1. Basic Diagnostic Procedure

A: BASIC PROCEDURES

1. GENERAL DESCRIPTION

The most important purpose of diagnostics is to quickly determine which part is malfunctioning, to save time and labor.

2. IDENTIFICATION OF TROUBLE SYMPTOM

Determine what the problem is based on the symptom.

3. PROBABLE CAUSE OF TROUBLE

Look at the wiring diagram and check the system's circuit. Then check the switch, relay, fuse, ground, etc.

4. LOCATION AND REPAIR OF TROUBLE

1) Using the diagnostics, narrow down the causes.
2) If necessary, use a voltmeter, ohmmeter, etc.
3) Before replacing certain component parts (switch, relay, etc.), check the power supply, ground, for open wiring harness, poor connectors, etc. If no problem is encountered, check the component parts.

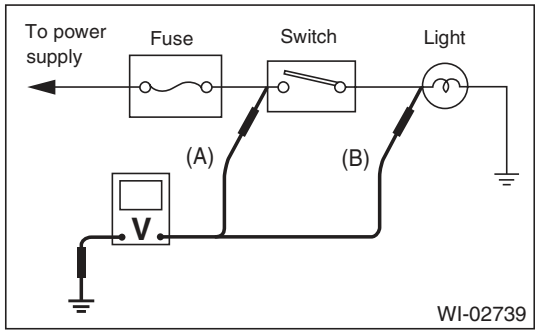
5. SYSTEM OPERATION CHECK

After repairing, ensure that the system operates properly.

B: BASIC INSPECTION

1. VOLTAGE MEASUREMENT

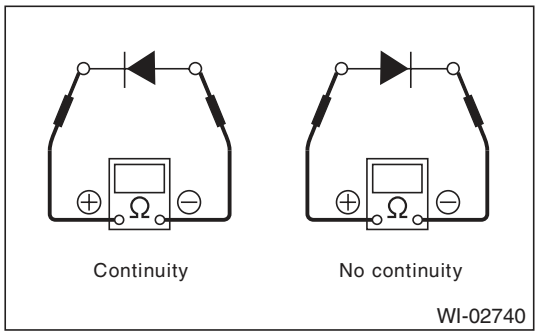
1) Using a voltmeter, connect the negative lead to a good ground point or negative battery terminal and the positive lead to the connector or component terminal.
2) Contact the positive lead of the voltmeter on connector (A). The voltmeter will indicate a voltage.
3) Shift the positive lead to connector (B). The voltmeter will indicate no voltage.



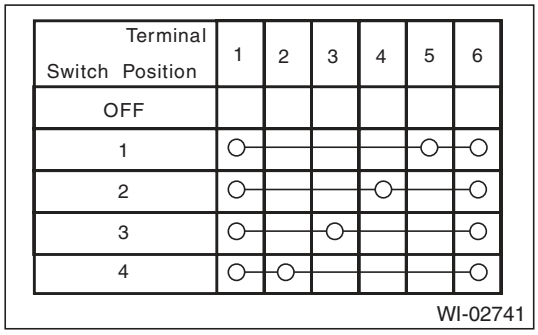
4) With the test set-up held as it is, turn the switch to ON. The voltmeter will indicate a voltage and, at the same time, the light will illuminate.
5) The circuit is in good order. If a problem such as a light failing to illuminate occurs, use the procedures outlined above to track down the malfunction.

2. CIRCUIT CONTINUITY CHECKS

1) Disconnect the battery terminal or connector so there is no voltage between the check points.
Contact the two leads of an ohmmeter to each of the check points.
If the circuit has diodes, reverse the two leads and check again.
2) Use an ohmmeter to check for diode continuity.
When contacting the negative lead to the diode positive side and the positive lead to the negative side, there should be continuity.
When contacting the two leads in reverse, there should be no continuity.



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



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

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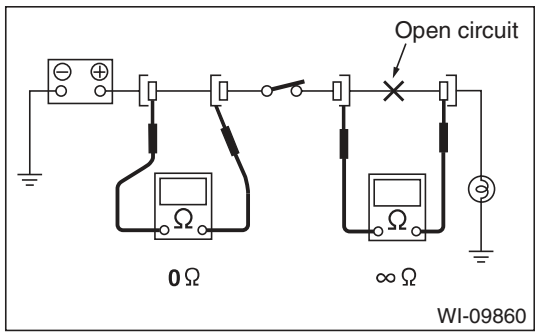
3. HOW TO DETERMINE AN OPEN CIRCUIT

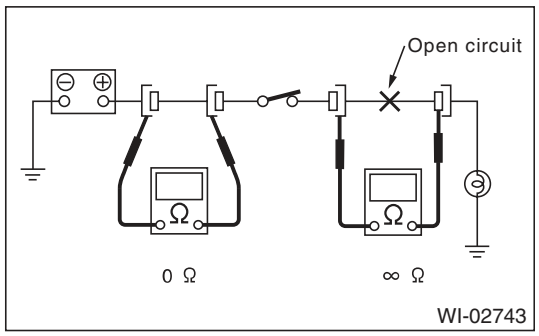
1) WITH VOLTMETER:

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:

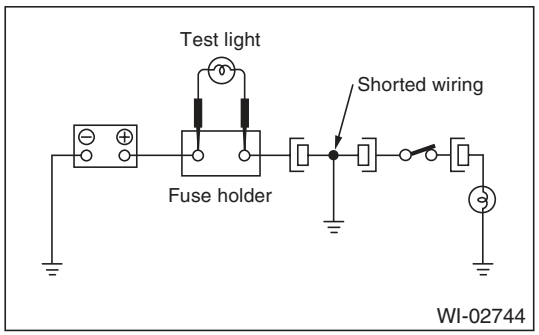
Disconnect all connectors affected, and check continuity in the wiring between adjacent connectors. When the ohmmeter indicates “infinite”, the wiring is open.



4. HOW TO DETERMINE A SHORT CIRCUIT

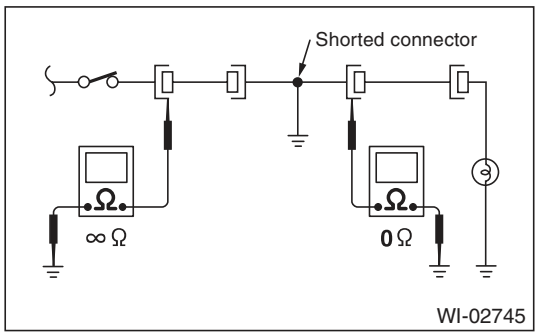
1) WITH TEST LIGHT:

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.

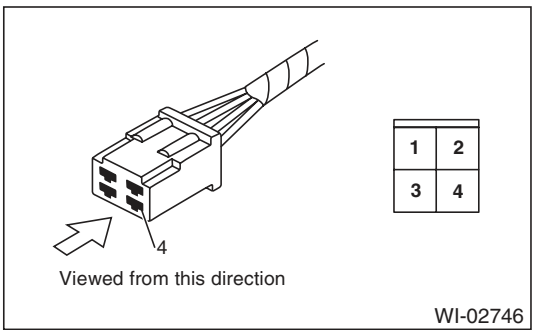


C: HOW TO READ WIRING DIAGRAMS

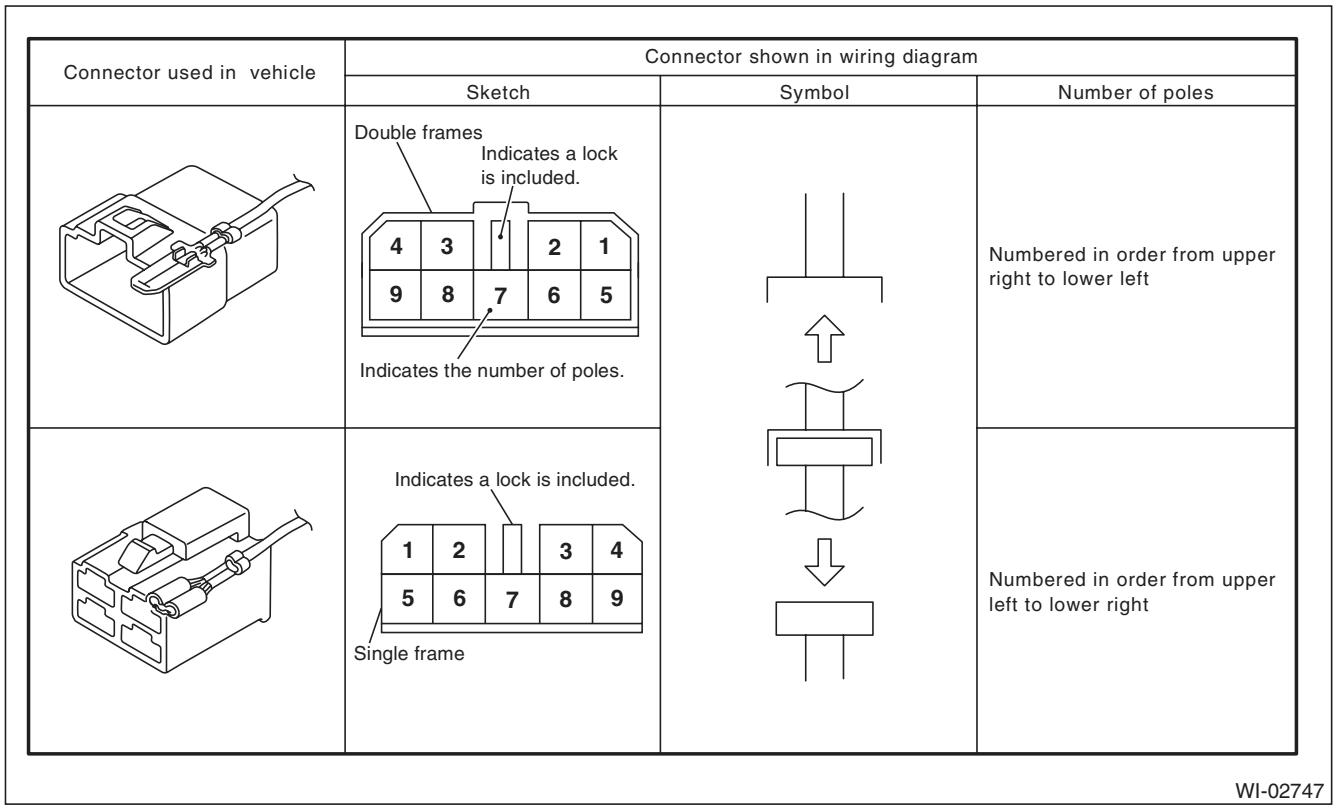
1. WIRING DIAGRAM

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:

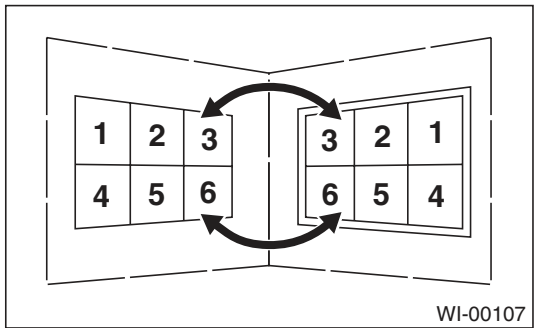
• Each connector and its terminal position are indicated by a sketch of the connector in a disconnected state which is viewed from the front.



• 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.



• When one set of connectors is viewed from the front side, the pole numbers of one connector are symmetrical to those of the other. When these two connectors are connected as a unit, the poles which have the same number are joined.



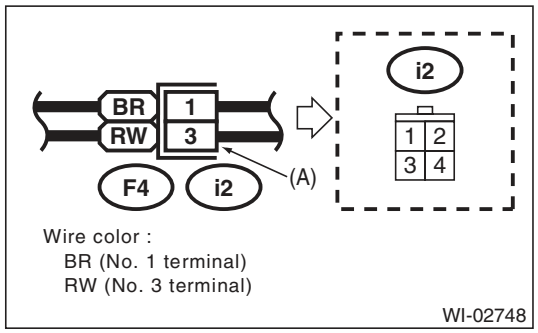
• WIRING DIAGRAM:

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

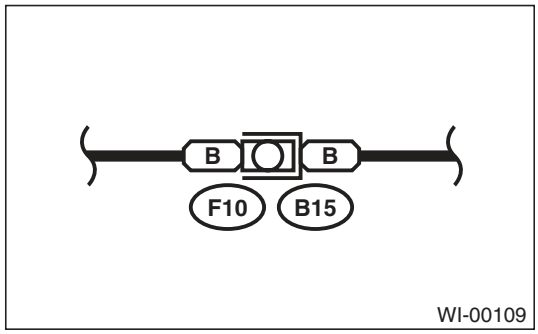
• The sketch of each connector in the wiring diagram usually shows the (A) side of the connector. The relationship between the wire color, terminal number and connector is described in the figure.

NOTE:

A wire which runs in one direction from a connector terminal sometimes may have a different color from that which runs in the other direction from that terminal.

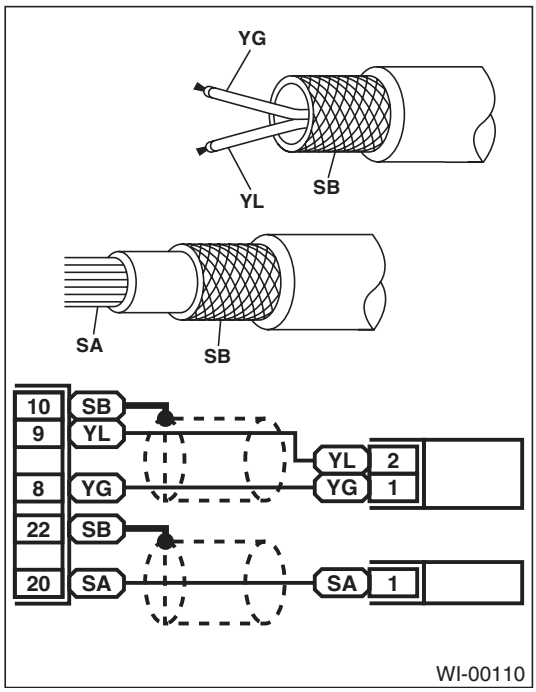


• In the wiring diagram, connectors which have no terminal number refer to one-pole types. Sketches of these connectors are omitted intentionally.

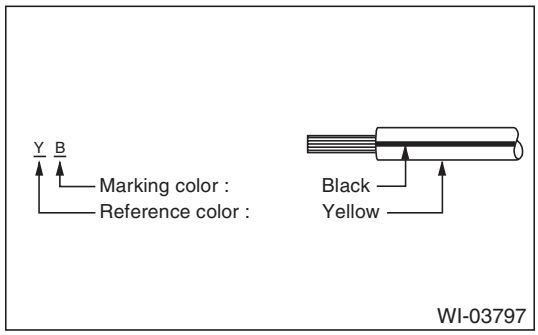


• The following color codes are used to indicate the colors of the wires.

Color code	Color
L	Blue
B	Black
Y	Yellow
G	Green
R	Red
W	White
Br	Brown
Lg	Light green
Gr	Gray
P	Pink
Or	Orange
Sb	Light blue
V	Violet
SA	Sealed (Inner)
SB	Sealed (Outer)



• The wire color code, which consists of two letters (or three letters including Br or Lg), indicates the standard color (base color of the wire covering) by its first letter and the stripe marking by its second letter.



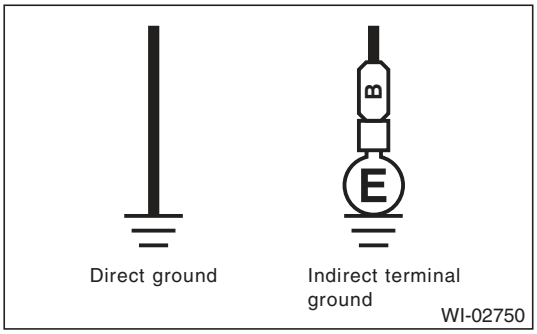
• The table lists the nominal sectional areas and allowable currents of the wires.

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

NOTE:
• The allowable current in the table indicates the tolerable amperage of each wire at an ambient temperature of 40°C (104°F).
• The allowable current changes with ambient temperature. Also, it changes if a bundle of more than two wires is used.

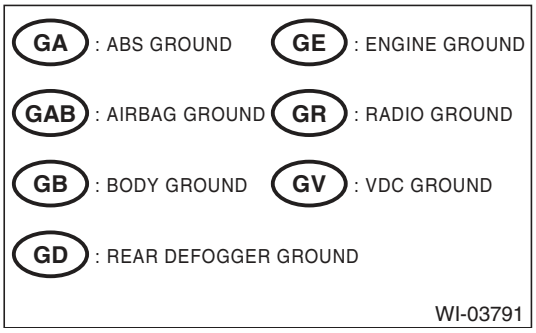
Nominal sectional area mm^2	No. of strands/ strand diameter	Outside diameter of wiring mm	Allowable current Amps/ 40°C (104°F)
0.3	7/0.26	1.8	7
0.5	7/0.32	2.2 (or 2.0)	12
0.75	30/0.18	2.6 (or 2.4)	16
0.85	11/0.32	2.4 (or 2.2)	16
1.25	16/0.32	2.7 (or 2.5)	21
2	26/0.32	3.1 (or 2.9)	28
3	41/0.32	3.8 (or 3.6)	38
5	65/0.32	4.6 (or 4.4)	51
8	50/0.45	5.5	67

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



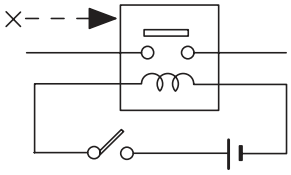
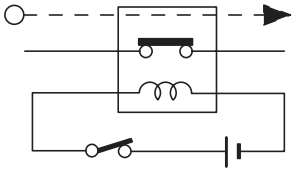
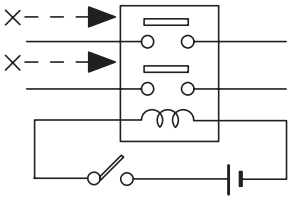
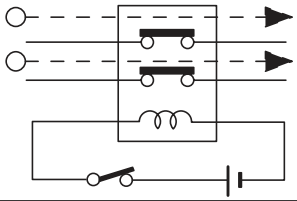
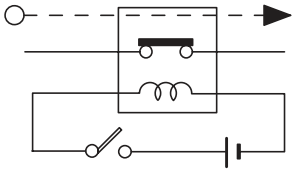
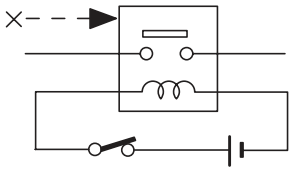
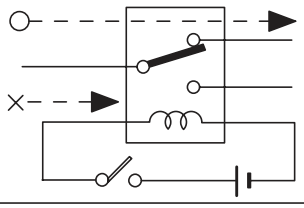
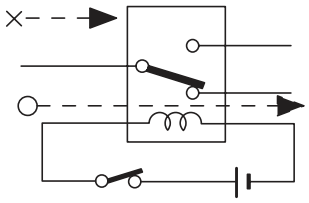
• The ground points shown in the wiring diagram refer to the following:

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



- 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.

Relay type		Energizing circuit OFF	Energizing circuit ON
Normally-open type	4-pole		
	6-pole		
Normally-closed type	4-pole		
Mixed type	6-pole		

Key to symbols:

○ ⟶ : Current flows.

× ⟶ : Current does not flow.

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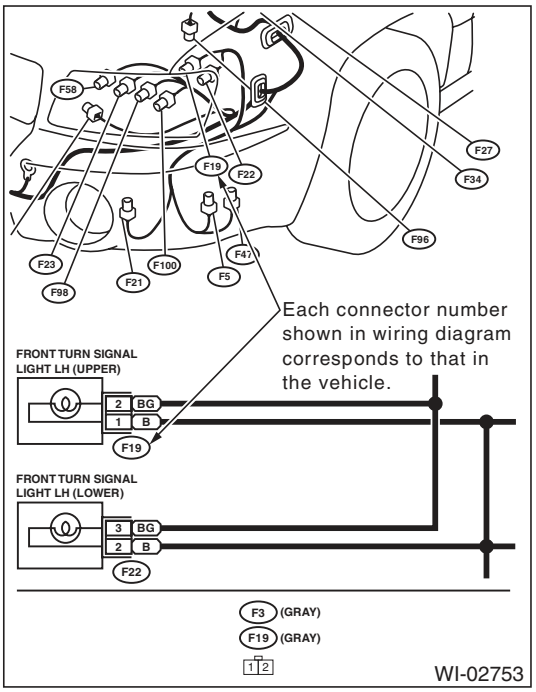
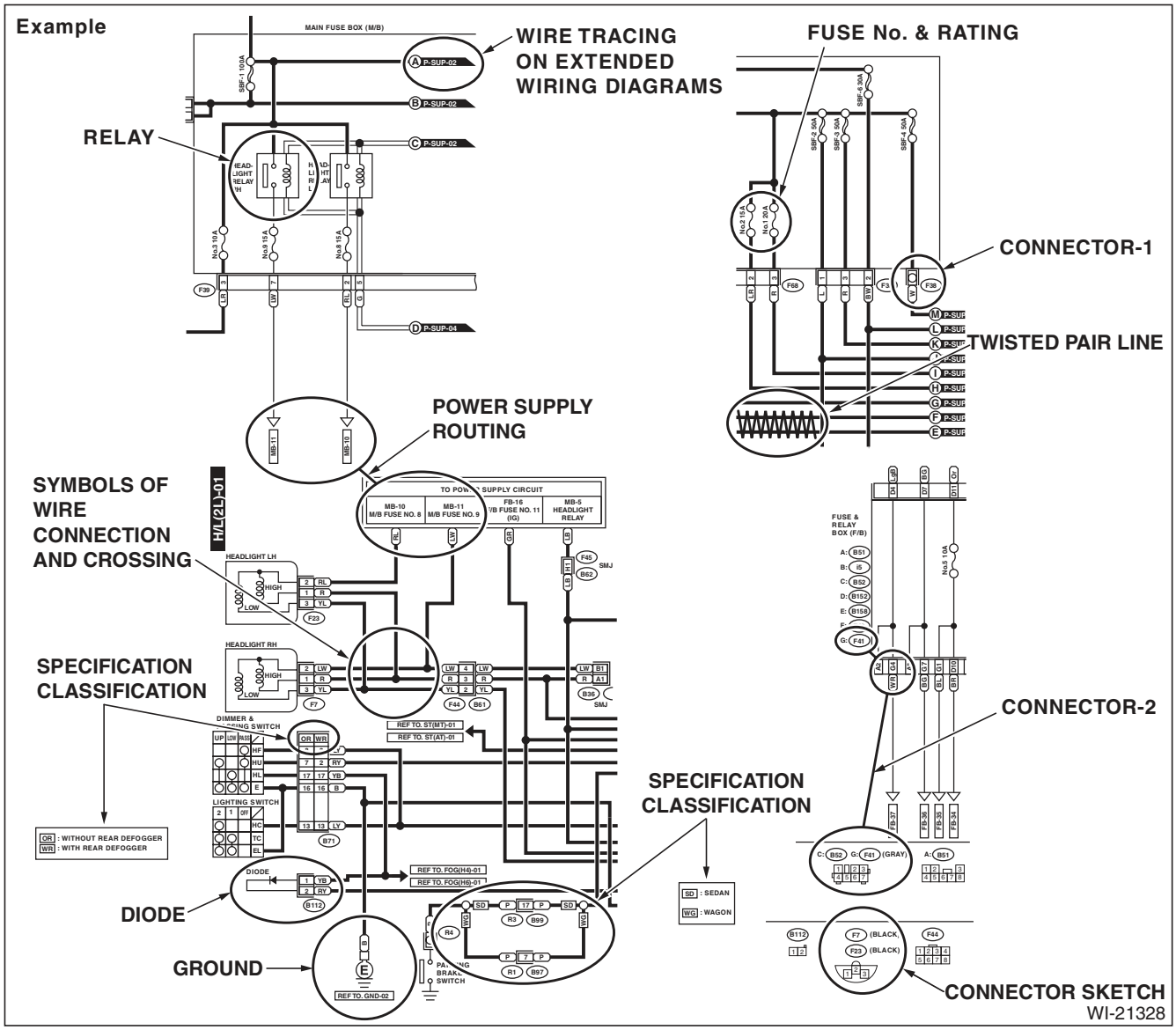
• Each connector number shown in the wiring diagram corresponds to that in the wiring harness. The location of each connector in the actual vehicle is determined by reading the first character of the connector (for example, a “F” for F8, “i” for i16, etc.) and the type of wiring harness. The first character of each connector number corresponds to the area or system of the vehicle.

Symbol	Wiring harness and cord
F	Front wiring harness
B	Bulkhead wiring harness
E	Engine wiring harness
T	Transmission cord
D	Door cord LH & RH, Rear gate cord Rear door cord LH & RH, Rear defogger cord
i	Instrument panel wiring harness
R	Rear wiring harness, Fuel tank cord, Roof cord, Rear gate cord, Rear defogger ground cord (Sedan model)
AB	Airbag wiring harness



D: SYMBOLS IN WIRING DIAGRAMS

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



WI-21328

1. RELAY

A symbol used to indicate a relay.

2. CONNECTOR 1

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

3. WIRING CONNECTION

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

4. FUSE NO. & RATING

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

5. CONNECTOR 2

- Each connector is indicated by a symbol.
- Each terminal number is indicated in the corresponding wiring diagram in an abbreviated form.
- For example, terminal number “G4” refers to No. 4 terminal of connector (G: F41) shown in the connector sketch.

6. CONNECTOR SKETCH

- Each connector sketch clearly identifies the shape and color of a connector as well as terminal locations. Non-colored connectors are indicated in white or natural color.
- When more than two types of connector number are indicated in a connector sketch, it means that the same type connectors are used.

7. GROUND

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

8. DIODE

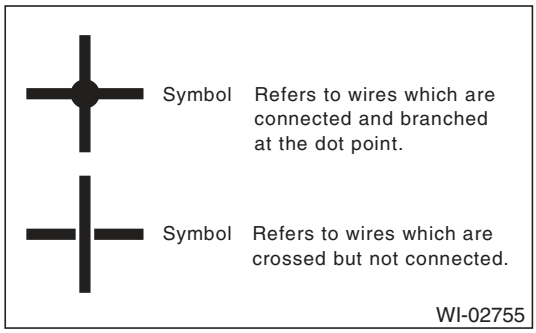
A symbol is used to indicate a diode.

9. WIRE TRACING ON EXTENDED WIRING DIAGRAMS

For a wiring diagram extending over at least two pages, a symbol (consisting of the same characters with arrows), facilitates wire tracing from one page to the next.

A ←→ A, B ←→ 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 “POWER SUPPLY CIRCUIT” in the wiring diagram.

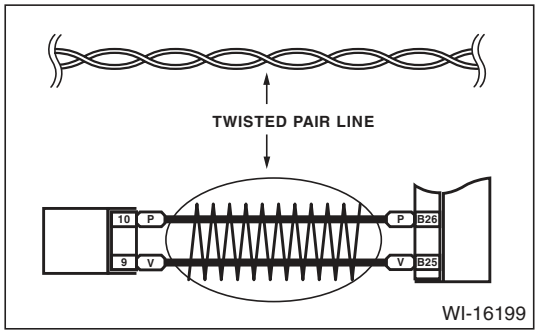
Accordingly, using the “POWER SUPPLY CIRCUIT” and wiring diagrams permits service personnel to understand the entire electrical arrangement of a system.

12.CLASSIFICATION BY SPECIFICATION

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

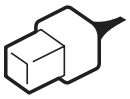
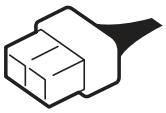
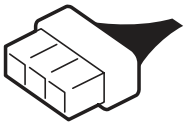
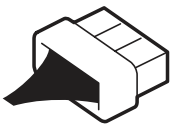
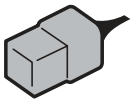
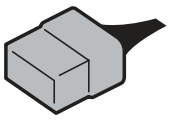
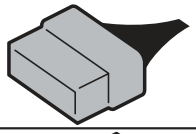
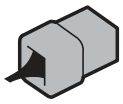
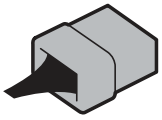
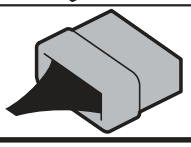
13.TWISTED PAIR LINE

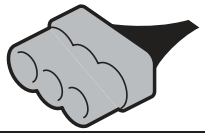
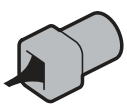
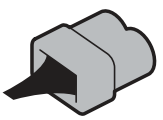
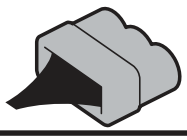
The twisted pair line is indicated by a symbol in the wiring diagrams.



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
A/B	Airbag
A/C	Air Conditioner
A/F	Air/Fuel (Air fuel ratio sensor)
ABS	Anti-lock Brake System
ACC	Accessory
ALT	Generator
ASSY	Assembly
AT	Automatic Transmission
ATF	Automatic transmission fluid
AWD	All Wheel Drive
B, BAT	Battery
CAN	Communication Area Network
CPU	Central Processing Unit
D	Drive Range
D, DN	Down
E	Ground
ECO	Economy
ECM	Engine Control Module (ECM)
EGR	Exhaust Gas Recirculation
F/B	Fuse & Relay box
FL	Front Left
FR	Front Right
FWD	Front Wheel Drive
G	Gravity (G sensor)
H/L	Headlight
HI	High
HID	High Intensity Discharge
I/F	Interface
IG	Ignition
Illumi.	Illumination
INT	Intermittent
LCD	Liquid Crystal Display
LH	Left Hand
Lo	Low
M	Motor
M/B	Main Fuse Box
MG	Magnet
Mi	Middle
MT	Manual Transmission
MID	Multi Information Display
MIST	Wiper mist (One-touch)
MT	Manual Transmission
N	Neutral Range
NA	Natural Aspiration
NAVI	Navigation
OP	Optional Parts or Open
P	Parking Range
PASS	Passing

Abbr.	Full name
PCV	Positive Crankcase Ventilation Valve
R	Reverse Range
R, RH	Right Hand
RL	Rear Left
RR	Rear Right
SBF	Slow Blow Fuse
SI-DRIVE	SUBARU Intelligent Drive
S/S	SPORT Shift
ST	Starter
SW	Switch
TB	Turbo
TCM	Transmission Control Module
TPM	Tire Pressure Monitor
TPMS	Tire Pressure Monitor System
TV	Television
U, UP	Up
VDC	Vehicle Dynamics Control
VICS	Vehicle Information and Communication System
WASH	Washer

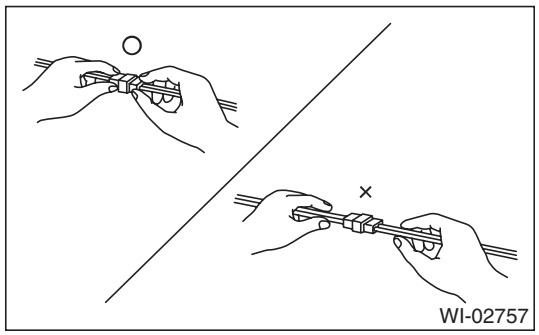
2. Working Precautions

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

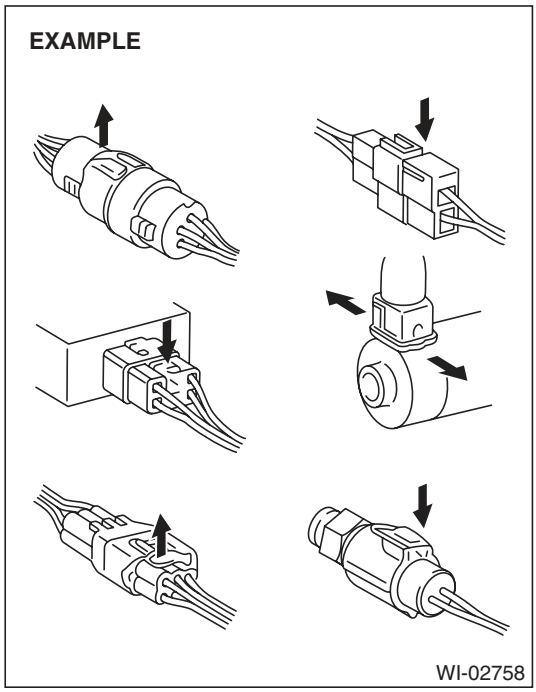
1) When working under a vehicle which is jacked-up, always be sure to use rigid rack.
2) The parking brake must always be applied during working. Also, in automatic transmission vehicles, keep the select lever set to the P (Parking) range.
3) Be sure the workshop is properly ventilated when running the engine. Further, be careful not to touch the belt or fan while the engine is operating.
4) Be careful not to touch hot metal parts, especially the radiator and exhaust system immediately after the engine has been turned off.

B: PRECAUTIONS IN TROUBLE DIAGNOSIS AND REPAIR OF ELECTRIC PARTS

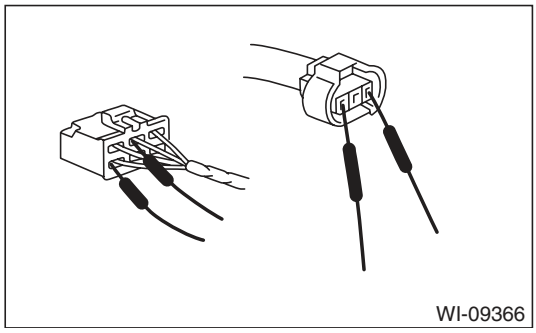
1) The battery cable must be disconnected from the battery's (–) terminal, and the ignition switch must be set to the OFF position, unless otherwise required by the diagnostics.
2) Securely fasten the wiring harness with clamps and clips so that the harness does not interfere with the body end parts or edges and bolts or screws.
3) When installing parts, be careful not to catch them on the wiring harness.
4) When disconnecting a connector, do not pull the wires, but pull while holding the connector body.



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



6) When checking continuity between connector terminals, or measuring voltage across the terminal and ground, always contact tester probe(s) on terminals from the wiring connection side. If the probe is too thick to gain access to the terminal, use "mini" test leads.
To check water-proof connectors (which are not measurable from the wiring side), contact test probes on the terminal side. Be careful not to bend or damage the terminals.



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

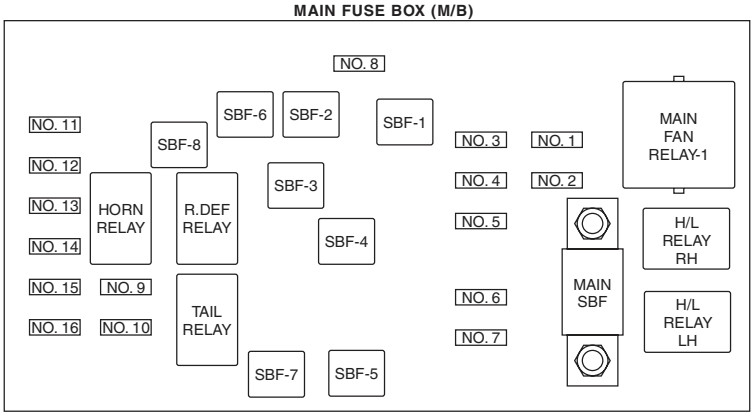
3. Power Supply Circuit

A: WIRING DIAGRAM

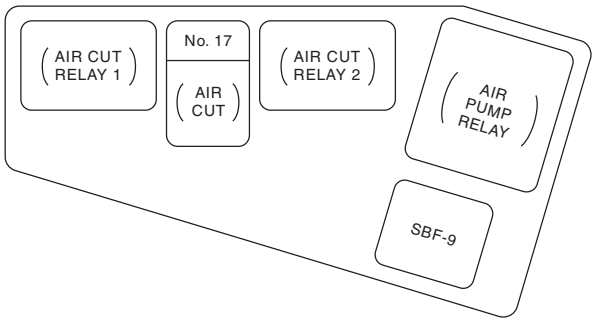
P-SUP-01

P-SUP-01

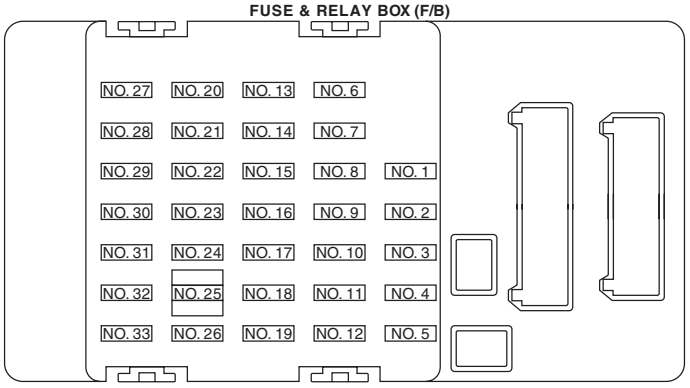
MAIN FUSE BOX (M/B)



SECONDARY AIR FUSE & RELAY BOX



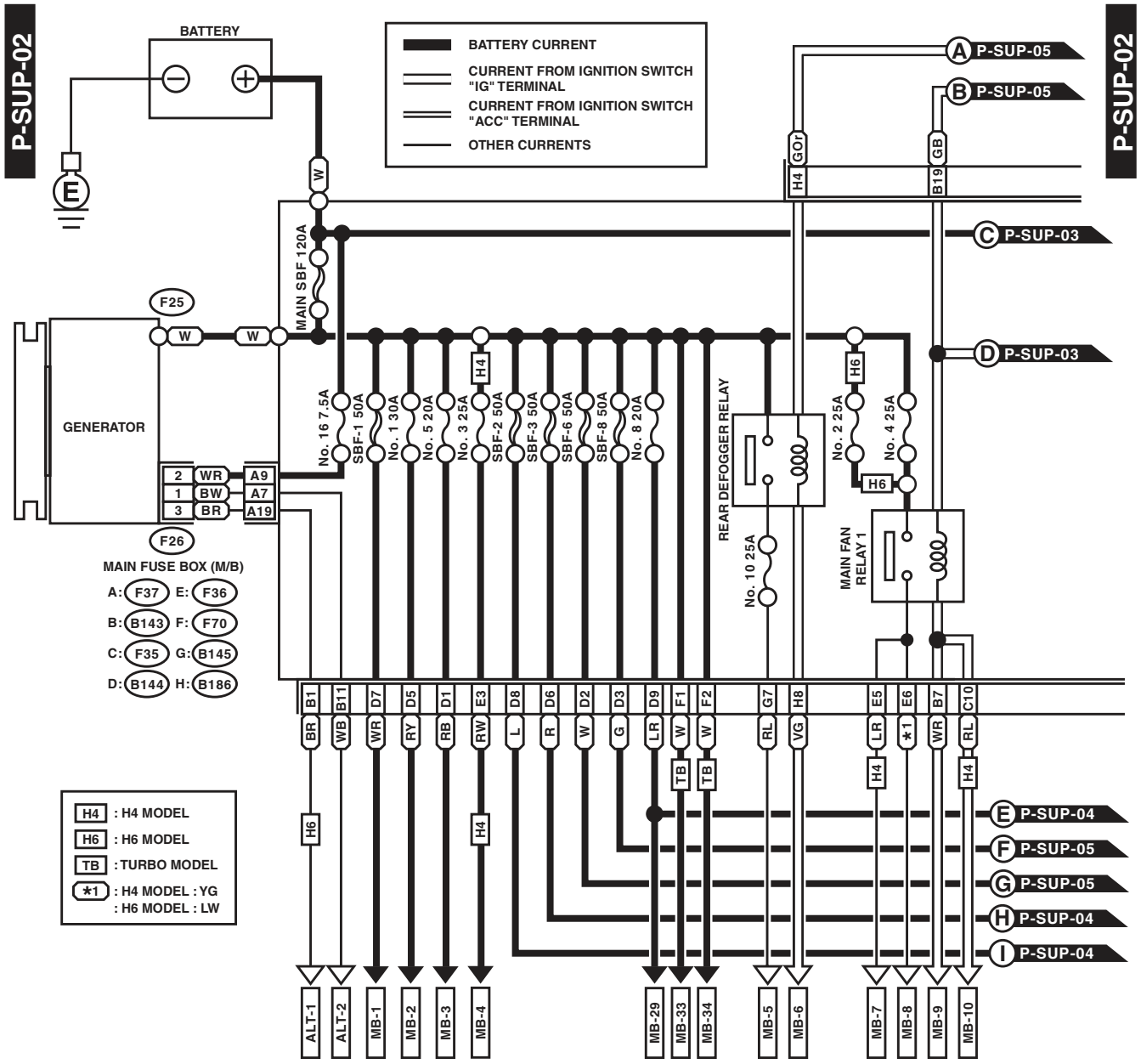
FUSE & RELAY BOX (F/B)

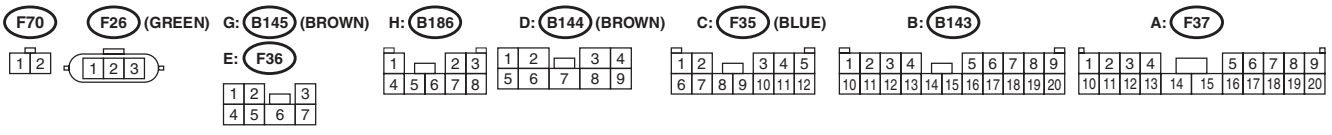


WI-13119

Power Supply Circuit

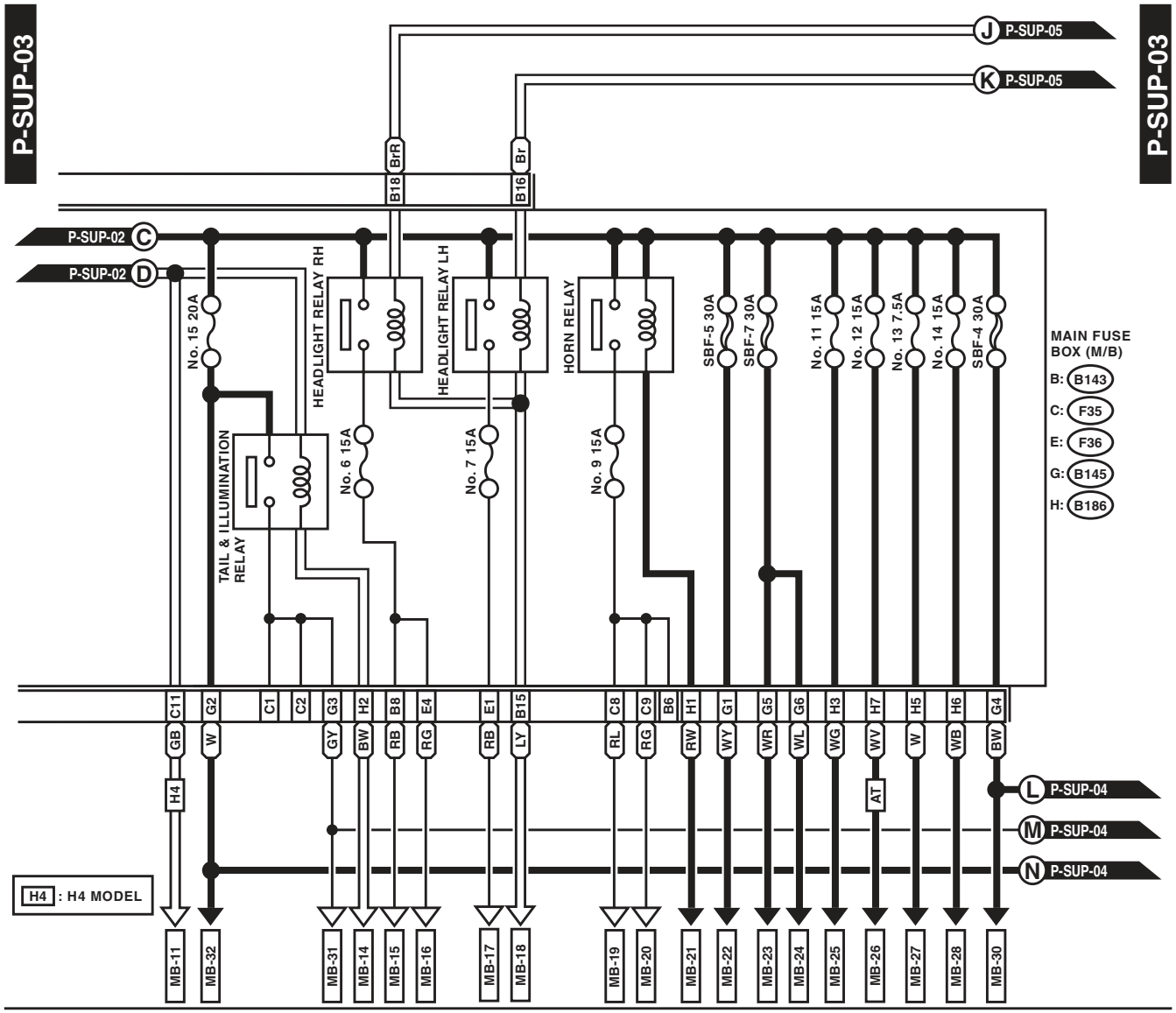
WIRING SYSTEM





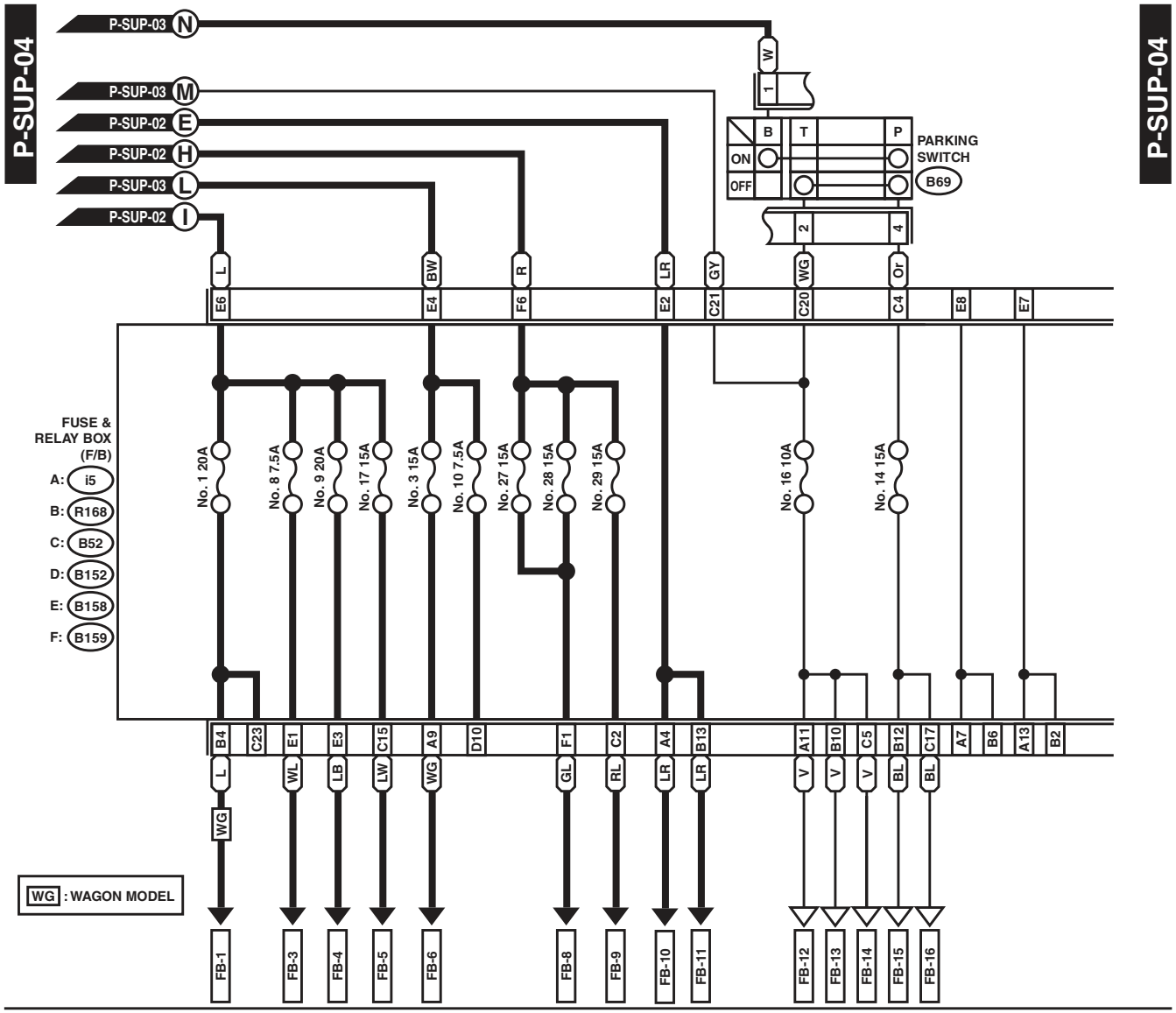
WI-22087

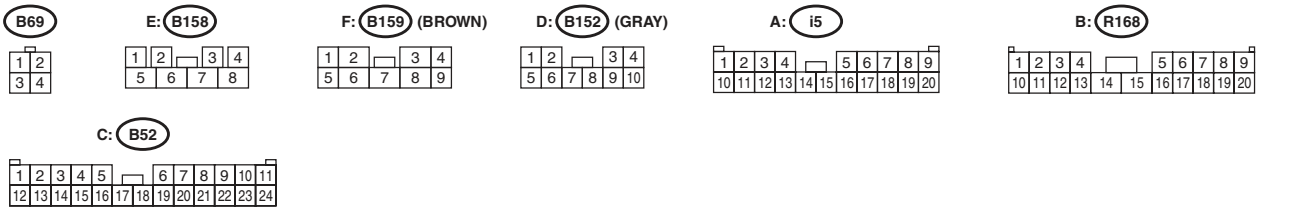
Power Supply Circuit



WI-15748

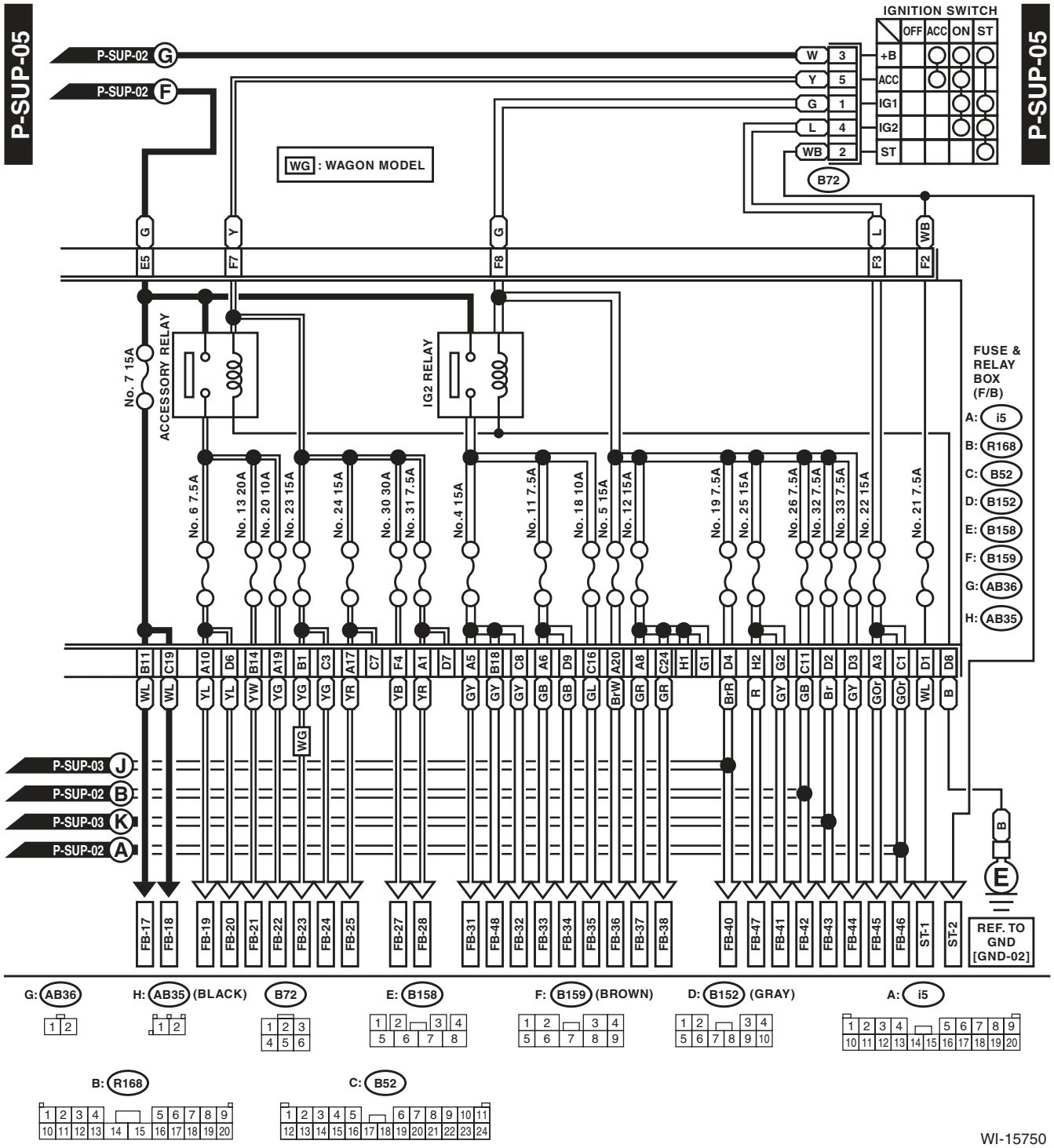
WIRING SYSTEM





WI-22088

Power Supply Circuit



WI-15750

No.	Load
MB-1	ABS control module
	VDC control module
MB-2	ABS control module
	VDC control module
MB-3	Audio amplifier (Premium audio)
MB-4	Sub fan relay
MB-5	Mirror heater relay (with mirror heater)
	Rear defogger
	A/C control panel (rear defogger switch)
MB-6	Body integrated unit
MB-7	Main fan relay 2
MB-8	Radiator fan control unit
	Main fan motor
MB-9	ECM
MB-10	Main fan relay 2
MB-11	Main fan relay 2
MB-14	Lighting switch
MB-15	Combination meter
MB-16	Headlight RH
MB-17	Headlight LH
MB-18	Diode (Headlight)
	Daytime running light control module
MB-19	Horn
MB-20	Horn
MB-21	Horn switch
	Body integrated unit
	Remote engine start control module
MB-22	A/F, O_2 Sensor relay
	Main relay
MB-23	Main relay
	A/F, O_2 Sensor relay
MB-24	Electronic throttle control relay
MB-25	Fuel pump relay
MB-26	TCM
MB-27	ECM
	Data link connector
MB-28	Ignition switch illumination
	Key warning switch
	Turn signal and hazard unit
	Body integrated unit
MB-29	Spot map light
	Home link
	Body integrated unit
	Room light
MB-30	Power window circuit breaker
MB-31	F/B fuse No. 16
MB-32	Parking switch
MB-33	Secondary air pump relay
MB-34	Secondary air combination valve relay 1
	Secondary air combination valve relay 2

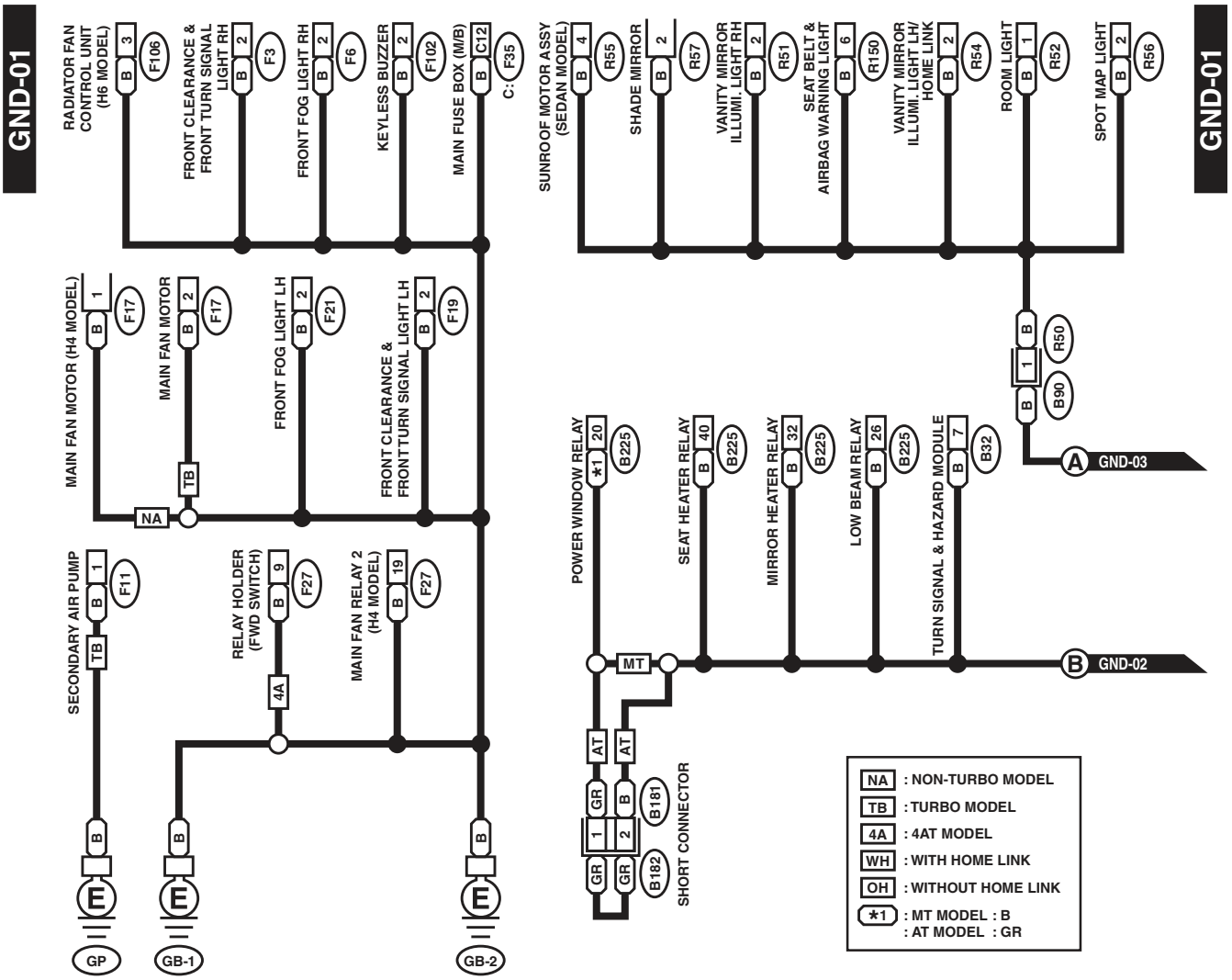
No.	Load
FB-1	Trailer connector (Wagon model)
FB-3	Stop light & brake switch
FB-4	Wiper deicer relay
	Mirror heater relay (with mirror heater)
FB-5	Seat heater relay
FB-6	Body integrated unit
FB-8	Blower motor relay
FB-9	Front fog light relay
FB-10	Audio
	Keyless entry control module
	Door step light LH
	Door step light RH
	Clock
	TV monitor
FB-11	Trunk room light (sedan model)
	Luggage room light (wagon model)
	Navigation control module
FB-12	Clock
	Combination meter
	TV monitor
FB-13	Seat heater switch
	Navigation control module
FB-14	Satellite switch
FB-17	TPM control module
	Impact sensor
	Combination meter
FB-18	Body integrated unit
	Auto A/C control module
FB-19	Remote control mirror switch
FB-20	Seat heater relay
	Vanity mirror light LH (Without home link)
	Vanity mirror light RH
	Home link
	Shade mirror
FB-21	Rear accessory power supply socket (Console box)
	Rear accessory power supply socket (cargo room)
FB-22	Front accessory power supply socket
FB-23	Rear wiper motor
FB-24	Body integrated unit
	Rear washer motor
FB-25	Audio
	Clock
	Navigation control module
	TV monitor
	Audio amplifier
FB-27	Front washer motor
	Front wiper motor
	Combination switch

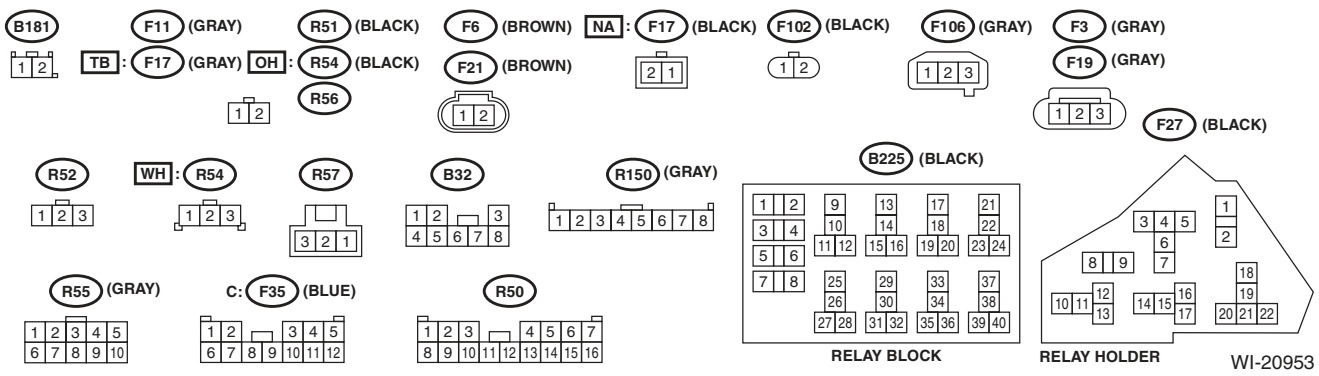
No.	Load
FB-28	Body integrated unit
FB-31	TV monitor
FB-32	ECM
	Clutch switch (MT model)
	Sunroof motor ASSY
	Seat belt & airbag warning light
	Wiper deicer relay
	Stop light and brake switch
	Sunroof switch
	Sunroof tilt switch
	Data link connector
FB-33	Clock
FB-34	Turn signal and hazard unit
FB-35	Inhibitor switch (4AT model)
	Daytime running light control module
	Back-up light switch
	Back-up light relay (5AT model)
	Low beam relay
FB-36	Combination meter
FB-37	Body integrated unit
FB-38	ECM
	TCM
	Ignition coil
	Fuel pump relay
	Rear vehicle speed sensor
FB-41	Airbag control module
FB-42	Power window relay
FB-44	ABS control module
	VDC control module
	Steering angle sensor
	Yaw rate sensor
FB-45	A/C control panel
FB-46	A/C relay
	Pressure switch
	Auto A/C control module
	Intake door actuator
	Sub fan relay
	Blower motor relay
	Mode door actuator
FB-47	Occupant detection control module
FB-48	TPM control module
	Power seat LH (with seat position memory)
	Impact sensor
ALT-1	ECM
ST-1	ECM
	Starter relay
	Clutch switch (MT model)
	Inhibitor relay (AT model)
ST-2	Starter relay

4. Ground Circuit

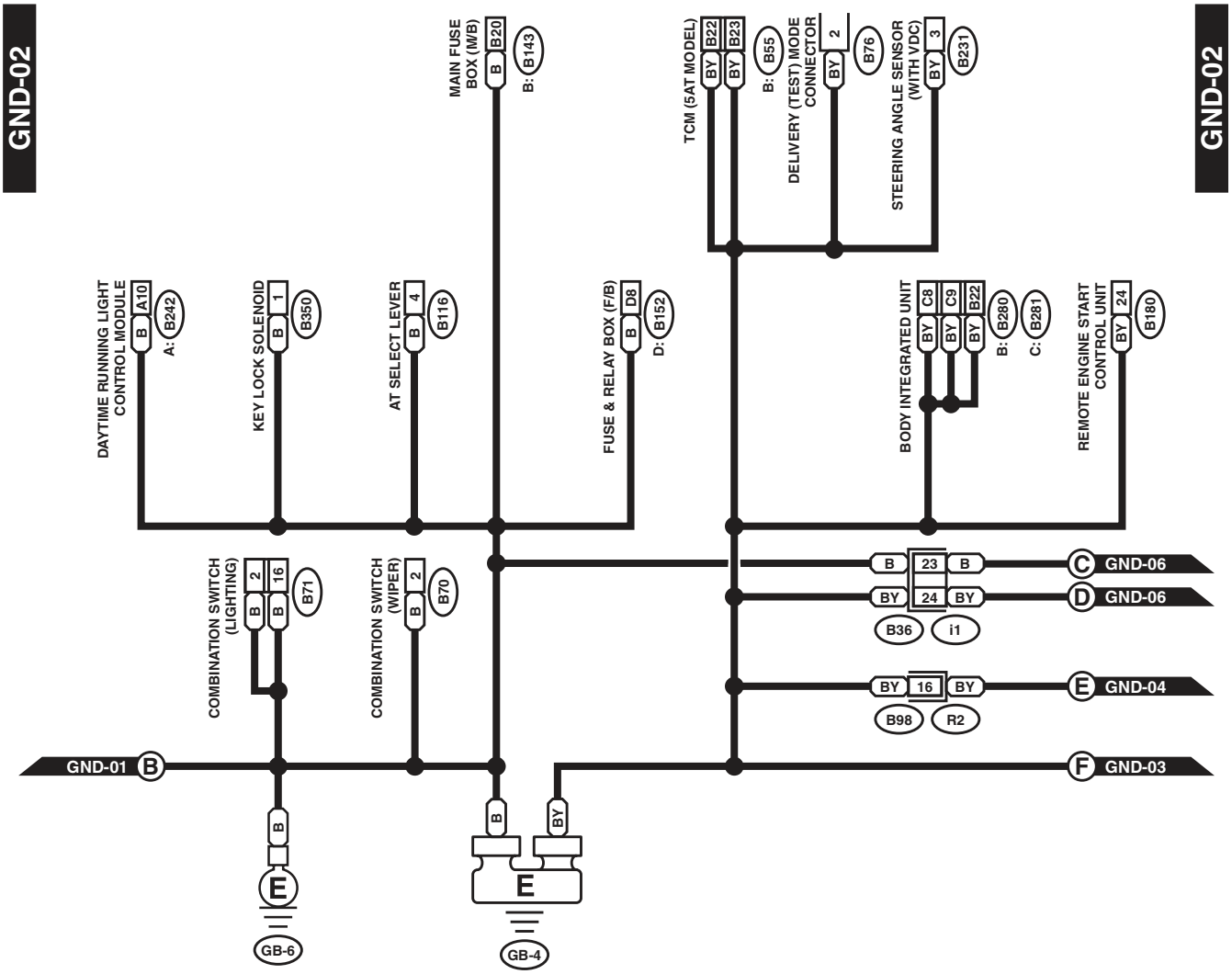
A: WIRING DIAGRAM

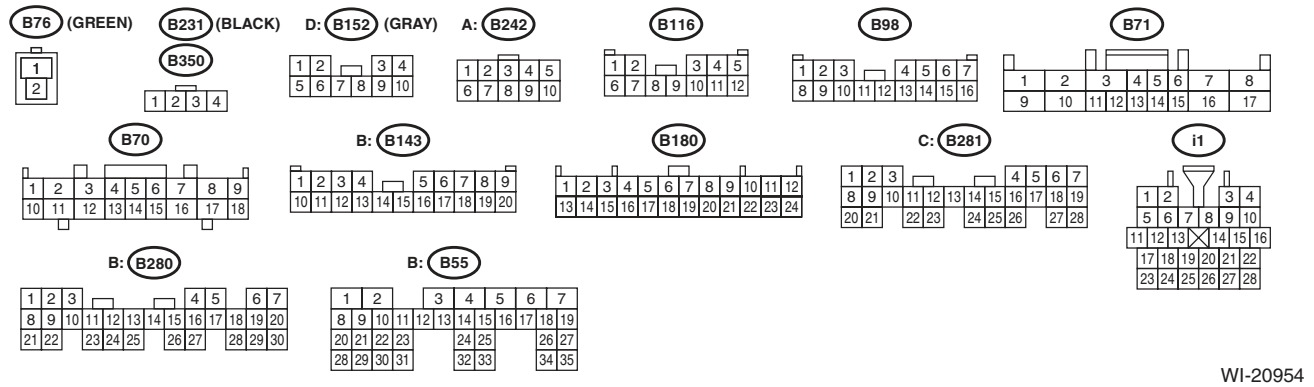
1. BODY GROUND





Ground Circuit

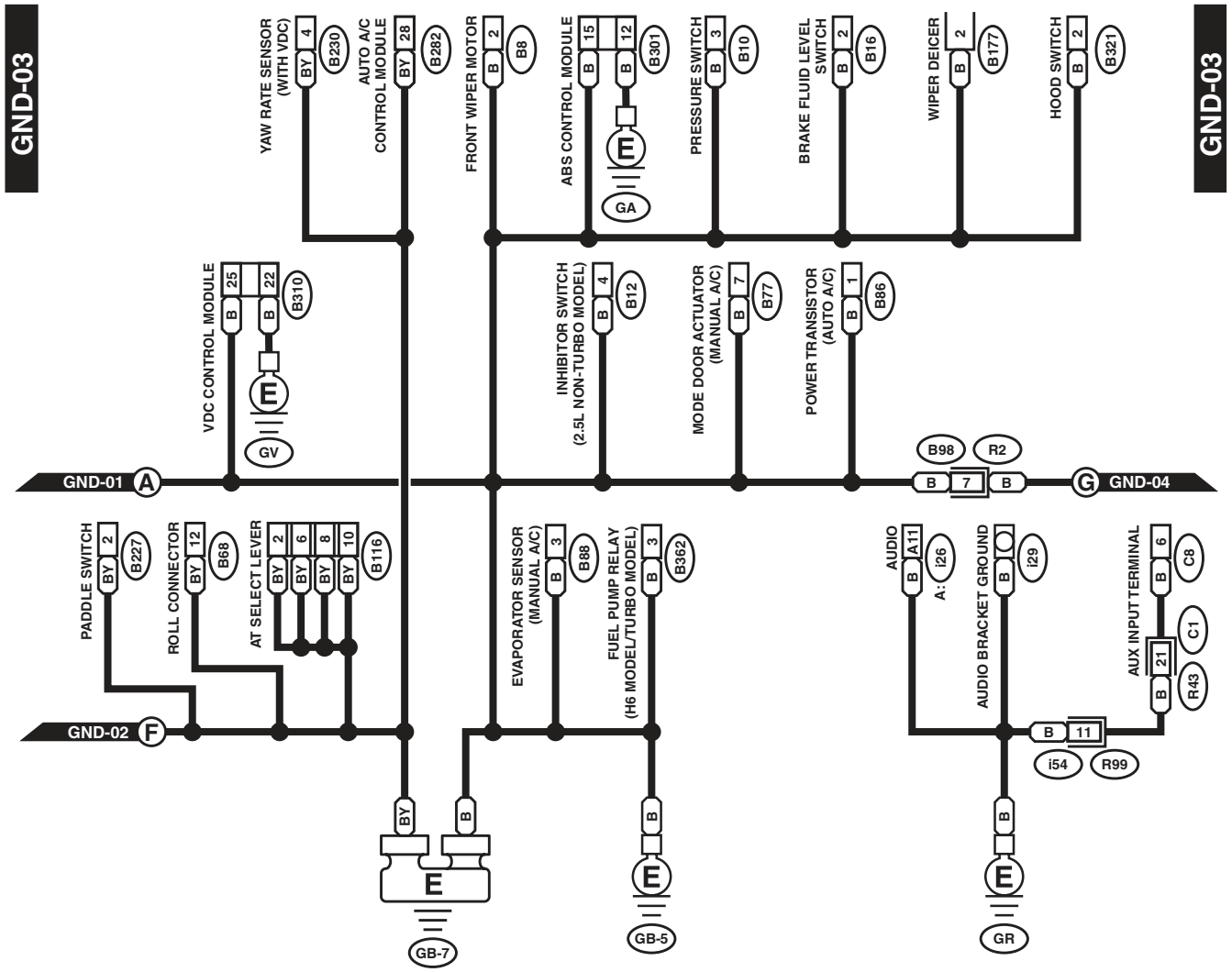


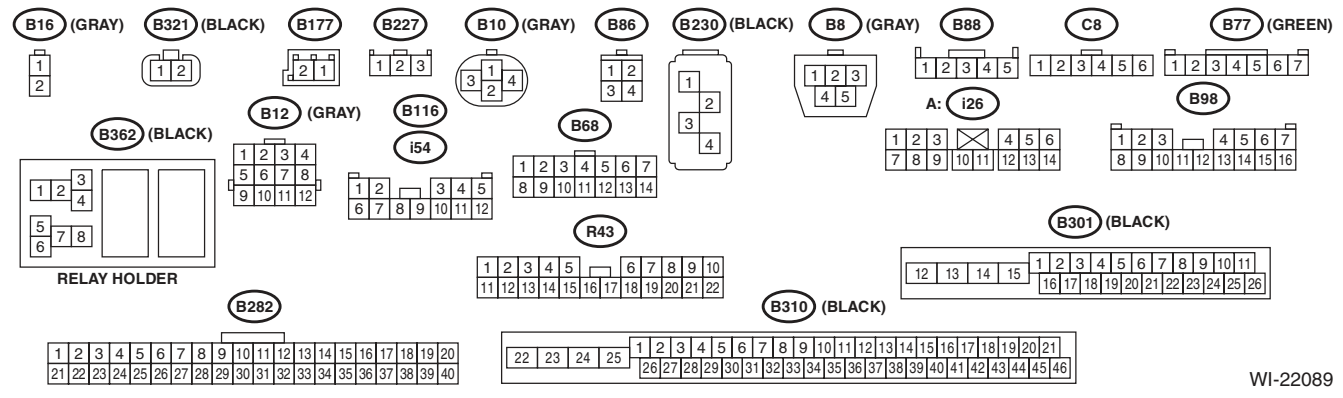


WI-20954

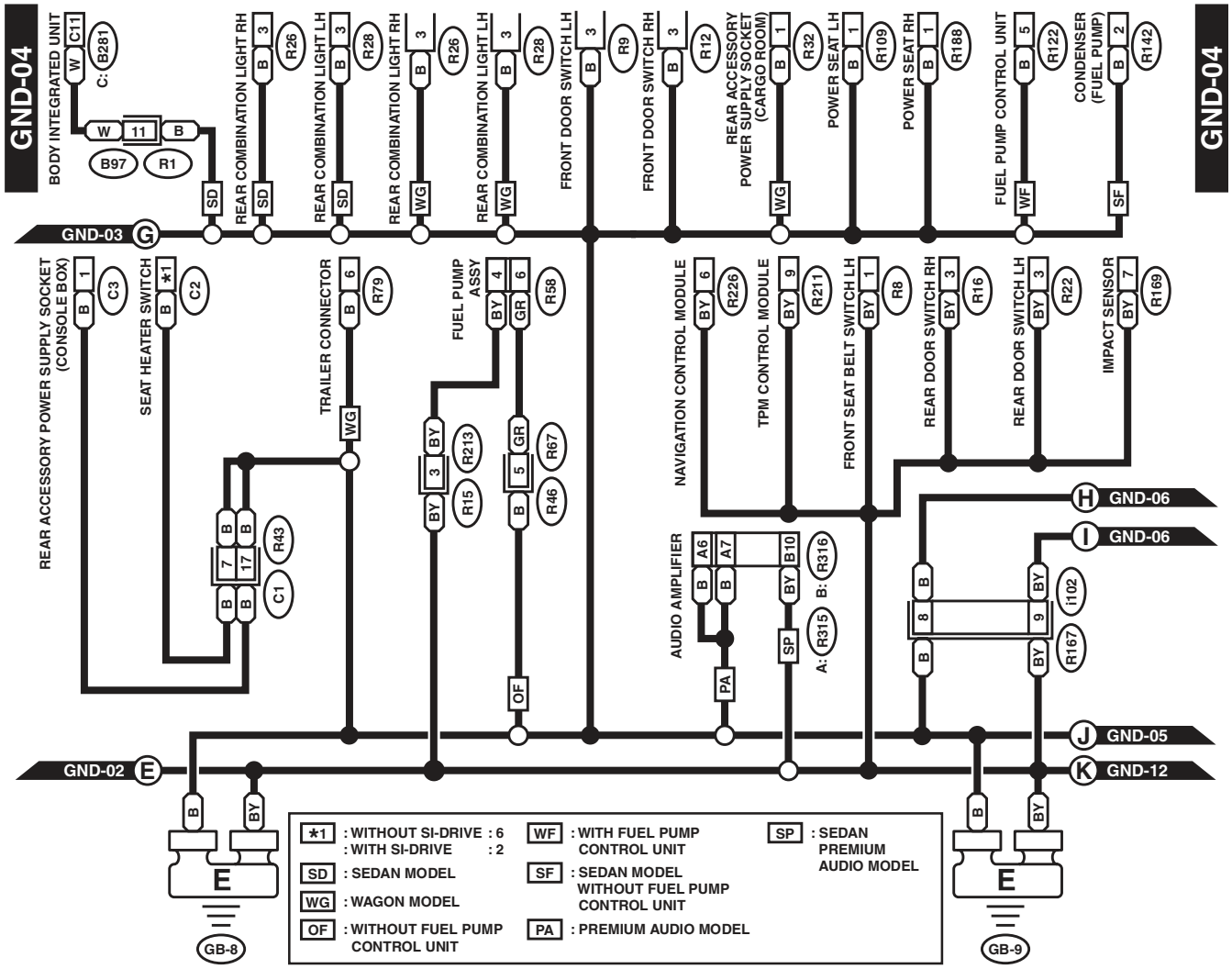
Ground Circuit

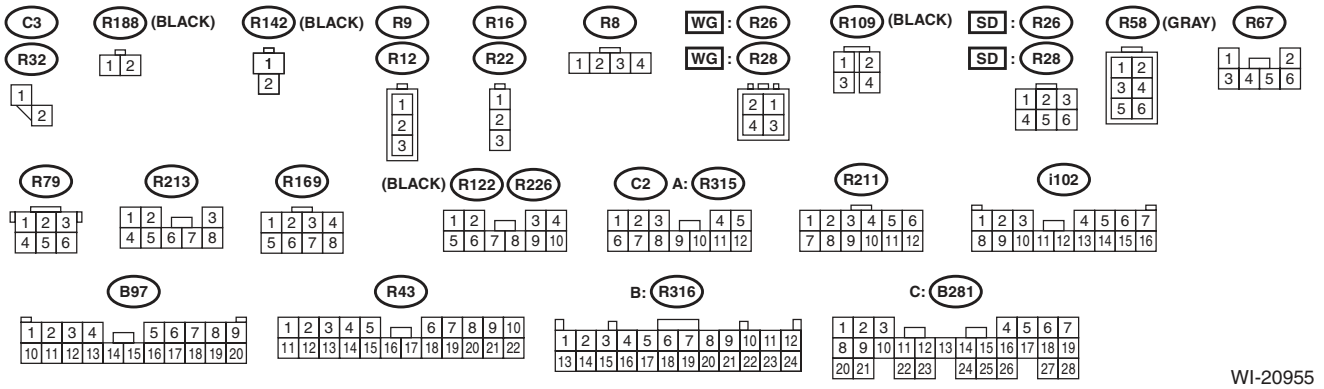
WIRING SYSTEM



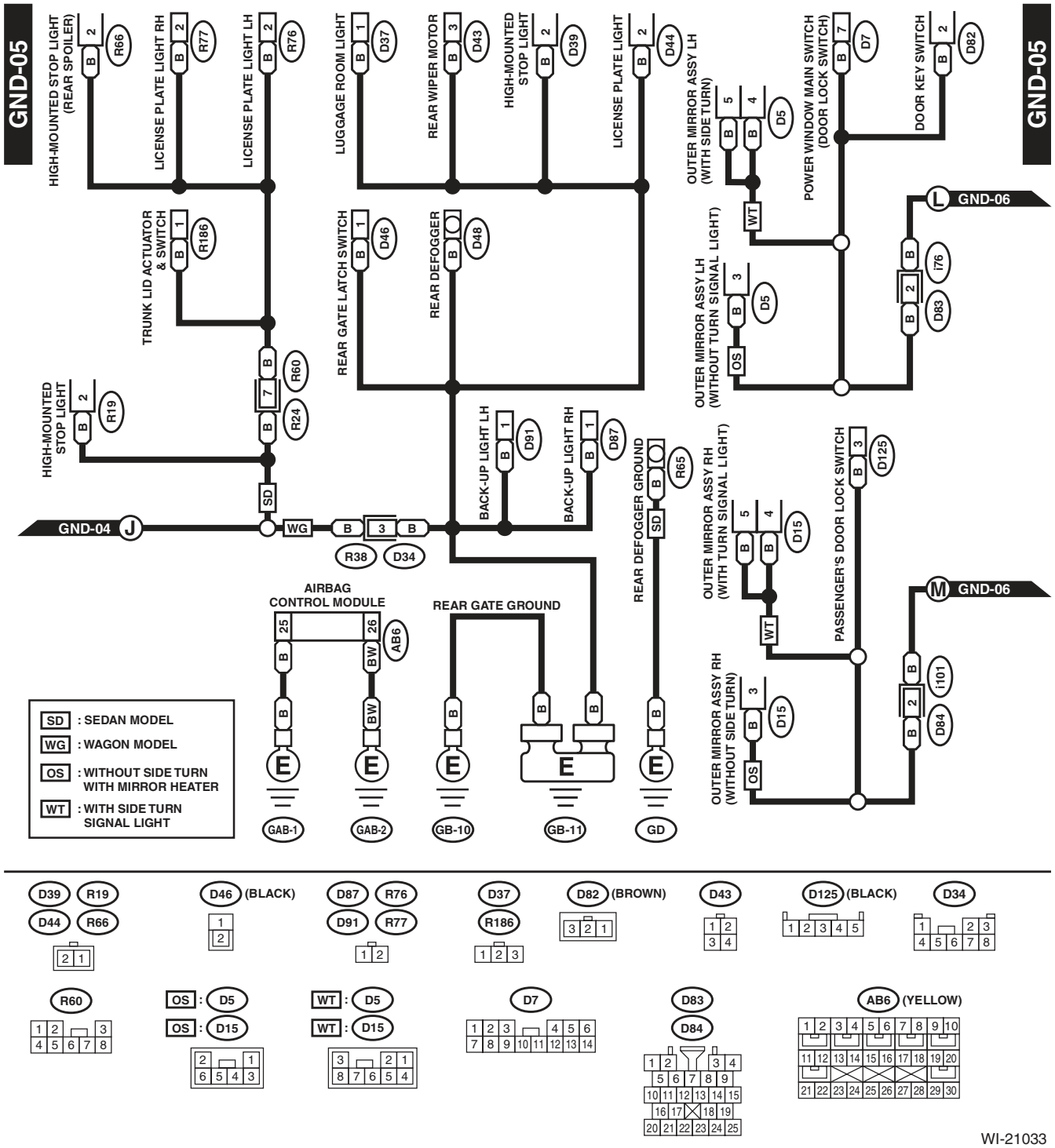


Ground Circuit





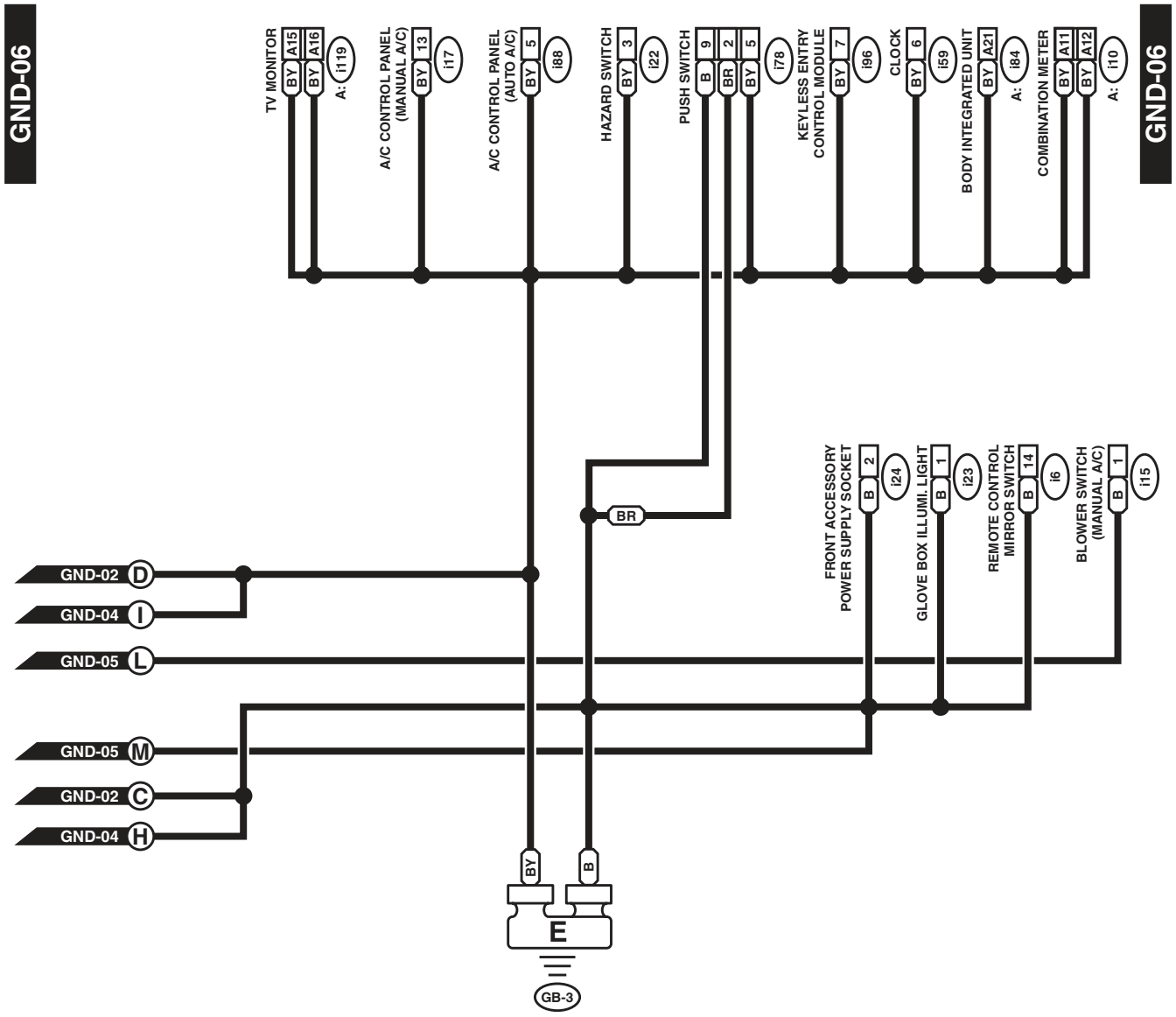
WI-20955

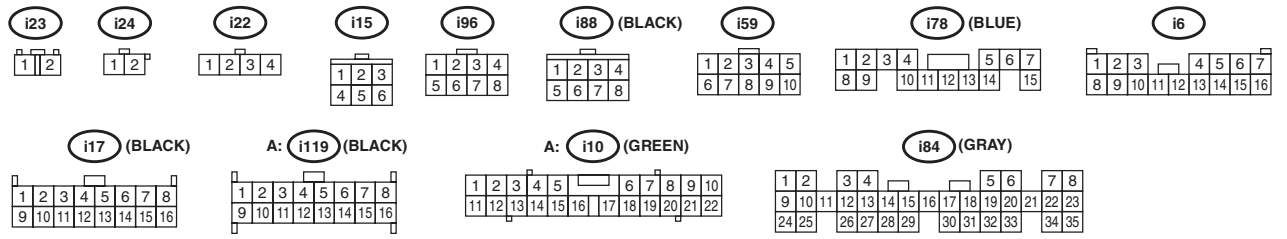

GND-05
GND-05
HIGH-MOUNTED STOP LIGHT (REAR SPOILER)
LICENSE PLATE LIGHT RH
LICENSE PLATE LIGHT LH
LUGGAGE ROOM LIGHT
REAR WIPER MOTOR
HIGH-MOUNTED STOP LIGHT
LICENSE PLATE LIGHT
OUTER MIRROR ASSY LH (WITH SIDE TURN)
POWER WINDOW MAIN SWITCH (DOOR LOCK SWITCH)
DOOR KEY SWITCH
TRUNK LID ACTUATOR & SWITCH
REAR GATE LATCH SWITCH
REAR DEFOGGER
GND-06
OUTER MIRROR ASSY LH (WITHOUT TURN SIGNAL LIGHT)
HIGH-MOUNTED STOP LIGHT
BACK-UP LIGHT LH
BACK-UP LIGHT RH
REAR DEFOGGER GROUND
OUTER MIRROR ASSY RH (WITH TURN SIGNAL LIGHT)
PASSENGER'S DOOR LOCK SWITCH
GND-04
GND-06
AIRBAG CONTROL MODULE
REAR GATE GROUND
OUTER MIRROR ASSY RH (WITHOUT SIDE TURN)
SD : SEDAN MODEL
WG : WAGON MODEL
OS : WITHOUT SIDE TURN WITH MIRROR HEATER
WT : WITH SIDE TURN SIGNAL LIGHT
GAB-1
GAB-2
GB-10
GB-11
GD

