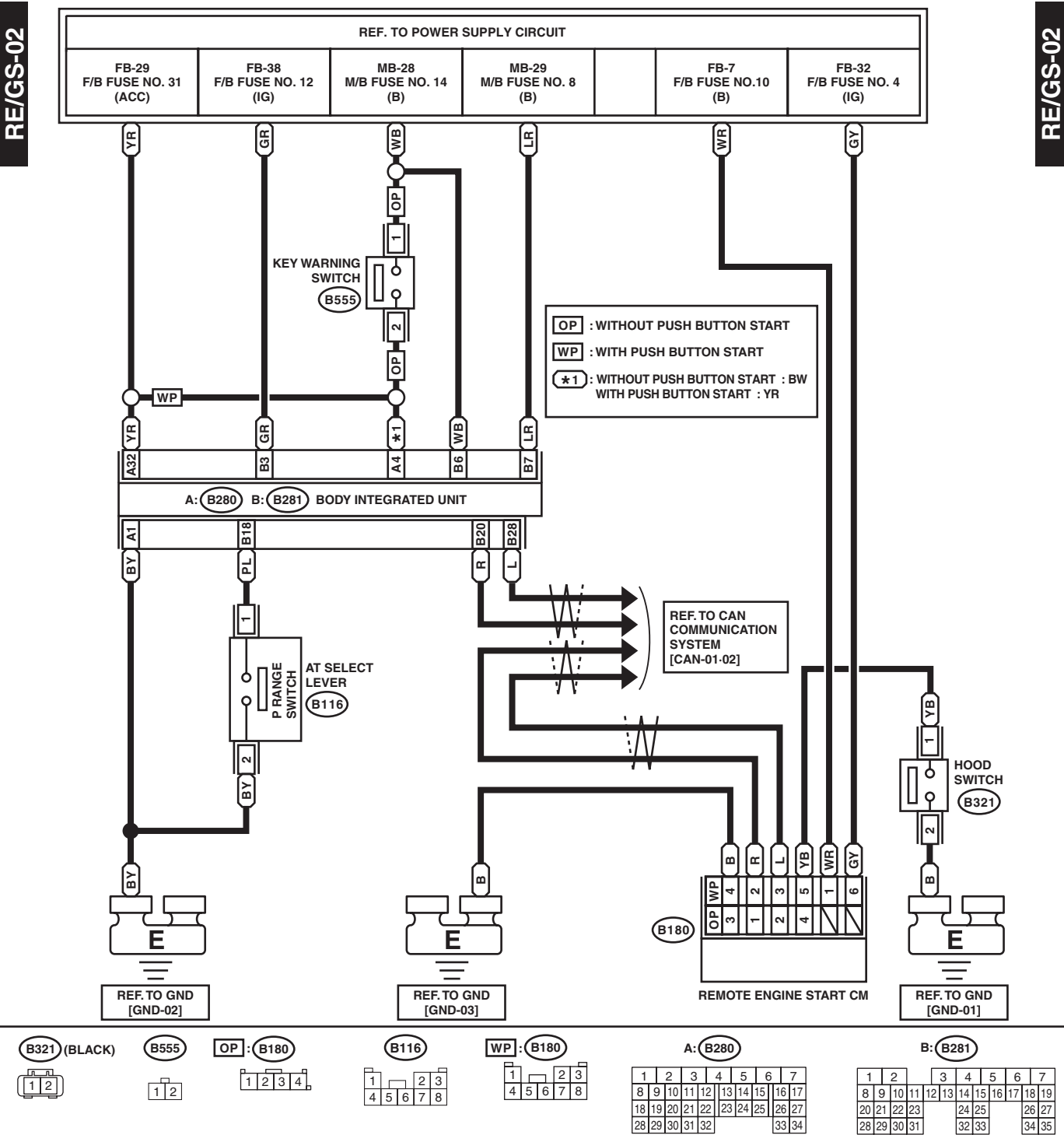
A: WIRING DIAGRAM



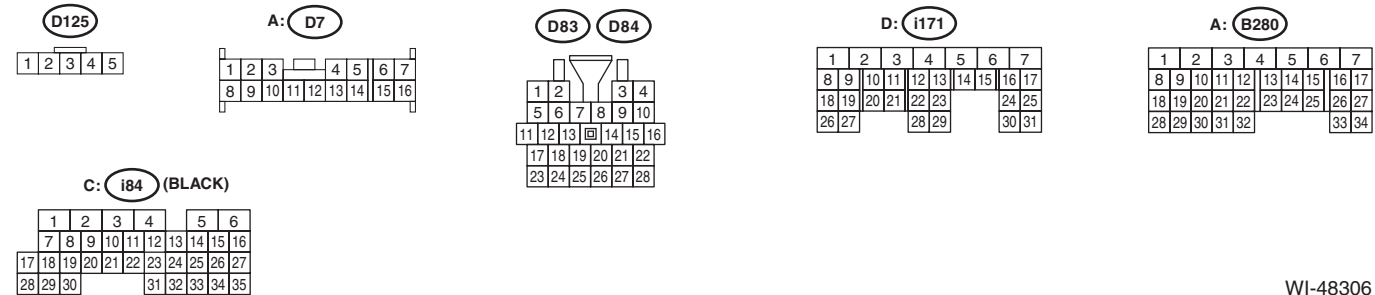
WI-48304

Remote Engine Start System

WIRING SYSTEM

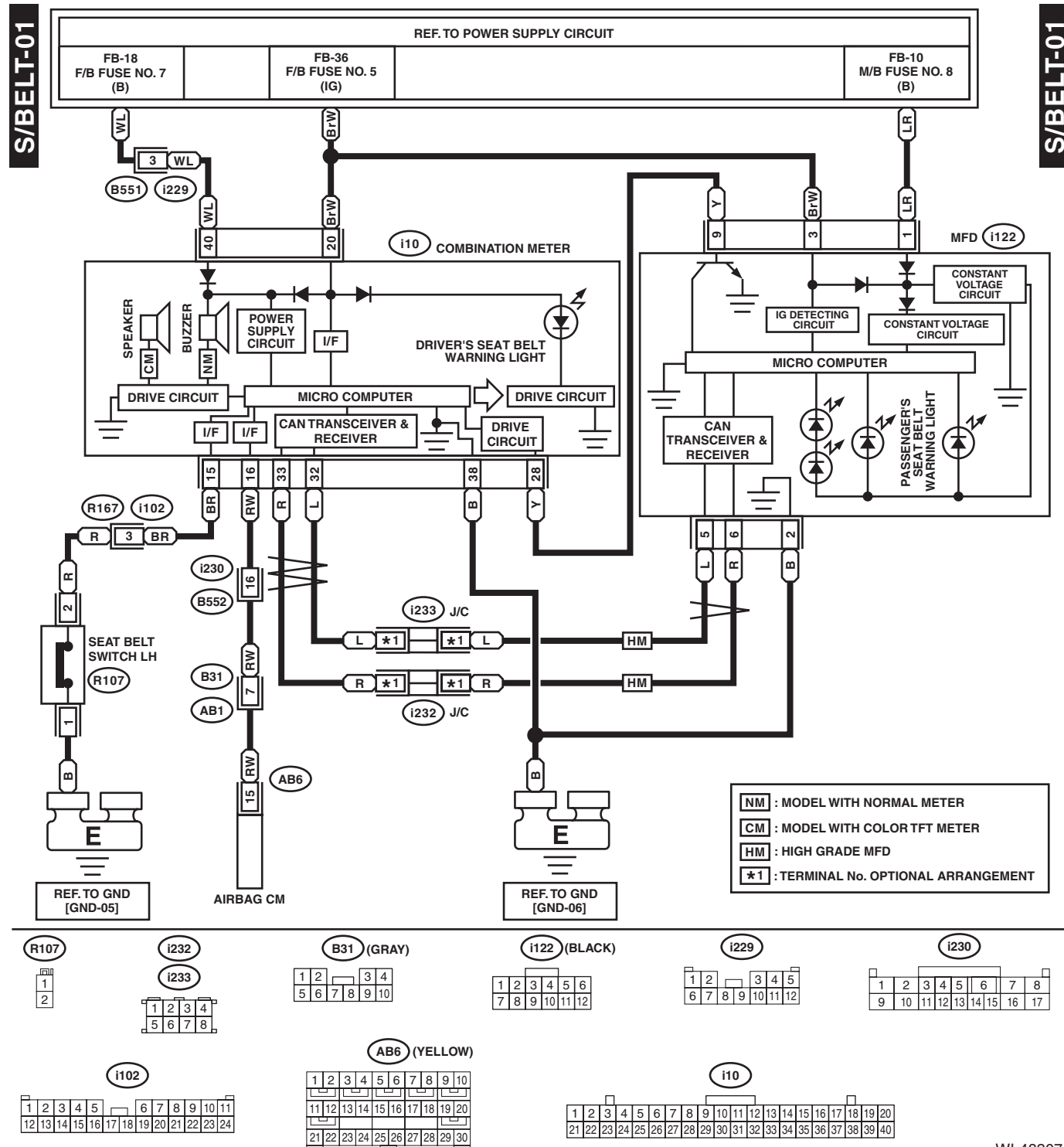


WIRING SYSTEM



45.Seat Belt Warning System

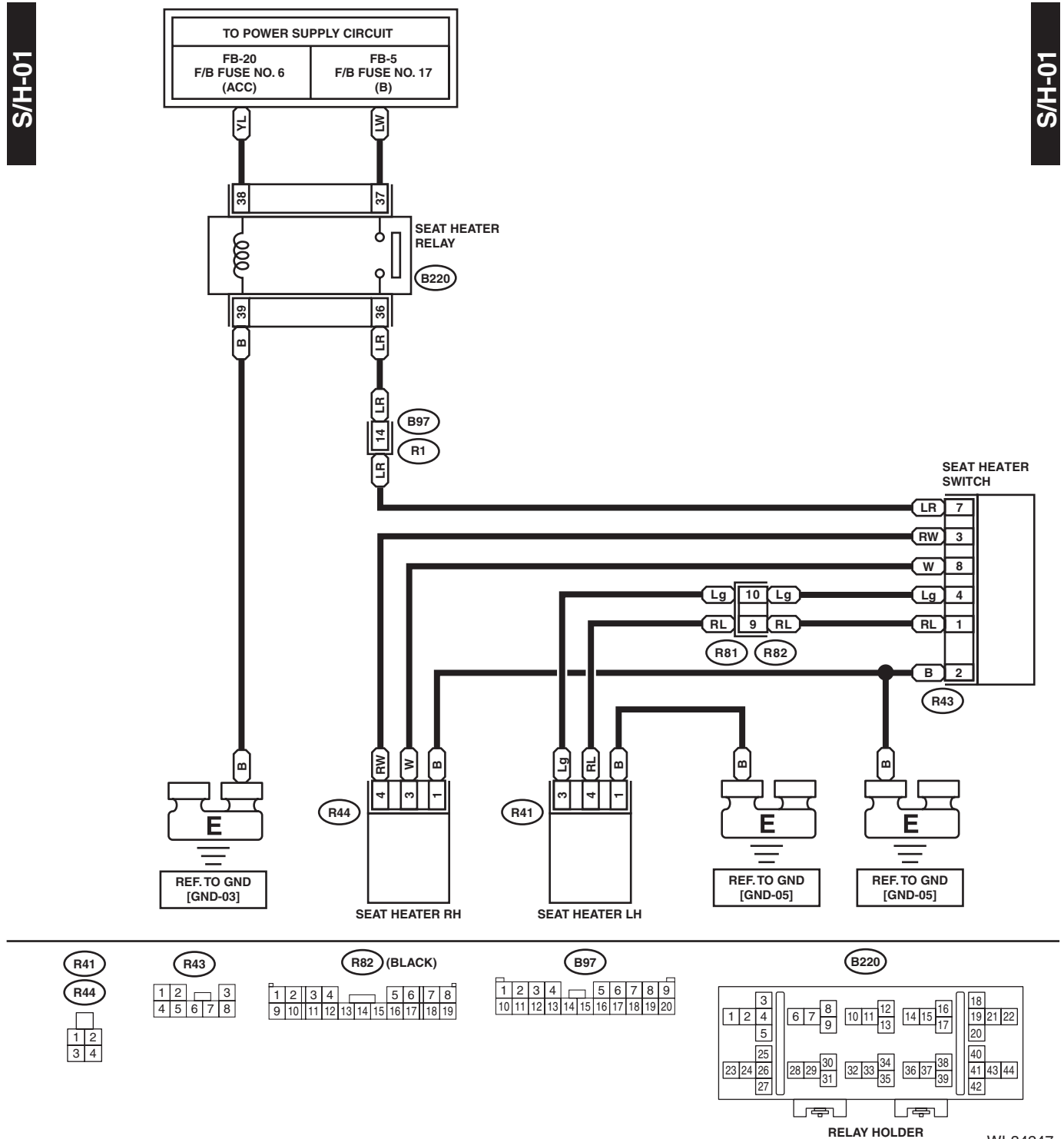
A: WIRING DIAGRAM



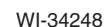
WIRING SYSTEM

46.Seat Heater System

A: WIRING DIAGRAM



1. WITHOUT PUSH BUTTON START

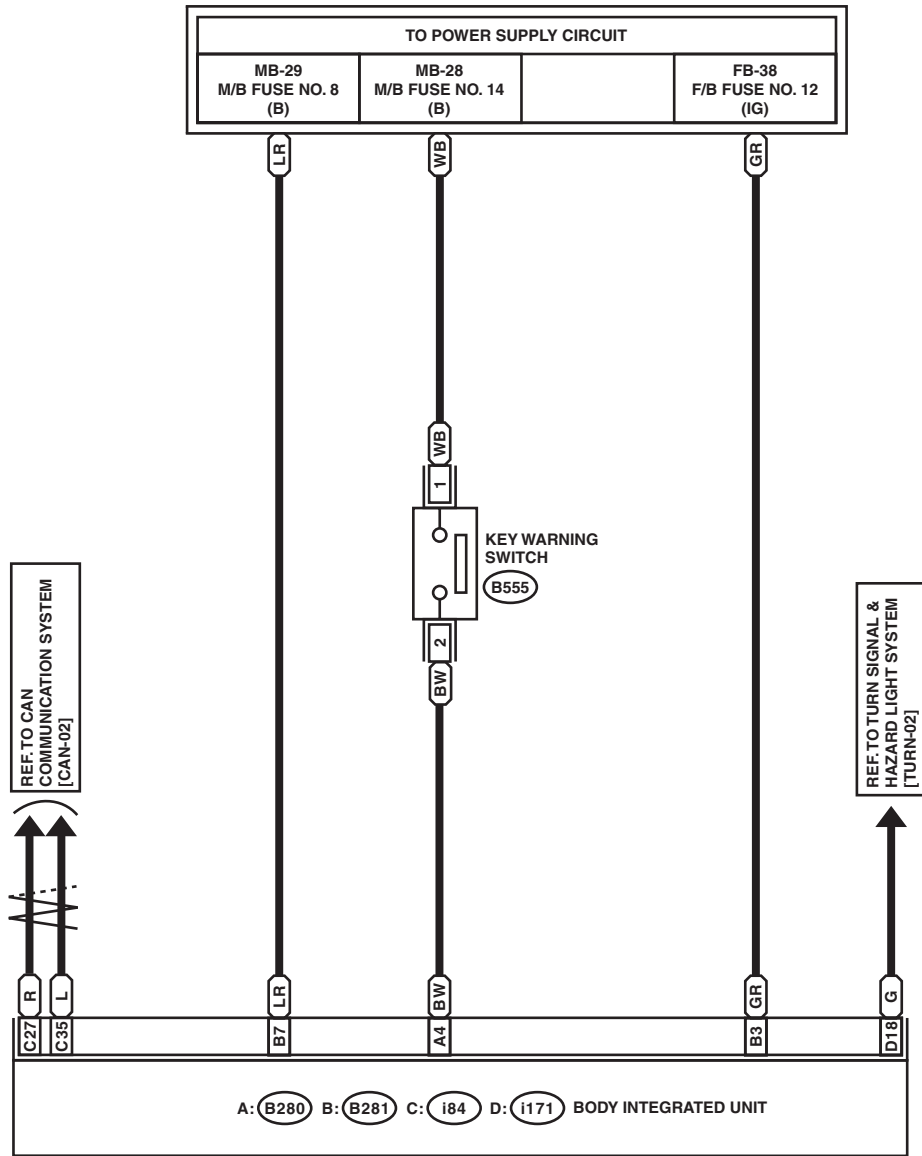


Security System

WIRING SYSTEM

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

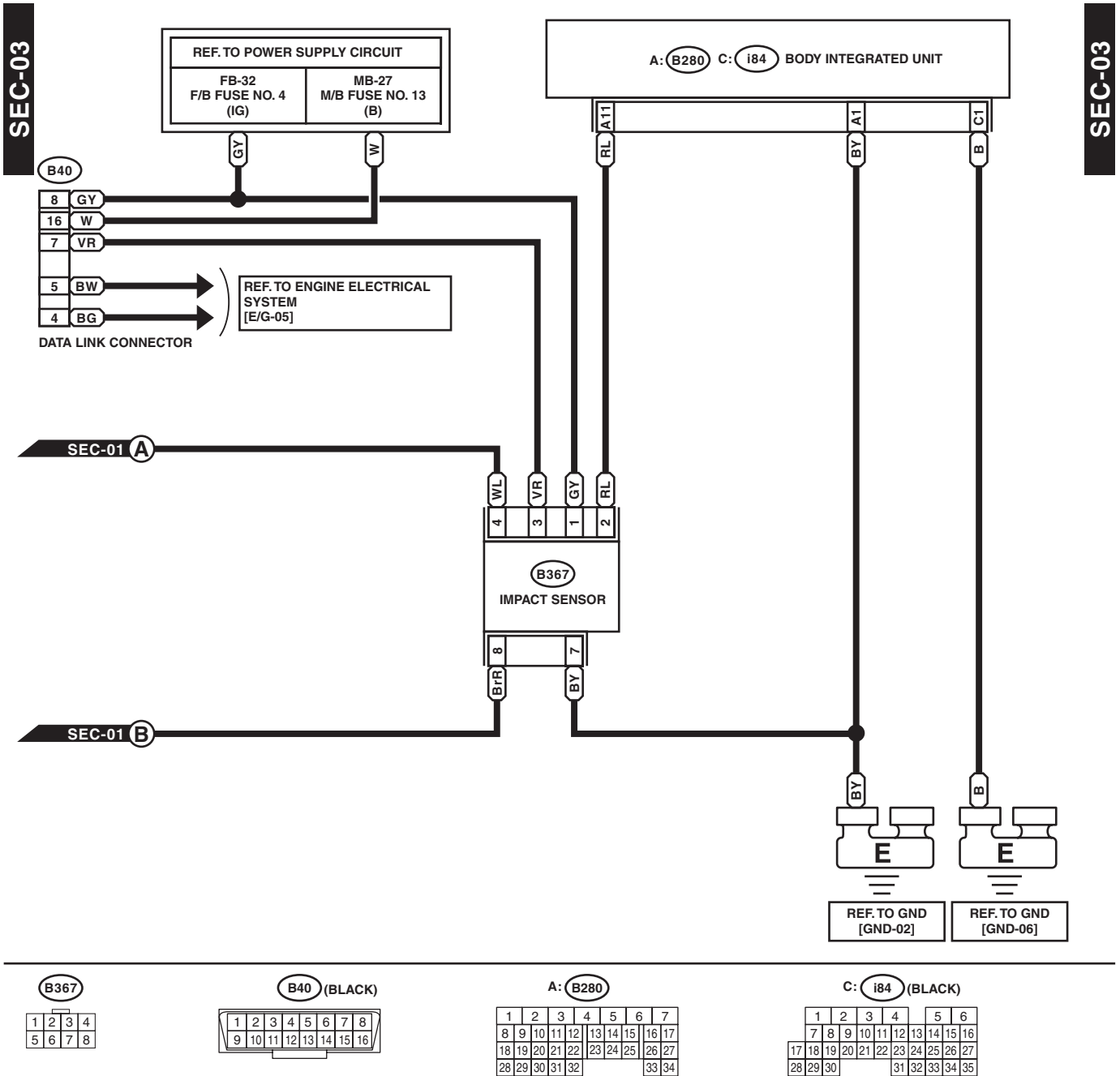
C: i84 (BLACK)