D39 R19 D44 R66
D46 (BLACK)
D87 R76 D91 R77
D37 R186
D82 (BROWN)
D43
D125 (BLACK)
D34
R60
OS : D5 OS : D15
WT : D5 WT : D15
D7
D83 D84
AB6 (YELLOW)

WI-21033

Ground Circuit

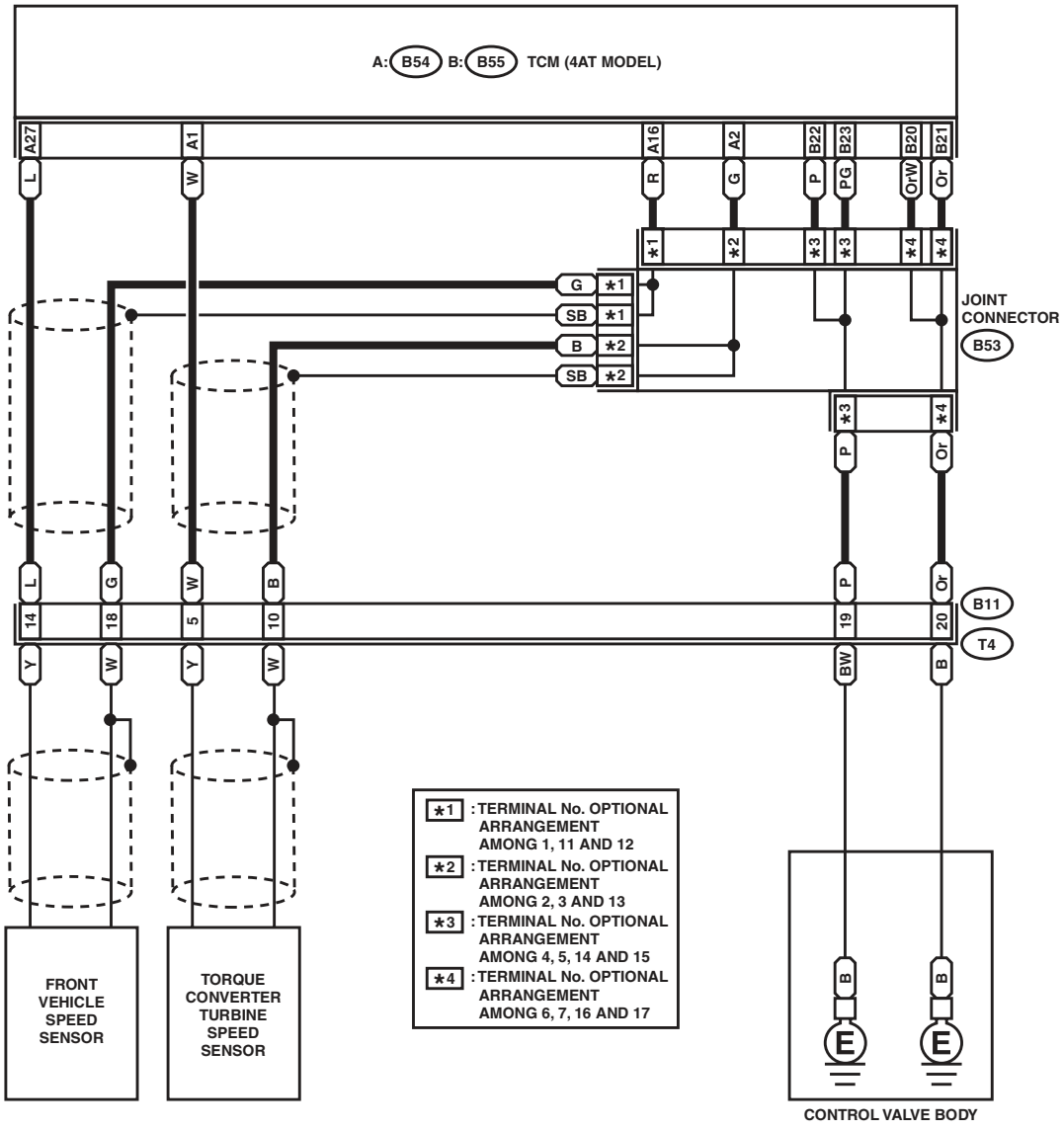


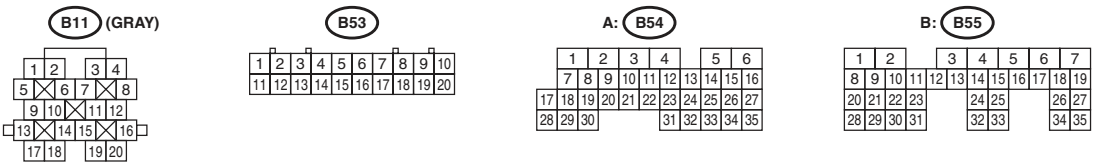


WI-20956

2. AT TRANSMISSION GROUND (4AT MODEL)

GND-07

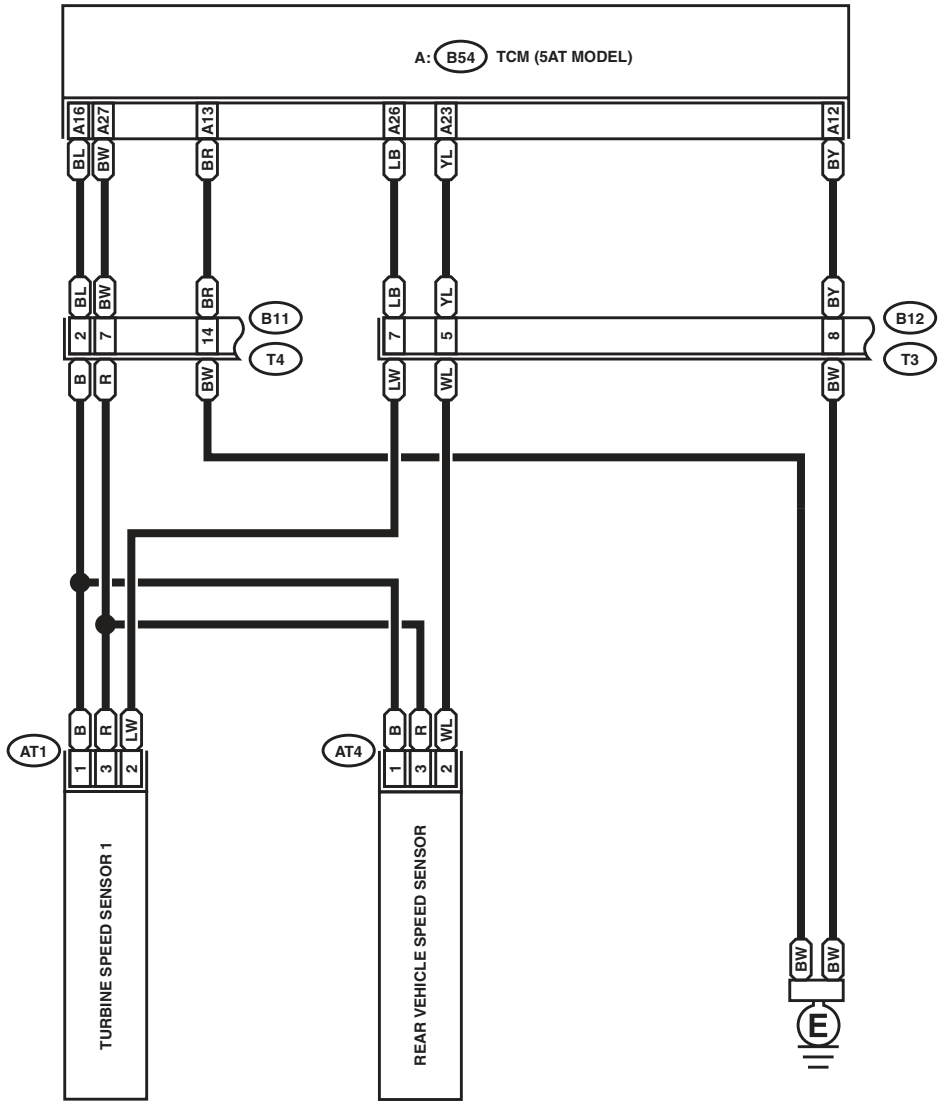


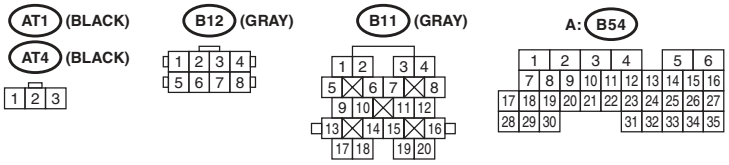


WI-20957

3. AT TRANSMISSION GROUND (5AT MODEL)

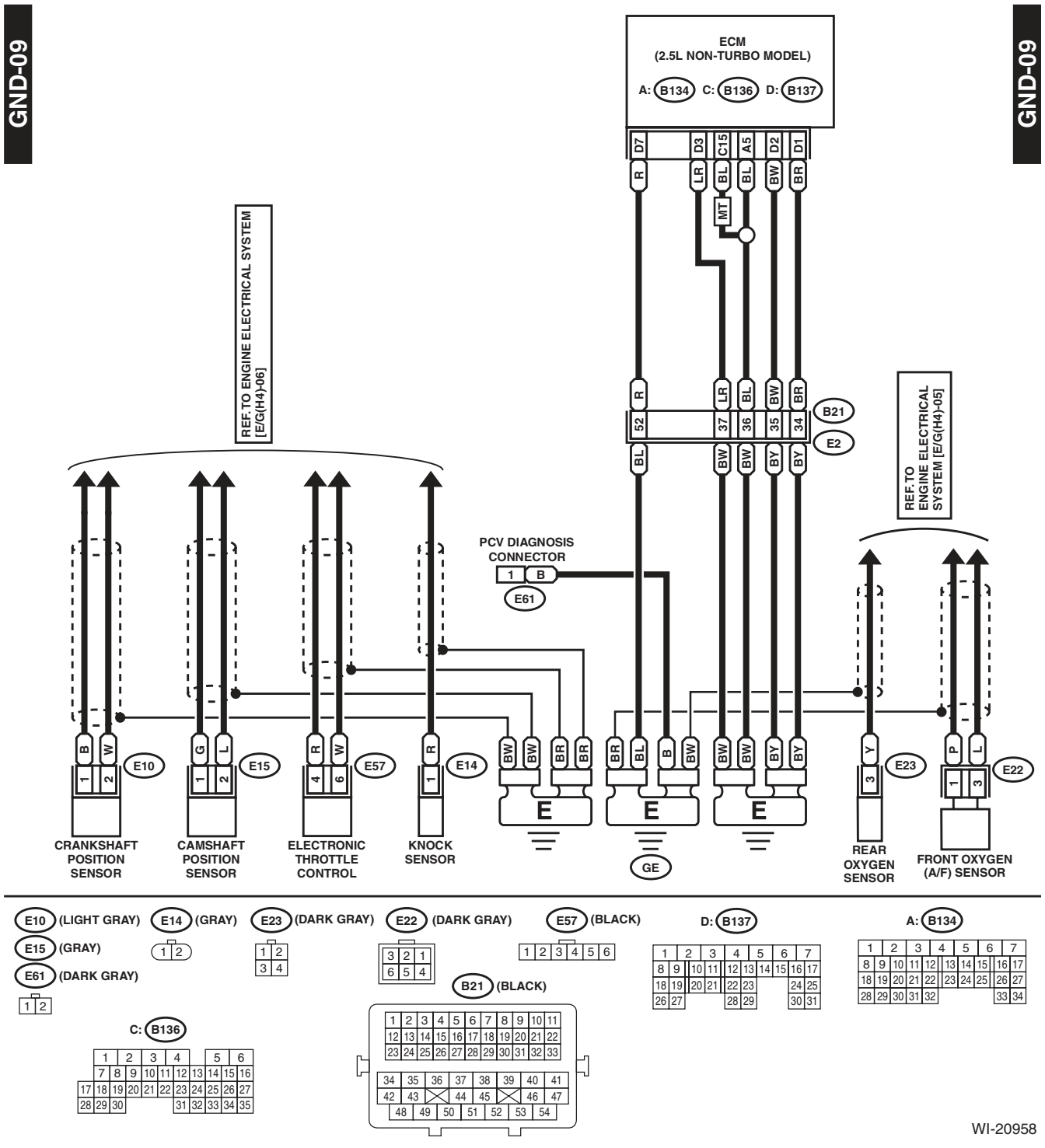
GND-08



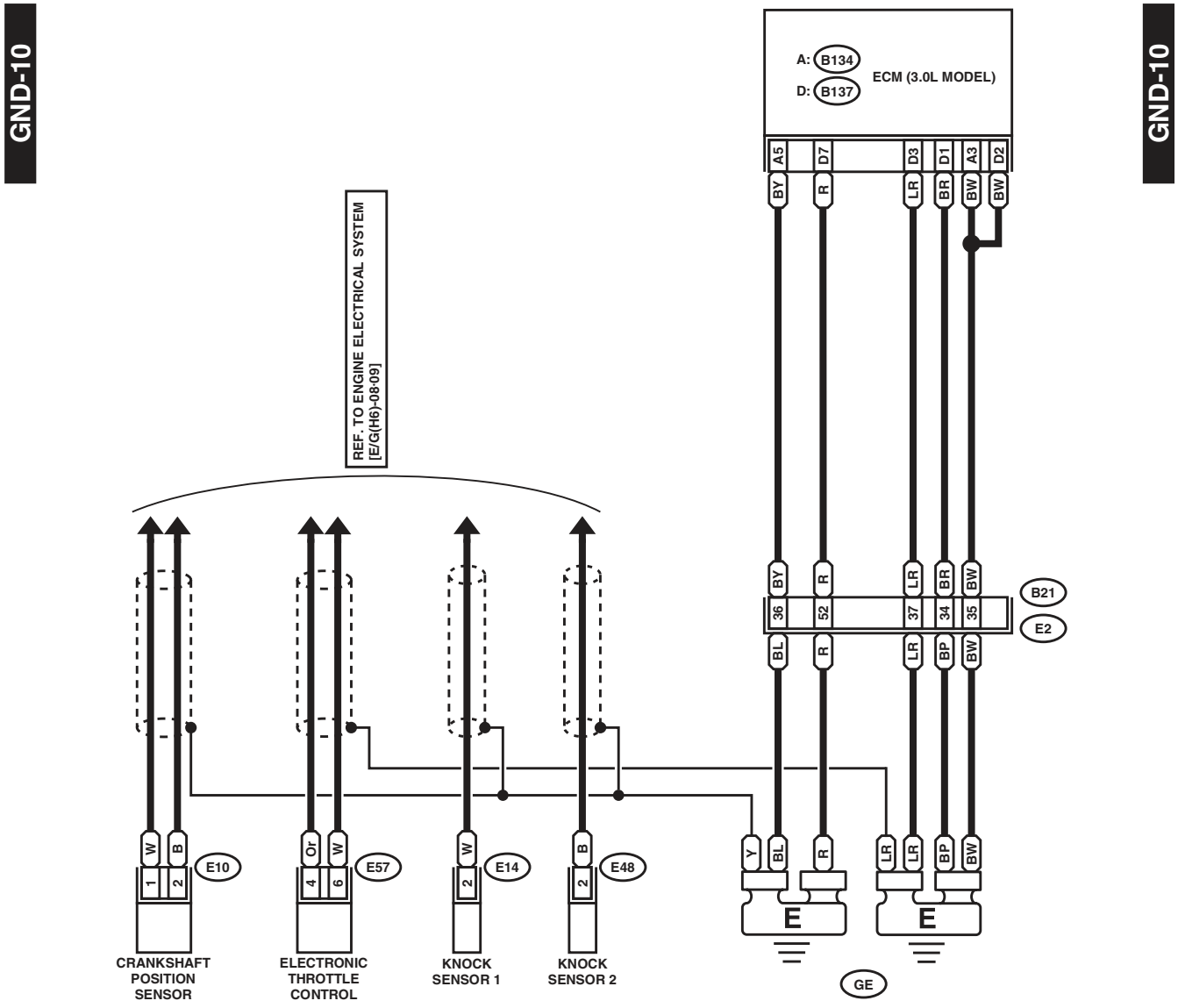


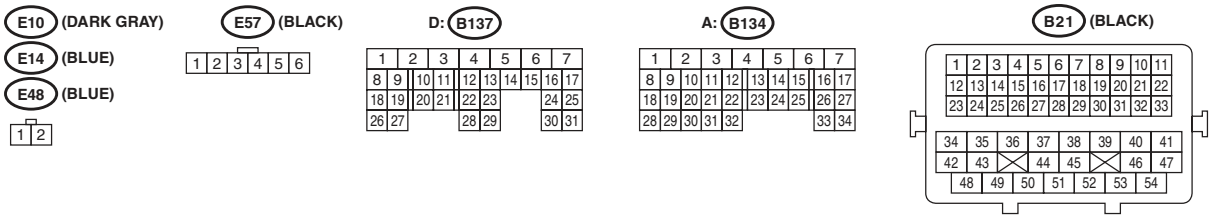
WI-22090

4. ENGINE GROUND (2.5 L NON-TURBO MODEL)



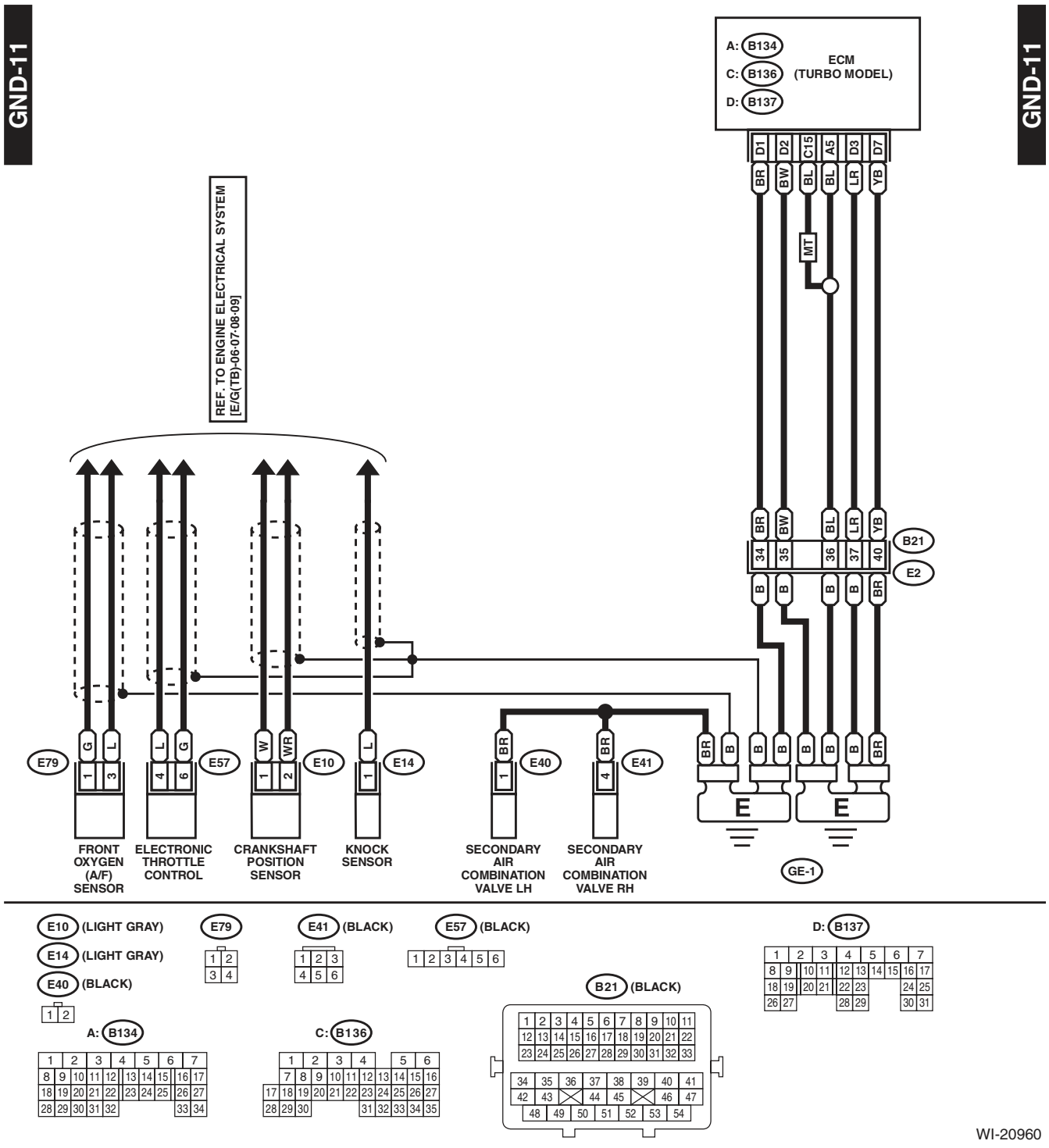
5. ENGINE GROUND (3.0 L MODEL)





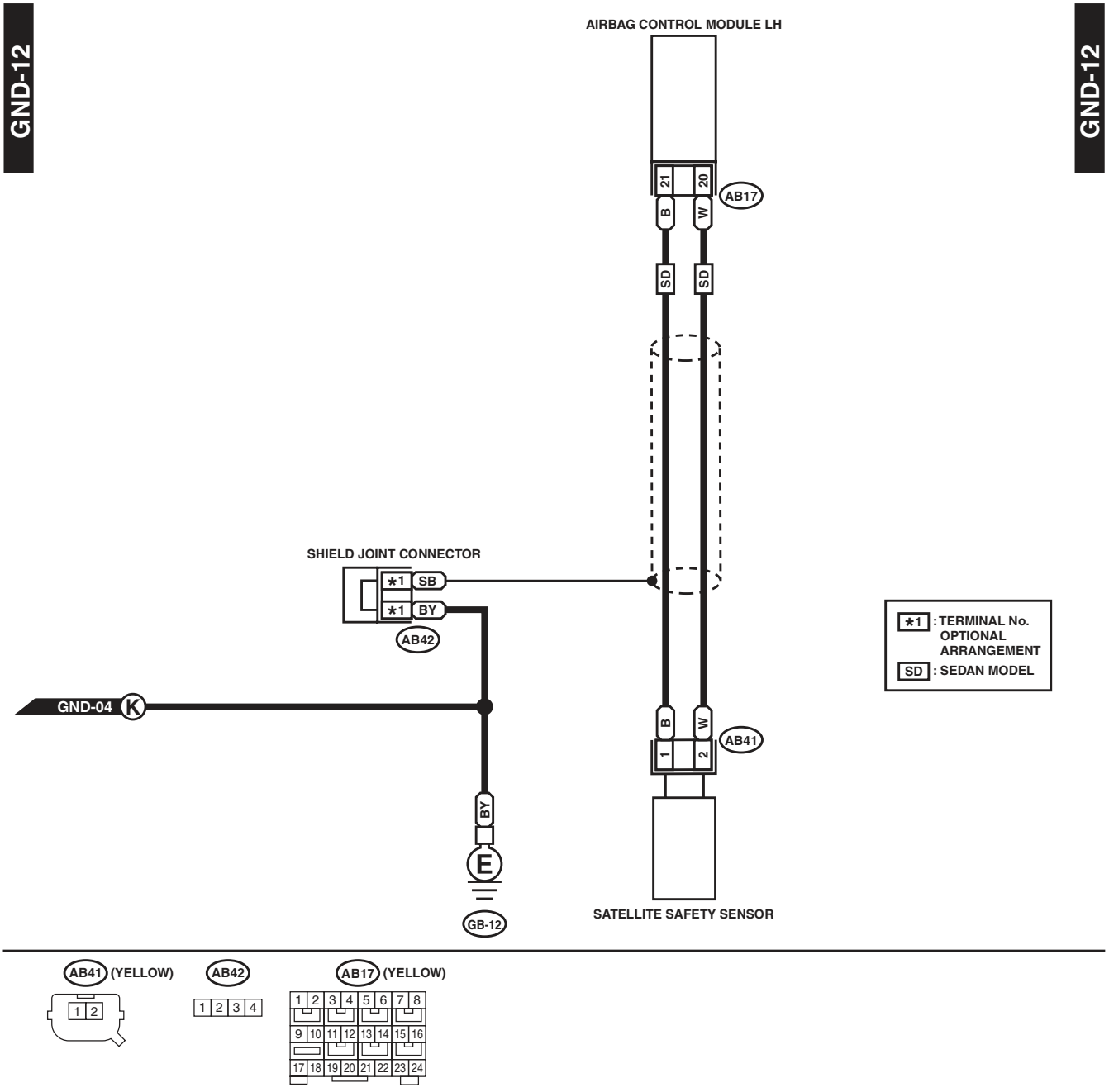
WI-20959

6. ENGINE GROUND (2.5 L TURBO MODEL)



WI-20960

7. AIRBAG GROUND

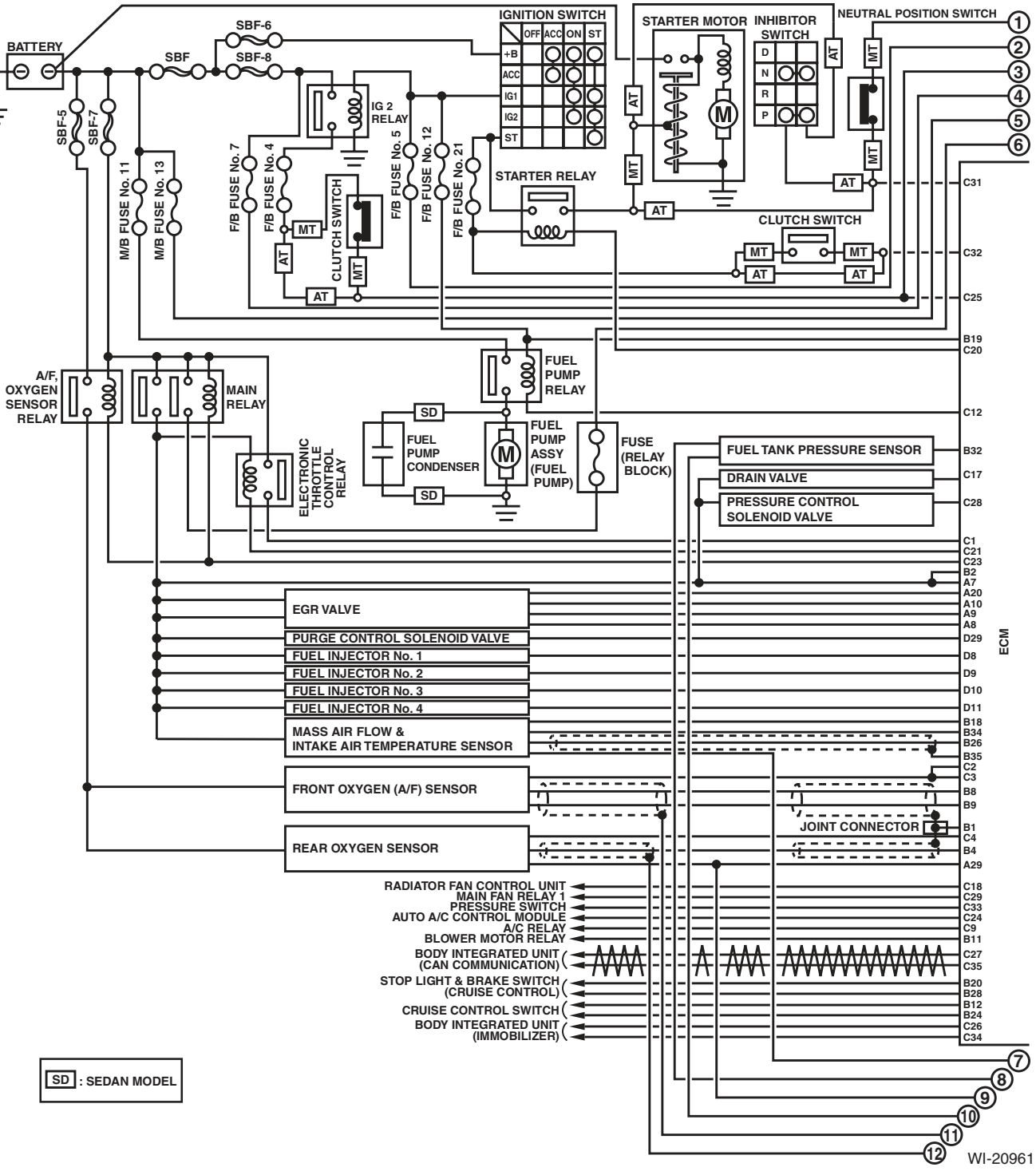


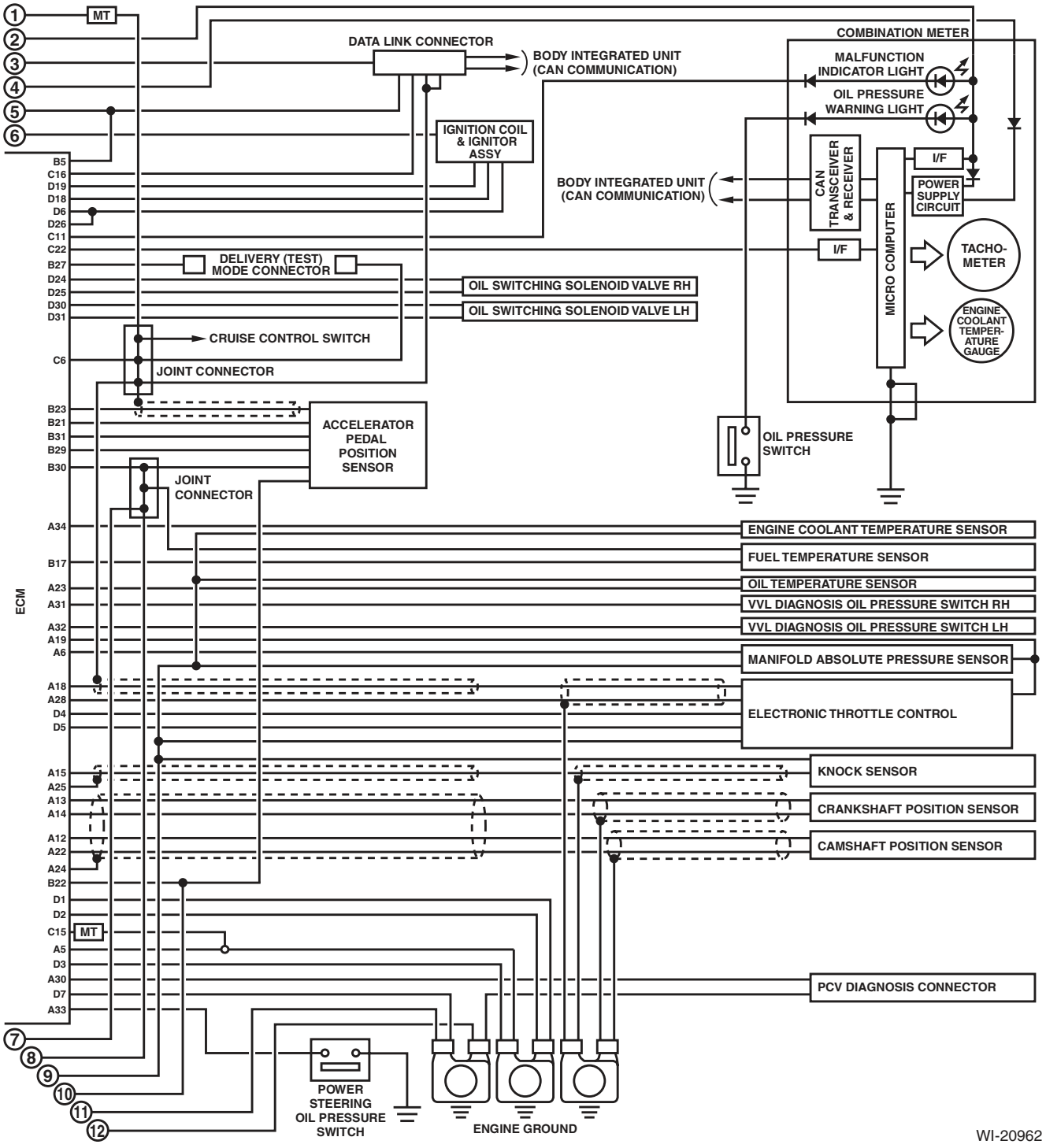
WI-22091

5. Engine Electrical System

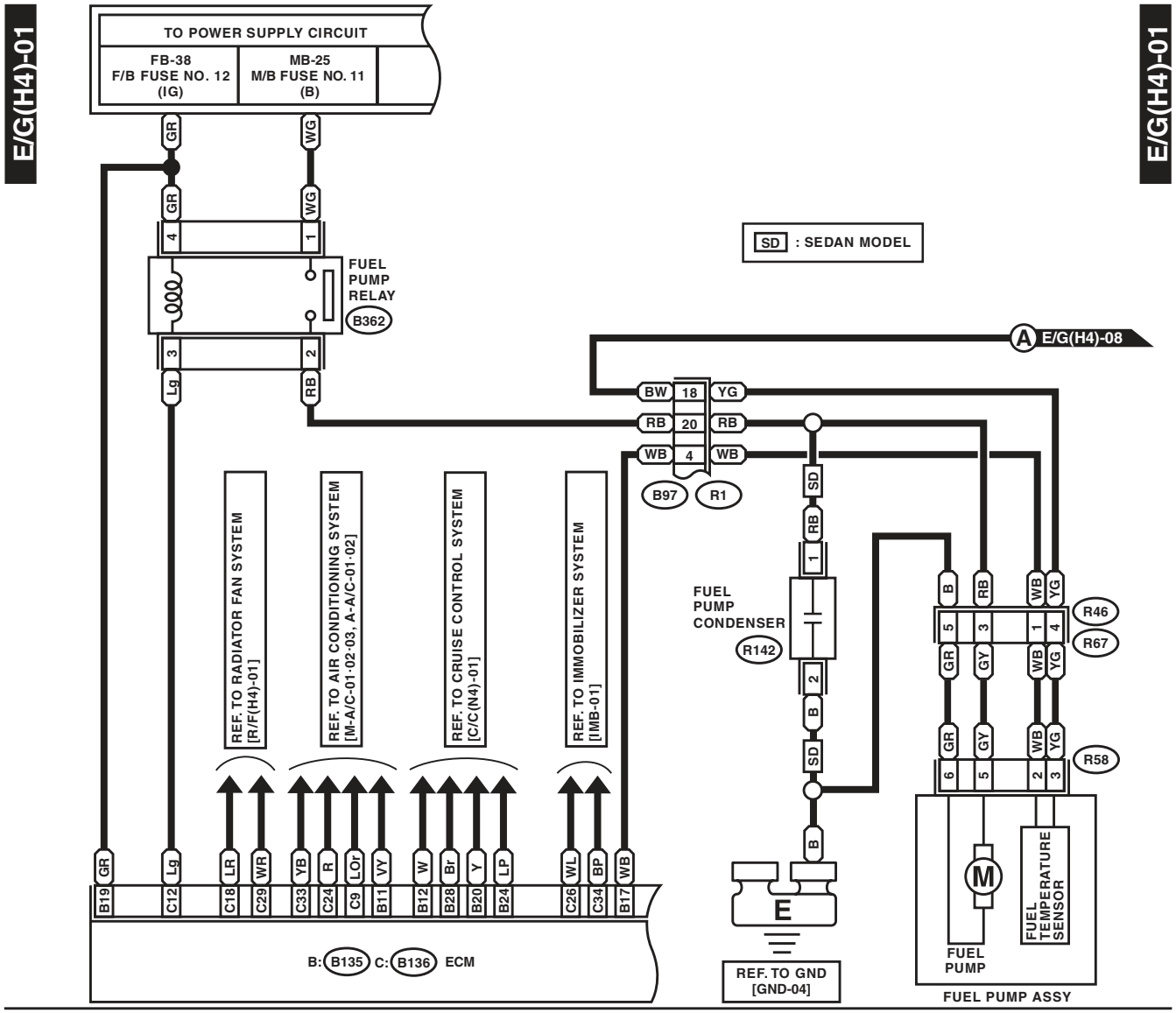
A: WIRING DIAGRAM

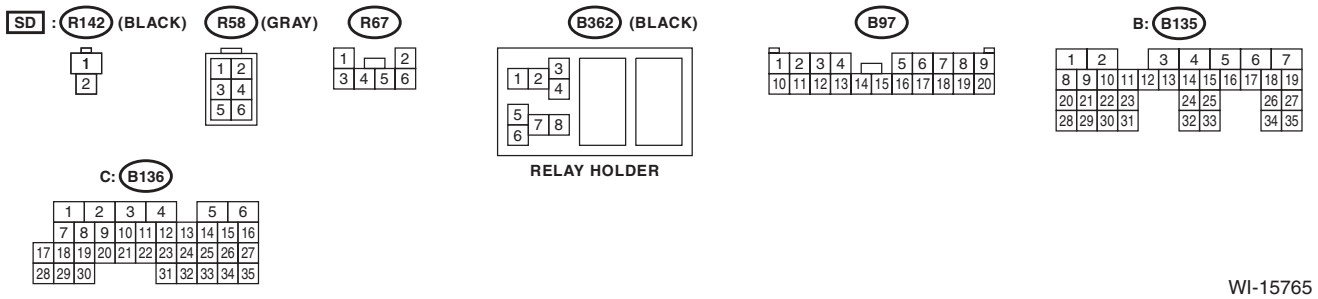
1. 2.5 L NON-TURBO MODEL




MT
DATA LINK CONNECTOR
BODY INTEGRATED UNIT (CAN COMMUNICATION)
COMBINATION METER
MALFUNCTION INDICATOR LIGHT
OIL PRESSURE WARNING LIGHT
IGNITION COIL & IGNITOR ASSY
BODY INTEGRATED UNIT (CAN COMMUNICATION)
CAN TRANSCEIVER & RECEIVER
I/F
POWER SUPPLY CIRCUIT
MICRO COMPUTER
I/F
TACHO-METER
ENGINE COOLANT TEMPER-ATURE GAUGE
DELIVERY (TEST) MODE CONNECTOR
OIL SWITCHING SOLENOID VALVE RH
OIL SWITCHING SOLENOID VALVE LH
CRUISE CONTROL SWITCH
JOINT CONNECTOR
ACCELERATOR PEDAL POSITION SENSOR
JOINT CONNECTOR
OIL PRESSURE SWITCH
ECM
ENGINE COOLANT TEMPERATURE SENSOR
FUEL TEMPERATURE SENSOR
OIL TEMPERATURE SENSOR
VVL DIAGNOSIS OIL PRESSURE SWITCH RH
VVL DIAGNOSIS OIL PRESSURE SWITCH LH
MANIFOLD ABSOLUTE PRESSURE SENSOR
ELECTRONIC THROTTLE CONTROL
KNOCK SENSOR
CRANKSHAFT POSITION SENSOR
CAMSHAFT POSITION SENSOR
PCV DIAGNOSIS CONNECTOR
POWER STEERING OIL PRESSURE SWITCH
ENGINE GROUND
WI-20962

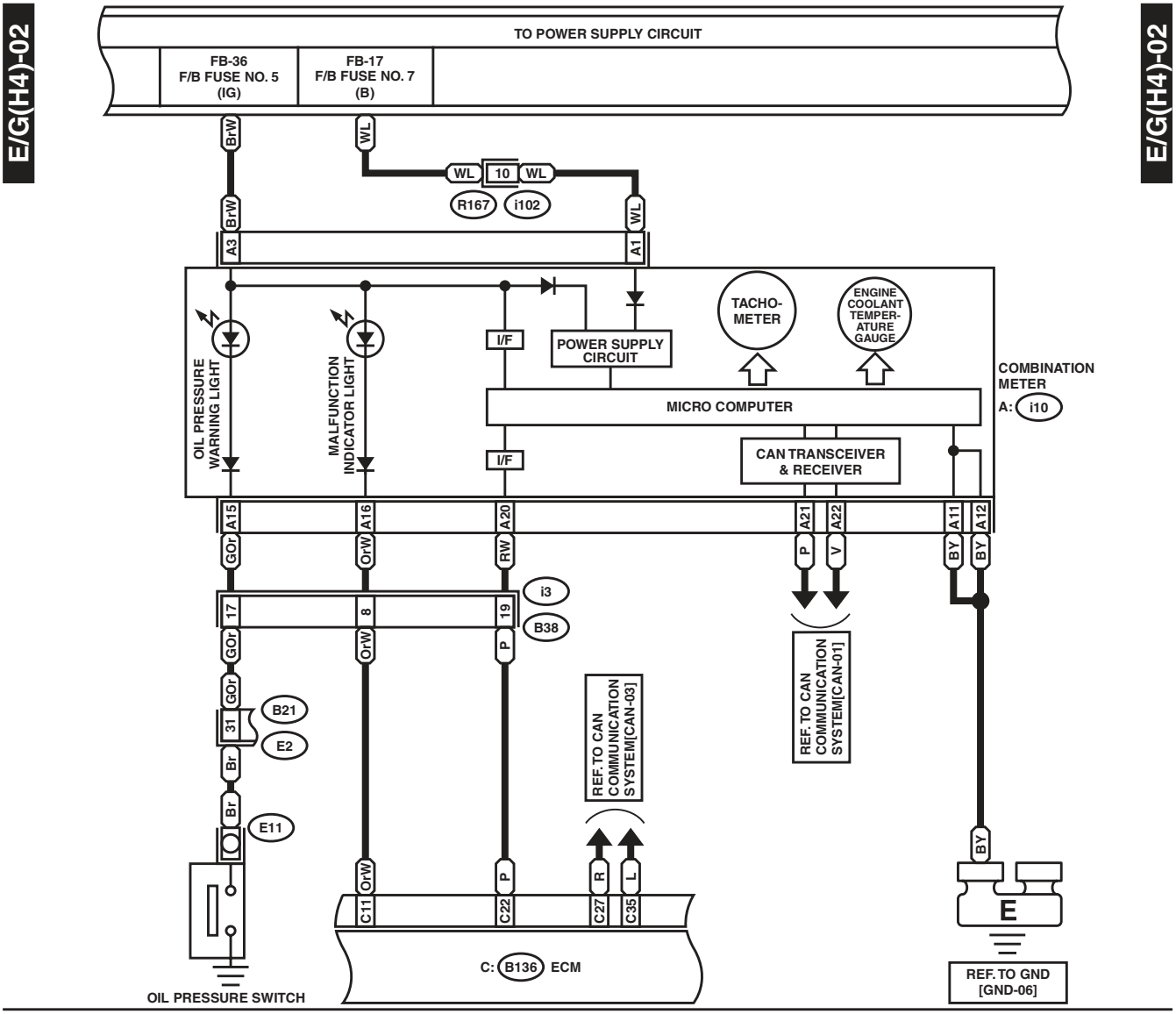
WIRING SYSTEM

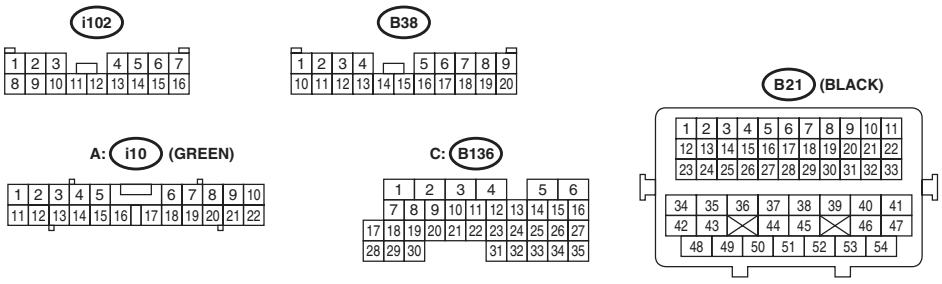




WI-15765

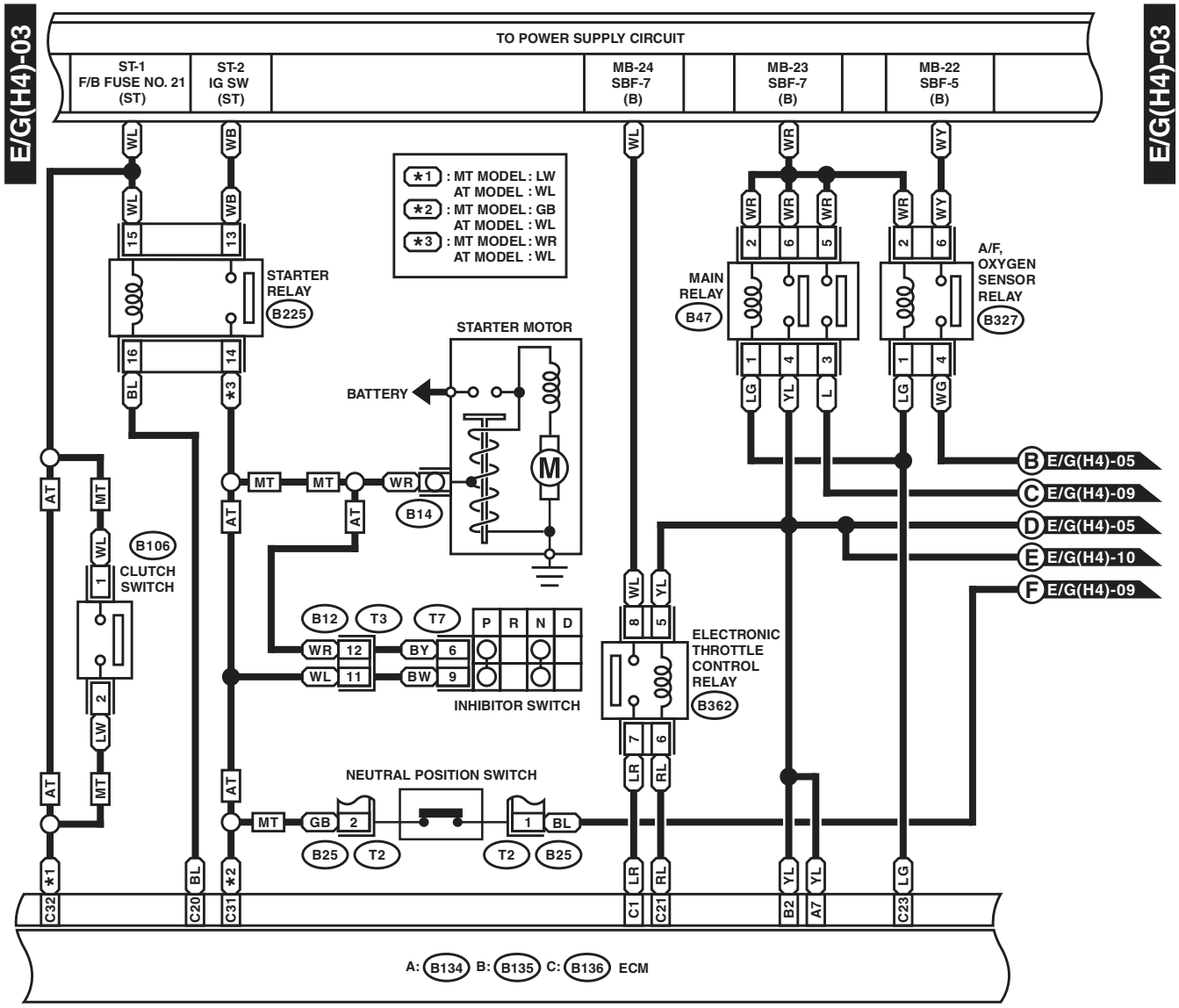
E/G(H4)-02

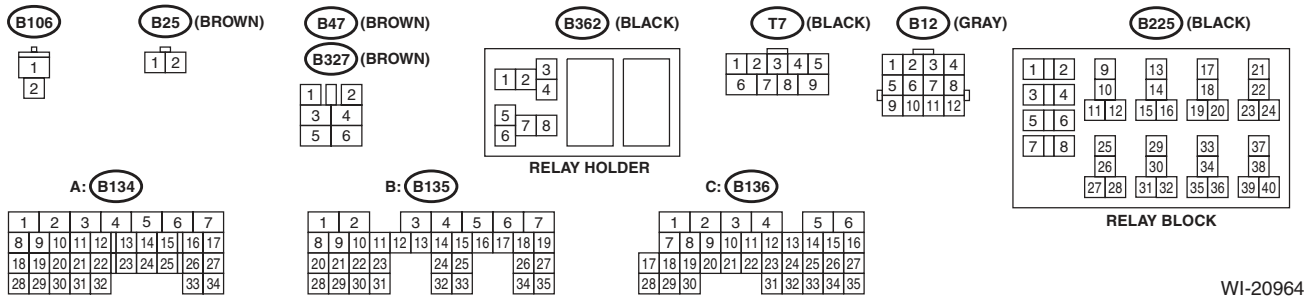




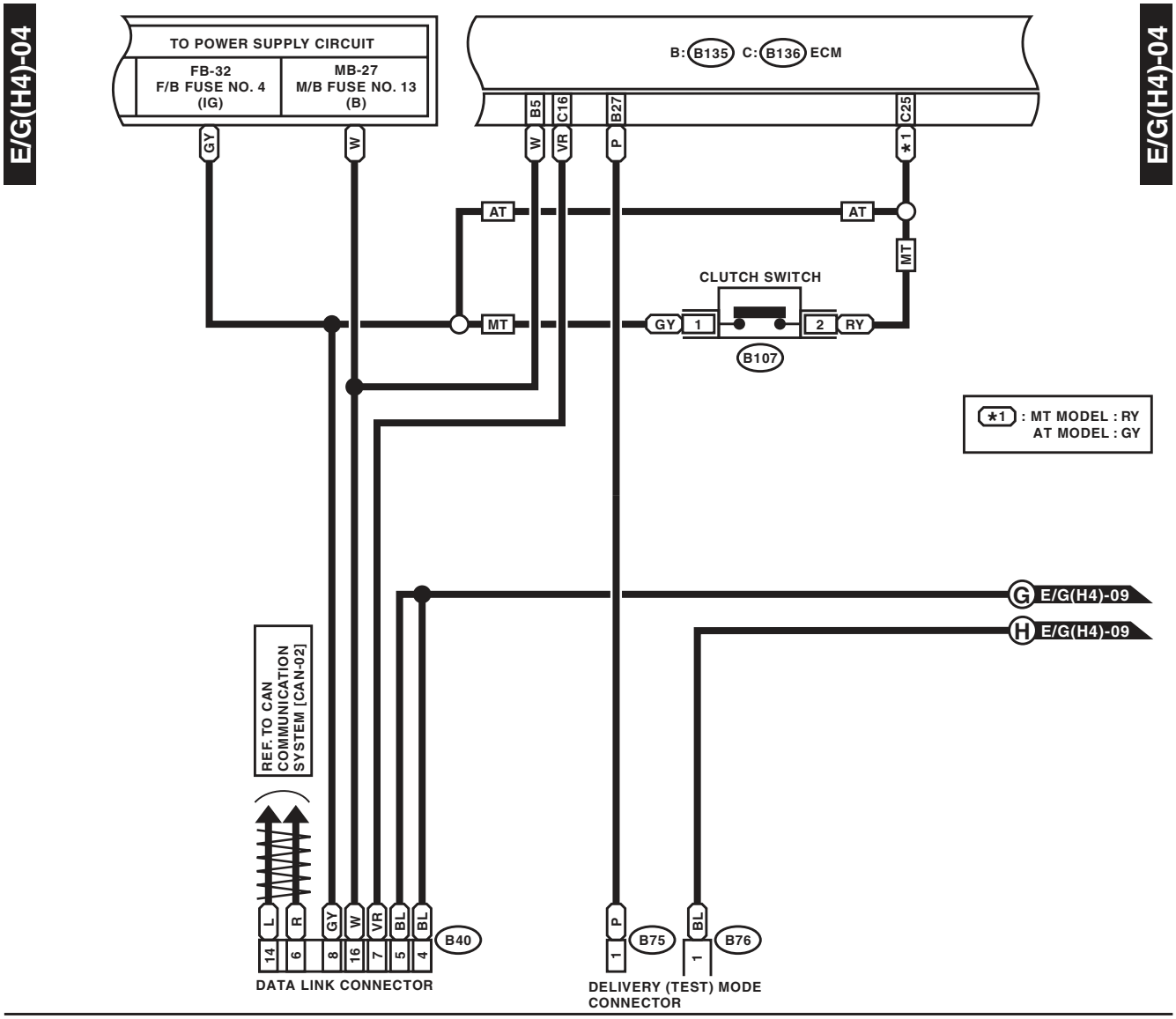
WI-20963

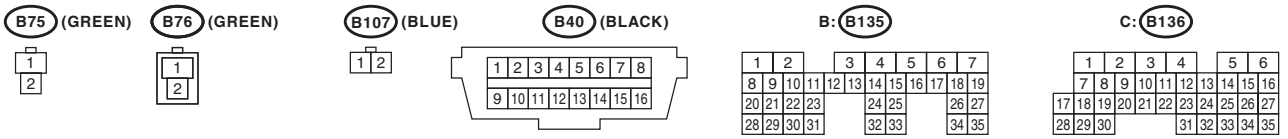
WIRING SYSTEM



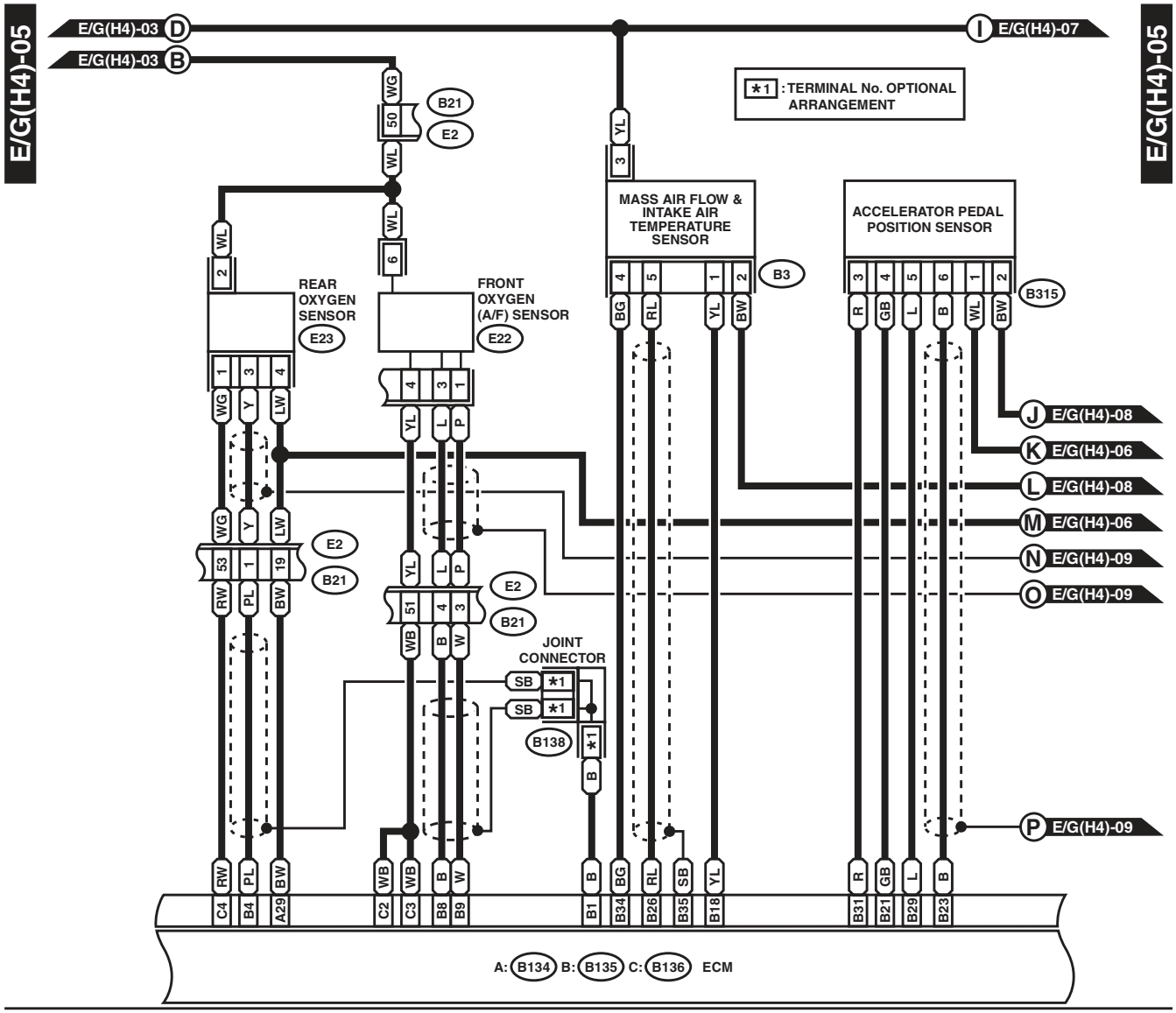


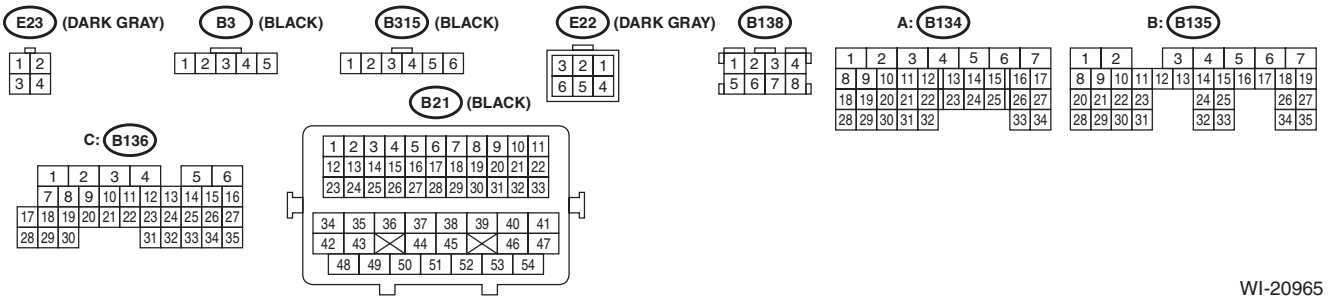
WI-20964


E/G(H4)-04
E/G(H4)-04
TO POWER SUPPLY CIRCUIT
FB-32
F/B FUSE NO. 4
(IG)
MB-27
M/B FUSE NO. 13
(B)
B: B135 C: B136 ECM
B5
C16
B27
C25
GY
W
W
VR
P
*1
AT
AT
MT
CLUTCH SWITCH
MT
GY
1
2
RY
B107
*1 : MT MODEL : RY
AT MODEL : GY
G E/G(H4)-09
H E/G(H4)-09
REF. TO CAN COMMUNICATION SYSTEM [CAN-02]
L
R
GY
W
VR
BL
BL
B40
14
6
8
16
7
5
4
DATA LINK CONNECTOR
P
B75
BL
B76
1
1
DELIVERY (TEST) MODE CONNECTOR

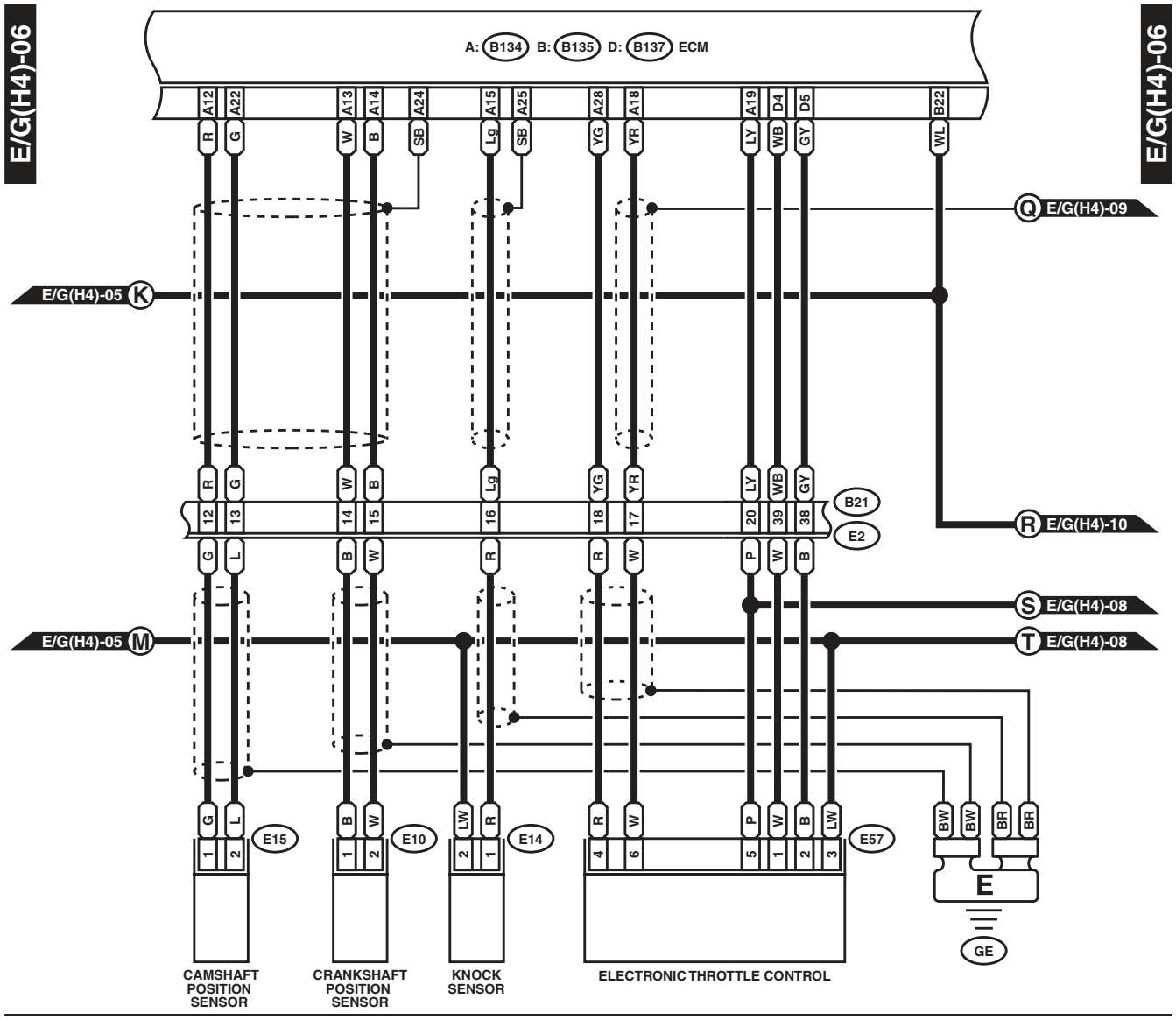

B75 (GREEN)
B76 (GREEN)
B107 (BLUE)
B40 (BLACK)
B: B135
C: B136

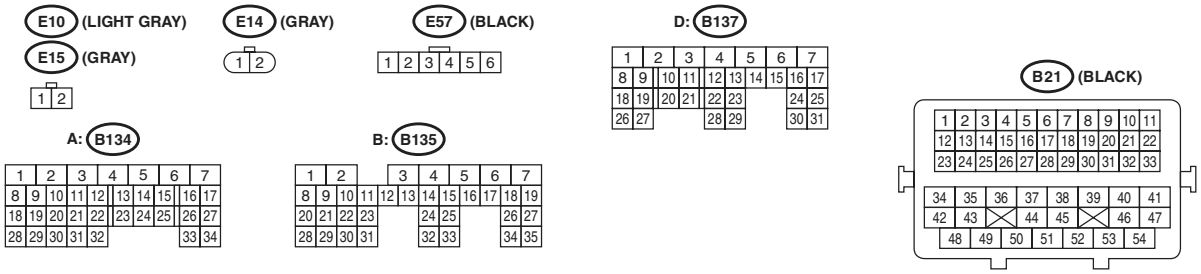
WI-15768


E/G(H4)-05
E/G(H4)-03 D
E/G(H4)-03 B
I E/G(H4)-07
*1 : TERMINAL No. OPTIONAL ARRANGEMENT
B21
E2
MASS AIR FLOW & INTAKE AIR TEMPERATURE SENSOR
B3
ACCELERATOR PEDAL POSITION SENSOR
B315
REAR OXYGEN SENSOR
E23
FRONT OXYGEN (A/F) SENSOR
E22
J E/G(H4)-08
K E/G(H4)-06
L E/G(H4)-08
M E/G(H4)-06
N E/G(H4)-09
O E/G(H4)-09
P E/G(H4)-09
JOINT CONNECTOR
B138
A: B134 B: B135 C: B136 ECM

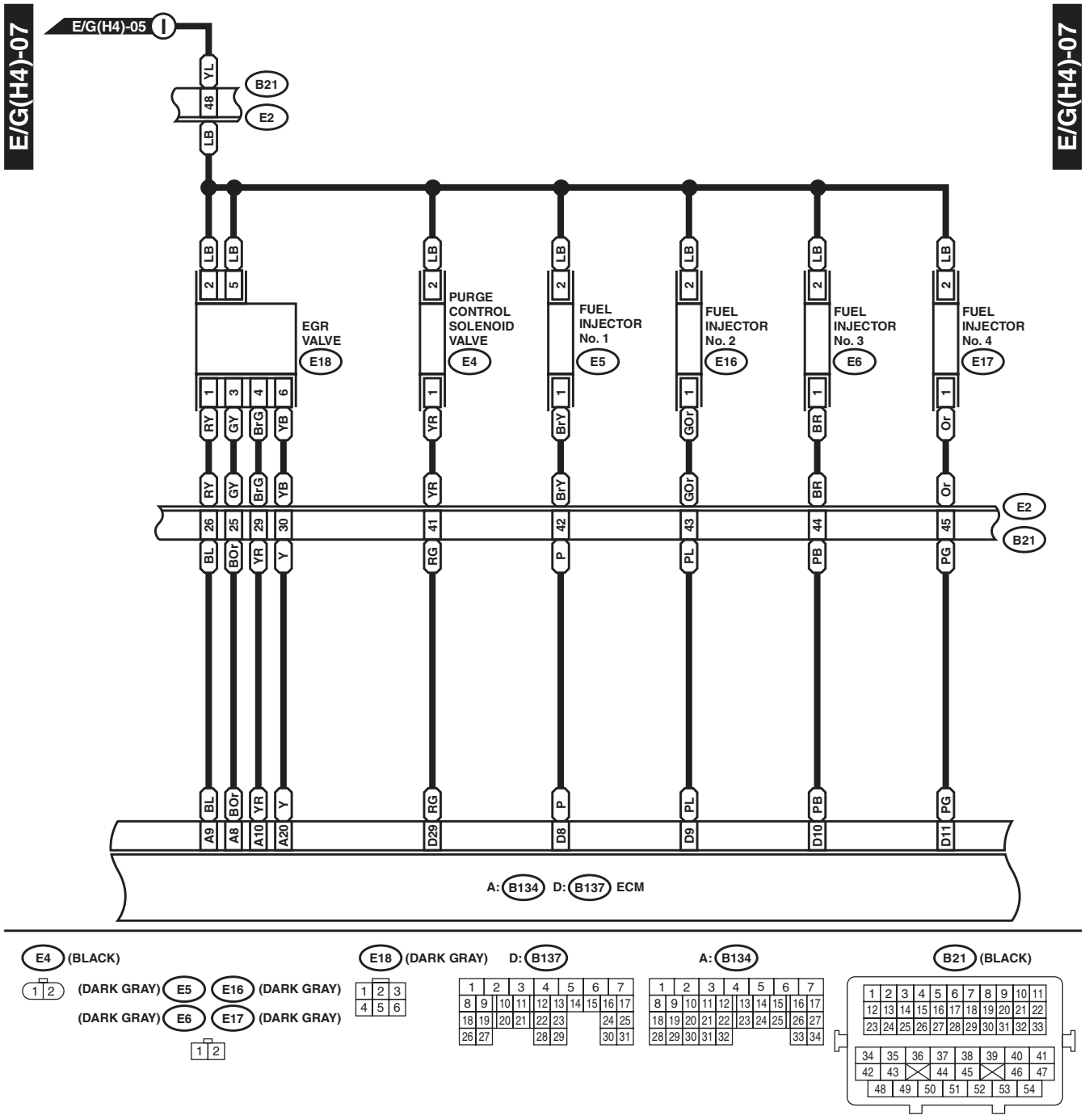

E23 (DARK GRAY)
B3 (BLACK)
B315 (BLACK)
E22 (DARK GRAY)
B138
A: B134
B: B135
C: B136
B21 (BLACK)

WI-20965

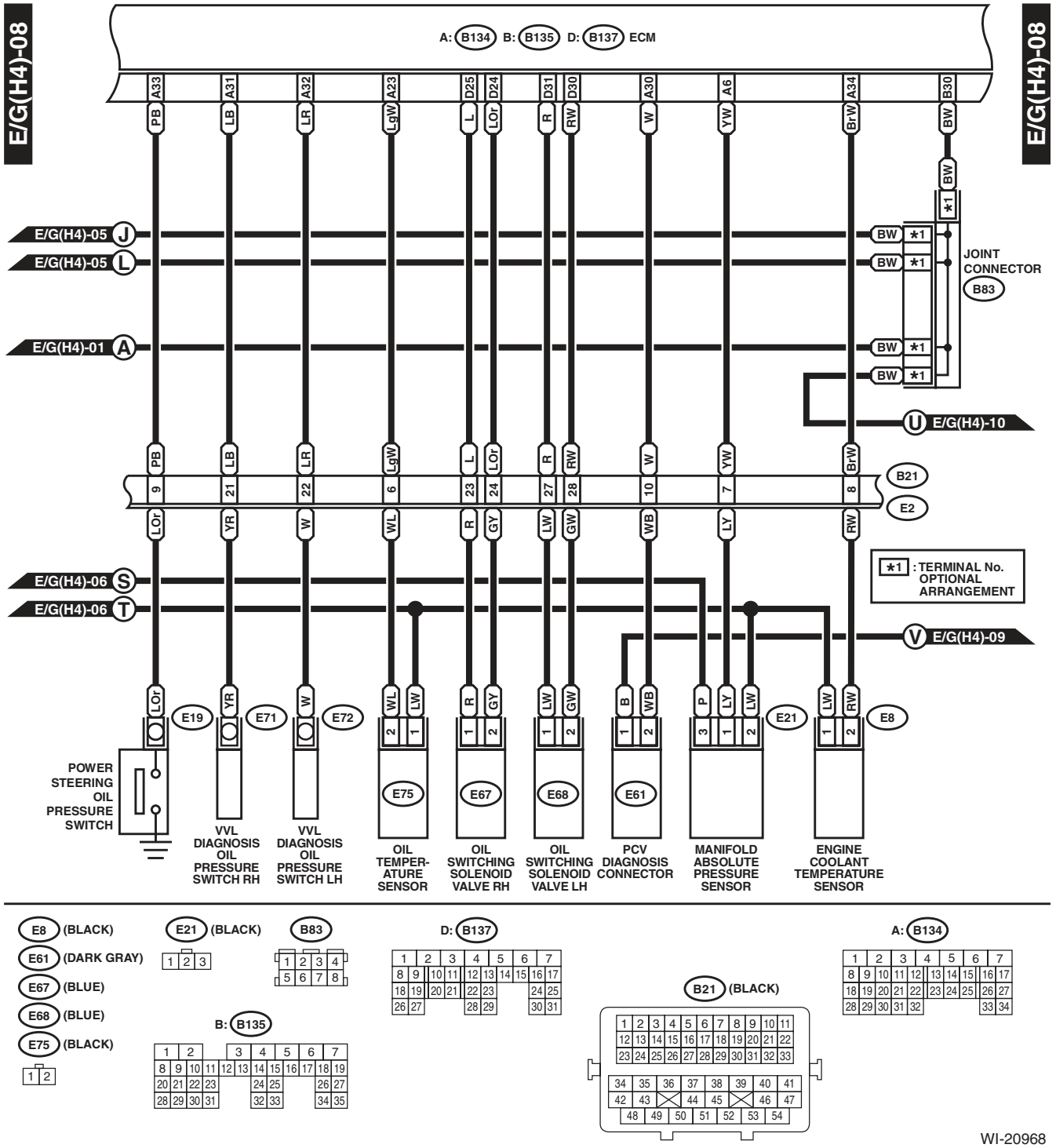

E/G(H4)-06
E/G(H4)-06
A: B134 B: B135 D: B137 ECM
A12 A22 A13 A14 A24 A15 A25 A28 A18 A19 D4 D5 B22
R G W B SB Lg SB YG YR LY WB GY WL
Q E/G(H4)-09
E/G(H4)-05 K
R E/G(H4)-10
12 13 14 15 16 18 17 20 39 38
B21
E2
G L B W R R W P W B
S E/G(H4)-08
E/G(H4)-05 M
T E/G(H4)-08
G L B W LW R R W P W B LW BW BW BR BR
1 2 1 2 2 1 4 6 5 1 2 3
E15 E10 E14 E57
E
GE
CAMSHAFT POSITION SENSOR
CRANKSHAFT POSITION SENSOR
KNOCK SENSOR
ELECTRONIC THROTTLE CONTROL


E10 (LIGHT GRAY)
E14 (GRAY)
E57 (BLACK)
D: B137
E15 (GRAY)
A: B134
B: B135
B21 (BLACK)

WI-20966


E/G(H4)-07
E/G(H4)-05
B21
E2
EGR VALVE
E18
PURGE CONTROL SOLENOID VALVE
E4
FUEL INJECTOR No. 1
E5
FUEL INJECTOR No. 2
E16
FUEL INJECTOR No. 3
E6
FUEL INJECTOR No. 4
E17
A: B134 D: B137 ECM
E4 (BLACK)
(DARK GRAY) E5 E16 (DARK GRAY)
(DARK GRAY) E6 E17 (DARK GRAY)
E18 (DARK GRAY)
D: B137
A: B134
B21 (BLACK)

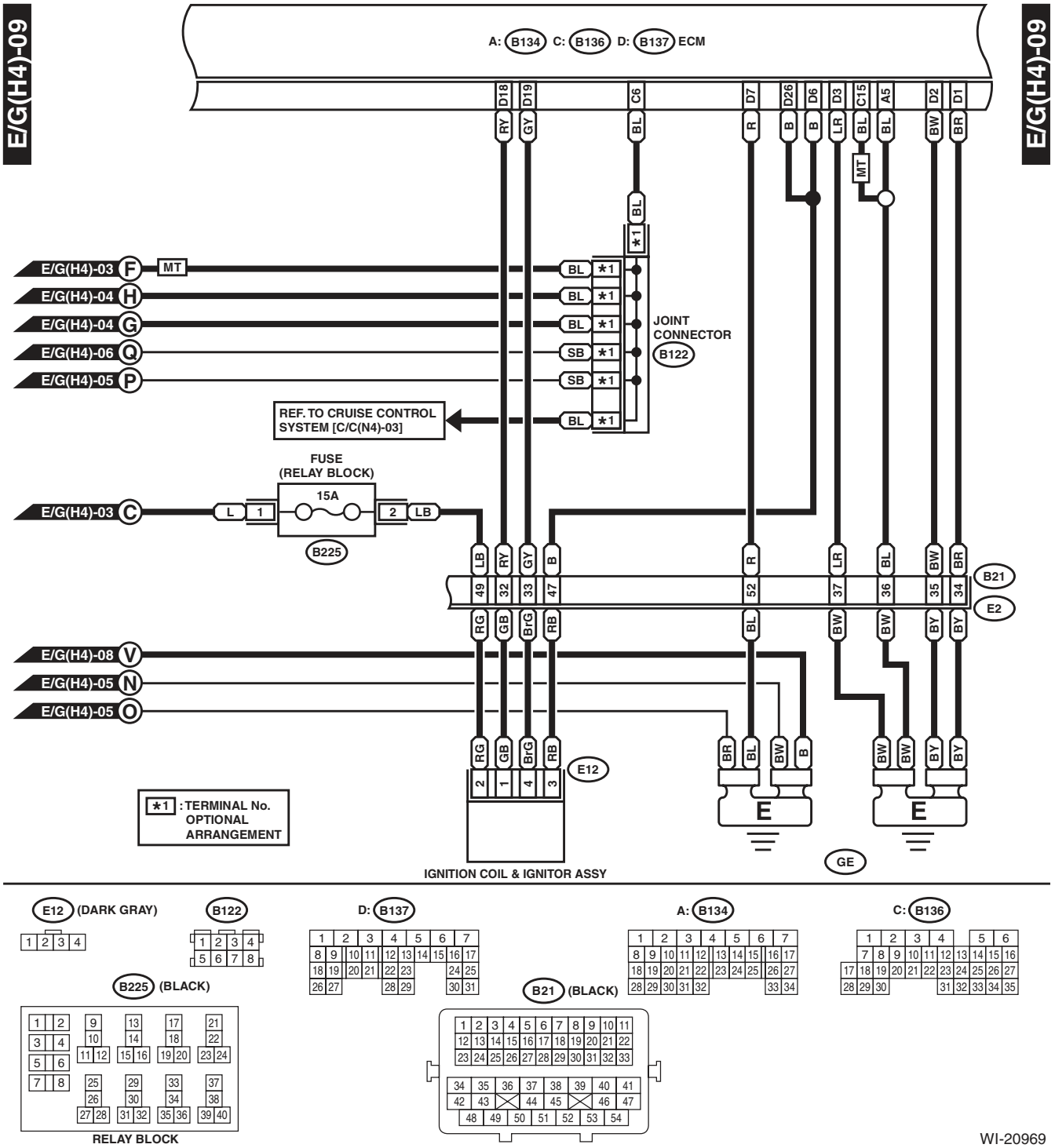
WI-20967



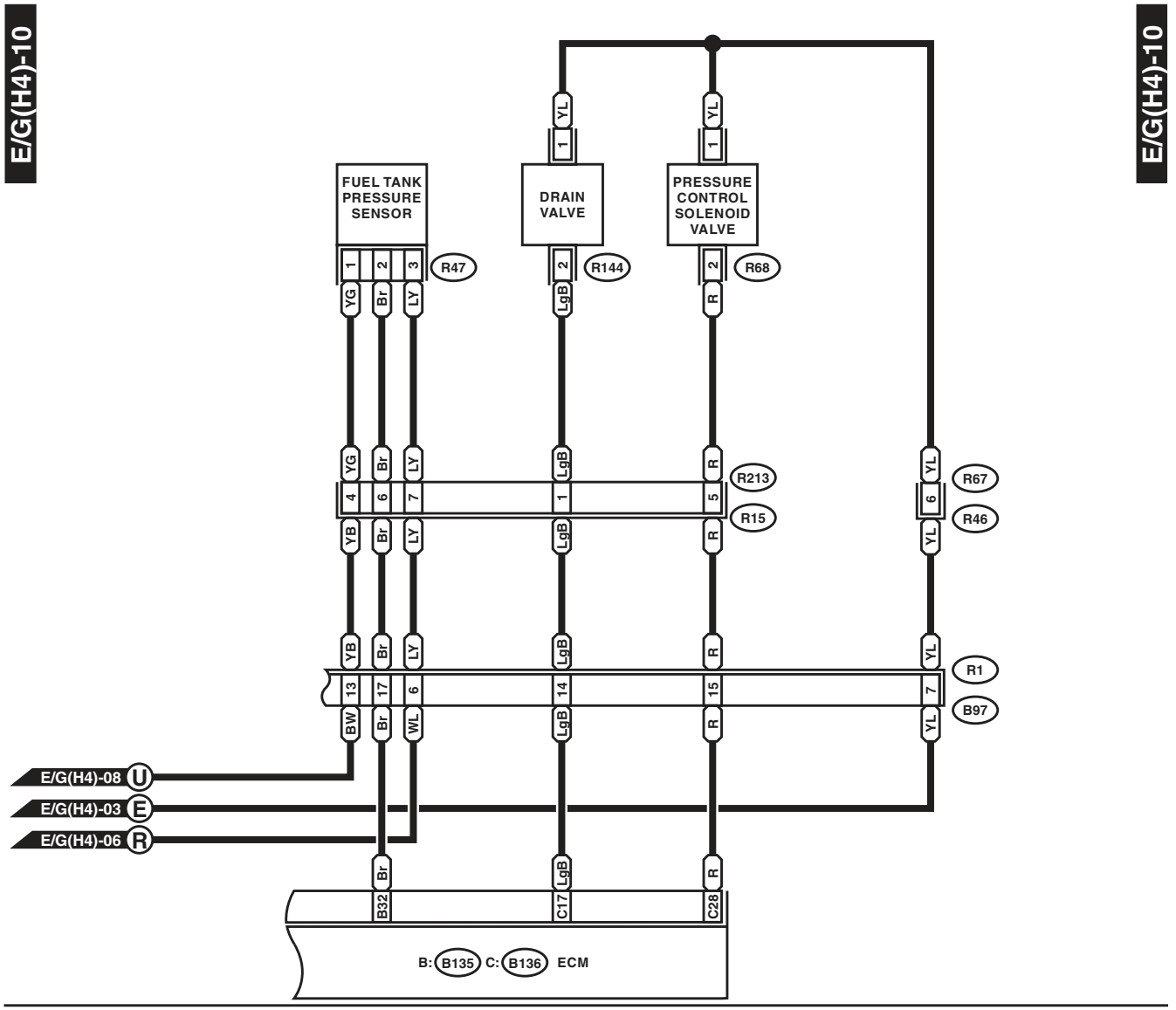
E8 (BLACK)
E61 (DARK GRAY)
E67 (BLUE)
E68 (BLUE)
E75 (BLACK)

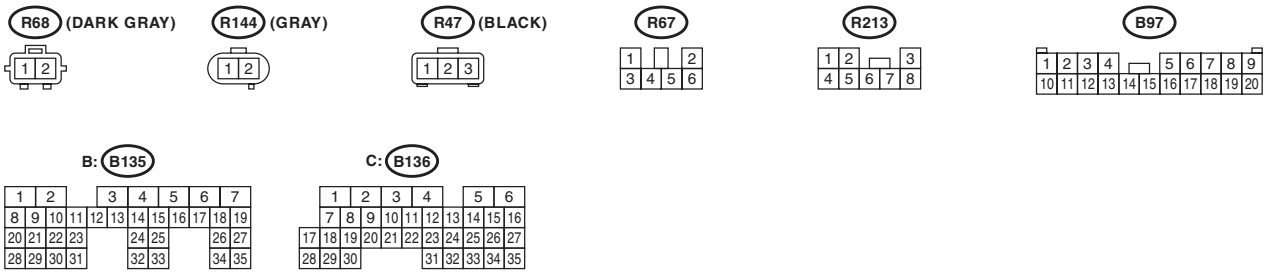
WI-20968

WIRING SYSTEM



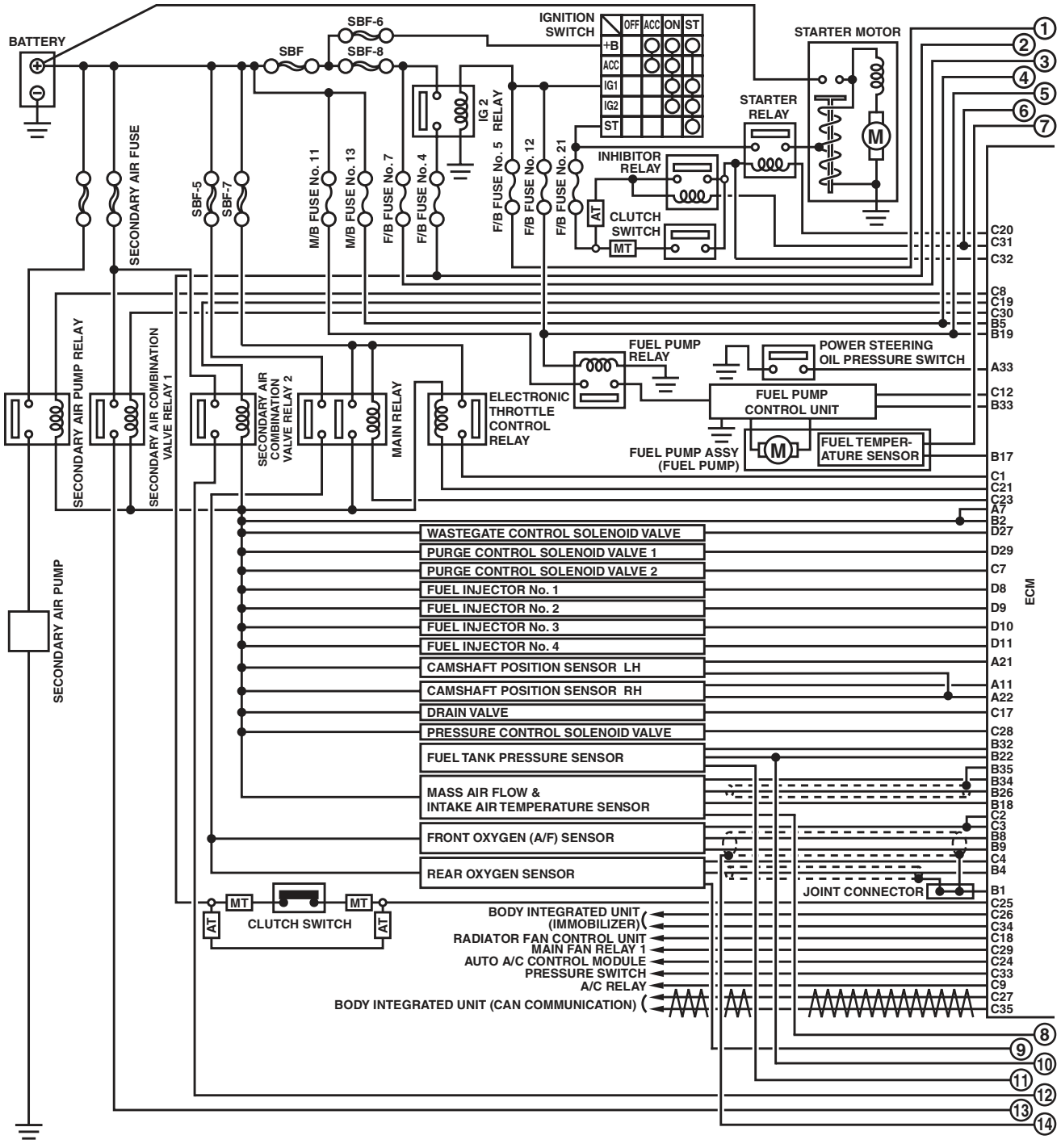
WI-20969


E/G(H4)-10
E/G(H4)-10
FUEL TANK PRESSURE SENSOR
DRAIN VALVE
PRESSURE CONTROL SOLENOID VALVE
R47
R144
R68
R213
R15
R67
R46
R1
B97
E/G(H4)-08 U
E/G(H4)-03 E
E/G(H4)-06 R
B: B135 C: B136 ECM

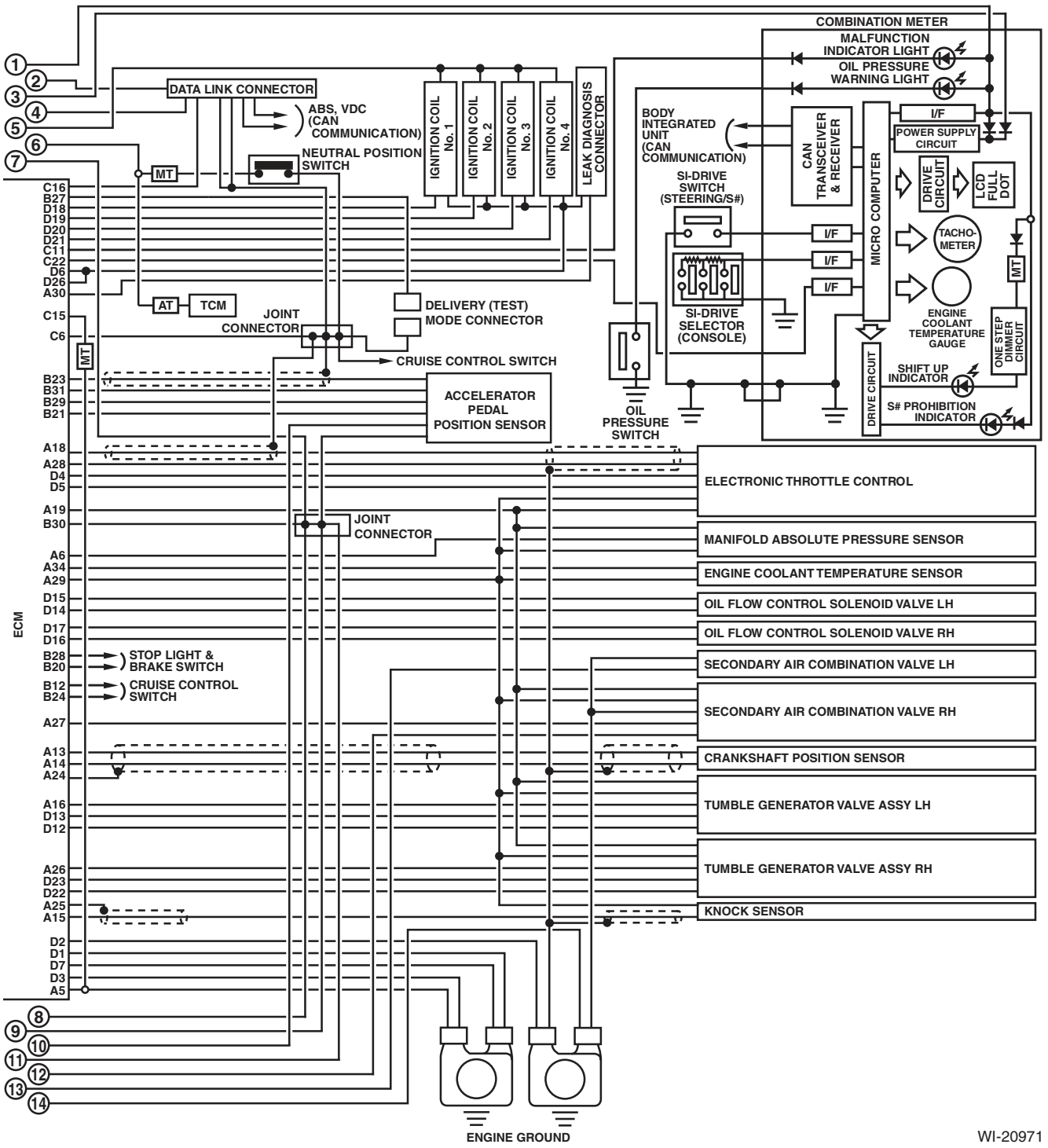

R68 (DARK GRAY)
R144 (GRAY)
R47 (BLACK)
R67
R213
B97
B: B135
C: B136

WI-15773

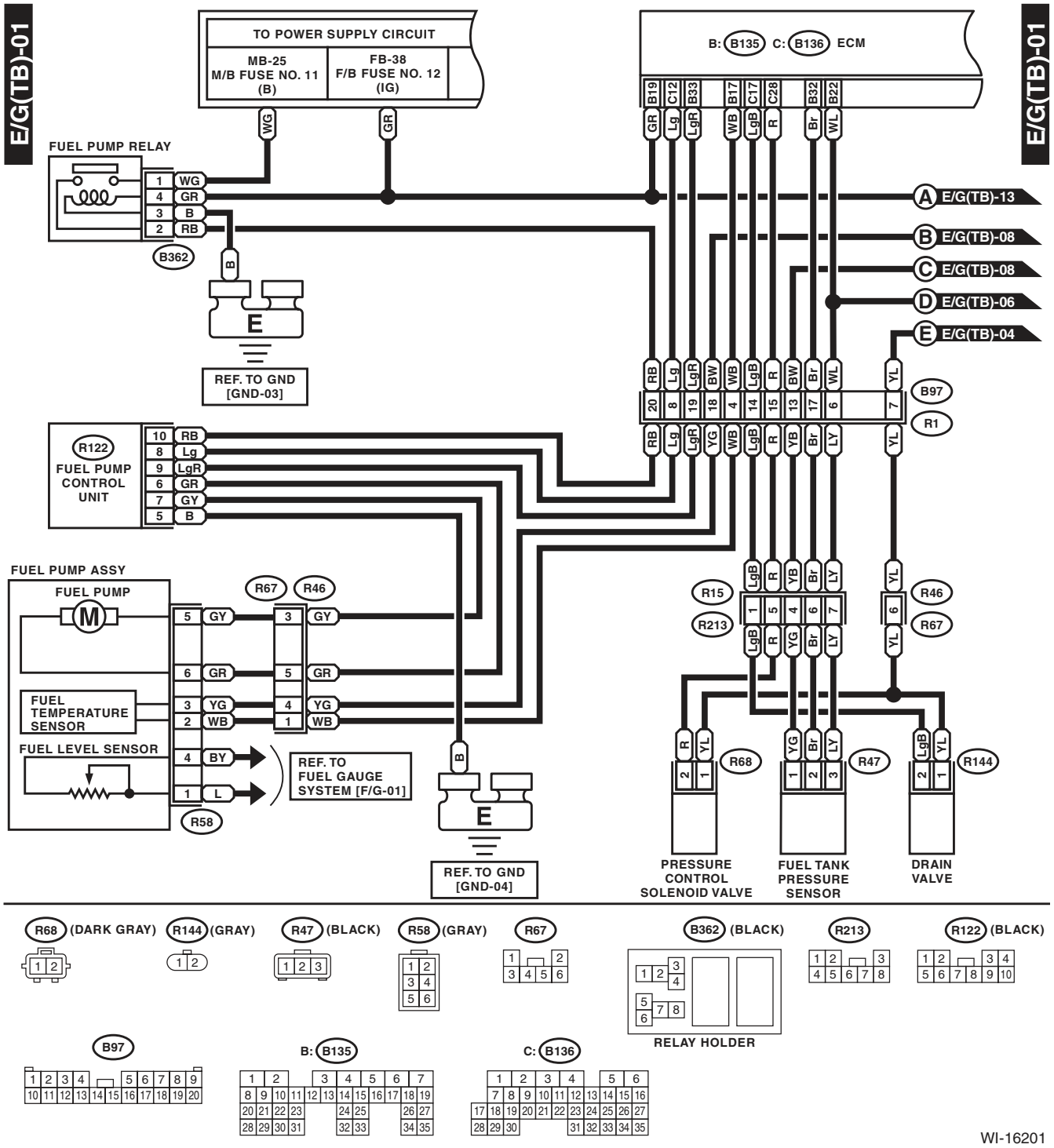
2. 2.5 L TURBO MODEL



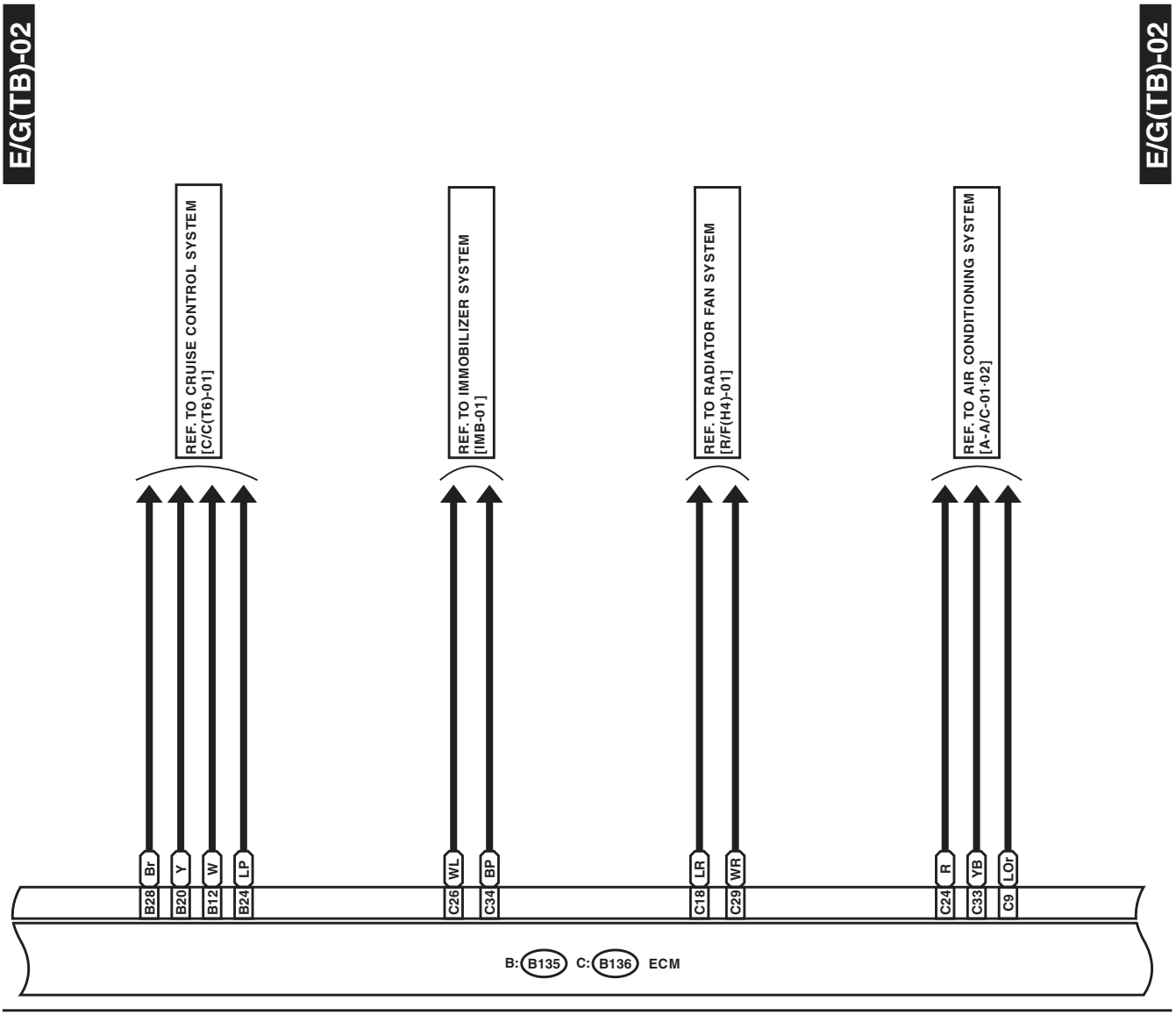
WI-20970


COMBINATION METER
MALFUNCTION INDICATOR LIGHT
OIL PRESSURE WARNING LIGHT
DATA LINK CONNECTOR
ABS, VDC (CAN COMMUNICATION)
NEUTRAL POSITION SWITCH
IGNITION COIL No. 1
IGNITION COIL No. 2
IGNITION COIL No. 3
IGNITION COIL No. 4
LEAK DIAGNOSIS CONNECTOR
BODY INTEGRATED UNIT (CAN COMMUNICATION)
SI-DRIVE SWITCH (STEERING/S#)
CAN TRANSCEIVER & RECEIVER
MICRO COMPUTER
I/F
POWER SUPPLY CIRCUIT
DRIVE CIRCUIT
LCD FULL DOT
TACHO-METER
ENGINE COOLANT TEMPERATURE GAUGE
ONE STEP DIMMER CIRCUIT
SHIFT UP INDICATOR
S# PROHIBITION INDICATOR
SI-DRIVE SELECTOR (CONSOLE)
OIL PRESSURE SWITCH
MT
AT
TCM
JOINT CONNECTOR
DELIVERY (TEST) MODE CONNECTOR
CRUISE CONTROL SWITCH
ACCELERATOR PEDAL POSITION SENSOR
ECM
STOP LIGHT & BRAKE SWITCH
CRUISE CONTROL SWITCH
ELECTRONIC THROTTLE CONTROL
MANIFOLD ABSOLUTE PRESSURE SENSOR
ENGINE COOLANT TEMPERATURE SENSOR
OIL FLOW CONTROL SOLENOID VALVE LH
OIL FLOW CONTROL SOLENOID VALVE RH
SECONDARY AIR COMBINATION VALVE LH
SECONDARY AIR COMBINATION VALVE RH
CRANKSHAFT POSITION SENSOR
TUMBLE GENERATOR VALVE ASSY LH
TUMBLE GENERATOR VALVE ASSY RH
KNOCK SENSOR
ENGINE GROUND
WI-20971

WIRING SYSTEM

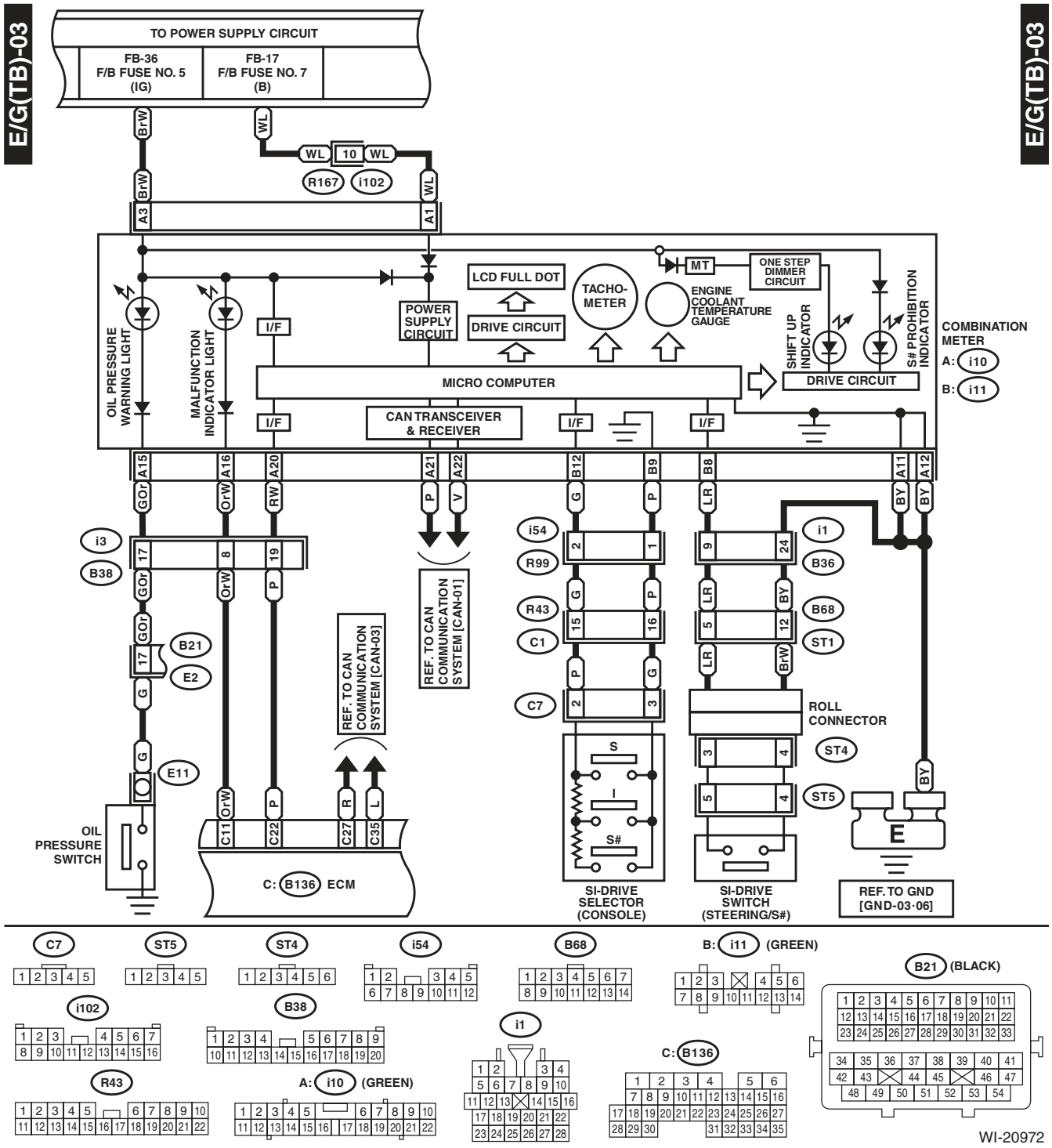


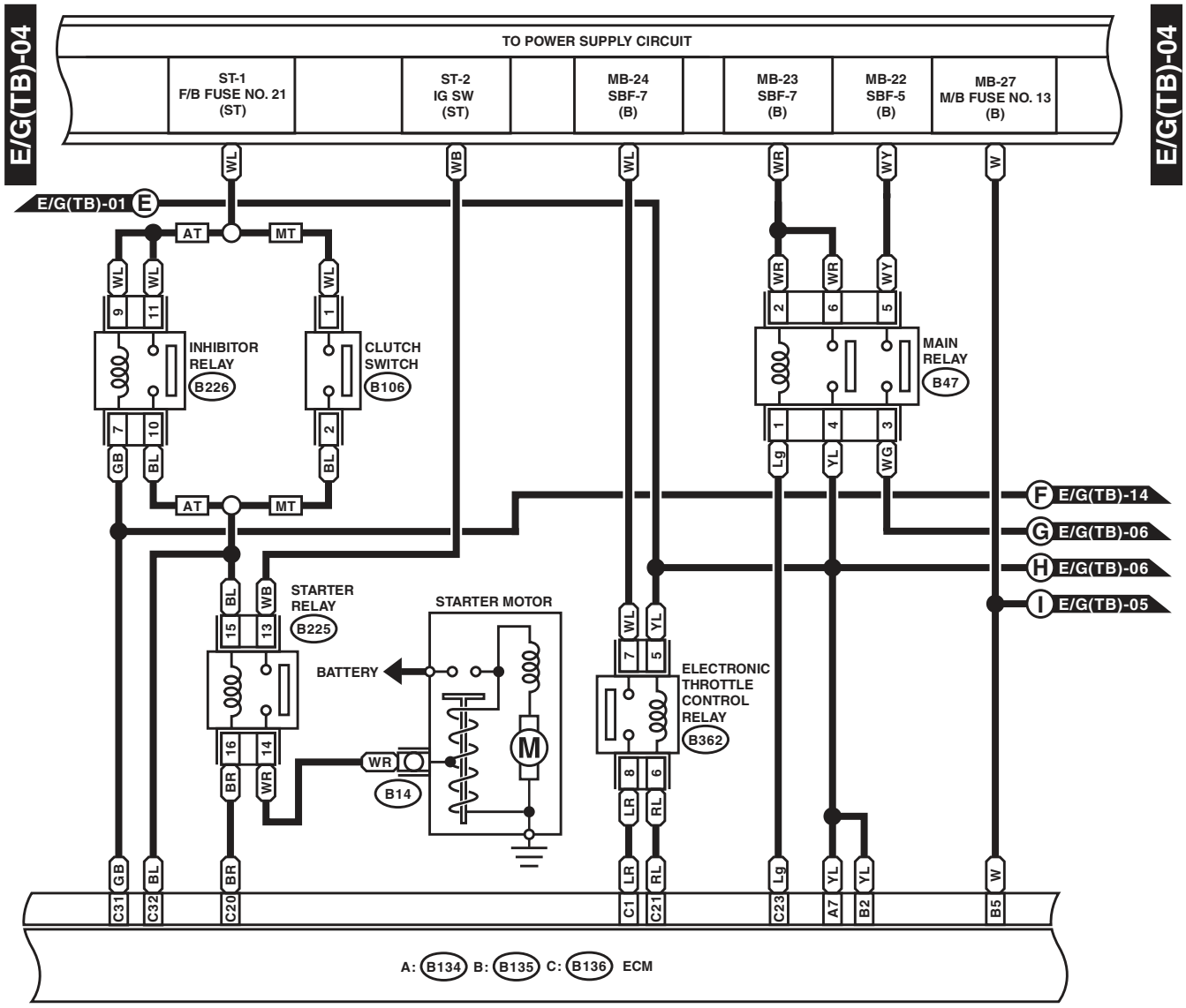
WI-16201

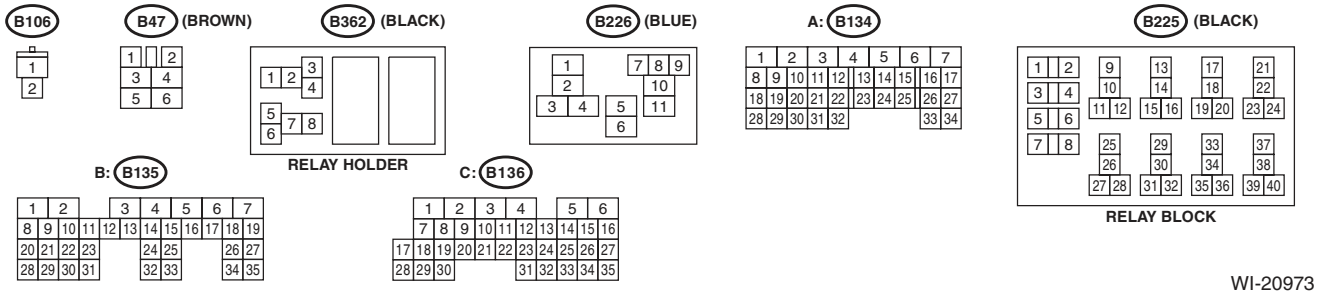

E/G(TB)-02
E/G(TB)-02
REF. TO CRUISE CONTROL SYSTEM [C/C(T6)-01]
REF. TO IMMOBILIZER SYSTEM [IMB-01]
REF. TO RADIATOR FAN SYSTEM [R/F(H4)-01]
REF. TO AIR CONDITIONING SYSTEM [A-A/C-01-02]
Br
Y
W
LP
WL
BP
LR
WR
R
YB
LOr
B28
B20
B12
B24
C26
C34
C18
C29
C24
C33
C9
B: B135 C: B136 ECM
B: B135
C: B136

WI-16793

WIRING SYSTEM

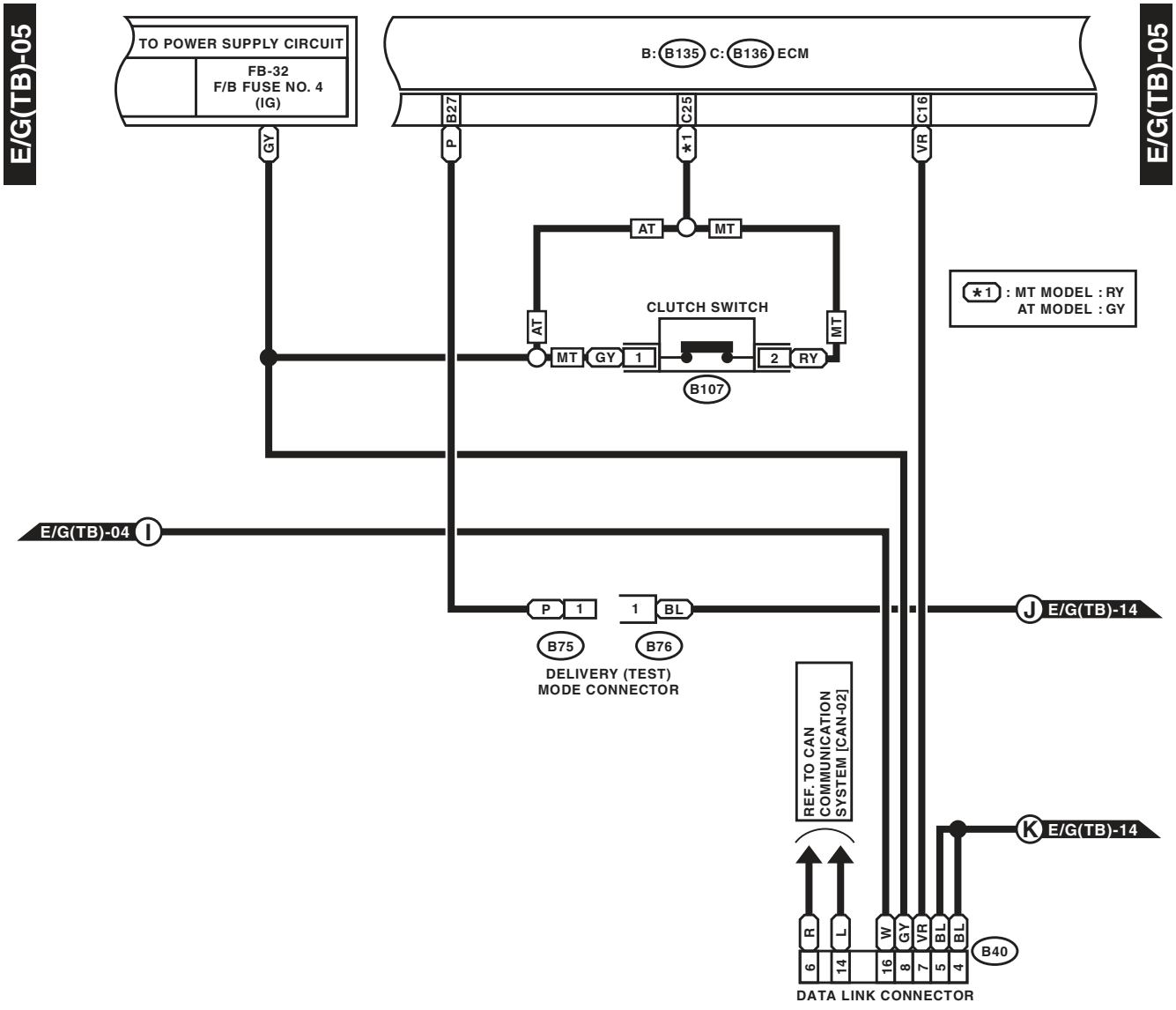


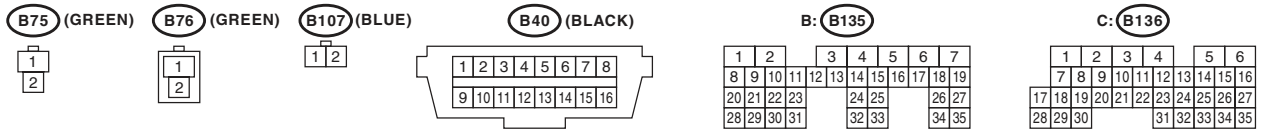

E/G(TB)-04
E/G(TB)-04
TO POWER SUPPLY CIRCUIT
ST-1
F/B FUSE NO. 21
(ST)
ST-2
IG SW
(ST)
MB-24
SBF-7
(B)
MB-23
SBF-7
(B)
MB-22
SBF-5
(B)
MB-27
M/B FUSE NO. 13
(B)
E/G(TB)-01 E
AT
MT
INHIBITOR
RELAY
B226
CLUTCH
SWITCH
B106
MAIN
RELAY
B47
STARTER
RELAY
B225
STARTER MOTOR
BATTERY
B14
ELECTRONIC
THROTTLE
CONTROL
RELAY
B362
F E/G(TB)-14
G E/G(TB)-06
H E/G(TB)-06
I E/G(TB)-05
A: B134 B: B135 C: B136 ECM


B106
B47 (BROWN)
B362 (BLACK)
B226 (BLUE)
A: B134
B225 (BLACK)
RELAY HOLDER
B: B135
C: B136
RELAY BLOCK

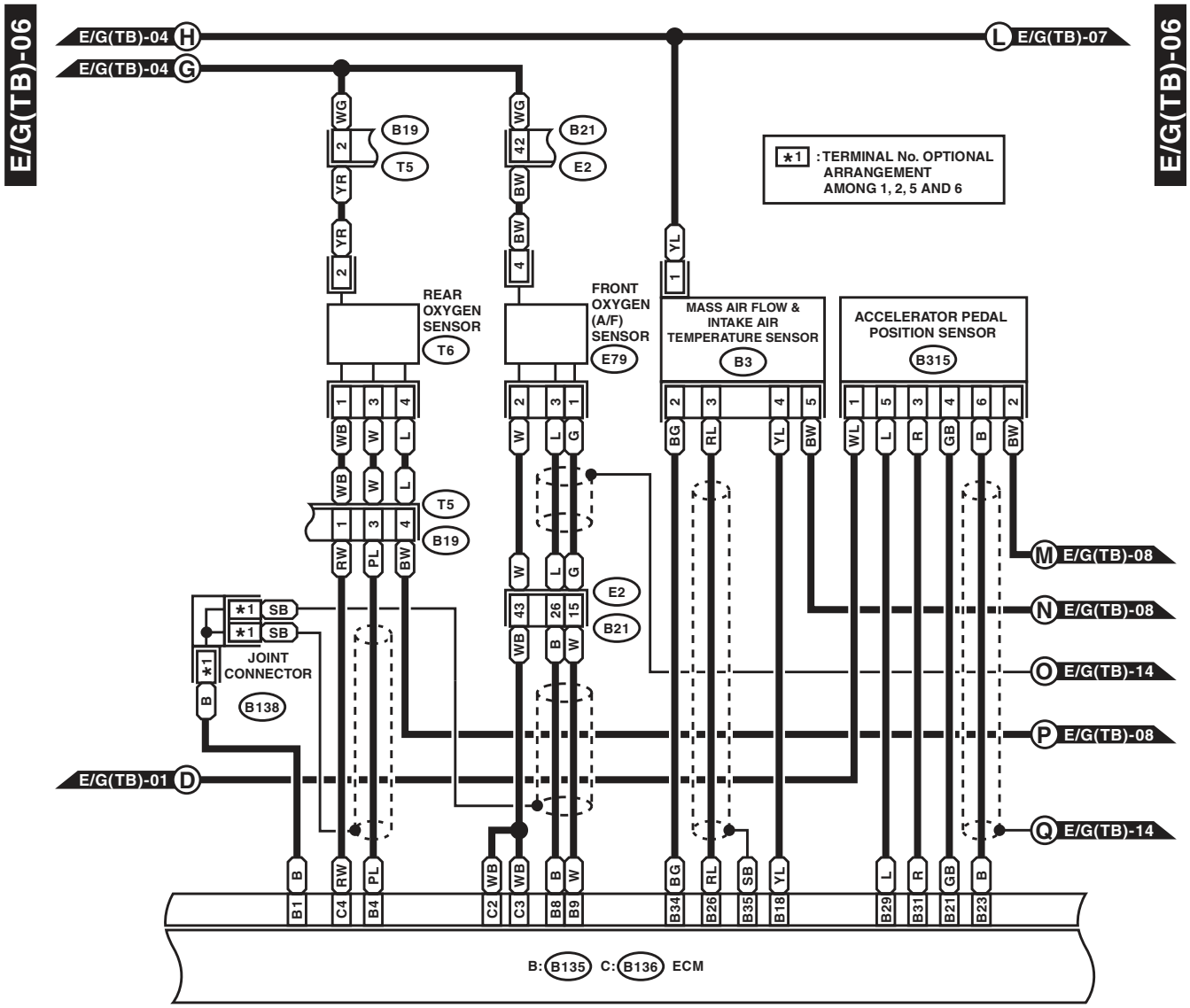
WI-20973

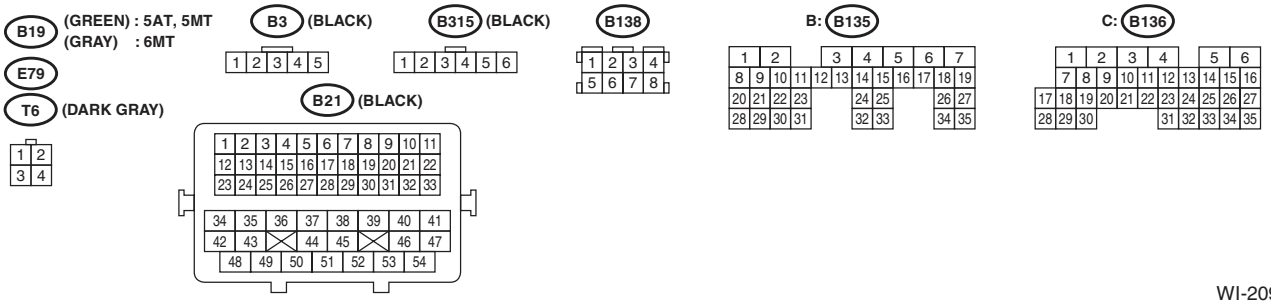
WIRING SYSTEM



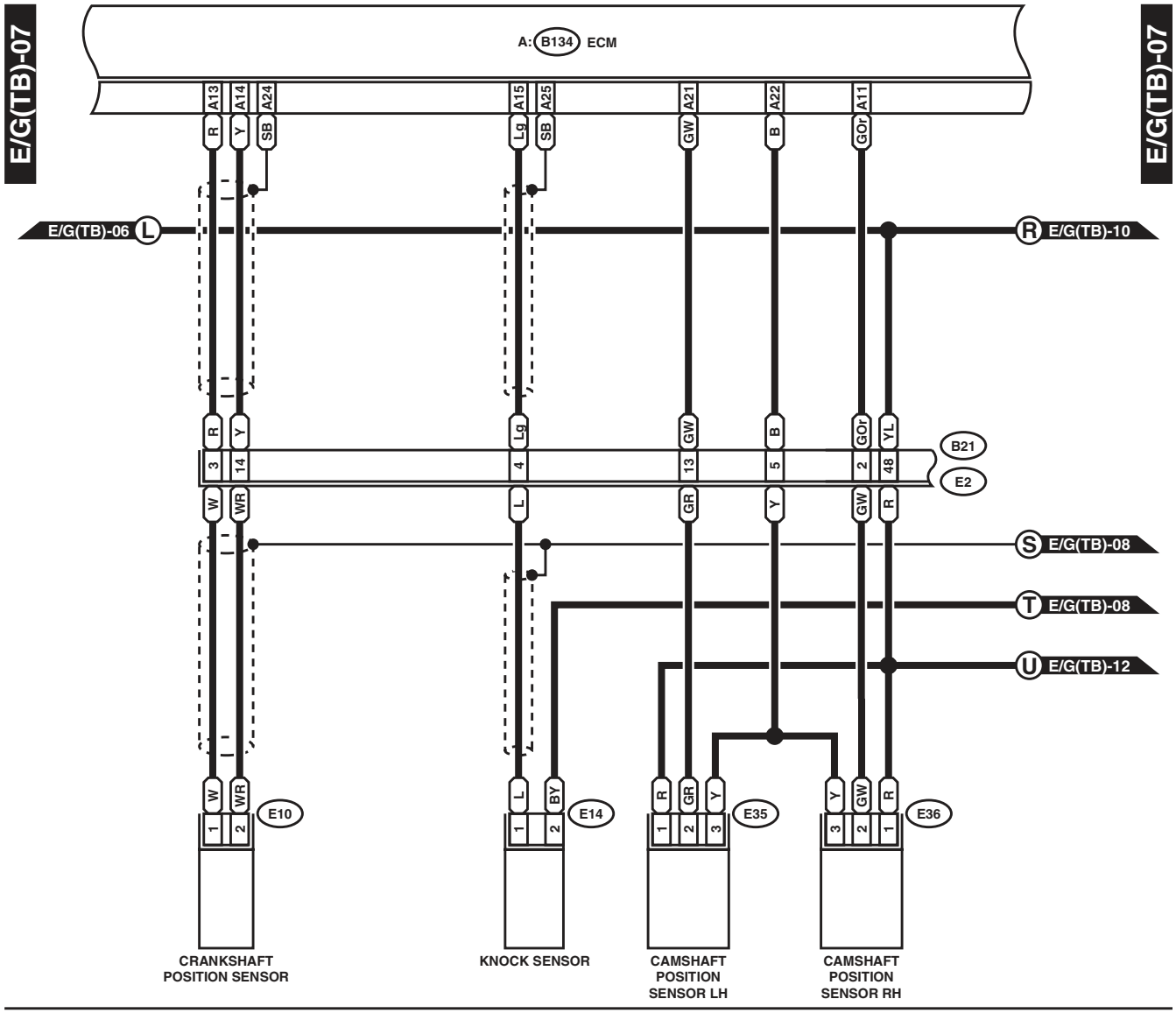


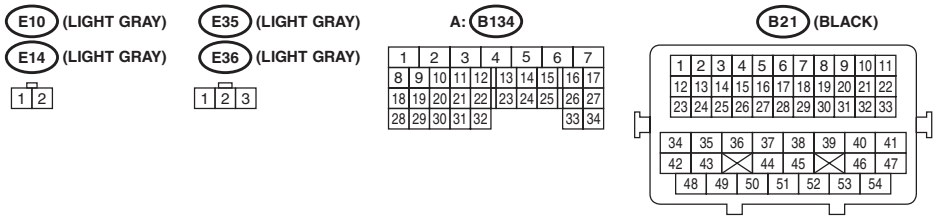
WI-15778


E/G(TB)-06
E/G(TB)-04 H
E/G(TB)-04 G
L E/G(TB)-07
E/G(TB)-06
*1 : TERMINAL No. OPTIONAL ARRANGEMENT AMONG 1, 2, 5 AND 6
B19
T5
B21
E2
REAR OXYGEN SENSOR
T6
FRONT OXYGEN (A/F) SENSOR
E79
MASS AIR FLOW & INTAKE AIR TEMPERATURE SENSOR
B3
ACCELERATOR PEDAL POSITION SENSOR
B315
JOINT CONNECTOR
B138
M E/G(TB)-08
N E/G(TB)-08
O E/G(TB)-14
P E/G(TB)-08
Q E/G(TB)-14
E/G(TB)-01 D
B: B135 C: B136 ECM

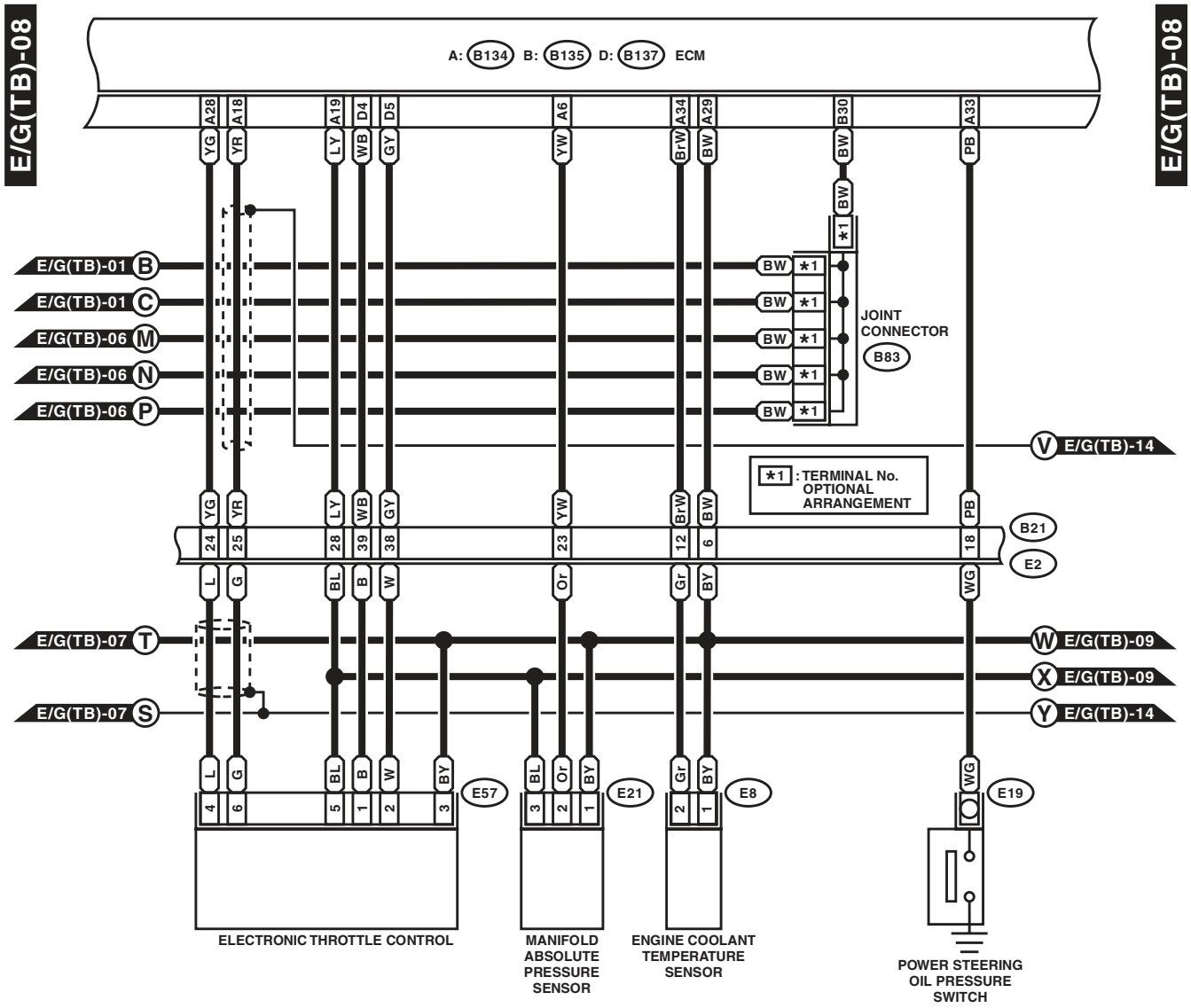

B19 (GREEN) : 5AT, 5MT
(GRAY) : 6MT
E79
T6 (DARK GRAY)
B3 (BLACK)
B315 (BLACK)
B138
B21 (BLACK)
B: B135
C: B136

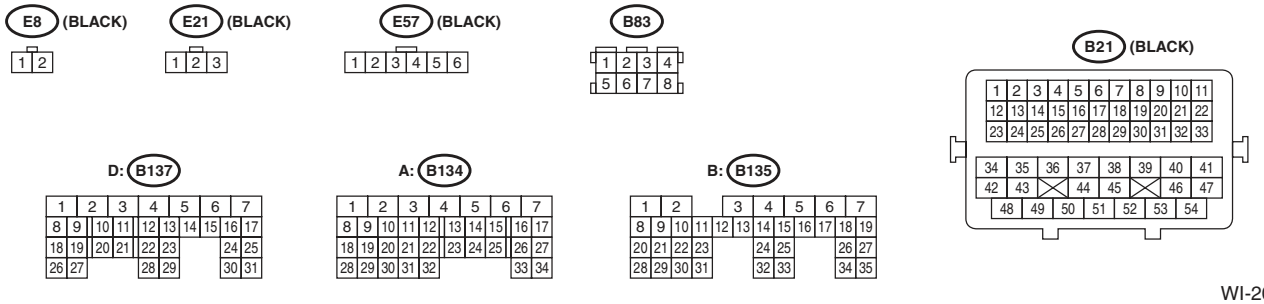
WI-20974


E/G(TB)-07
E/G(TB)-07
A: B134 ECM
A13
A14
A24
A15
A25
A21
A22
A11
R
Y
SB
Lg
SB
GW
B
GOr
E/G(TB)-06 L
R E/G(TB)-10
B21
E2
3
14
4
13
5
2
48
W
WR
L
GR
Y
GW
R
S E/G(TB)-08
T E/G(TB)-08
U E/G(TB)-12
E10
E14
E35
E36
CRANKSHAFT POSITION SENSOR
KNOCK SENSOR
CAMSHAFT POSITION SENSOR LH
CAMSHAFT POSITION SENSOR RH

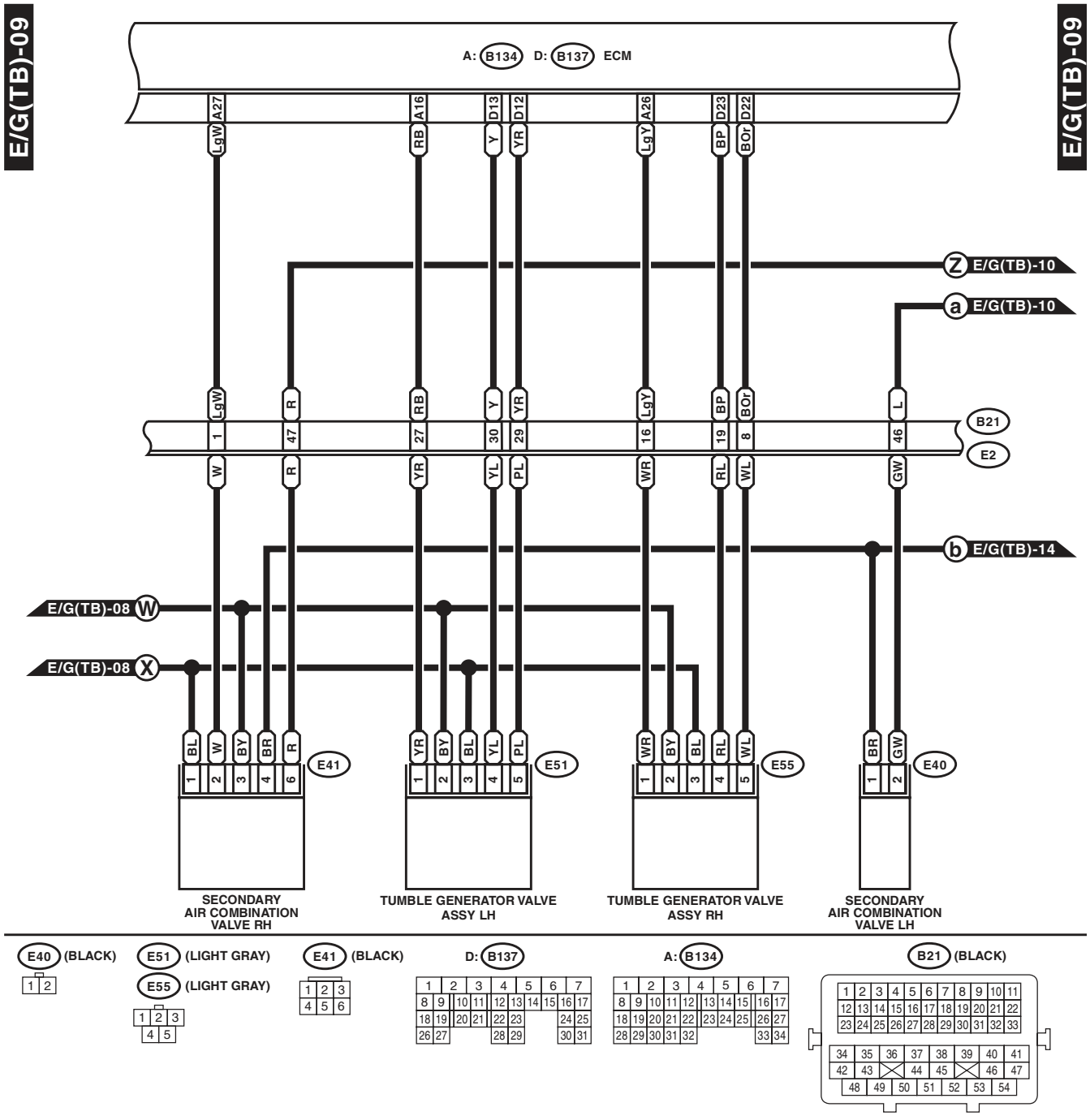

E10 (LIGHT GRAY)
E14 (LIGHT GRAY)
E35 (LIGHT GRAY)
E36 (LIGHT GRAY)
A: B134
B21 (BLACK)

WI-20975

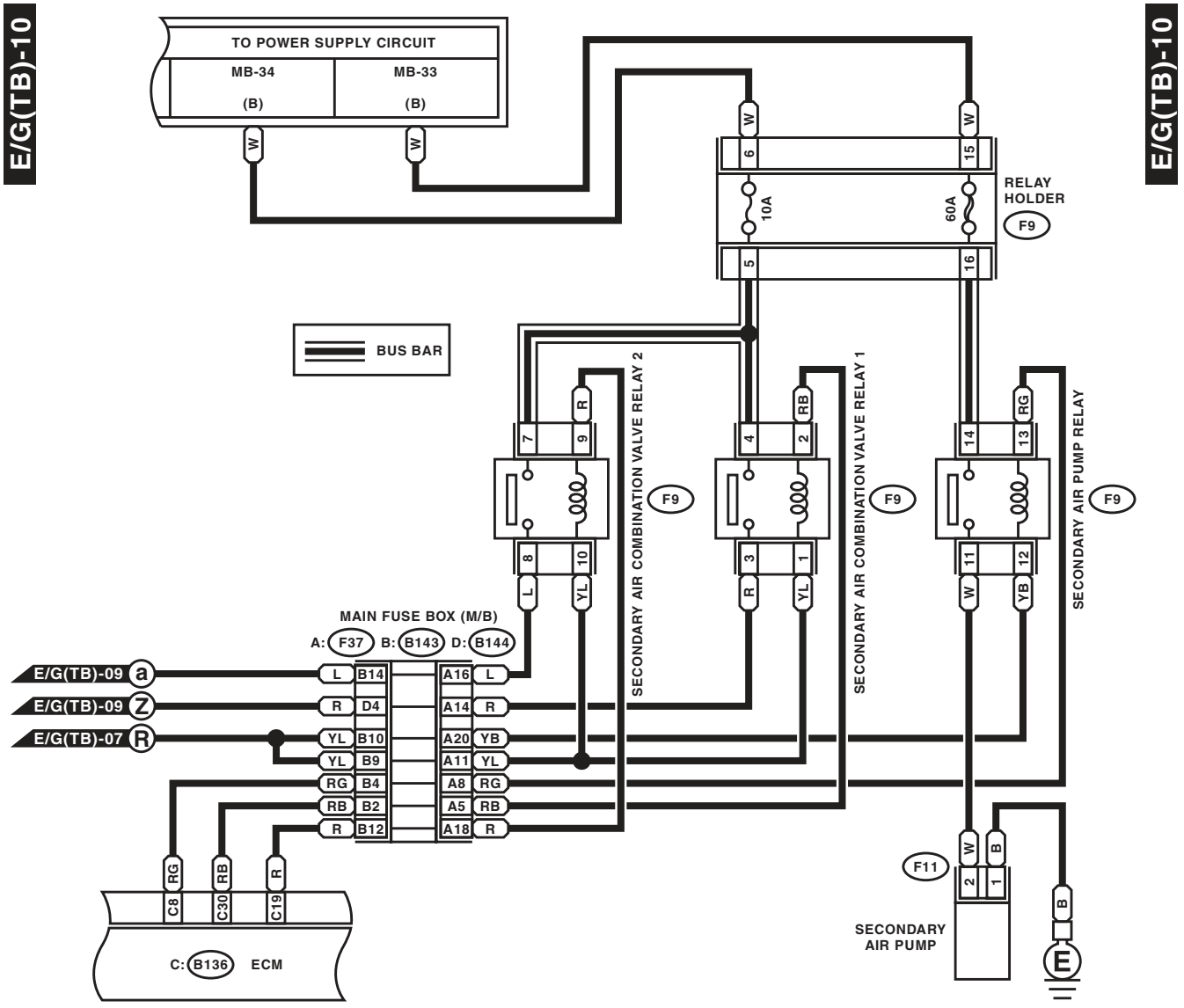

E/G(TB)-08
E/G(TB)-08
A: B134 B: B135 D: B137 ECM
A28 A18 A19 D4 D5 A6 A34 A29 B30 A33
YG YR LY WB GY YW BrW BW BW PB
BW
*1
E/G(TB)-01 B
E/G(TB)-01 C
E/G(TB)-06 M
E/G(TB)-06 N
E/G(TB)-06 P
BW *1
JOINT CONNECTOR B83
V E/G(TB)-14
*1 : TERMINAL No. OPTIONAL ARRANGEMENT
YG YR LY WB GY YW BrW BW PB
24 25 28 39 38 23 12 6 18
B21
E2
L G BL B W Or Gr BY WG
E/G(TB)-07 T
E/G(TB)-07 S
W E/G(TB)-09
X E/G(TB)-09
Y E/G(TB)-14
L G BL B W BY BL Or BY Gr BY WG
4 6 5 1 2 3 3 2 1 2 1 E57 E21 E8 E19
ELECTRONIC THROTTLE CONTROL
MANIFOLD ABSOLUTE PRESSURE SENSOR
ENGINE COOLANT TEMPERATURE SENSOR
POWER STEERING OIL PRESSURE SWITCH

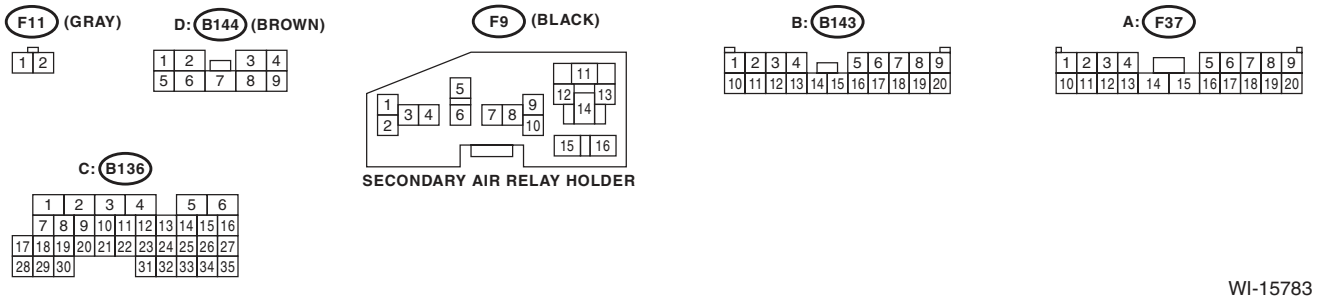

E8 (BLACK)
1 2
E21 (BLACK)
1 2 3
E57 (BLACK)
1 2 3 4 5 6
B83
1 2 3 4
5 6 7 8
B21 (BLACK)
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
23 24 25 26 27 28 29 30 31 32 33
34 35 36 37 38 39 40 41
42 43 44 45 46 47
48 49 50 51 52 53 54
D: B137
1 2 3 4 5 6 7
8 9 10 11 12 13 14 15 16 17
18 19 20 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
B: B135
1 2 3 4 5 6 7
8 9 10 11 12 13 14 15 16 17 18 19
20 21 22 23 24 25 26 27
28 29 30 31 32 33 34 35

WI-20976

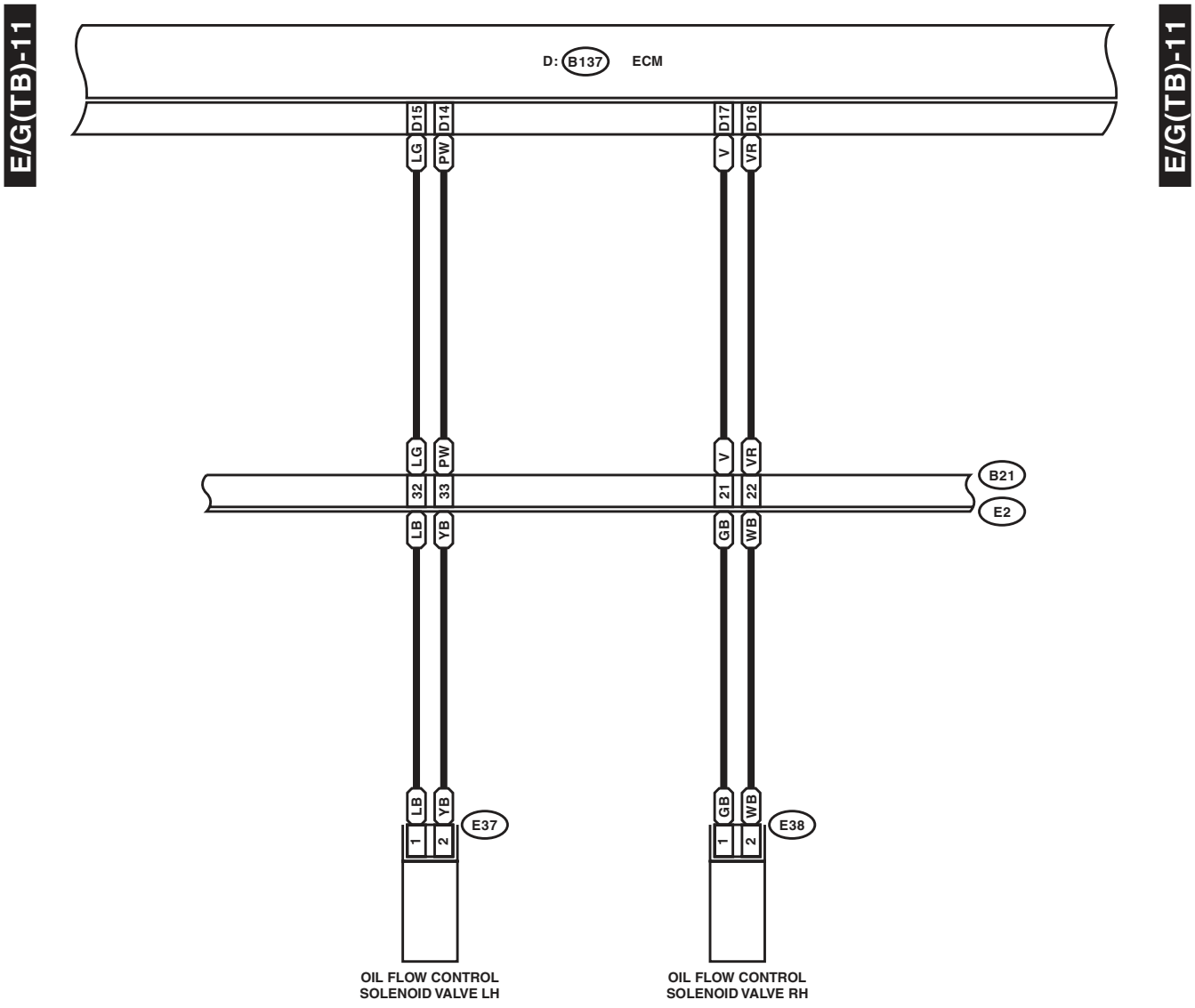

E/G(TB)-09
E/G(TB)-09
A: B134 D: B137 ECM
A27 A16 D13 D12 A26 D23 D22
LgW RB Y YR LgY BP BOr
Z E/G(TB)-10
a E/G(TB)-10
LgW R RB Y YR LgY BP BOr L
1 47 27 30 29 16 19 8 46
B21
E2
W R YR YL PL WR RL WL GW
b E/G(TB)-14
E/G(TB)-08 W
E/G(TB)-08 X
BL W BY BR R
1 2 3 4 6
E41
SECONDARY AIR COMBINATION VALVE RH
YR BY BL YL PL
1 2 3 4 5
E51
TUMBLE GENERATOR VALVE ASSY LH
WR BY BL RL WL
1 2 3 4 5
E55
TUMBLE GENERATOR VALVE ASSY RH
BR GW
1 2
E40
SECONDARY AIR COMBINATION VALVE LH
E40 (BLACK)
1 2
E51 (LIGHT GRAY)
E55 (LIGHT GRAY)
1 2 3
4 5
E41 (BLACK)
1 2 3
4 5 6
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

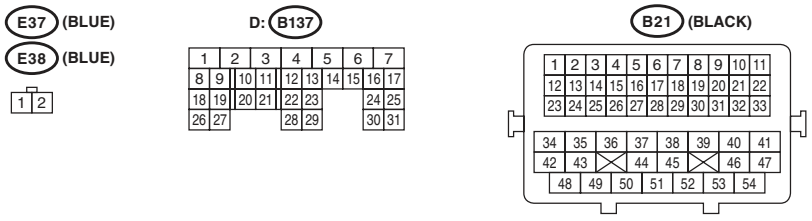
WI-20977


E/G(TB)-10
E/G(TB)-10
TO POWER SUPPLY CIRCUIT
MB-34
(B)
MB-33
(B)
W
W
W
W
6
15
10A
60A
RELAY HOLDER
F9
5
16
BUS BAR
SECONDARY AIR COMBINATION VALVE RELAY 2
SECONDARY AIR COMBINATION VALVE RELAY 1
SECONDARY AIR PUMP RELAY
R
RB
RG
7
9
4
2
14
13
F9
F9
F9
8
10
3
1
11
12
L
YL
R
YL
W
YB
MAIN FUSE BOX (M/B)
A: F37 B: B143 D: B144
E/G(TB)-09 a
E/G(TB)-09 Z
E/G(TB)-07 R
L B14
R D4
YL B10
YL B9
RG B4
RB B2
R B12
A16 L
A14 R
A20 YB
A11 YL
A8 RG
A5 RB
A18 R
RG
RB
R
C8
C30
C19
C: B136 ECM
F11
W
B
2
1
B
SECONDARY AIR PUMP
E

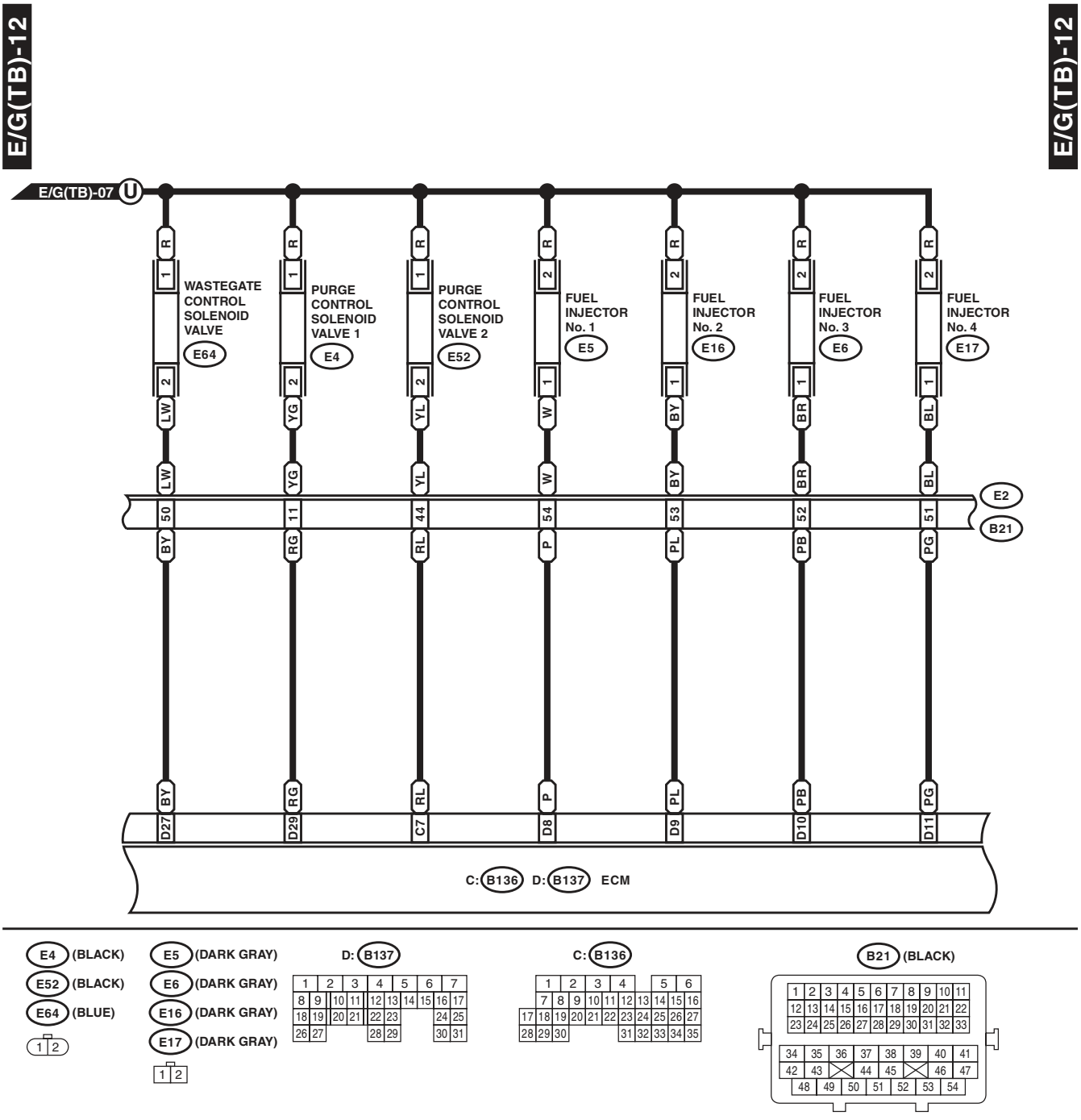

F11 (GRAY)
1 2
D: B144 (BROWN)
1 2 3 4
5 6 7 8 9
F9 (BLACK)
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
SECONDARY AIR RELAY HOLDER
B: B143
1 2 3 4 5 6 7 8 9
10 11 12 13 14 15 16 17 18 19 20
A: F37
1 2 3 4 5 6 7 8 9
10 11 12 13 14 15 16 17 18 19 20
C: B136
1 2 3 4 5 6
7 8 9 10 11 12 13 14 15 16
17 18 19 20 21 22 23 24 25 26 27
28 29 30 31 32 33 34 35

WI-15783

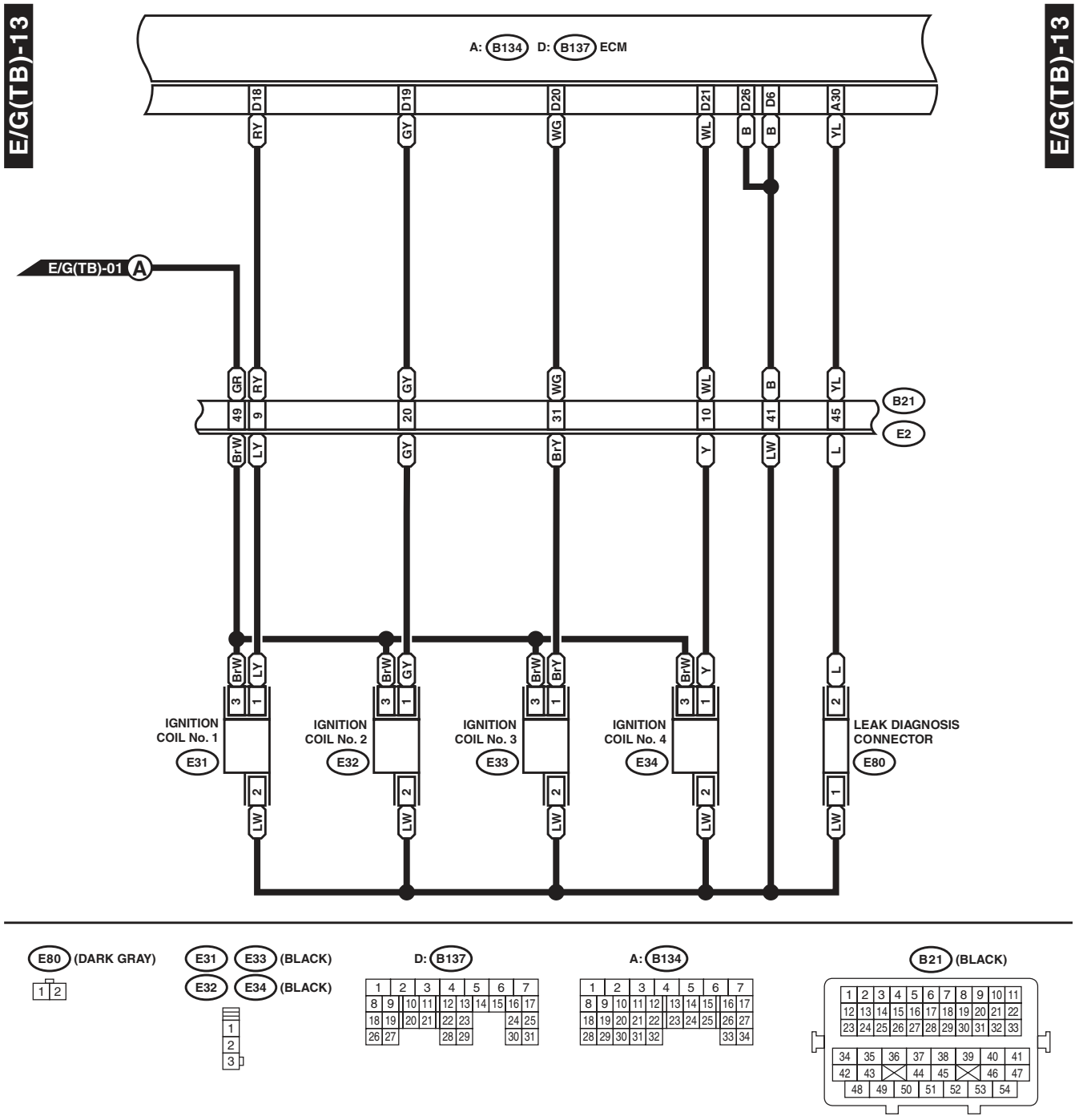

E/G(TB)-11
E/G(TB)-11
D: B137 ECM
D15
D14
D17
D16
LG
PW
V
VR
LG
PW
V
VR
32
33
21
22
B21
E2
LB
YB
GB
WB
LB
YB
GB
WB
1
2
1
2
E37
E38
OIL FLOW CONTROL SOLENOID VALVE LH
OIL FLOW CONTROL SOLENOID VALVE RH


E37 (BLUE)
E38 (BLUE)
1 2
D: B137
1 2 3 4 5 6 7
8 9 10 11 12 13 14 15 16 17
18 19 20 21 22 23 24 25
26 27 28 29 30 31
B21 (BLACK)
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
23 24 25 26 27 28 29 30 31 32 33
34 35 36 37 38 39 40 41
42 43 44 45 46 47
48 49 50 51 52 53 54

WI-20978

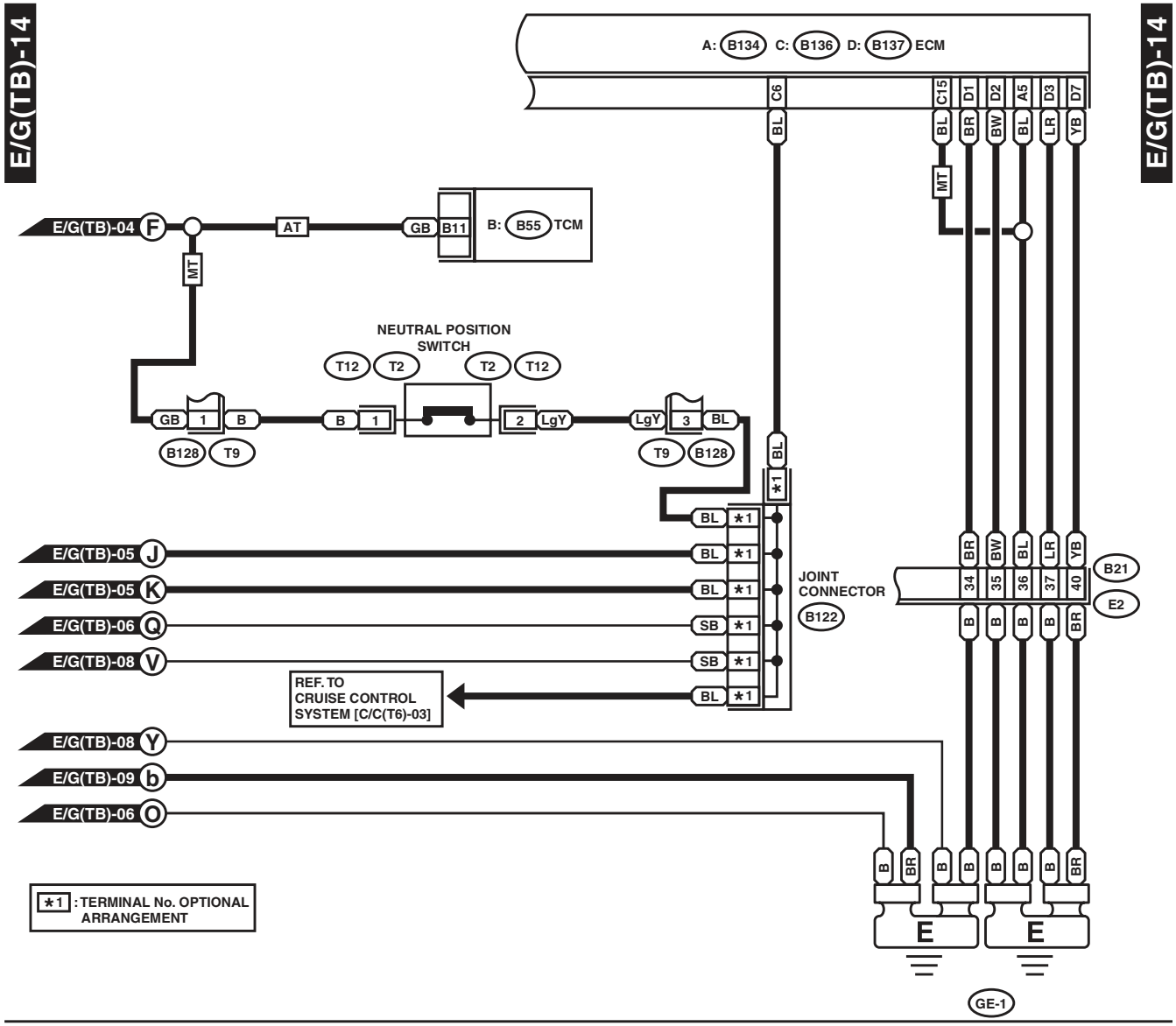

E/G(TB)-12
E/G(TB)-12
E/G(TB)-07 U
WASTEGATE CONTROL SOLENOID VALVE
E64
PURGE CONTROL SOLENOID VALVE 1
E4
PURGE CONTROL SOLENOID VALVE 2
E52
FUEL INJECTOR No. 1
E5
FUEL INJECTOR No. 2
E16
FUEL INJECTOR No. 3
E6
FUEL INJECTOR No. 4
E17
E2
B21
C: B136 D: B137 ECM
E4 (BLACK)
E52 (BLACK)
E64 (BLUE)
E5 (DARK GRAY)
E6 (DARK GRAY)
E16 (DARK GRAY)
E17 (DARK GRAY)
D: B137
C: B136
B21 (BLACK)

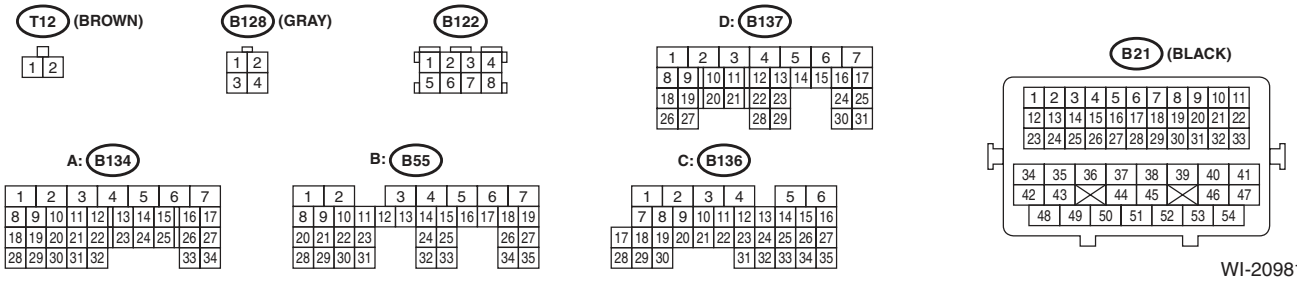
WI-20979


E/G(TB)-13
E/G(TB)-13
A: B134 D: B137 ECM
D18
D19
D20
D21
D26
D6
A30
RY
GY
WG
WL
B
B
YL
E/G(TB)-01 A
GR
RY
GY
WG
WL
B
YL
49
9
20
31
10
41
45
B21
E2
BrW
LY
GY
BrY
Y
LW
L
IGNITION COIL No. 1
E31
IGNITION COIL No. 2
E32
IGNITION COIL No. 3
E33
IGNITION COIL No. 4
E34
LEAK DIAGNOSIS CONNECTOR
E80
LW

E80 (DARK GRAY)
E31 E33 (BLACK)
E32 E34 (BLACK)
D: B137
A: B134
B21 (BLACK)