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



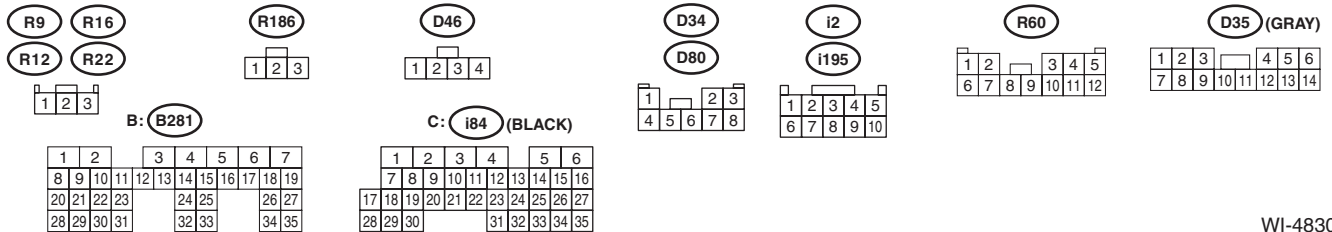
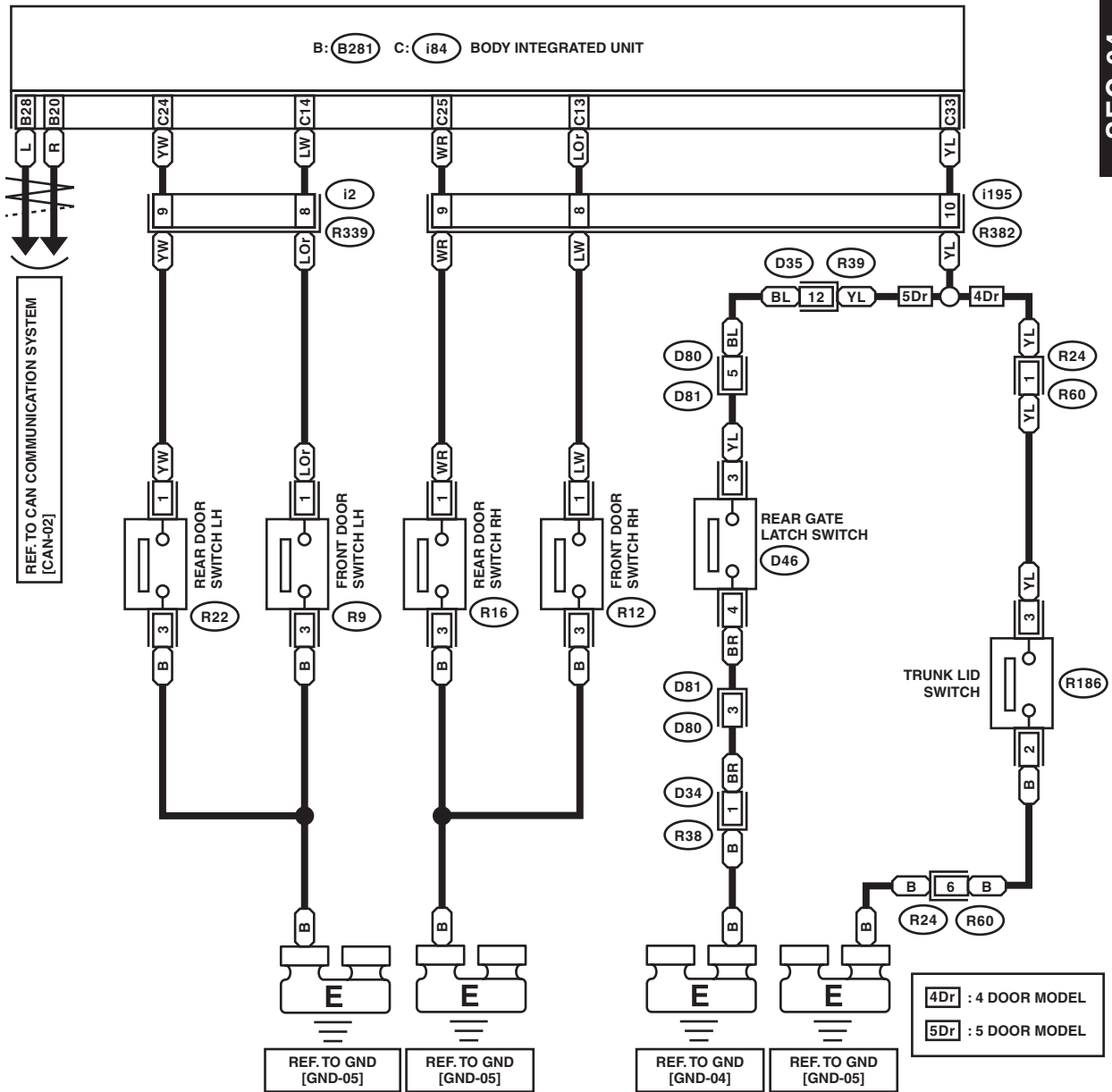
WI-48308

Security System

WIRING SYSTEM

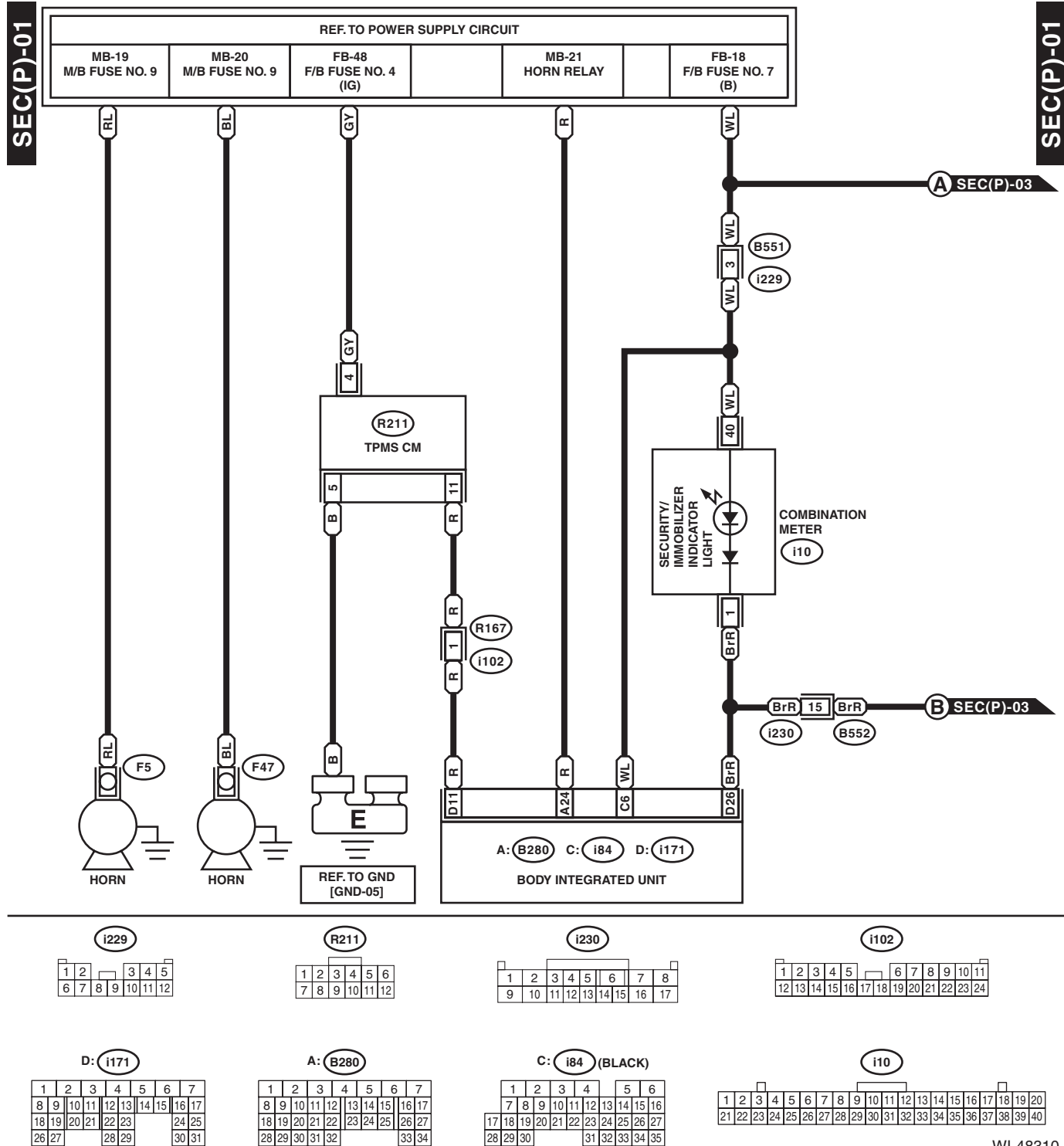
SEC-04

SEC-04



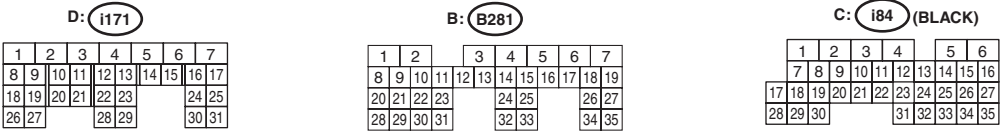
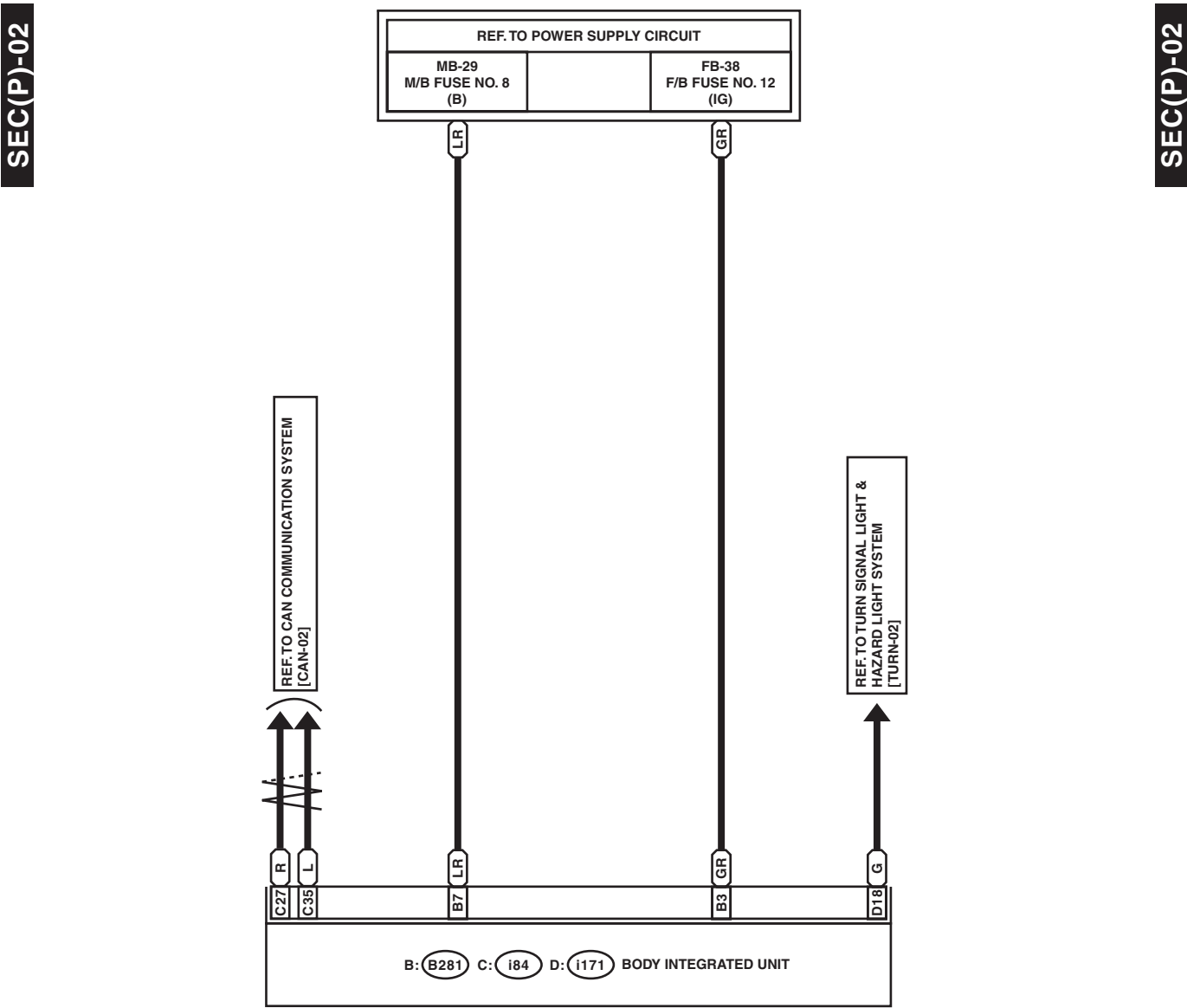
WI-48309

2. WITH PUSH BUTTON START



Security System

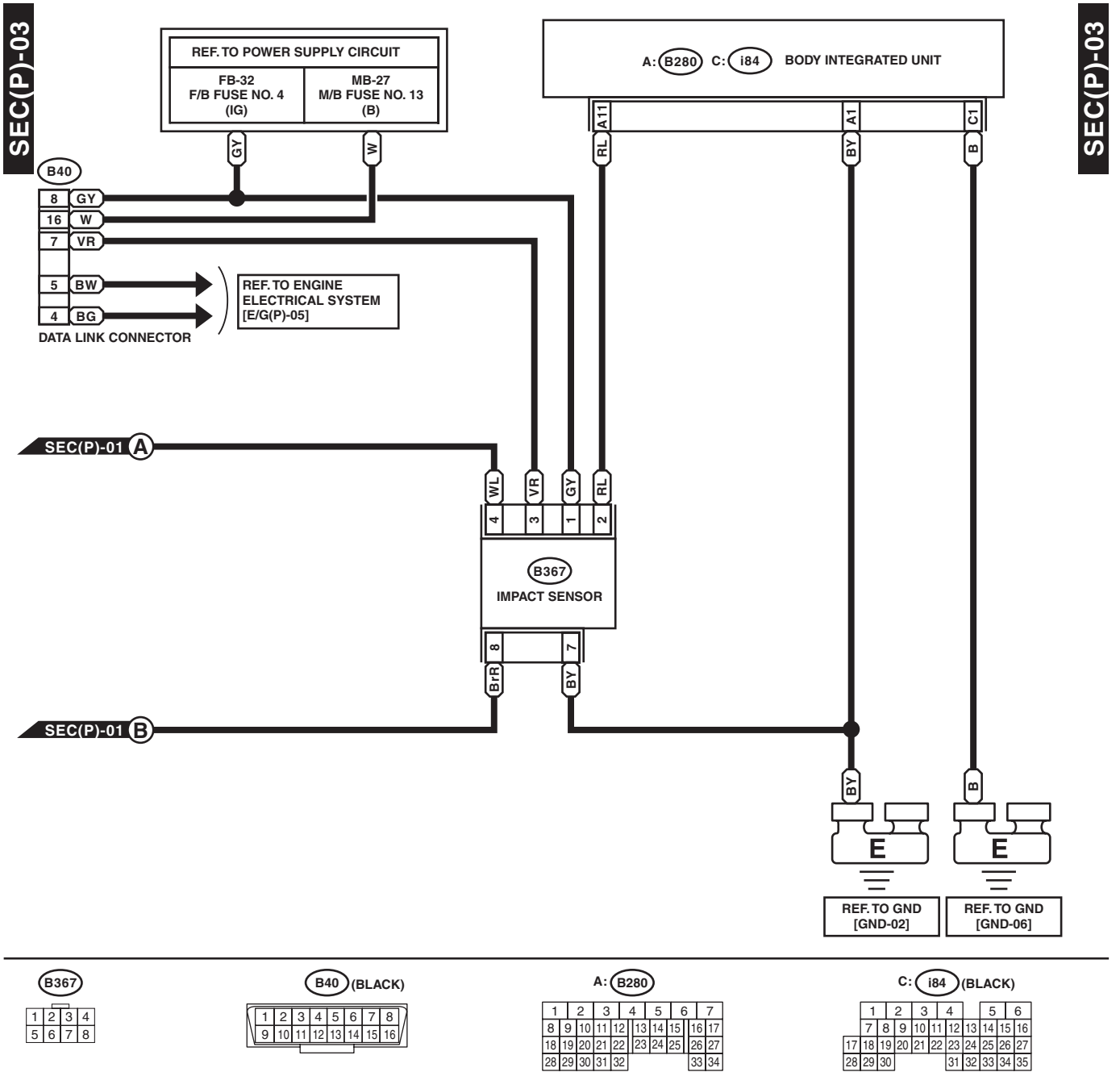
WIRING SYSTEM



WI-48311

Security System

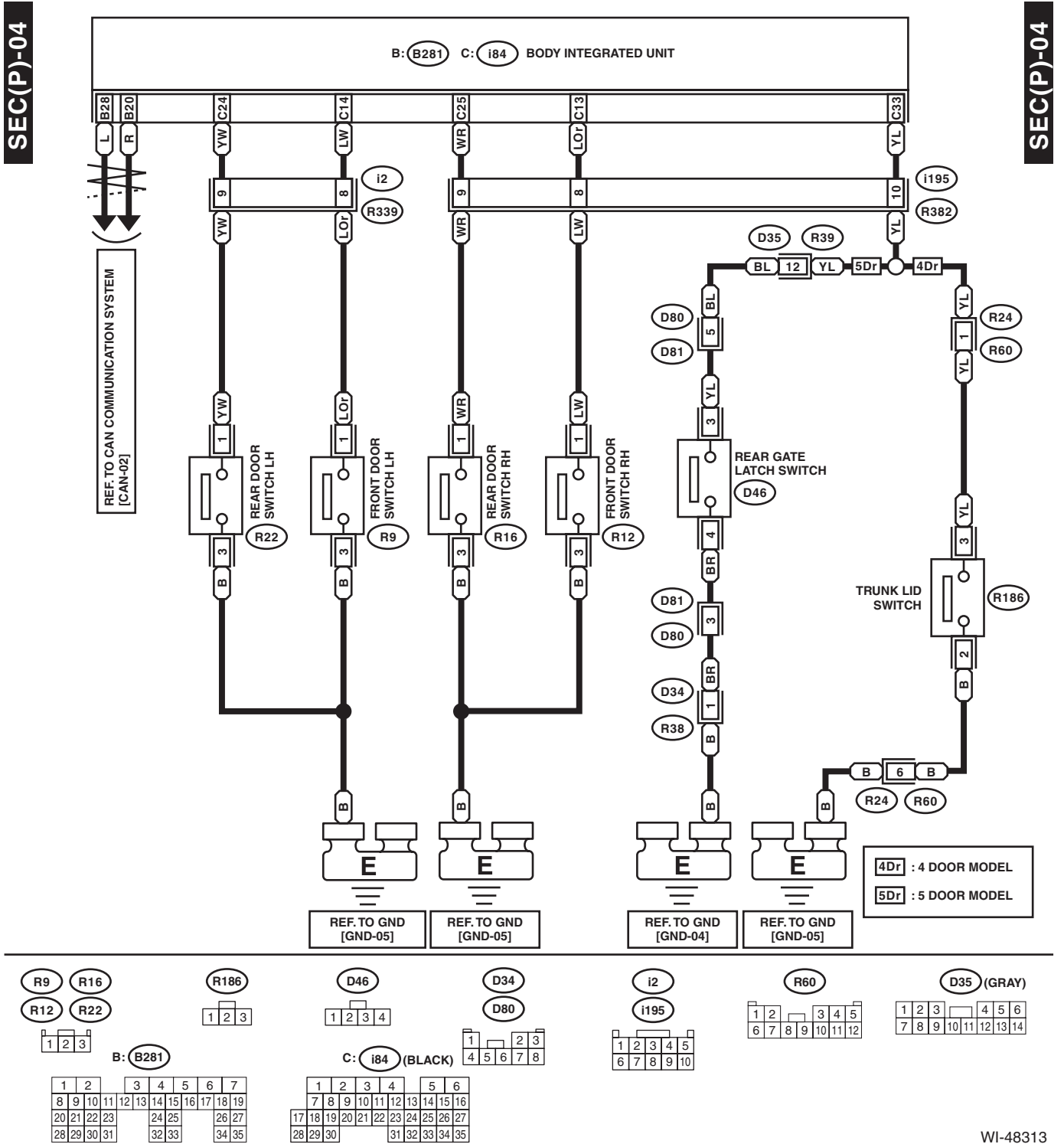
WIRING SYSTEM



WI-48312

Security System

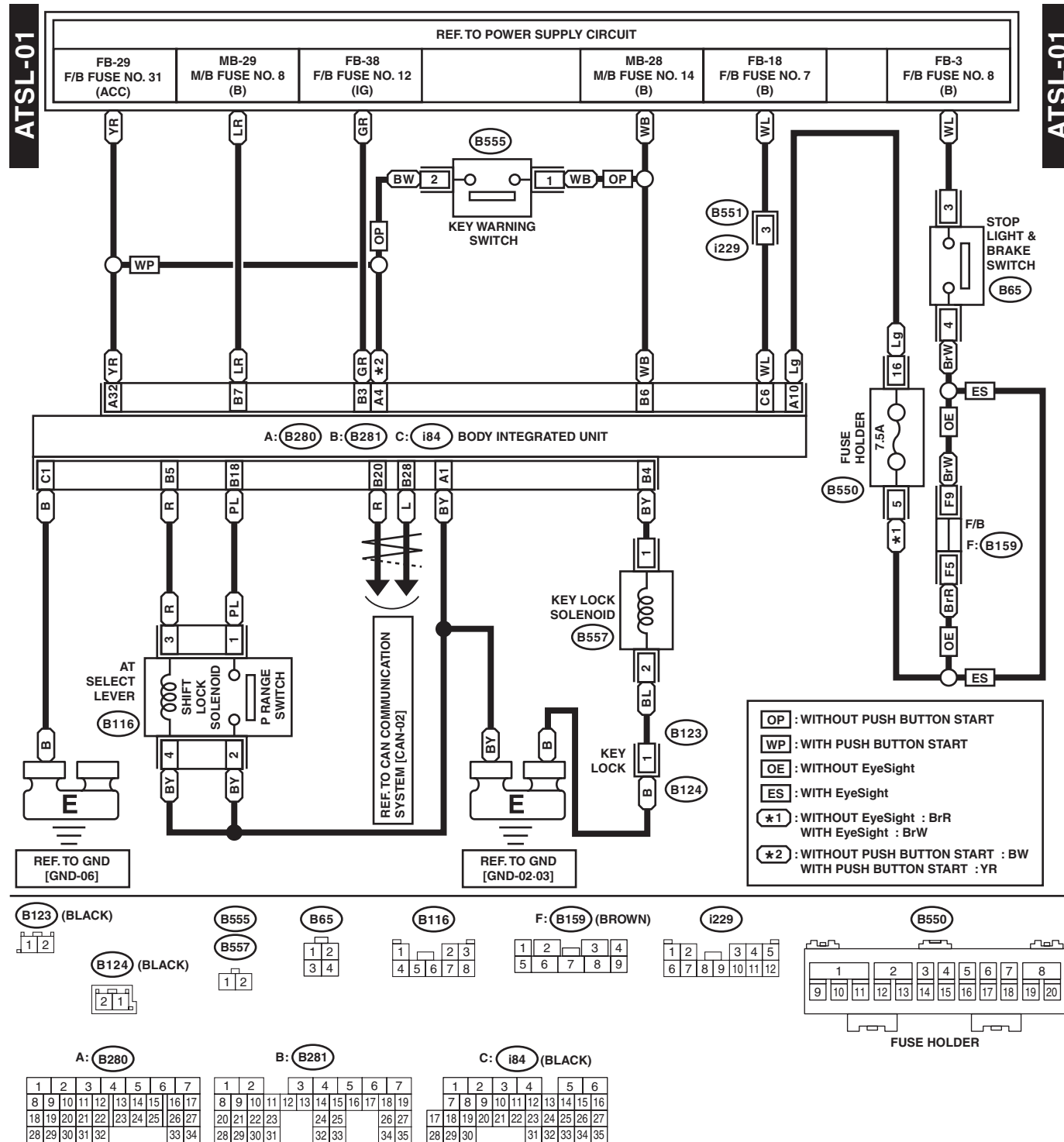
WIRING SYSTEM



WI-48313

48.Shift Lock Control System

A: WIRING DIAGRAM



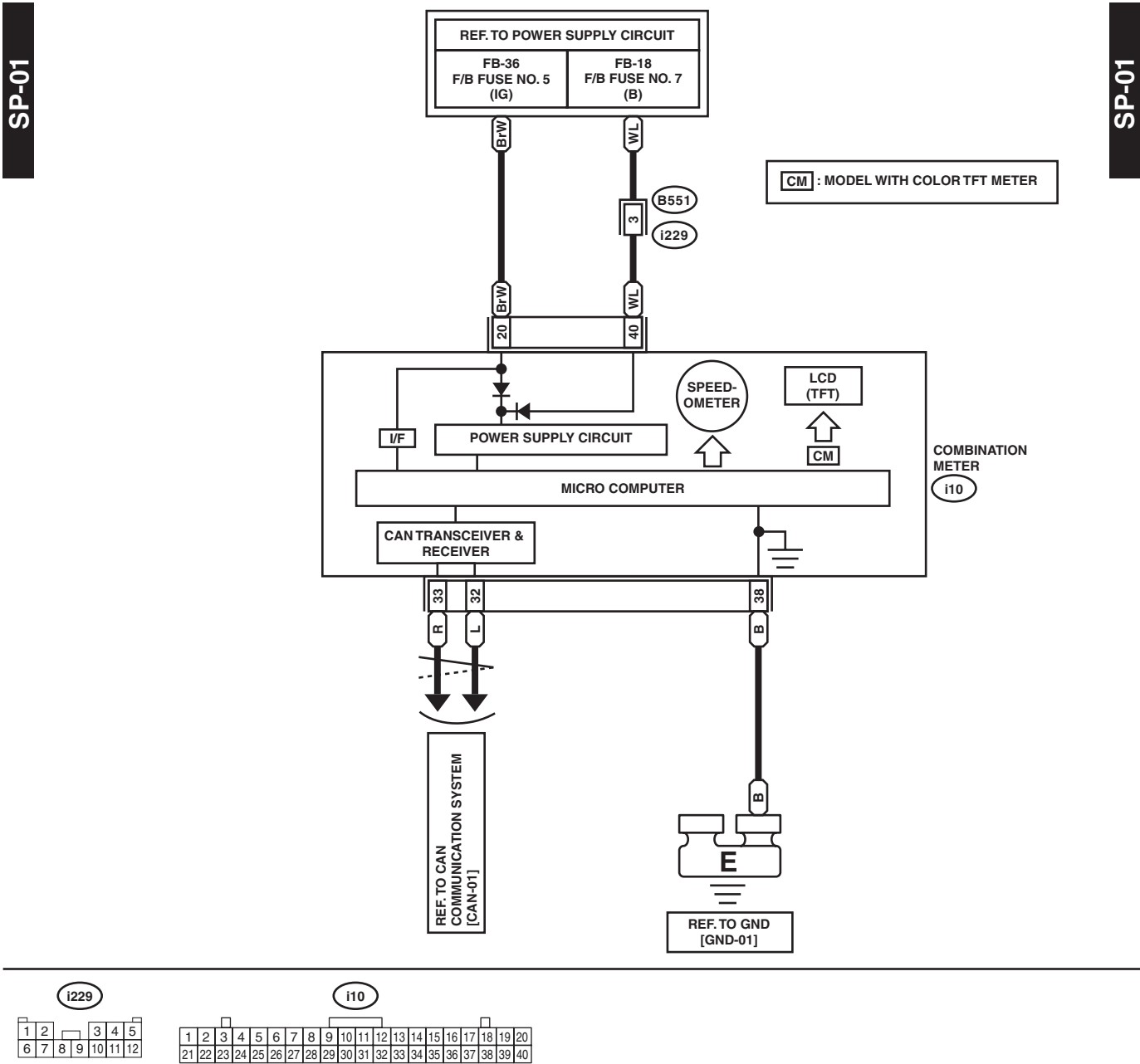
WI-48314

Speedometer System

WIRING SYSTEM

49.Speedometer System

A: WIRING DIAGRAM

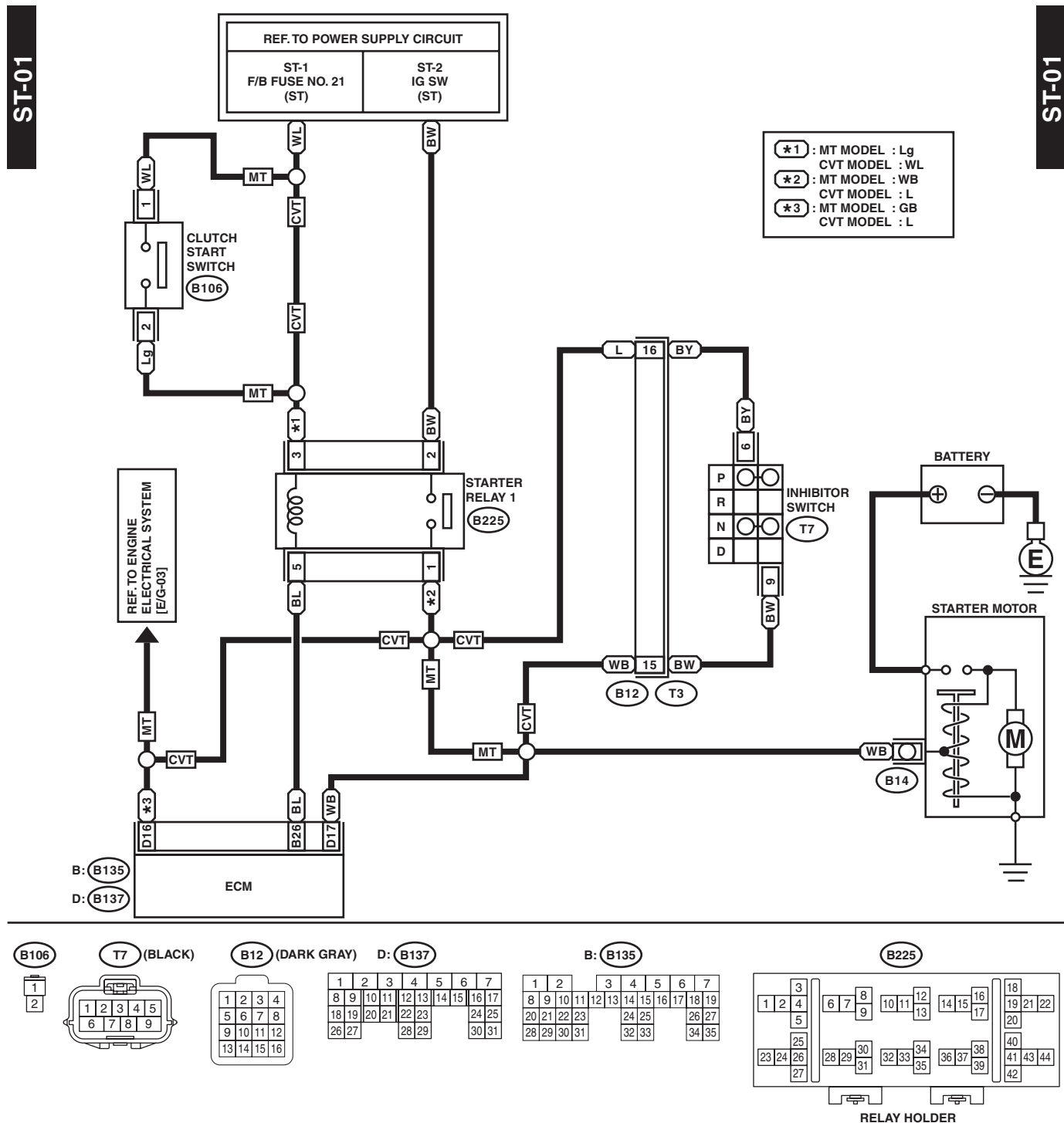


WI-48315

50.Starter System

A: WIRING DIAGRAM

1. WITHOUT PUSH BUTTON START

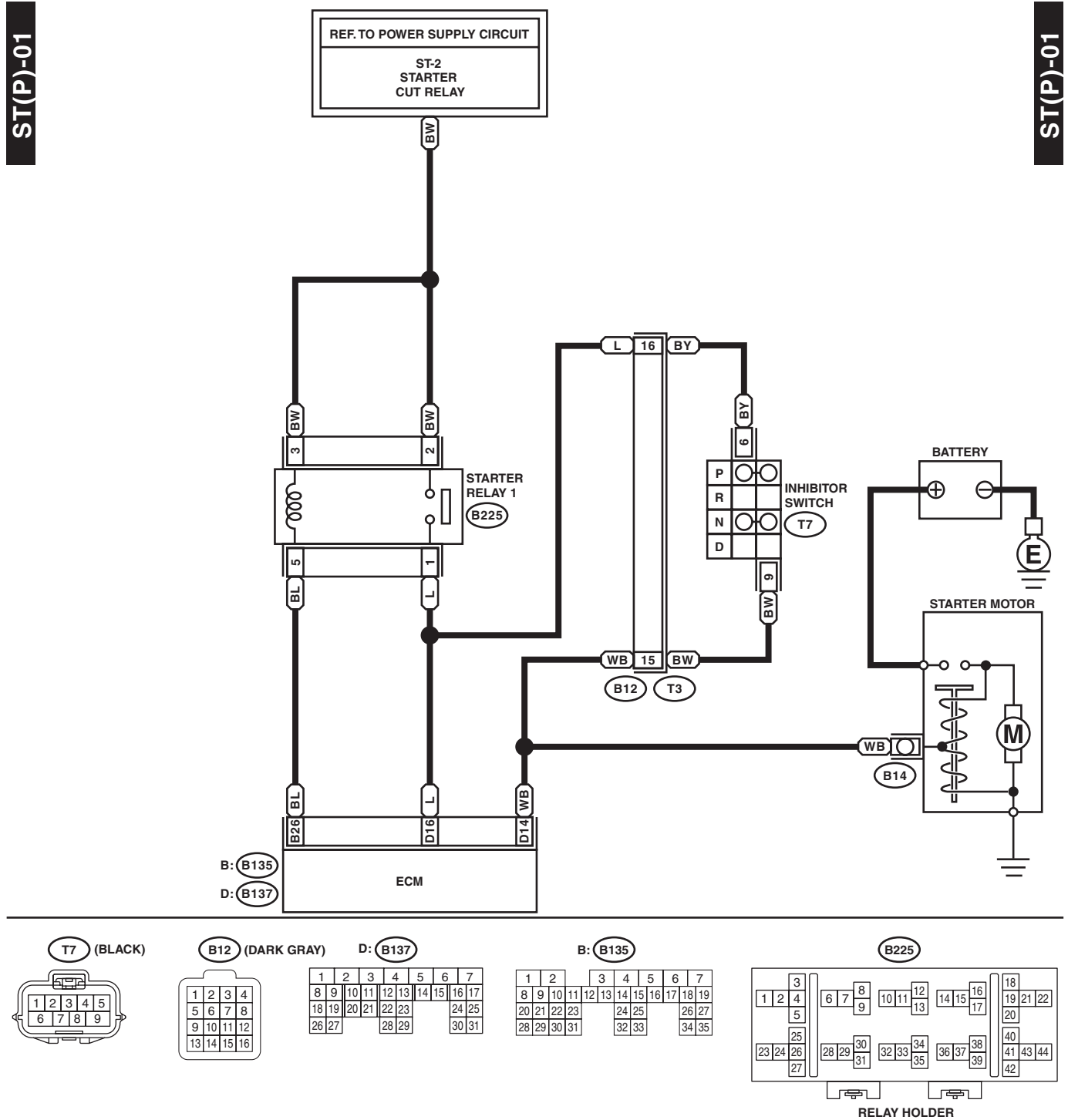


WI-48316

Starter System

WIRING SYSTEM

2. WITH PUSH BUTTON START

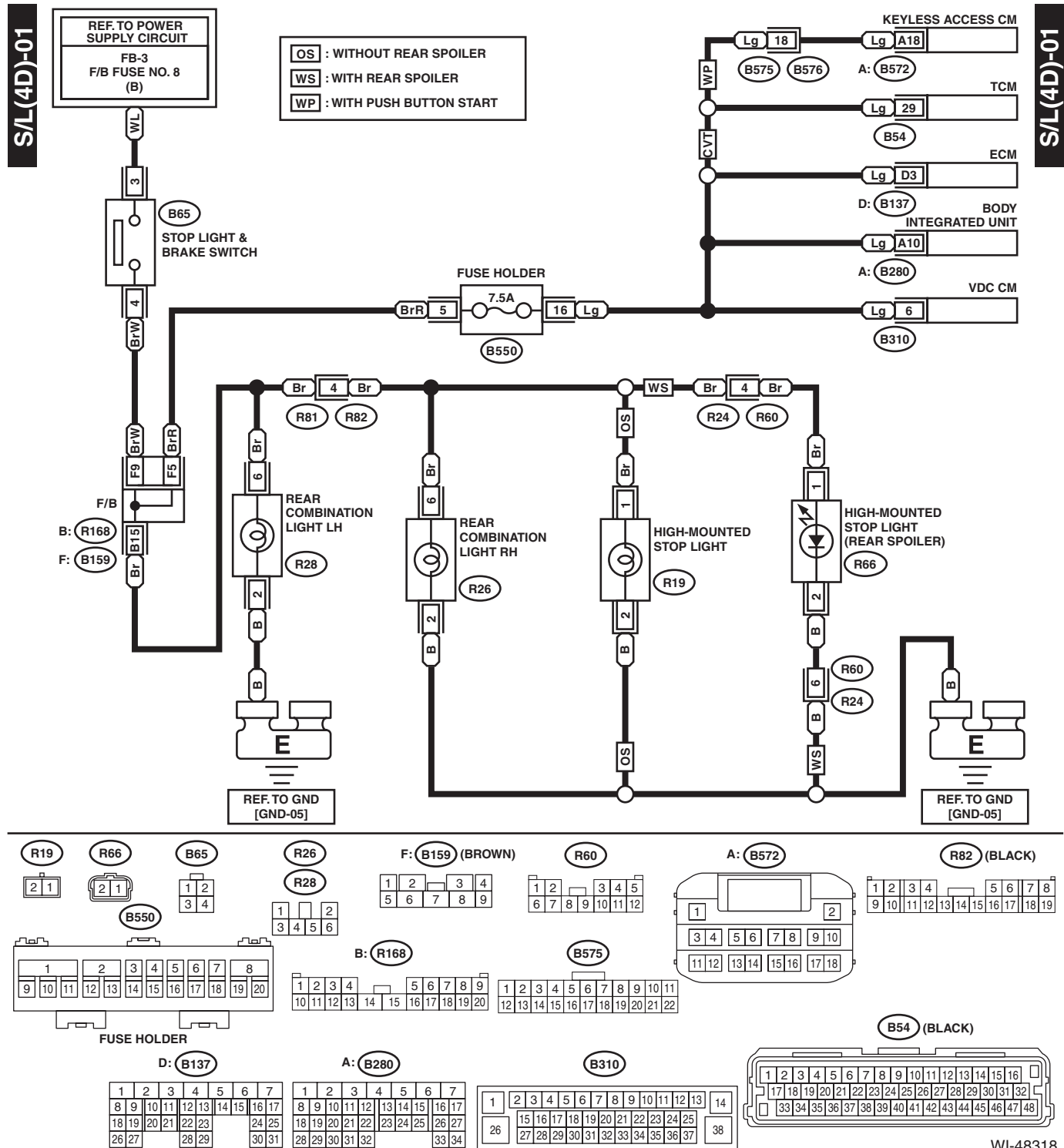


WI-48317

51.Stop Light System

A: WIRING DIAGRAM

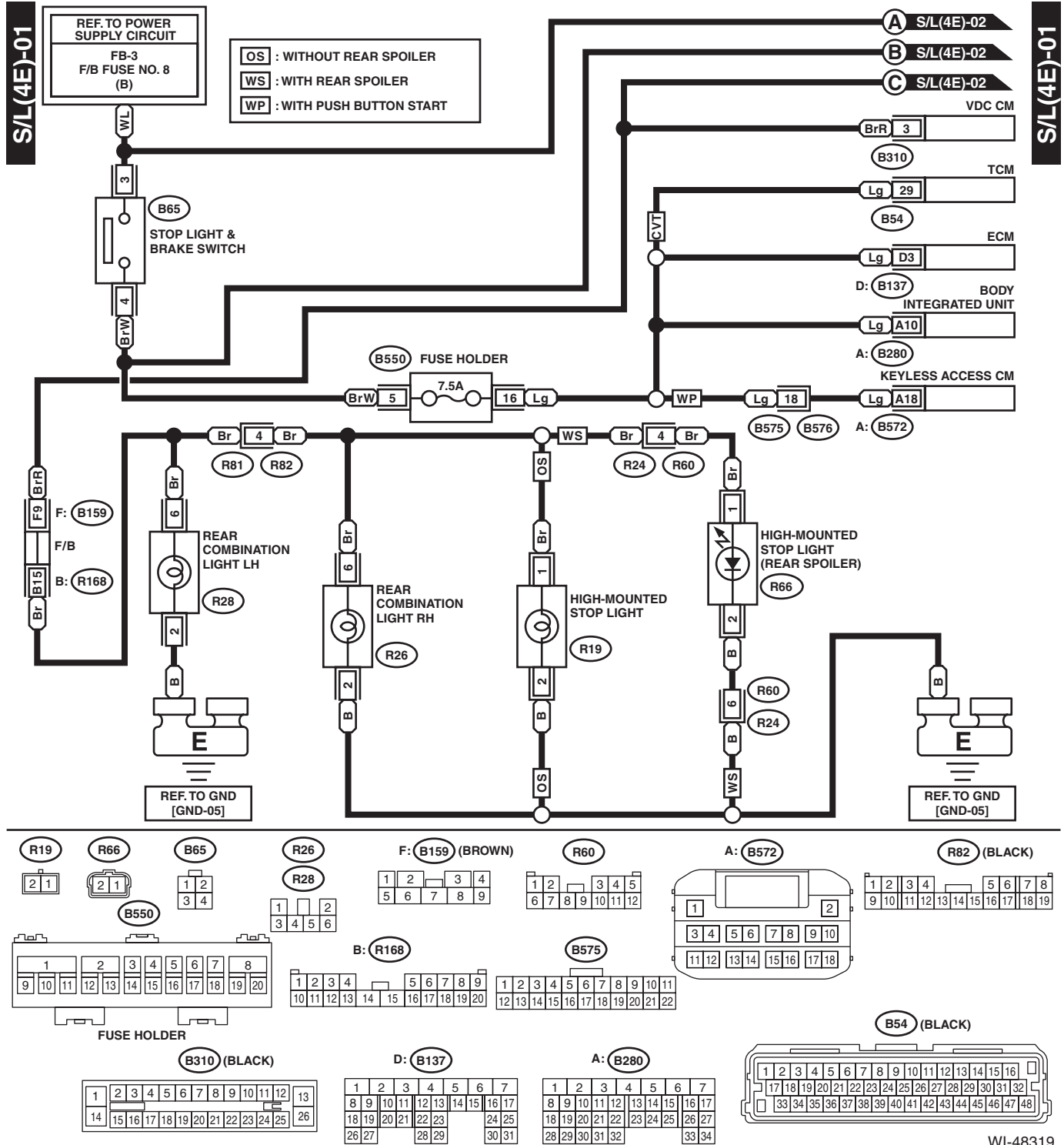
1. 4 DOOR MODEL (WITHOUT EyeSight)