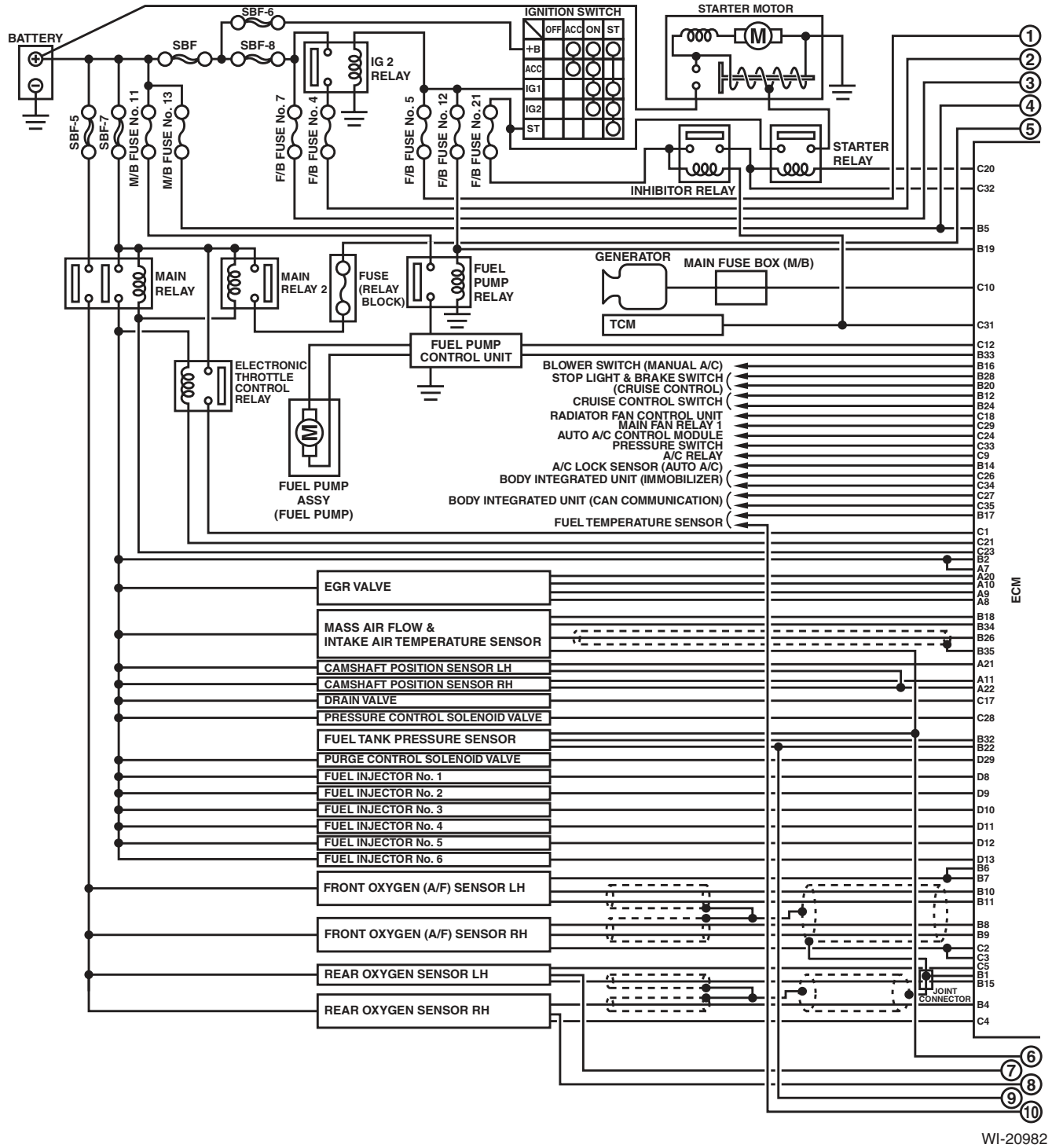
WI-20980


E/G(TB)-14
E/G(TB)-14
A: B134 C: B136 D: B137 ECM
C6
C15
D1
D2
A5
D3
D7
BL
BR
BW
LR
YB
MT
E/G(TB)-04 F
AT
GB
B11
B: B55 TCM
NEUTRAL POSITION SWITCH
T12
T2
T2
T12
GB
1
B
B
1
2
LgY
LgY
3
BL
B128
T9
T9
B128
★1
E/G(TB)-05 J
E/G(TB)-05 K
E/G(TB)-06 Q
E/G(TB)-08 V
SB
REF. TO CRUISE CONTROL SYSTEM [C/C(T6)-03]
JOINT CONNECTOR
B122
B21
E2
34
35
36
37
40
B
BR
E/G(TB)-08 Y
E/G(TB)-09 b
E/G(TB)-06 O
★1 : TERMINAL No. OPTIONAL ARRANGEMENT
E
E
GE-1

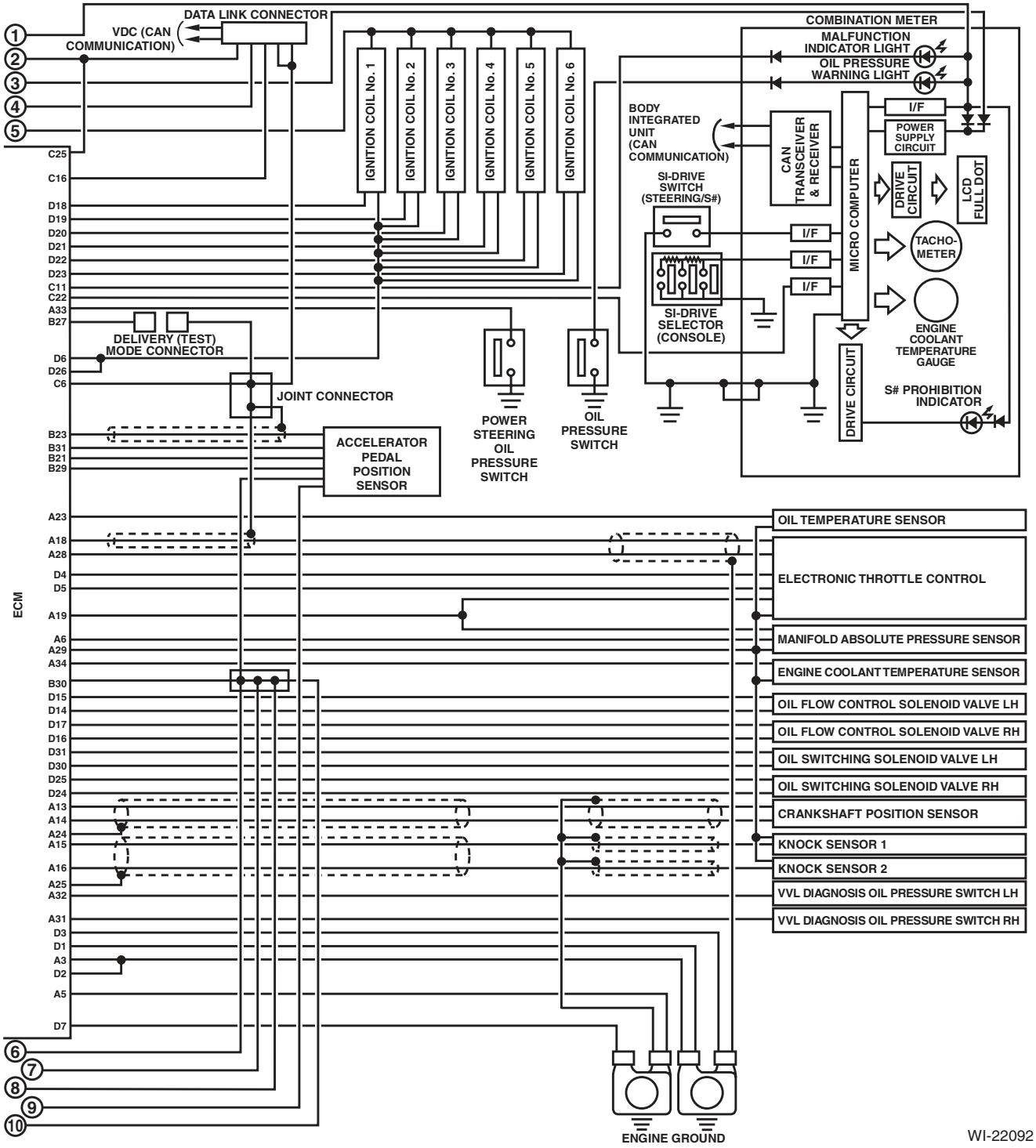

T12 (BROWN)
B128 (GRAY)
B122
D: B137
B21 (BLACK)
A: B134
B: B55
C: B136

WI-20981

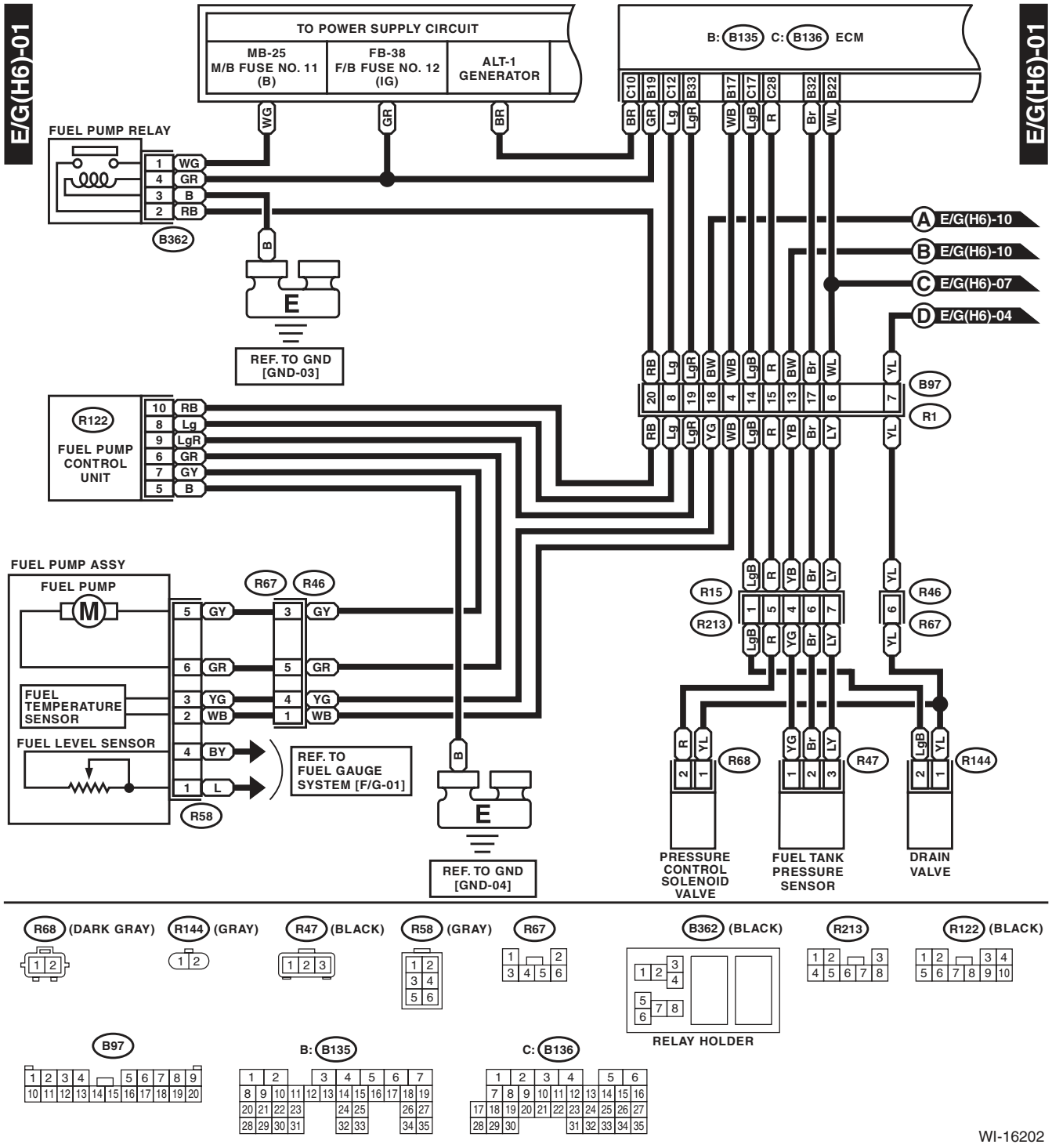
3. 3.0 L MODEL

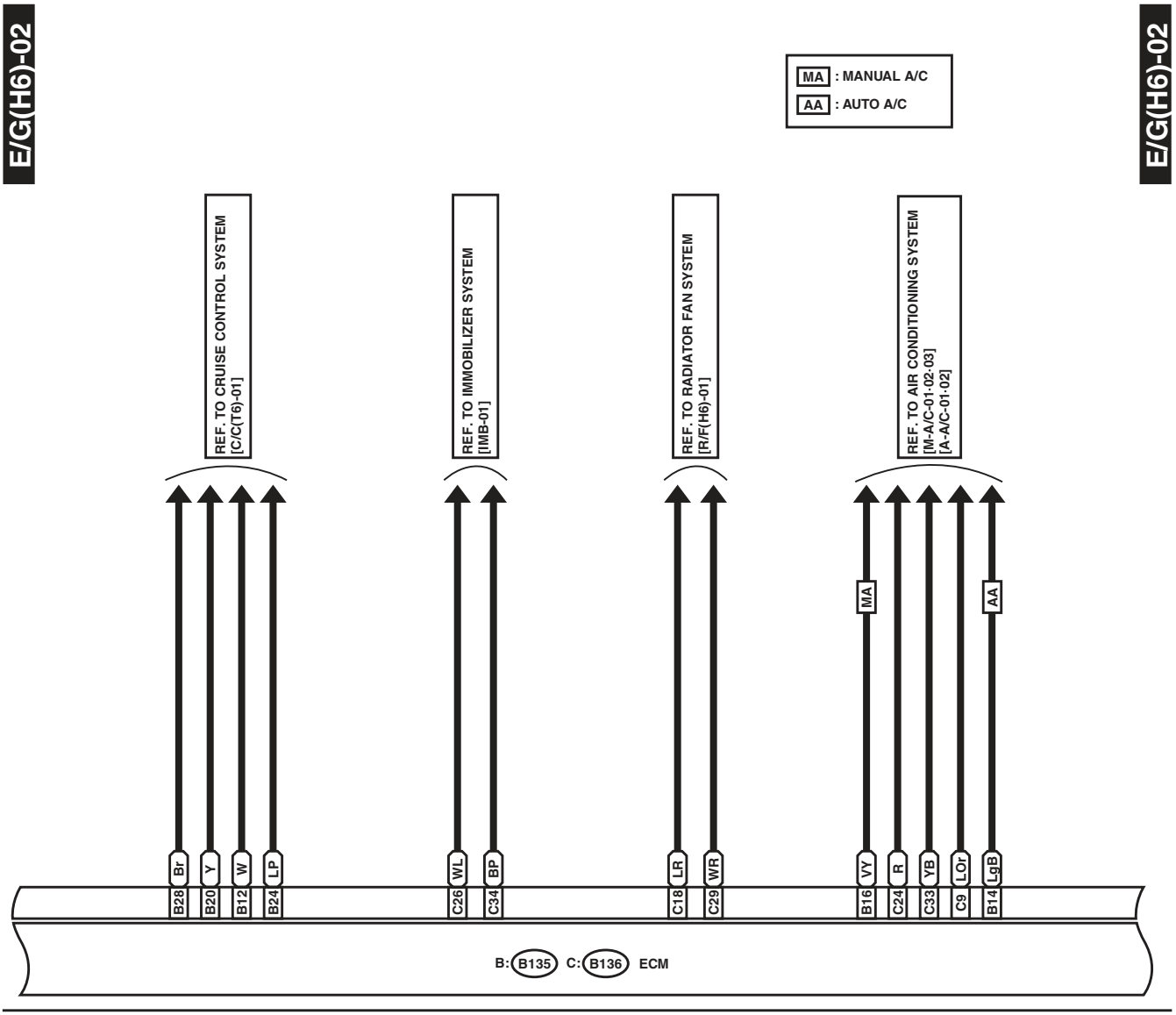


WI-20982

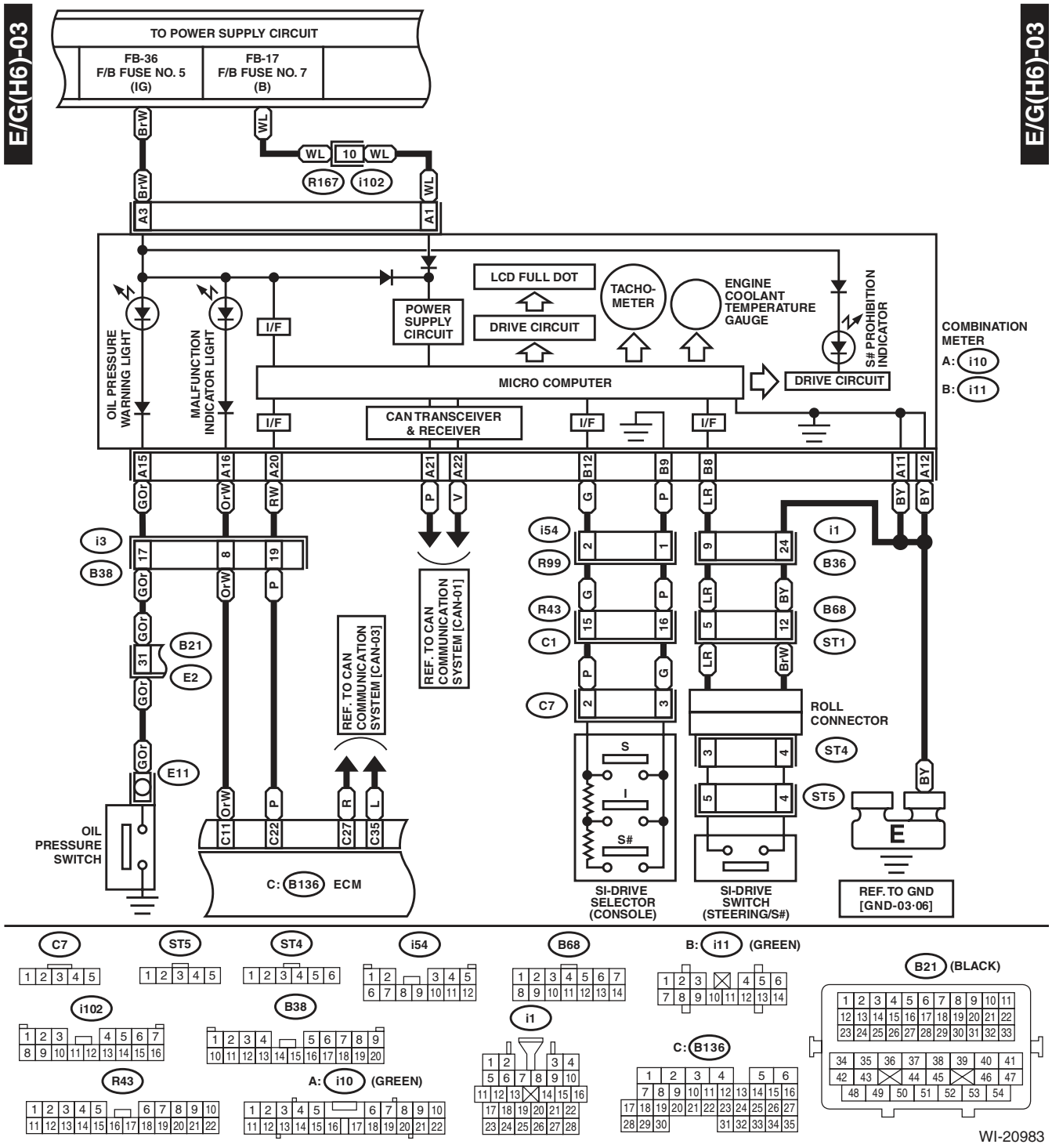

DATA LINK CONNECTOR
VDC (CAN COMMUNICATION)
COMBINATION METER
MALFUNCTION INDICATOR LIGHT
OIL PRESSURE WARNING LIGHT
IGNITION COIL No. 1
IGNITION COIL No. 2
IGNITION COIL No. 3
IGNITION COIL No. 4
IGNITION COIL No. 5
IGNITION COIL No. 6
BODY INTEGRATED UNIT (CAN COMMUNICATION)
SI-DRIVE SWITCH (STEERING/S#)
CAN TRANSCEIVER & RECEIVER
MICRO COMPUTER
I/F
POWER SUPPLY CIRCUIT
DRIVE CIRCUIT
LCD FULL DOT
TACHO-METER
ENGINE COOLANT TEMPERATURE GAUGE
S# PROHIBITION INDICATOR
SI-DRIVE SELECTOR (CONSOLE)
DELIVERY (TEST) MODE CONNECTOR
JOINT CONNECTOR
ACCELERATOR PEDAL POSITION SENSOR
POWER STEERING OIL PRESSURE SWITCH
OIL PRESSURE SWITCH
ECM
OIL TEMPERATURE SENSOR
ELECTRONIC THROTTLE CONTROL
MANIFOLD ABSOLUTE PRESSURE SENSOR
ENGINE COOLANT TEMPERATURE SENSOR
OIL FLOW CONTROL SOLENOID VALVE LH
OIL FLOW CONTROL SOLENOID VALVE RH
OIL SWITCHING SOLENOID VALVE LH
OIL SWITCHING SOLENOID VALVE RH
CRANKSHAFT POSITION SENSOR
KNOCK SENSOR 1
KNOCK SENSOR 2
VVL DIAGNOSIS OIL PRESSURE SWITCH LH
VVL DIAGNOSIS OIL PRESSURE SWITCH RH
ENGINE GROUND
WI-22092

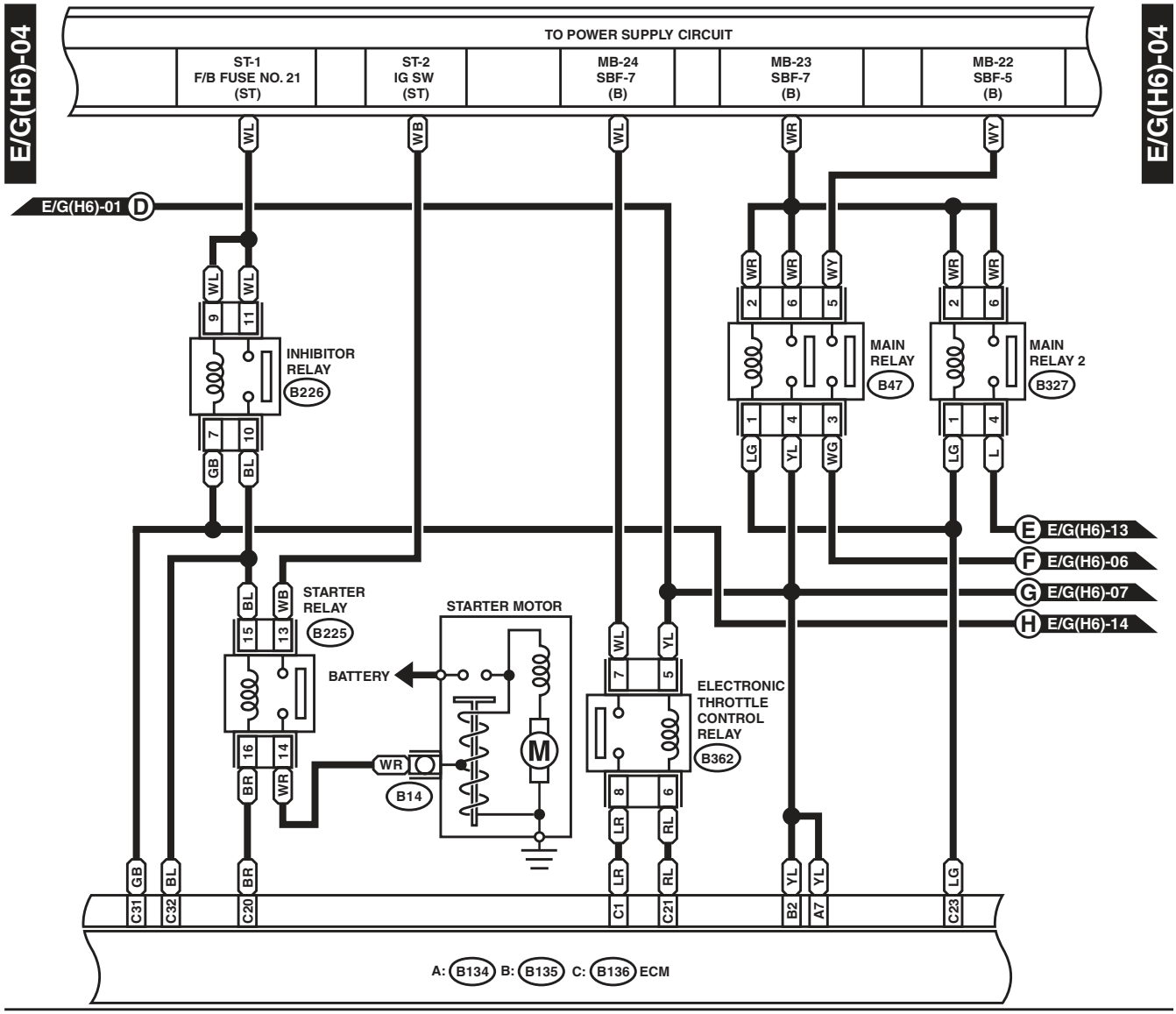
WIRING SYSTEM

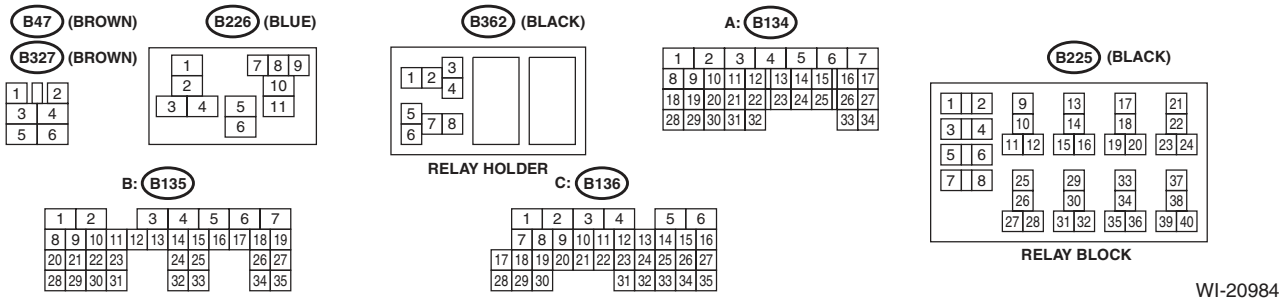



E/G(H6)-02
E/G(H6)-02
MA : MANUAL A/C
AA : AUTO A/C
REF. TO CRUISE CONTROL SYSTEM [C/C(T6)-01]
REF. TO IMMOBILIZER SYSTEM [IMB-01]
REF. TO RADIATOR FAN SYSTEM [R/F(H6)-01]
REF. TO AIR CONDITIONING SYSTEM [M-A/C-01-02-03] [A-A/C-01-02]
MA
AA
Br
Y
W
LP
WL
BP
LR
WR
VY
R
YB
LOr
LgB
B28
B20
B12
B24
C26
C34
C18
C29
B16
C24
C33
C9
B14
B: B135 C: B136 ECM
B: B135
C: B136

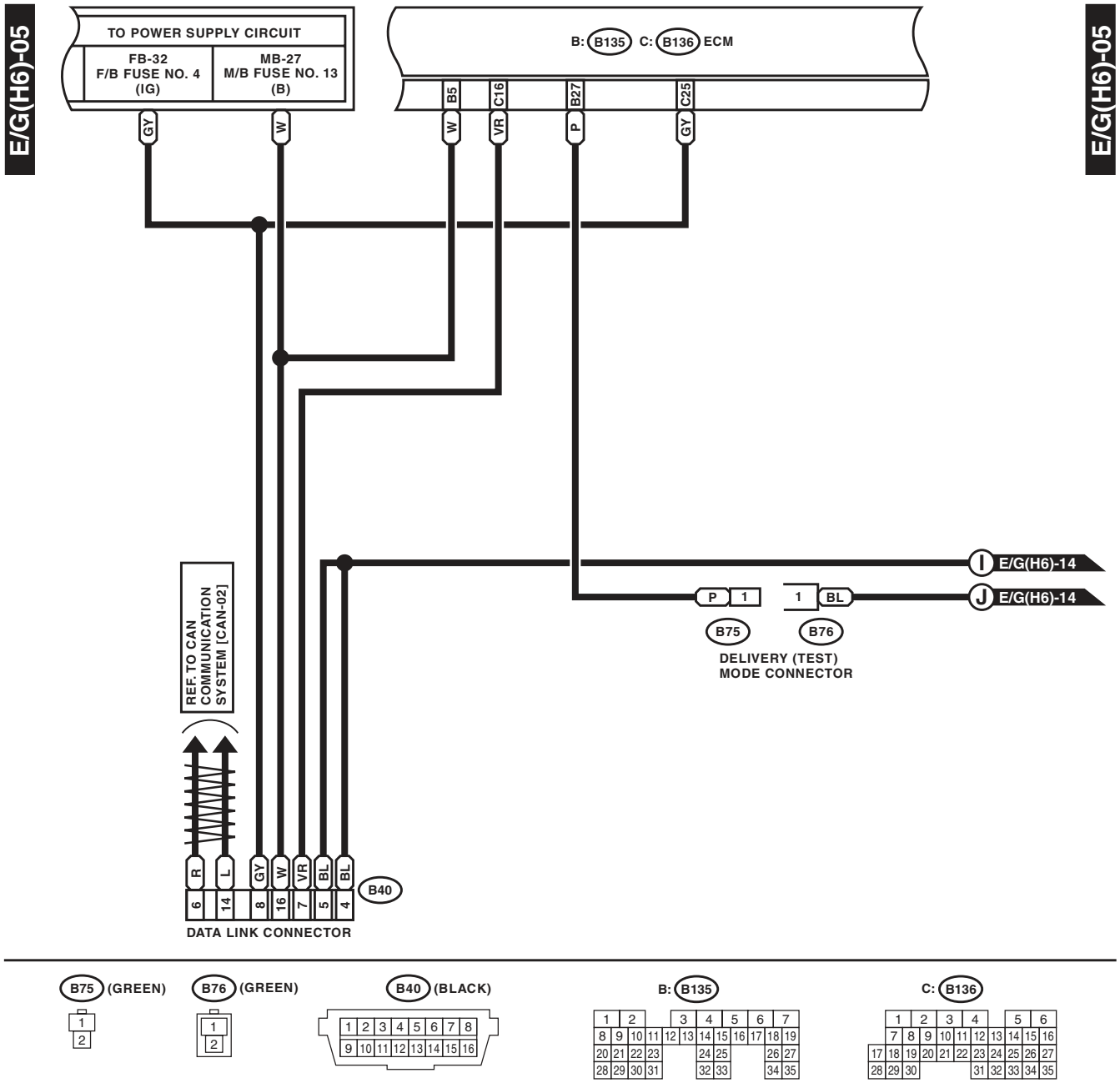
WI-22093


E/G(H6)-03
E/G(H6)-03
TO POWER SUPPLY CIRCUIT
FB-36 F/B FUSE NO. 5 (IG)
FB-17 F/B FUSE NO. 7 (B)
BrW
WL
WL
10
WL
R167
i102
BrW
WL
A3
A1
LCD FULL DOT
TACHO-METER
ENGINE COOLANT TEMPERATURE GAUGE
S# PROHIBITION INDICATOR
COMBINATION METER
A: i10
B: i11
POWER SUPPLY CIRCUIT
DRIVE CIRCUIT
OIL PRESSURE WARNING LIGHT
MALFUNCTION INDICATOR LIGHT
I/F
I/F
MICRO COMPUTER
DRIVE CIRCUIT
CAN TRANSCEIVER & RECEIVER
I/F
I/F
A15
A16
A20
A21
A22
B12
B9
B8
A11
A12
GOr
OrW
RW
P
V
G
P
LR
BY
BY
i3
B38
i54
R99
R43
C1
C7
i1
B36
B68
ST1
B21
E2
E11
REF. TO CAN COMMUNICATION SYSTEM [CAN-03]
REF. TO CAN COMMUNICATION SYSTEM [CAN-01]
ROLL CONNECTOR
ST4
ST5
OIL PRESSURE SWITCH
C11
C22
C27
C35
C: B136 ECM
S
I
S#
SI-DRIVE SELECTOR (CONSOLE)
SI-DRIVE SWITCH (STEERING/S#)
E
REF. TO GND [GND-03·06]
C7
ST5
ST4
i54
B68
B: i11 (GREEN)
B21 (BLACK)
i102
B38
i1
C: B136
R43
A: i10 (GREEN)
WI-20983


E/G(H6)-04
E/G(H6)-04
TO POWER SUPPLY CIRCUIT
ST-1
F/B FUSE NO. 21
(ST)
ST-2
IG SW
(ST)
MB-24
SBF-7
(B)
MB-23
SBF-7
(B)
MB-22
SBF-5
(B)
E/G(H6)-01 D
INHIBITOR
RELAY
B226
MAIN
RELAY
B47
MAIN
RELAY 2
B327
STARTER
RELAY
B225
STARTER MOTOR
BATTERY
B14
ELECTRONIC
THROTTLE
CONTROL
RELAY
B362
E E/G(H6)-13
F E/G(H6)-06
G E/G(H6)-07
H E/G(H6)-14
A: B134 B: B135 C: B136 ECM

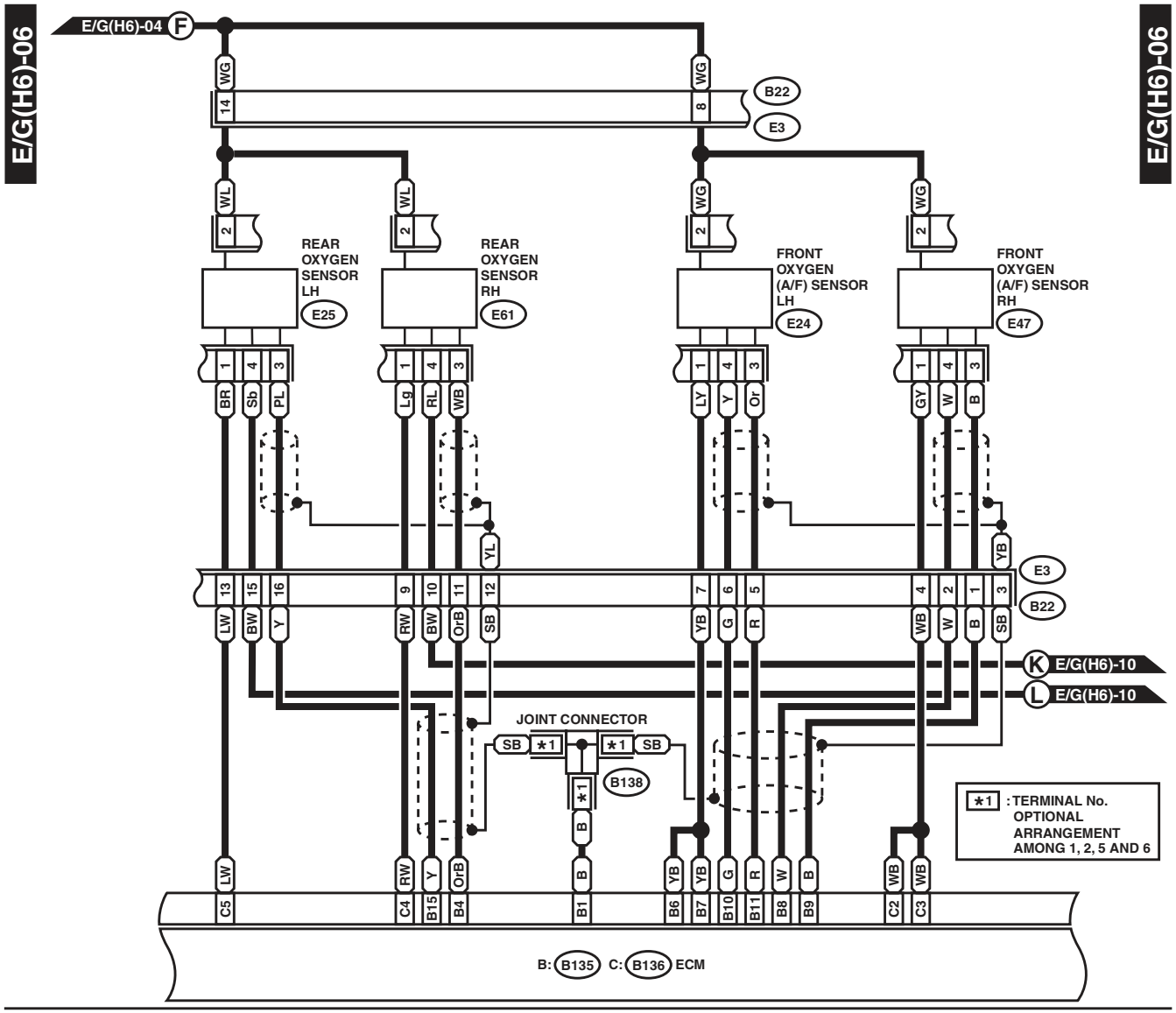

B47 (BROWN)
B327 (BROWN)
B226 (BLUE)
B362 (BLACK)
RELAY HOLDER
A: B134
B225 (BLACK)
RELAY BLOCK
B: B135
C: B136

WI-20984


E/G(H6)-05
E/G(H6)-05
TO POWER SUPPLY CIRCUIT
FB-32
F/B FUSE NO. 4
(IG)
MB-27
M/B FUSE NO. 13
(B)
B: B135 C: B136 ECM
B5
C16
B27
C25
GY
W
W
VR
P
GY
I E/G(H6)-14
J E/G(H6)-14
P 1
1 BL
B75
B76
DELIVERY (TEST)
MODE CONNECTOR
REF. TO CAN
COMMUNICATION
SYSTEM [CAN-02]
R
L
GY
W
VR
BL
BL
B40
6
14
8
16
7
5
4
DATA LINK CONNECTOR

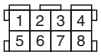
B75 (GREEN)
B76 (GREEN)
B40 (BLACK)
B: B135
C: B136

WI-15792

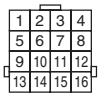


E24 (LIGHT GRAY)
E25 (DARK GRAY)
E47 (LIGHT GRAY)
E61 (DARK GRAY)

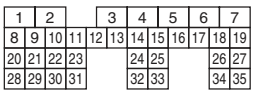
B138



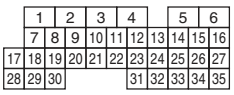
B22 (BROWN)



B: B135

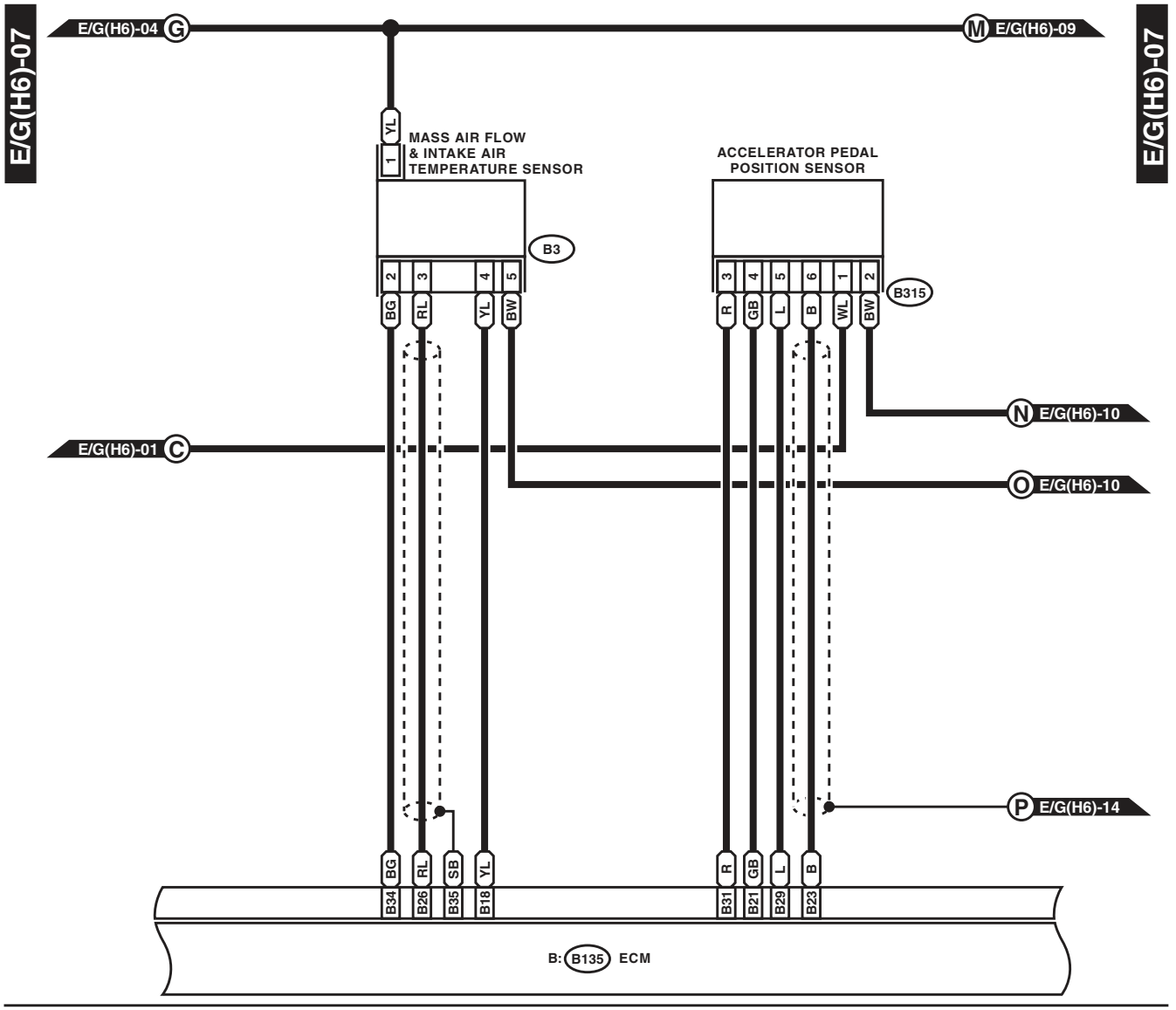


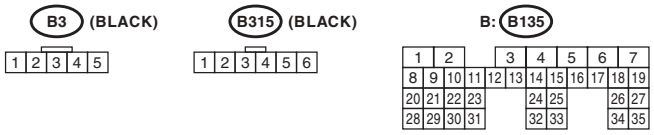
C: B136



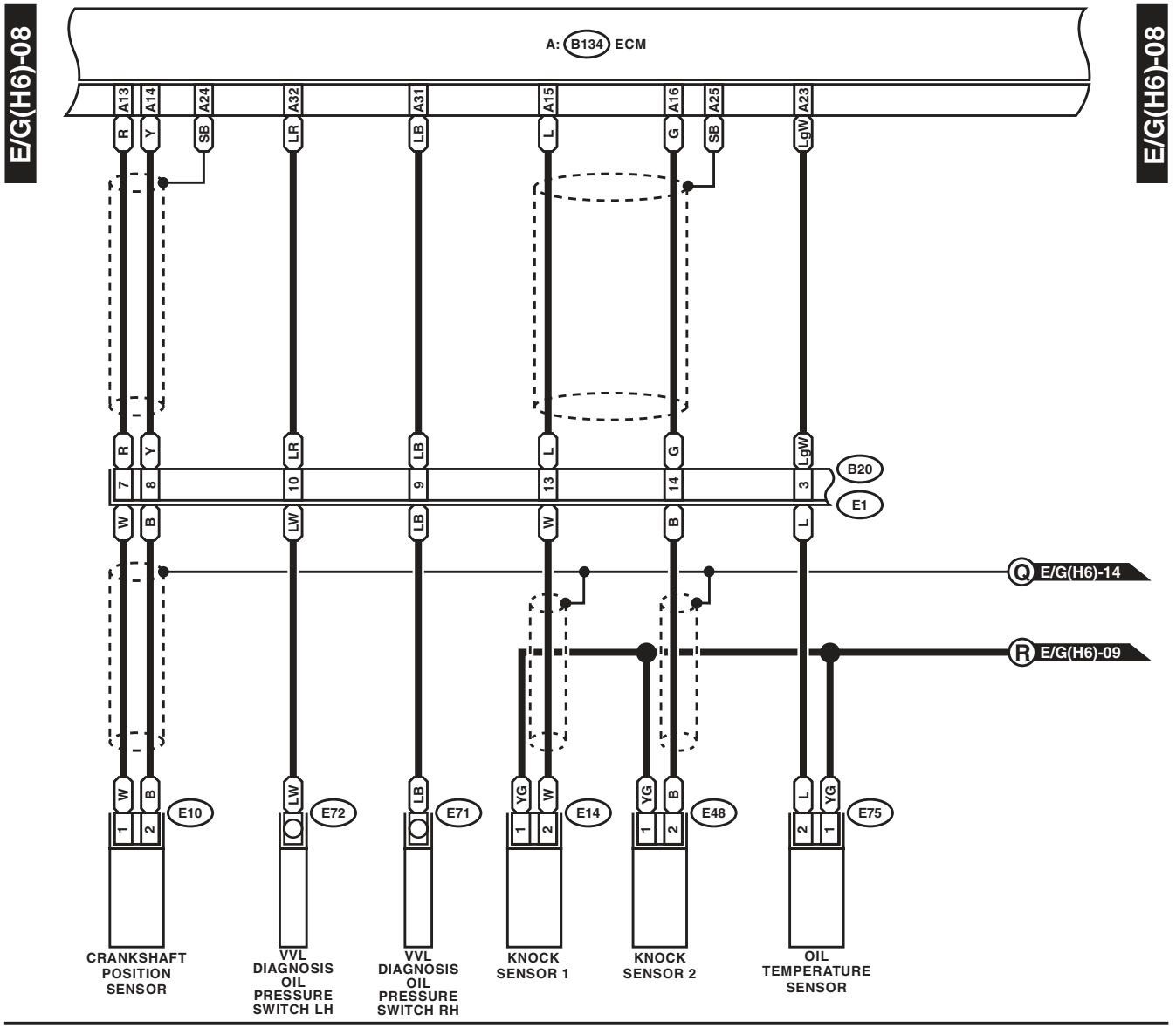
WI-22094

WIRING SYSTEM

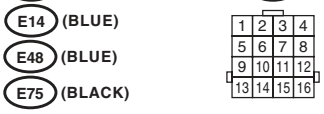


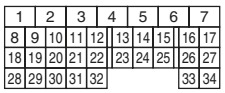


WI-15794

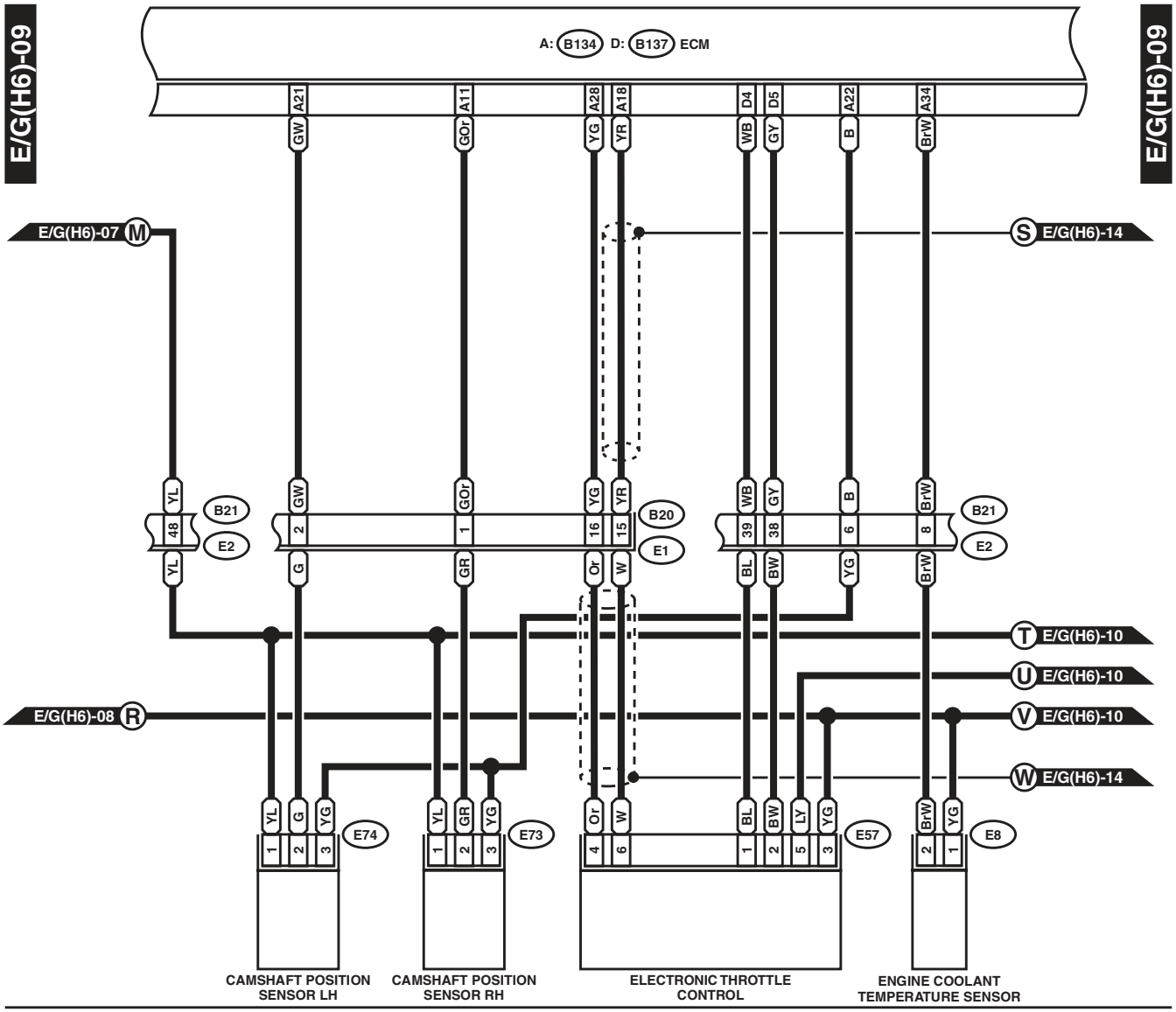


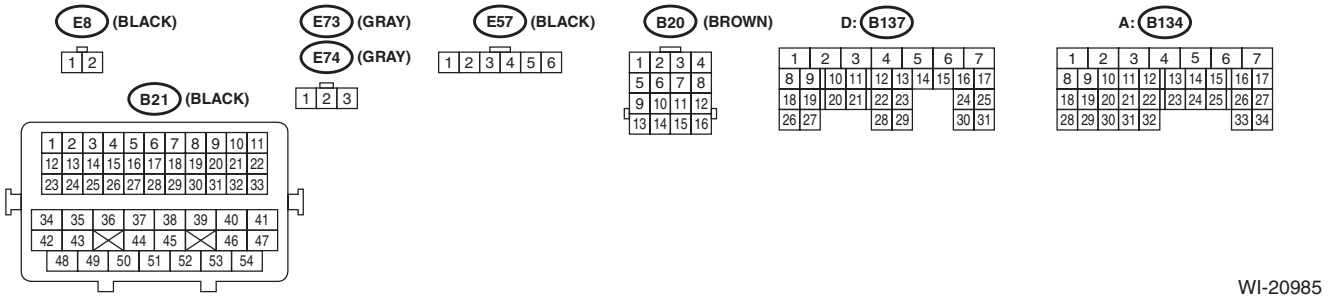
E10 (LIGHT GRAY)
E14 (BLUE)
E48 (BLUE)
E75 (BLACK)



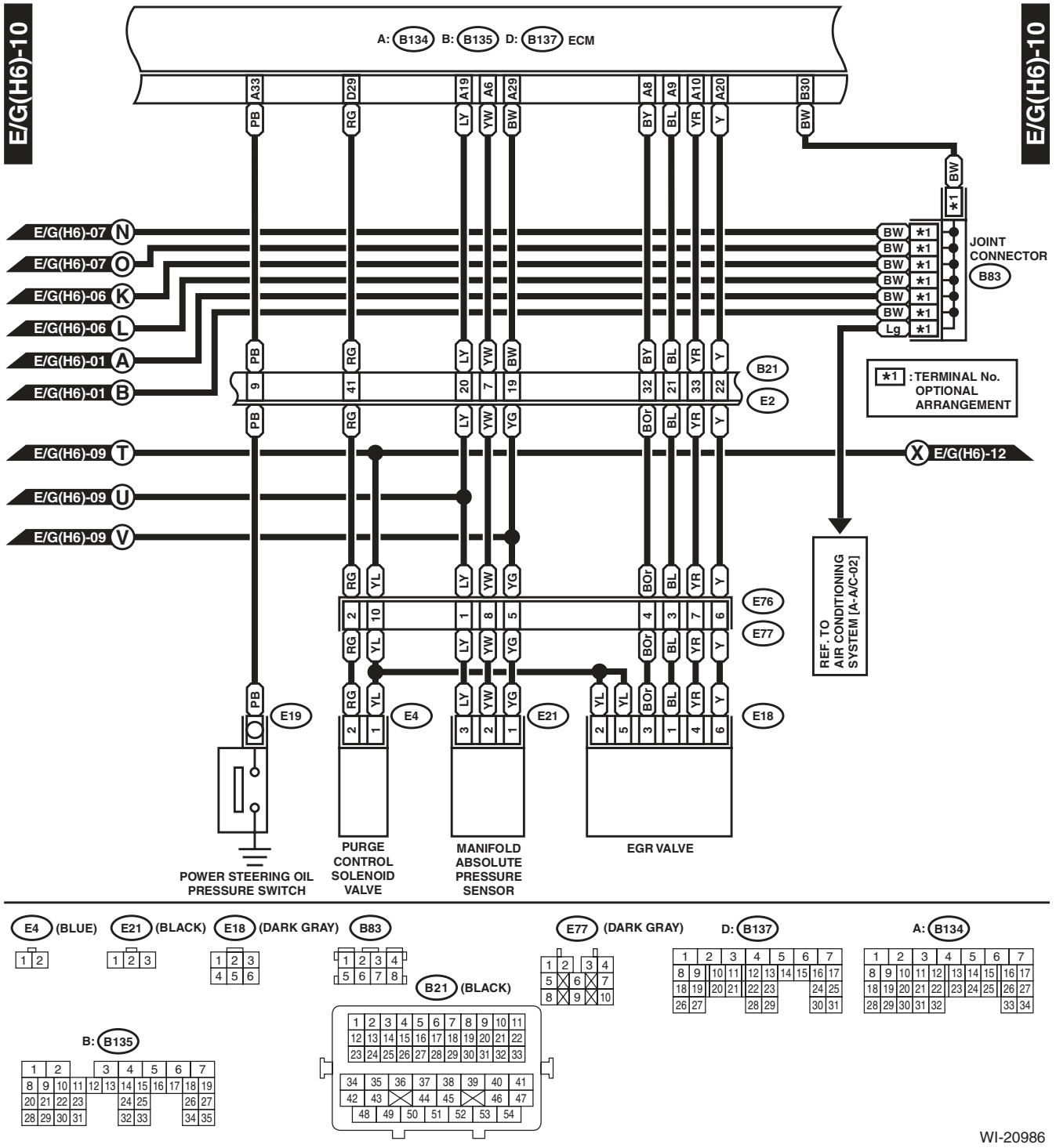


WI-15795


E/G(H6)-09
E/G(H6)-09
A: B134 D: B137 ECM
A21 A11 A28 A18 D4 D5 A22 A34
GW GOr YG YR WB GY B BrW
E/G(H6)-07 M
S E/G(H6)-14
B21 B20 B21
E2 E1 E2
T E/G(H6)-10
U E/G(H6)-10
E/G(H6)-08 R
V E/G(H6)-10
W E/G(H6)-14
E74 E73 E57 E8
CAMSHAFT POSITION SENSOR LH
CAMSHAFT POSITION SENSOR RH
ELECTRONIC THROTTLE CONTROL
ENGINE COOLANT TEMPERATURE SENSOR

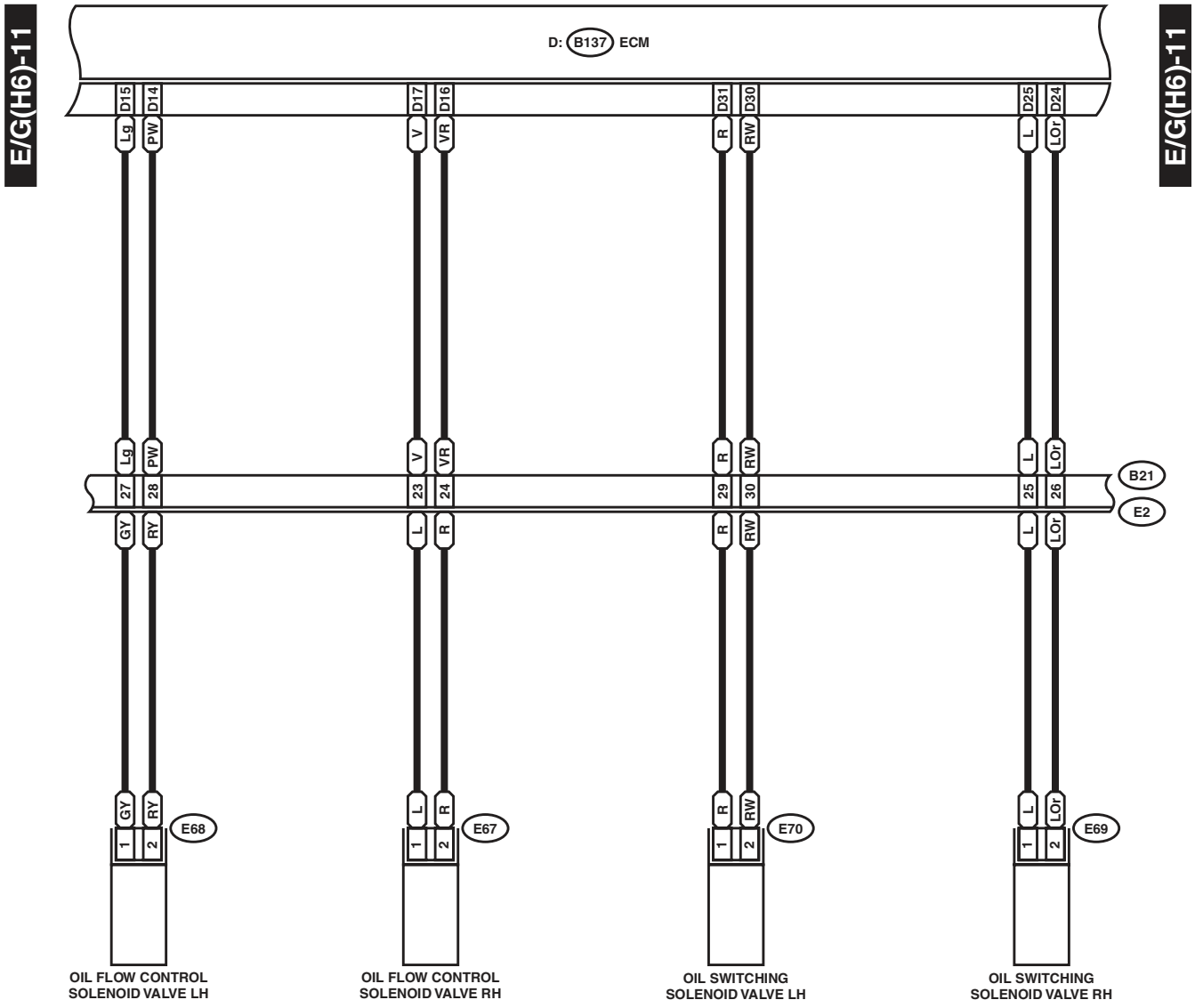

E8 (BLACK)
E73 (GRAY)
E74 (GRAY)
E57 (BLACK)
B20 (BROWN)
D: B137
A: B134
B21 (BLACK)

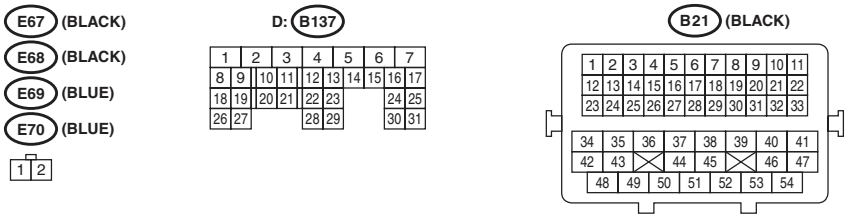
WI-20985


E/G(H6)-10
A: B134 B: B135 D: B137 ECM
E/G(H6)-07 N
E/G(H6)-07 O
E/G(H6)-06 K
E/G(H6)-06 L
E/G(H6)-01 A
E/G(H6)-01 B
E/G(H6)-09 T
E/G(H6)-09 U
E/G(H6)-09 V
E/G(H6)-12 X
JOINT CONNECTOR B83
B21
E2
E76
E77
E19
E4
E21
E18
*1 : TERMINAL No. OPTIONAL ARRANGEMENT
REF. TO AIR CONDITIONING SYSTEM [A-A/C-02]
POWER STEERING OIL PRESSURE SWITCH
PURGE CONTROL SOLENOID VALVE
MANIFOLD ABSOLUTE PRESSURE SENSOR
EGR VALVE

E4 (BLUE)
E21 (BLACK)
E18 (DARK GRAY)
B83
E77 (DARK GRAY)
D: B137
A: B134
B: B135
B21 (BLACK)

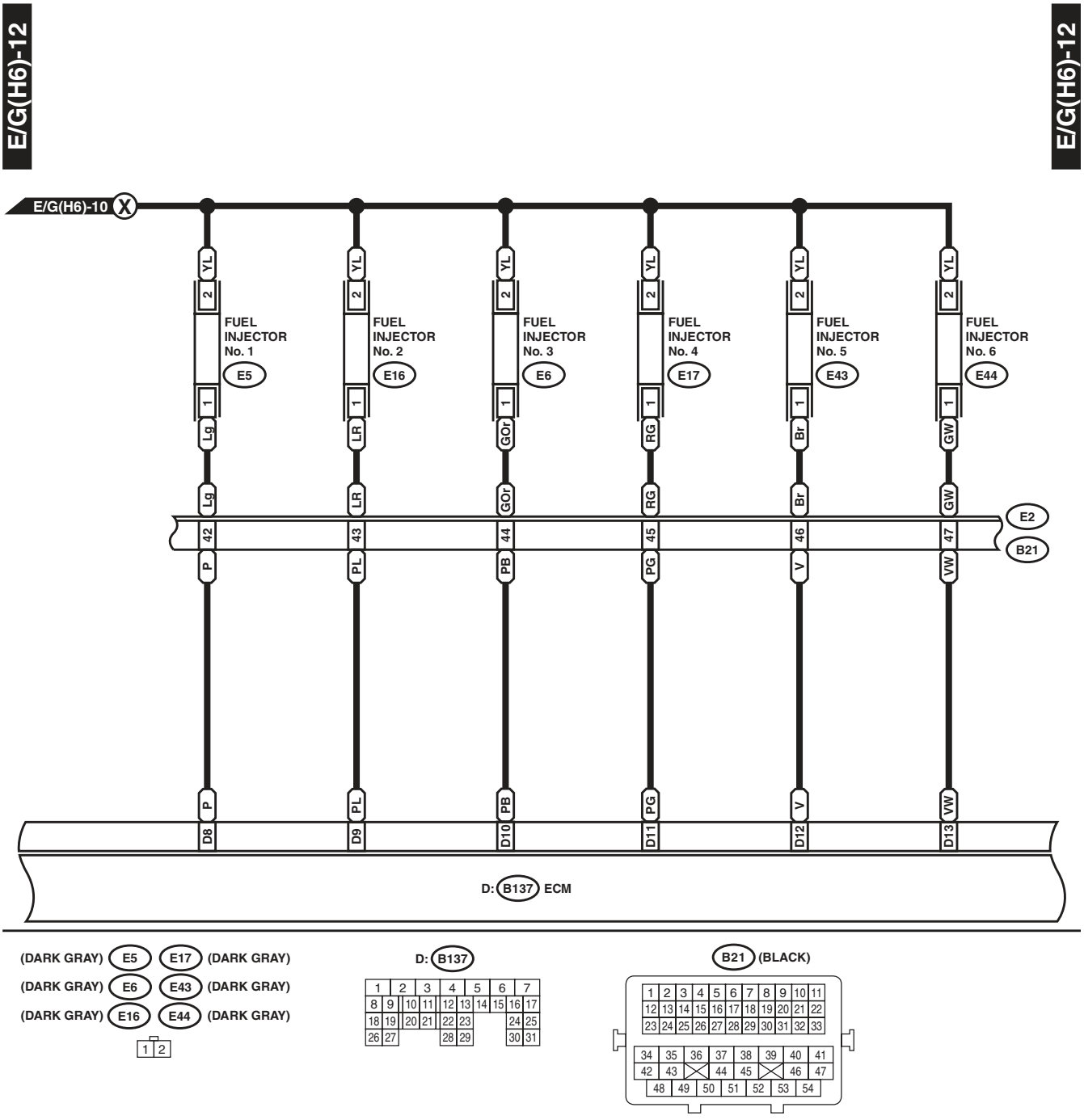
WI-20986


E/G(H6)-11
E/G(H6)-11
D: B137 ECM
D15 D14 D17 D16 D31 D30 D25 D24
Lg PW V VR R RW L LOr
27 28 23 24 29 30 25 26
B21
E2
GY RY L R R RW L LOr
E68 E67 E70 E69
OIL FLOW CONTROL SOLENOID VALVE LH
OIL FLOW CONTROL SOLENOID VALVE RH
OIL SWITCHING SOLENOID VALVE LH
OIL SWITCHING SOLENOID VALVE RH

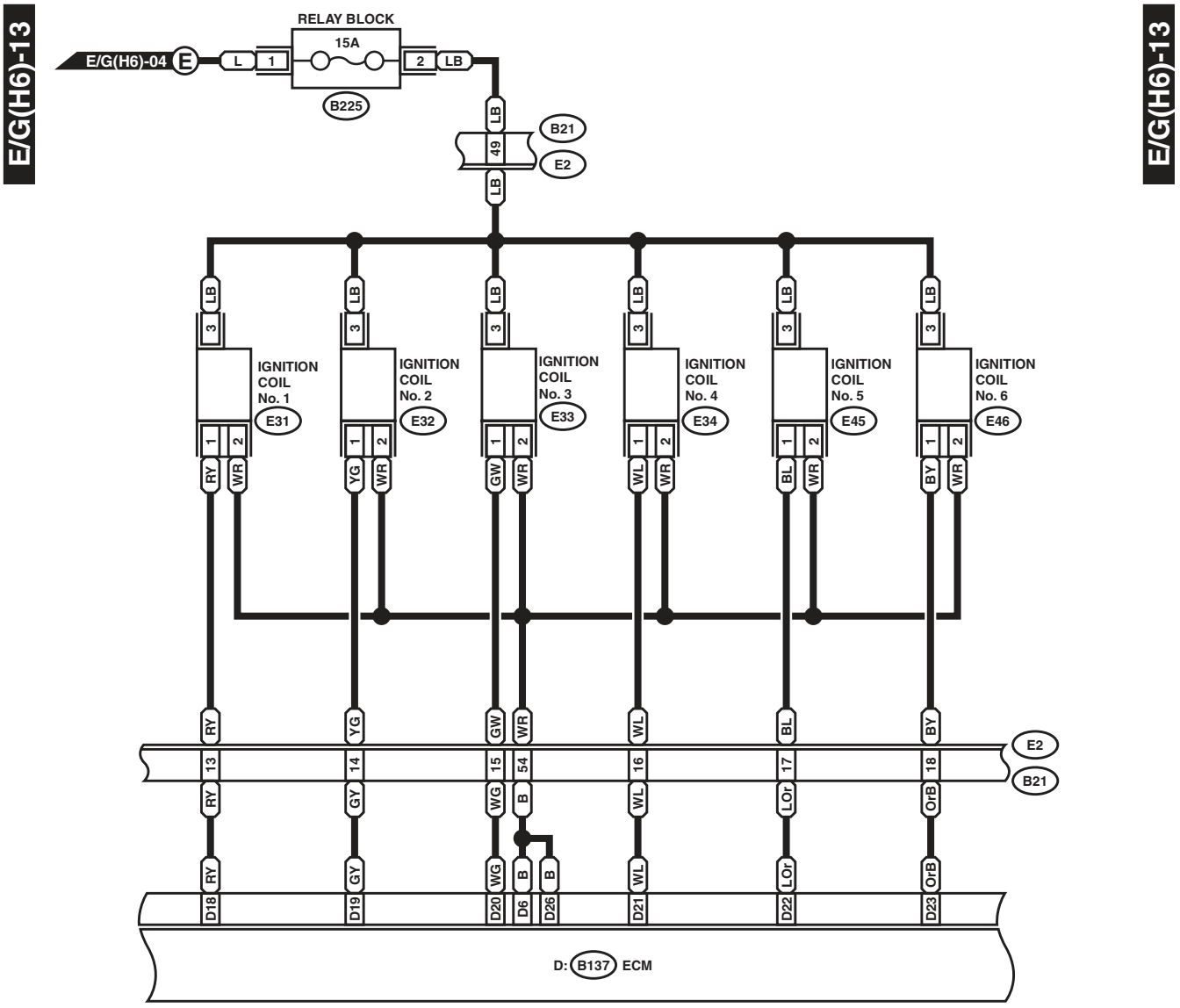

E67 (BLACK)
E68 (BLACK)
E69 (BLUE)
E70 (BLUE)
D: B137
B21 (BLACK)

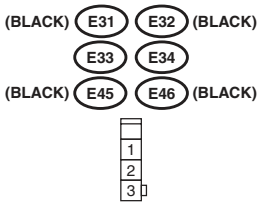
WI-20987

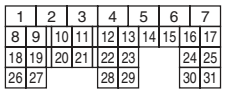
E/G(H6)-12

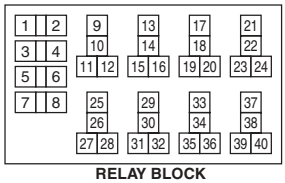


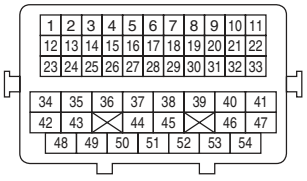
WI-20988


E/G(H6)-13
E/G(H6)-13
RELAY BLOCK
15A
E/G(H6)-04
E
L
1
2
LB
B225
LB
B21
49
E2
LB
IGNITION COIL No. 1
E31
IGNITION COIL No. 2
E32
IGNITION COIL No. 3
E33
IGNITION COIL No. 4
E34
IGNITION COIL No. 5
E45
IGNITION COIL No. 6
E46
RY
WR
YG
GW
WL
BL
BY
E2
B21
GY
WG
B
LOr
OrB
D18
D19
D20
D6
D26
D21
D22
D23
D: B137 ECM

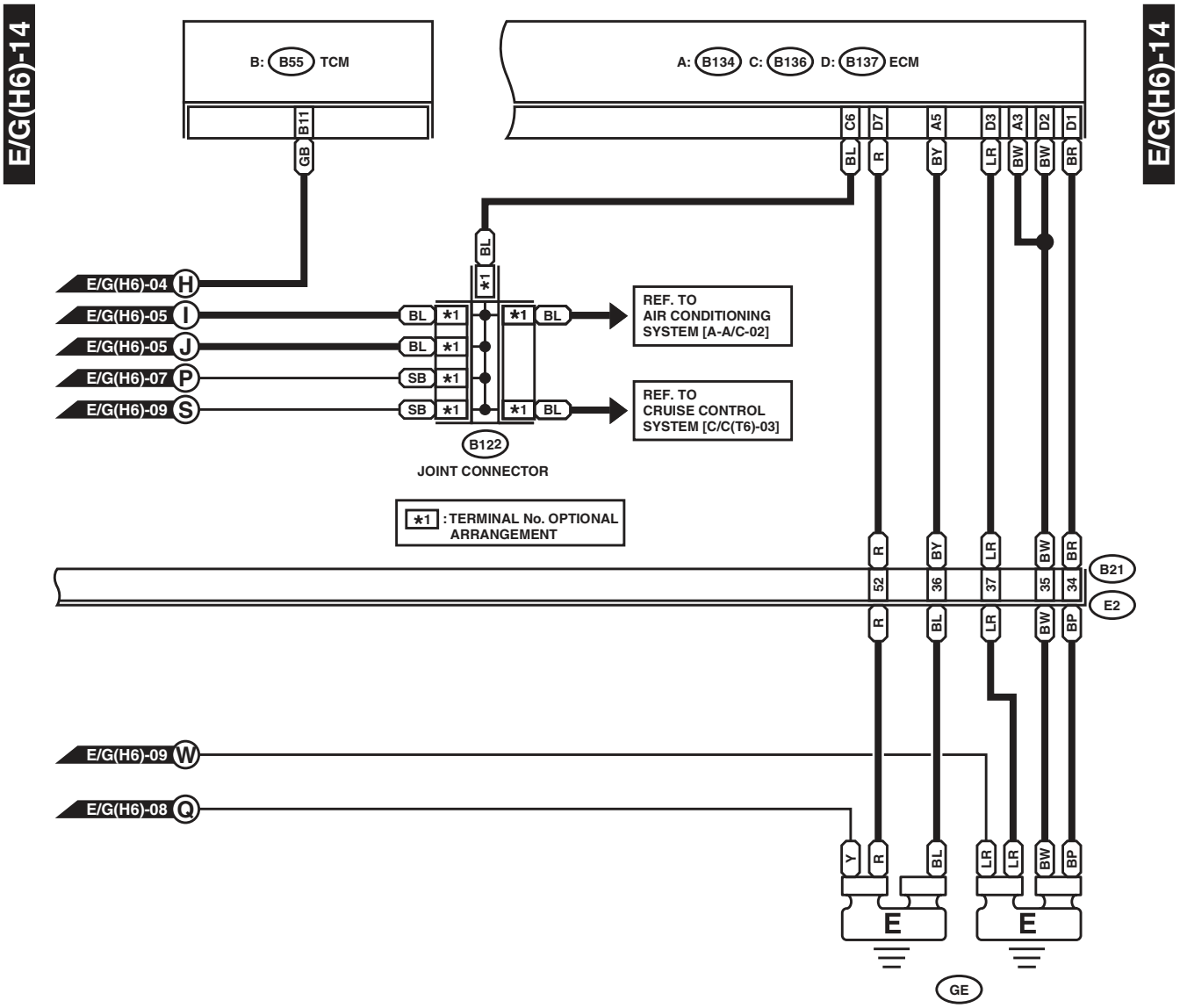

(BLACK) E31 E32 (BLACK)
E33 E34
(BLACK) E45 E46 (BLACK)
1
2
3

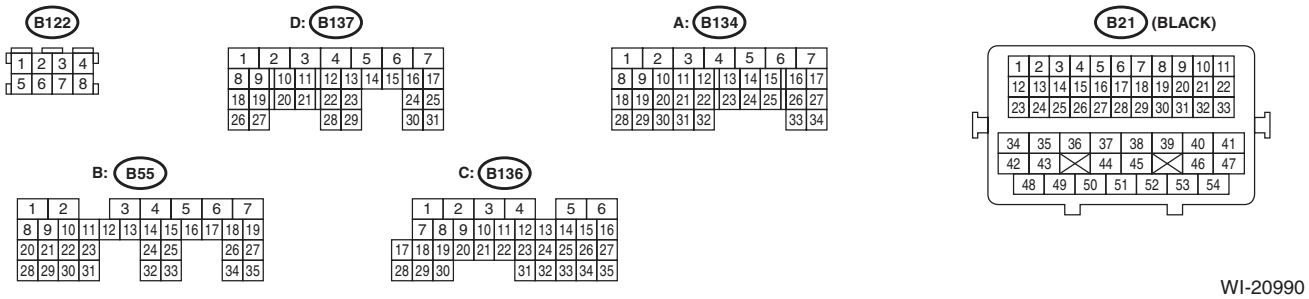

D: B137


B225 (BLACK)
RELAY BLOCK


B21 (BLACK)

WI-20989


E/G(H6)-14
E/G(H6)-14
B: B55 TCM
A: B134 C: B136 D: B137 ECM
B11
GB
C6 D7 A5 D3 A3 D2 D1
BL R BY LR BW BW BR
E/G(H6)-04 H
E/G(H6)-05 I
E/G(H6)-05 J
E/G(H6)-07 P
E/G(H6)-09 S
BL *1
SB *1
REF. TO AIR CONDITIONING SYSTEM [A-A/C-02]
REF. TO CRUISE CONTROL SYSTEM [C/C(T6)-03]
B122
JOINT CONNECTOR
*1 : TERMINAL No. OPTIONAL ARRANGEMENT
R BY LR BW BR
52 36 37 35 34
B21
E2
R BL LR BW BP
E/G(H6)-09 W
E/G(H6)-08 Q
Y R BL LR LR BW BP
E
E
GE