Stop Light System

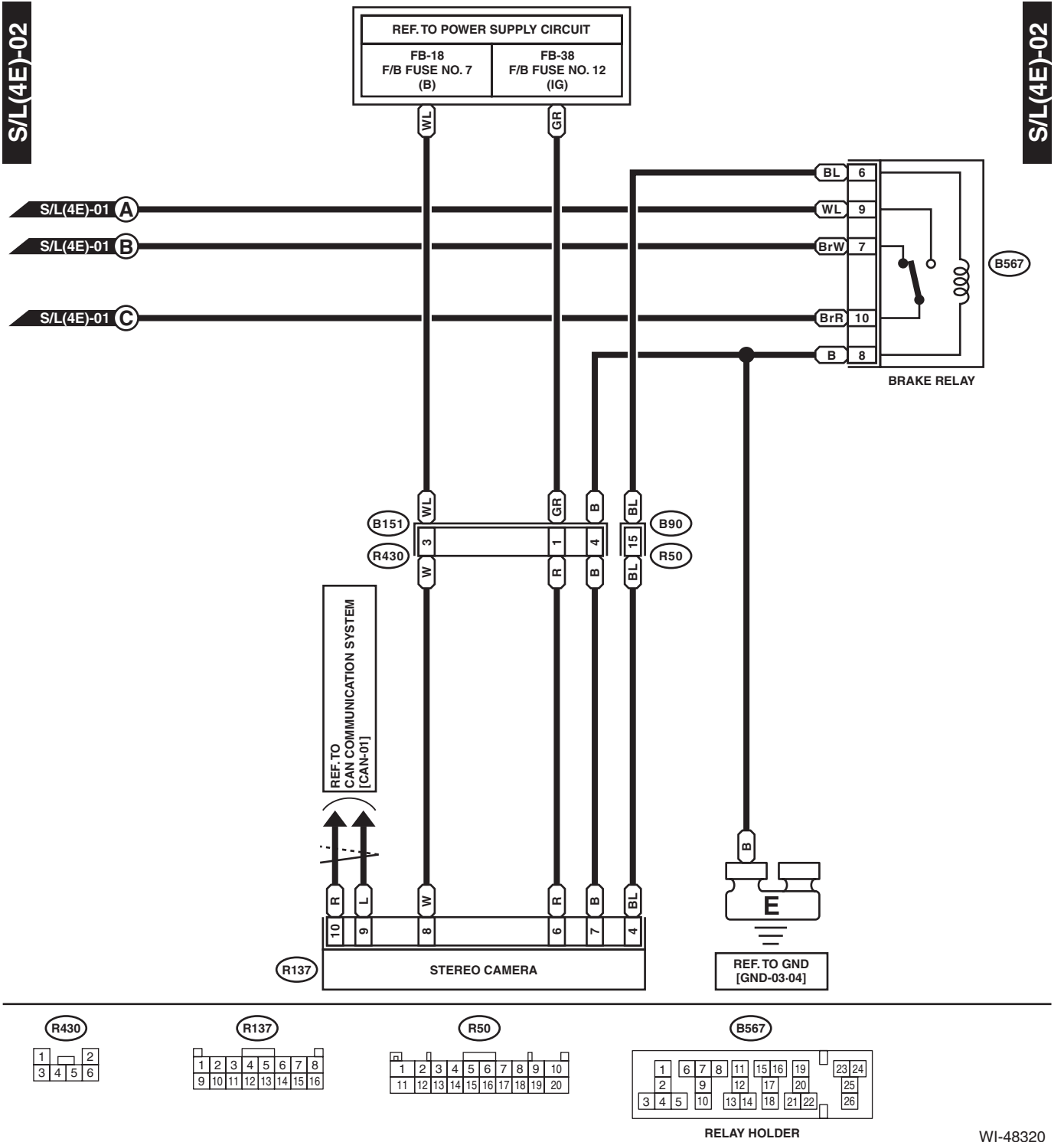
WIRING SYSTEM

2. 4 DOOR MODEL (WITH EyeSight)



Stop Light System

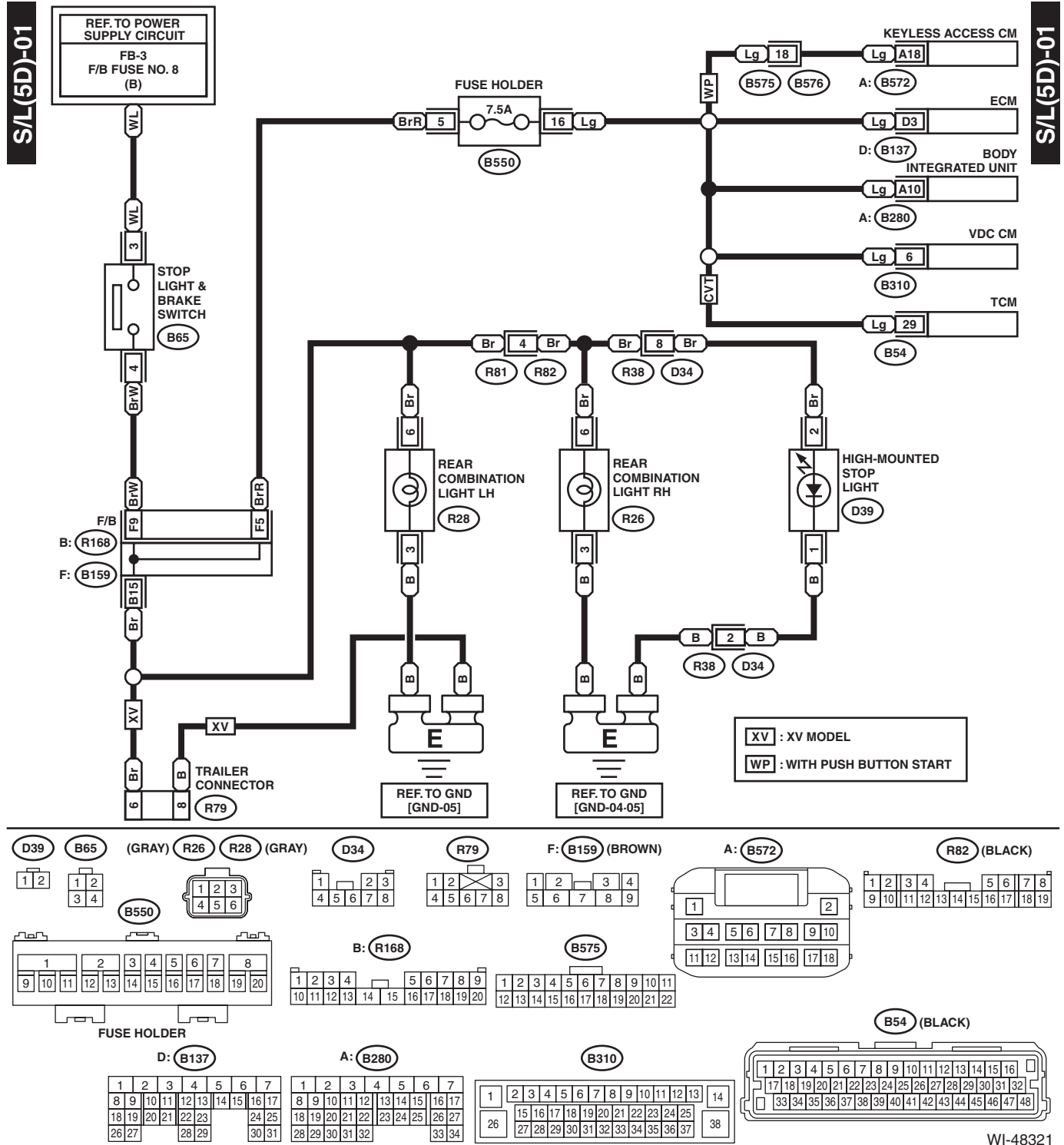
WIRING SYSTEM



Stop Light System

WIRING SYSTEM

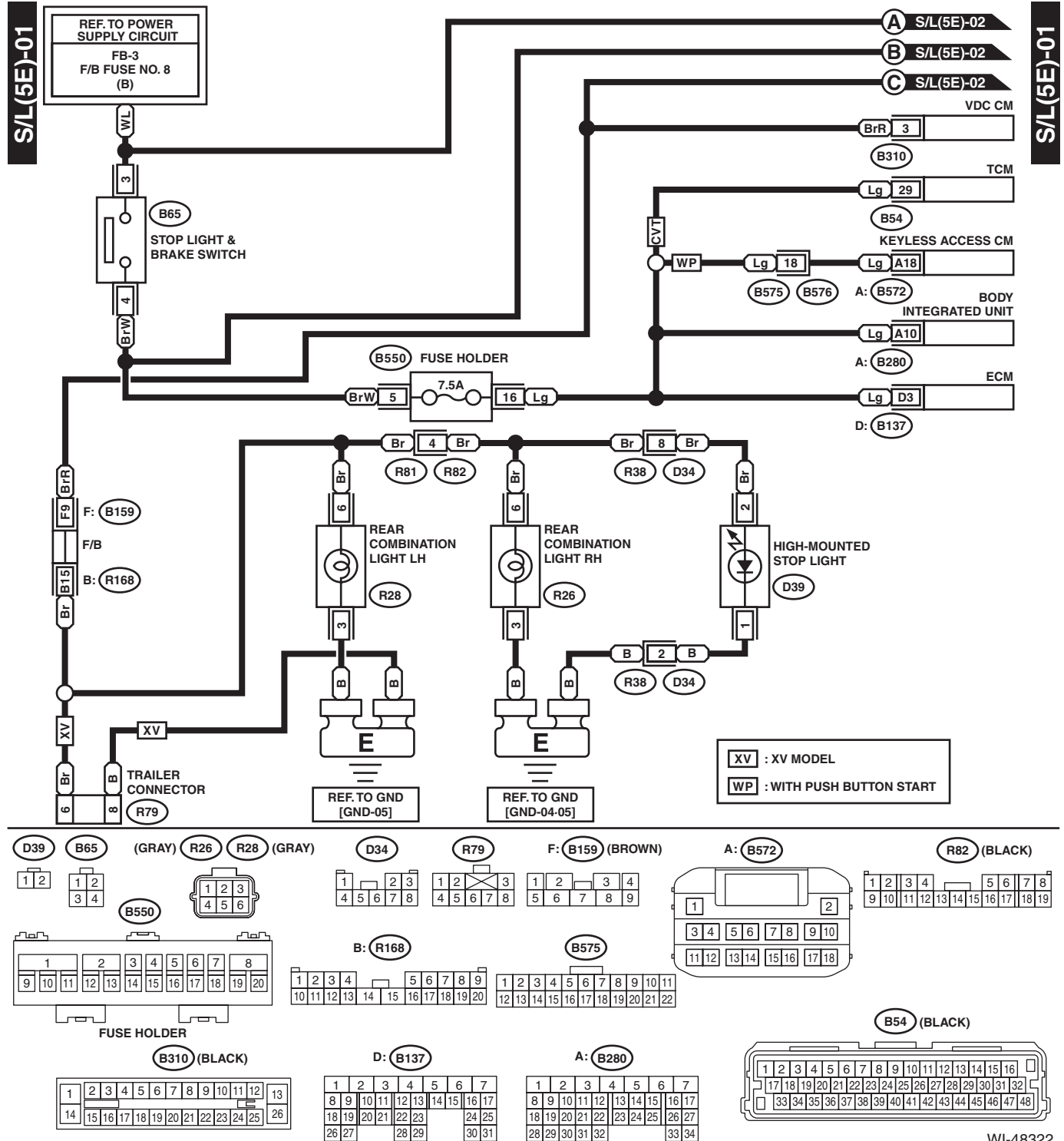
3. 5 DOOR MODEL (WITHOUT EyeSight)



Stop Light System

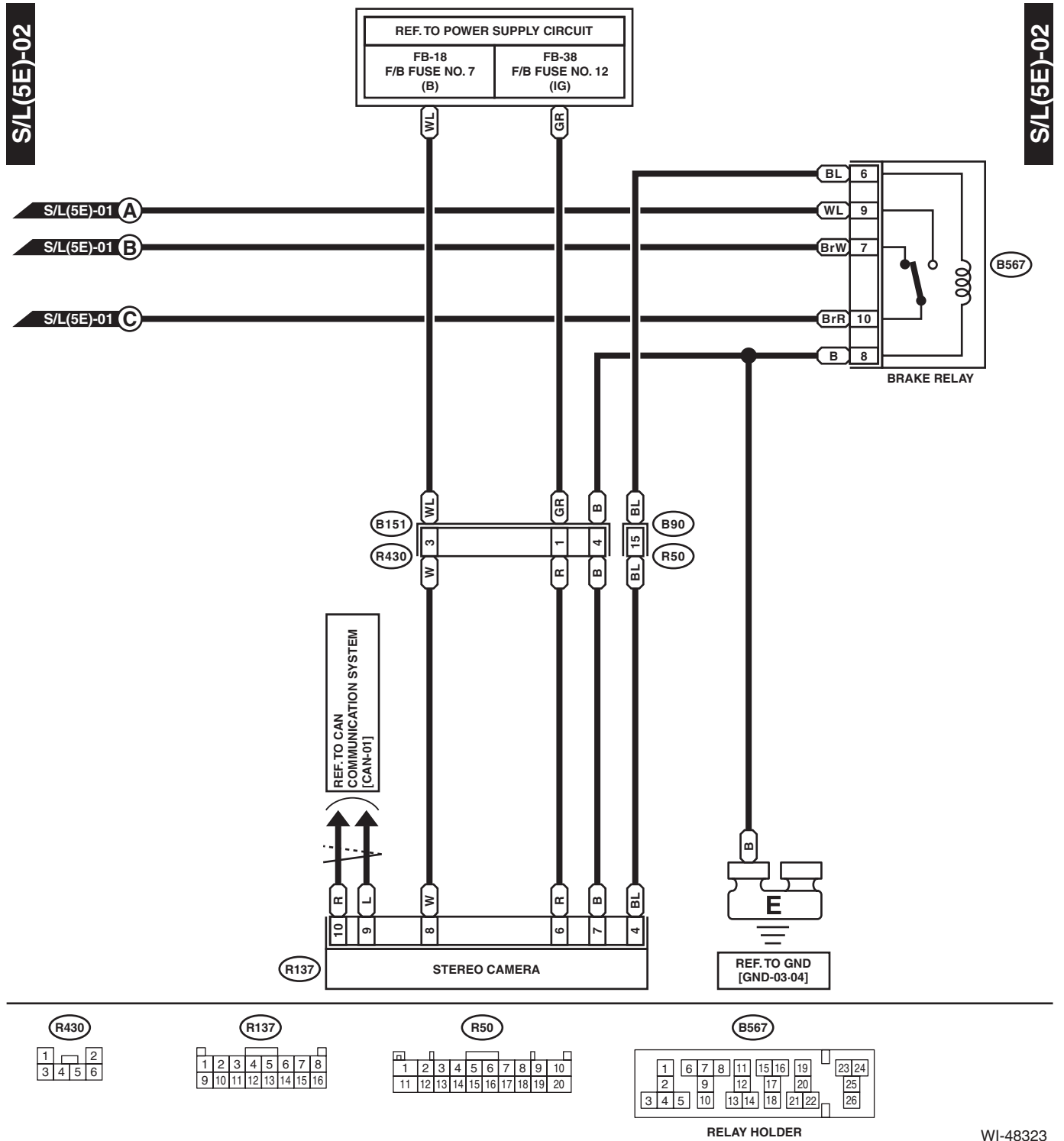
WIRING SYSTEM

4. 5 DOOR MODEL (WITH EyeSight)



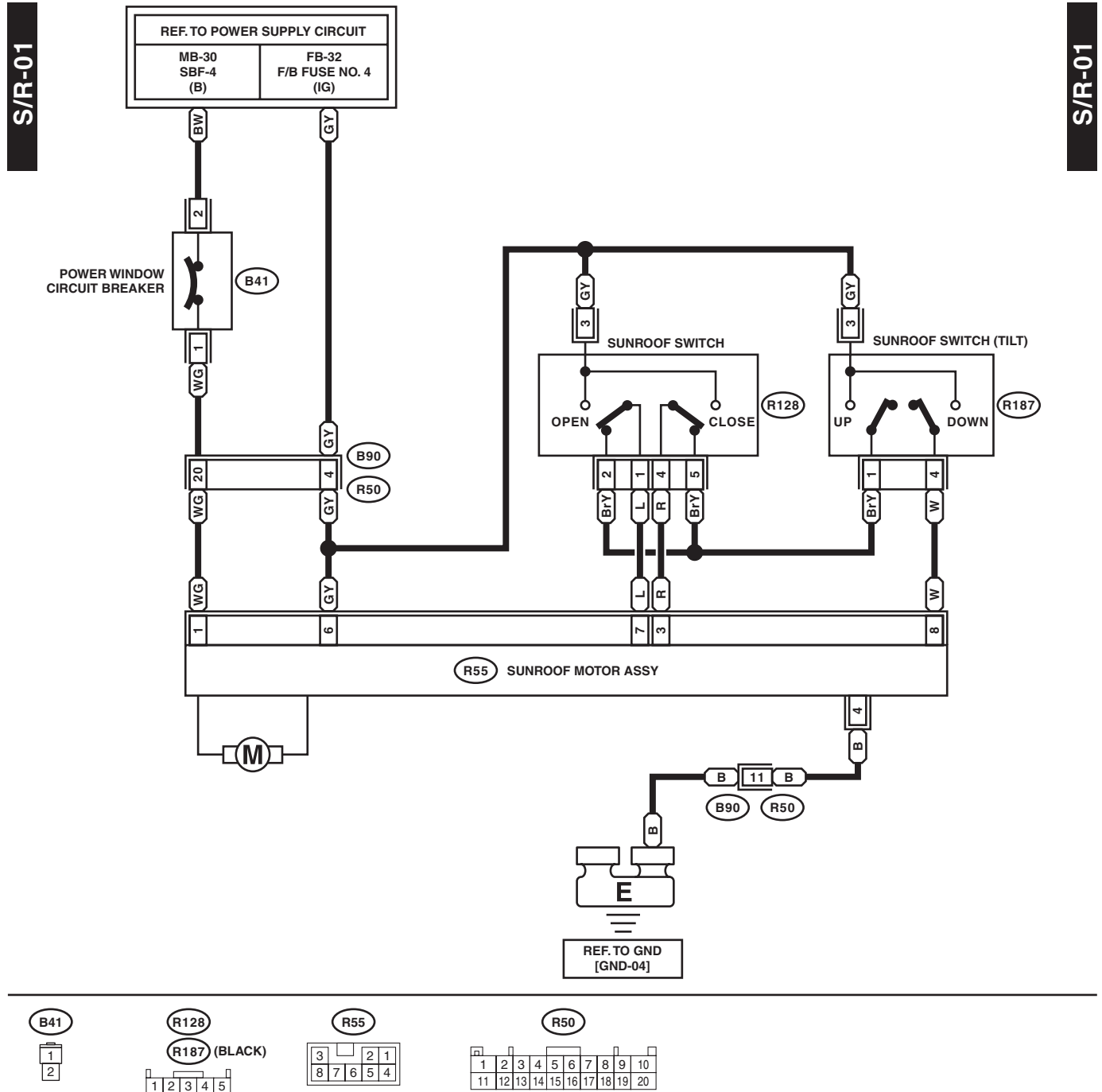
Stop Light System

WIRING SYSTEM



52.Sunroof Control System

A: WIRING DIAGRAM



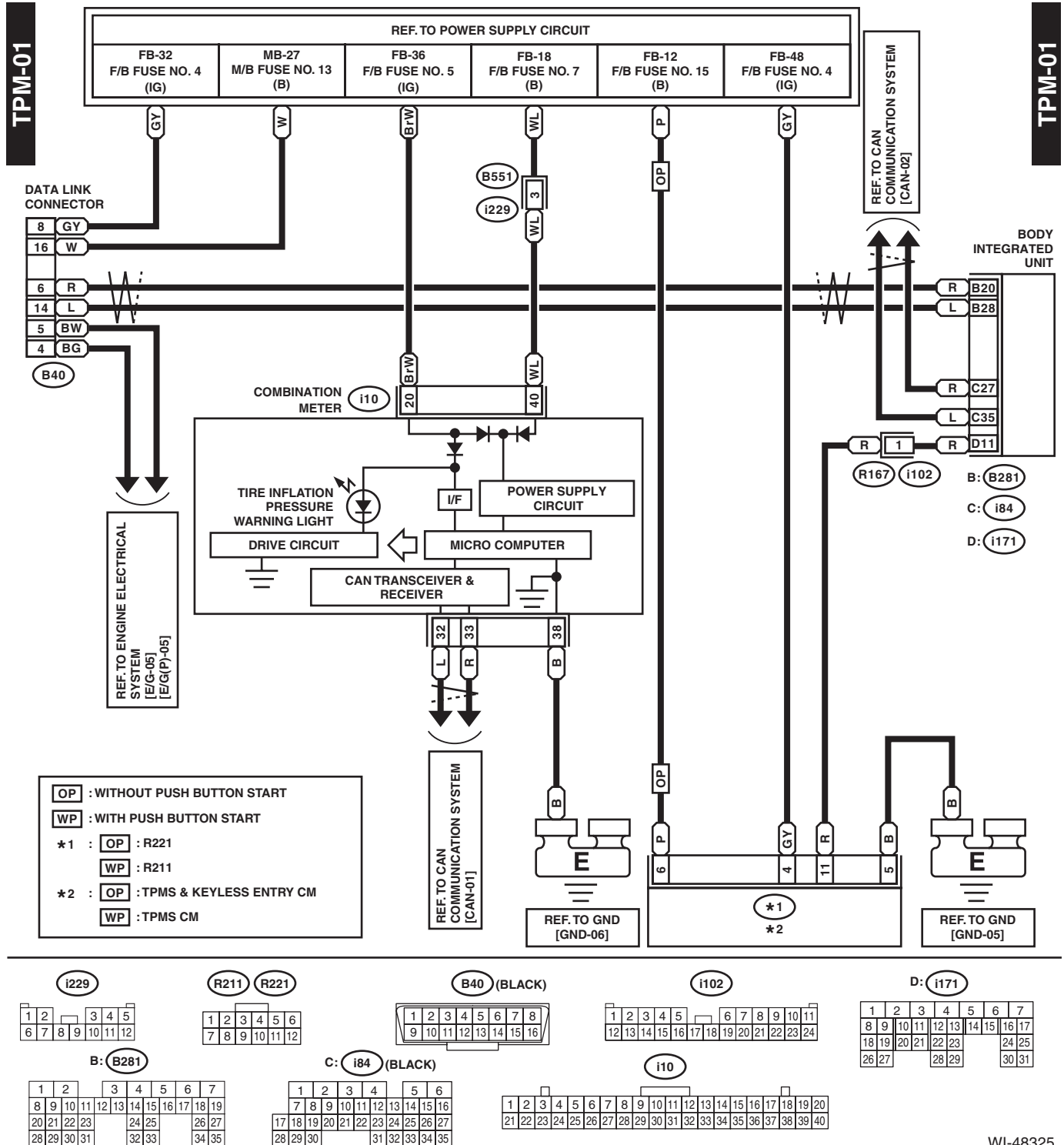
WI-48324

Tire Pressure Monitoring System

WIRING SYSTEM

53. Tire Pressure Monitoring System

A: WIRING DIAGRAM



A: WIRING DIAGRAM

TURN-01

TURN-01

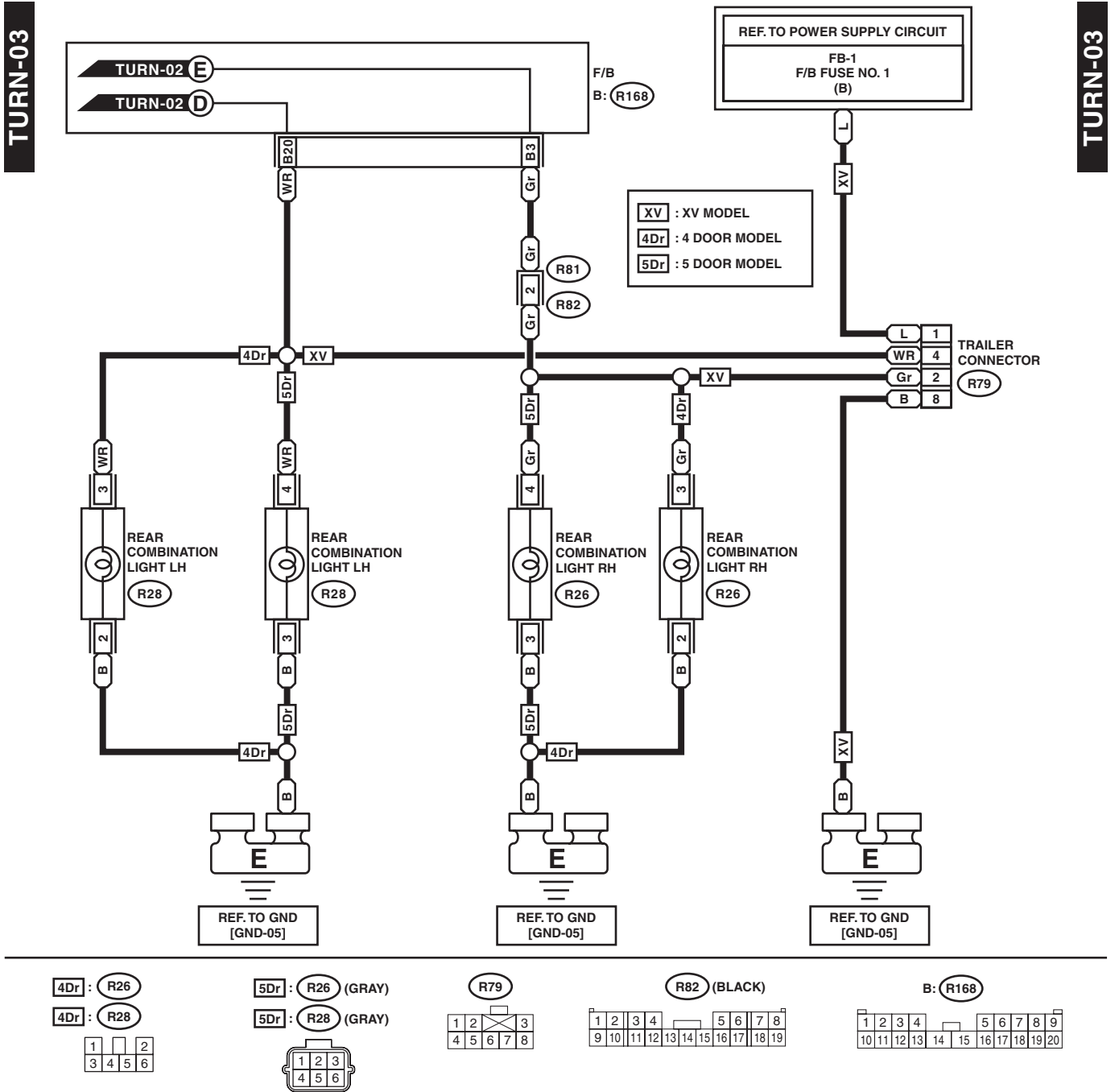


WIRING SYSTEM



Turn Signal Light and Hazard Light System

WIRING SYSTEM



WI-48736

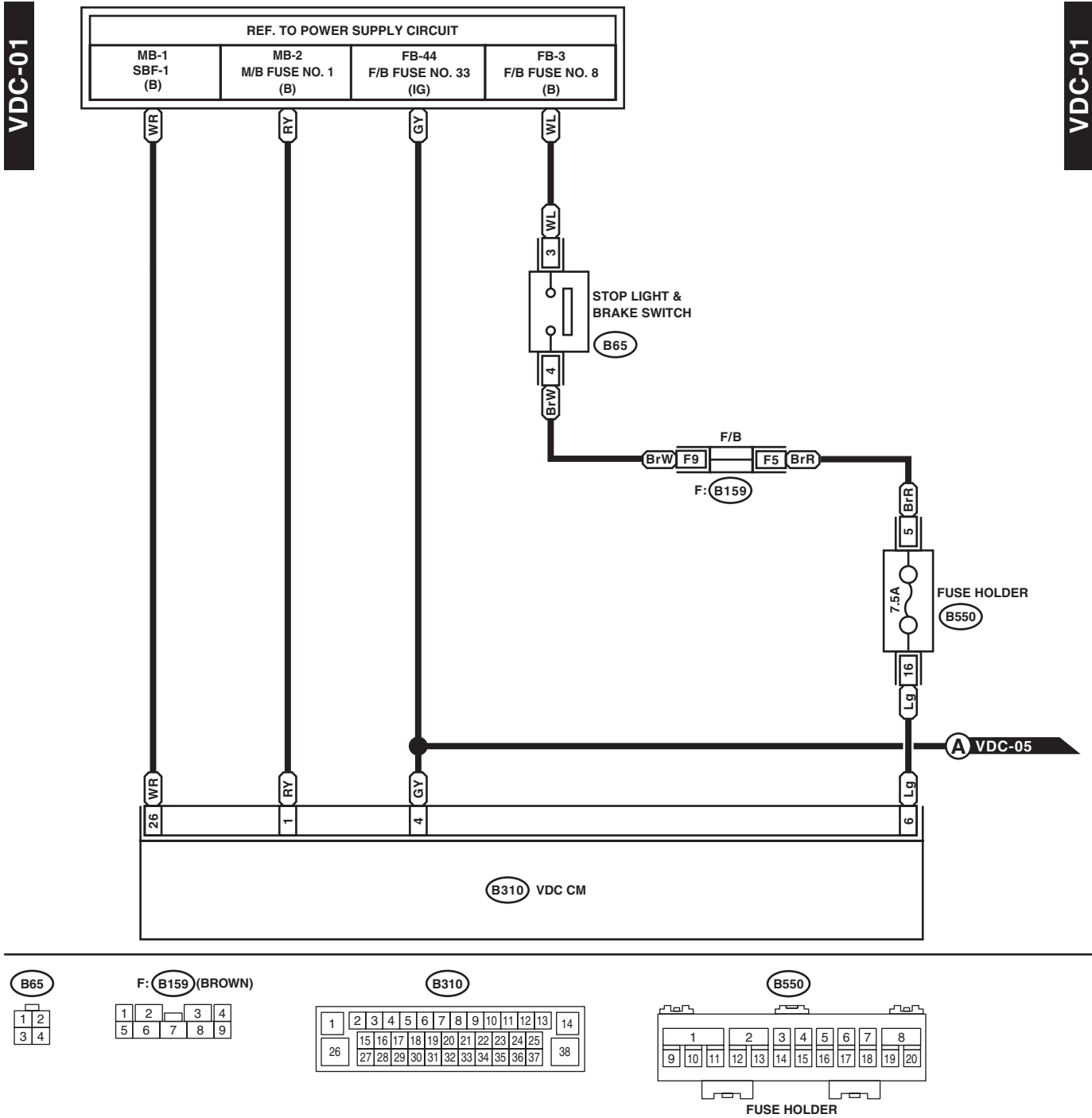
Vehicle Dynamics Control System

WIRING SYSTEM

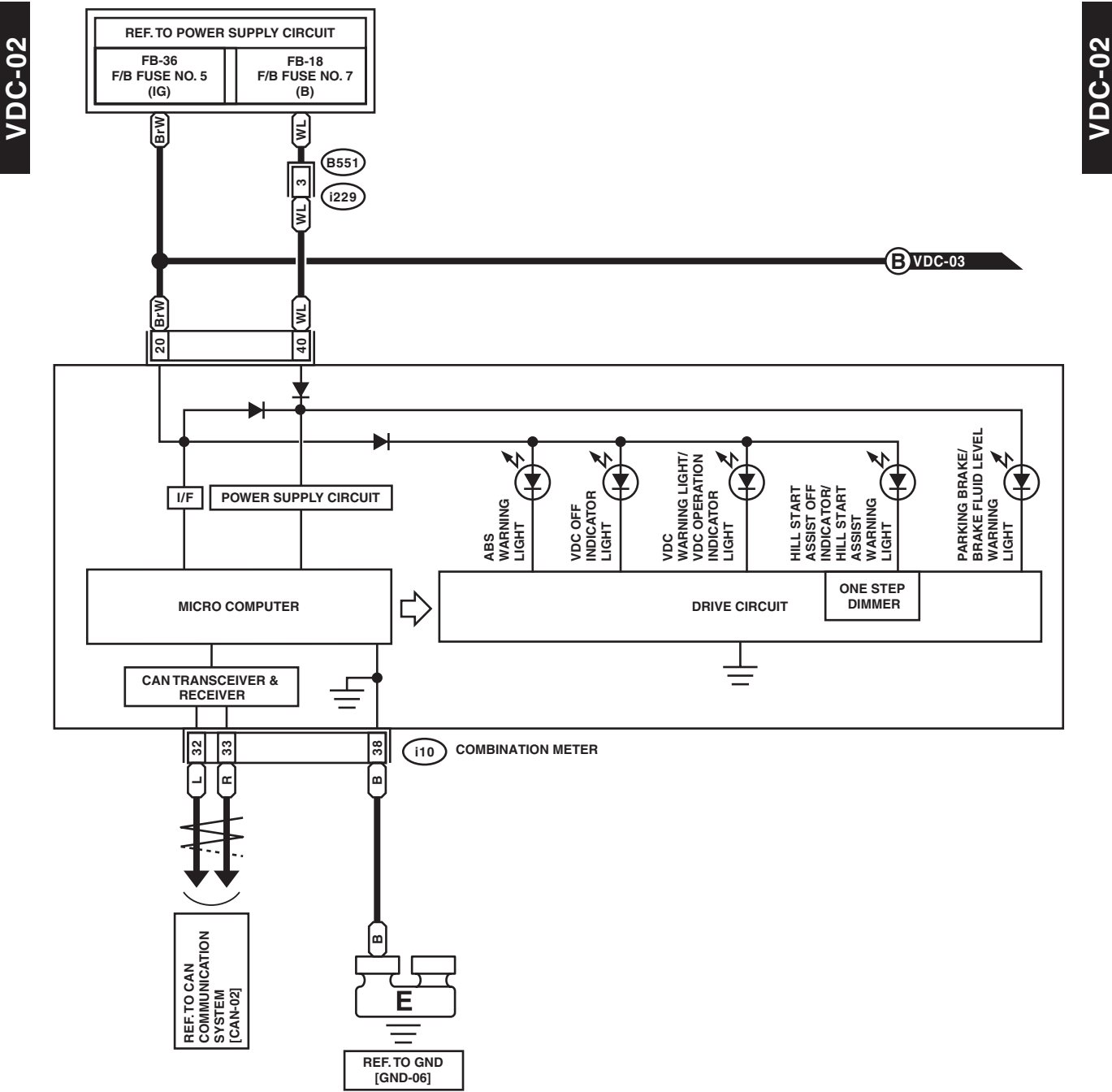
55.Vehicle Dynamics Control System

A: WIRING DIAGRAM

1. WITHOUT EyeSight



WI-48328



i229

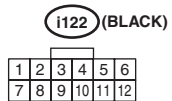
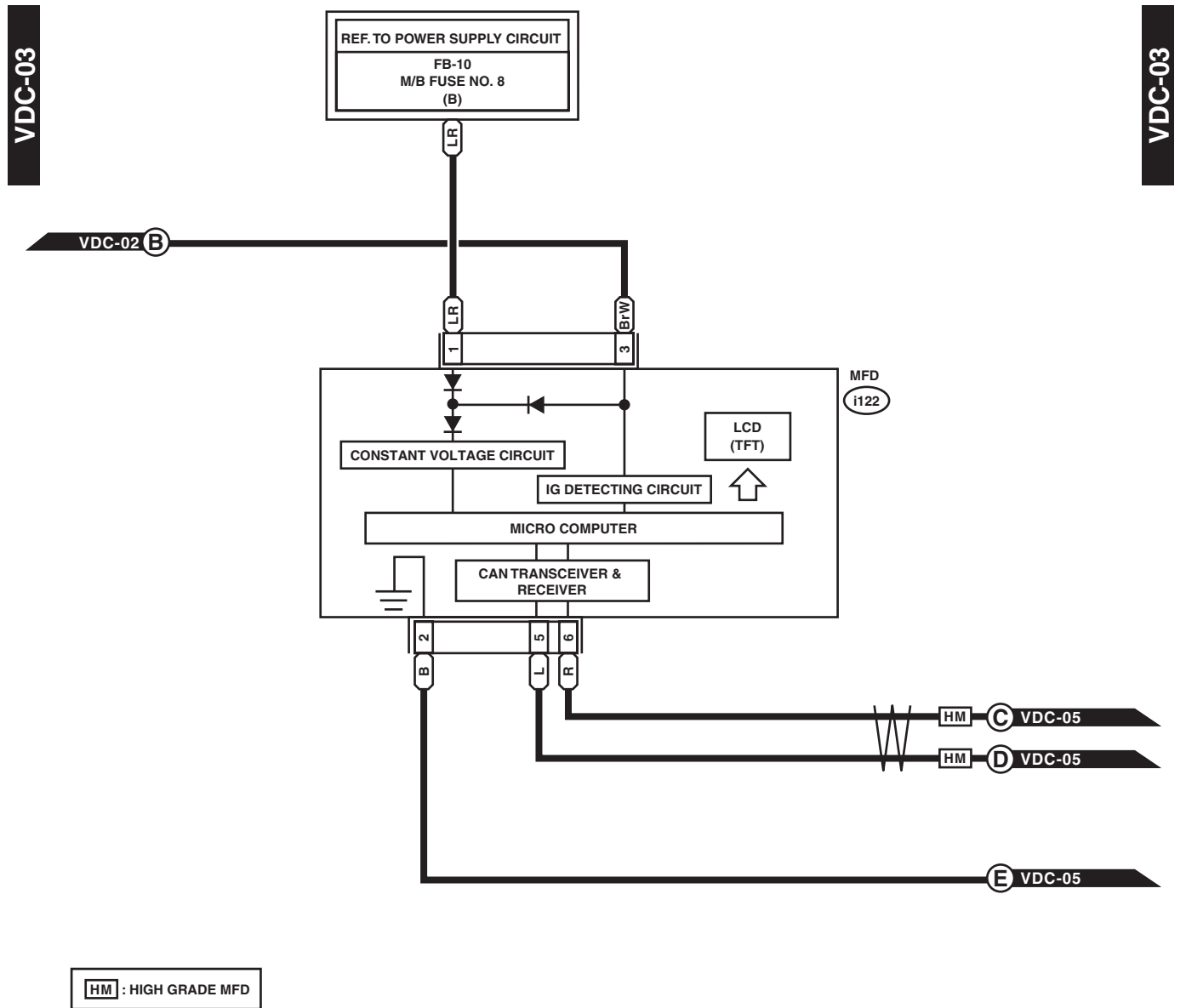
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6	7	8	9	10
11	12			