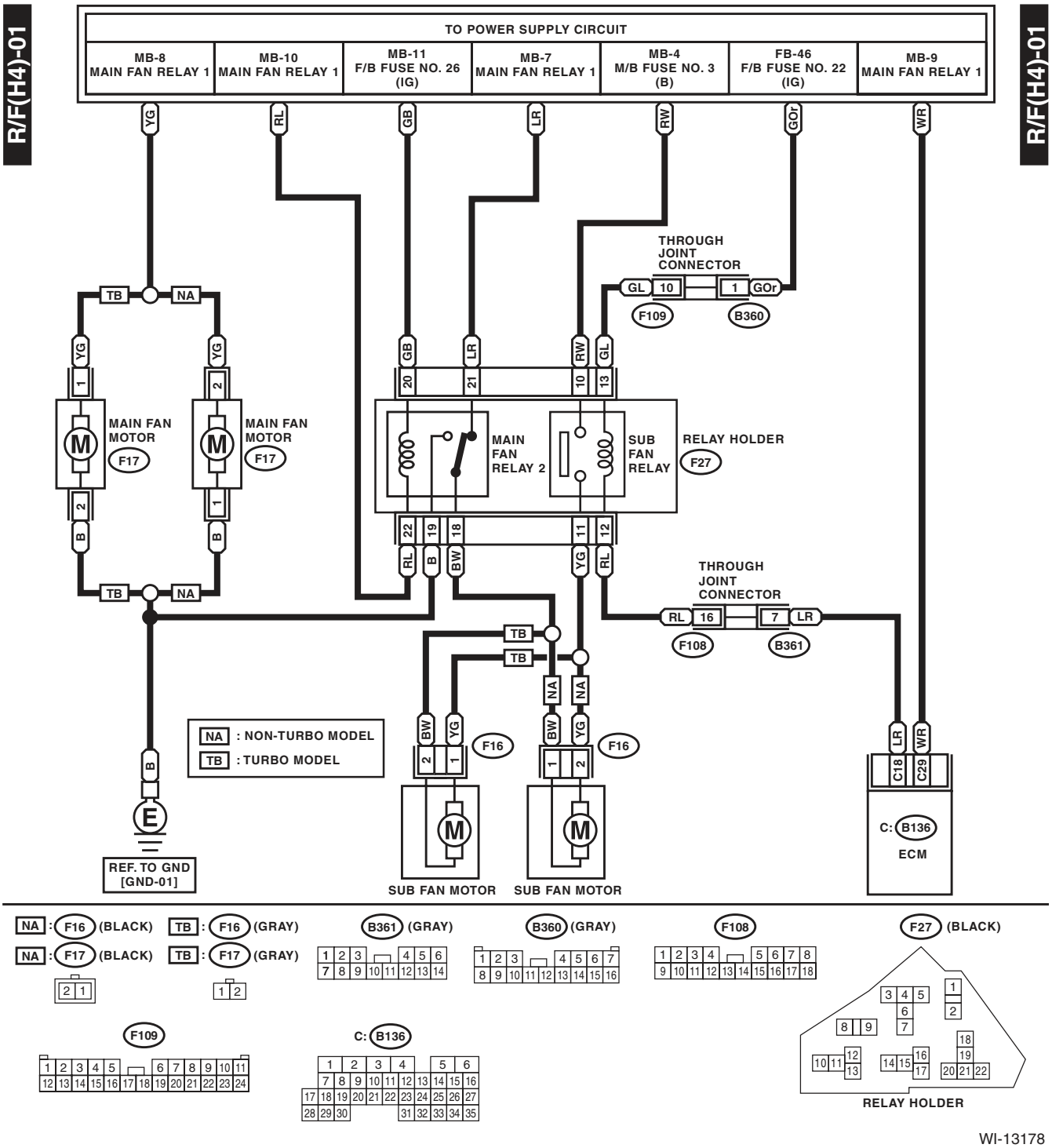

B122
D: B137
A: B134
B21 (BLACK)
B: B55
C: B136

WI-20990

6. Radiator Fan System

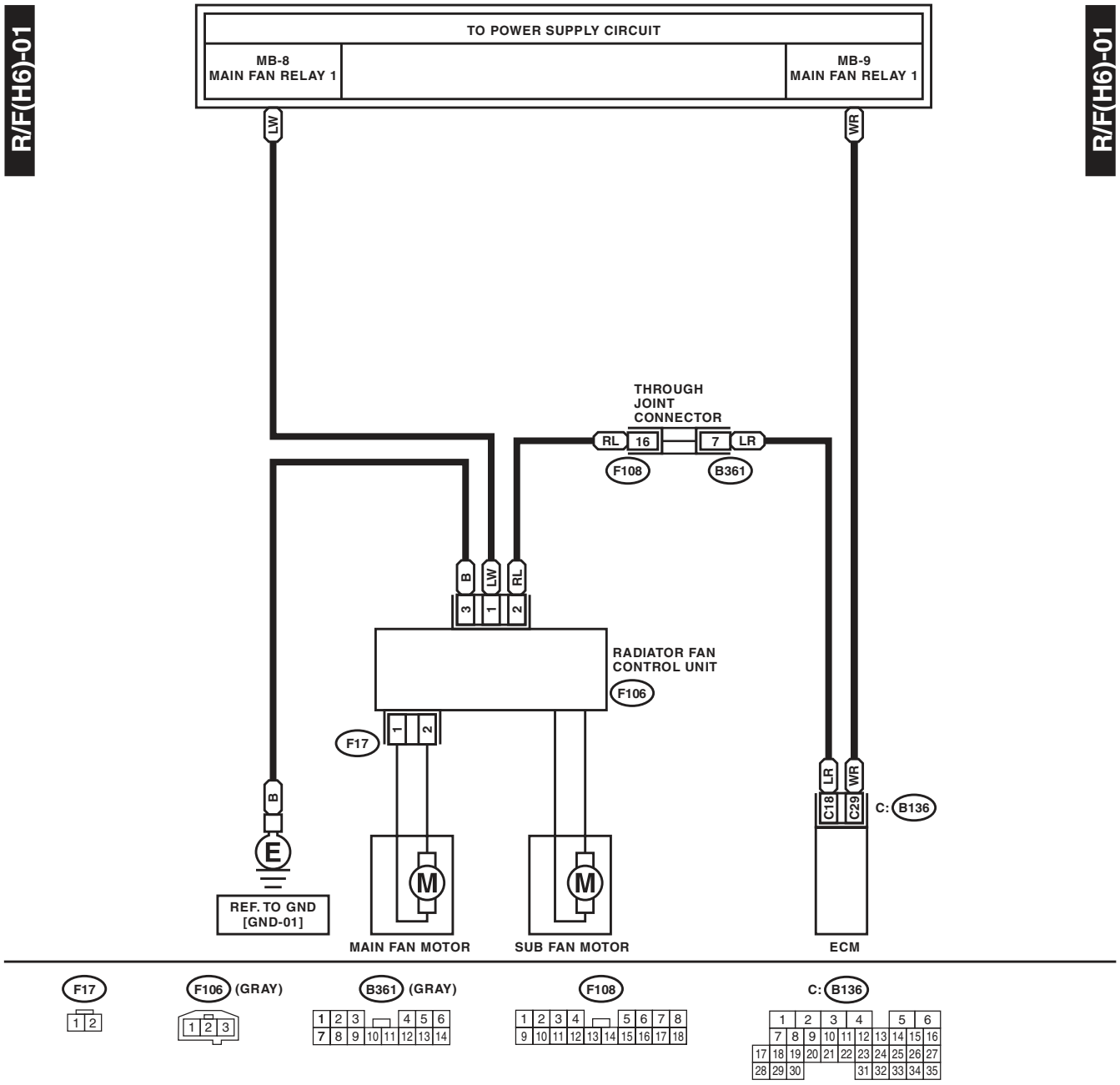
A: WIRING DIAGRAM

1. 2.5 L MODEL



WI-13178

2. 3.0 L MODEL

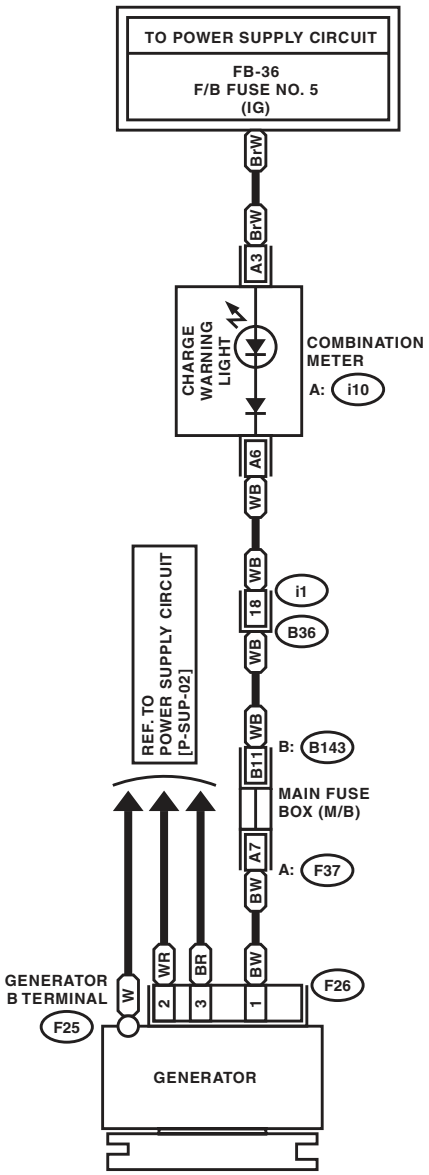


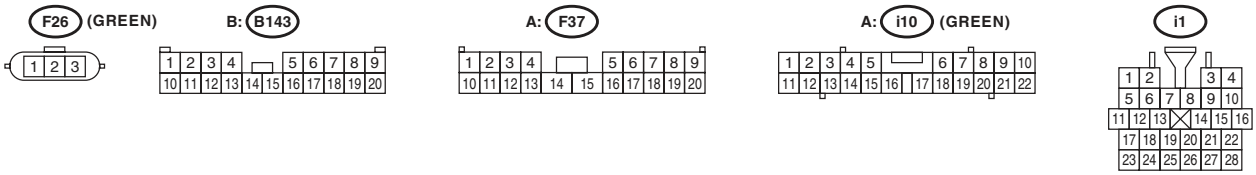
WI-15802

7. Charging System

A: WIRING DIAGRAM

CHG-01





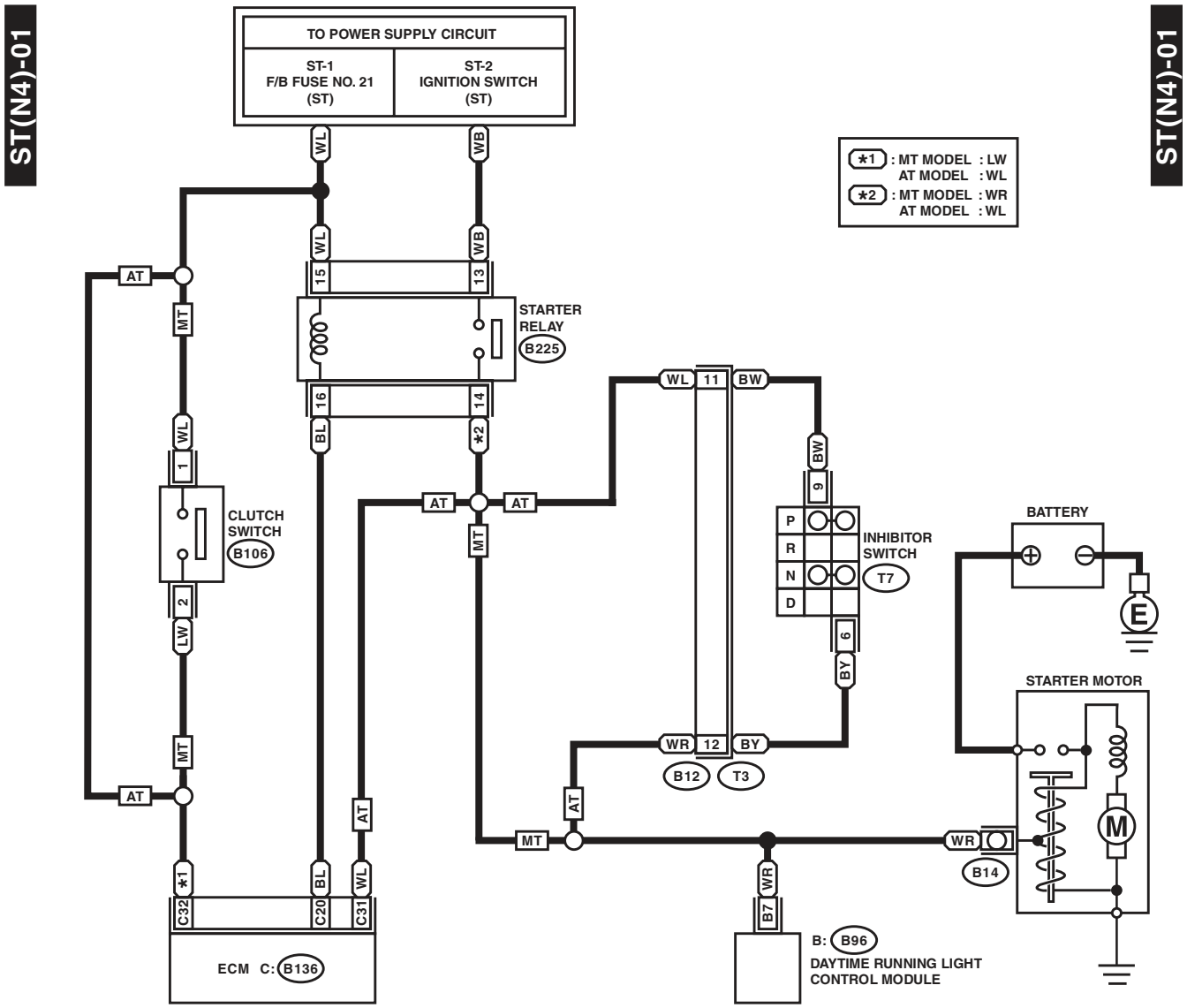
WI-15803

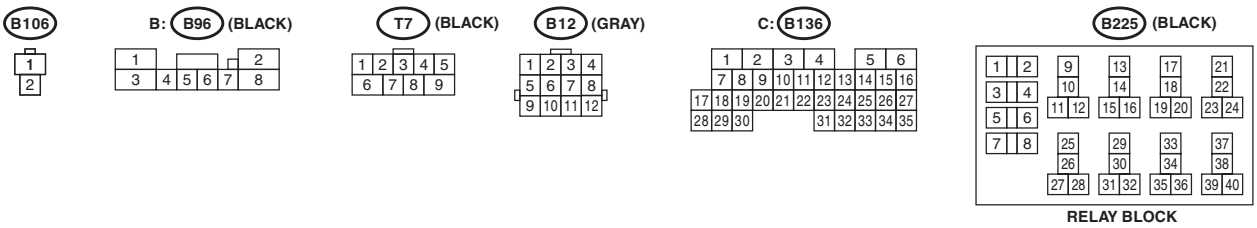
CHG-01

8. Starter System

A: WIRING DIAGRAM

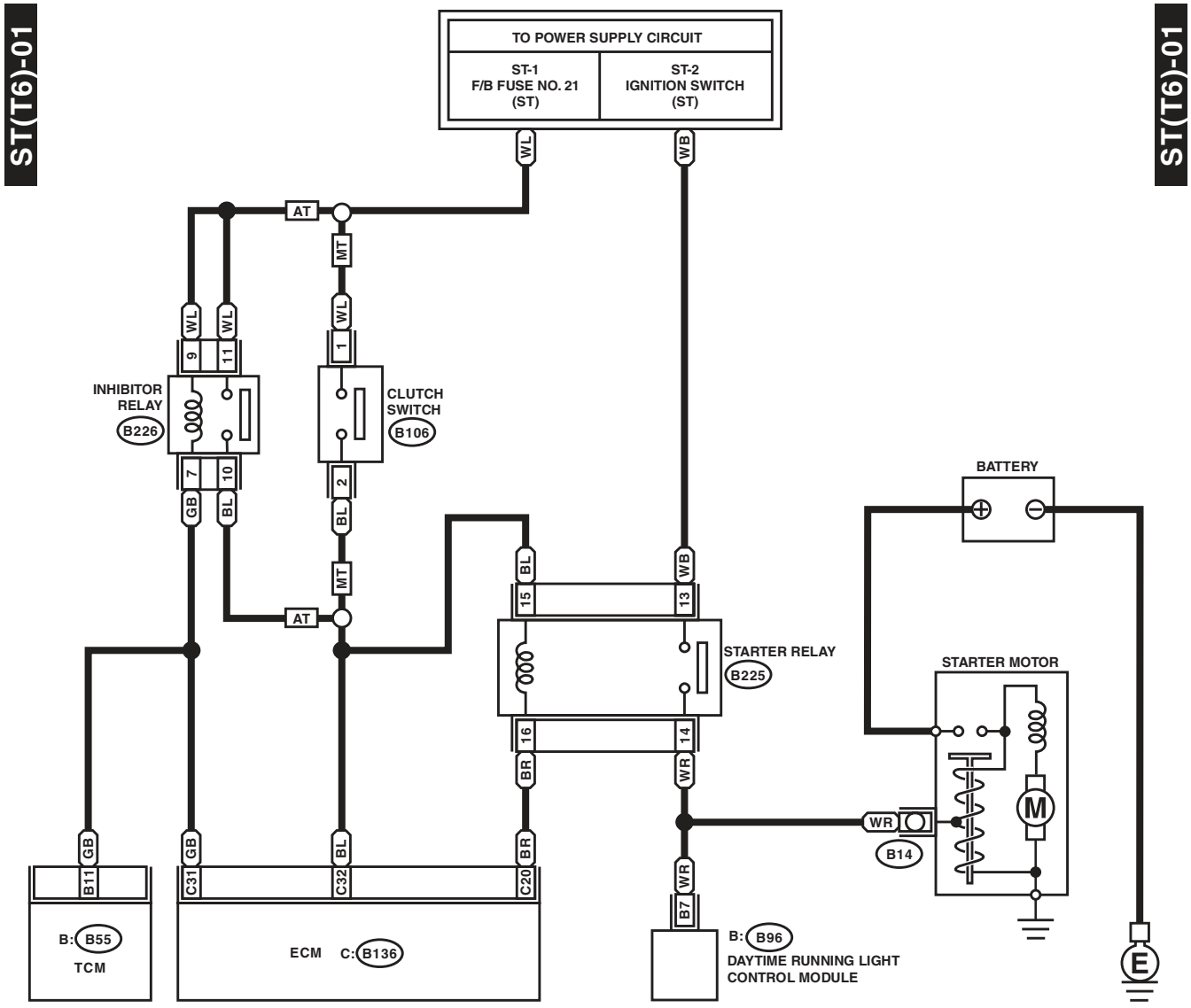
1. 2.5 L NON-TURBO MODEL

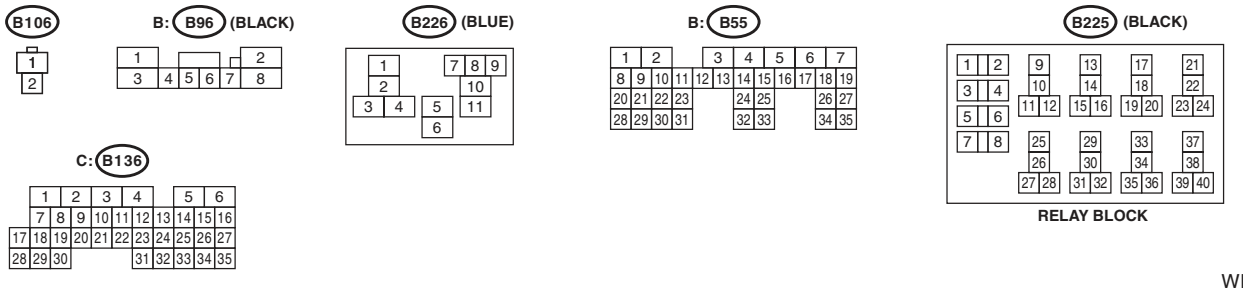




WI-20991

2. 2.5 L TURBO MODEL AND 3.0 L MODEL

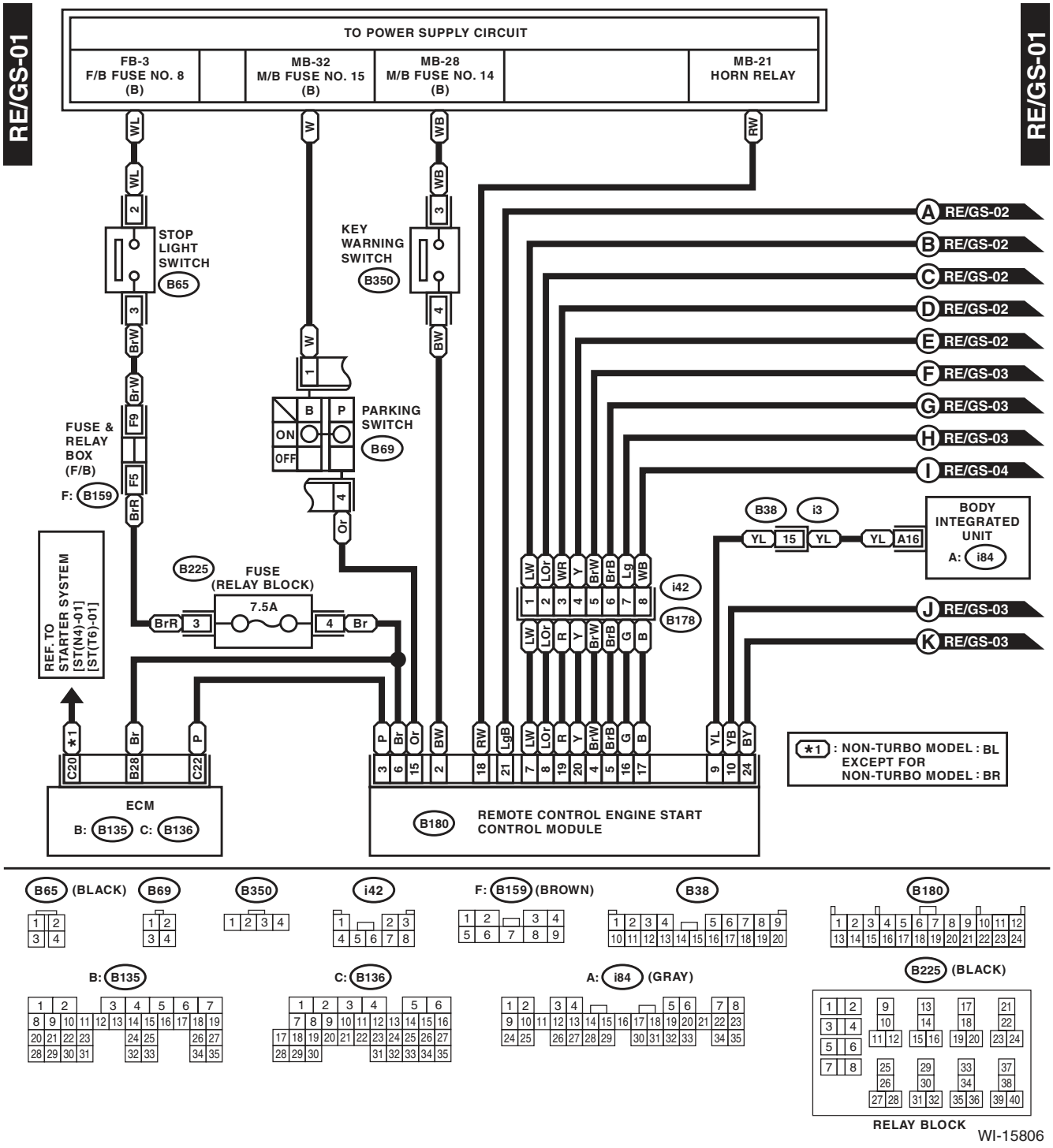




WI-20992

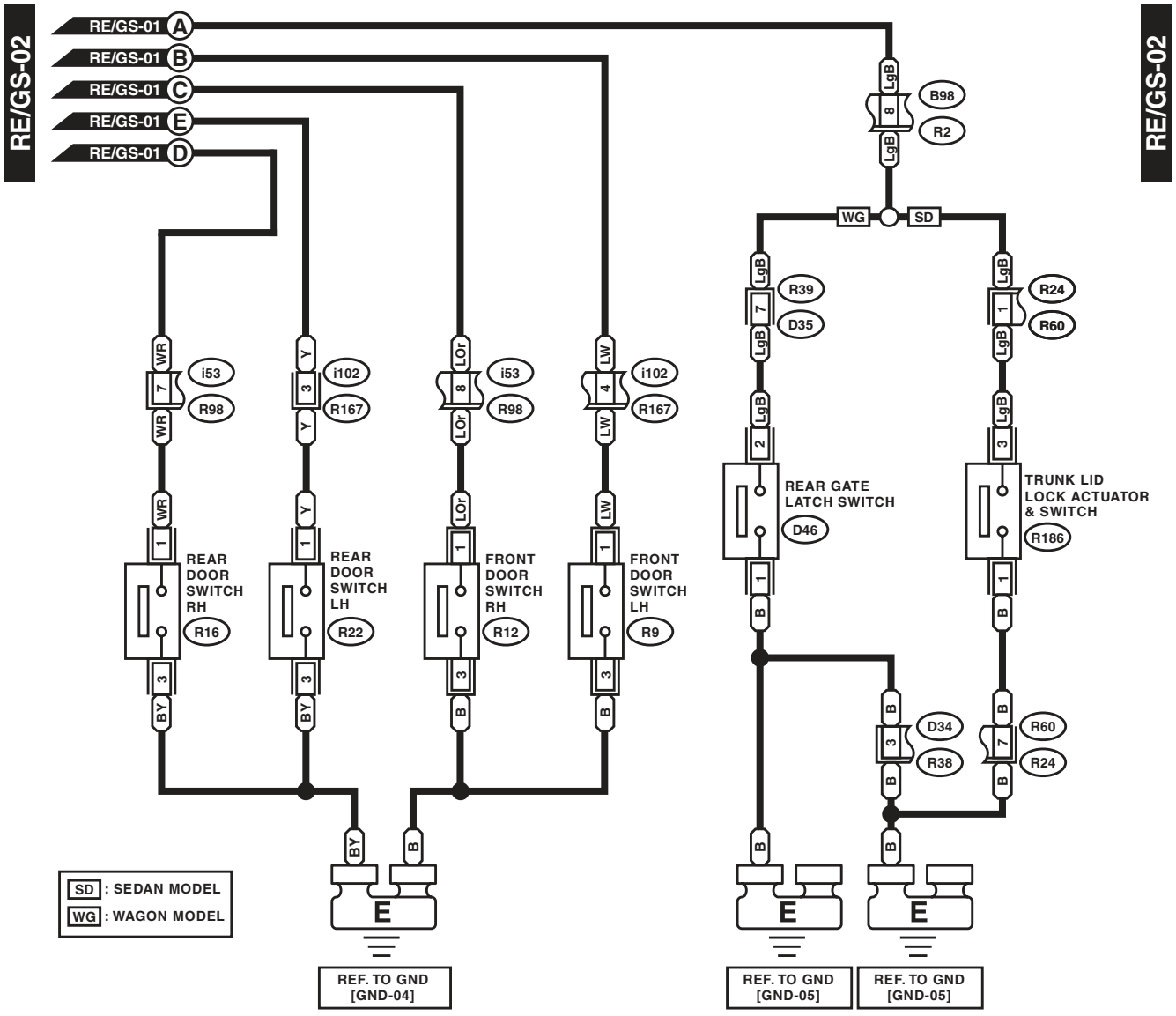
9. Remote Engine Start System

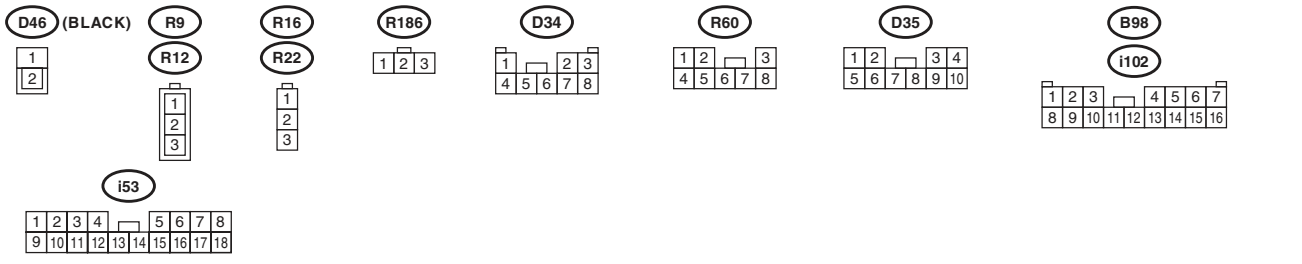
A: WIRING DIAGRAM



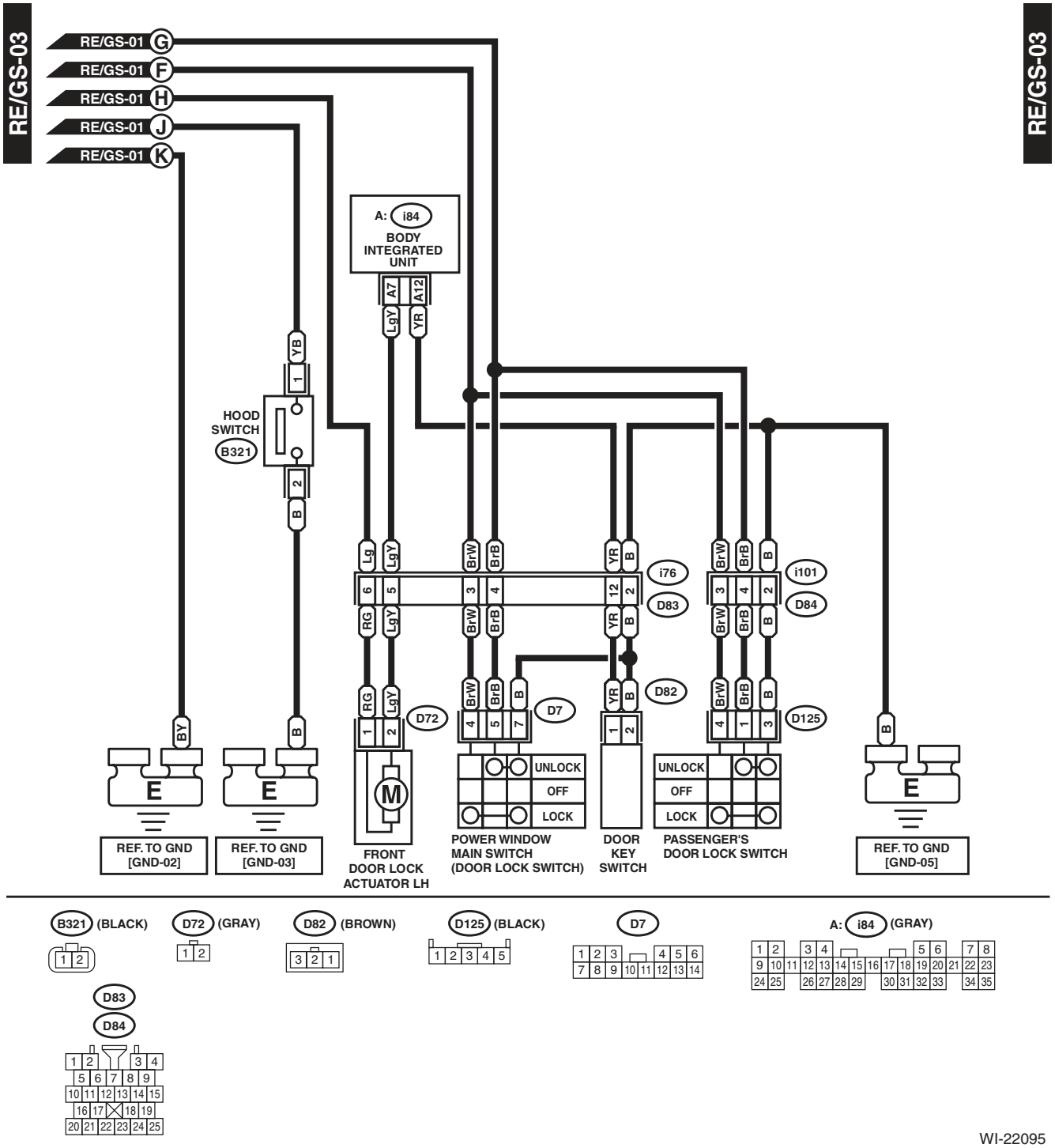
WI-15806

WIRING SYSTEM



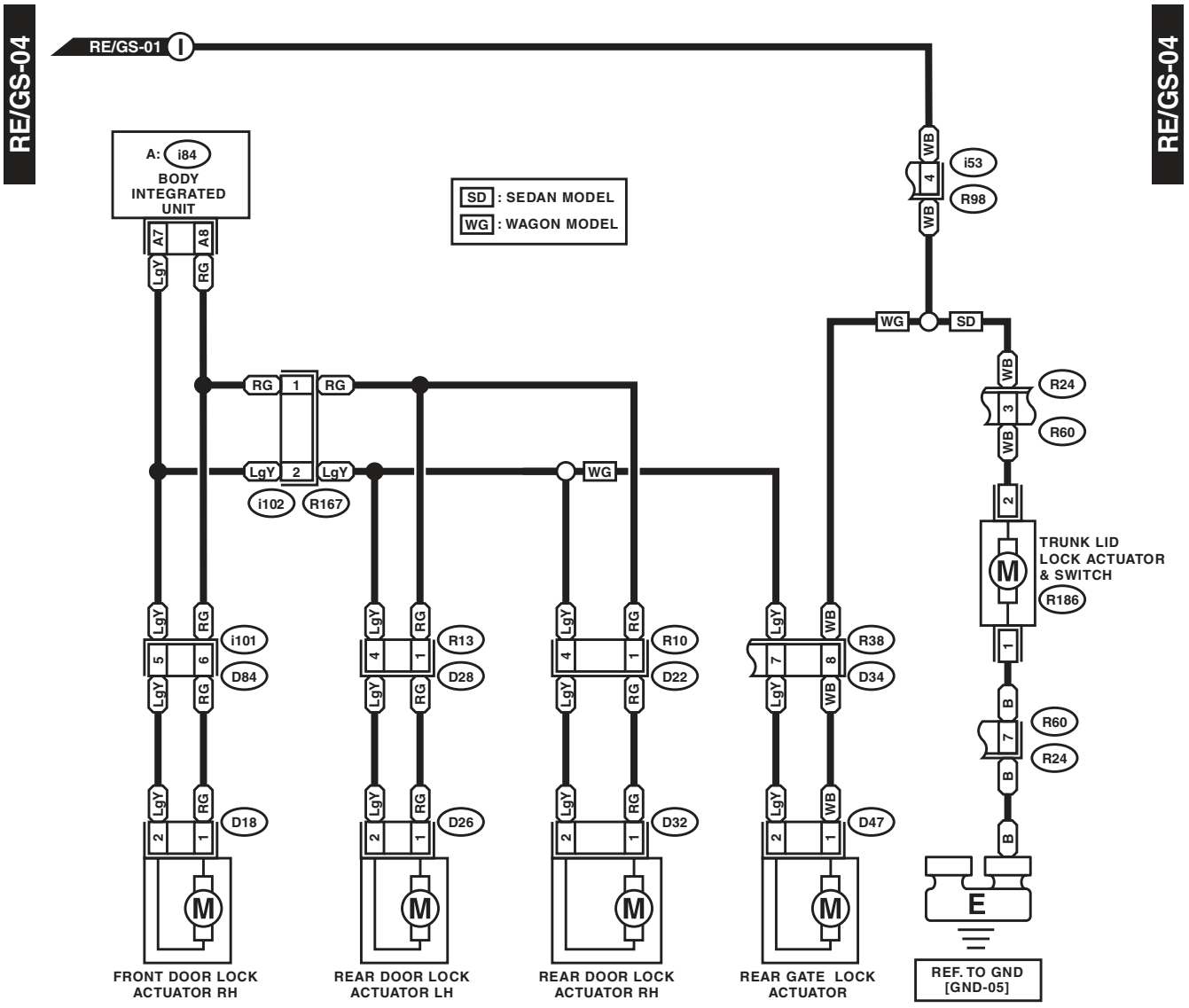


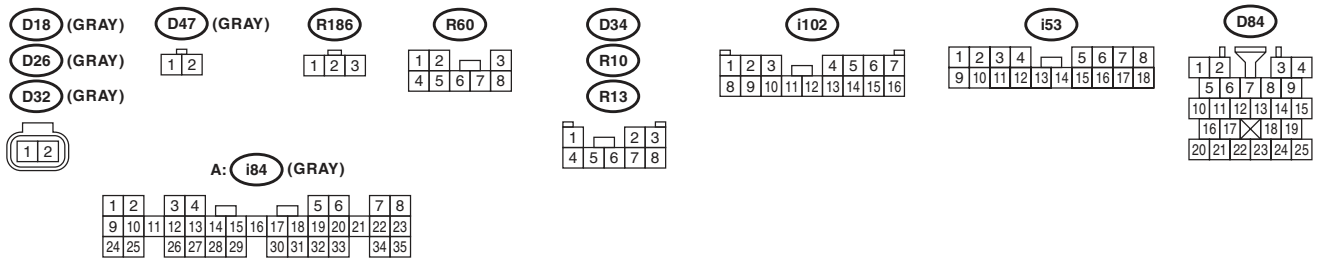
WI-15807


RE/GS-03
RE/GS-01 G
RE/GS-01 F
RE/GS-01 H
RE/GS-01 J
RE/GS-01 K
A: i84
BODY INTEGRATED UNIT
A7
A12
LgY
YR
HOOD SWITCH
B321
YB
B
BY
i76
D83
i101
D84
D82
D7
D72
D125
UNLOCK
OFF
LOCK
REF. TO GND [GND-02]
REF. TO GND [GND-03]
FRONT DOOR LOCK ACTUATOR LH
POWER WINDOW MAIN SWITCH (DOOR LOCK SWITCH)
DOOR KEY SWITCH
PASSENGER'S DOOR LOCK SWITCH
REF. TO GND [GND-05]

B321 (BLACK)
D72 (GRAY)
D82 (BROWN)
D125 (BLACK)
D7
A: i84 (GRAY)
D83
D84

WI-22095


RE/GS-04
RE/GS-01
A: i84
BODY INTEGRATED UNIT
SD : SEDAN MODEL
WG : WAGON MODEL
i53
R98
WG
SD
R24
R60
TRUNK LID LOCK ACTUATOR & SWITCH
R186
i101
D84
R13
D28
R10
D22
R38
D34
D18
D26
D32
D47
i102
R167
FRONT DOOR LOCK ACTUATOR RH
REAR DOOR LOCK ACTUATOR LH
REAR DOOR LOCK ACTUATOR RH
REAR GATE LOCK ACTUATOR
REF. TO GND [GND-05]

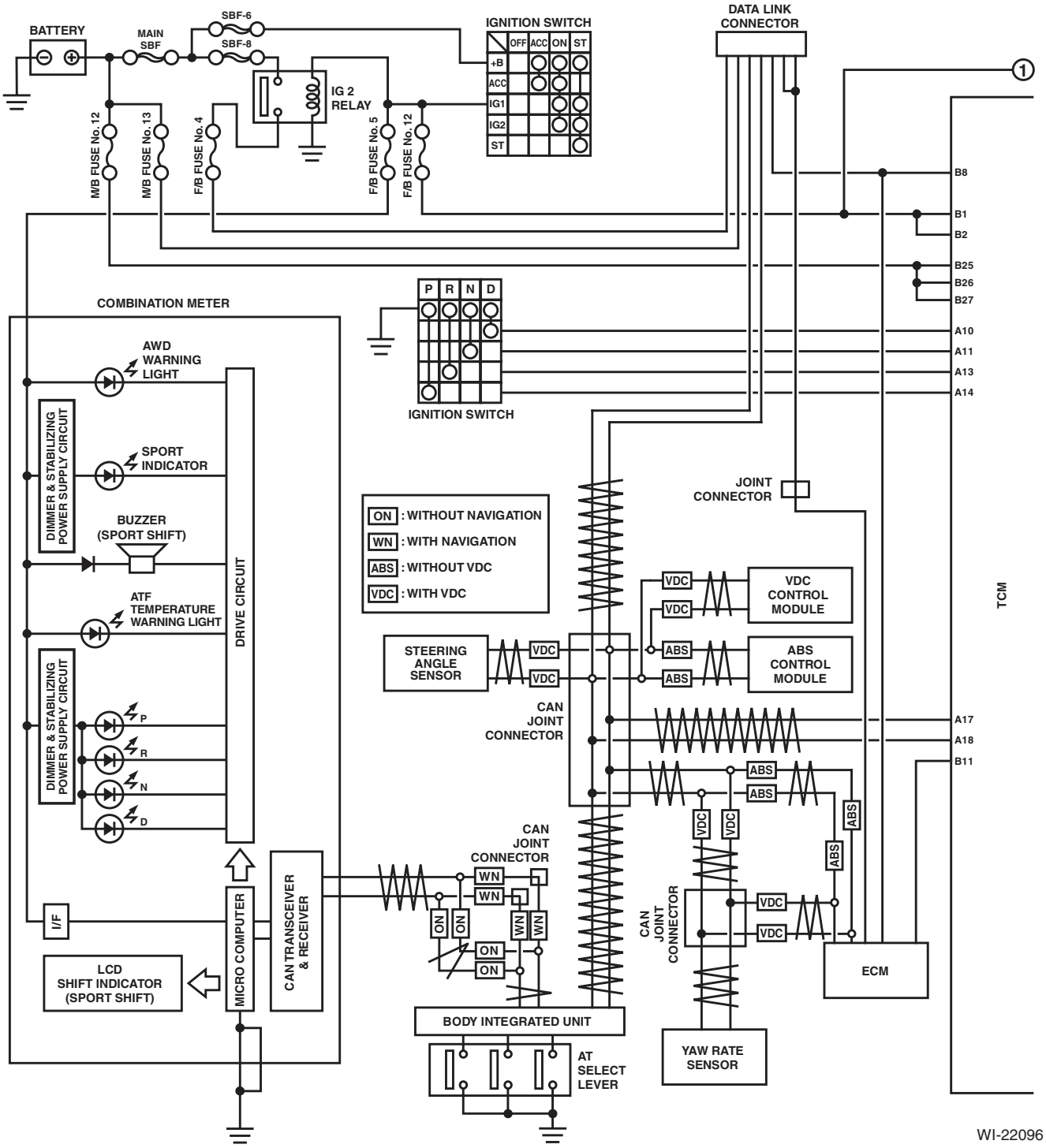

D18 (GRAY)
D26 (GRAY)
D32 (GRAY)
D47 (GRAY)
R186
R60
D34
R10
R13
i102
i53
D84
A: i84 (GRAY)

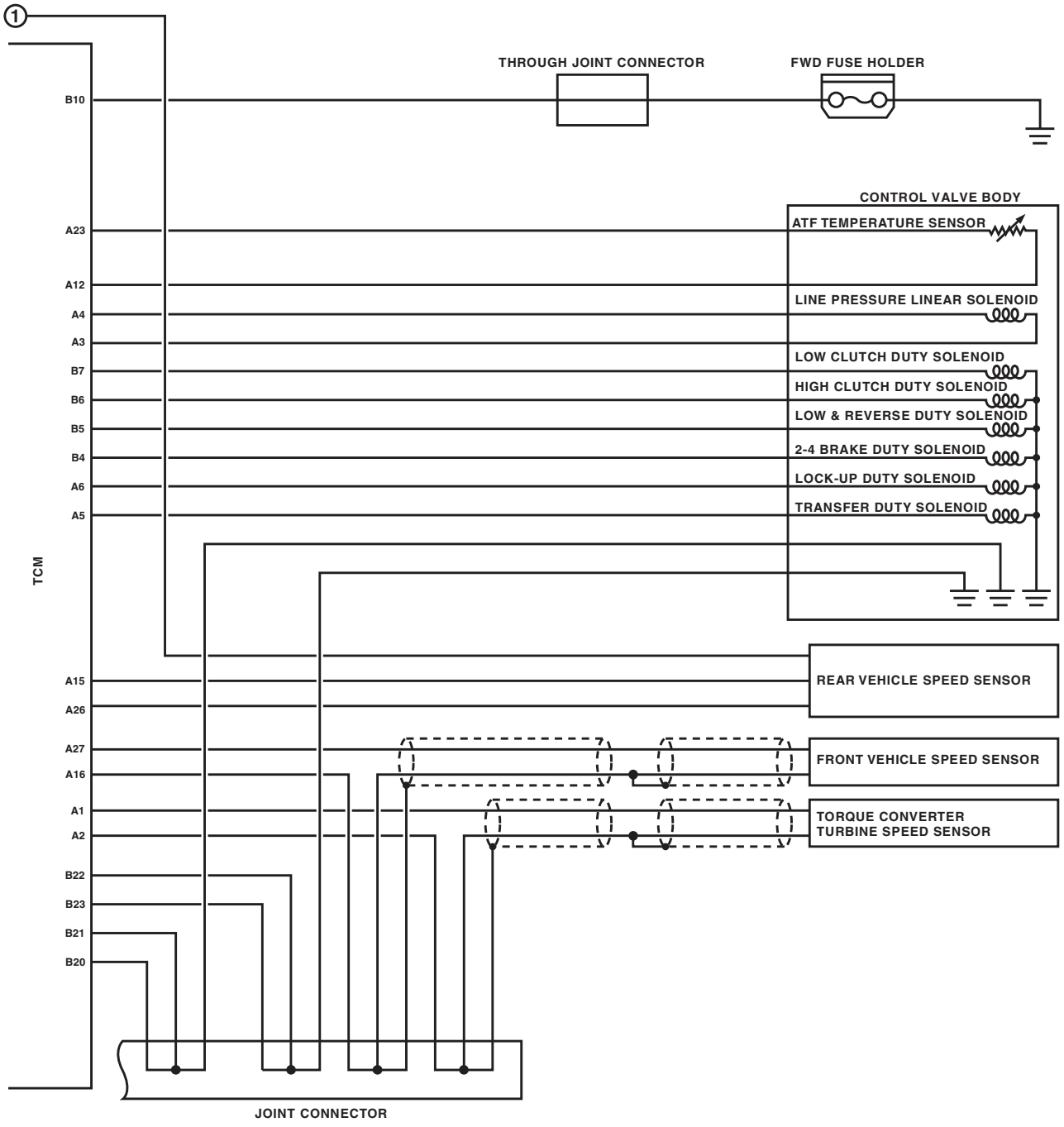
WI-15809

10.AT Control System

A: WIRING DIAGRAM

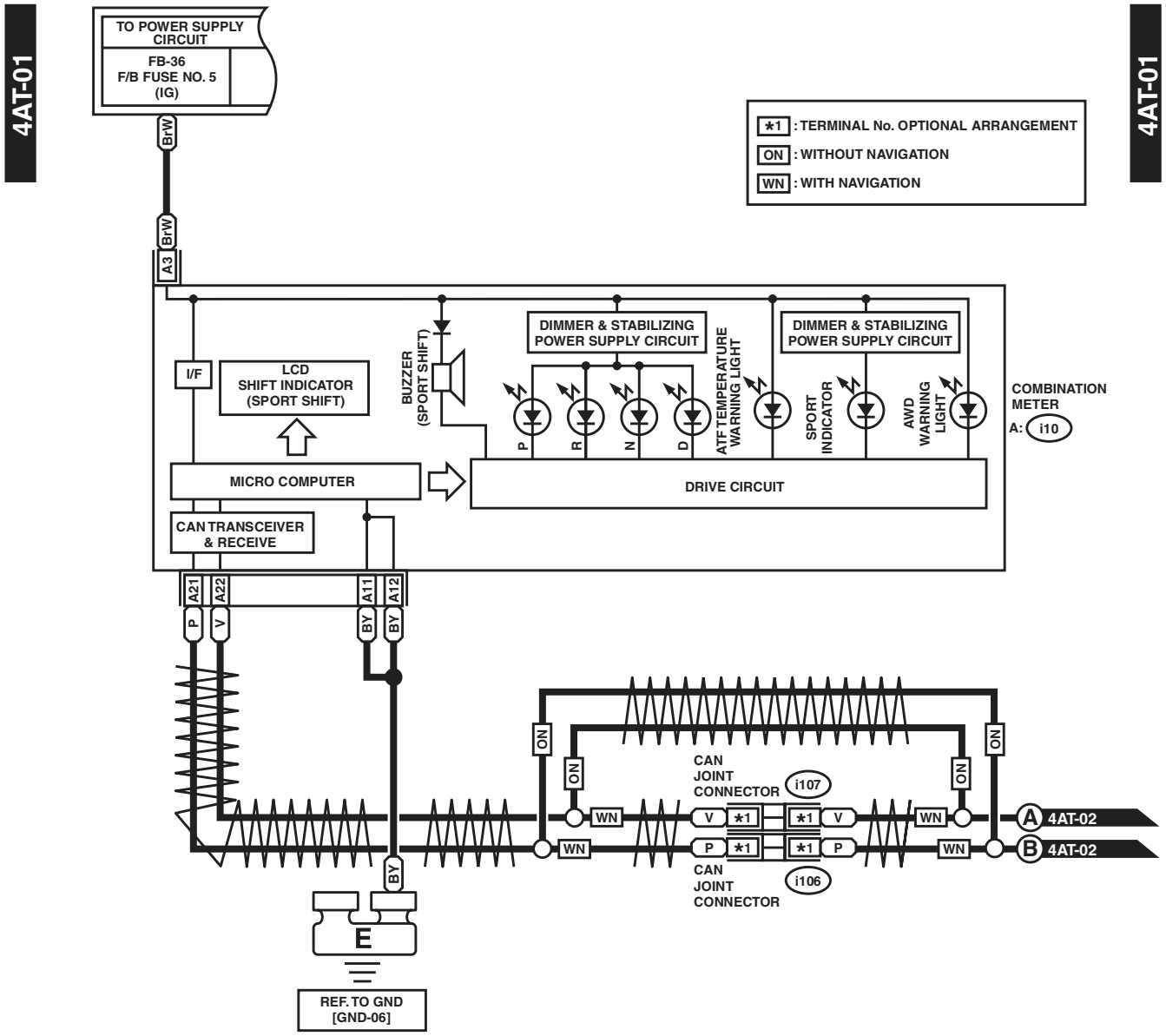
1. 4AT MODEL

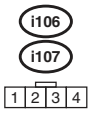


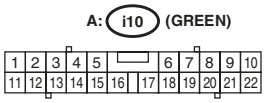

①
THROUGH JOINT CONNECTOR
FWD FUSE HOLDER
B10
CONTROL VALVE BODY
A23
ATF TEMPERATURE SENSOR
A12
LINE PRESSURE LINEAR SOLENOID
A4
A3
LOW CLUTCH DUTY SOLENOID
B7
HIGH CLUTCH DUTY SOLENOID
B6
LOW & REVERSE DUTY SOLENOID
B5
2-4 BRAKE DUTY SOLENOID
B4
LOCK-UP DUTY SOLENOID
A6
TRANSFER DUTY SOLENOID
A5
TCM
A15
REAR VEHICLE SPEED SENSOR
A26
A27
FRONT VEHICLE SPEED SENSOR
A16
A1
TORQUE CONVERTER
TURBINE SPEED SENSOR
A2
B22
B23
B21
B20
JOINT CONNECTOR

WI-15811

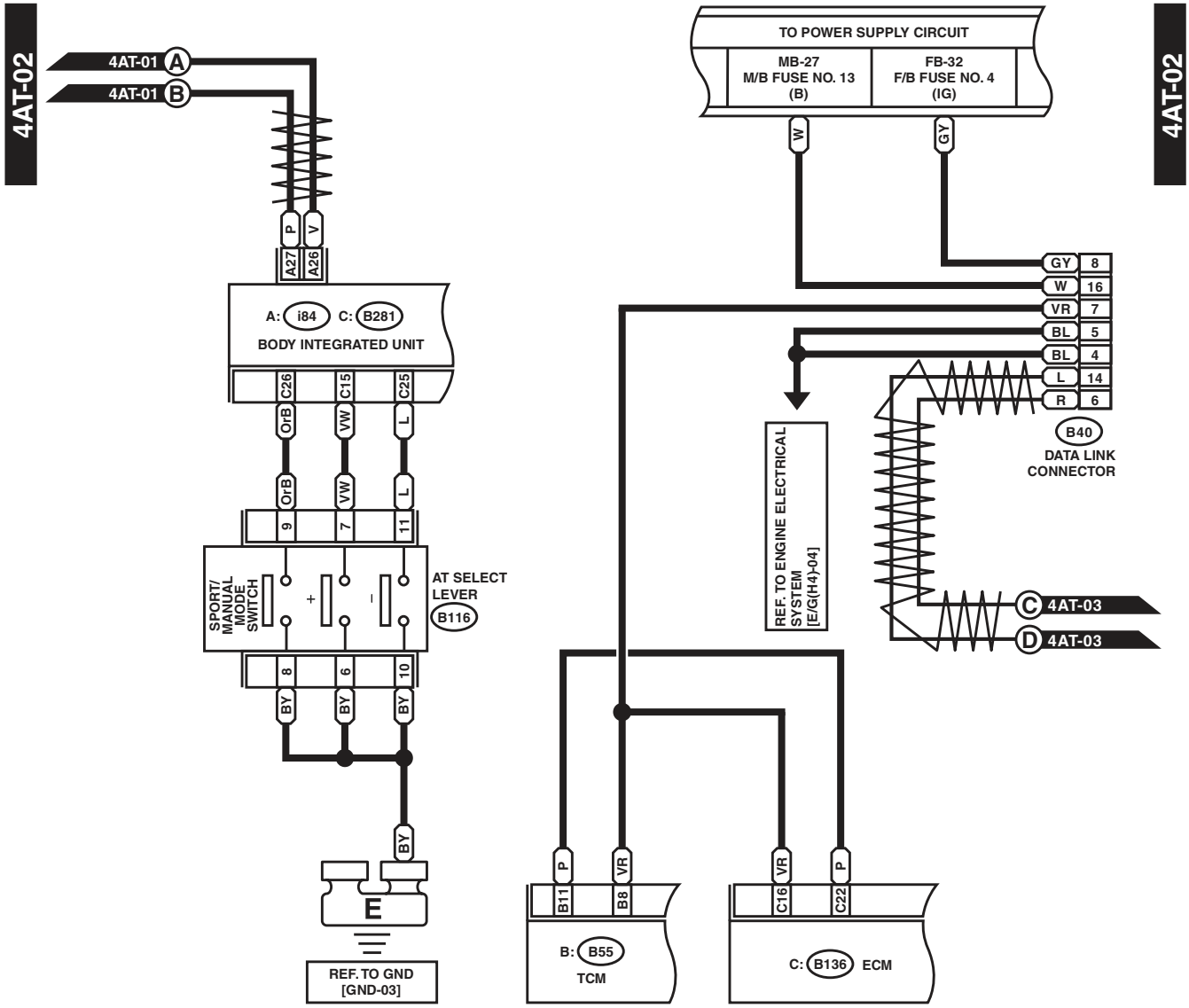
WIRING SYSTEM

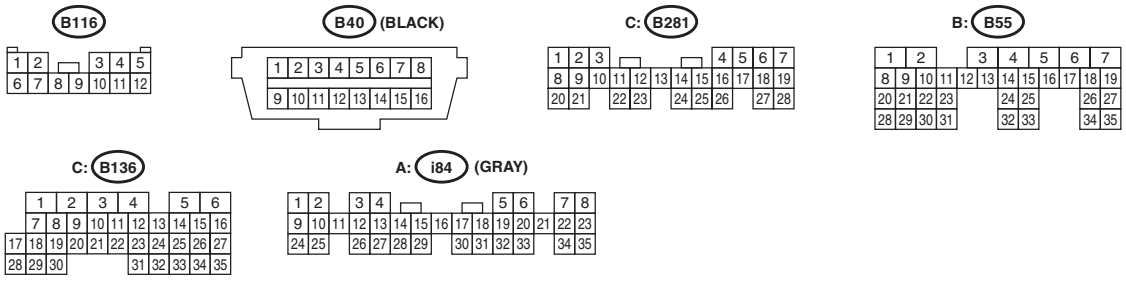






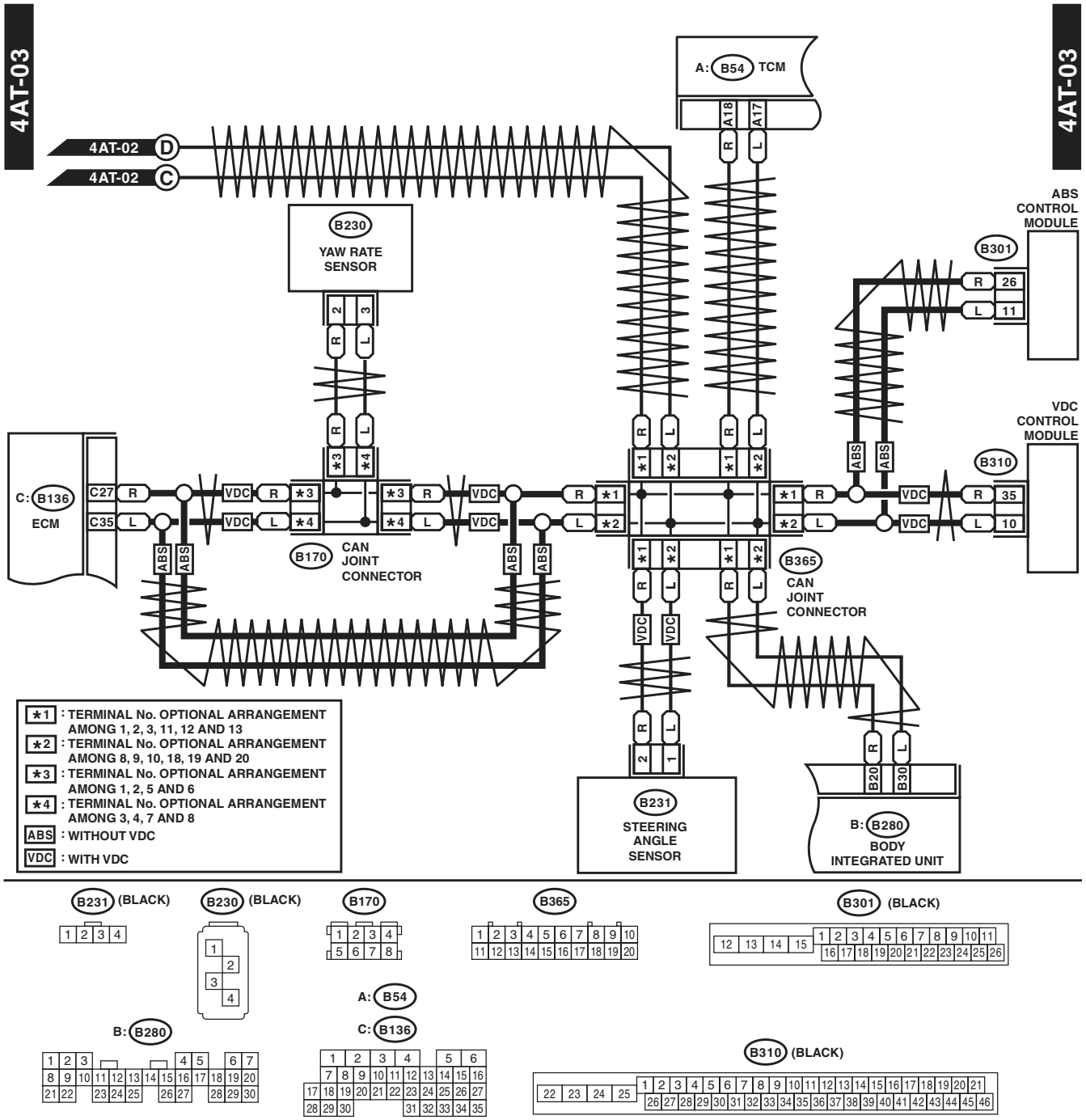
WI-22097


4AT-02
4AT-01 A
4AT-01 B
P
V
A27
A26
A: i84 C: B281
BODY INTEGRATED UNIT
C26
C15
C25
OrB
VW
L
9
7
11
SPORT/ MANUAL MODE SWITCH
AT SELECT LEVER
B116
8
6
10
BY
E
REF. TO GND [GND-03]
TO POWER SUPPLY CIRCUIT
MB-27 M/B FUSE NO. 13 (B)
FB-32 F/B FUSE NO. 4 (IG)
W
GY
GY 8
W 16
VR 7
BL 5
BL 4
L 14
R 6
B40
DATA LINK CONNECTOR
REF. TO ENGINE ELECTRICAL SYSTEM [E/G(H4)-04]
C 4AT-03
D 4AT-03
B11
B8
C16
C22
B: B55
TCM
C: B136 ECM
4AT-02


B116
B40 (BLACK)
C: B281
B: B55
C: B136
A: i84 (GRAY)

WI-22098

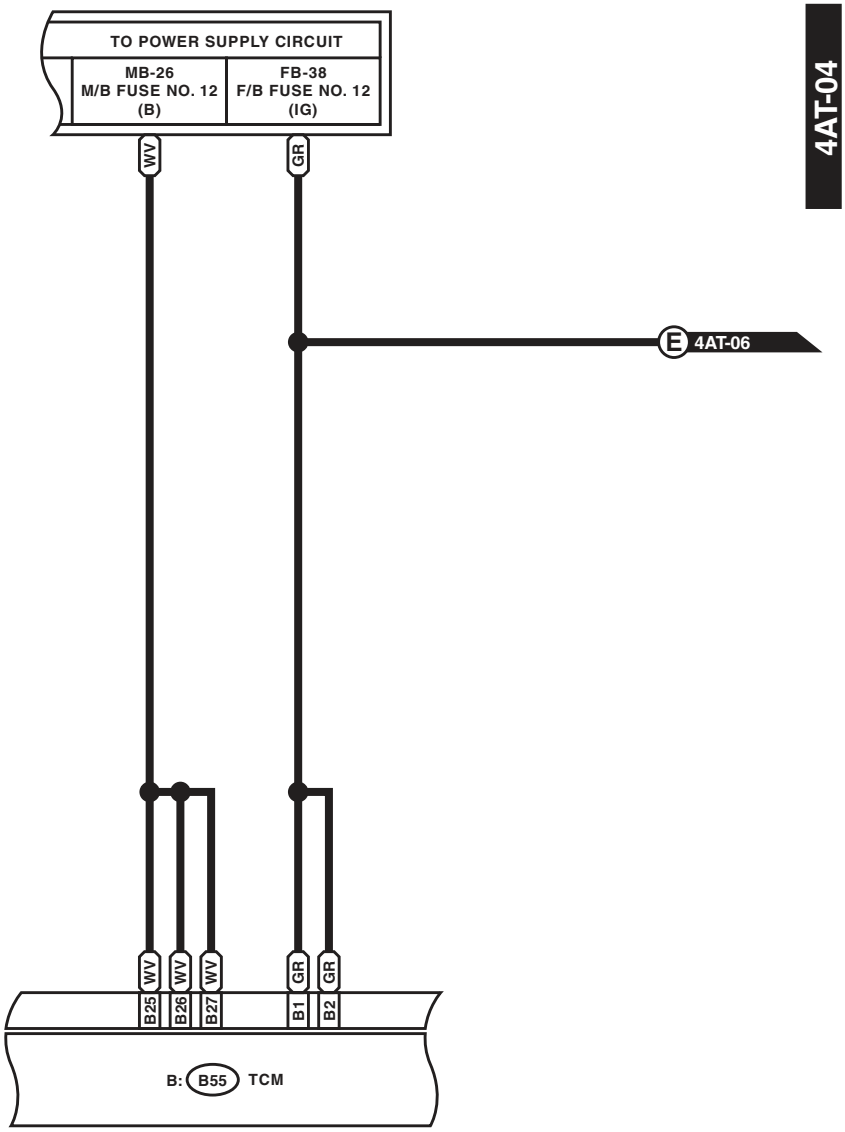
WIRING SYSTEM



WI-22099

4AT-04

4AT-04

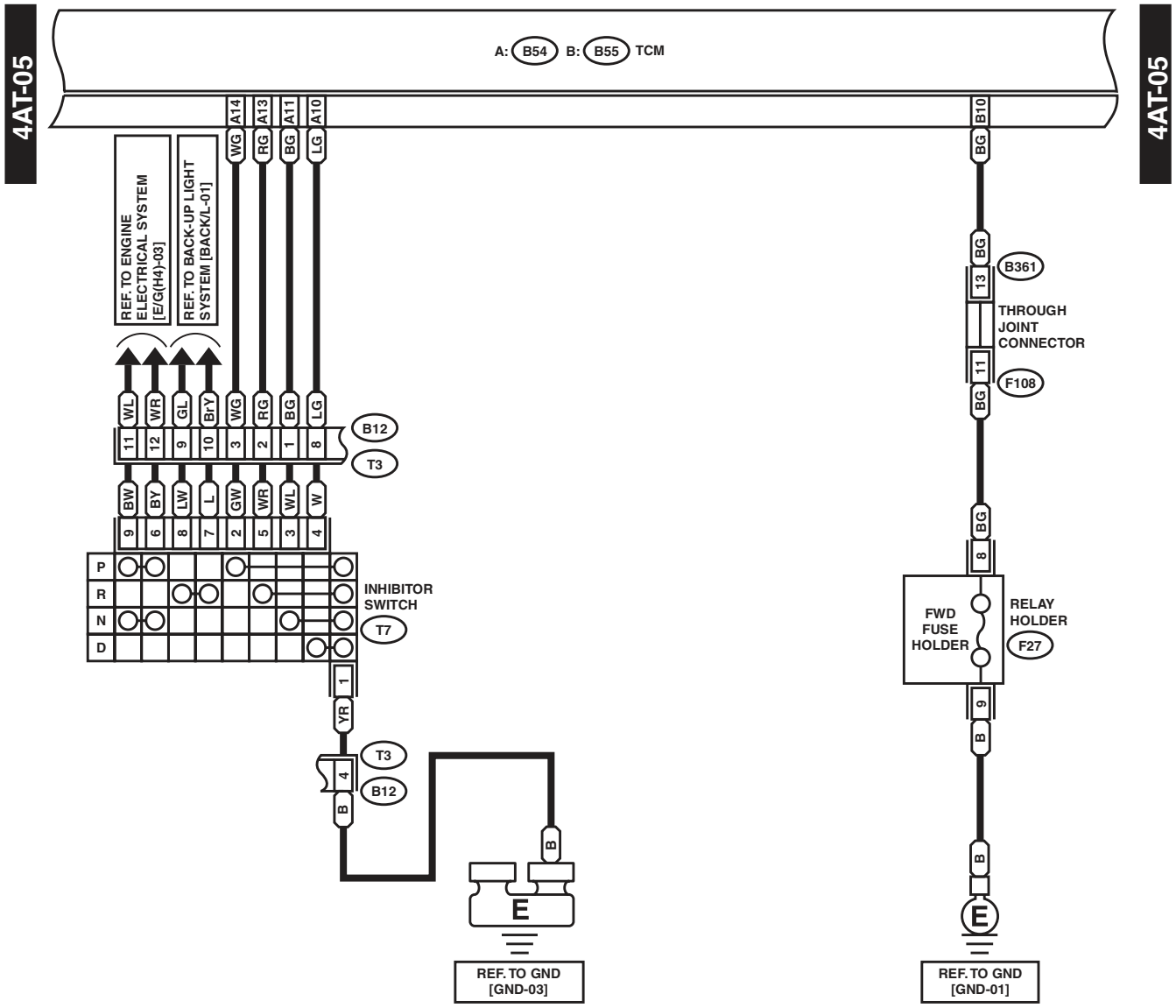


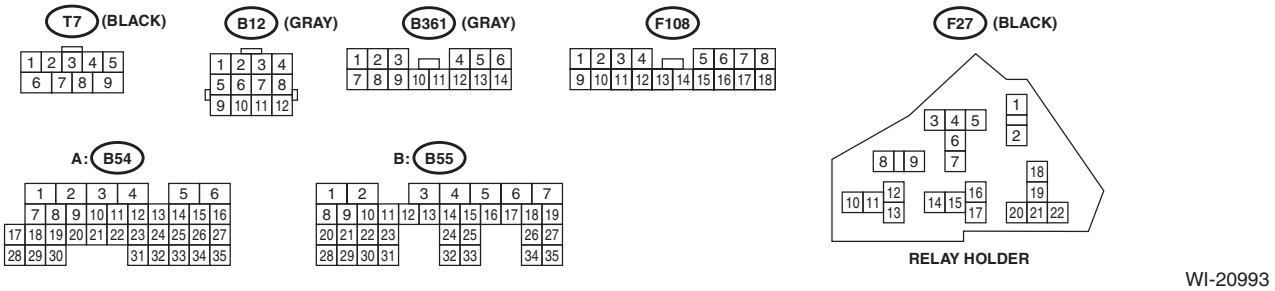
B: B55

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

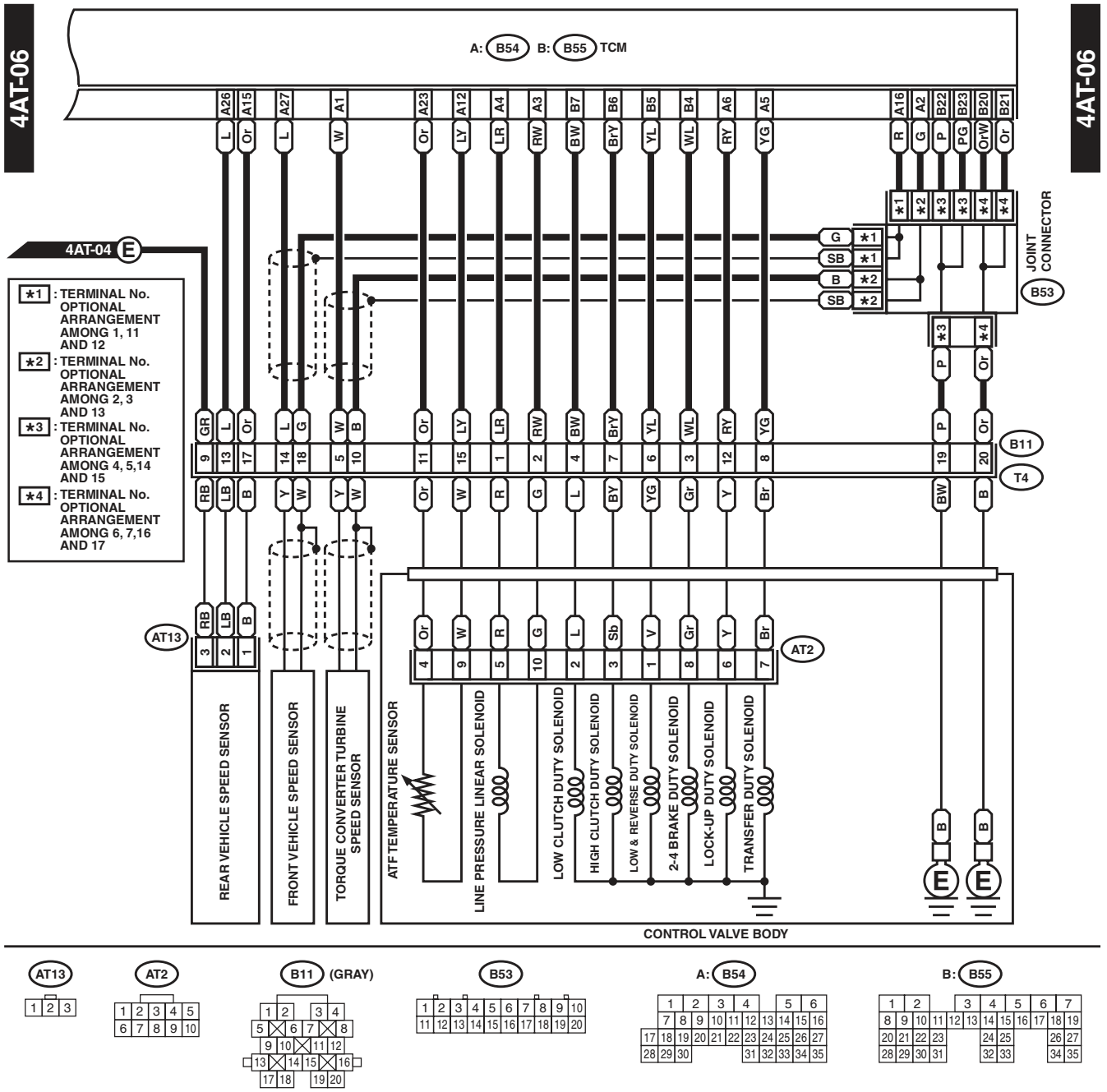
WI-15815

WIRING SYSTEM



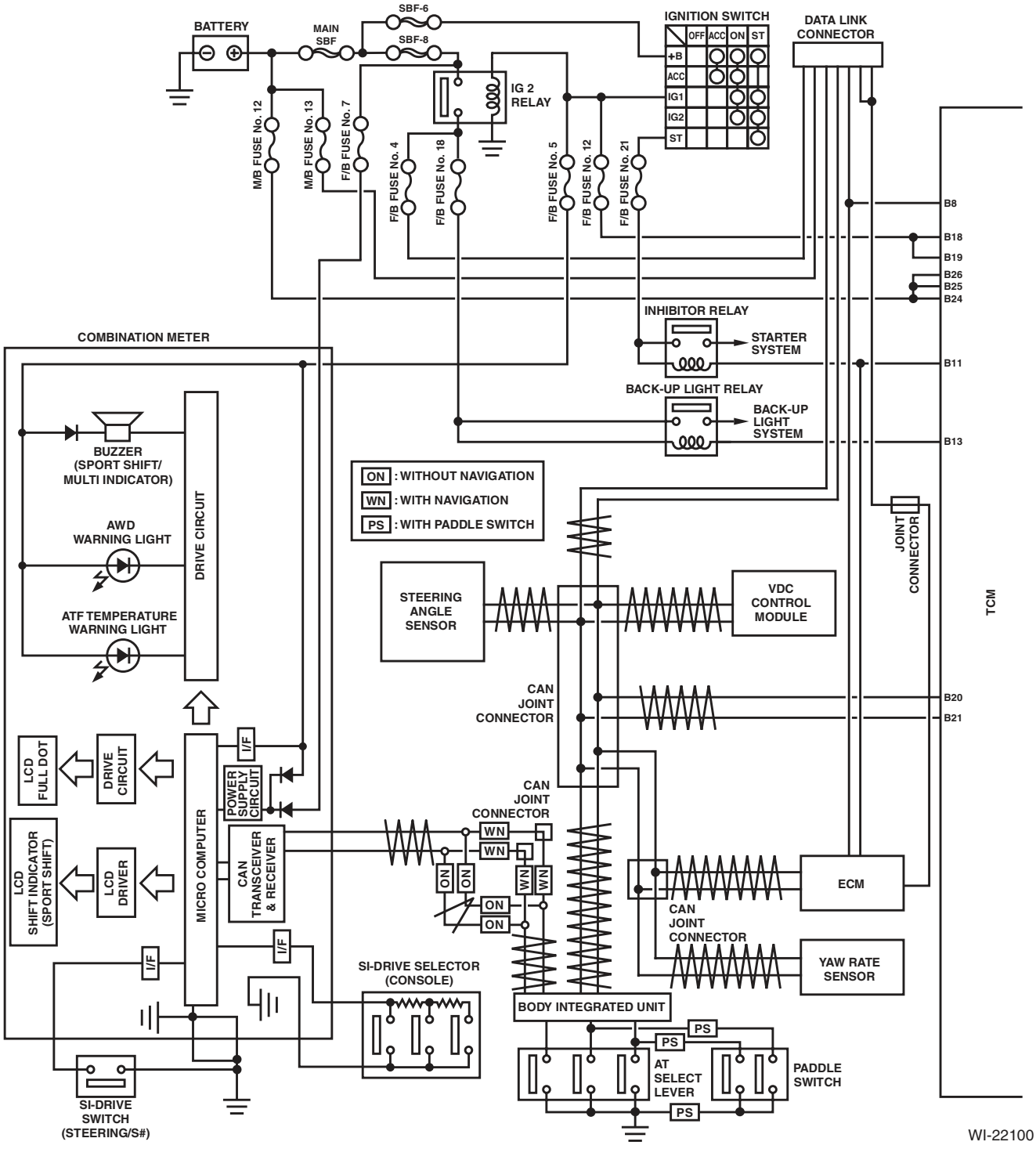


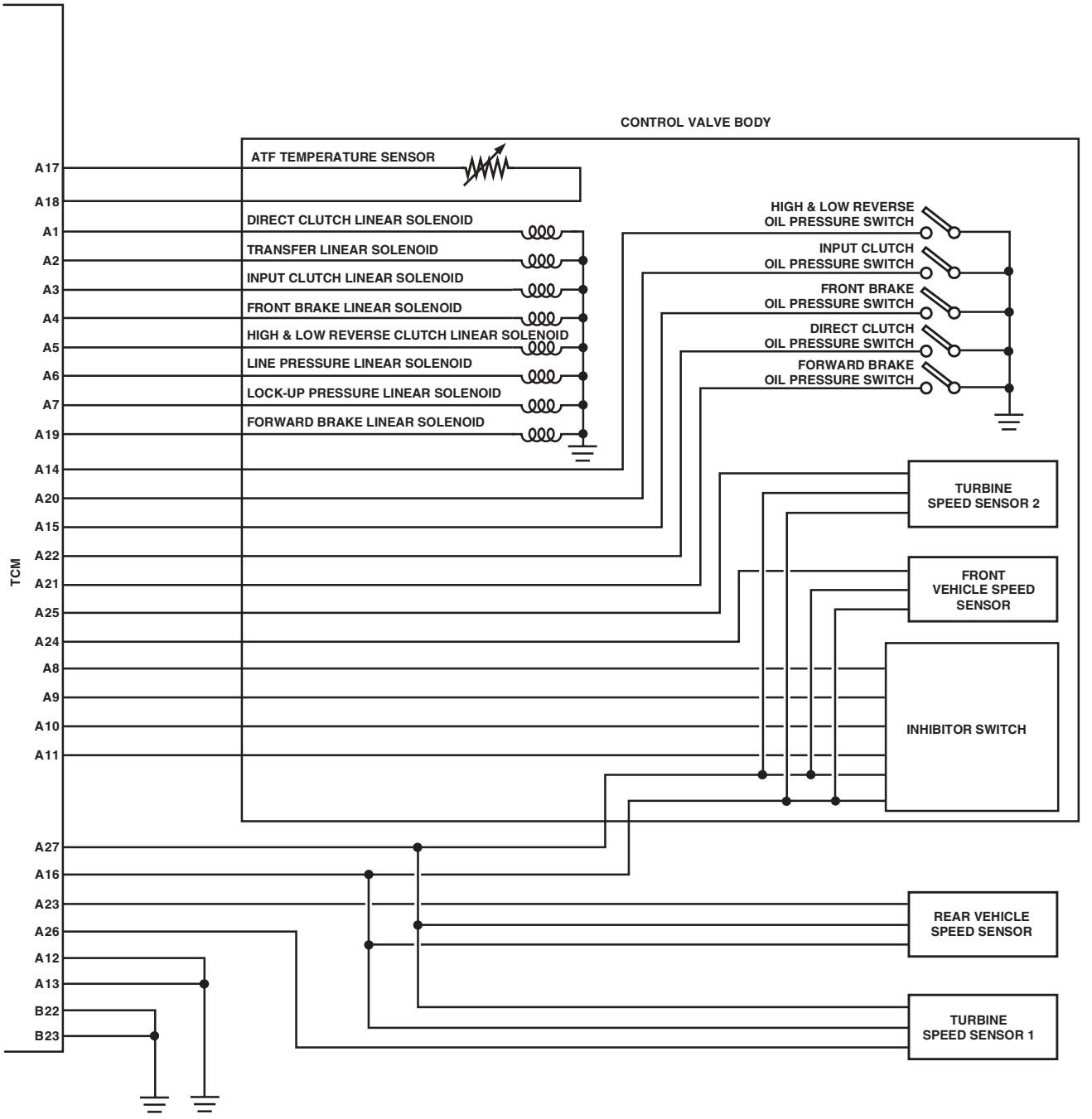
WI-20993


4AT-06
4AT-06
A: B54 B: B55 TCM
A26 A15 A27 A1 A23 A12 A4 A3 B7 B6 B5 B4 A6 A5
L Or L W Or LY LR RW BW BrY YL WL RY YG
A16 A2 B22 B23 B20 B21
R G P PG OrW Or
JOINT CONNECTOR
B53
4AT-04 E
*1 : TERMINAL No. OPTIONAL ARRANGEMENT AMONG 1, 11 AND 12
*2 : TERMINAL No. OPTIONAL ARRANGEMENT AMONG 2, 3 AND 13
*3 : TERMINAL No. OPTIONAL ARRANGEMENT AMONG 4, 5,14 AND 15
*4 : TERMINAL No. OPTIONAL ARRANGEMENT AMONG 6, 7,16 AND 17
B11
T4
AT13
AT2
REAR VEHICLE SPEED SENSOR
FRONT VEHICLE SPEED SENSOR
TORQUE CONVERTER TURBINE SPEED SENSOR
ATF TEMPERATURE SENSOR
LINE PRESSURE LINEAR SOLENOID
LOW CLUTCH DUTY SOLENOID
HIGH CLUTCH DUTY SOLENOID
LOW & REVERSE DUTY SOLENOID
2-4 BRAKE DUTY SOLENOID
LOCK-UP DUTY SOLENOID
TRANSFER DUTY SOLENOID
CONTROL VALVE BODY
AT13
AT2
B11 (GRAY)
B53
A: B54
B: B55

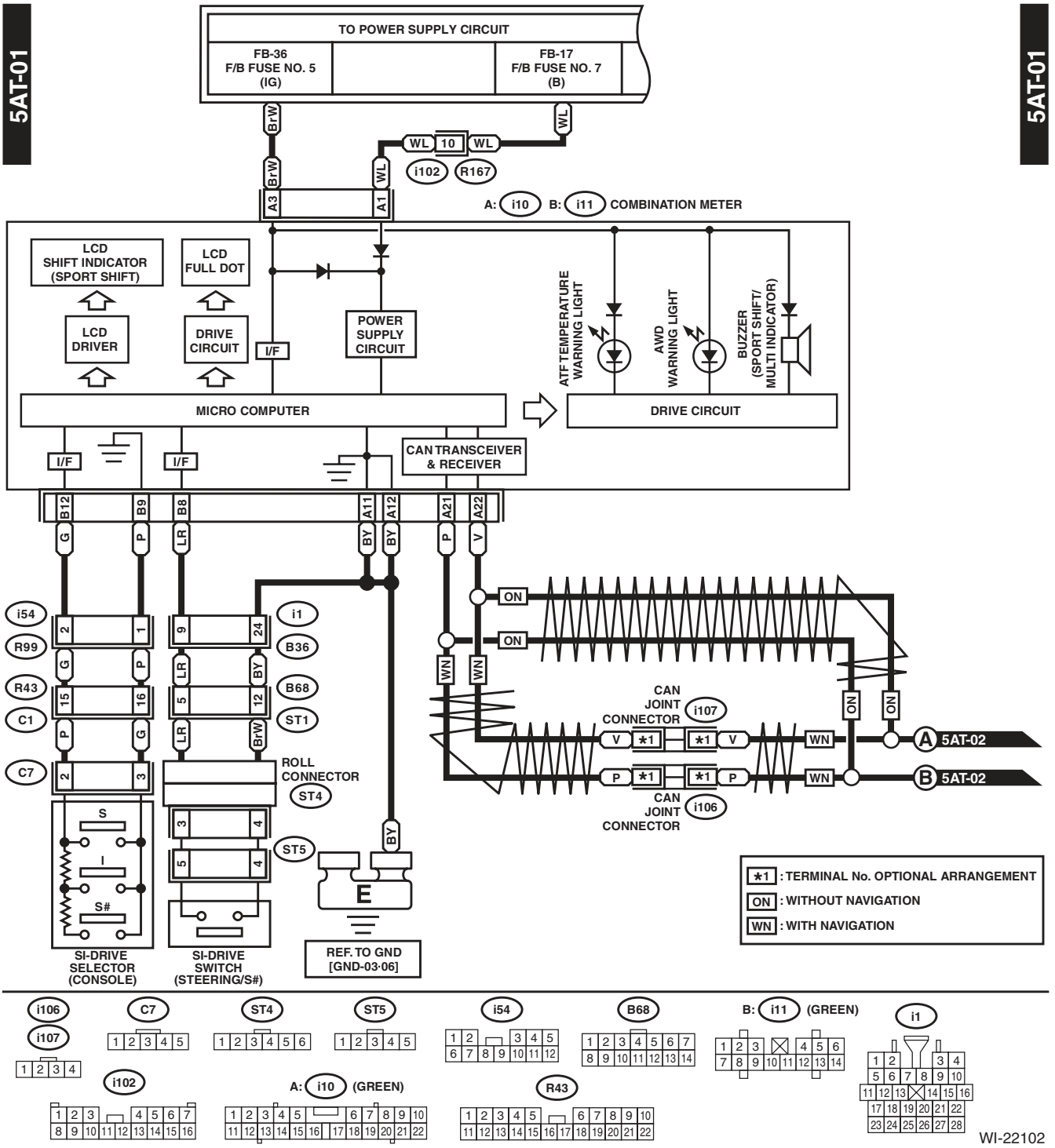
WI-20994

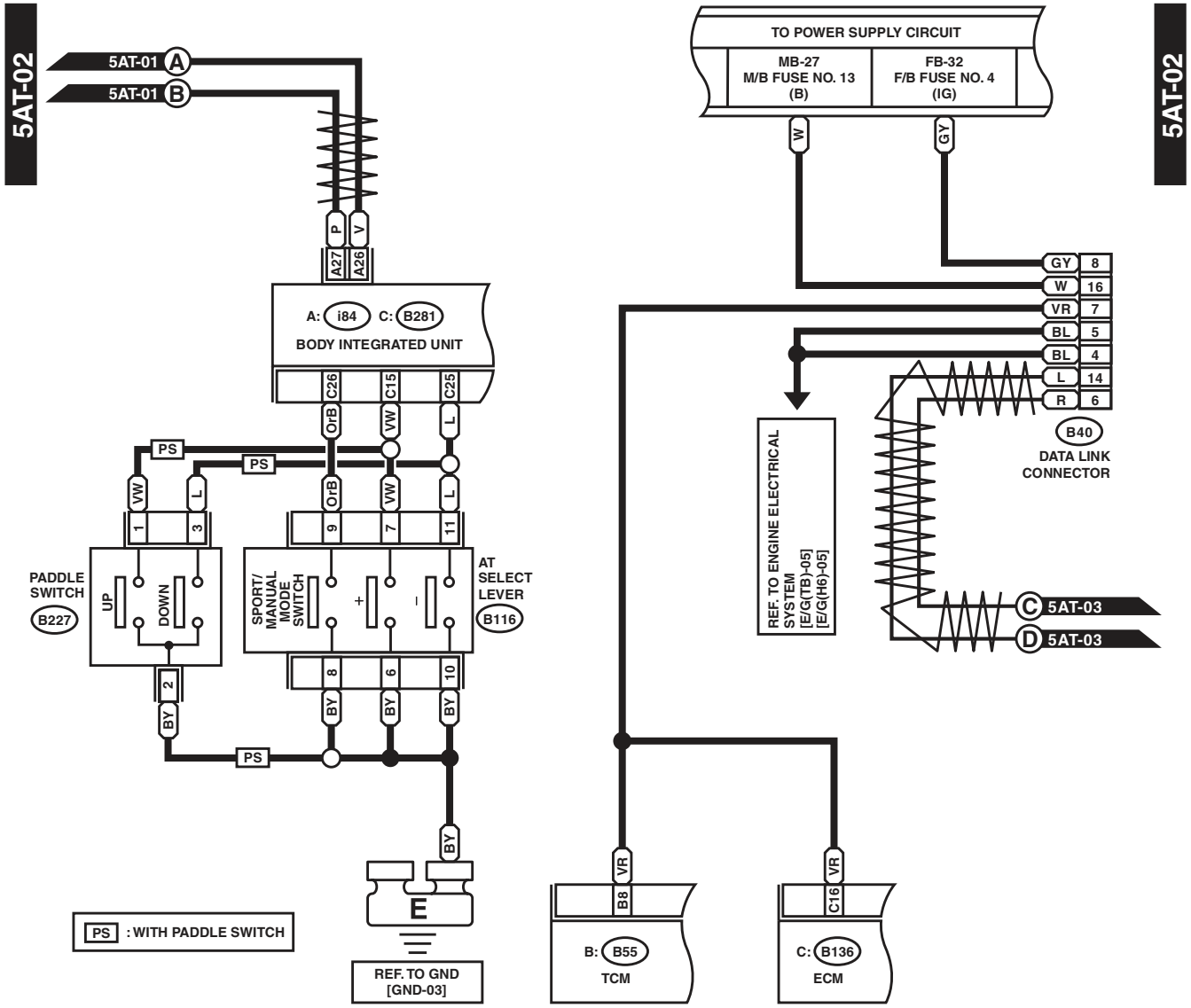
2. 5AT MODEL

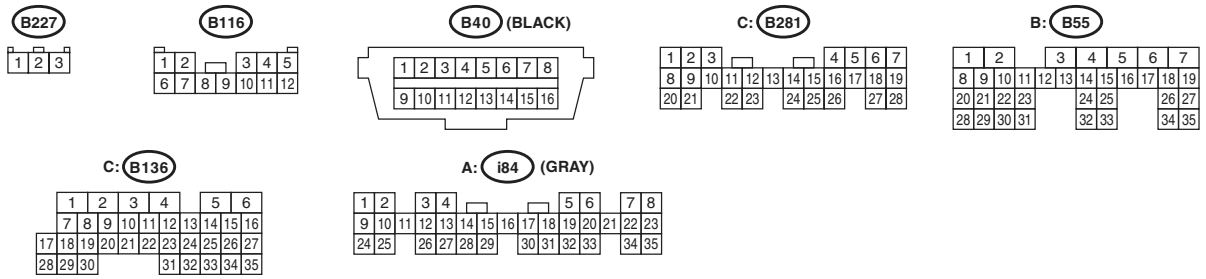

BATTERY
MAIN SBF
SBF-6
SBF-8
IGNITION SWITCH
OFF ACC ON ST
+B
ACC
IG1
IG2
ST
DATA LINK CONNECTOR
IG 2 RELAY
M/B FUSE No. 12
M/B FUSE No. 13
F/B FUSE No. 7
F/B FUSE No. 4
F/B FUSE No. 18
F/B FUSE No. 5
F/B FUSE No. 12
F/B FUSE No. 21
B8
B18
B19
B26
B25
B24
INHIBITOR RELAY
STARTER SYSTEM
B11
BACK-UP LIGHT RELAY
BACK-UP LIGHT SYSTEM
B13
COMBINATION METER
BUZZER (SPORT SHIFT/ MULTI INDICATOR)
AWD WARNING LIGHT
ATF TEMPERATURE WARNING LIGHT
DRIVE CIRCUIT
ON : WITHOUT NAVIGATION
WN : WITH NAVIGATION
PS : WITH PADDLE SWITCH
JOINT CONNECTOR
TCM
STEERING ANGLE SENSOR
VDC CONTROL MODULE
CAN JOINT CONNECTOR
B20
B21
LCD FULL DOT
DRIVE CIRCUIT
I/F
POWER SUPPLY CIRCUIT
LCD SHIFT INDICATOR (SPORT SHIFT)
LCD DRIVER
MICRO COMPUTER
CAN TRANSCEIVER & RECEIVER
WN
ON
ECM
YAW RATE SENSOR
SI-DRIVE SELECTOR (CONSOLE)
BODY INTEGRATED UNIT
PS
AT SELECT LEVER
PADDLE SWITCH
SI-DRIVE SWITCH (STEERING/S#)
WI-22100