i10

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

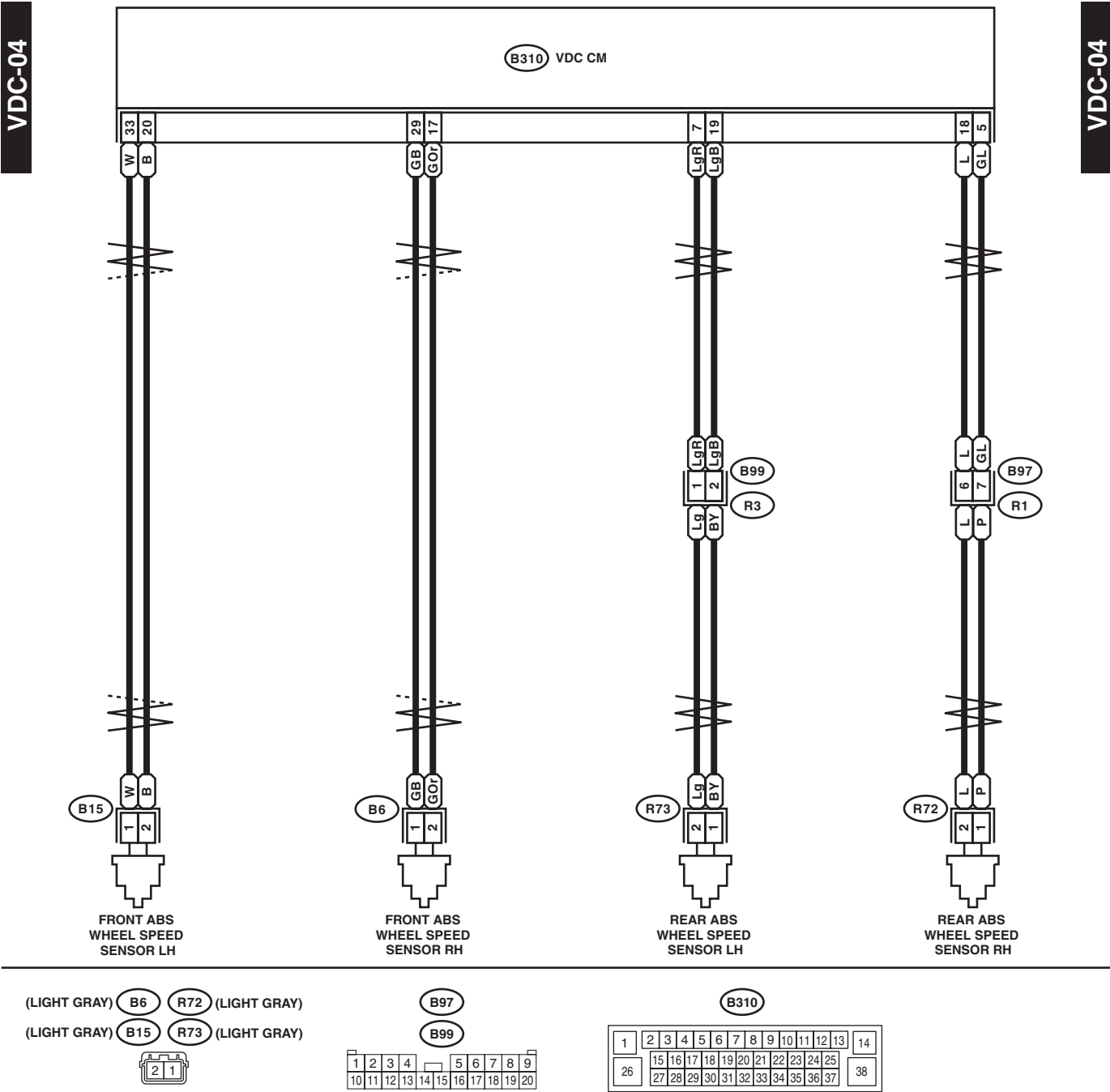
WIRING SYSTEM



WI-48330

Vehicle Dynamics Control System

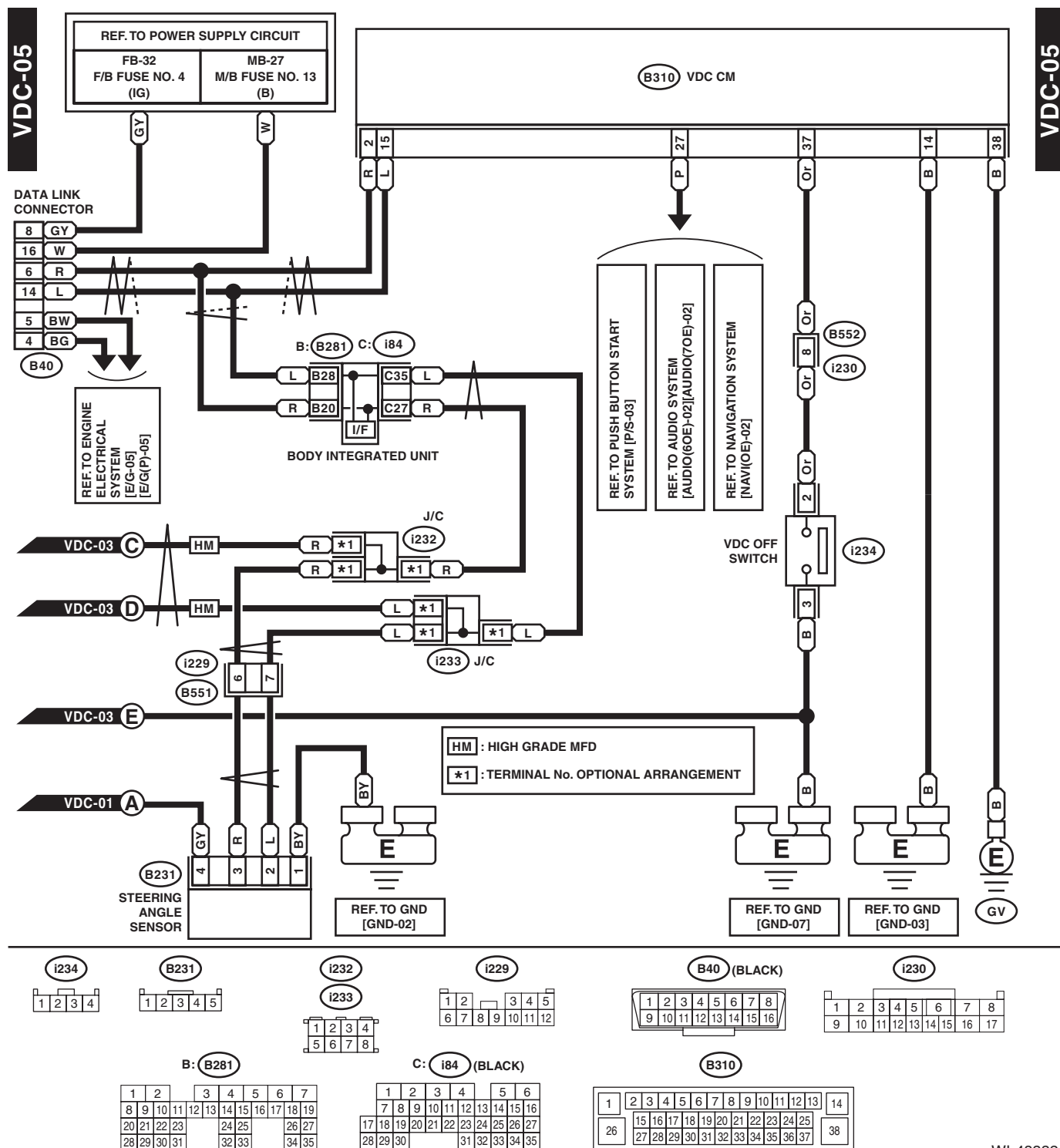
WIRING SYSTEM



WI-48331

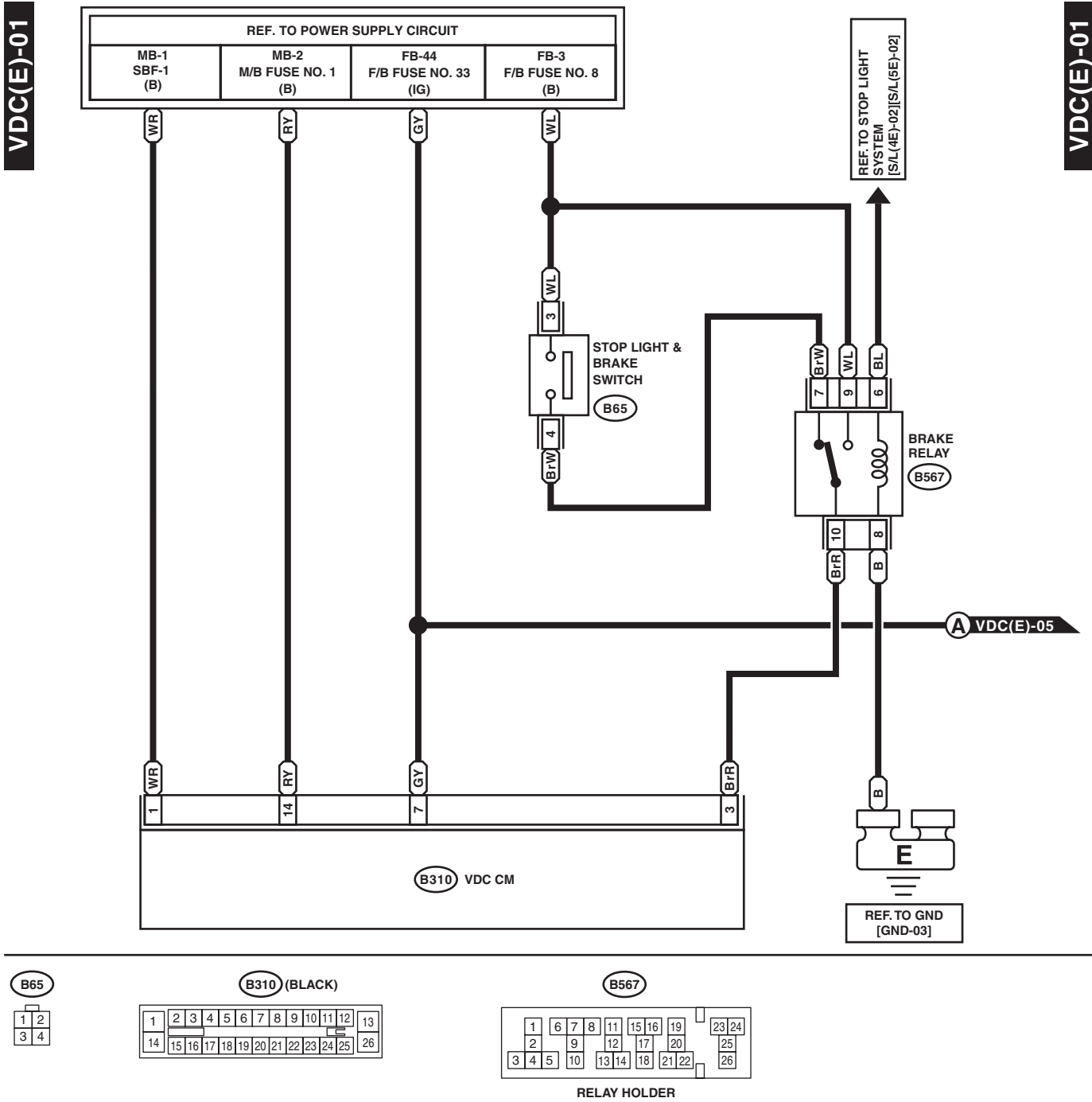
Vehicle Dynamics Control System

WIRING SYSTEM



WI-48332

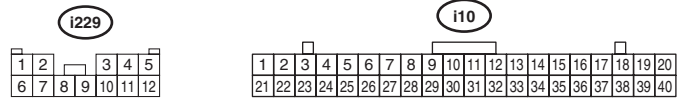
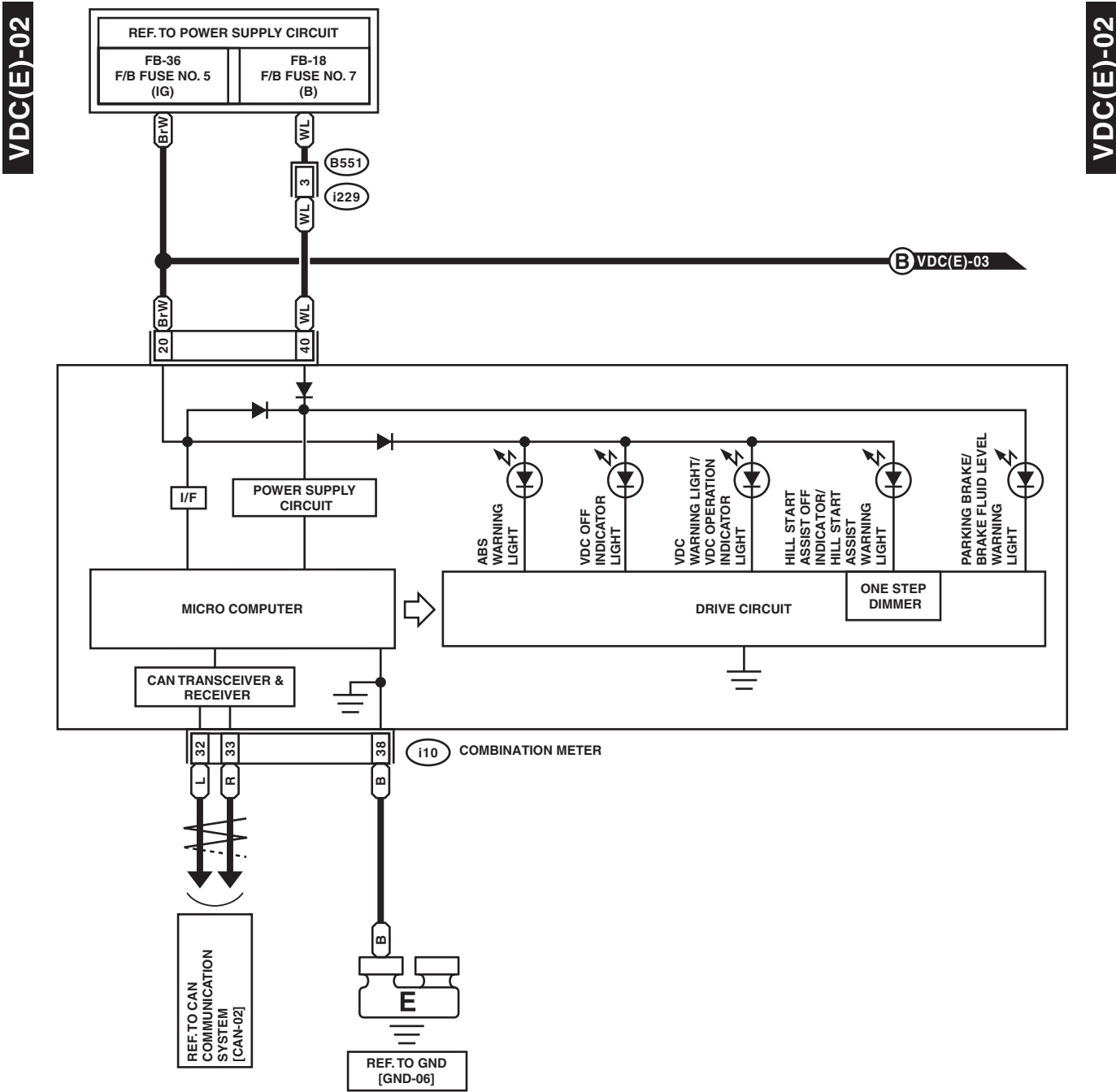
2. WITH EyeSight



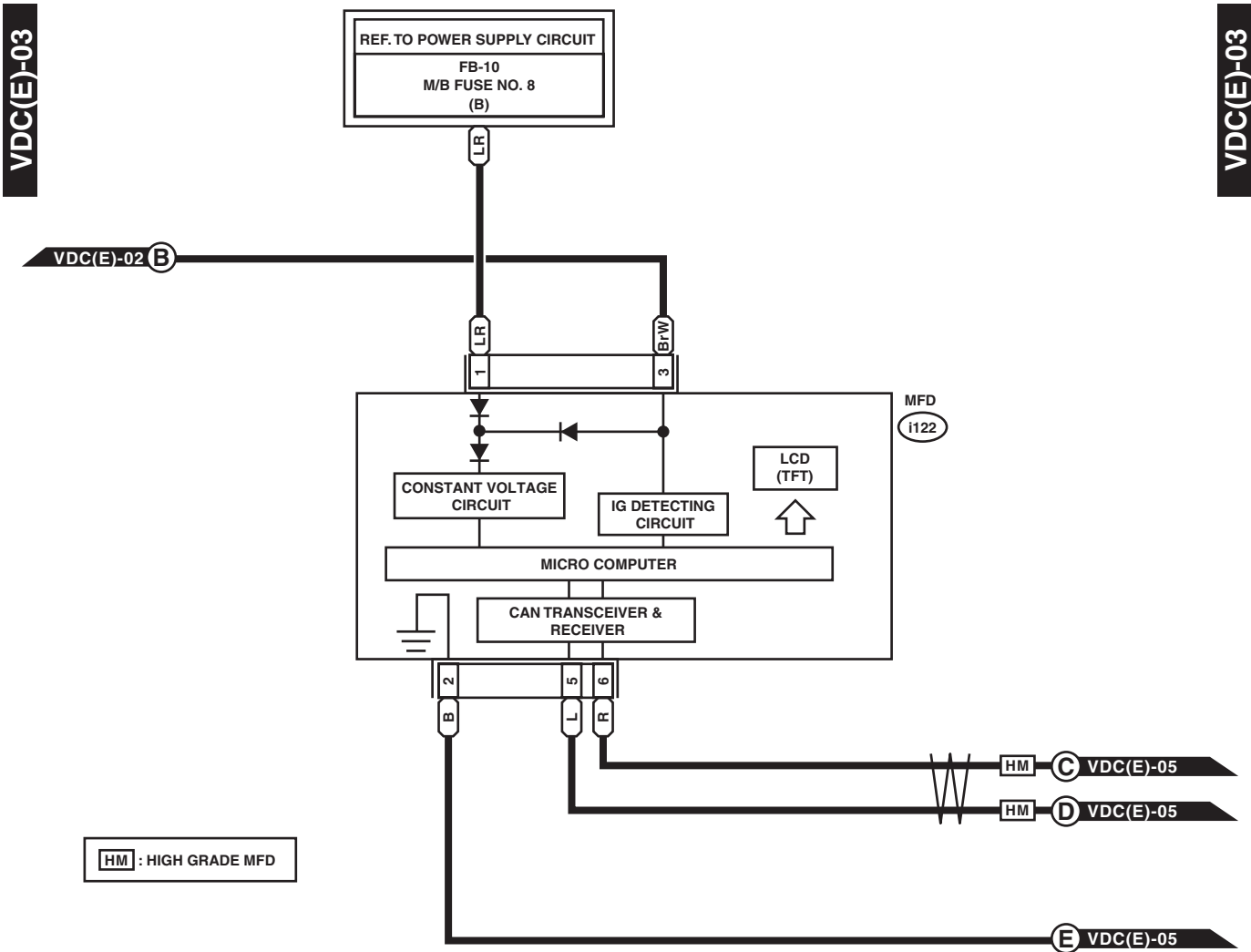
WI-48333

Vehicle Dynamics Control System

WIRING SYSTEM

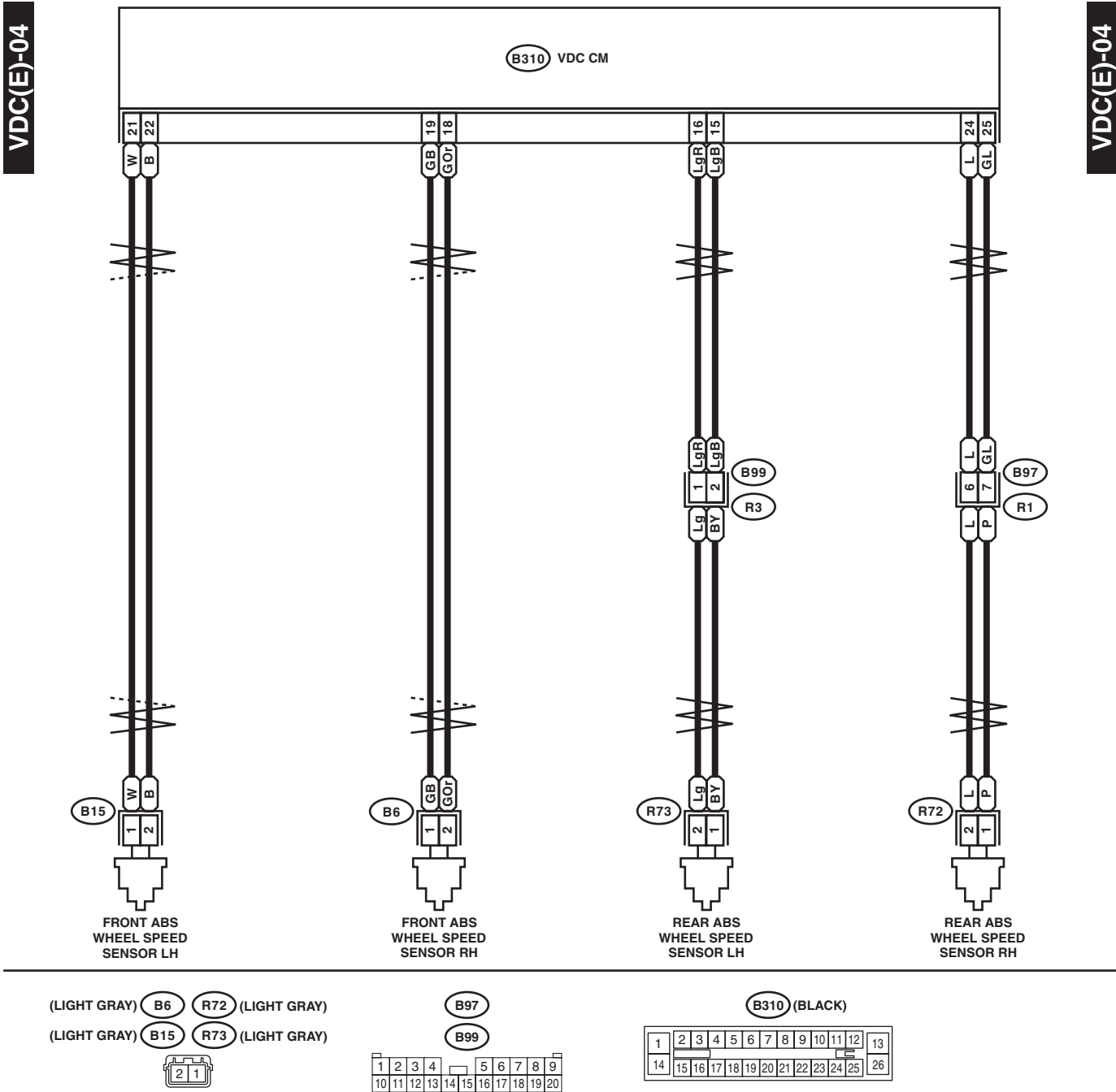


WI-48334



Vehicle Dynamics Control System

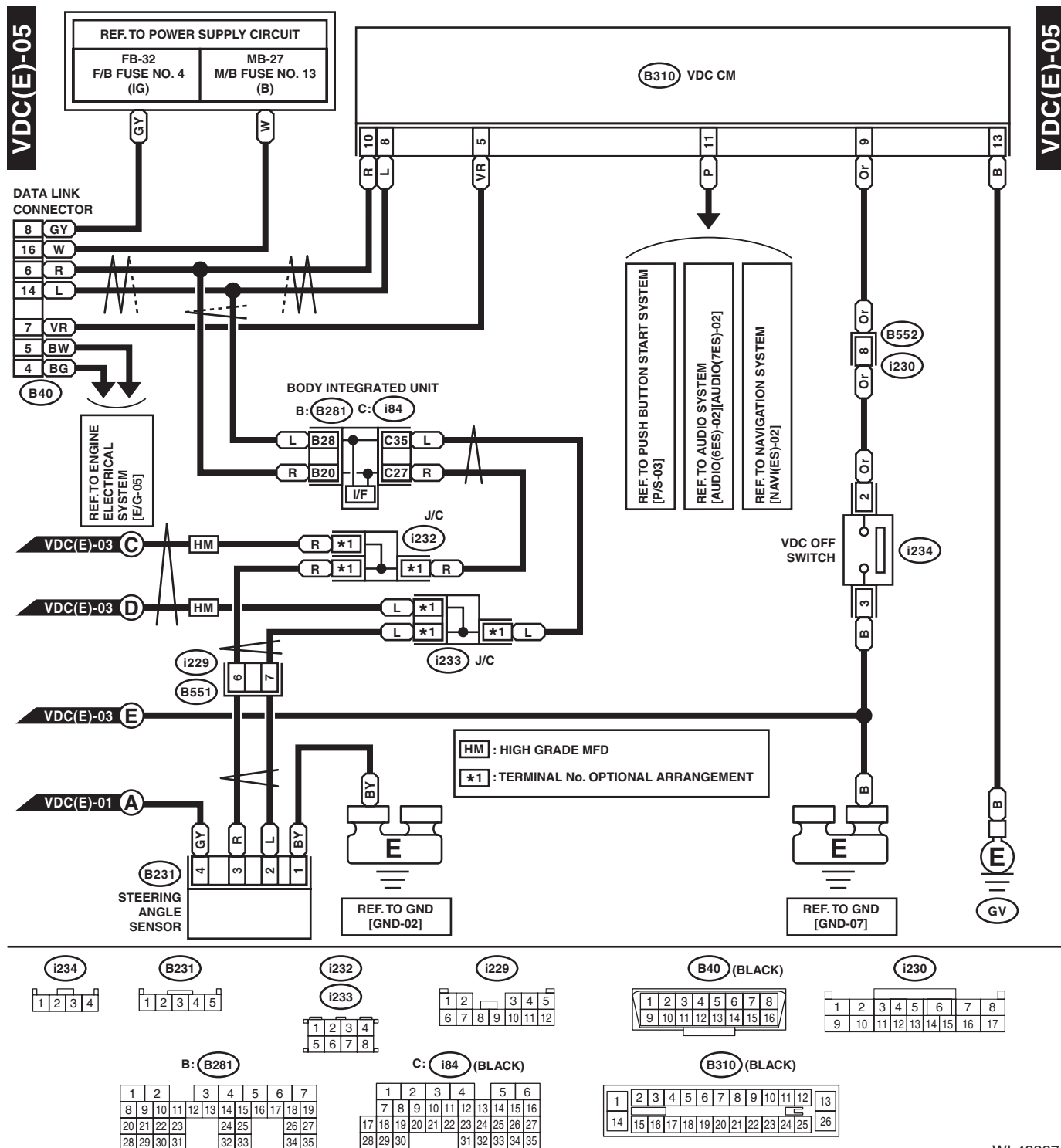
WIRING SYSTEM



WI-48336

Vehicle Dynamics Control System

WIRING SYSTEM



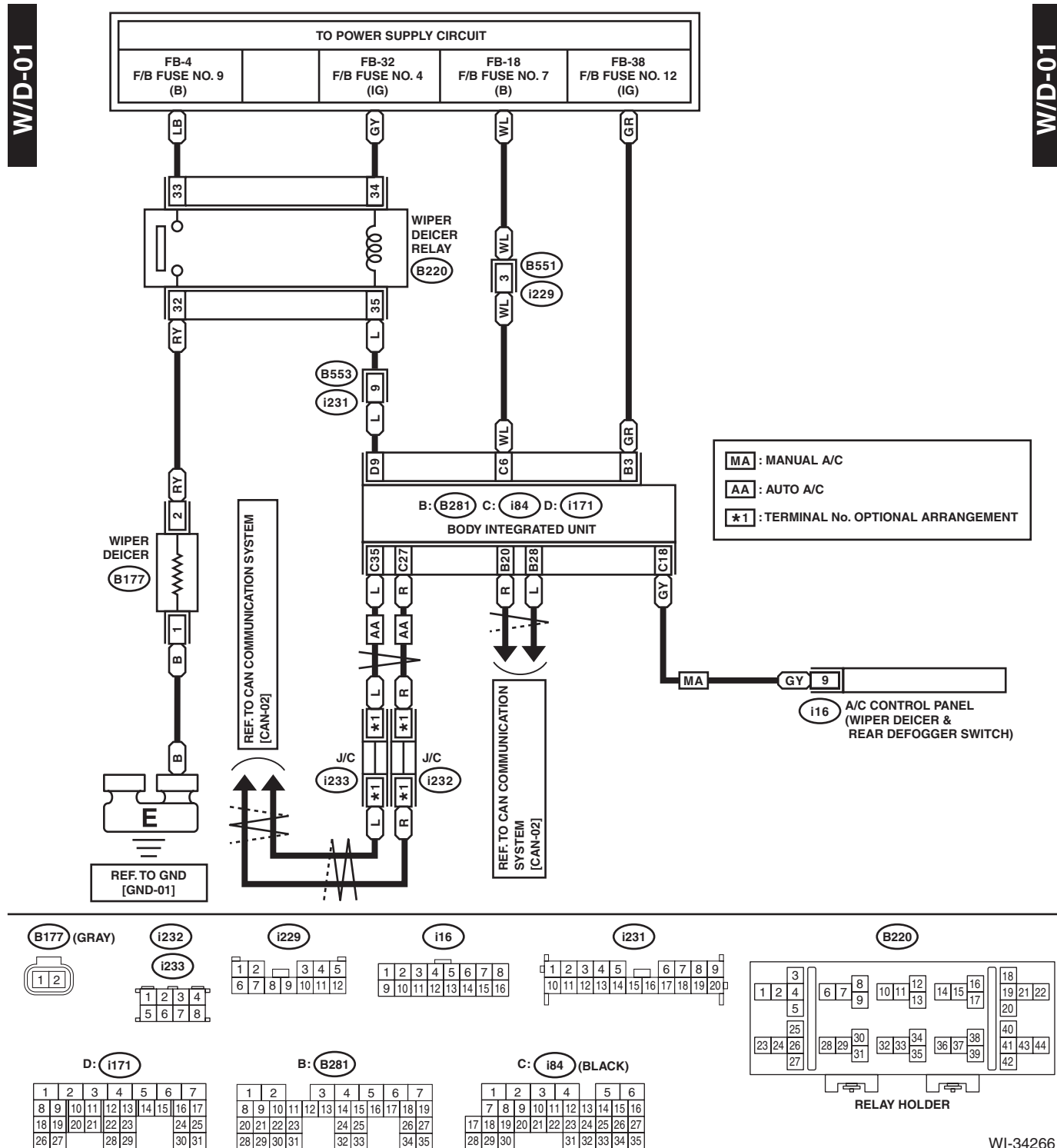
WI-48337

Wiper Deicer System

WIRING SYSTEM

56.Wiper Deicer System

A: WIRING DIAGRAM

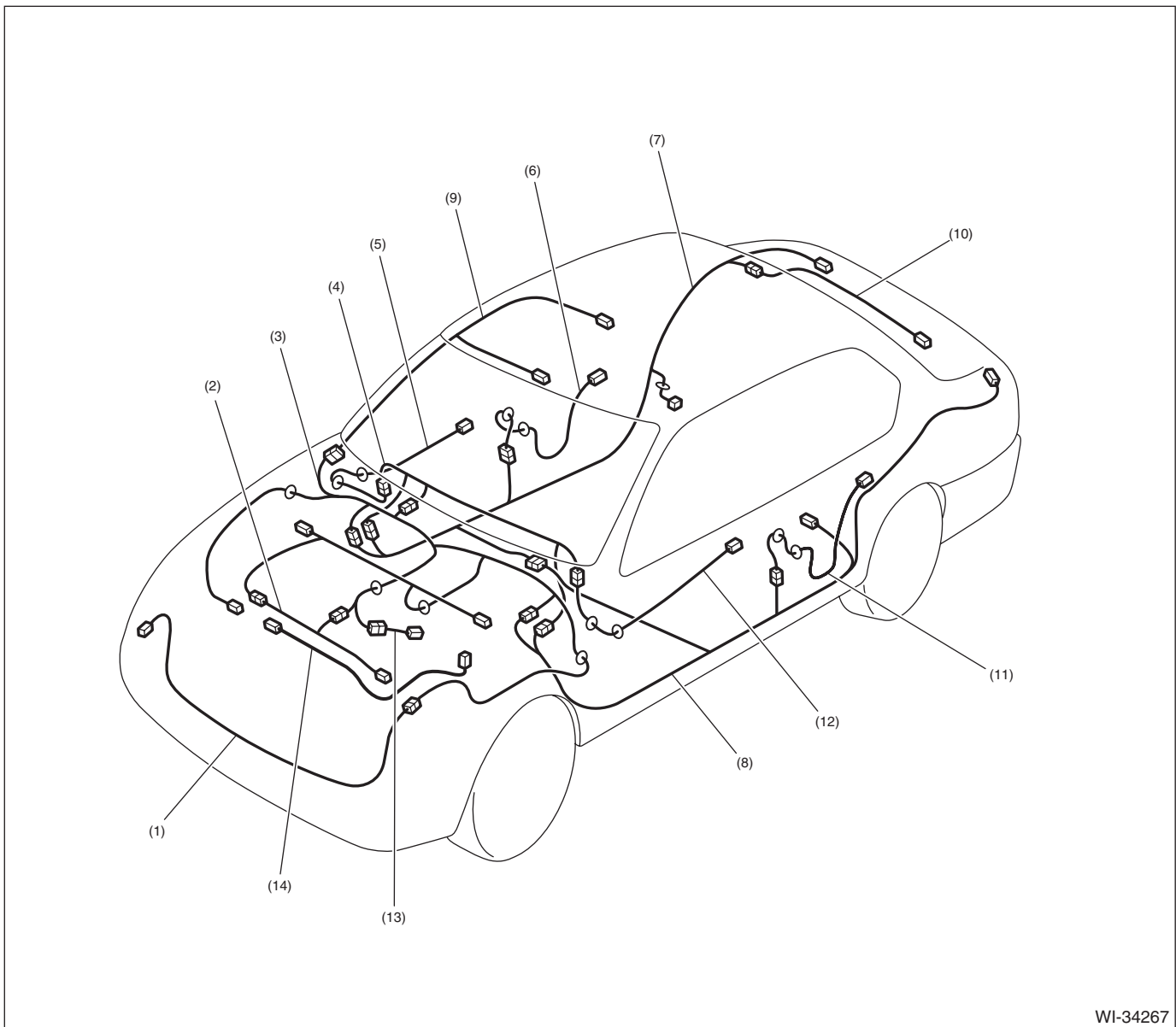


WI-34266

57. Harness Components Location

A: LOCATION

1. 4 DOOR MODEL



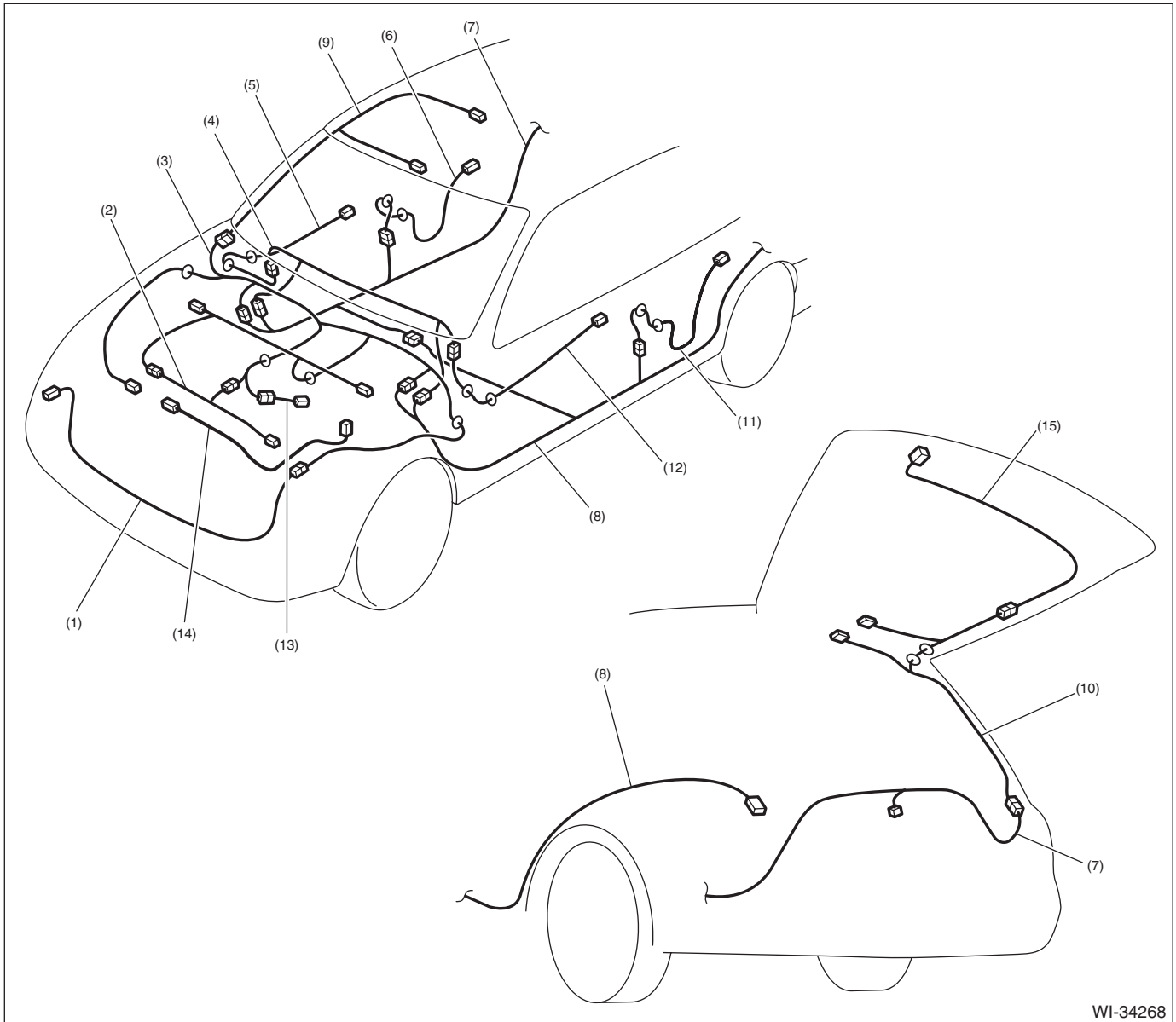
WI-34267

(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		

Harness Components Location

WIRING SYSTEM

2. 5 DOOR MODEL/XV 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	(15) Rear gate cord
(5) Front door cord RH	(11) Rear door cord LH	
(6) Rear door cord RH		

58.Front Wiring Harness

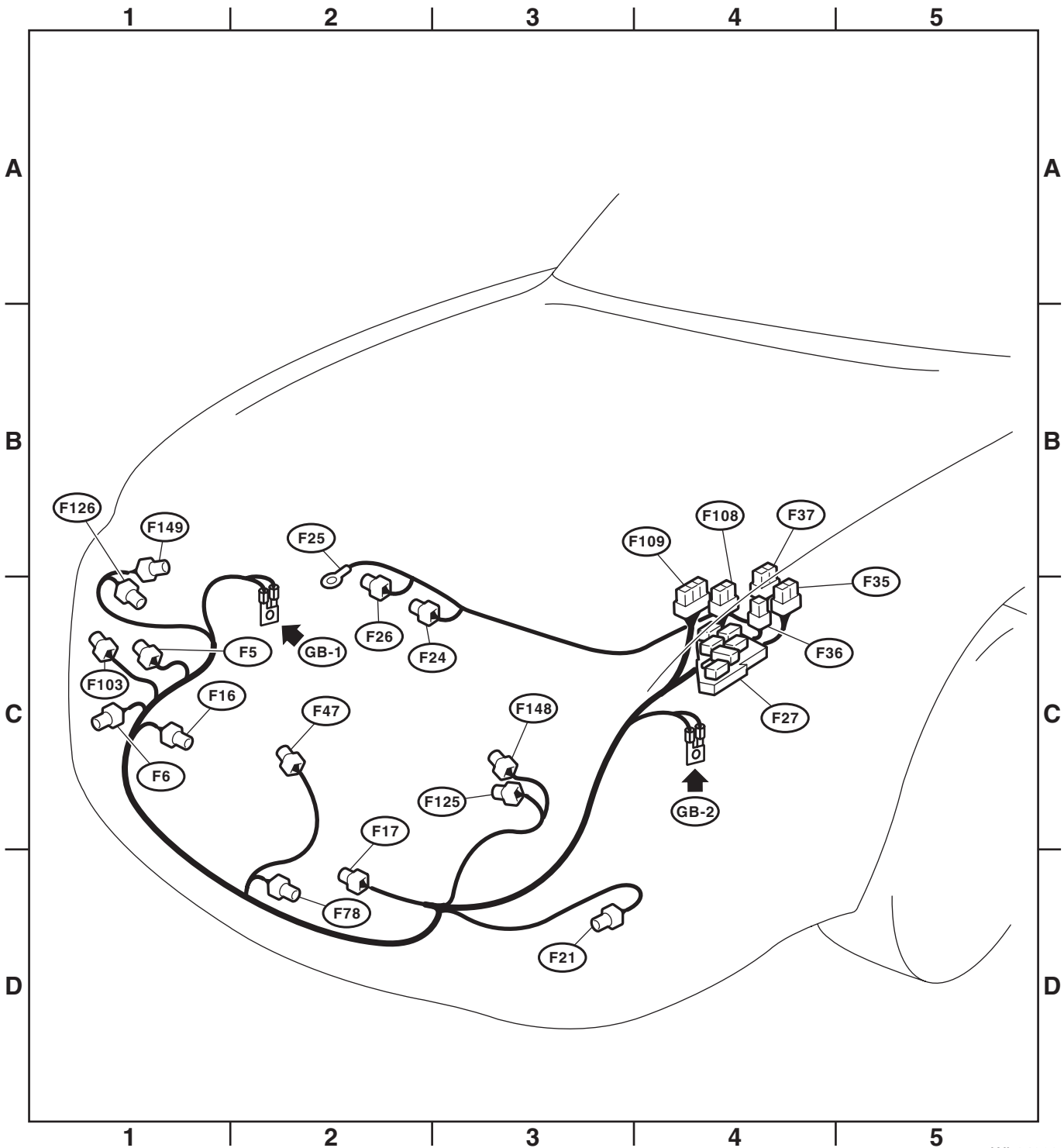
A: LOCATION

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
F5	1	Black	C-1		Horn
F6	2	★	C-1		Front fog light RH (without SRF)
	2	Black	C-1		Front fog light RH (with SRF)
F16	2	★	C-1		Sub fan motor
F17	2	★	D-2		Main fan motor
F21	2	★	D-4		Front fog light LH (without SRF)
	2	Black	D-4		Front fog light LH (with SRF)
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

59. 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	Dark gray	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	Black	C-4		Front washer motor
B147	2	Gray	C-4		Rear washer motor
B164	2	Gray	B-2		Keyless buzzer
B177	2	Gray	B-4		Wiper deicer
B186	8	★	B-5		M/B
B310	26	Black	B-2		VDC CM (with EyeSight)
	38	★	B-2		VDC CM (without EyeSight)
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
B432	8	Black	C-4		SBF holder
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
B567	26	★	B-3		Relay holder
B571	2	★	B-5		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	B-1		Front sub sensor RH

WIRING SYSTEM



60. 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	48	Black	B-2		TCM
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
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	20	★	B-5	R50	Roof cord
B92	20	★	D-1	R5	Rear wiring harness LH
B97	20	★	C-5	R1	Rear wiring harness RH
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
B151	6	★	B-5	R430	Roof cord
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 (without push button start)
	8	★	C-2		Remote engine start CM (with push button start)
B181	2	★	C-2	B182	Bulkhead wiring harness
B182	2	★	C-2	B181	

Bulkhead Wiring Harness (In Compartment)

WIRING SYSTEM

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
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
B422	5	★	B-3		ID code box
B424	7	Black	C-3		Steering lock CM
B426	4	Black	C-2		Accessory relay
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
B572	18	★	C-2		Keyless access CM
B573	28	★	C-2		
B574	30	★	C-2		
B575	22	★	C-1	B576	Bulkhead wiring harness
B576	22	★	C-1	B575	
B577	10	★	C-1	B578	
B578	10	★	C-1	B577	
B579	2	★	C-4		Keyless access interior antenna (front)
B583	12	★	B-5	i237	Instrument panel wiring harness RH
B584	20	★	B-5	i238	

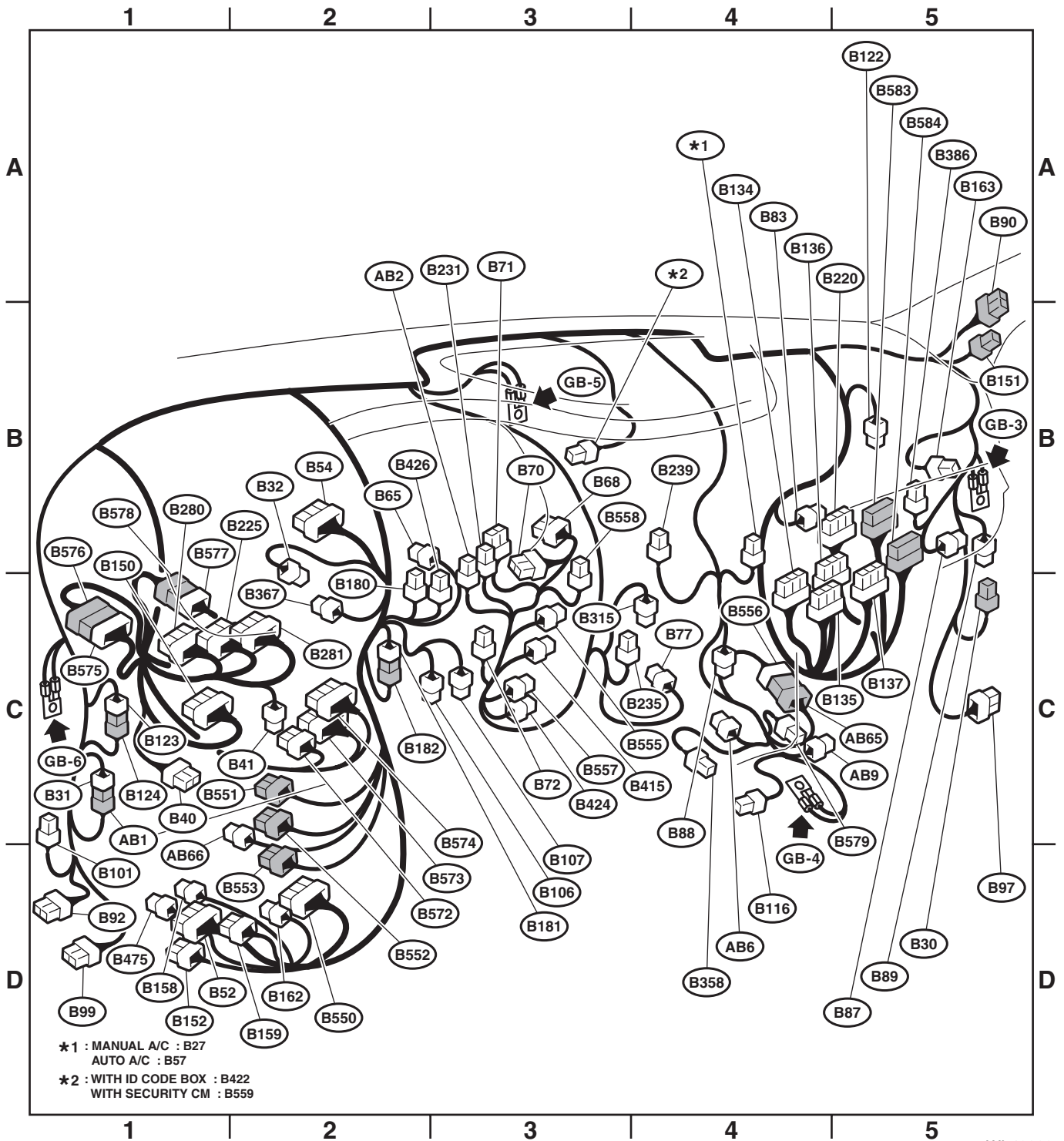
★ : White or natural color

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

Bulkhead Wiring Harness (In Compartment)

WIRING SYSTEM



WI-48339

Engine Wiring Harness and Transmission Cord

WIRING SYSTEM

61.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	3	Black	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	Black	B-2		Ignition coil No. 1
E32	3	Black	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	2	Black	B-1		Exhaust oil control solenoid RH
E65	3	Light gray	B-3		Exhaust camshaft position sensor LH
E66	2	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

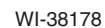
- **MT model**

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	Dark gray	D-4	B12	Bulkhead wiring harness
T4	12	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