CONTROL VALVE BODY
ATF TEMPERATURE SENSOR
DIRECT CLUTCH LINEAR SOLENOID
TRANSFER LINEAR SOLENOID
INPUT CLUTCH LINEAR SOLENOID
FRONT BRAKE LINEAR SOLENOID
HIGH & LOW REVERSE CLUTCH LINEAR SOLENOID
LINE PRESSURE LINEAR SOLENOID
LOCK-UP PRESSURE LINEAR SOLENOID
FORWARD BRAKE LINEAR SOLENOID
HIGH & LOW REVERSE OIL PRESSURE SWITCH
INPUT CLUTCH OIL PRESSURE SWITCH
FRONT BRAKE OIL PRESSURE SWITCH
DIRECT CLUTCH OIL PRESSURE SWITCH
FORWARD BRAKE OIL PRESSURE SWITCH
TURBINE SPEED SENSOR 2
FRONT VEHICLE SPEED SENSOR
INHIBITOR SWITCH
REAR VEHICLE SPEED SENSOR
TURBINE SPEED SENSOR 1
TCM
A17
A18
A1
A2
A3
A4
A5
A6
A7
A19
A14
A20
A15
A22
A21
A25
A24
A8
A9
A10
A11
A27
A16
A23
A26
A12
A13
B22
B23

WI-22101

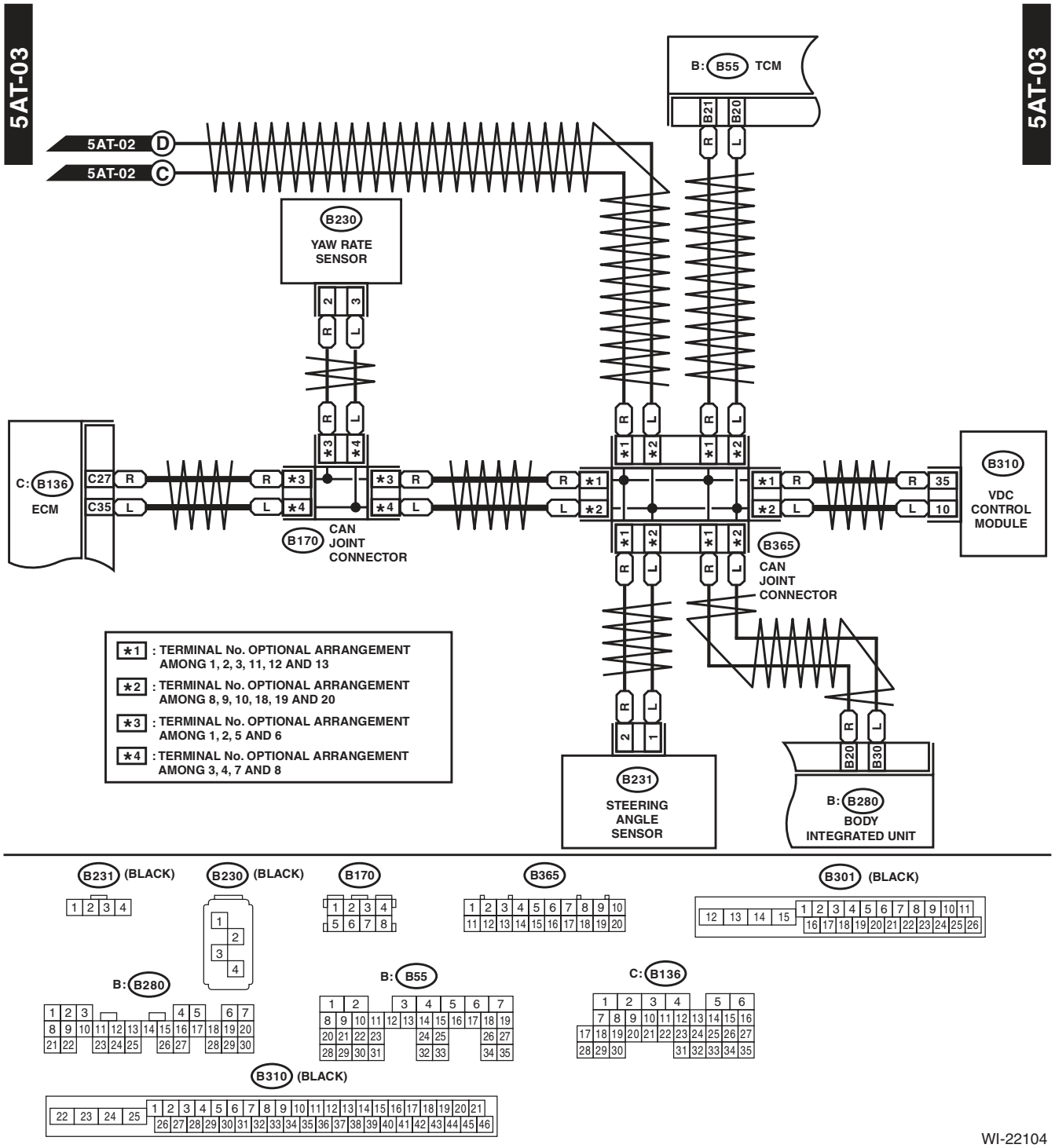

5AT-01
5AT-01
TO POWER SUPPLY CIRCUIT
FB-36
F/B FUSE NO. 5
(IG)
FB-17
F/B FUSE NO. 7
(B)
BrW
WL
WL
10
WL
i102
R167
BrW
WL
A3
A1
A: i10 B: i11 COMBINATION METER
LCD
SHIFT INDICATOR
(SPORT SHIFT)
LCD
FULL DOT
LCD
DRIVER
DRIVE
CIRCUIT
I/F
POWER
SUPPLY
CIRCUIT
ATF TEMPERATURE
WARNING LIGHT
AWD
WARNING LIGHT
BUZZER
(SPORT SHIFT/
MULTI INDICATOR)
MICRO COMPUTER
DRIVE CIRCUIT
I/F
I/F
CAN TRANSCEIVER
& RECEIVER
B12
B9
B8
A11
A12
A21
A22
G
P
LR
BY
BY
P
V
i54
R99
R43
C1
C7
i1
B36
B68
ST1
ROLL
CONNECTOR
ST4
ST5
S
I
S#
SI-DRIVE
SELECTOR
(CONSOLE)
SI-DRIVE
SWITCH
(STEERING/S#)
REF. TO GND
[GND-03·06]
ON
ON
WN
WN
CAN
JOINT
CONNECTOR
i107
CAN
JOINT
CONNECTOR
i106
V
*1
*1
V
P
*1
*1
P
WN
WN
ON
ON
A 5AT-02
B 5AT-02
*1 : TERMINAL No. OPTIONAL ARRANGEMENT
ON : WITHOUT NAVIGATION
WN : WITH NAVIGATION
i106
i107
C7
ST4
ST5
i54
B68
B: i11 (GREEN)
i1
i102
A: i10 (GREEN)
R43
WI-22102


5AT-02
5AT-01 A
5AT-01 B
P
V
A27
A26
A: i84 C: B281
BODY INTEGRATED UNIT
C26
C15
C25
OrB
VW
L
PS
PS
VW
L
OrB
VW
L
1
3
9
7
11
PADDLE SWITCH
B227
UP
DOWN
SPORT/ MANUAL MODE SWITCH
+
-
AT SELECT LEVER
B116
2
8
6
10
BY
BY
BY
BY
PS
BY
E
REF. TO GND [GND-03]
PS : WITH PADDLE SWITCH
TO POWER SUPPLY CIRCUIT
MB-27 M/B FUSE NO. 13 (B)
FB-32 F/B FUSE NO. 4 (IG)
W
GY
GY 8
W 16
VR 7
BL 5
BL 4
L 14
R 6
B40
DATA LINK CONNECTOR
REF. TO ENGINE ELECTRICAL SYSTEM [E/G(TB)-05] [E/G(H6)-05]
C 5AT-03
D 5AT-03
VR
B8
B: B55
TCM
VR
C16
C: B136
ECM
5AT-02

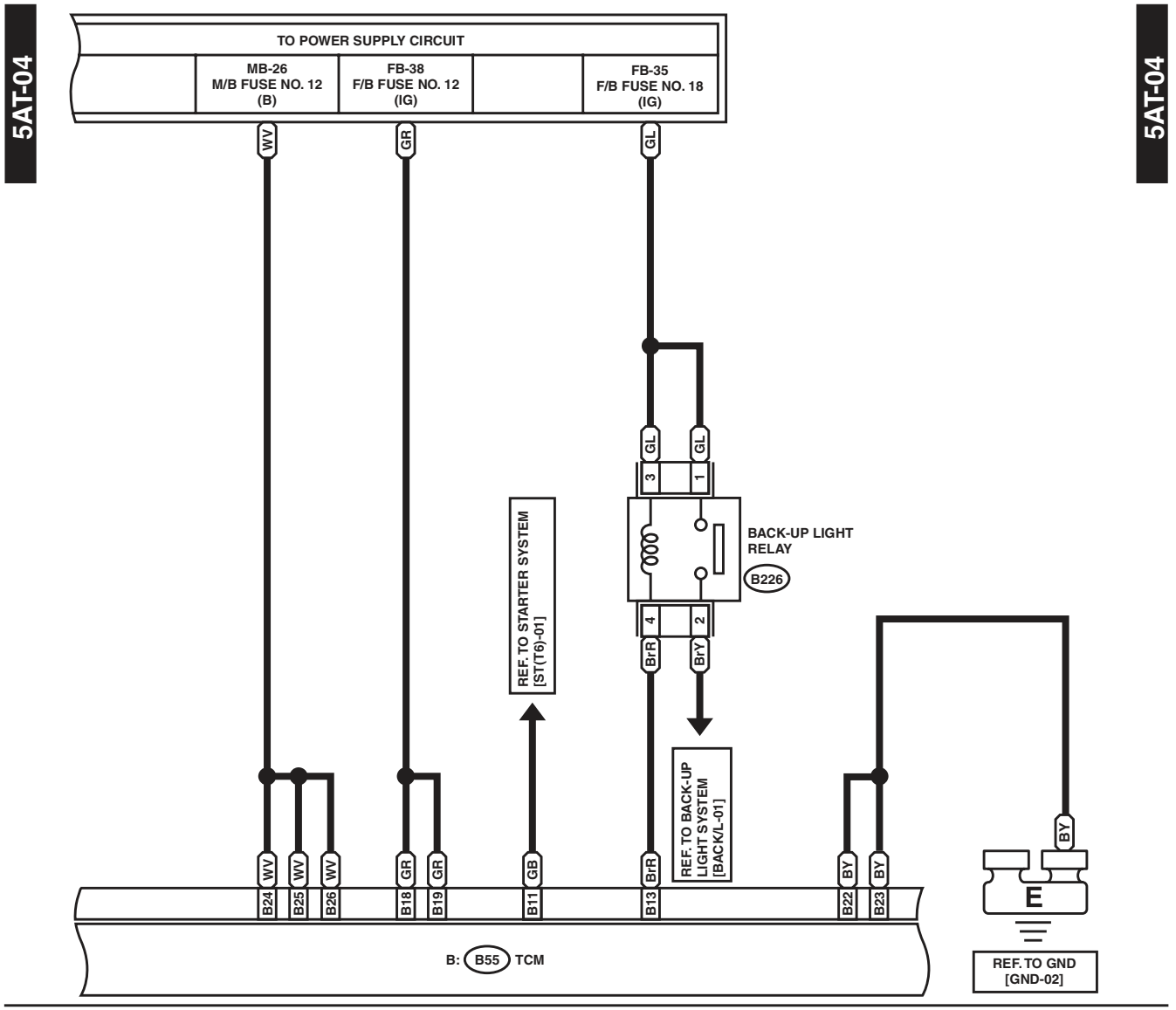

B227
1 2 3
B116
1 2 3 4 5
6 7 8 9 10 11 12
B40 (BLACK)
1 2 3 4 5 6 7 8
9 10 11 12 13 14 15 16
C: B281
1 2 3 4 5 6 7
8 9 10 11 12 13 14 15 16 17 18 19
20 21 22 23 24 25 26 27 28
B: B55
1 2 3 4 5 6 7
8 9 10 11 12 13 14 15 16 17 18 19
20 21 22 23 24 25 26 27
28 29 30 31 32 33 34 35
C: B136
1 2 3 4 5 6
7 8 9 10 11 12 13 14 15 16
17 18 19 20 21 22 23 24 25 26 27
28 29 30 31 32 33 34 35
A: i84 (GRAY)
1 2 3 4 5 6 7 8
9 10 11 12 13 14 15 16 17 18 19 20 21 22 23
24 25 26 27 28 29 30 31 32 33 34 35

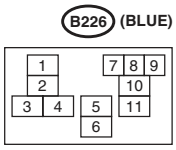
WI-22103

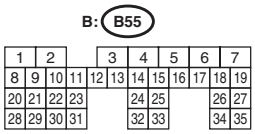
WIRING SYSTEM



WI-22104

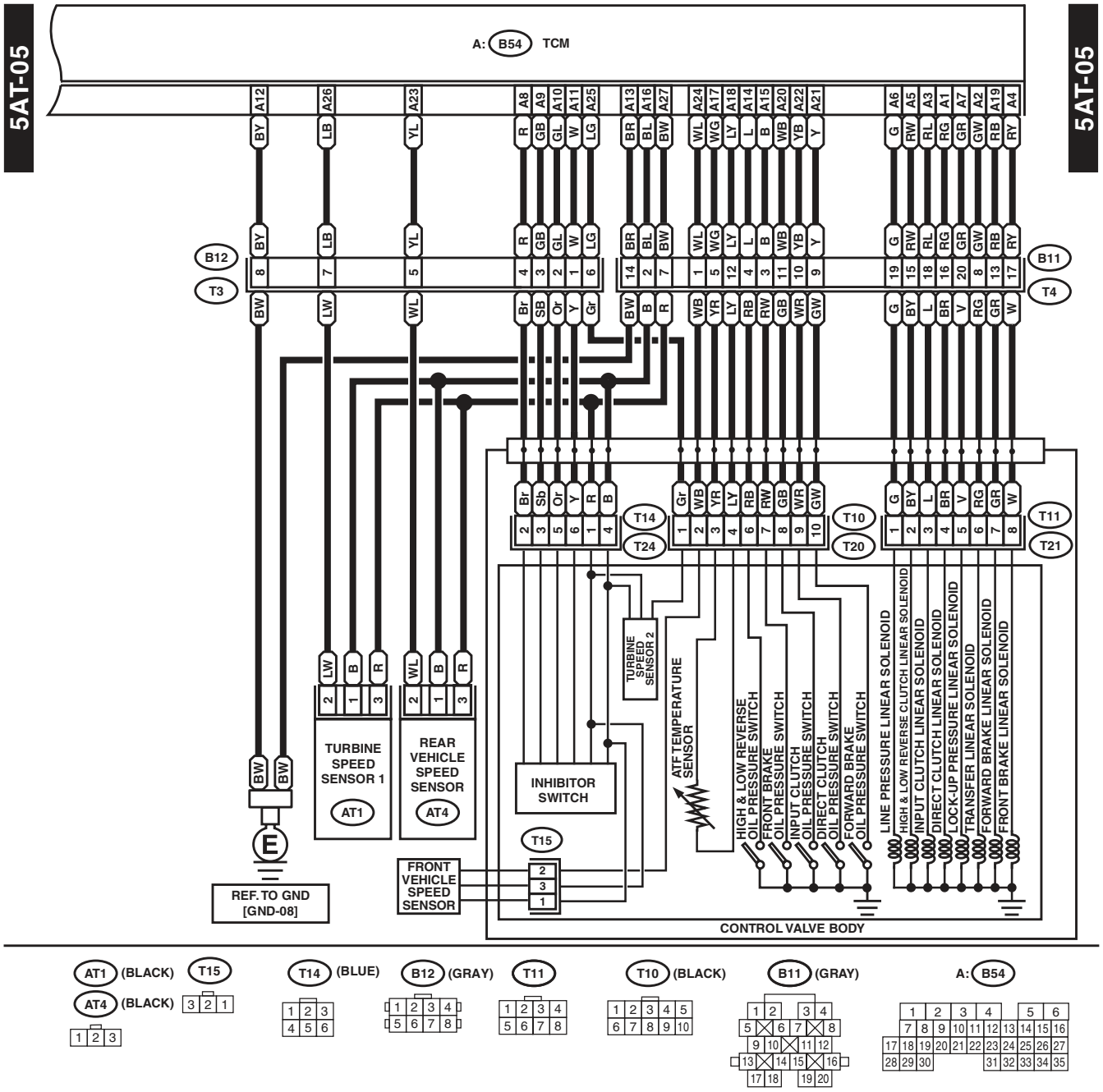

5AT-04
5AT-04
TO POWER SUPPLY CIRCUIT
MB-26
M/B FUSE NO. 12
(B)
FB-38
F/B FUSE NO. 12
(IG)
FB-35
F/B FUSE NO. 18
(IG)
WV
GR
GL
GL
GL
3
1
BACK-UP LIGHT
RELAY
B226
4
2
BrR
BrY
REF. TO STARTER SYSTEM
[ST(T6)-01]
REF. TO BACK-UP
LIGHT SYSTEM
[BACK/L-01]
BY
BY
BY
E
REF. TO GND
[GND-02]
WV
WV
WV
GR
GR
GB
BrR
BY
BY
B24
B25
B26
B18
B19
B11
B13
B22
B23
B: B55 TCM


B226 (BLUE)
1
2
3
4
5
6
7
8
9
10
11


B: B55
1 2 3 4 5 6 7
8 9 10 11 12 13 14 15 16 17 18 19
20 21 22 23 24 25 26 27
28 29 30 31 32 33 34 35

WI-22105

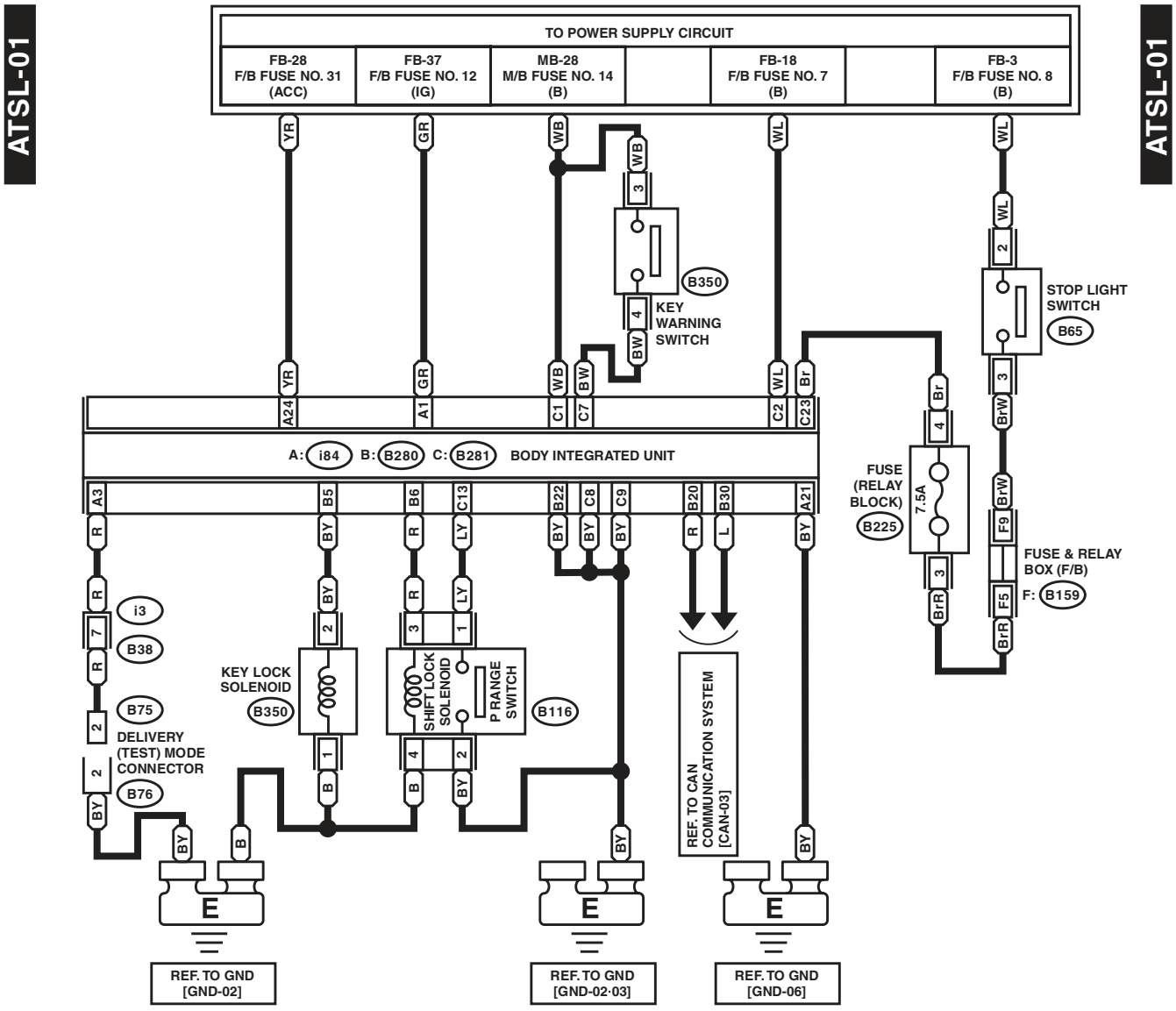
WIRING SYSTEM

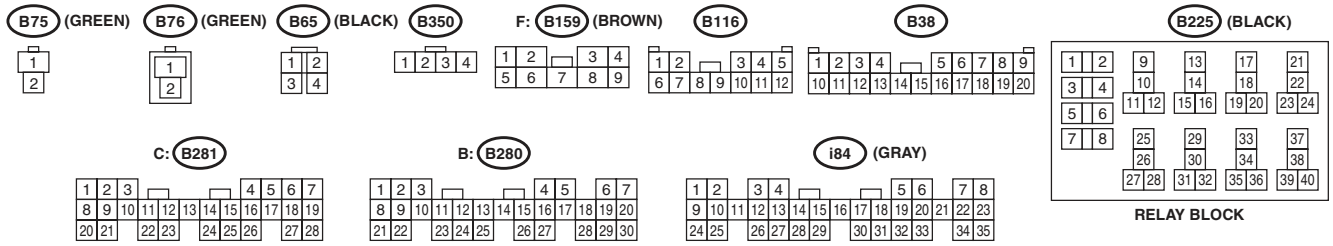


WI-22106

11.AT Shift Lock Control System

A: WIRING DIAGRAM

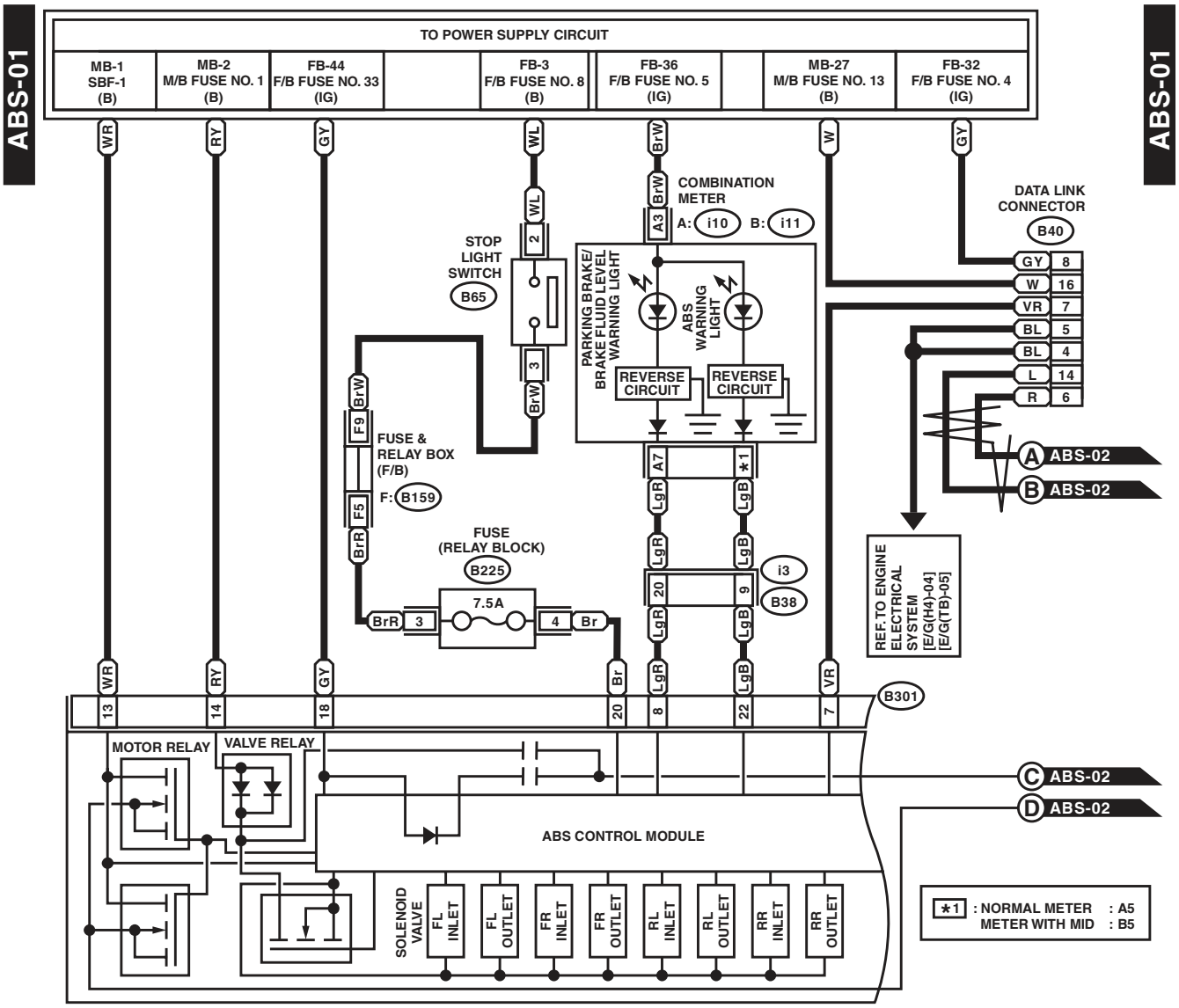


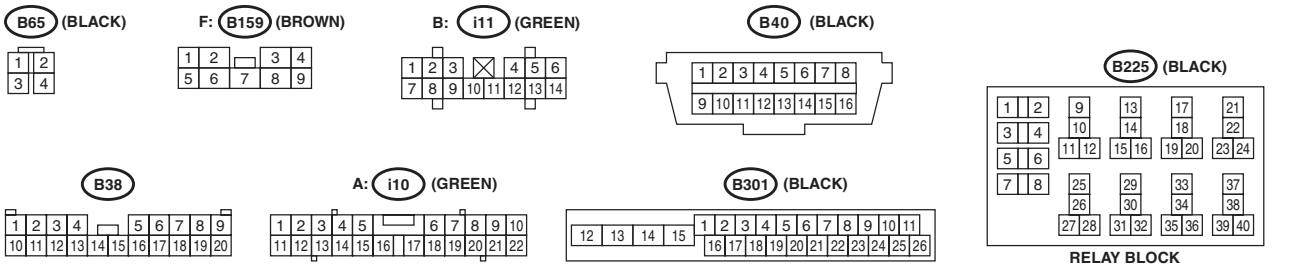


WI-22107

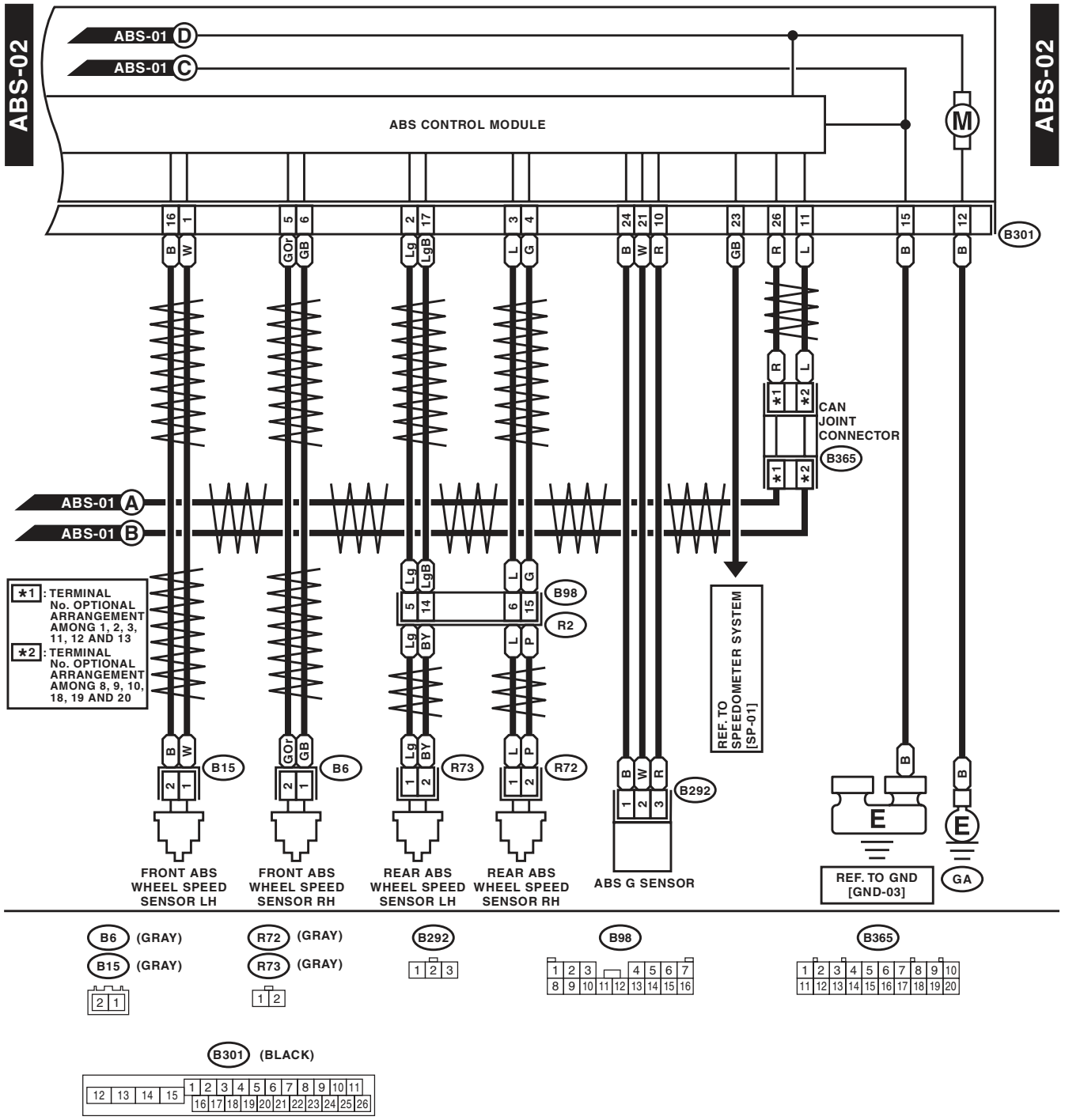
12. Anti-lock Brake System

A: WIRING DIAGRAM





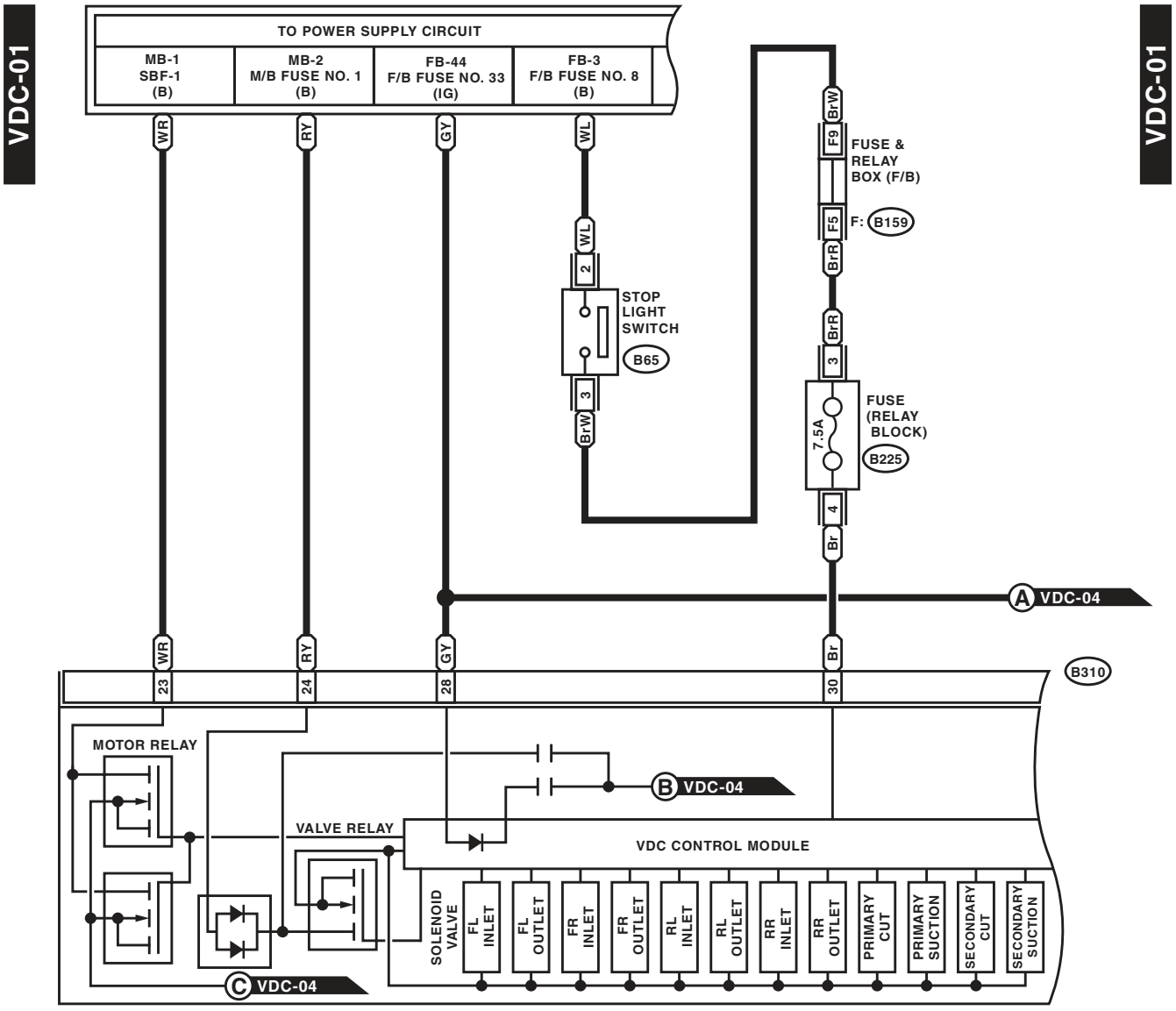
WI-22108

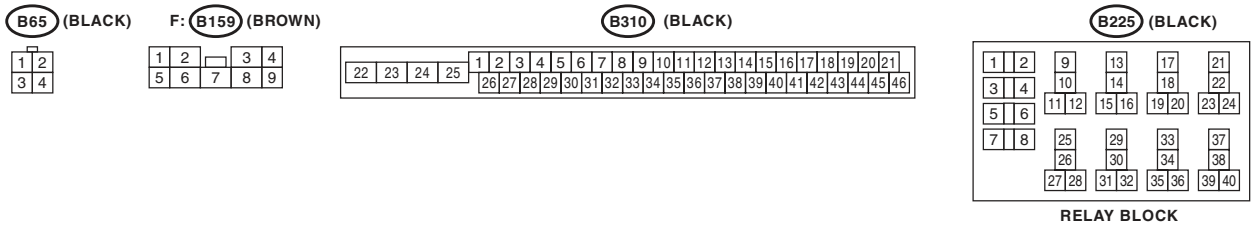

ABS-02
ABS-01 D
ABS-01 C
ABS CONTROL MODULE
M
ABS-02
B301
CAN JOINT CONNECTOR
B365
ABS-01 A
ABS-01 B
*1 : TERMINAL No. OPTIONAL ARRANGEMENT AMONG 1, 2, 3, 11, 12 AND 13
*2 : TERMINAL No. OPTIONAL ARRANGEMENT AMONG 8, 9, 10, 18, 19 AND 20
B98
R2
B15
B6
R73
R72
B292
REF. TO SPEEDOMETER SYSTEM [SP-01]
FRONT ABS WHEEL SPEED SENSOR LH
FRONT ABS WHEEL SPEED SENSOR RH
REAR ABS WHEEL SPEED SENSOR LH
REAR ABS WHEEL SPEED SENSOR RH
ABS G SENSOR
REF. TO GND [GND-03]
GA
B6 (GRAY)
B15 (GRAY)
R72 (GRAY)
R73 (GRAY)
B292
B98
B365
B301 (BLACK)

WI-15829

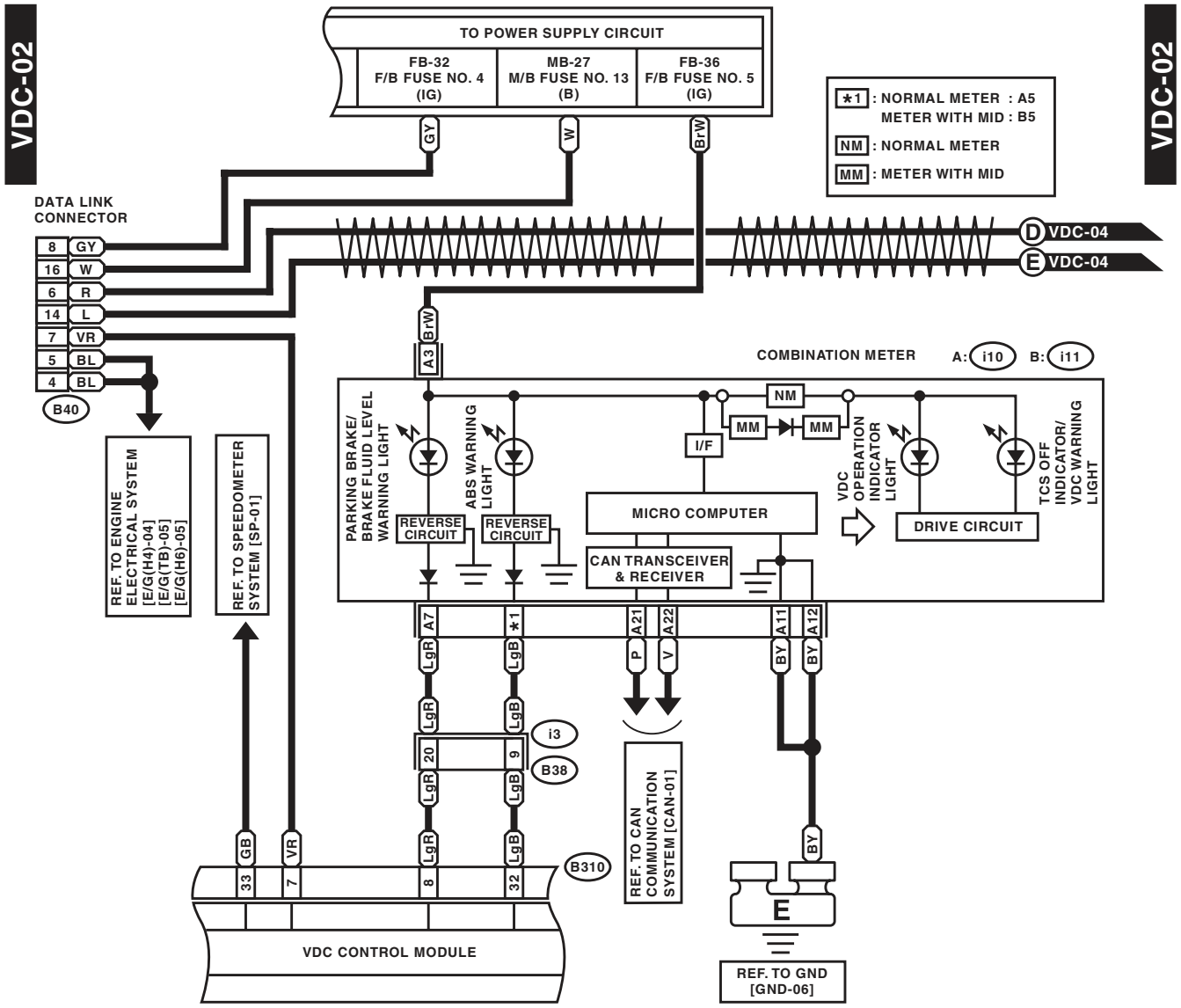
13. Vehicle Dynamics Control System

A: WIRING DIAGRAM

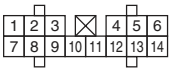




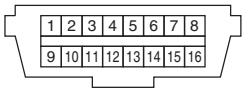
WI-15830



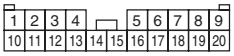
B: i11 (GREEN)



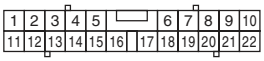
B40 (BLACK)



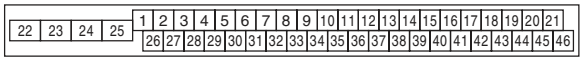
B38



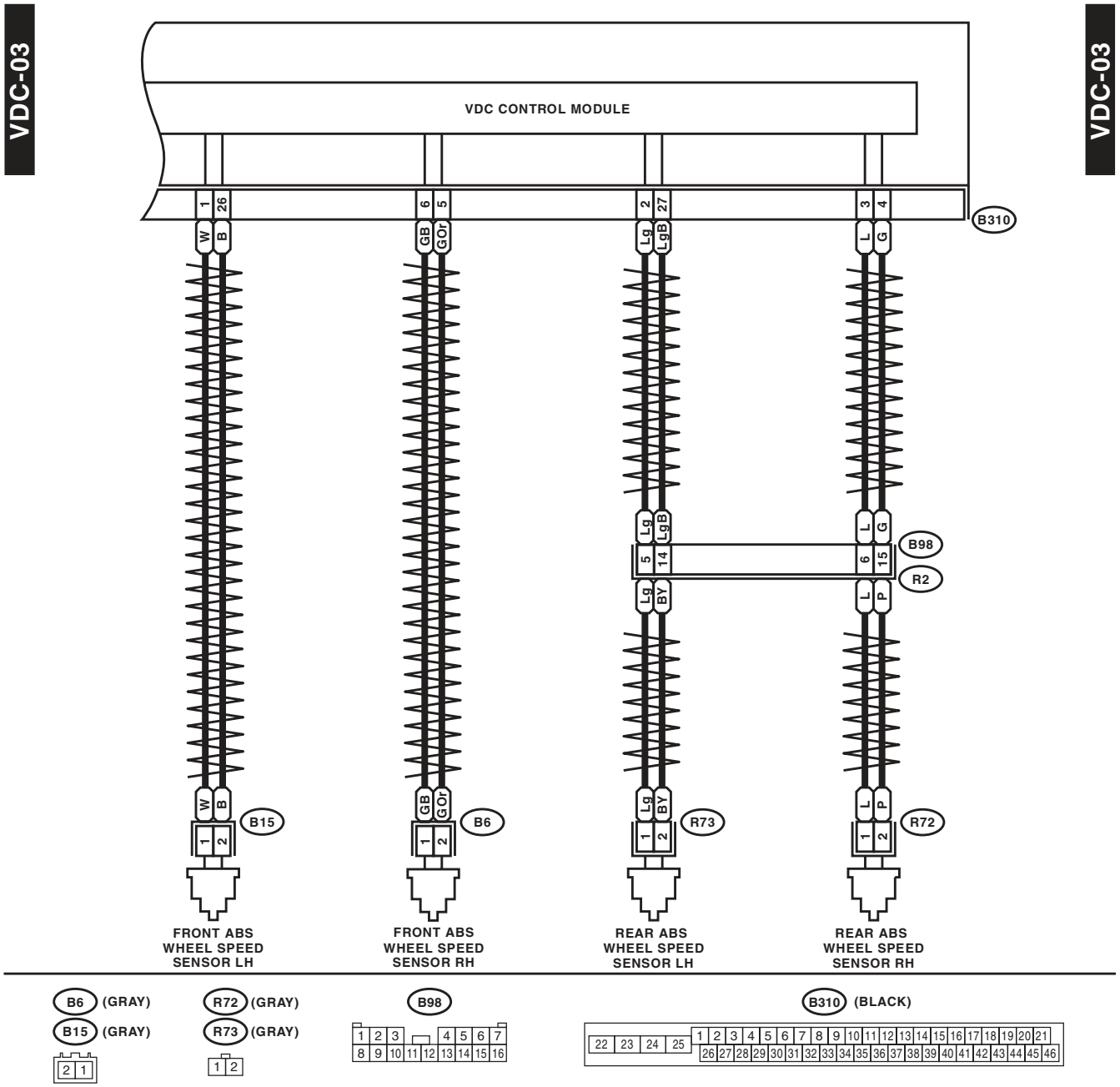
A: i10 (GREEN)



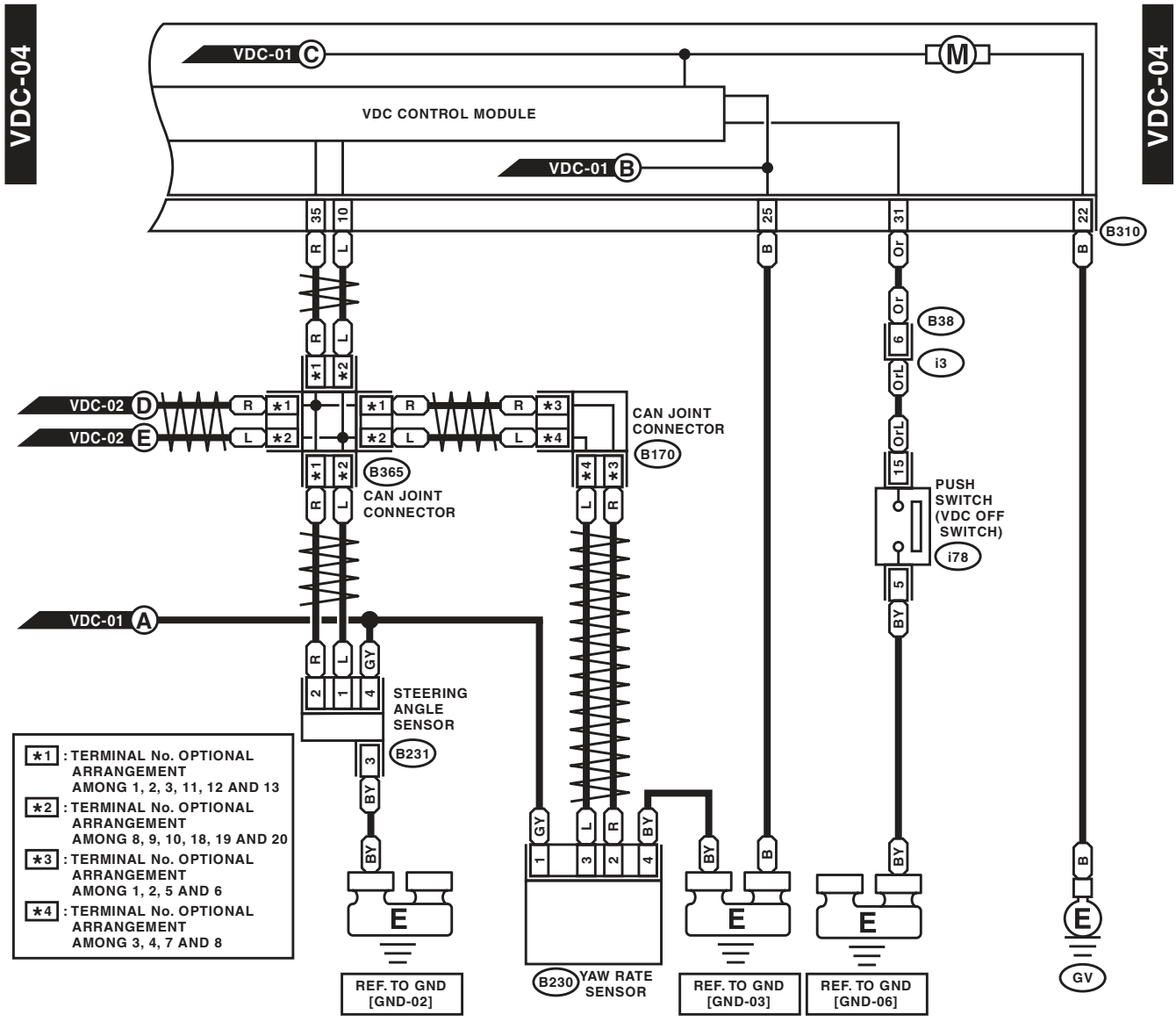
B310 (BLACK)

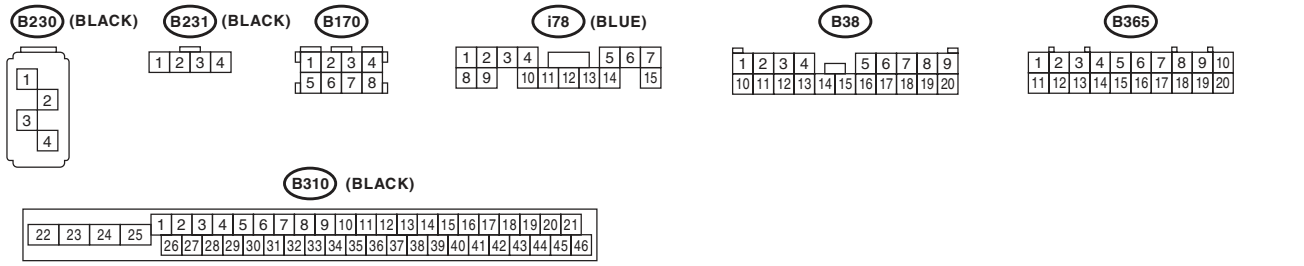


WI-15831


VDC-03
VDC-03
VDC CONTROL MODULE
B310
B98
R2
B15
B6
R73
R72
FRONT ABS WHEEL SPEED SENSOR LH
FRONT ABS WHEEL SPEED SENSOR RH
REAR ABS WHEEL SPEED SENSOR LH
REAR ABS WHEEL SPEED SENSOR RH
B6 (GRAY)
B15 (GRAY)
R72 (GRAY)
R73 (GRAY)
B98
B310 (BLACK)

WI-15832

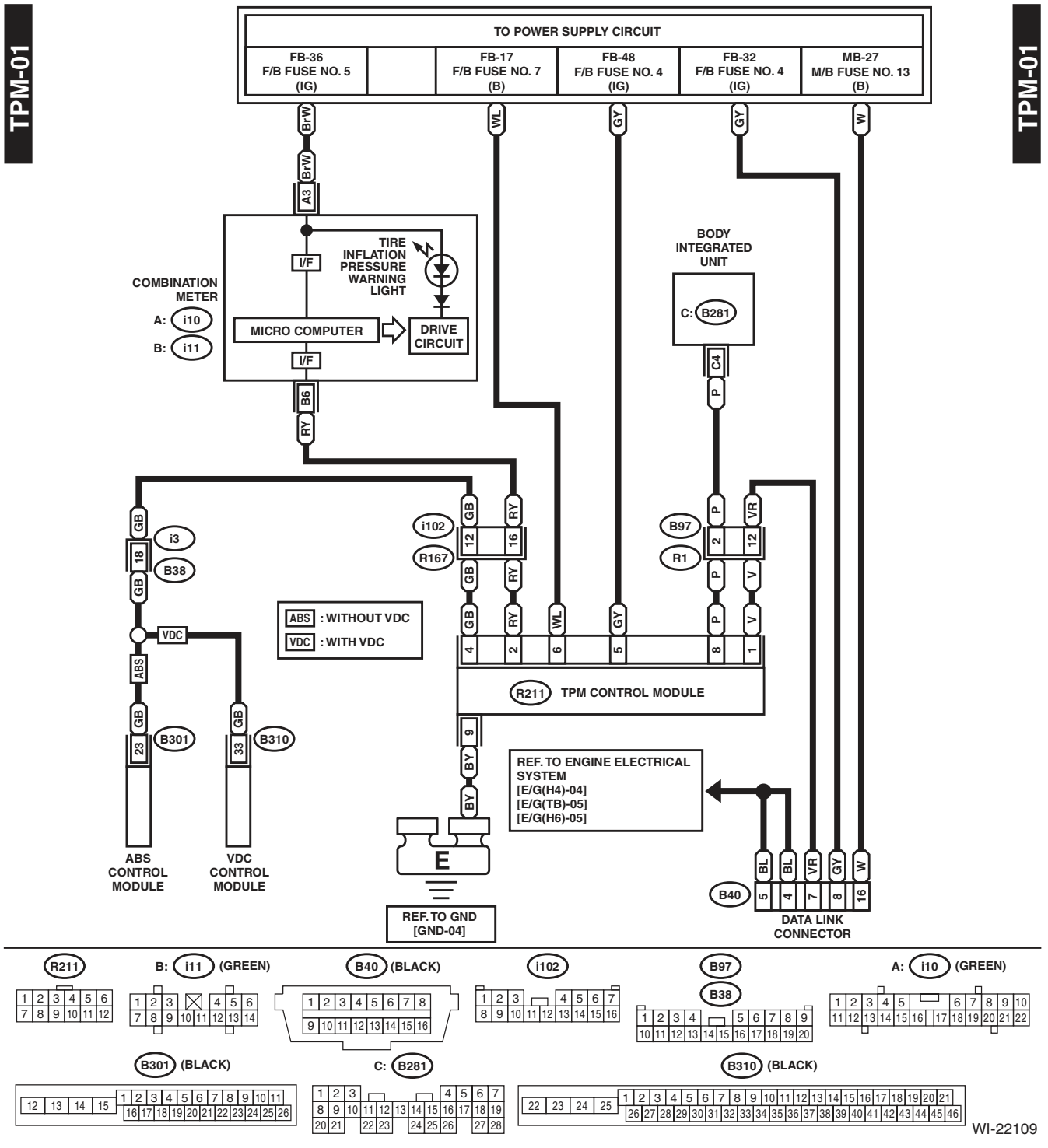

VDC-04
VDC-04
VDC-01 C
M
VDC CONTROL MODULE
VDC-01 B
35
10
25
31
22
B310
R
L
B
Or
B
VDC-02 D
VDC-02 E
*1
*2
*3
*4
CAN JOINT CONNECTOR
B170
B365
CAN JOINT CONNECTOR
B38
6
i3
OrL
15
PUSH SWITCH (VDC OFF SWITCH)
i78
5
BY
VDC-01 A
GY
2
1
4
STEERING ANGLE SENSOR
B231
3
*1 : TERMINAL No. OPTIONAL ARRANGEMENT AMONG 1, 2, 3, 11, 12 AND 13
*2 : TERMINAL No. OPTIONAL ARRANGEMENT AMONG 8, 9, 10, 18, 19 AND 20
*3 : TERMINAL No. OPTIONAL ARRANGEMENT AMONG 1, 2, 5 AND 6
*4 : TERMINAL No. OPTIONAL ARRANGEMENT AMONG 3, 4, 7 AND 8
E
REF. TO GND [GND-02]
B230 YAW RATE SENSOR
REF. TO GND [GND-03]
REF. TO GND [GND-06]
GV


B230 (BLACK)
B231 (BLACK)
B170
i78 (BLUE)
B38
B365
B310 (BLACK)

WI-15833

14. Tire Pressure Monitoring System

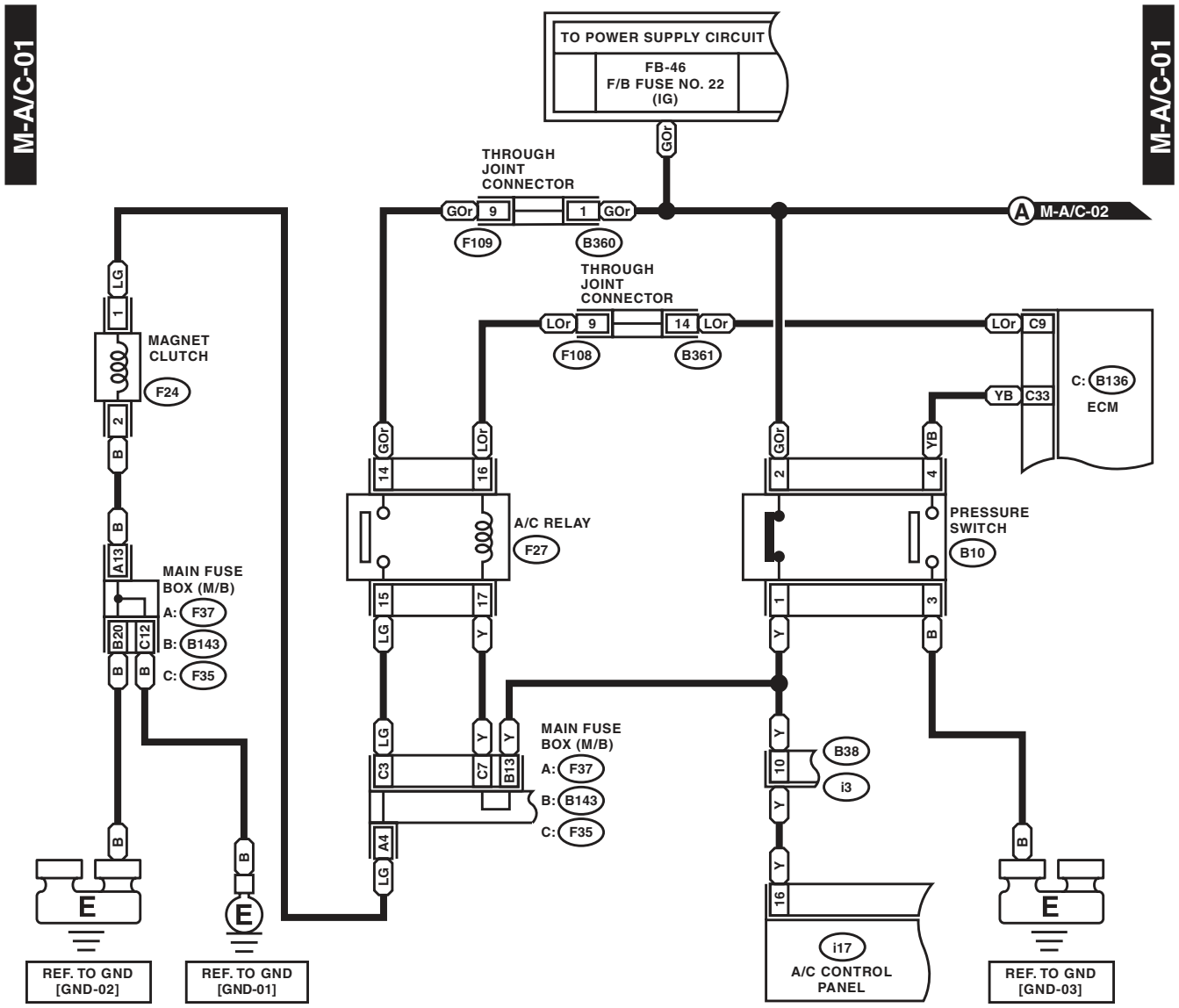
A: WIRING DIAGRAM

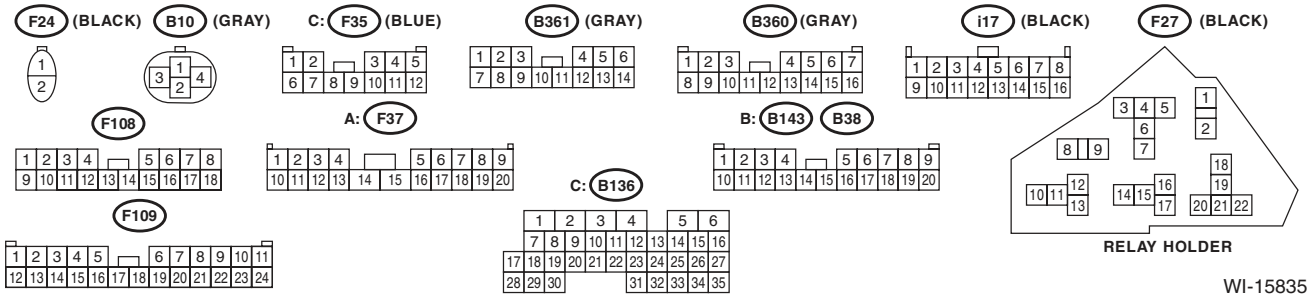


15. Air Conditioning System

A: WIRING DIAGRAM

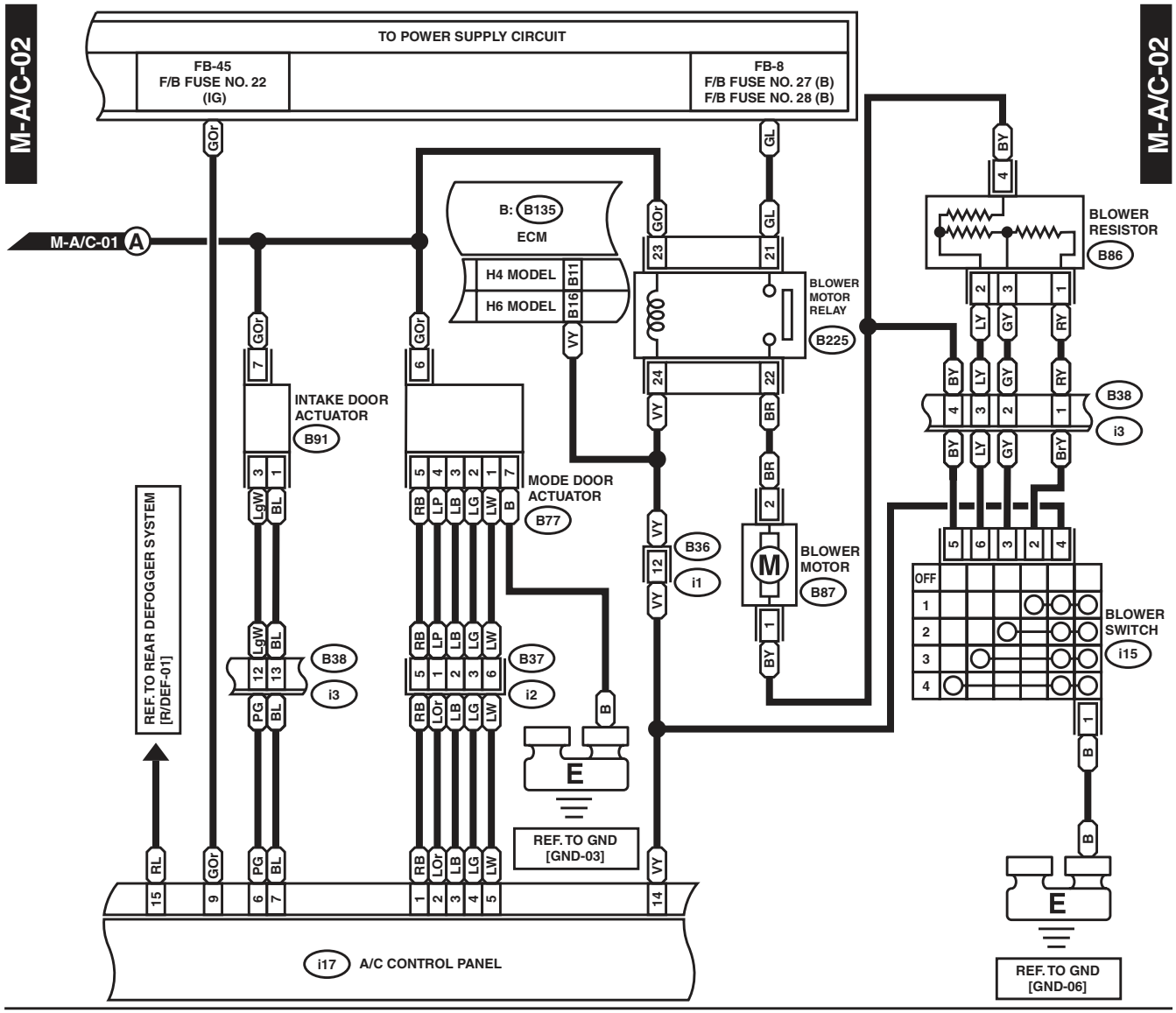
1. MANUAL A/C MODEL

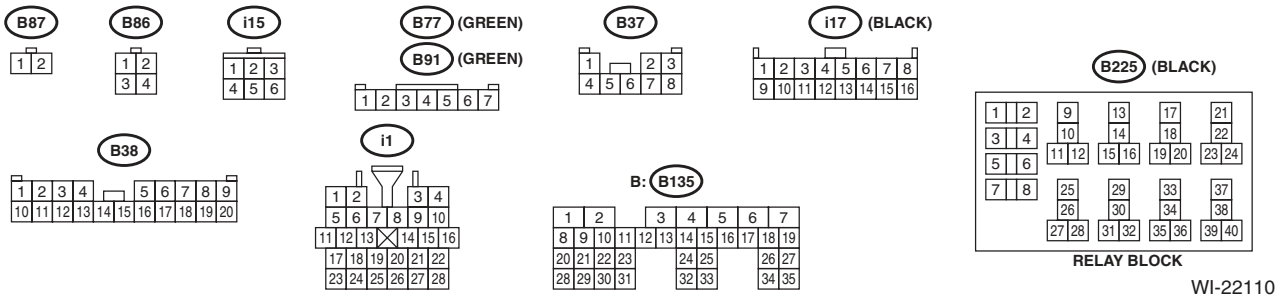




WI-15835

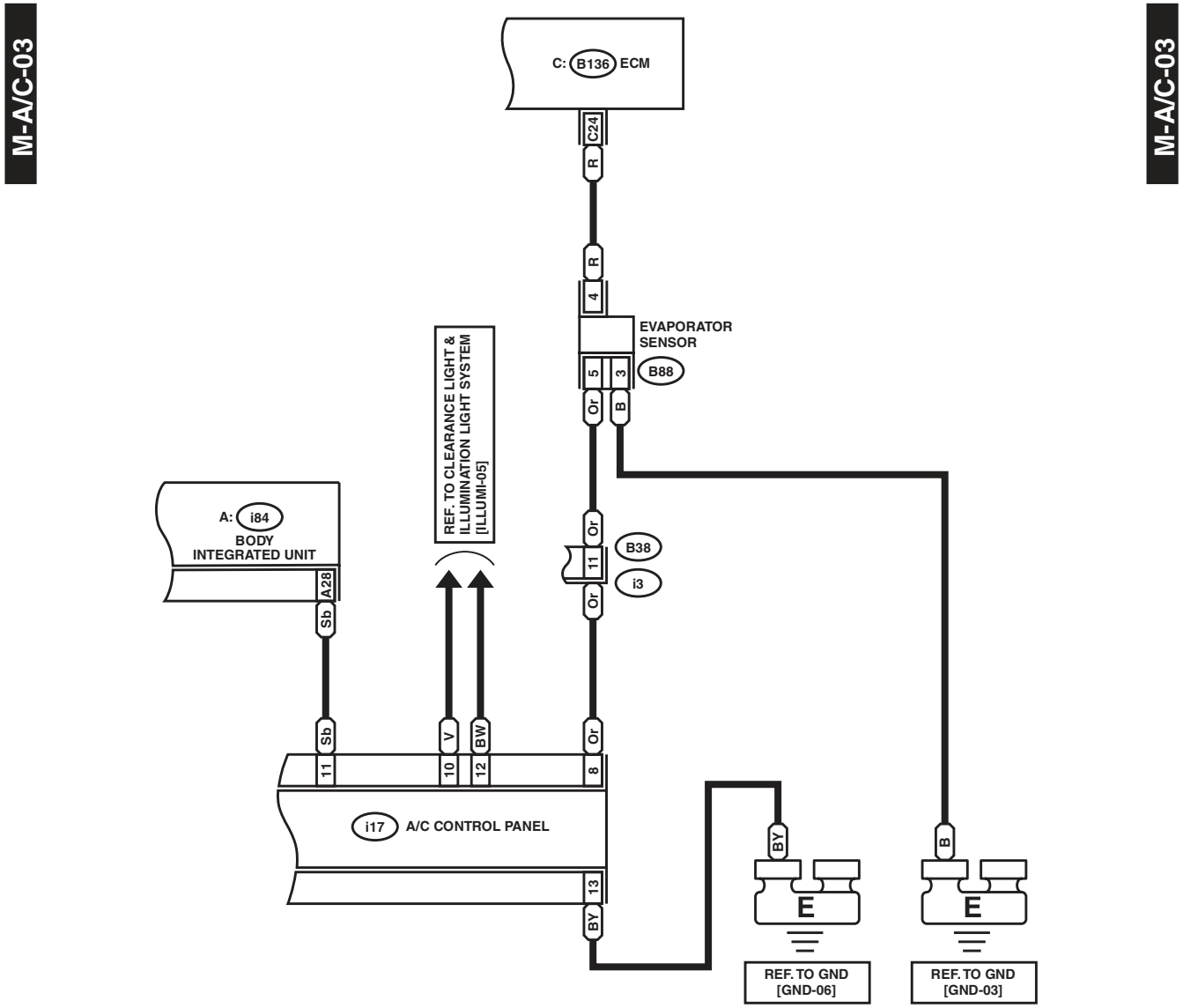
WIRING SYSTEM

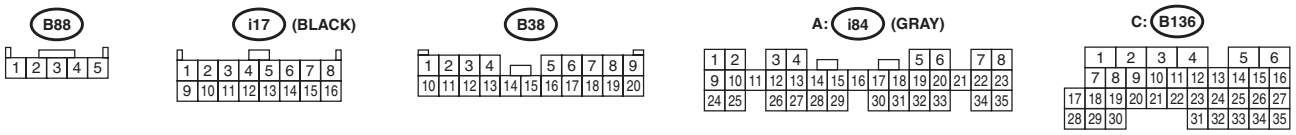




WI-22110

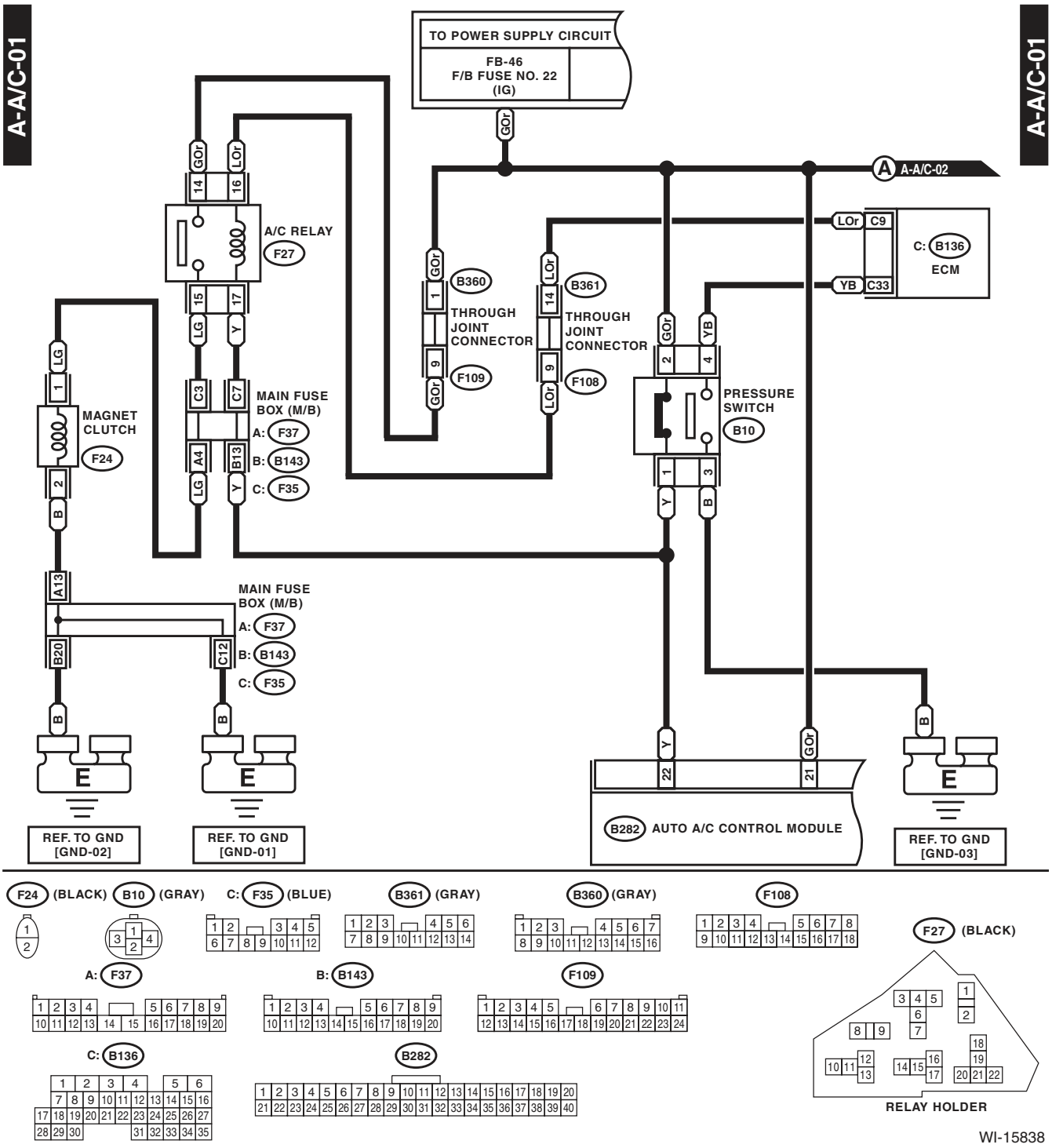
M-A/C-03



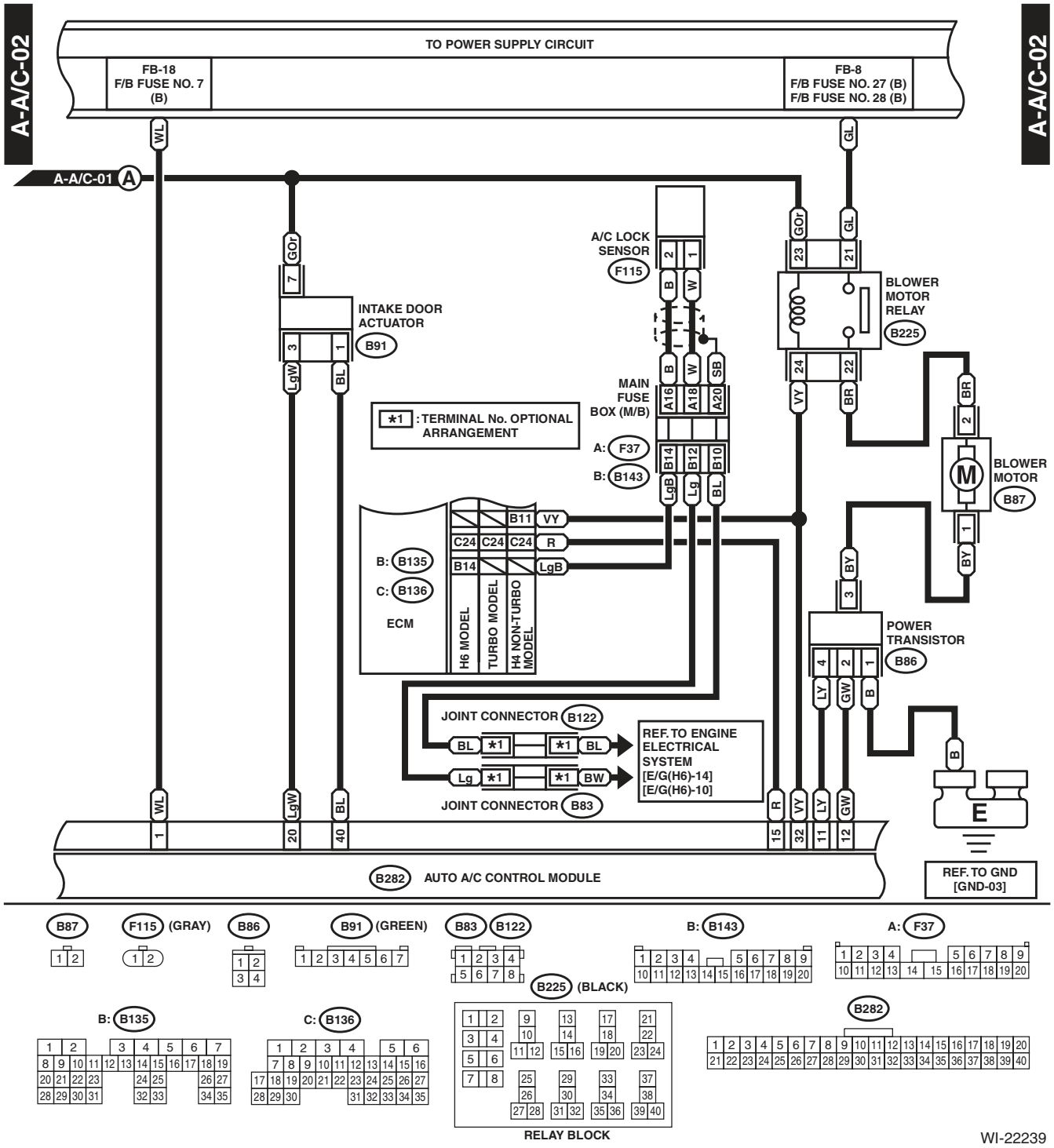


WI-22111

2. AUTO A/C MODEL

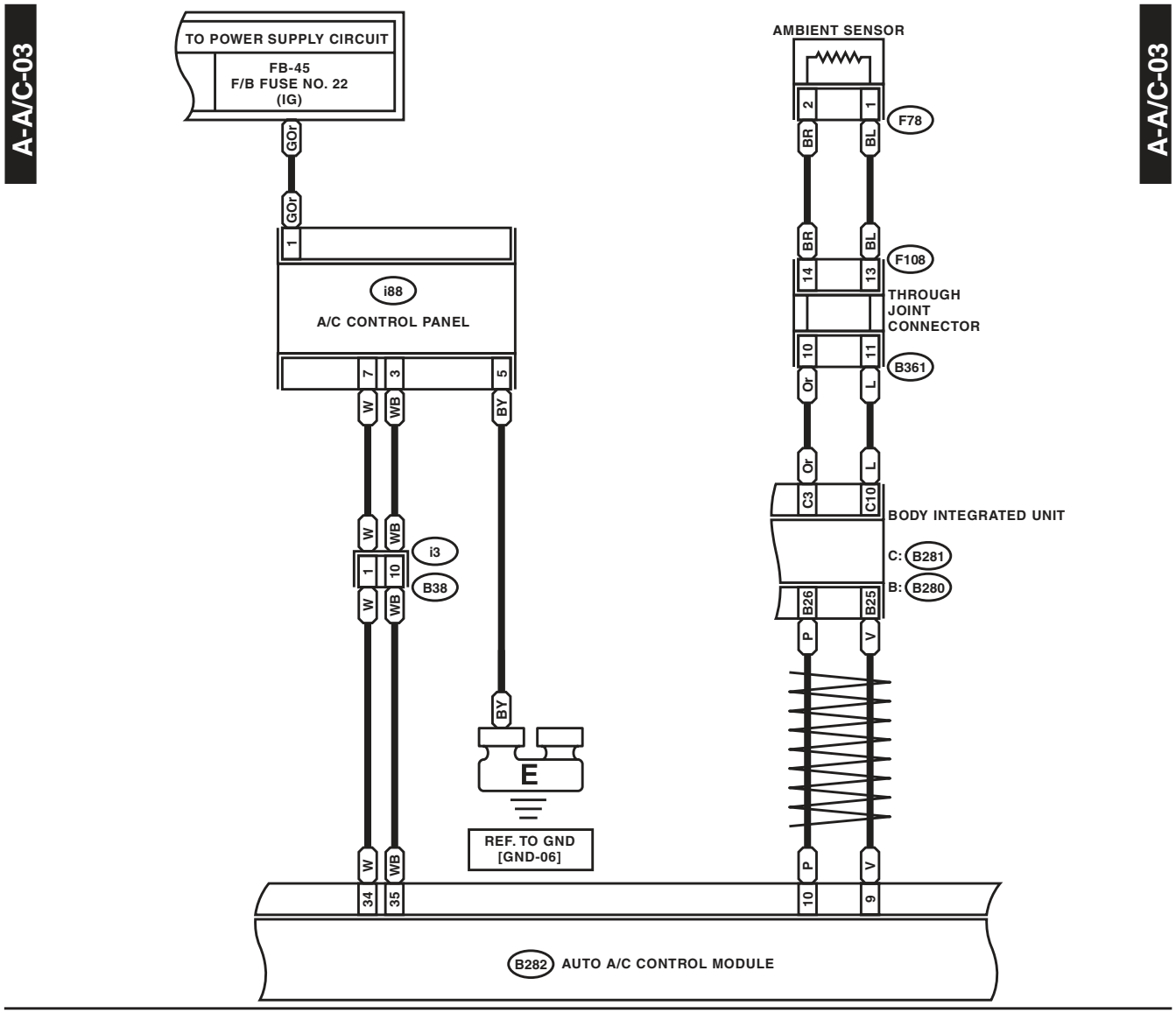


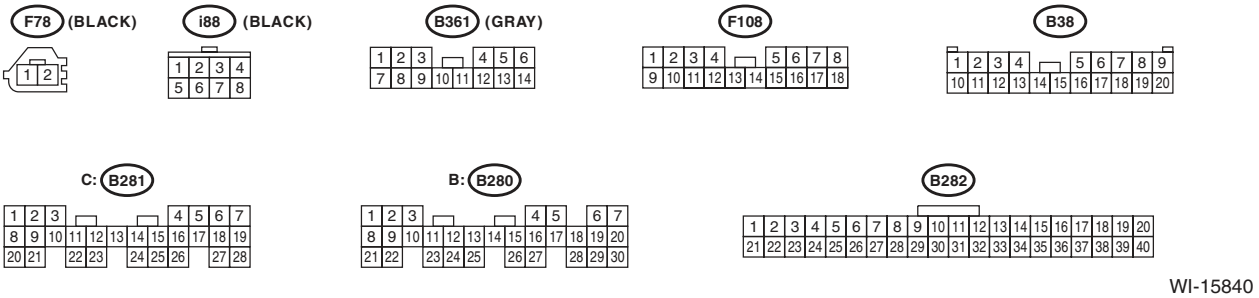
WI-15838


A-A/C-02
A-A/C-02
TO POWER SUPPLY CIRCUIT
FB-18
F/B FUSE NO. 7
(B)
FB-8
F/B FUSE NO. 27 (B)
F/B FUSE NO. 28 (B)
A-A/C-01 A
A/C LOCK SENSOR F115
INTAKE DOOR ACTUATOR B91
BLOWER MOTOR RELAY B225
MAIN FUSE BOX (M/B)
A: F37
B: B143
*1 : TERMINAL No. OPTIONAL ARRANGEMENT
BLOWER MOTOR B87
B: B135
C: B136
ECM
H6 MODEL
TURBO MODEL
H4 NON-TURBO MODEL
POWER TRANSISTOR B86
JOINT CONNECTOR B122
JOINT CONNECTOR B83
REF. TO ENGINE ELECTRICAL SYSTEM [E/G(H6)-14] [E/G(H6)-10]
B282 AUTO A/C CONTROL MODULE
REF. TO GND [GND-03]

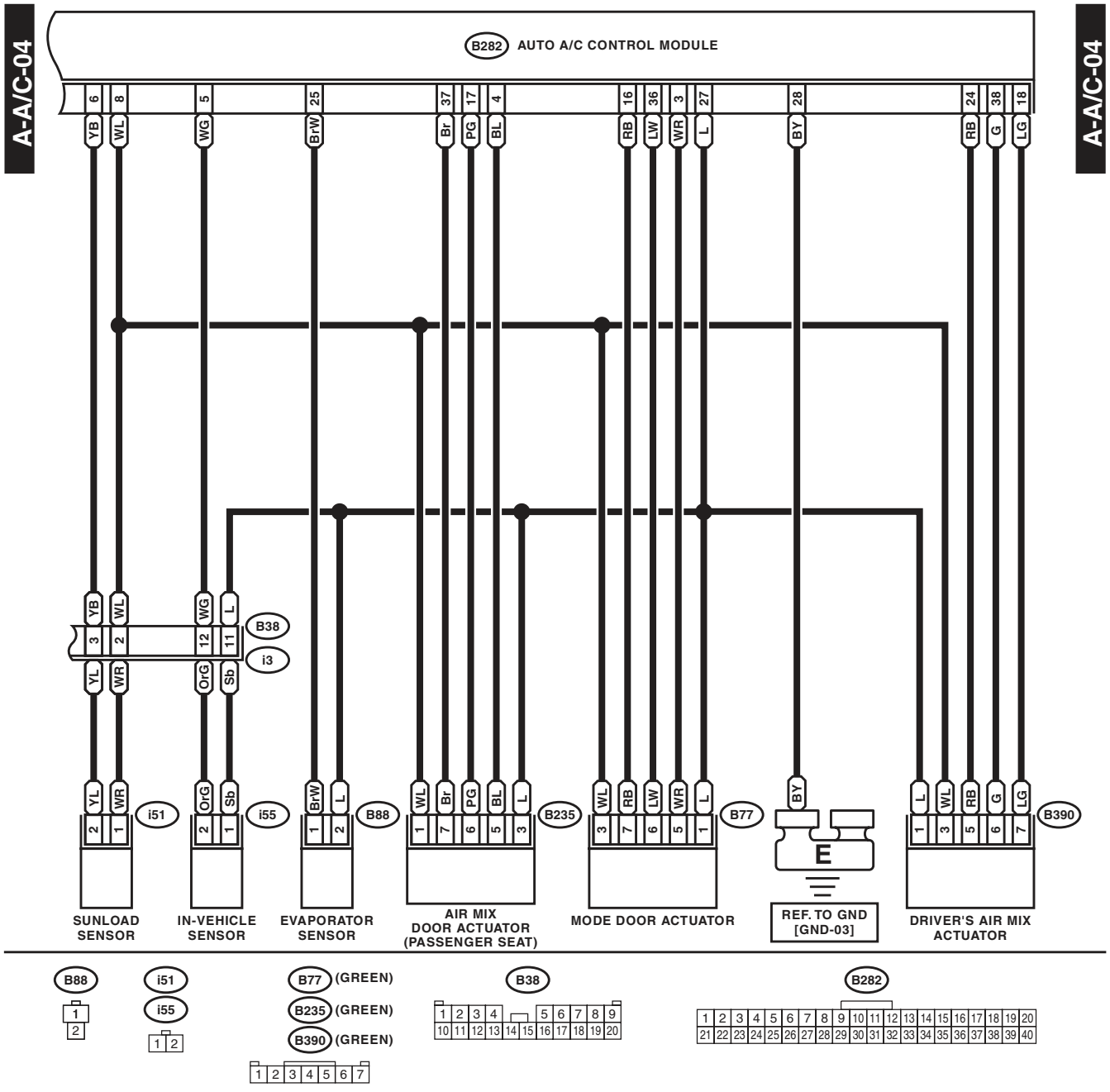
B87
F115 (GRAY)
B86
B91 (GREEN)
B83 B122
B: B143
A: F37
B225 (BLACK)
B: B135
C: B136
B282
RELAY BLOCK

WI-22239


A-A/C-03
A-A/C-03
TO POWER SUPPLY CIRCUIT
FB-45
F/B FUSE NO. 22
(IG)
GOr
GOr
1
i88
A/C CONTROL PANEL
7
3
5
W
WB
BY
W
WB
i3
1
10
B38
W
WB
BY
E
REF. TO GND
[GND-06]
W
WB
34
35
B282
AUTO A/C CONTROL MODULE
AMBIENT SENSOR
2
1
F78
BR
BL
BR
BL
F108
14
13
THROUGH
JOINT
CONNECTOR
10
11
B361
Or
L
Or
L
C3
C10
BODY INTEGRATED UNIT
C: B281
B: B280
B26
B25
P
V
P
V
10
9


F78 (BLACK)
i88 (BLACK)
B361 (GRAY)
F108
B38
C: B281
B: B280
B282

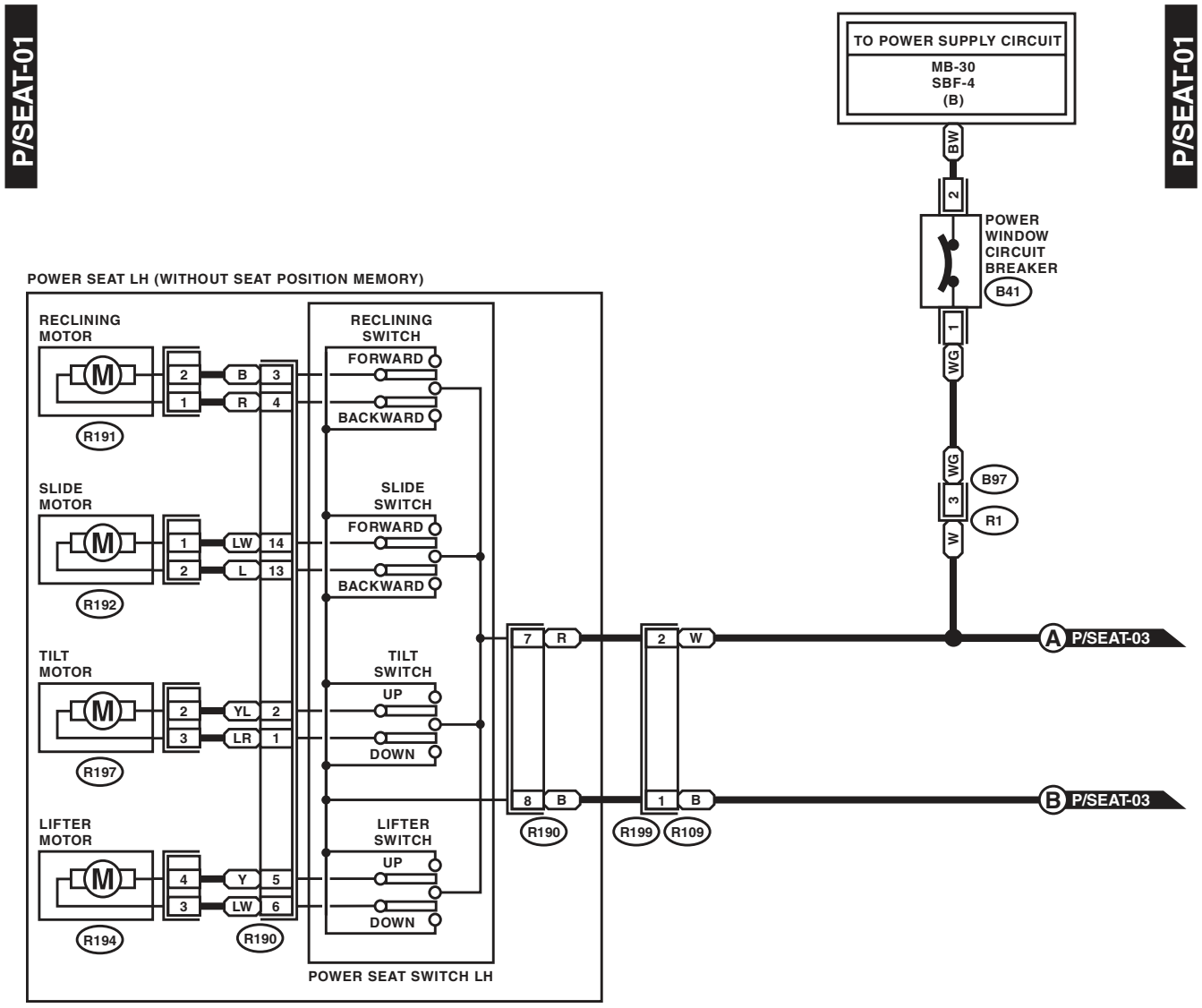
WI-15840

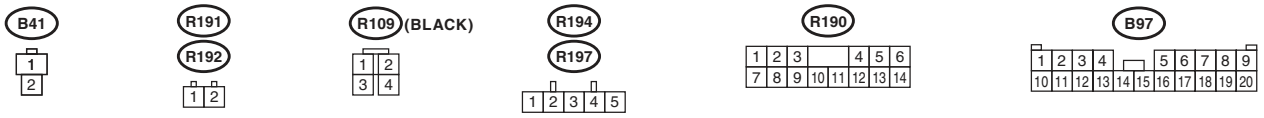

A-A/C-04
A-A/C-04
B282 AUTO A/C CONTROL MODULE
6 8 5 25 37 17 4 16 36 3 27 28 24 38 18
YB WL WG BrW Br PG BL RB LW WR L BY RB G LG
B38
i3
i51
i55
B88
B235
B77
B390
SUNLOAD SENSOR
IN-VEHICLE SENSOR
EVAPORATOR SENSOR
AIR MIX DOOR ACTUATOR (PASSENGER SEAT)
MODE DOOR ACTUATOR
REF. TO GND [GND-03]
DRIVER'S AIR MIX ACTUATOR
B88
i51
i55
B77 (GREEN)
B235 (GREEN)
B390 (GREEN)
B38
B282

WI-15841

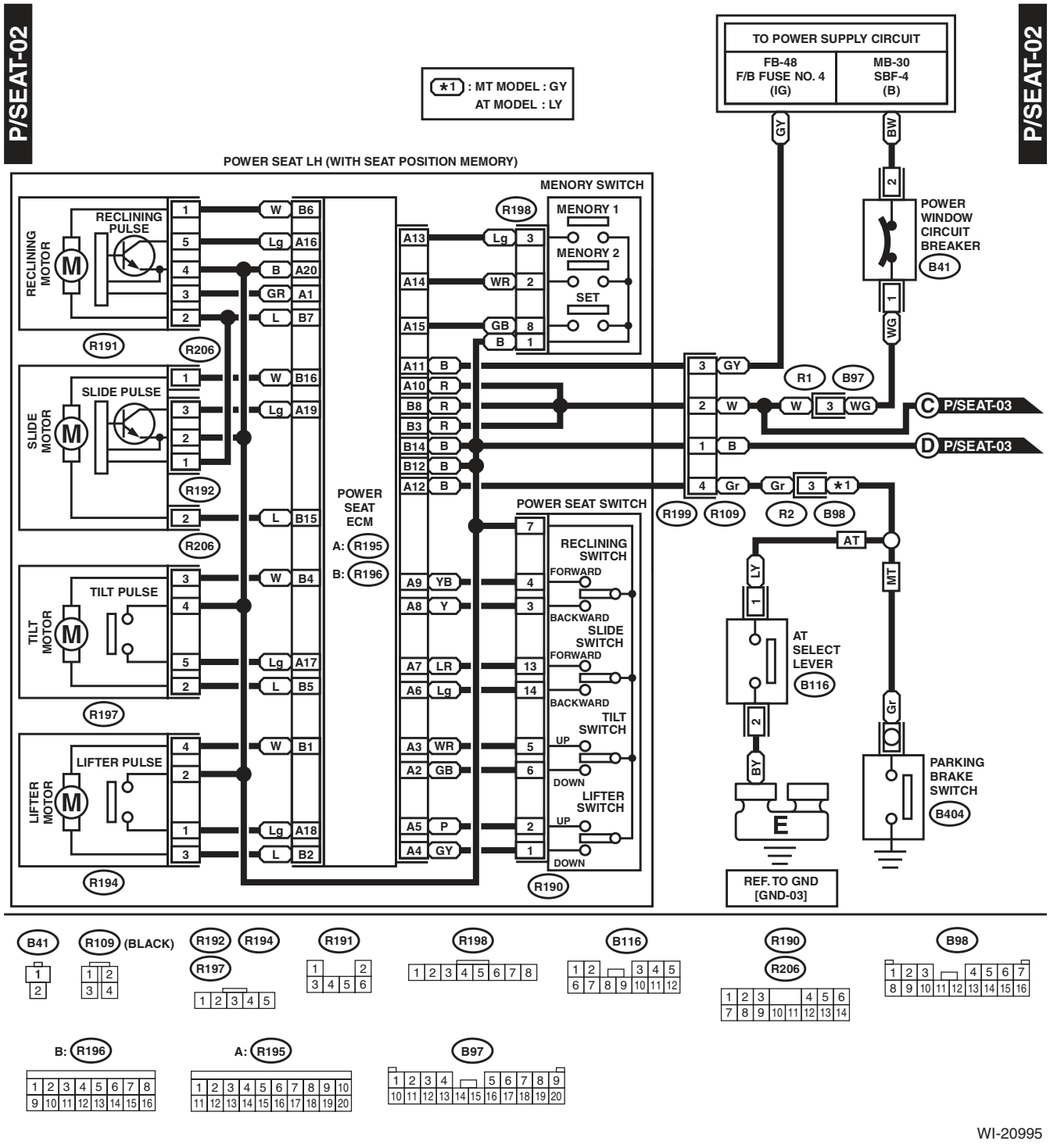
16. Power Seat System

A: WIRING DIAGRAM





WI-15842

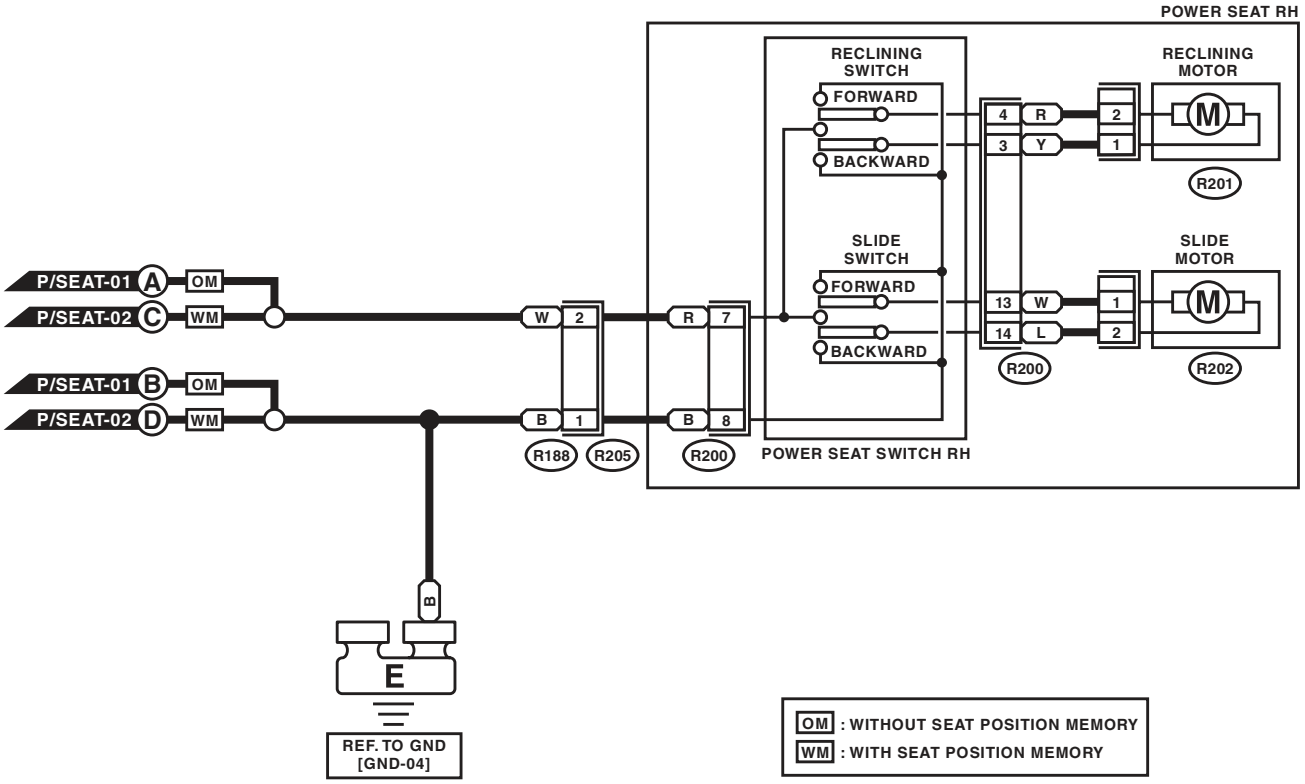

P/SEAT-02
P/SEAT-02
TO POWER SUPPLY CIRCUIT
FB-48
F/B FUSE NO. 4
(IG)
MB-30
SBF-4
(B)
*1 : MT MODEL : GY
AT MODEL : LY
POWER SEAT LH (WITH SEAT POSITION MEMORY)
MENORY SWITCH
MENORY 1
MENORY 2
SET
RECLINING MOTOR
RECLINING PULSE
SLIDE MOTOR
SLIDE PULSE
TILT MOTOR
TILT PULSE
LIFTER MOTOR
LIFTER PULSE
POWER SEAT ECM
A: R195
B: R196
POWER SEAT SWITCH
RECLINING SWITCH
FORWARD
BACKWARD
SLIDE SWITCH
FORWARD
BACKWARD
TILT SWITCH
UP
DOWN
LIFTER SWITCH
UP
DOWN
POWER WINDOW CIRCUIT BREAKER
B41
AT SELECT LEVER
B116
PARKING BRAKE SWITCH
B404
REF. TO GND [GND-03]
C P/SEAT-03
D P/SEAT-03
R191
R206
R192
R197
R194
R198
R199
R109
R1
R2
B97
B98
R190

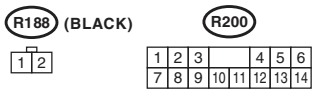
B41
R109 (BLACK)
R192
R194
R197
R191
R198
B116
R190
R206
B98
B: R196
A: R195
B97

WI-20995

P/SEAT-03

P/SEAT-03

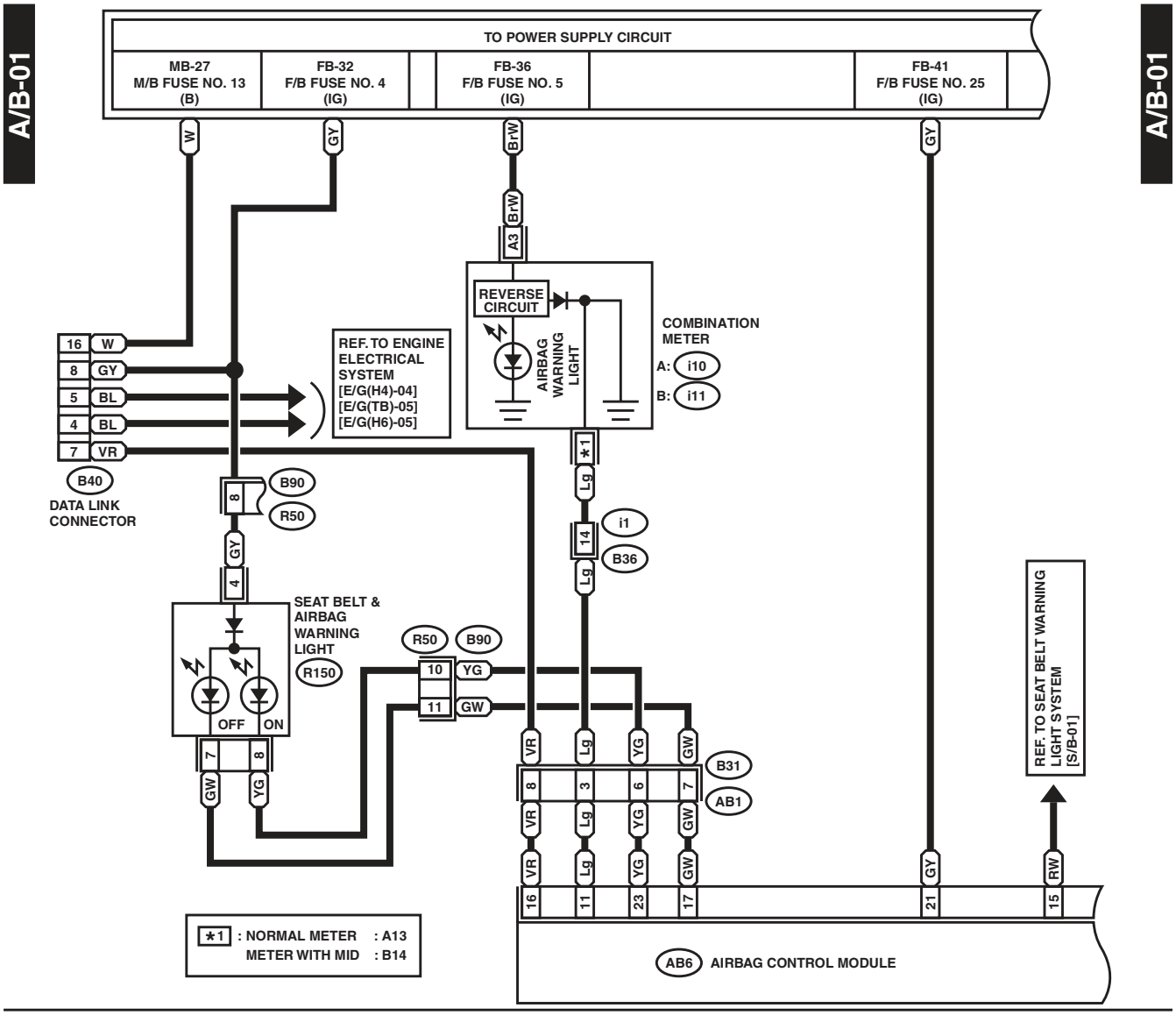


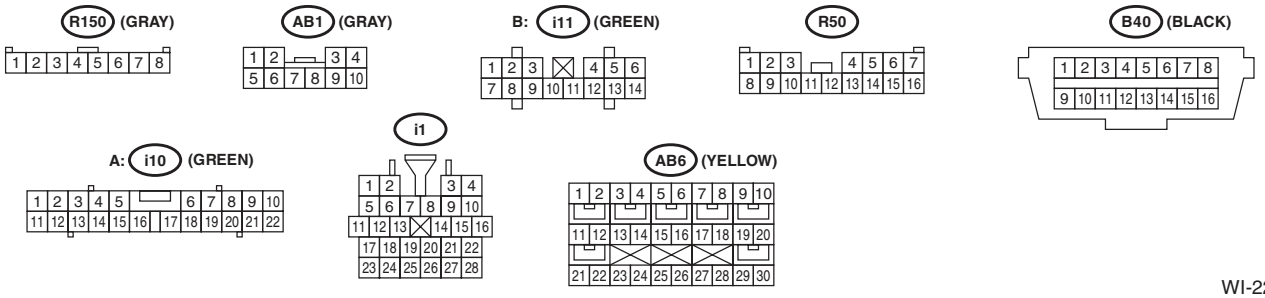


WI-15844

17. Airbag System

A: WIRING DIAGRAM

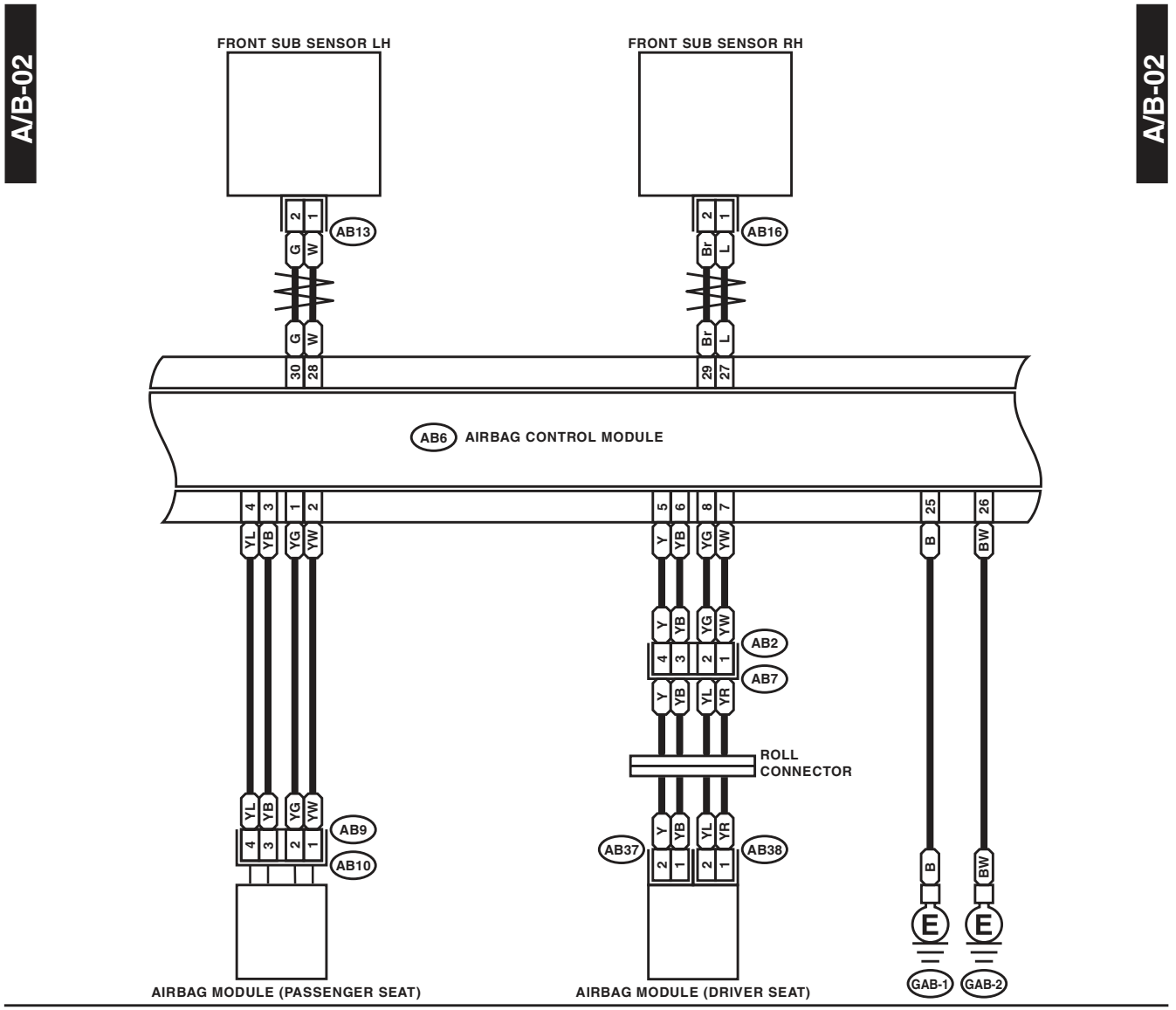




WI-22112

WIRING SYSTEM

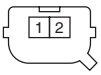
A/B-02



AB37 (ORANGE)

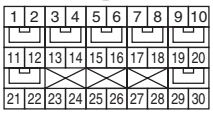
AB38 (BLACK)

AB13 (YELLOW)
AB16 (YELLOW)

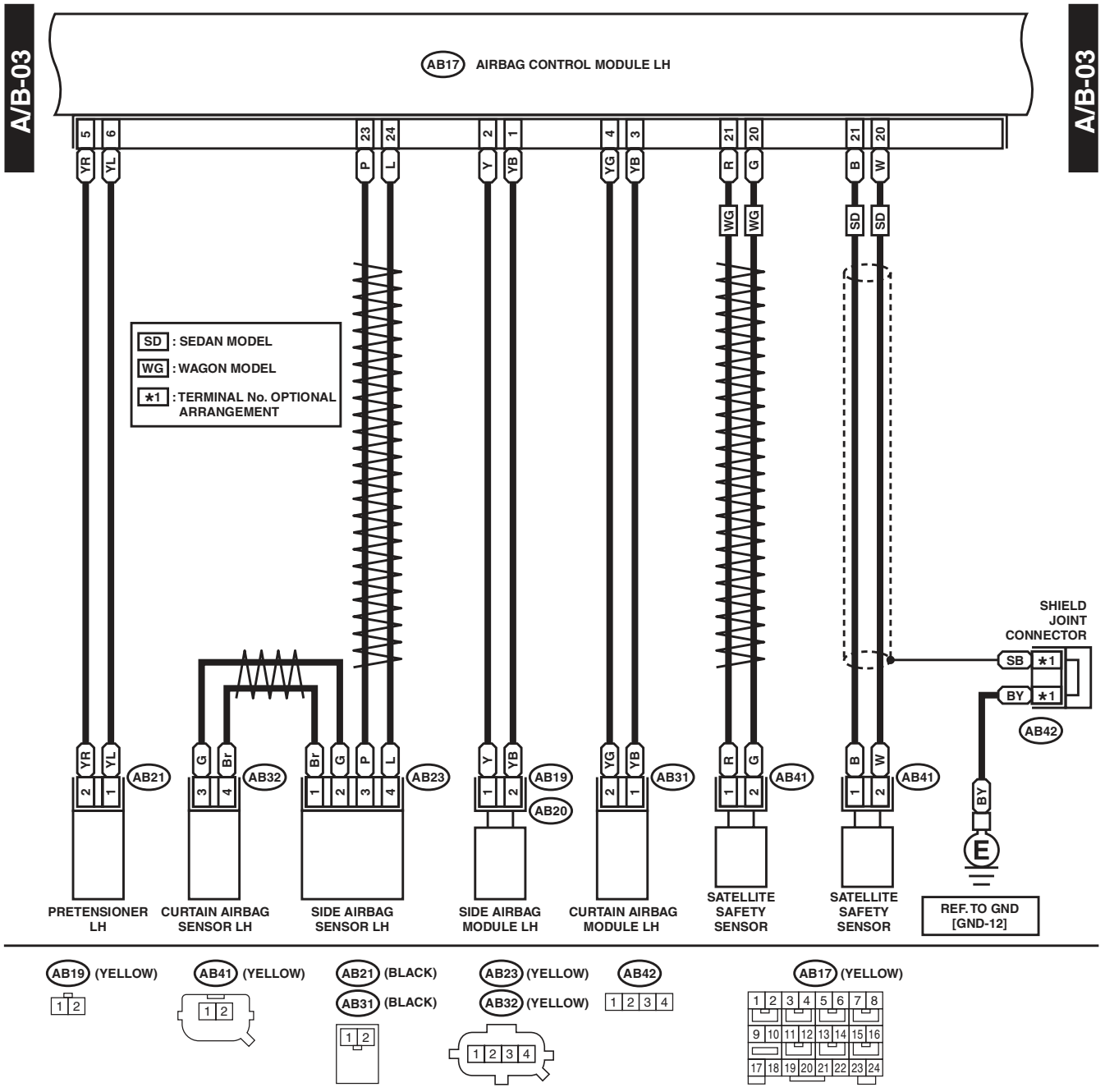


AB2 (YELLOW)
AB9 (YELLOW)

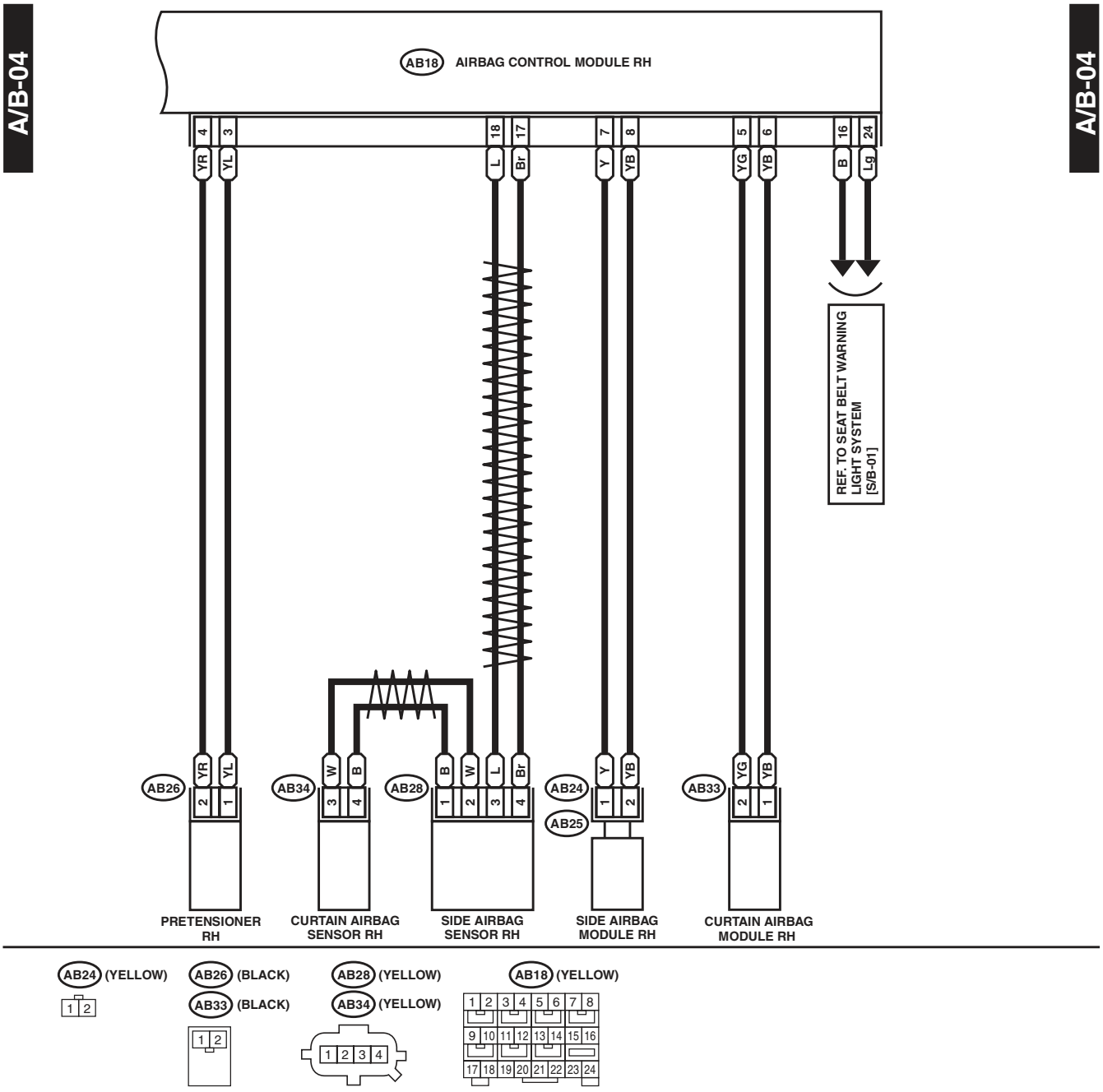
AB6 (YELLOW)



WI-15846


A/B-03
A/B-03
AB17 AIRBAG CONTROL MODULE LH
5 6 23 24 2 1 4 3 21 20 21 20
YR YL P L Y YB YG YB R G B W
WG WG SD SD
SD : SEDAN MODEL
WG : WAGON MODEL
*1 : TERMINAL No. OPTIONAL ARRANGEMENT
SHIELD JOINT CONNECTOR
SB *1
BY *1
AB42
AB21 AB32 AB23 AB19 AB20 AB31 AB41 AB41
BY
PRETENSIONER LH
CURTAIN AIRBAG SENSOR LH
SIDE AIRBAG SENSOR LH
SIDE AIRBAG MODULE LH
CURTAIN AIRBAG MODULE LH
SATELLITE SAFETY SENSOR
SATELLITE SAFETY SENSOR
REF. TO GND [GND-12]
AB19 (YELLOW)
AB41 (YELLOW)
AB21 (BLACK)
AB31 (BLACK)
AB23 (YELLOW)
AB32 (YELLOW)
AB42
AB17 (YELLOW)

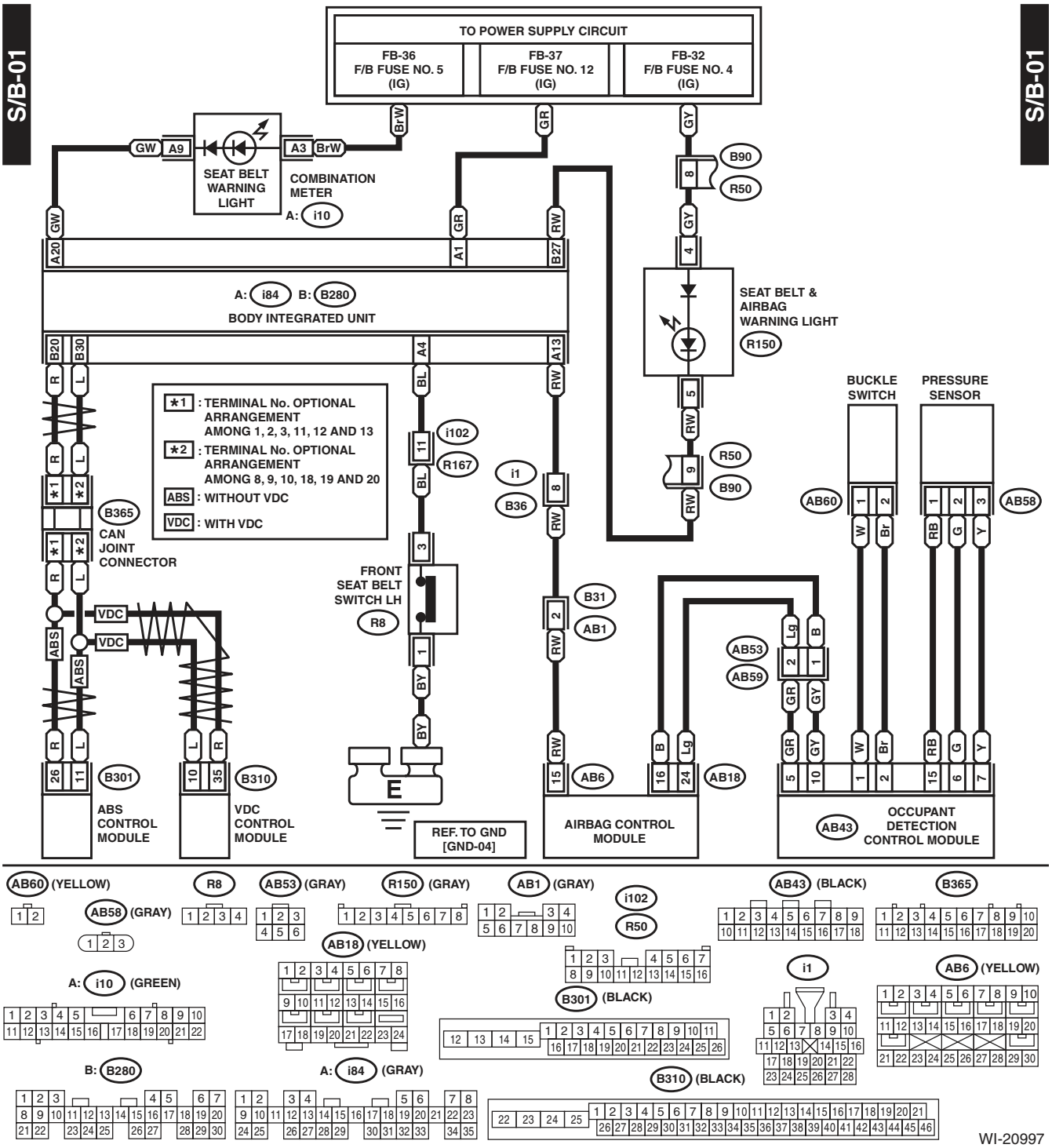
WI-22113


A/B-04
A/B-04
AB18 AIRBAG CONTROL MODULE RH
4 3 18 17 7 8 5 6 16 24
YR YL L Br Y YB YG YB B Lg
REF. TO SEAT BELT WARNING LIGHT SYSTEM [S/B-01]
AB26 YR YL 2 1
AB34 W B 3 4
AB28 B W L Br 1 2 3 4
AB24 Y YB 1 2
AB25
AB33 YG YB 2 1
PRETENSIONER RH
CURTAIN AIRBAG SENSOR RH
SIDE AIRBAG SENSOR RH
SIDE AIRBAG MODULE RH
CURTAIN AIRBAG MODULE RH
AB24 (YELLOW)
1 2
AB26 (BLACK)
AB33 (BLACK)
1 2
AB28 (YELLOW)
AB34 (YELLOW)
1 2 3 4
AB18 (YELLOW)
1 2 3 4 5 6 7 8
9 10 11 12 13 14 15 16
17 18 19 20 21 22 23 24

WI-22114

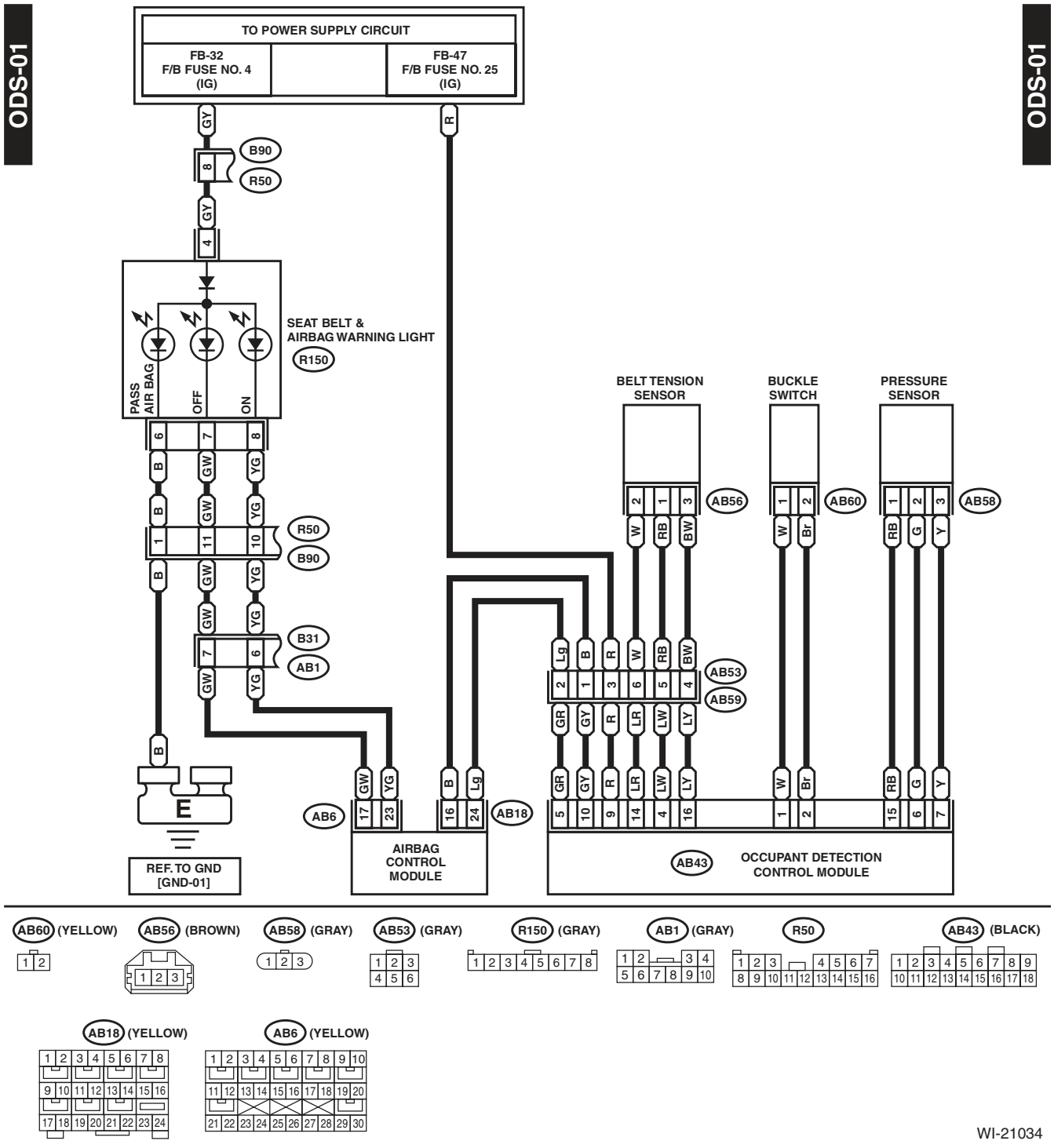
18.Seat Belt Warning System

A: WIRING DIAGRAM



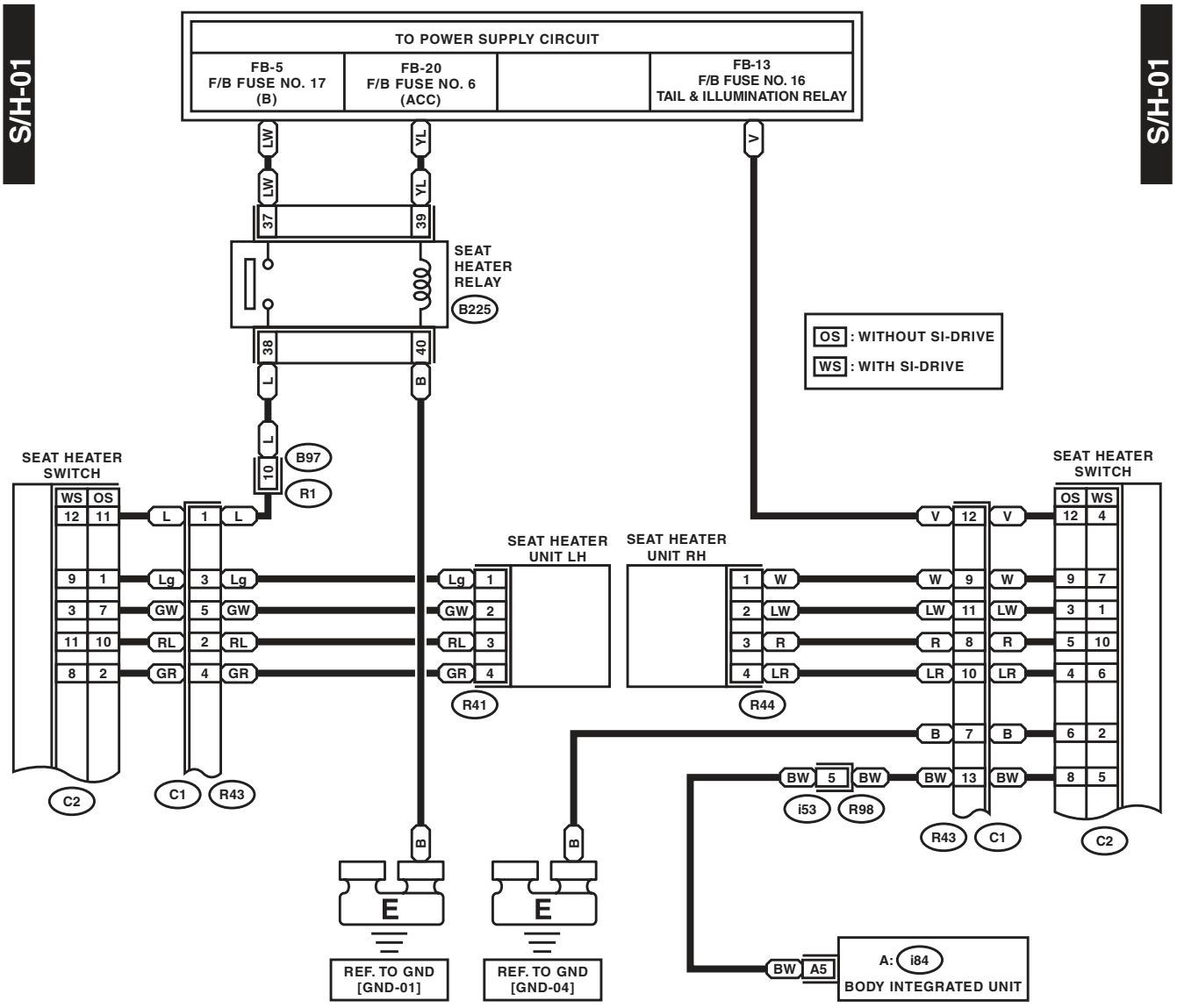
19. Occupant Detection System

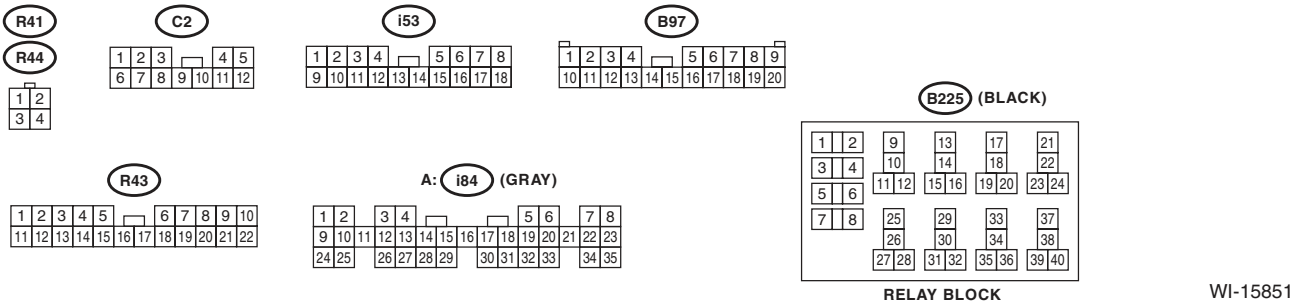
A: WIRING DIAGRAM



20.Seat Heater System

A: WIRING DIAGRAM

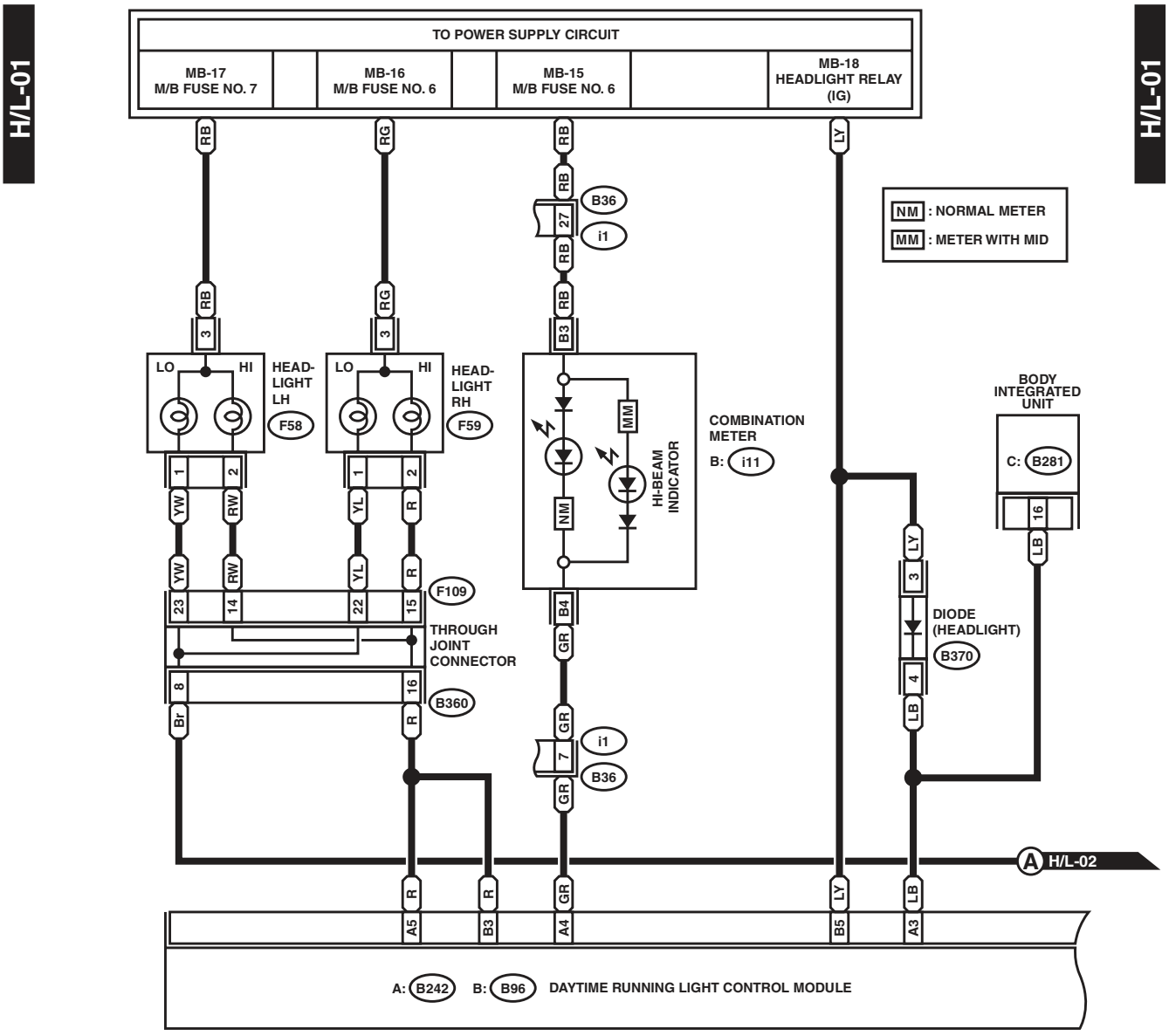


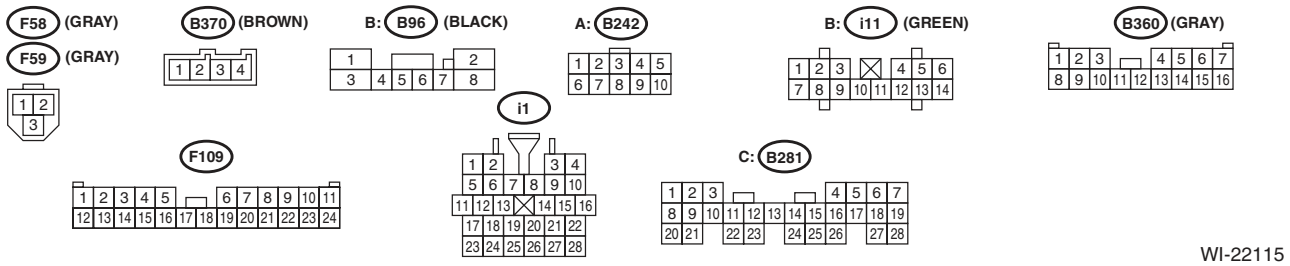


WI-15851

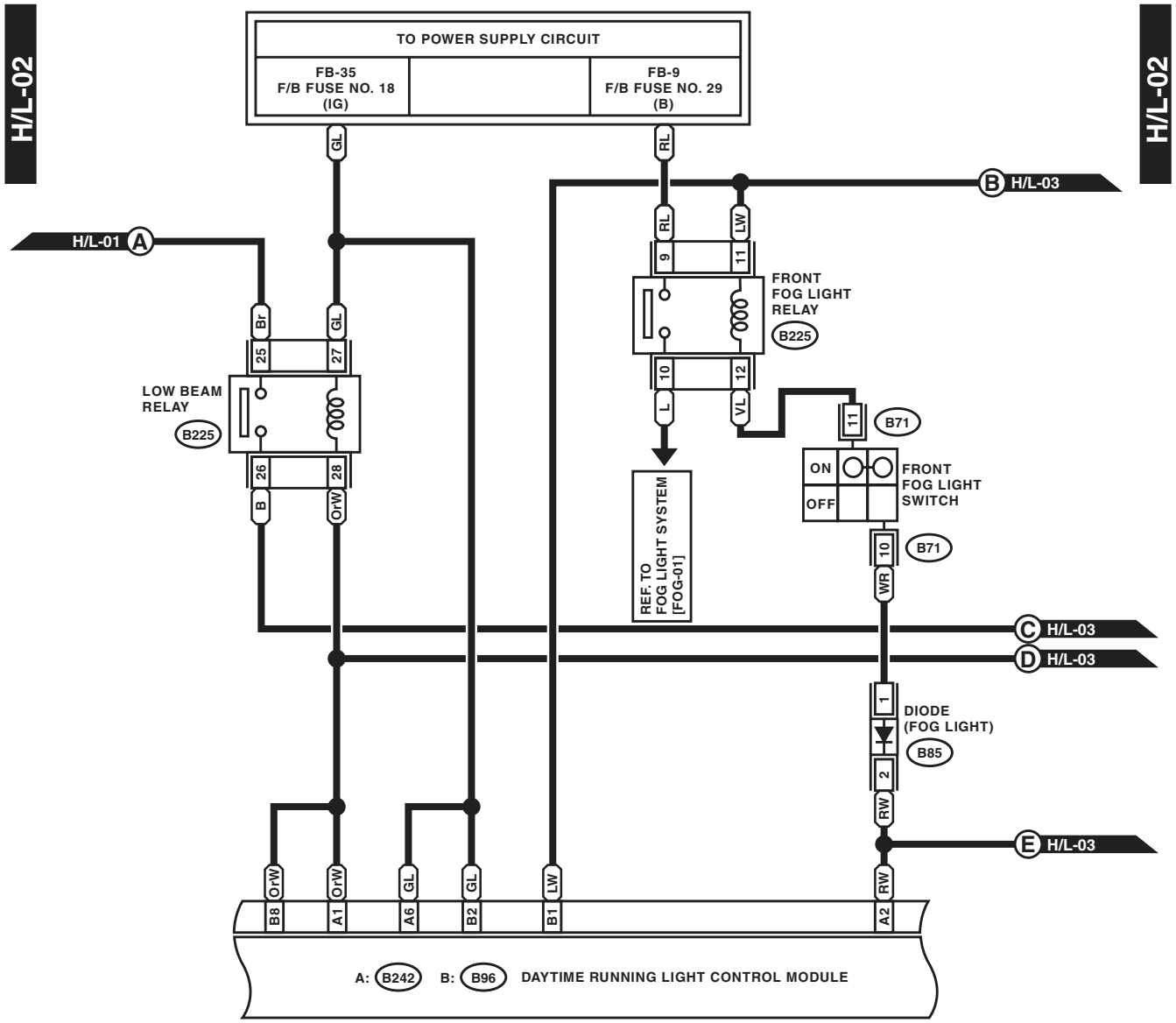
21.Headlight System

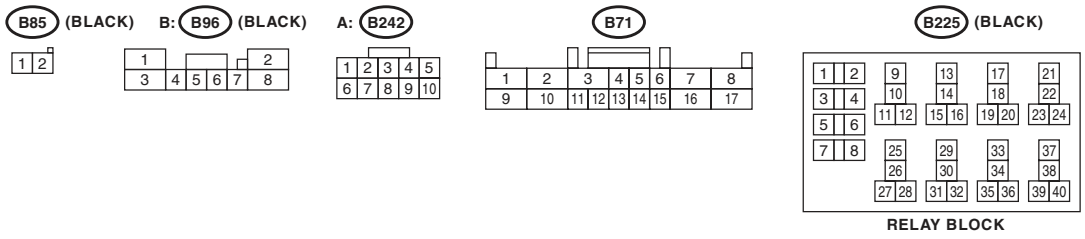
A: WIRING DIAGRAM





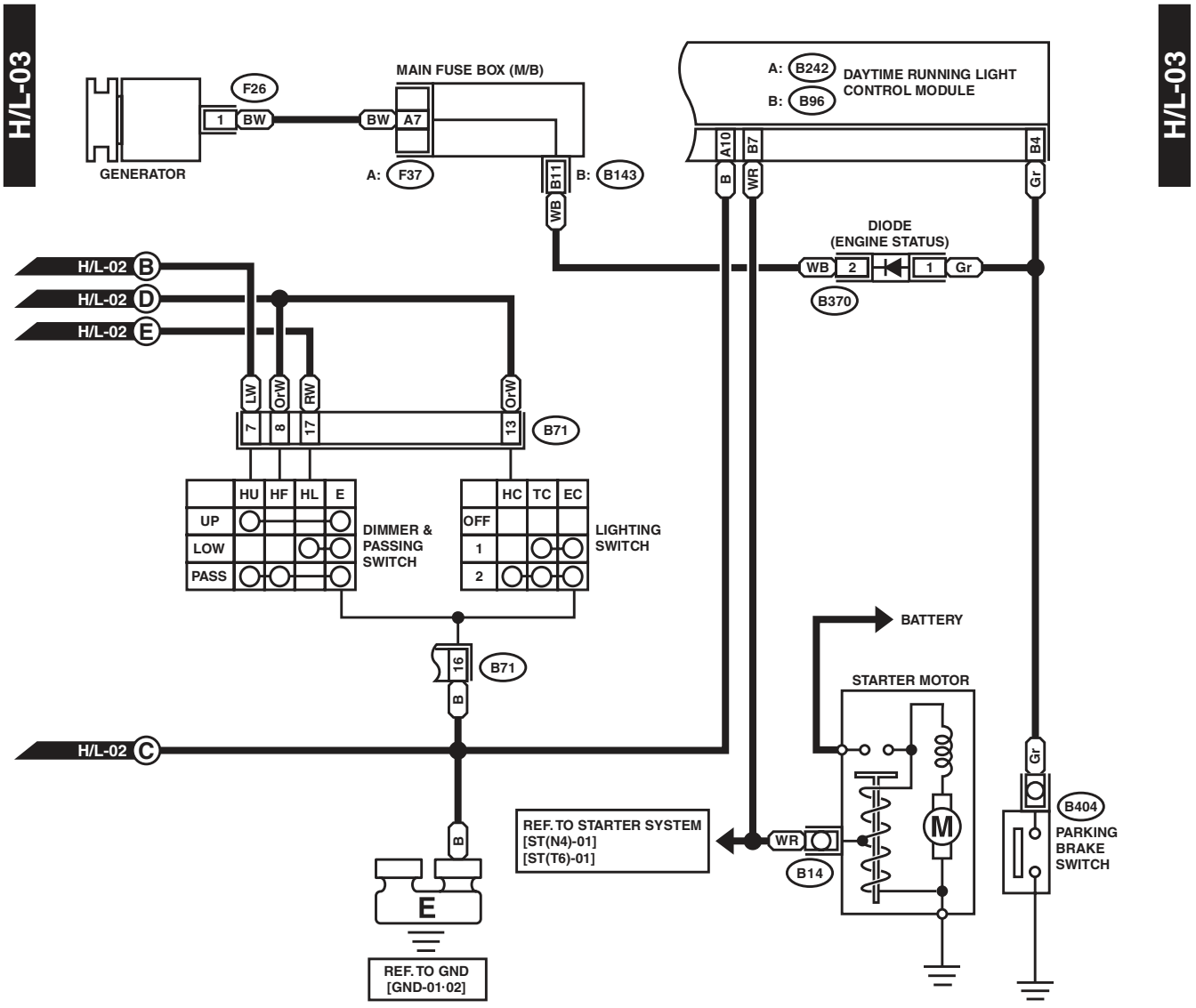
WI-22115

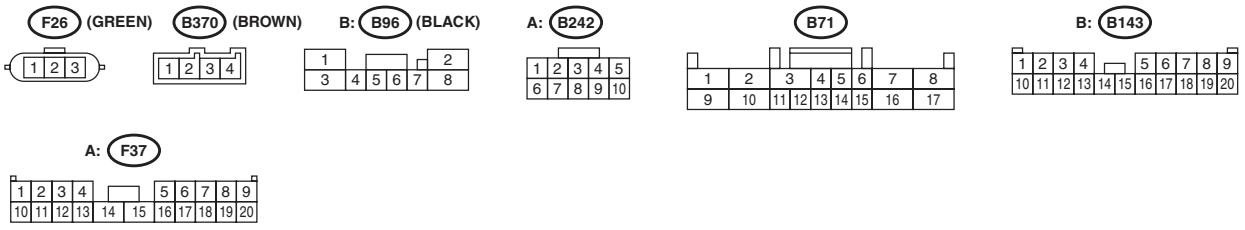

H/L-02
H/L-02
TO POWER SUPPLY CIRCUIT
FB-35
F/B FUSE NO. 18
(IG)
FB-9
F/B FUSE NO. 29
(B)
GL
RL
B H/L-03
H/L-01 A
RL
LW
9
11
FRONT
FOG LIGHT
RELAY
B225
Br
GL
25
27
10
12
LOW BEAM
RELAY
B225
L
VL
11
B71
ON
OFF
FRONT
FOG LIGHT
SWITCH
26
28
B
OrW
REF. TO
FOG LIGHT SYSTEM
[FOG-01]
10
B71
WR
C H/L-03
D H/L-03
1
DIODE
(FOG LIGHT)
B85
2
RW
E H/L-03
OrW
OrW
GL
GL
LW
RW
B8
A1
A6
B2
B1
A2
A: B242 B: B96 DAYTIME RUNNING LIGHT CONTROL MODULE


B85 (BLACK)
B: B96 (BLACK)
A: B242
B71
B225 (BLACK)
RELAY BLOCK

WI-16203

WIRING SYSTEM

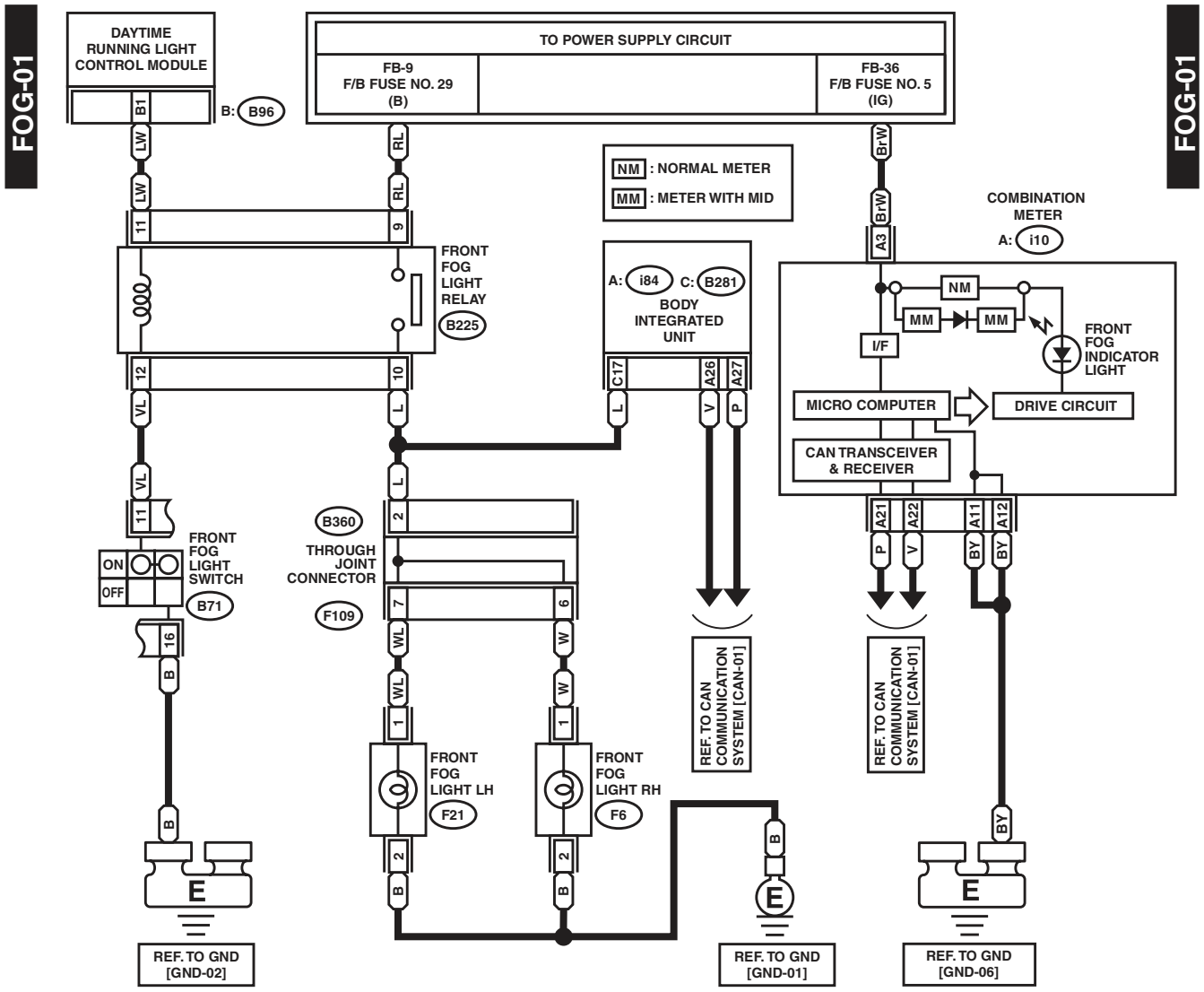


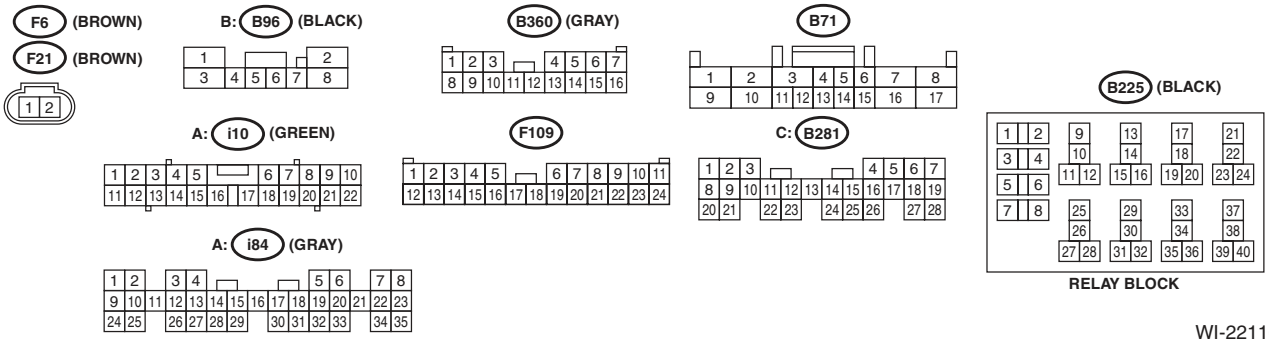


WI-20998

22. Front Fog Light System

A: WIRING DIAGRAM

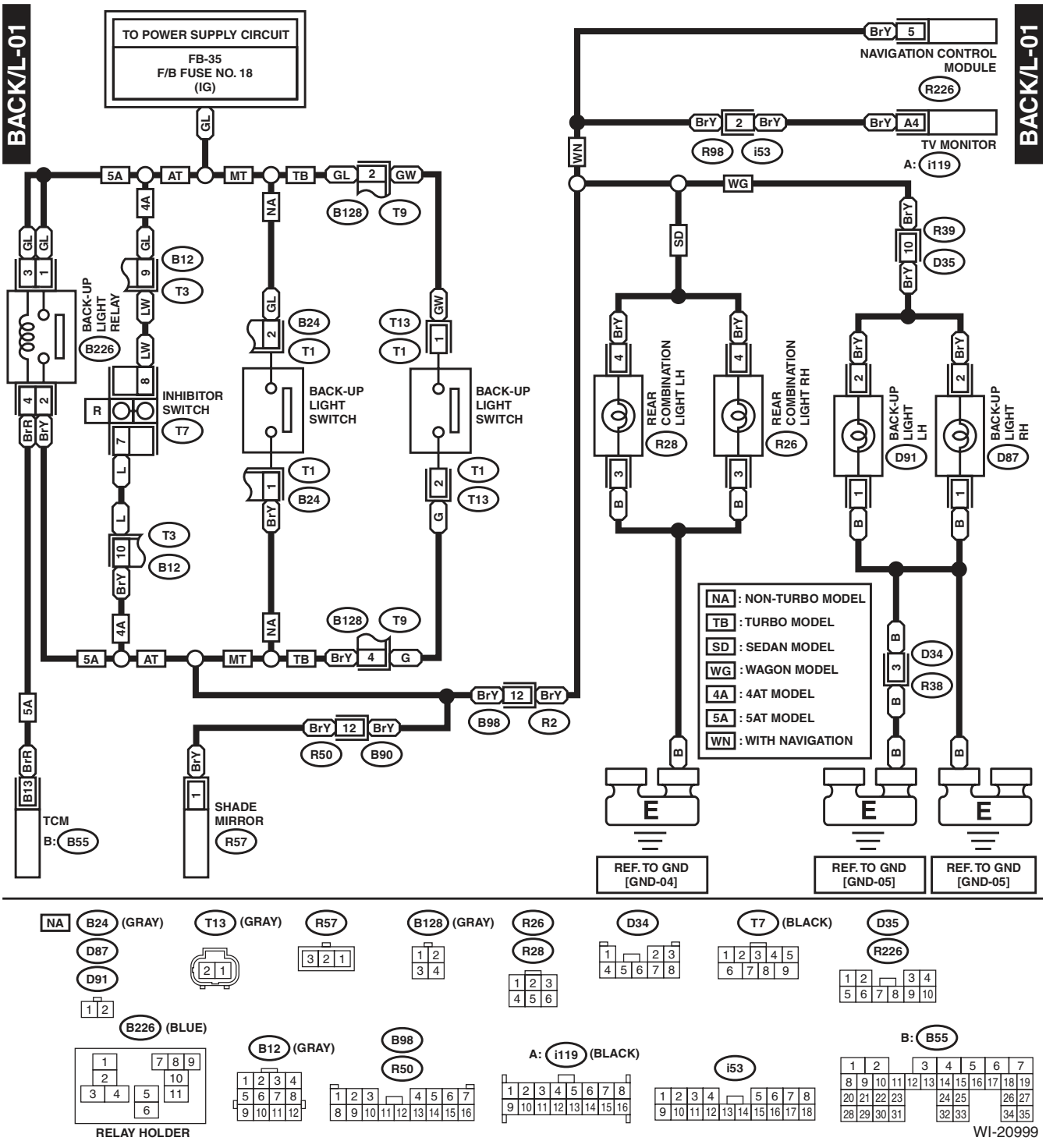




WI-22116

23. Back-up Light System

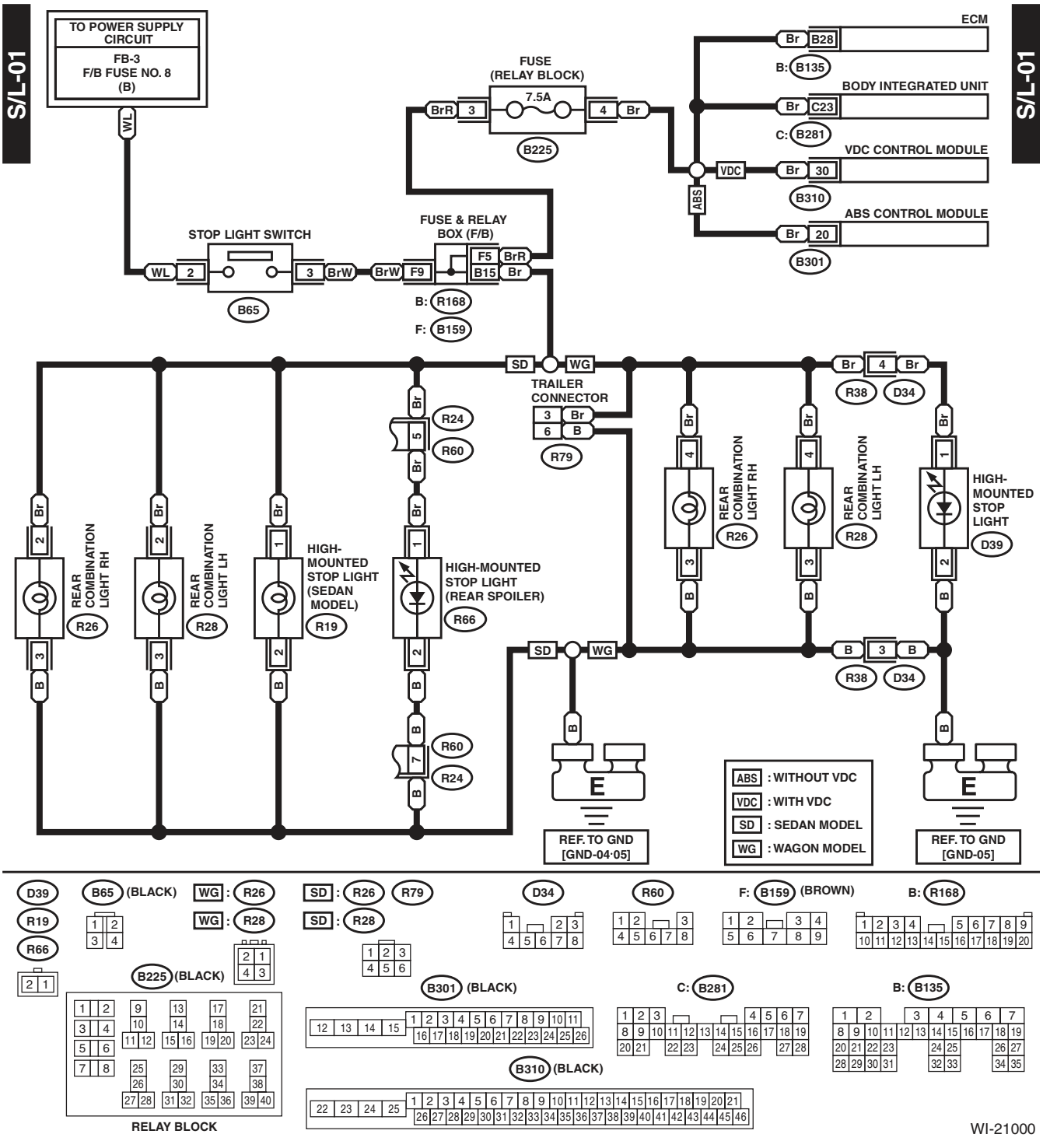
A: WIRING DIAGRAM



WI-20999

24.Stop Light System

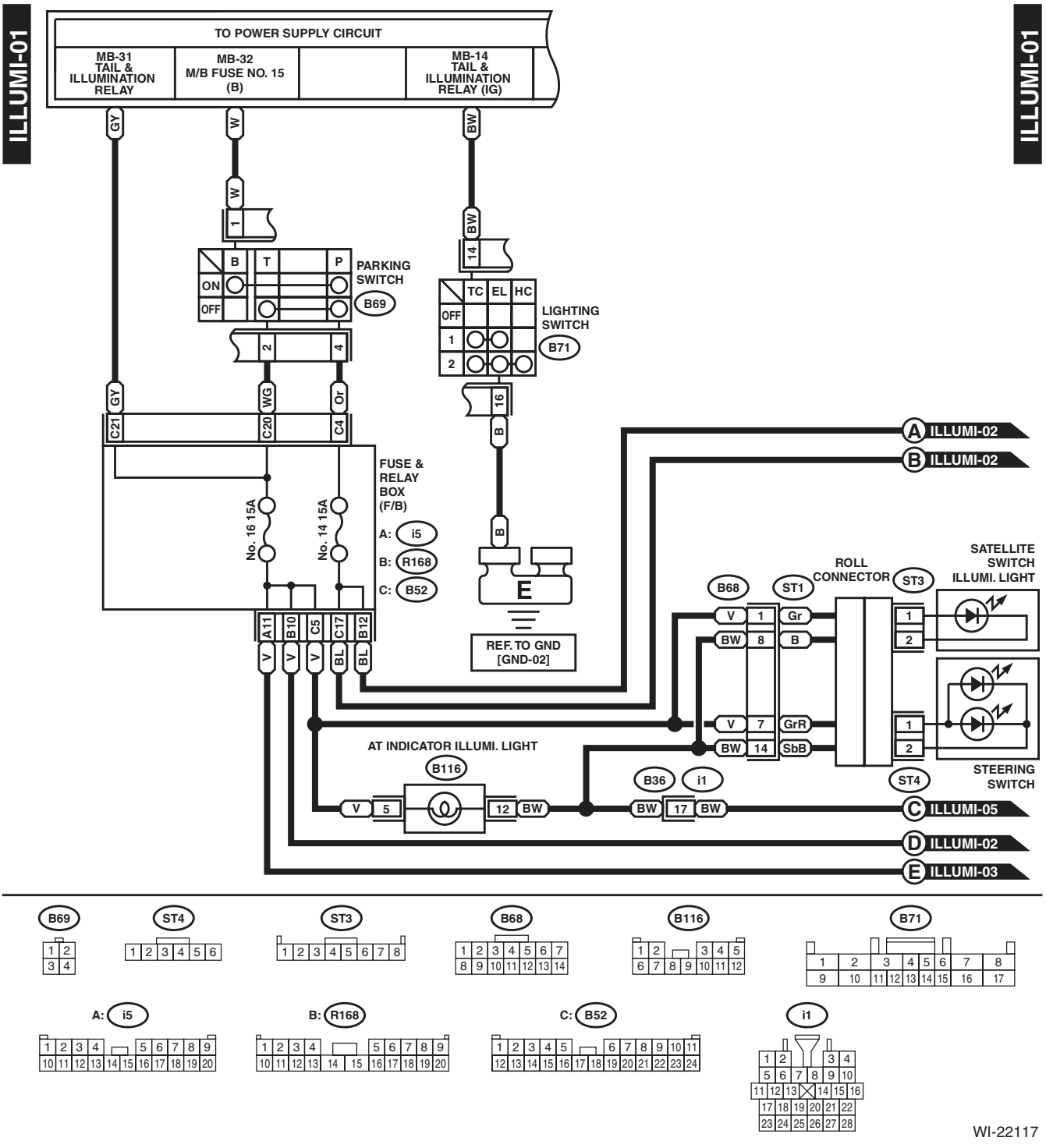
A: WIRING DIAGRAM



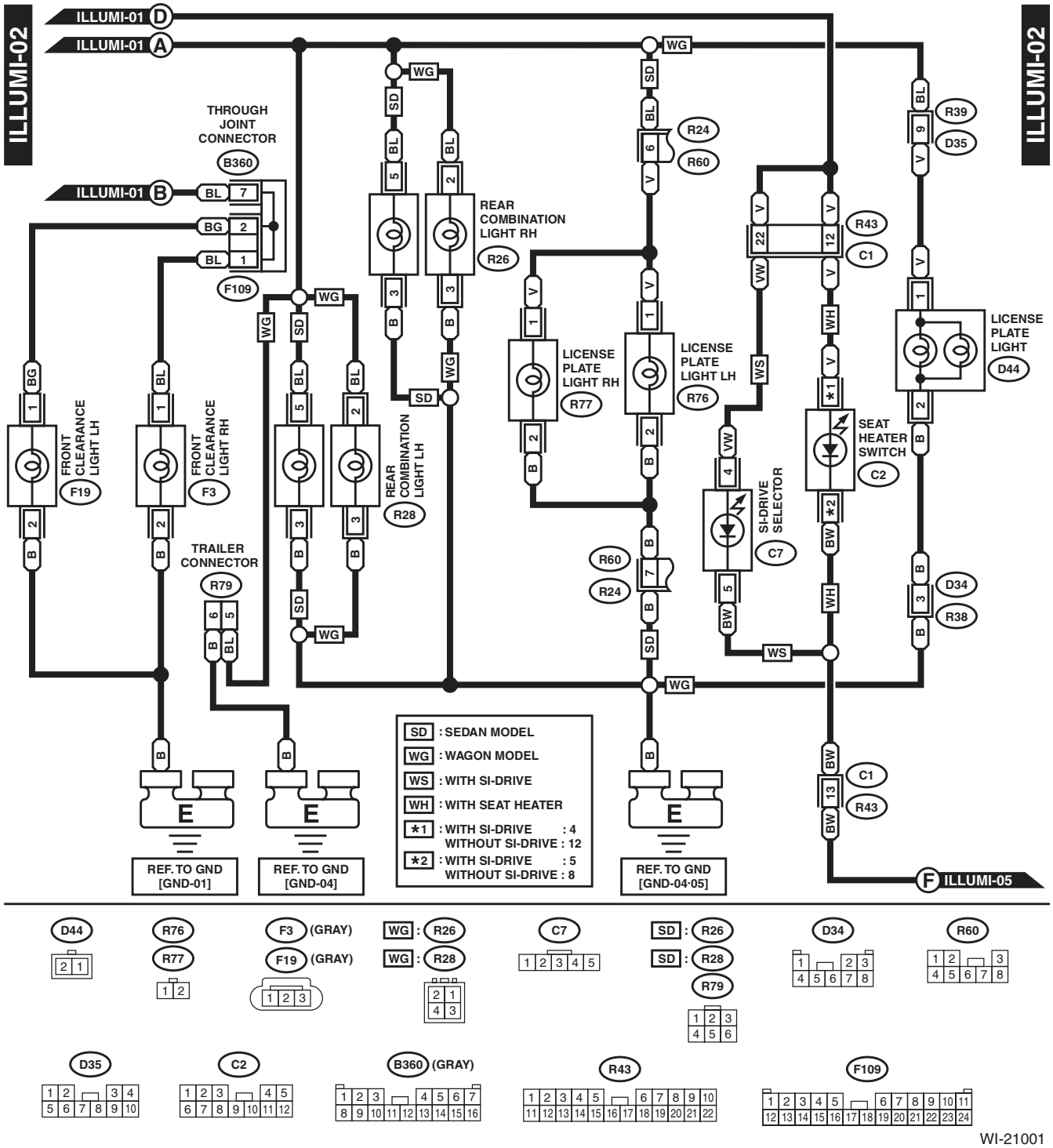
WI-21000

25. Clearance Light and Illumination Light System

A: WIRING DIAGRAM



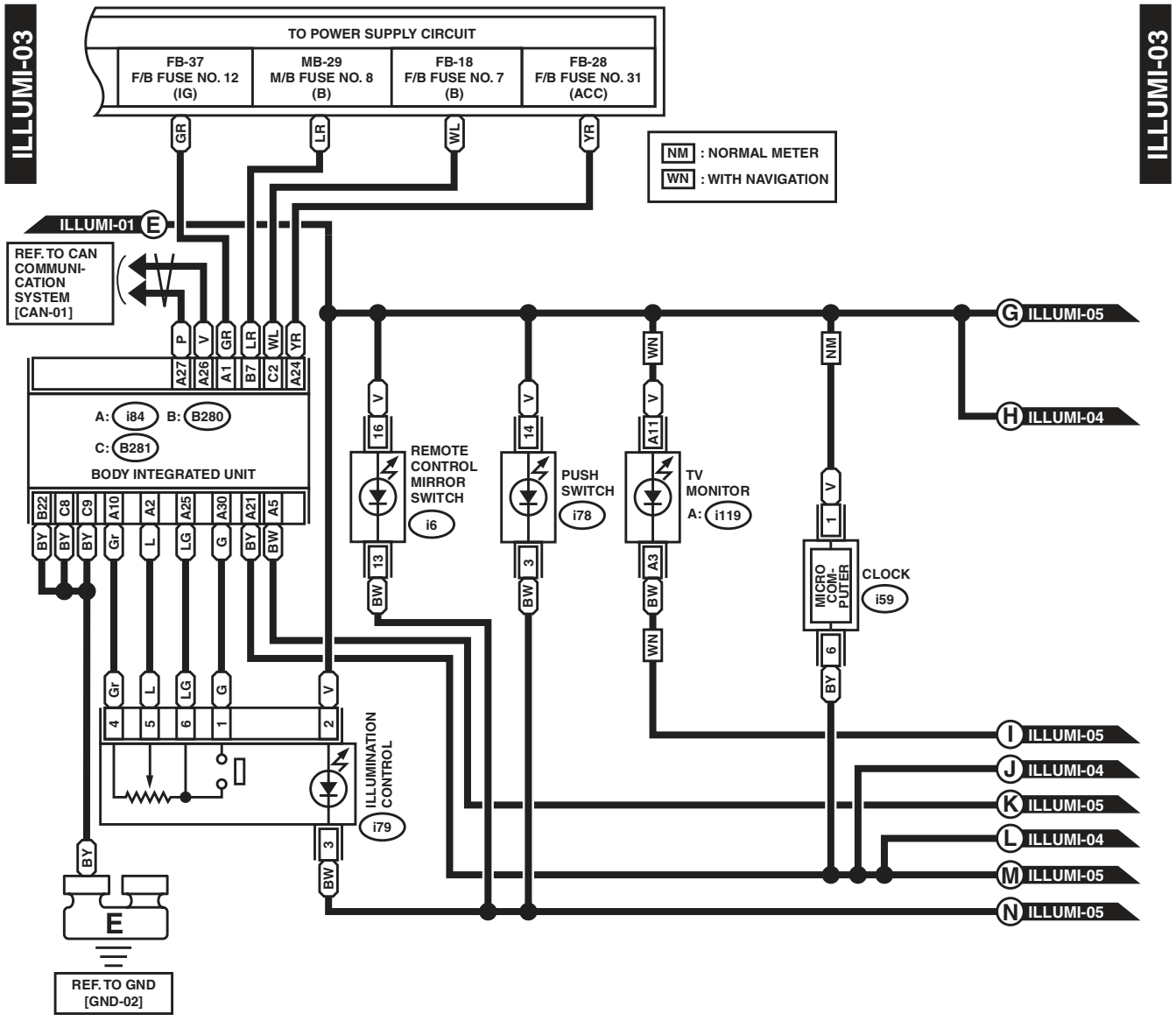
Clearance Light and Illumination Light System