WIRING SYSTEM



62.Instrument Panel Wiring Harness

A: LOCATION

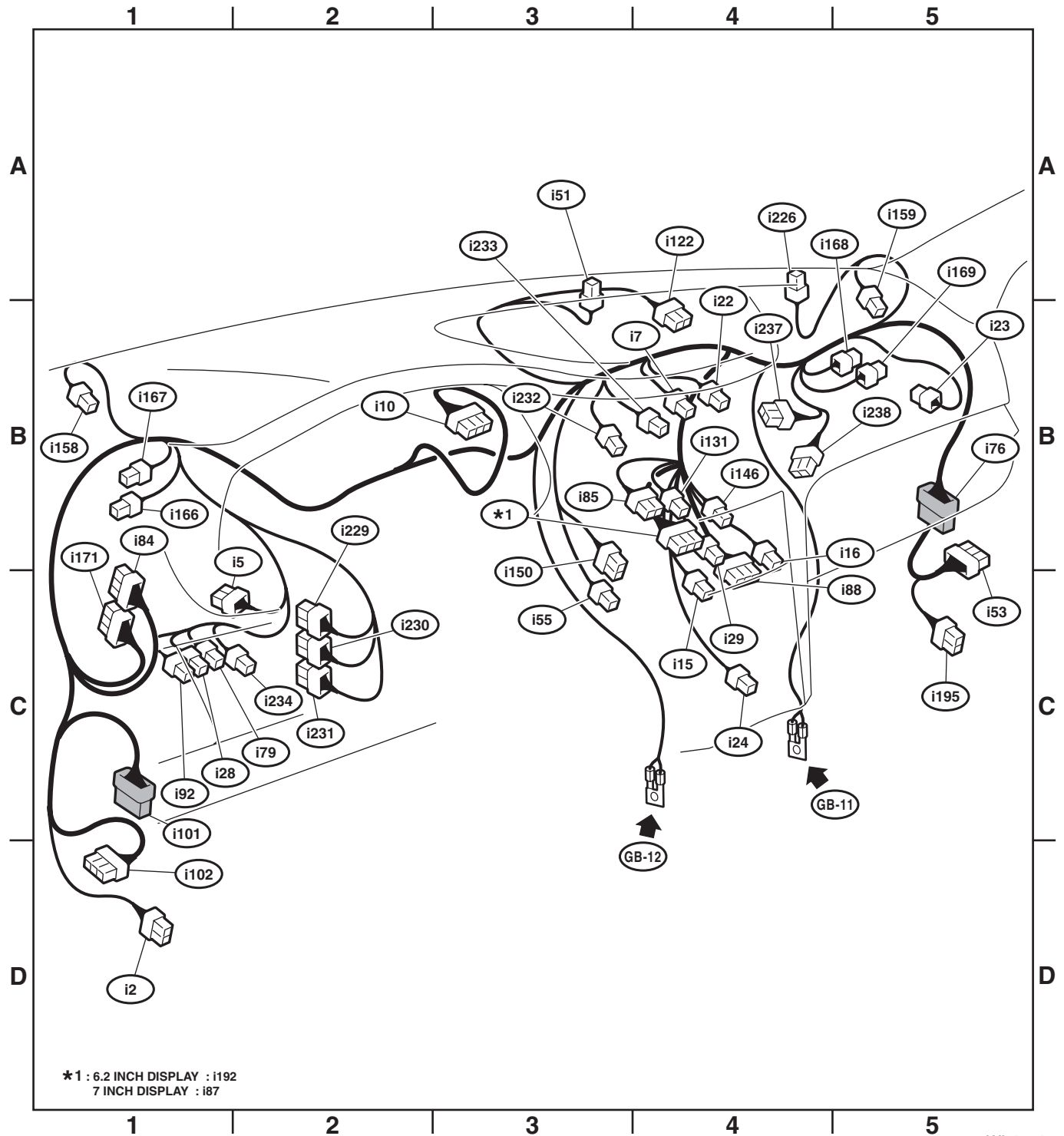
Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
i2	10	★	D-1	R339	Rear wiring harness LH
i5	20	★	C-1		F/B
i7	4	Gray	B-4		MFD switch
i10	40	★	B-3		Combination meter
i15	6	★	C-4		Blower fan switch (manual A/C)
i16	16	★	B-4		A/C control panel (manual A/C)
i22	4	★	B-4		Hazard switch
i23	2	★	B-5		Glove box light
i24	2	★	C-4		Front accessory power supply socket
i28	4	Gray	C-1		OP connector (fog light switch)
i29	1	★	B-4		Audio bracket ground
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	10	★	B-4		Audio
	10	★	B-4		Navigation unit
i87	28	★	B-4		Audio
	28	★	B-4		Navigation unit
i88	40	★	C-4		A/C control panel (auto A/C)
i92	4	Gray	C-1		SRF OFF switch
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	6	★	B-4		Audio
	6	★	B-4		Navigation unit
i146	5	★	B-4		Audio
	5	★	B-4		Navigation unit
i150	14	★	B-3		Push button ignition switch
i158	4	★	B-1		Side tweeter LH
i159	4	★	A-5		Side tweeter RH
i166	4	★	B-1		J/C
i167	4	★	B-1		
i168	4	★	B-5		
i169	4	★	B-5		
i171	31	★	C-1		Body integrated unit
i192	28	★	B-4		Audio
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		

Instrument Panel Wiring Harness

WIRING SYSTEM

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
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



WI-48340

63.Rear Wiring Harness

A: LOCATION

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
R1	20	★	B-2	B97	Bulkhead wiring harness
R3	20	★	C-3	B99	
R4	1	Black	B-4		Parking brake switch
R5	20	★	C-3	B92	Bulkhead wiring harness
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	20	★	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	Yellow	C-3	AB62	Front door cord LH
R124	2	Yellow	B-2	AB63	Front door cord RH
R128	5	★	B-4		Sunroof switch
R137	16	★	B-3		Stereo camera
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	8	★	B-4		AUX input terminal
R382	10	★	B-2	i195	Instrument panel wiring harness
R405	12	★	B-4	R407	Stereo camera cover
R430	6	★	B-2	B151	Bulkhead wiring harness
★ : White or natural color					

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
AB17	15	Yellow	C-2		Airbag CM (except for XV model)
	24	Yellow	C-2		Airbag CM (XV model)
AB18	15	Yellow	C-2		Airbag CM (except for XV model)
	24	Yellow	C-2		Airbag CM (XV model)
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

WIRING SYSTEM

WI-48341

WI(w/o HEV)-248

64. Door Cord

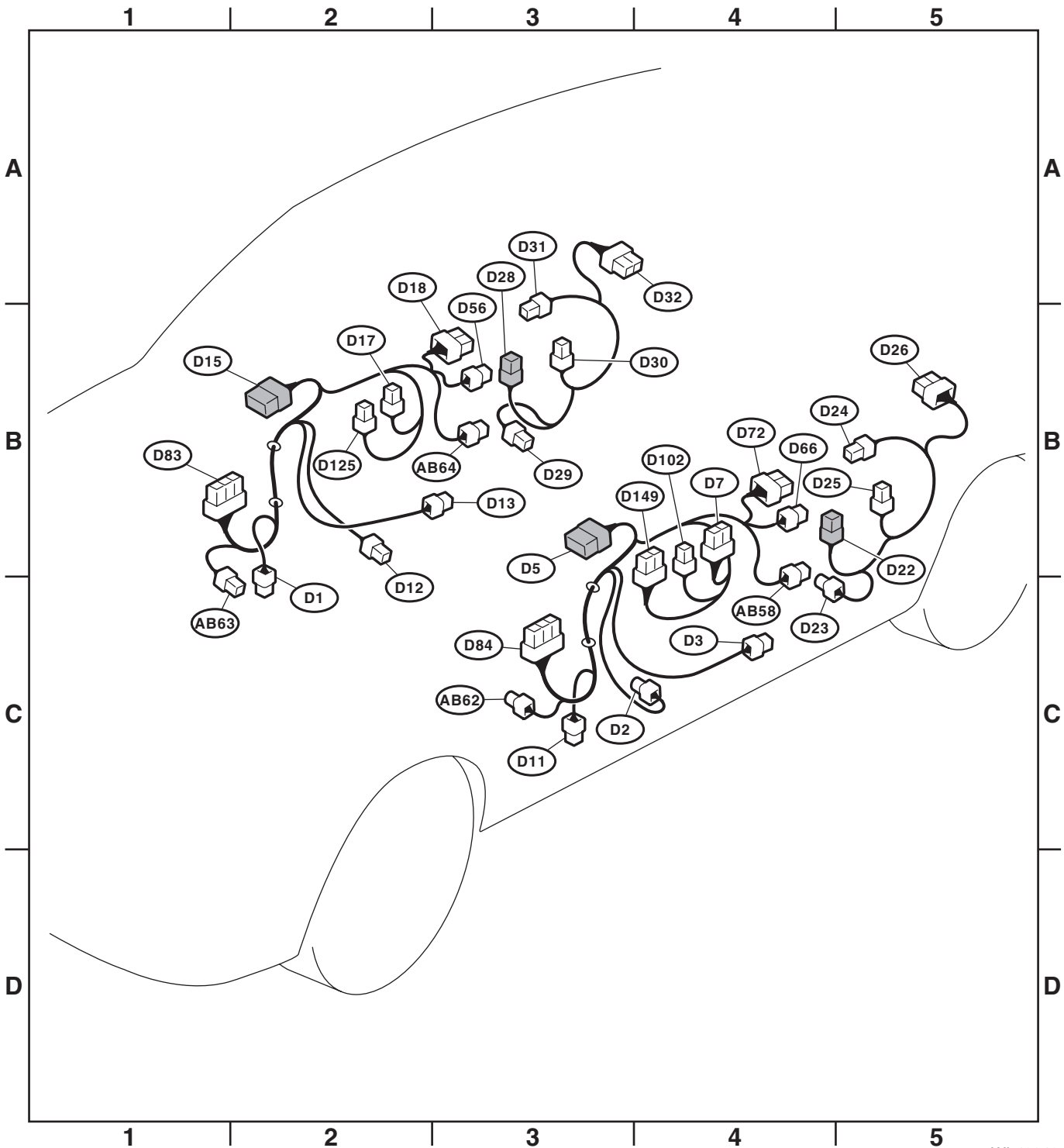
A: LOCATION

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	Dark gray	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	Dark gray	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	Dark gray	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
D56	6	★	B-3		Outer handle RH
D66	6	★	B-4		Outer handle LH
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-48342

65.Rear Wiring Harness and Trunk Lid Cord

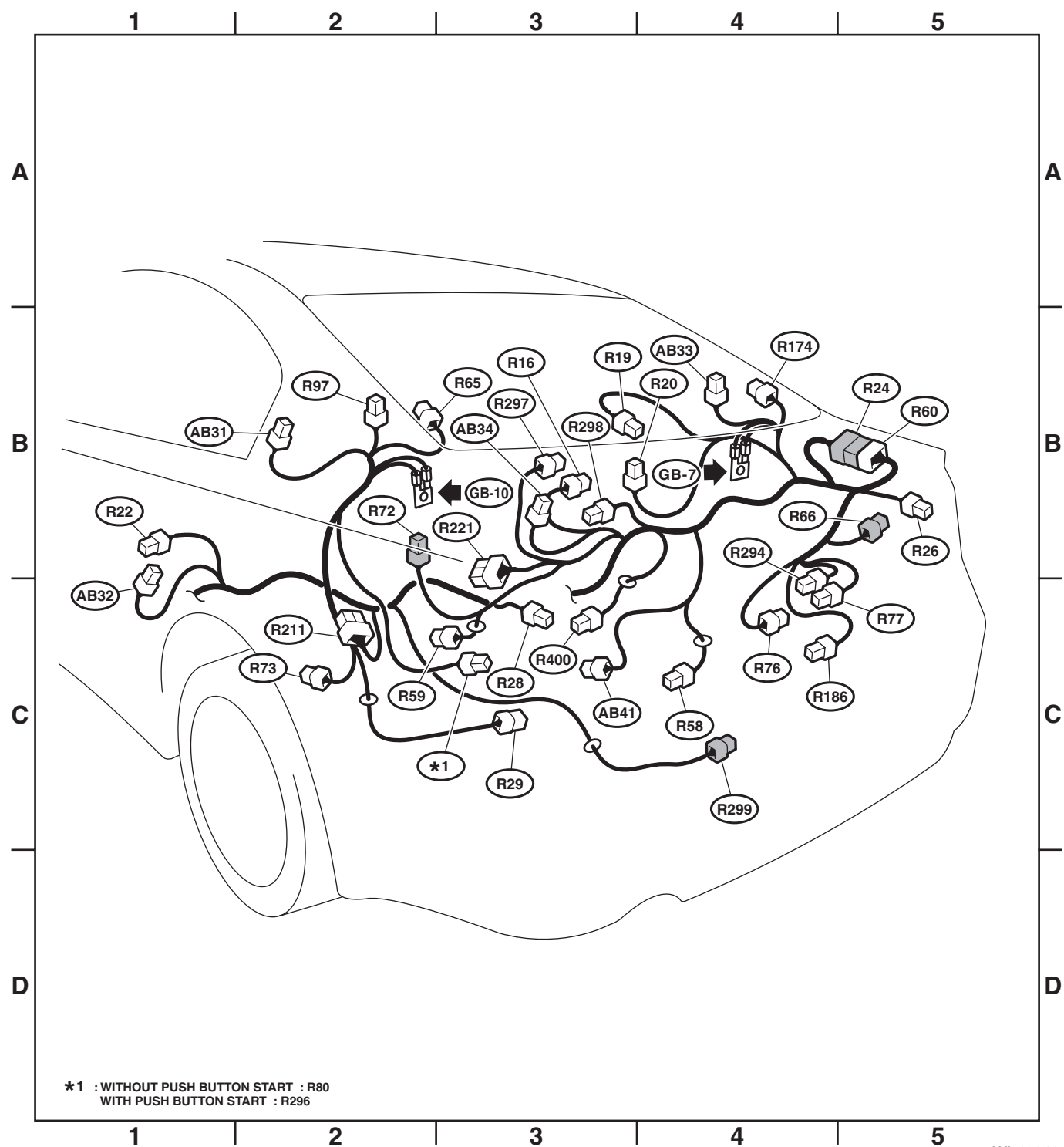
A: LOCATION

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
R16	3	★	B-3		Rear door switch RH
R19	2	★	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/XV model)
R28	6	★	C-3		Rear combination light LH (4 door model)
		Gray			Rear combination light LH (5 door model/XV model)
R29	3	Black	C-3		Rear vehicle height sensor
R58	4	★	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
R211	12	★	C-2		TPMS CM
R221	12	★	C-3		TPMS & keyless entry CM
R294	2	Brown	C-4		Trunk opener button
R296	5	★	C-3		Receiver
R297	3	★	B-3		Keyless access interior antenna (rear)
R298	3	★	B-3		Keyless access interior antenna (center)
R299	6	★	C-4		Keyless access exterior antenna (rear)
R400	8	Gray	C-3		ELCM
★ : White or natural color					

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
AB31	2	Black	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-48343

66.Rear Wiring Harness and Rear Gate Cord

A: LOCATION

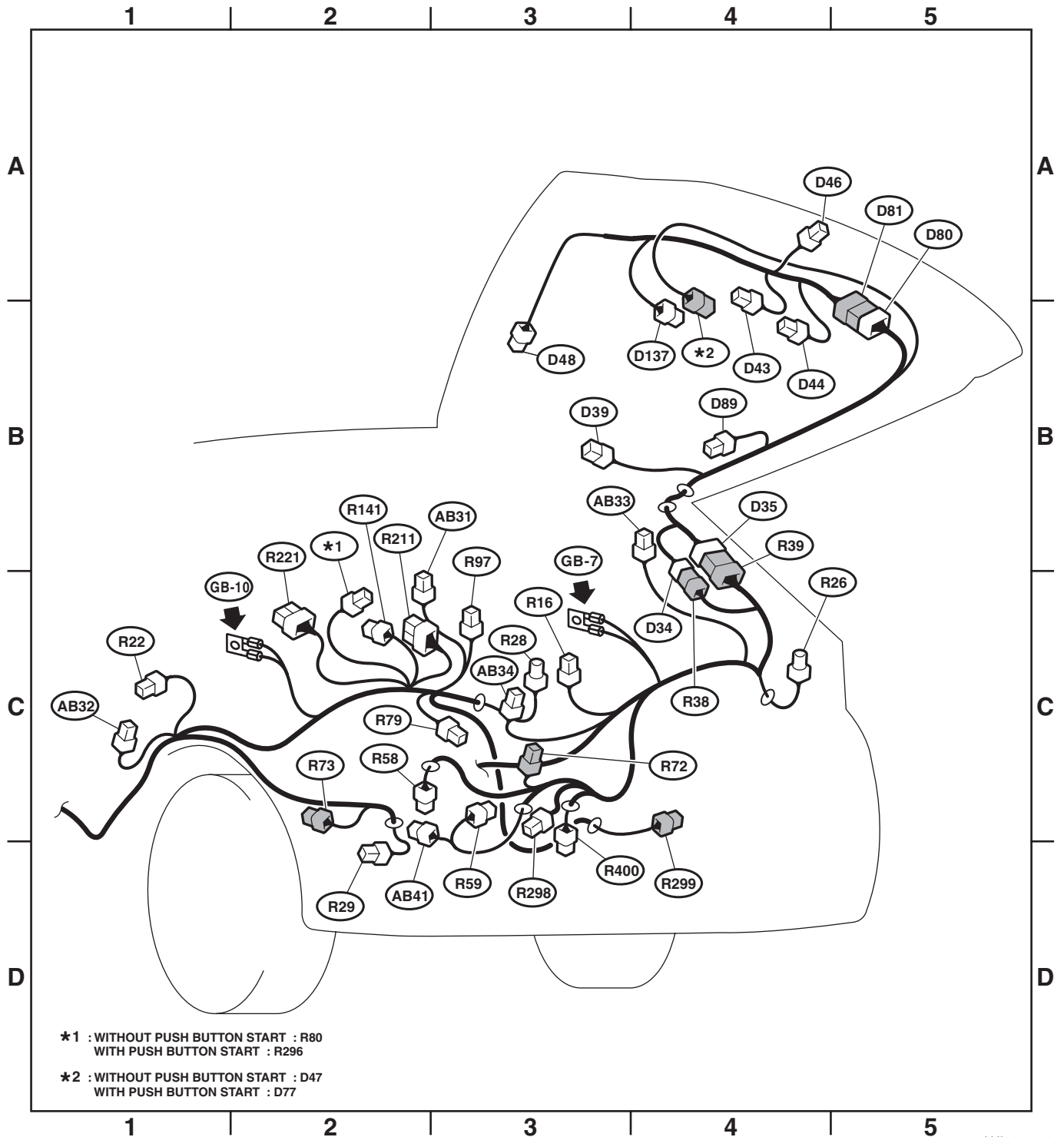
Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
R16	3	★	C-3		Rear door switch RH
R22	3	★	C-1		Rear door switch LH
R26	6	Gray	C-4		Rear combination light RH
R28	6	Gray	C-3		Rear combination light LH
R29	3	Black	D-2		Rear vehicle height sensor
R38	8	★	C-4	D34	Rear gate cord
R39	14	Gray	C-4	D35	
R58	4	★	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
R79	8	★	C-3		Trailer connector
R80	8	★	C-2		Keyless entry CM
R97	1	★	C-3		Antenna feeder cord
R141	2	Light gray	C-2		Luggage room light
R211	12	★	C-2		TPMS CM
R221	12	★	C-2		TPMS & keyless entry CM
R296	5	★	C-2		Receiver
R298	3	★	C-3		Keyless access interior antenna (rear)
R299	6	★	C-4		Keyless access exterior antenna (rear)
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
D77	4	★	A-4		Rear lock button & rear gate opener button
D80	8	★	B-5	D81	Rear gate cord
D81	8	★	B-5	D80	
D89	1	Black	B-4		Rear defogger
D137	2	★	B-4		License plate light LH
★ : White or natural color					

Rear Wiring Harness and Rear Gate Cord

WIRING SYSTEM

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
AB31	2	Black	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



WI-48344

WIRING SYSTEM

WI(HEV)

	Page
1. Basic Diagnostic Procedure	3
2. Working Precautions	15
3. Power Supply Circuit	21
4. Ground Circuit	40
5. Active Grille Shutter	50
6. Airbag System	51
7. Air Conditioning System	56
8. Audio System	61
9. Back-up Light System	64
10. CAN Communication System	65
11. Charging System	68
12. Clearance Light and Illumination Light System	70
13. Combination Meter System	75
14. Coolant Temperature System	80
15. Cruise Control System	82
16. CVT Control System	86
17. Electric Power Steering System	98
18. Engine Electrical System	100
19. Front Accessory Power Supply Socket System	128
20. Front Fog Light System	129
21. Front Wiper and Washer System	131
22. Fuel Gauge System	133
23. Headlight Beam Leveler System	134
24. Headlight System	136
25. Hybrid Electric Vehicle System	140
26. Horn System	150
27. Immobilizer System	151
28. Interior Light System	155
29. Keyless Access System	158
30. Keyless Entry System	165
31. Multi-function Display (MFD) System	169
32. Navigation System	171
33. Occupant Detection System	174
34. Oil Pressure Warning Light System	175
35. Parking Brake / Brake Fluid Level Warning Light System	176
36. Power Window System	177
37. Push Button Start System	181
38. Radiator Fan System	185
39. Rear Accessory Power Supply Socket System	186
40. Rear Defogger System	187
41. Rearview Camera System	188
42. Rearview Mirror System	190
43. Rear Wiper and Washer System	191
44. Remote Control Mirror System	193
45. Remote Engine Start System	194

46.	Seat Belt Warning System	201
47.	Seat Heater System	202
48.	Security System	203
49.	Shift Lock Control System	207
50.	Speedometer System	208
51.	Starter System	209
52.	Stop Light System	210
53.	Sunroof Control System	211
54.	Tire Pressure Monitoring System	212
55.	Turn Signal Light and Hazard Light System	213
56.	Pedestrian Alert System	216
57.	Vehicle Dynamics Control System	218
58.	Wiper Deicer System	223
59.	Harness Components Location	224
60.	Front Wiring Harness	226
61.	Bulkhead Wiring Harness (In Engine Compartment) RH	228
62.	Bulkhead Wiring Harness (In Engine Compartment) LH	230
63.	Bulkhead Wiring Harness (In Compartment) RH	232
64.	Bulkhead Wiring Harness (In Compartment) LH	234
65.	Engine Wiring Harness and Transmission Cord	237
66.	Instrument Panel Wiring Harness RH	239
67.	Instrument Panel Wiring Harness LH	241
68.	Roof Cord	243
69.	Rear Wiring Harness RH	245
70.	Rear Wiring Harness LH	247
71.	Rear Wiring Harness (HEV)	249
72.	Door Cord RH	251
73.	Door Cord LH	253
74.	Rear Wiring Harness and Rear Gate Cord	255