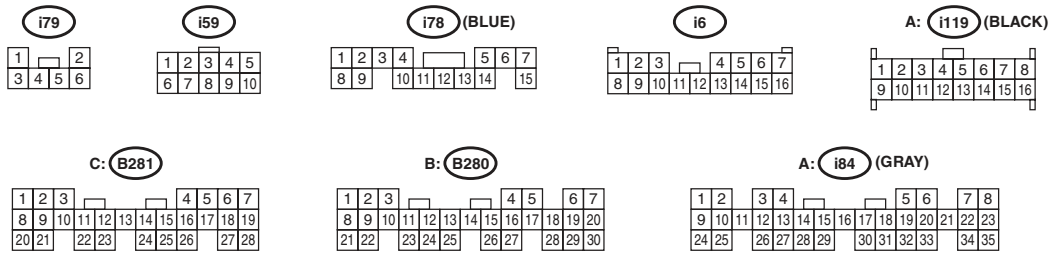


WI-21001

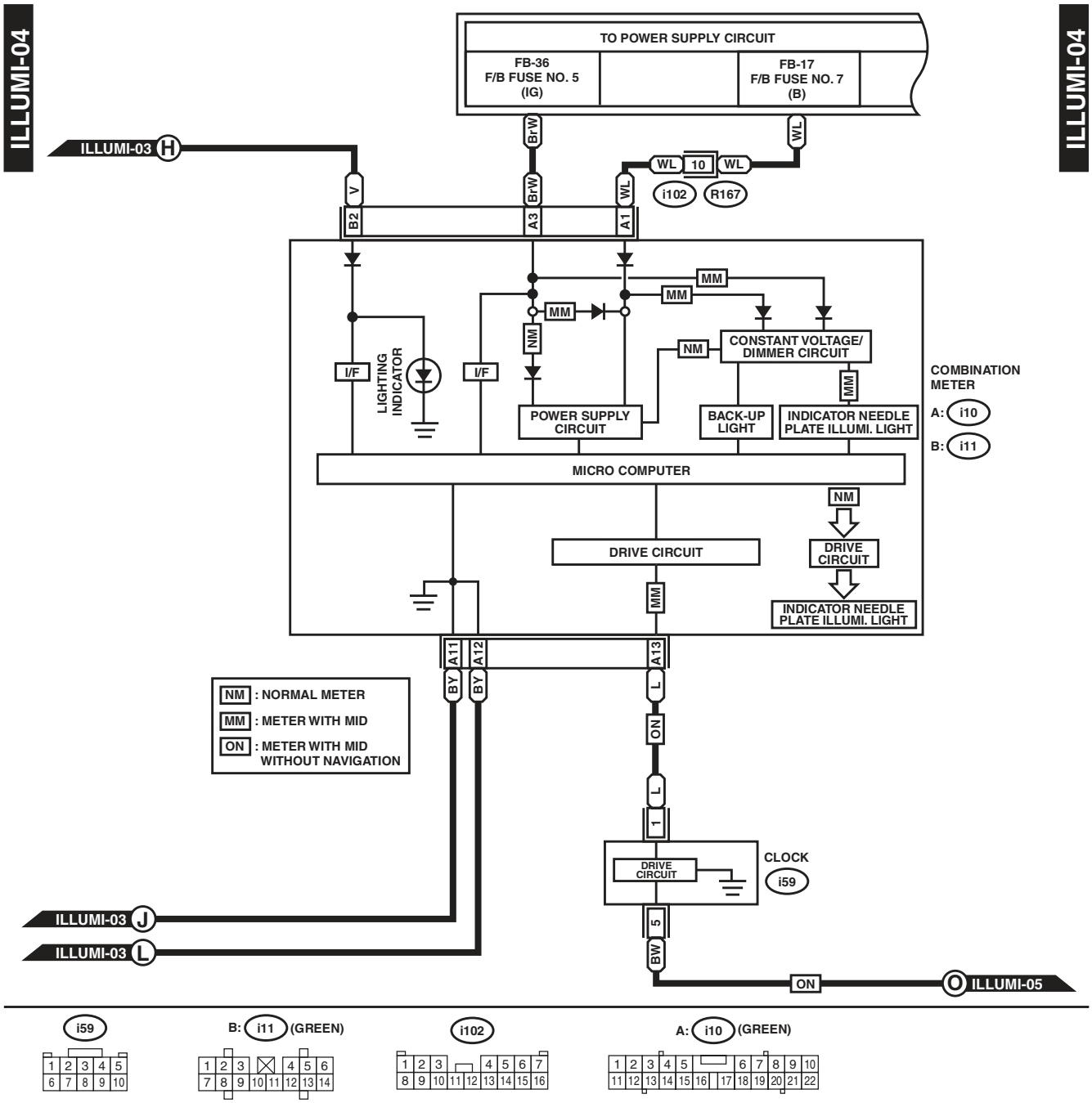
Clearance Light and Illumination Light System

WIRING SYSTEM



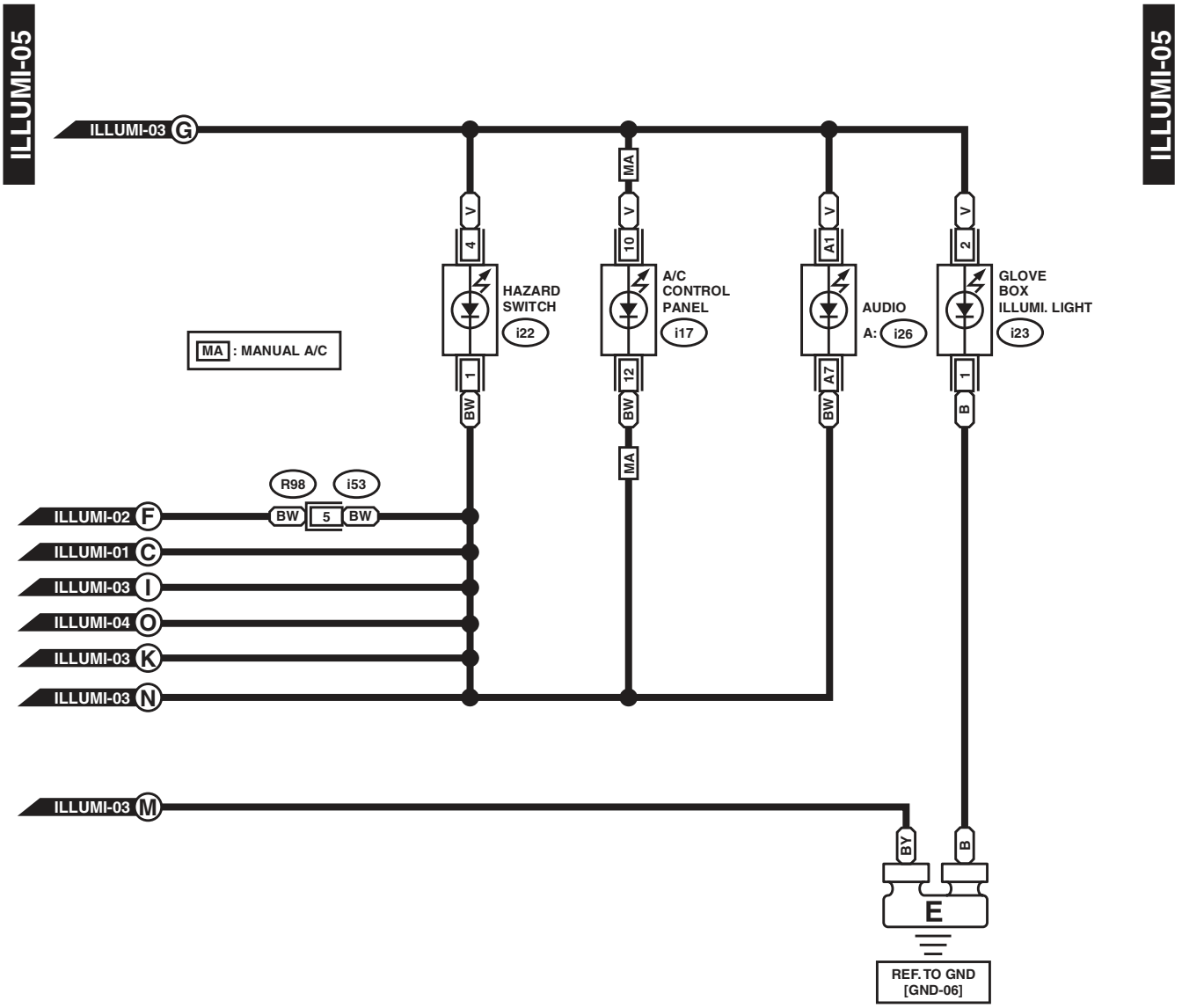


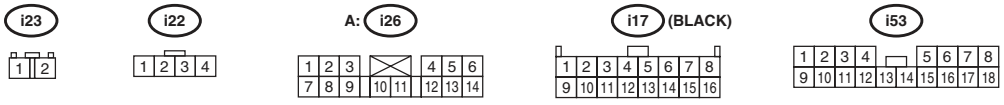
WI-22118


ILLUMI-04
ILLUMI-04
TO POWER SUPPLY CIRCUIT
FB-36
F/B FUSE NO. 5
(IG)
FB-17
F/B FUSE NO. 7
(B)
ILLUMI-03 H
BrW
WL
WL
10
WL
i102
R167
V
BrW
WL
B2
A3
A1
MM
MM
MM
NM
NM
CONSTANT VOLTAGE/
DIMMER CIRCUIT
I/F
LIGHTING
INDICATOR
I/F
MM
COMBINATION
METER
A: i10
B: i11
POWER SUPPLY
CIRCUIT
BACK-UP
LIGHT
INDICATOR NEEDLE
PLATE ILLUMI. LIGHT
MICRO COMPUTER
NM
DRIVE CIRCUIT
DRIVE
CIRCUIT
MM
INDICATOR NEEDLE
PLATE ILLUMI. LIGHT
A11
A12
A13
BY
BY
L
NM : NORMAL METER
MM : METER WITH MID
ON : METER WITH MID
WITHOUT NAVIGATION
ON
L
1
DRIVE
CIRCUIT
CLOCK
i59
ILLUMI-03 J
ILLUMI-03 L
5
BW
ON
ILLUMI-05 O

i59
B: i11 (GREEN)
i102
A: i10 (GREEN)

WI-22119

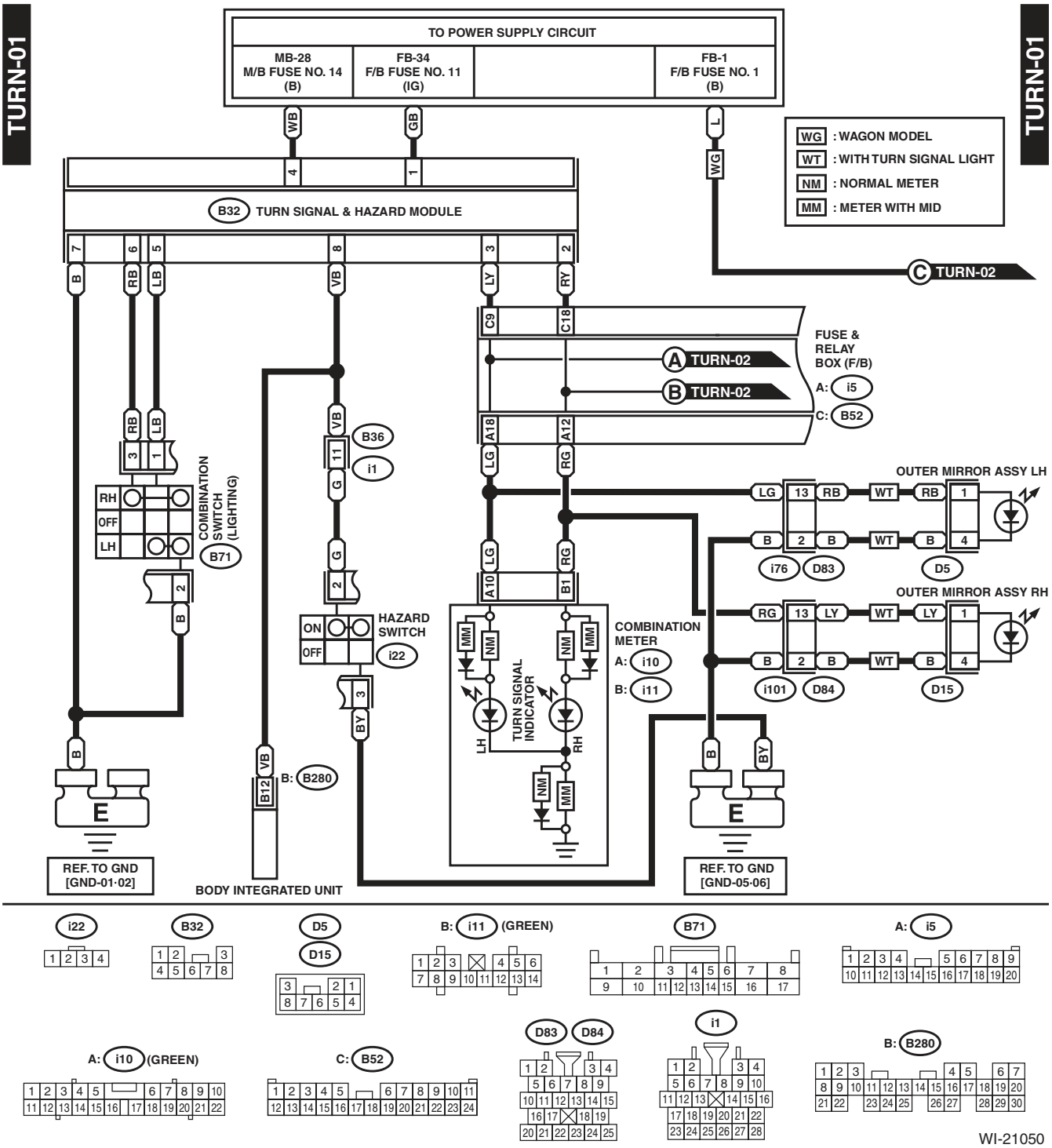

ILLUMI-05
ILLUMI-05
ILLUMI-03 G
MA : MANUAL A/C
HAZARD SWITCH
i22
A/C CONTROL PANEL
i17
AUDIO
A: i26
GLOVE BOX ILLUMI. LIGHT
i23
R98
i53
ILLUMI-02 F
ILLUMI-01 C
ILLUMI-03 I
ILLUMI-04 O
ILLUMI-03 K
ILLUMI-03 N
ILLUMI-03 M
E
REF. TO GND [GND-06]


i23
i22
A: i26
i17 (BLACK)
i53

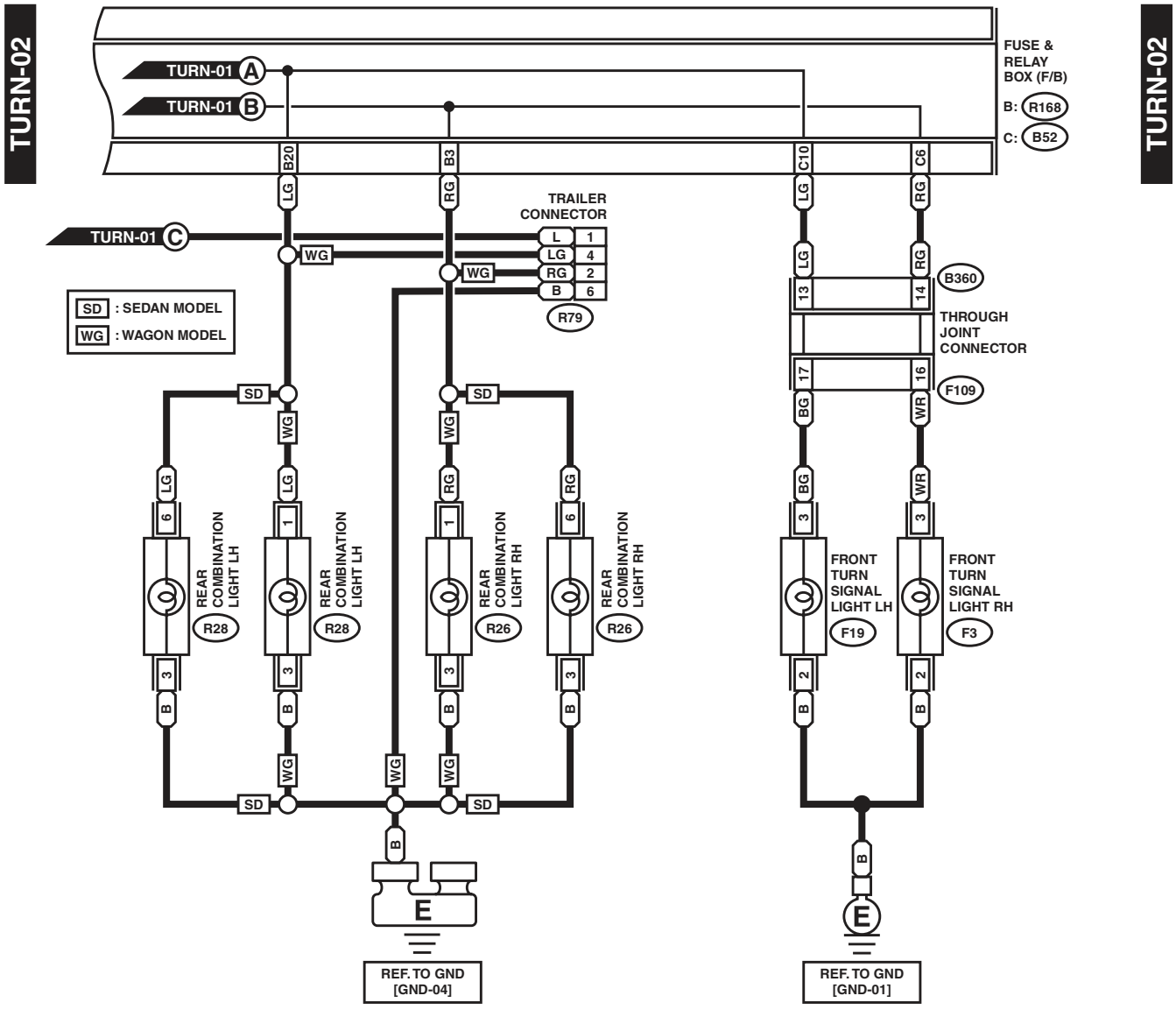
WI-22120

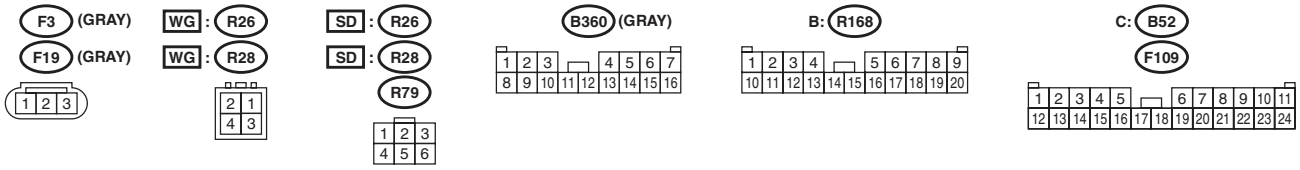
26. Turn Signal Light and Hazard Light System

A: WIRING DIAGRAM



WI-21050

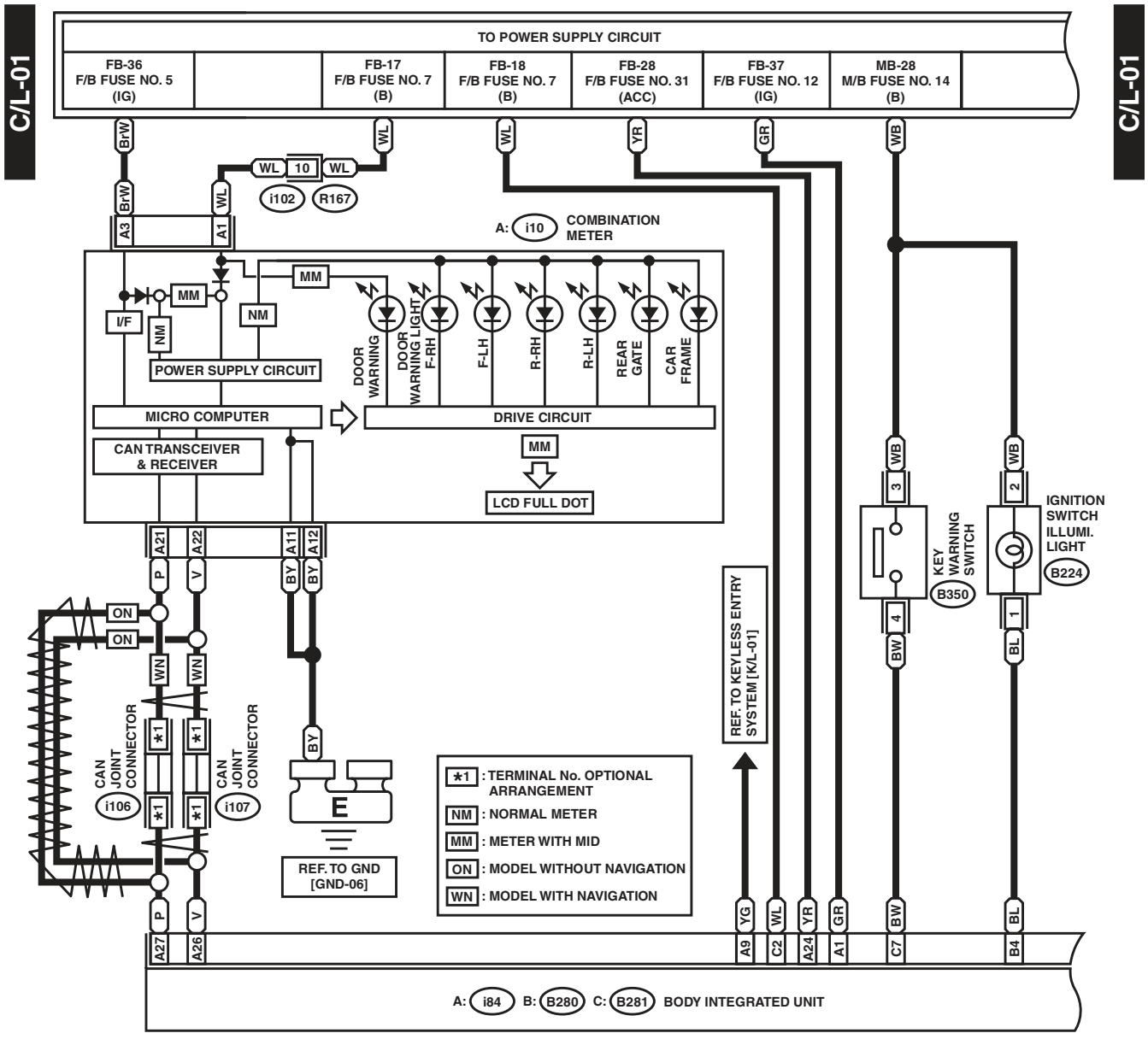

TURN-02
TURN-02
TURN-01 A
TURN-01 B
TURN-01 C
FUSE & RELAY BOX (F/B)
B: R168
C: B52
B20
B3
C10
C6
LG
RG
TRAILER CONNECTOR
L 1
LG 4
RG 2
B 6
R79
WG
SD : SEDAN MODEL
WG : WAGON MODEL
B360
THROUGH JOINT CONNECTOR
F109
BG
WR
REAR COMBINATION LIGHT LH
REAR COMBINATION LIGHT RH
R28
R26
FRONT TURN SIGNAL LIGHT LH
FRONT TURN SIGNAL LIGHT RH
F19
F3
E
REF. TO GND [GND-04]
REF. TO GND [GND-01]

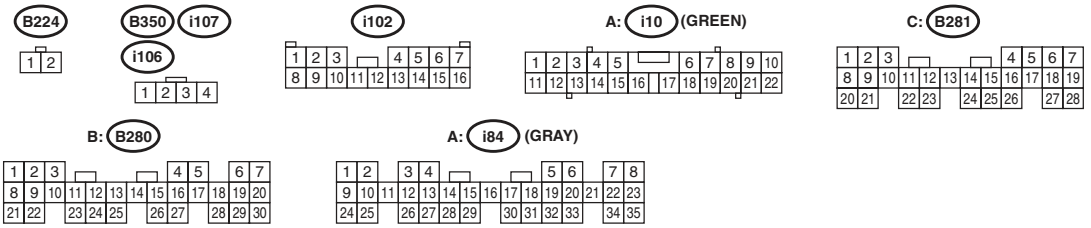

F3 (GRAY)
F19 (GRAY)
WG : R26
WG : R28
SD : R26
SD : R28
R79
B360 (GRAY)
B: R168
C: B52
F109

WI-21002

27.Interior Light System

A: WIRING DIAGRAM

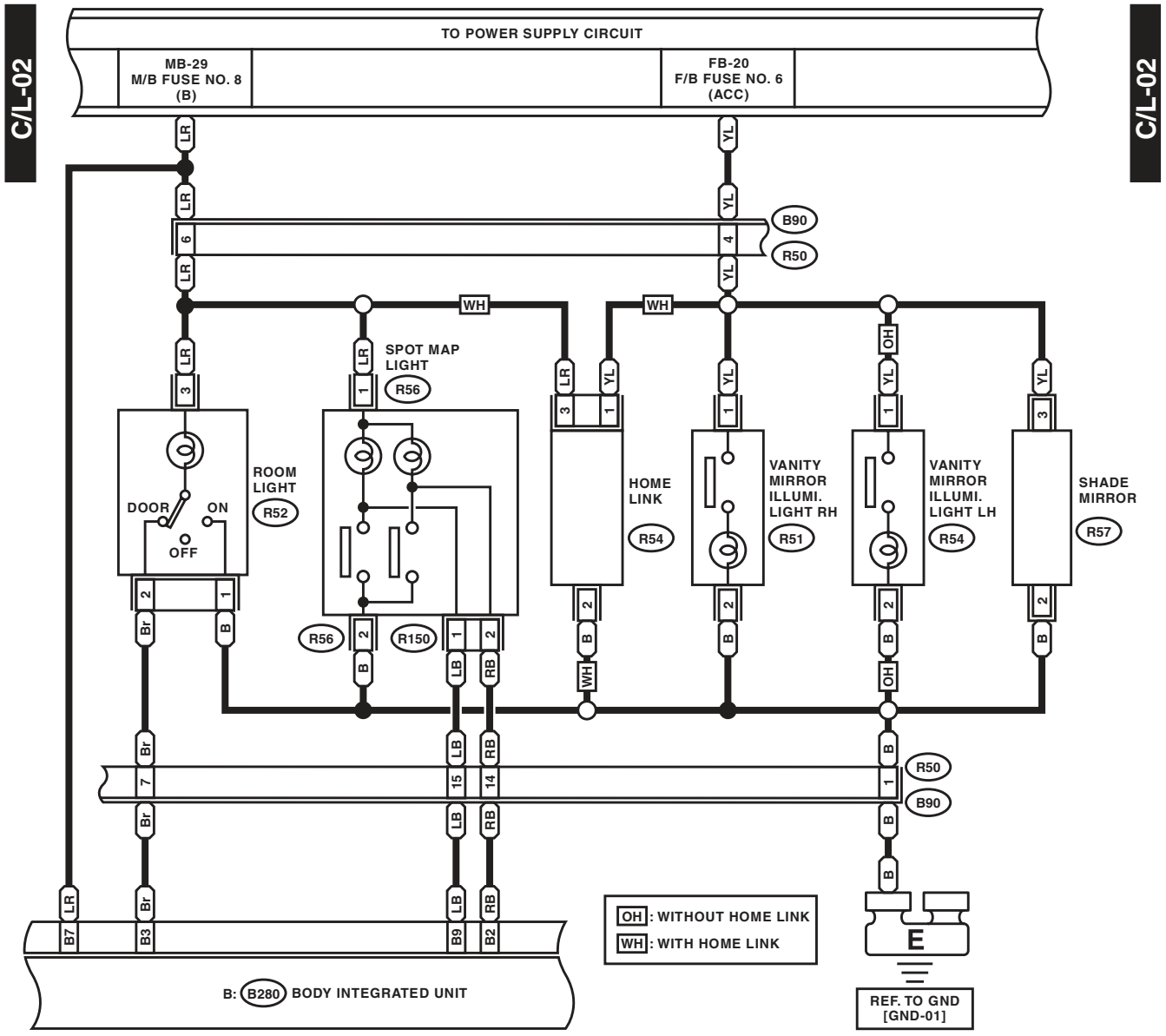


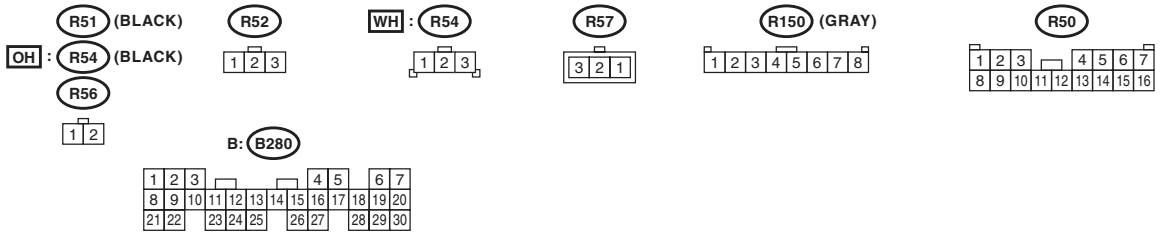


WI-21003

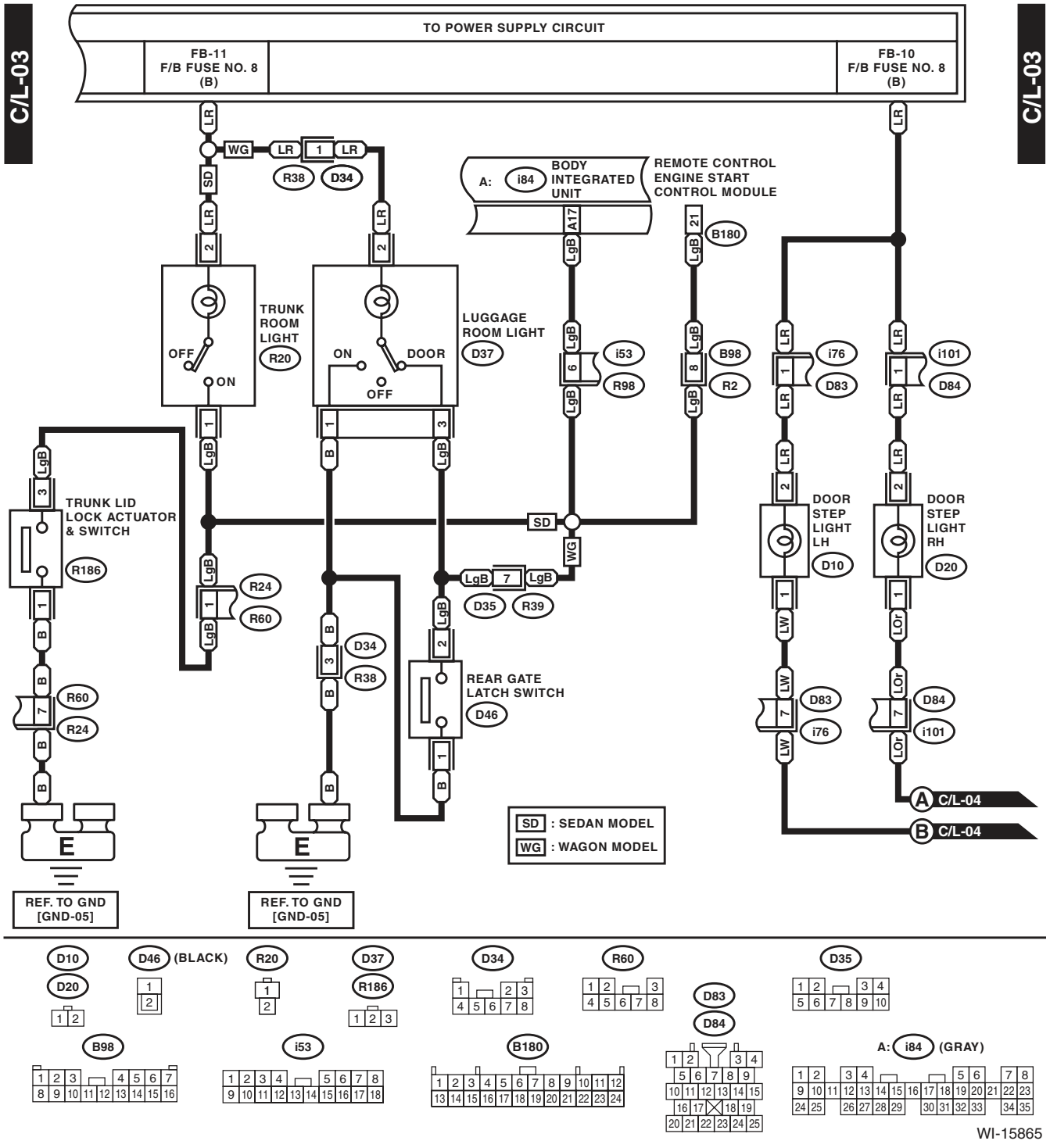
Interior Light System

WIRING SYSTEM





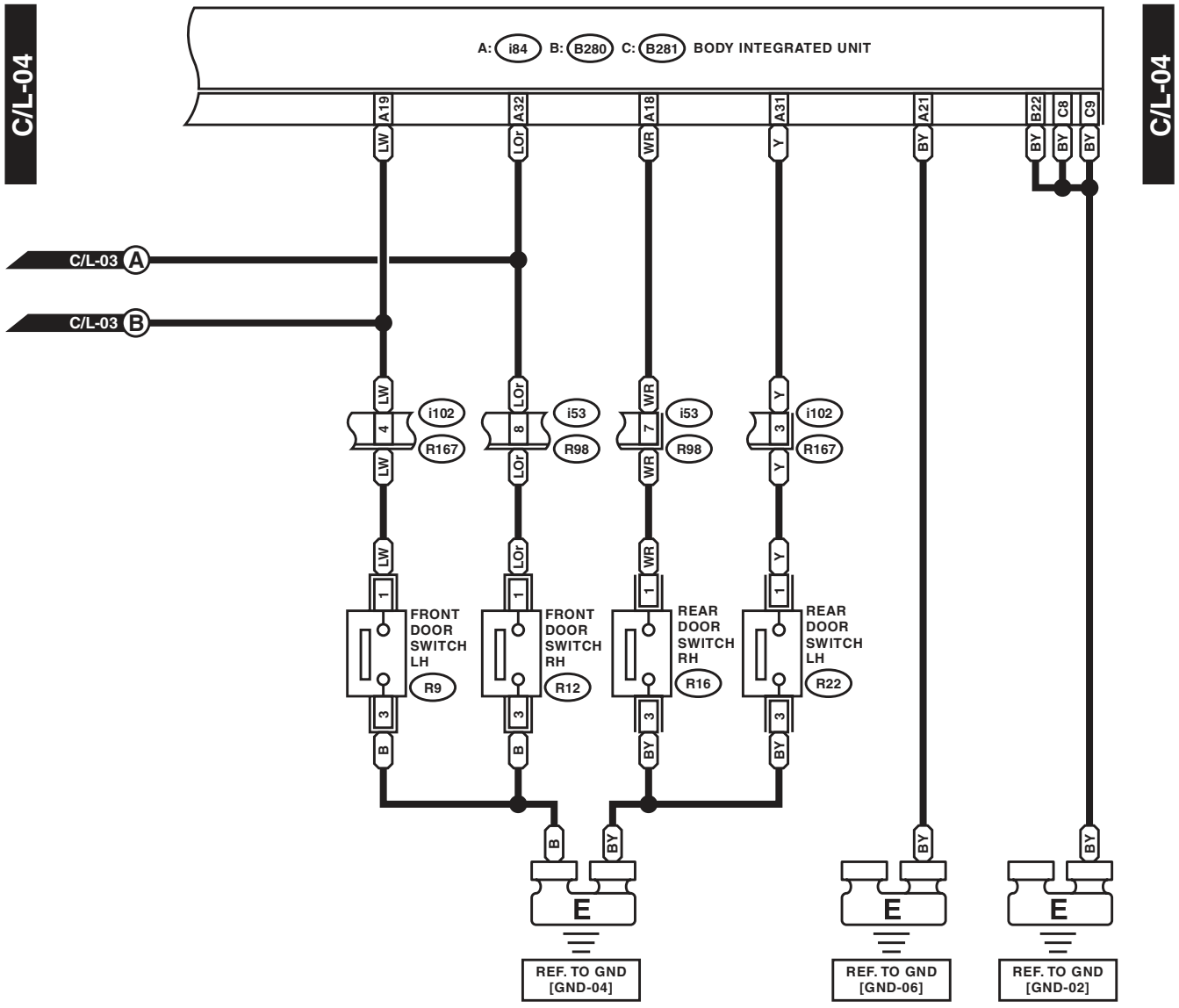
WI-15864

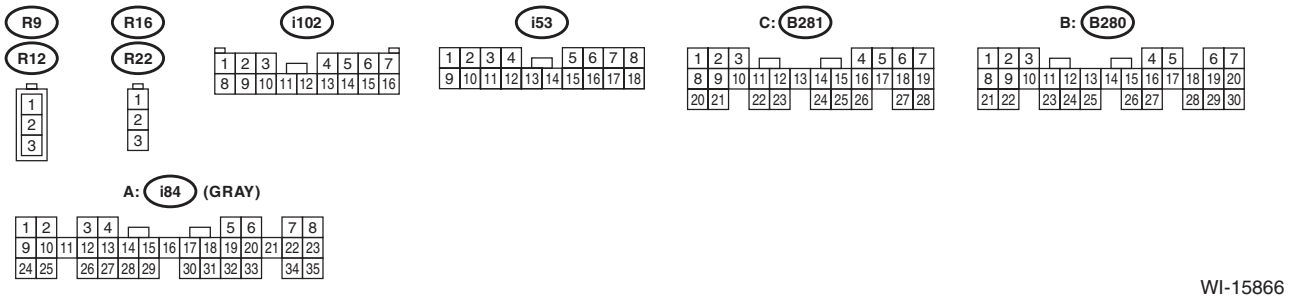

C/L-03
C/L-03
TO POWER SUPPLY CIRCUIT
FB-11
F/B FUSE NO. 8
(B)
FB-10
F/B FUSE NO. 8
(B)
A: i84
BODY
INTEGRATED
UNIT
REMOTE CONTROL
ENGINE START
CONTROL MODULE
B180
TRUNK
ROOM
LIGHT
R20
OFF
ON
LUGGAGE
ROOM LIGHT
D37
ON
DOOR
OFF
i53
R98
B98
R2
i76
D83
i101
D84
DOOR
STEP
LIGHT
LH
D10
DOOR
STEP
LIGHT
RH
D20
TRUNK LID
LOCK ACTUATOR
& SWITCH
R186
R24
R60
D34
R38
REAR GATE
LATCH SWITCH
D46
D35
R39
SD : SEDAN MODEL
WG : WAGON MODEL
A C/L-04
B C/L-04
REF. TO GND
[GND-05]
REF. TO GND
[GND-05]
D10
D20
D46 (BLACK)
R20
D37
R186
D34
R60
D35
D83
D84
B98
i53
B180
A: i84 (GRAY)

WI-15865

Interior Light System

WIRING SYSTEM

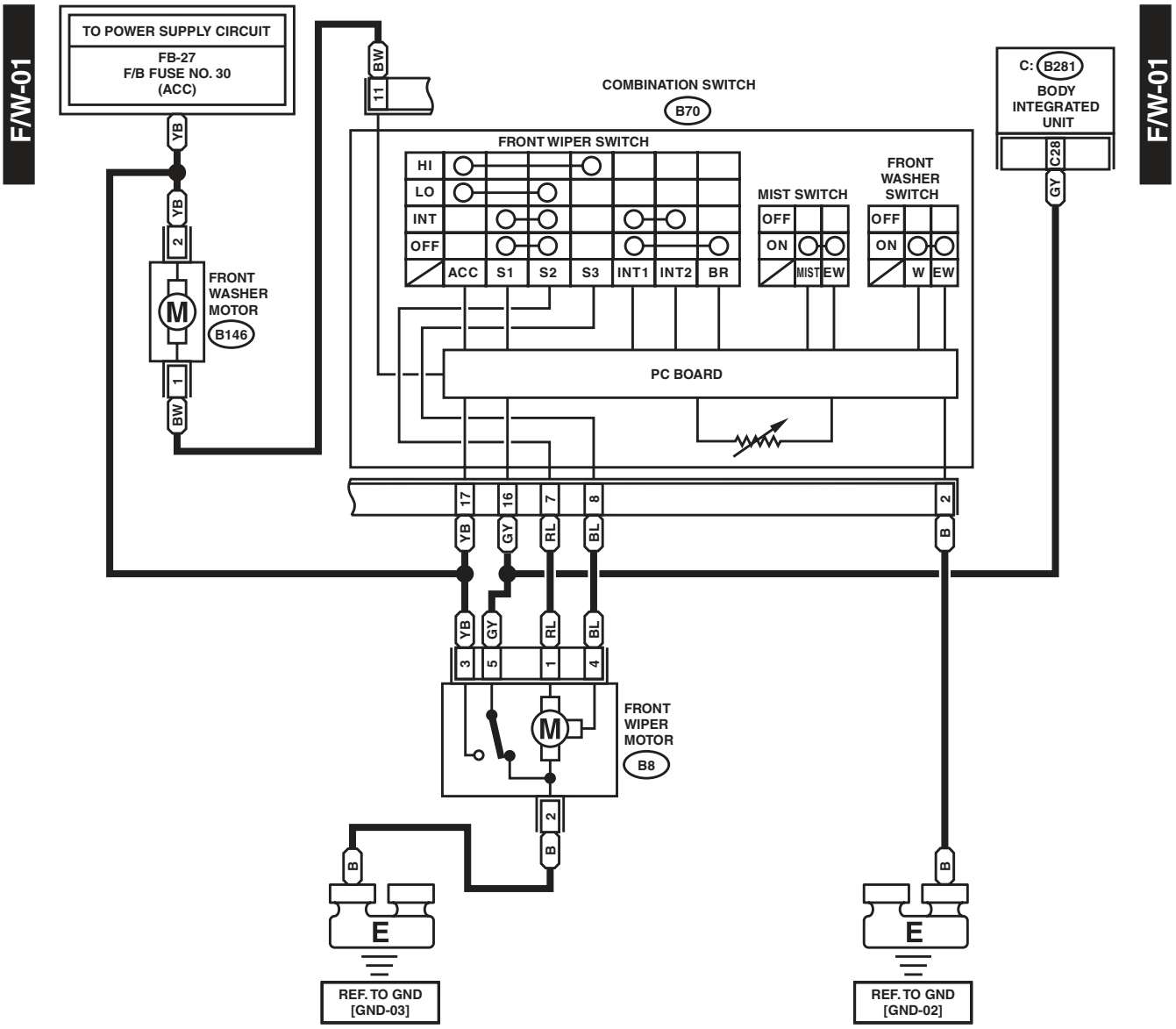


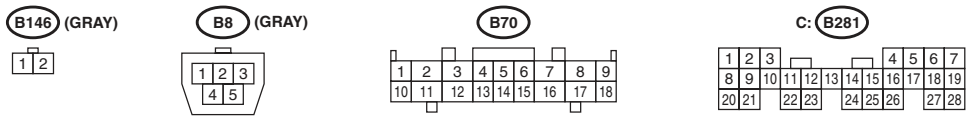


WI-15866

28.Front Wiper and Washer System

A: WIRING DIAGRAM

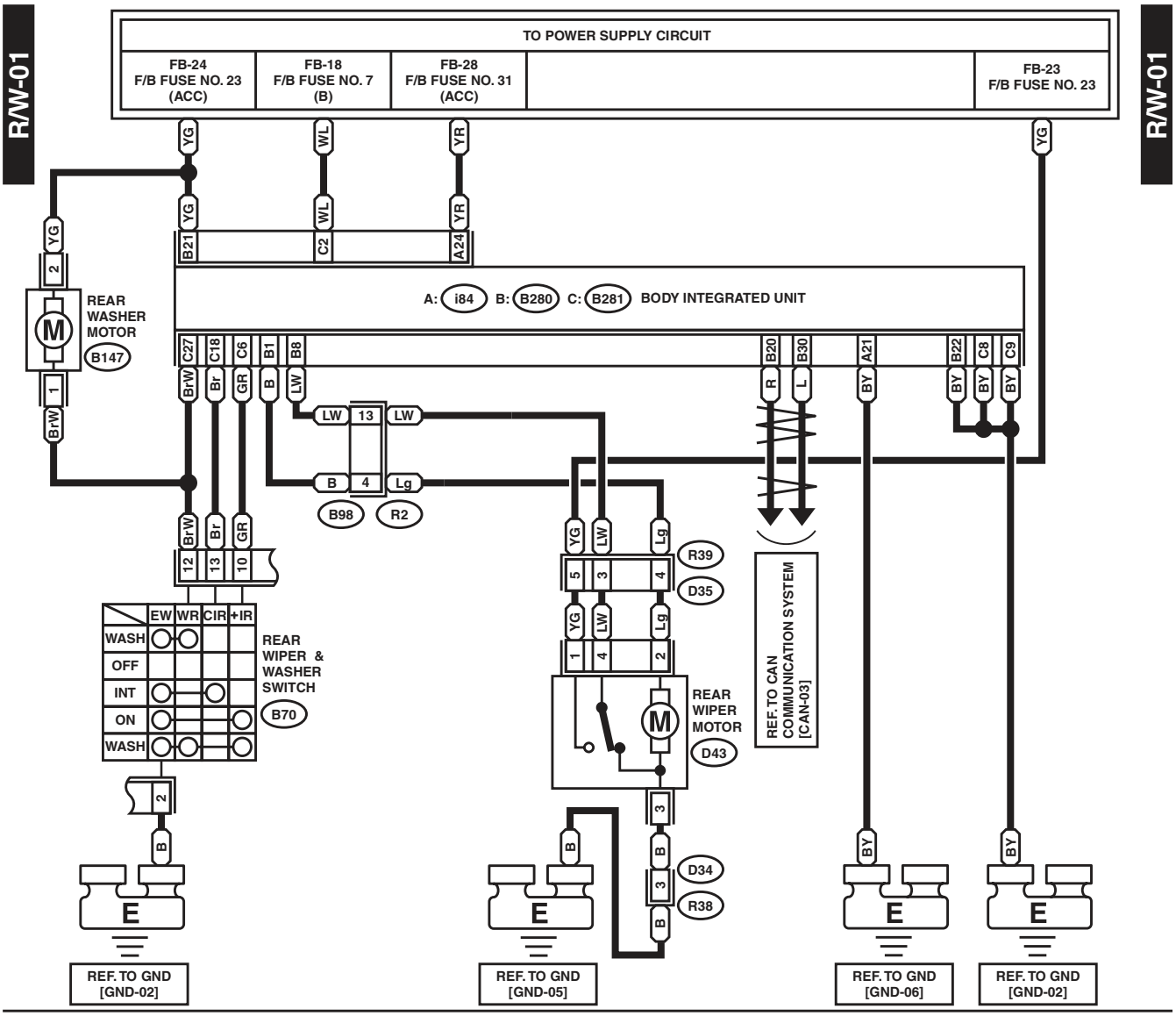


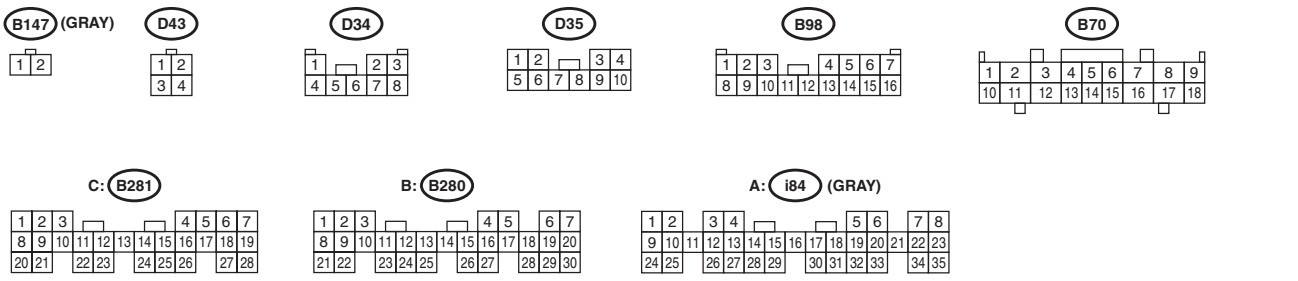


WI-22121

29. Rear Wiper and Washer System

A: WIRING DIAGRAM

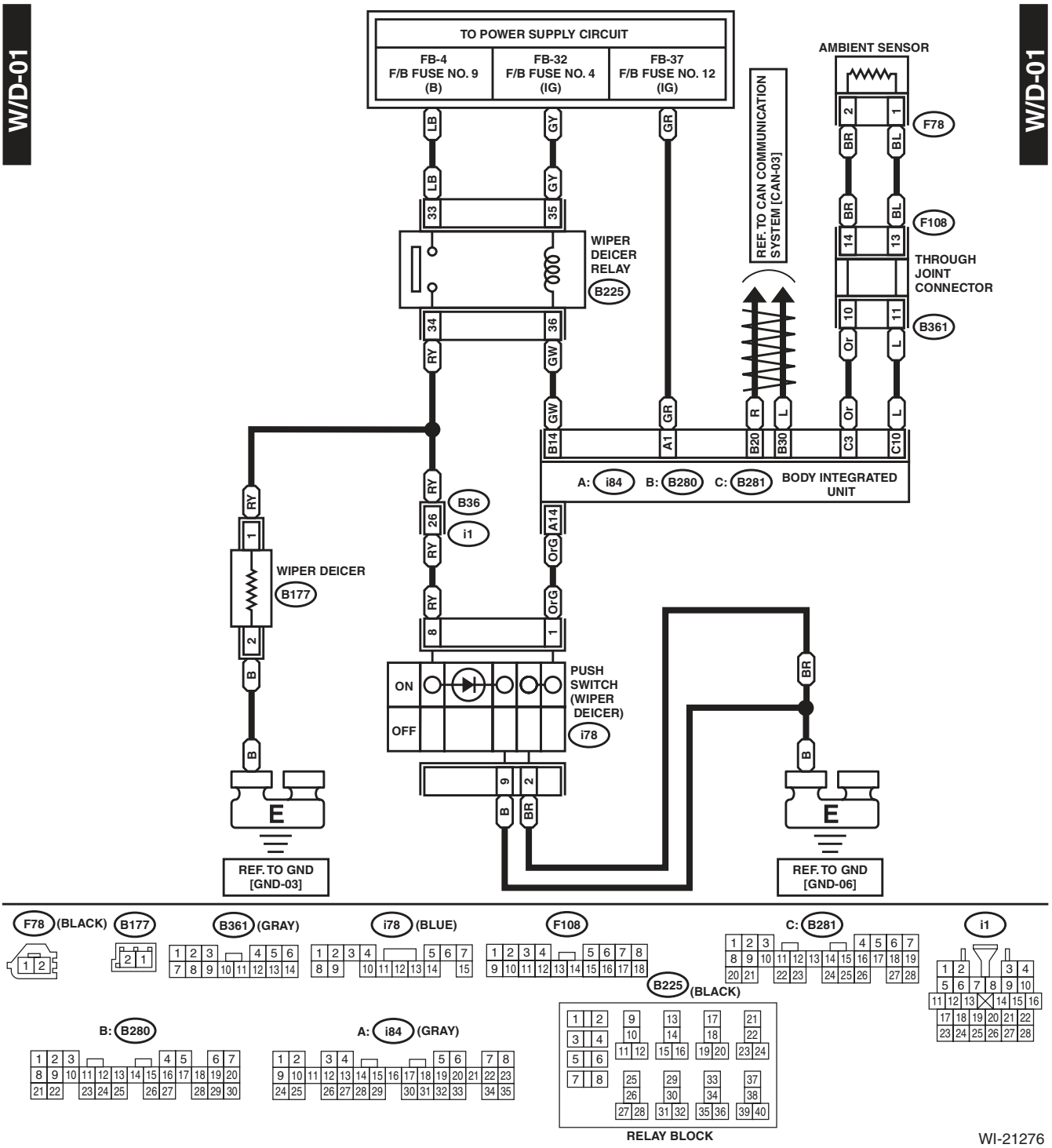




WI-21004

30.Wiper Deicer System

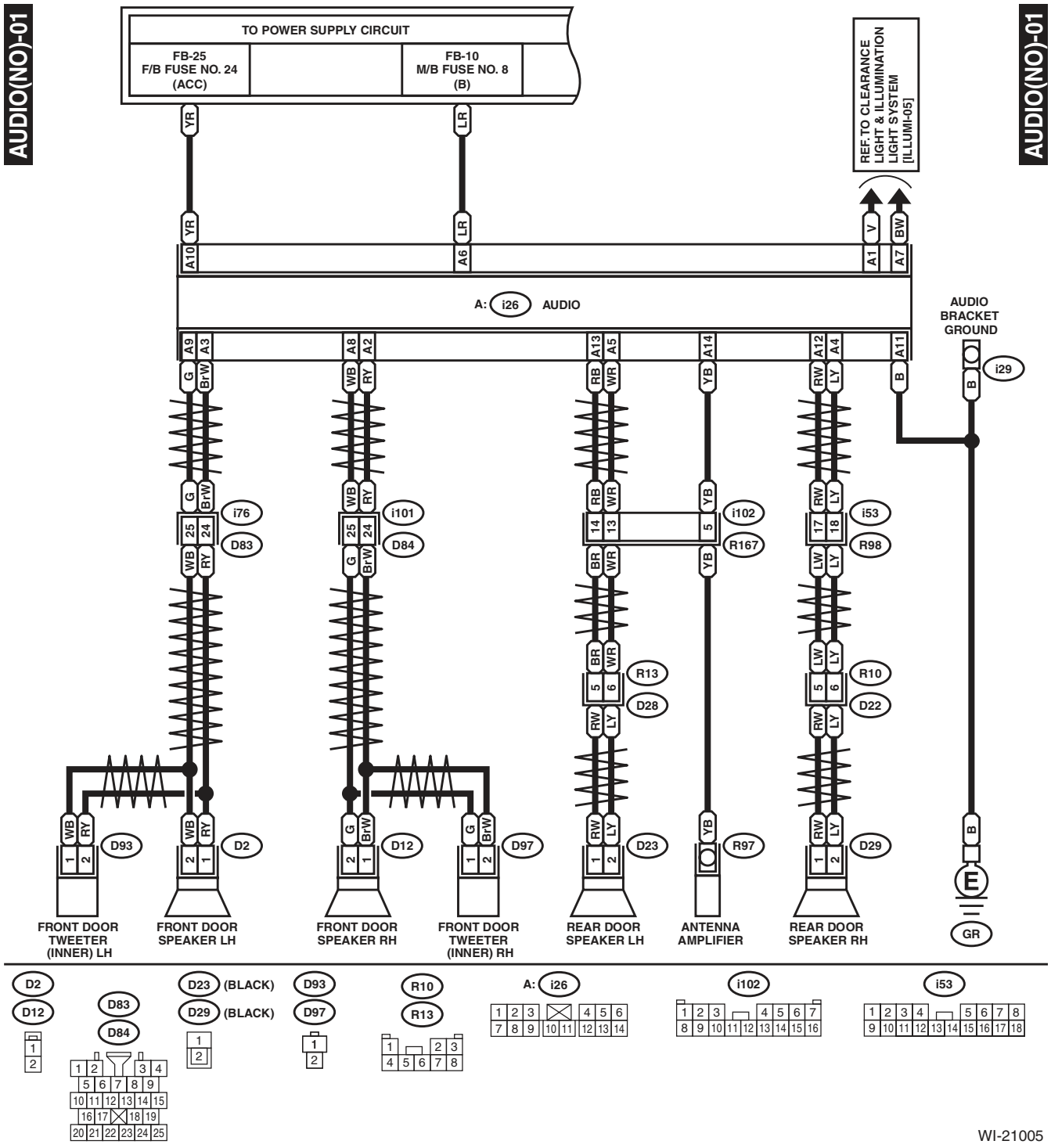
A: WIRING DIAGRAM



31. Audio System

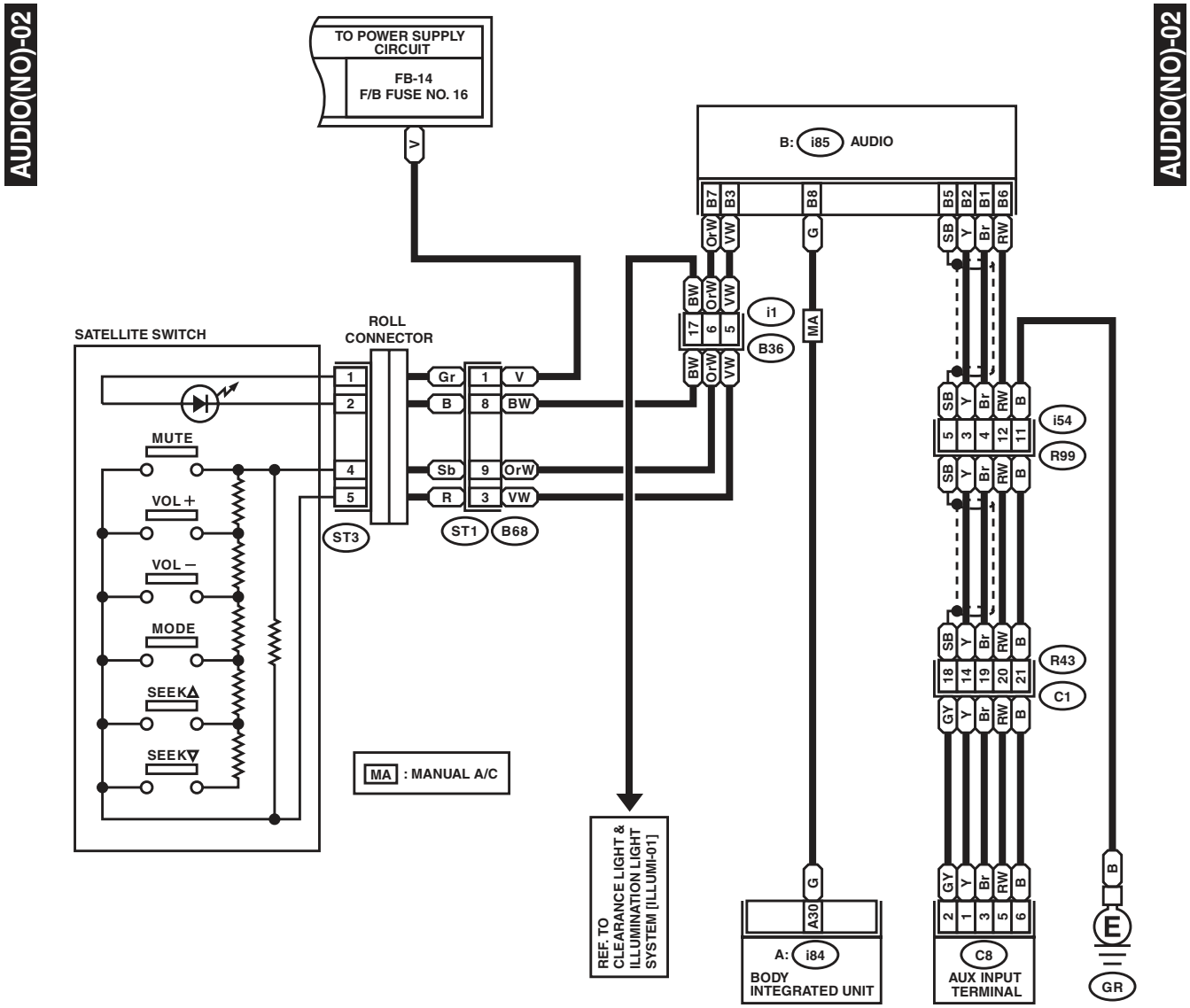
A: WIRING DIAGRAM

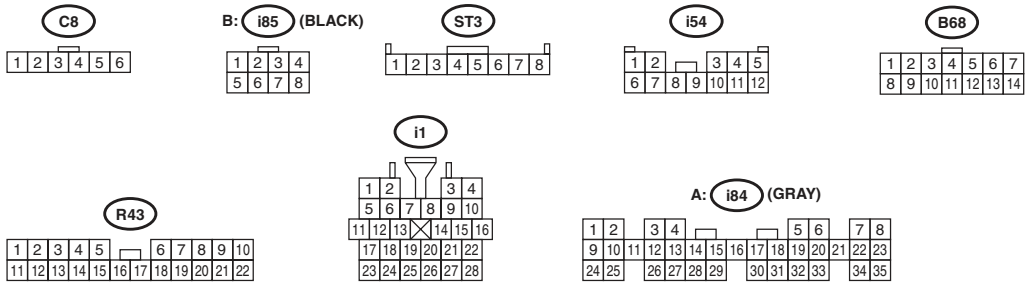
1. NORMAL AUDIO MODEL



WI-21005

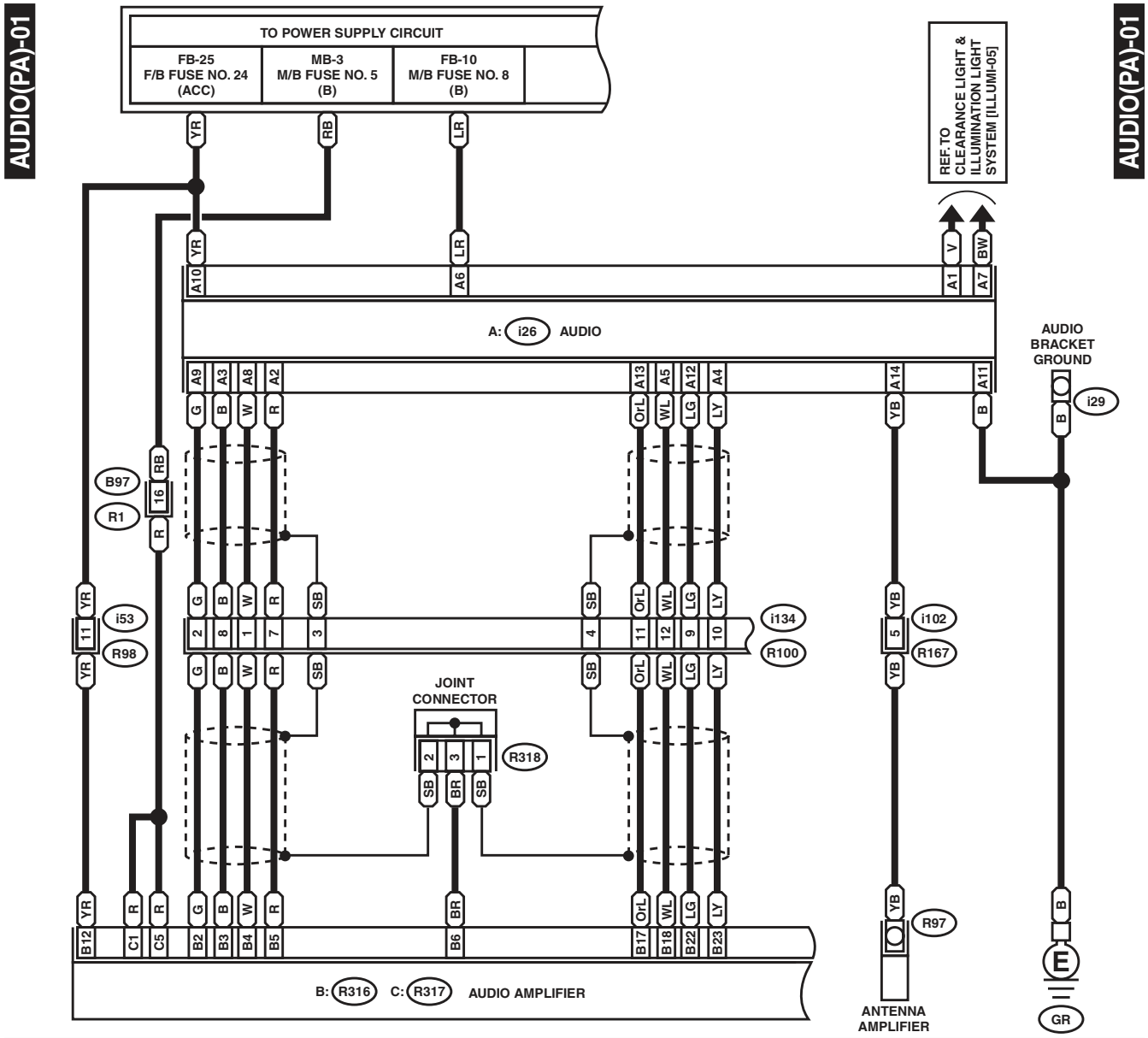
AUDIO(NO)-02

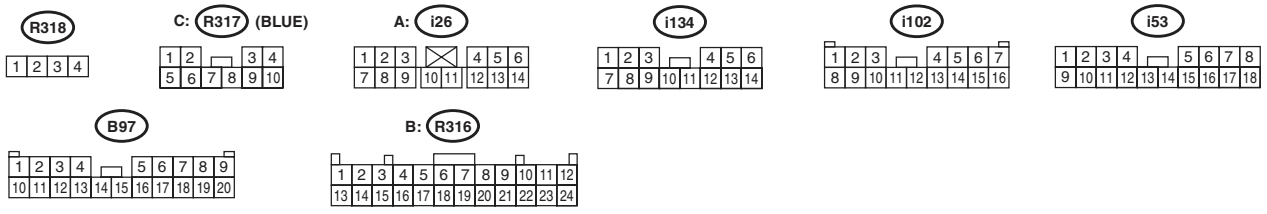




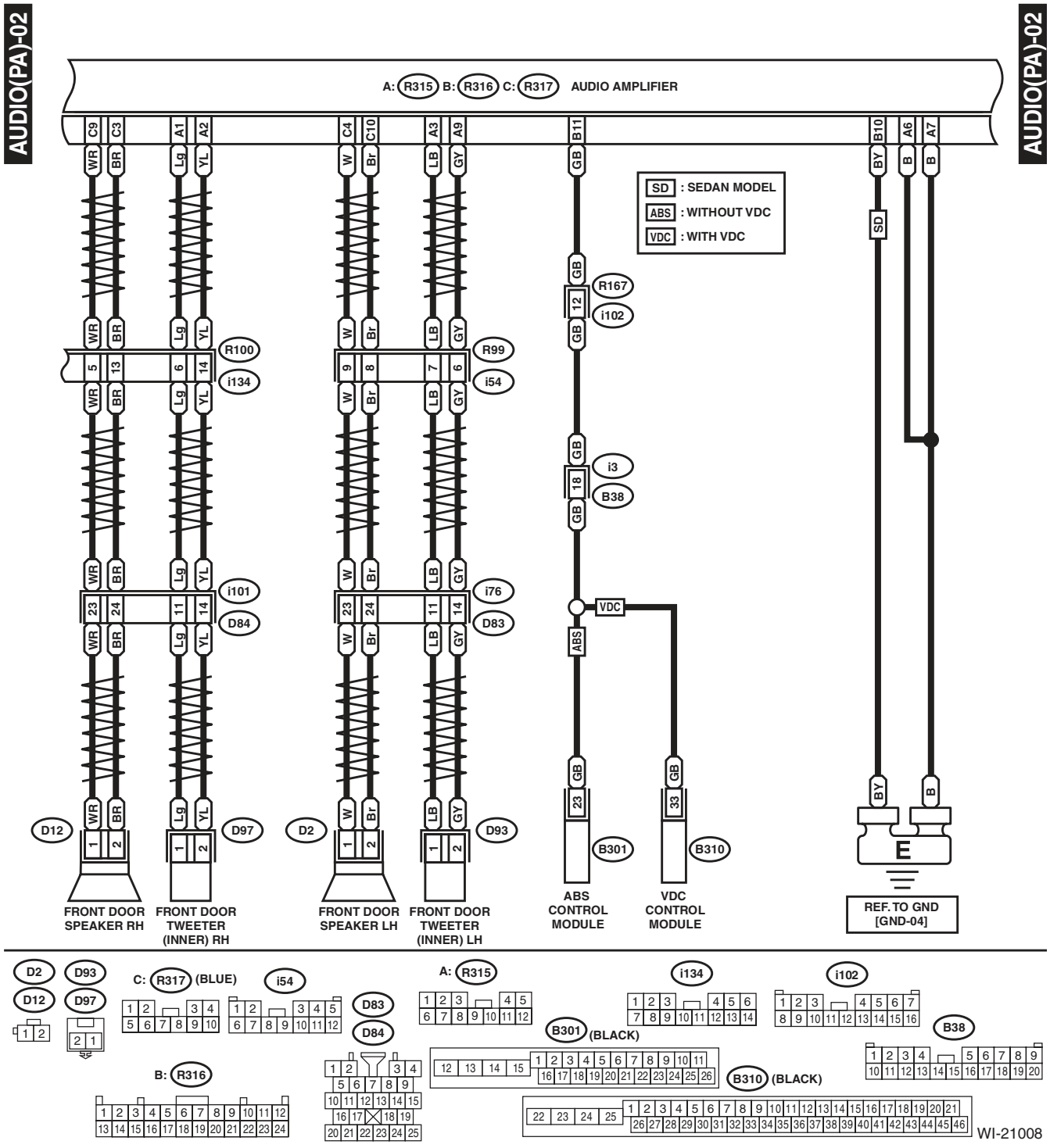
WI-21006

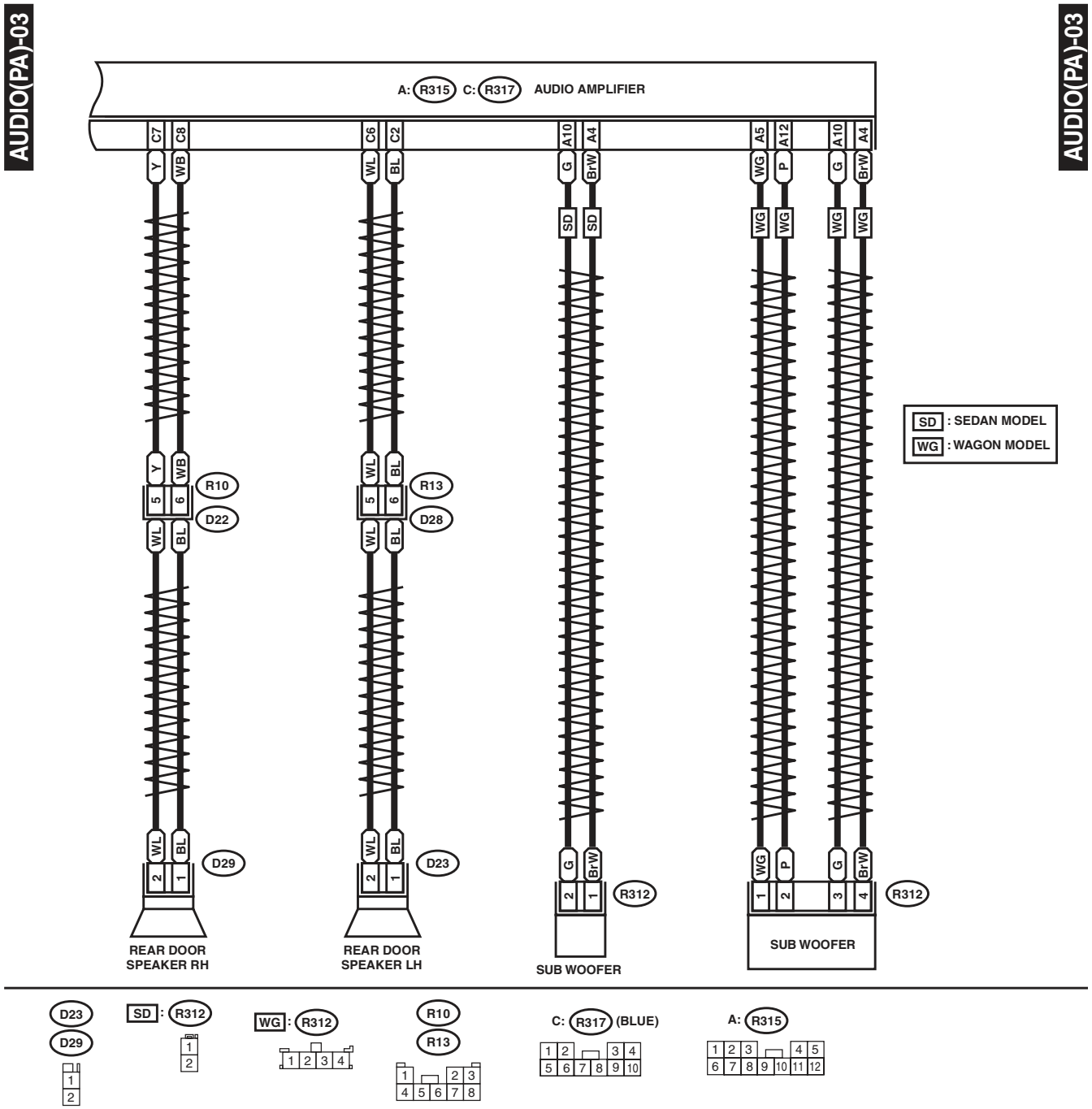
2. PREMIUM AUDIO MODEL





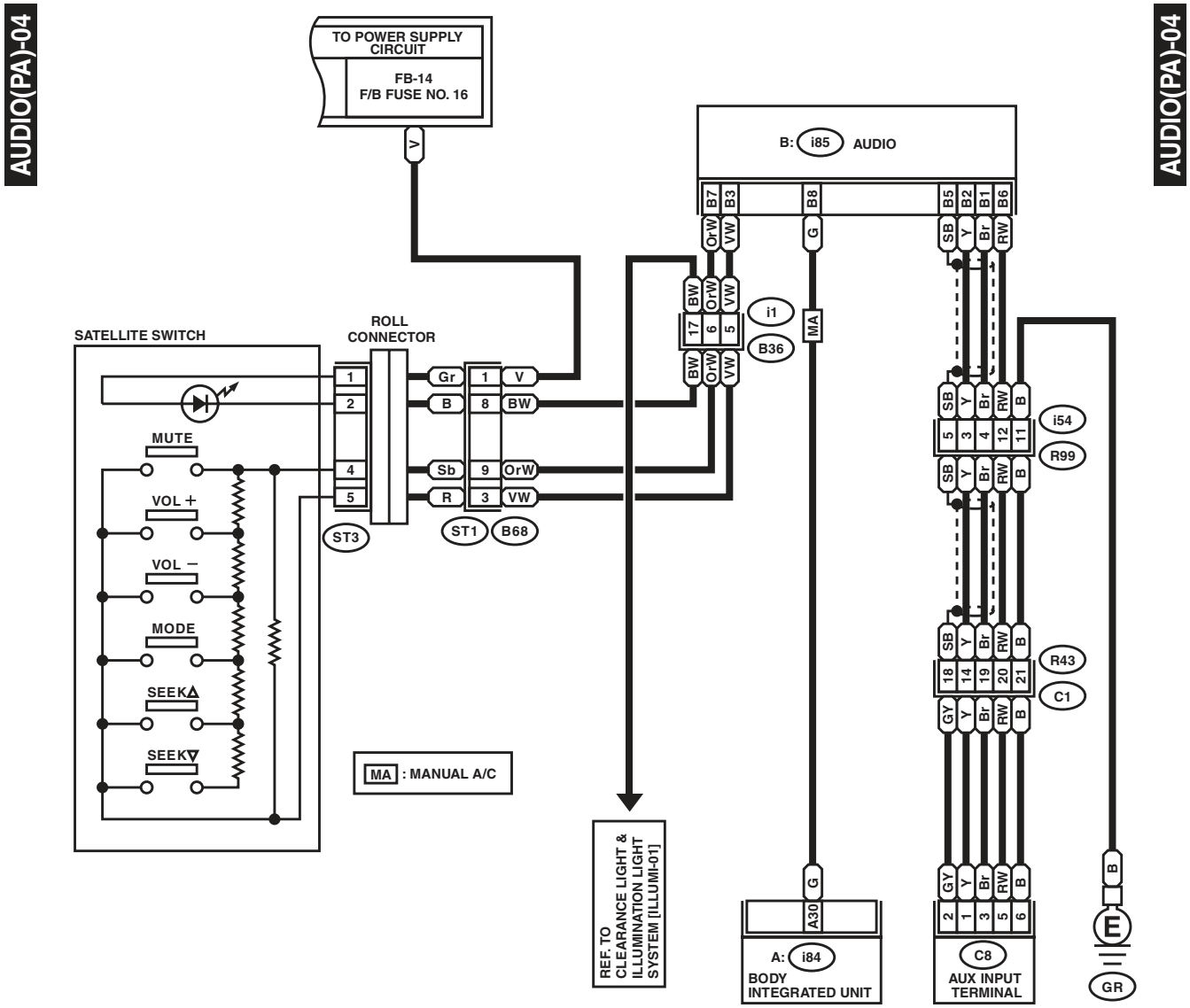
WI-21007

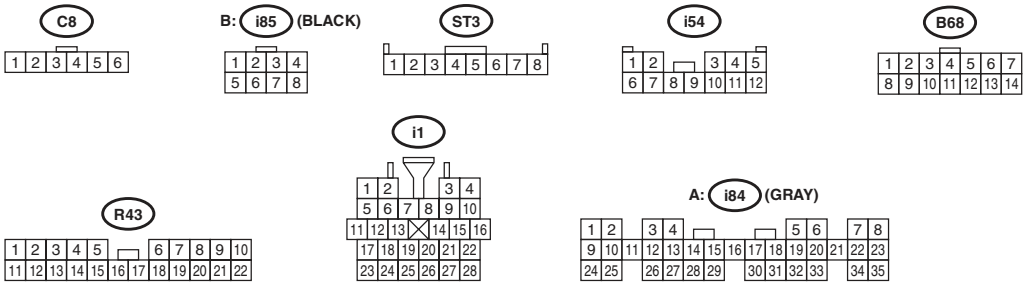

AUDIO(PA)-02
AUDIO(PA)-02
A: R315 B: R316 C: R317 AUDIO AMPLIFIER
SD : SEDAN MODEL
ABS : WITHOUT VDC
VDC : WITH VDC
R100
i134
R99
i54
i101
D84
i76
D83
R167
i102
i3
B38
D12
D97
D2
D93
B301
B310
FRONT DOOR SPEAKER RH
FRONT DOOR TWEETER (INNER) RH
FRONT DOOR SPEAKER LH
FRONT DOOR TWEETER (INNER) LH
ABS CONTROL MODULE
VDC CONTROL MODULE
REF. TO GND [GND-04]
C: R317 (BLUE)
B: R316
A: R315
B301 (BLACK)
B310 (BLACK)
WI-21008


AUDIO(PA)-03
AUDIO(PA)-03
A: R315 C: R317 AUDIO AMPLIFIER
C7 C8 C6 C2 A10 A4 A5 A12 A10 A4
Y WB WL BL G BrW WG P G BrW
SD SD WG WG WG WG
SD : SEDAN MODEL
WG : WAGON MODEL
R10
D22
R13
D28
D29
D23
R312
R312
REAR DOOR SPEAKER RH
REAR DOOR SPEAKER LH
SUB WOOFER
SUB WOOFER
D23
D29
SD : R312
WG : R312
R10
R13
C: R317 (BLUE)
A: R315

WI-21009

AUDIO(PA)-04





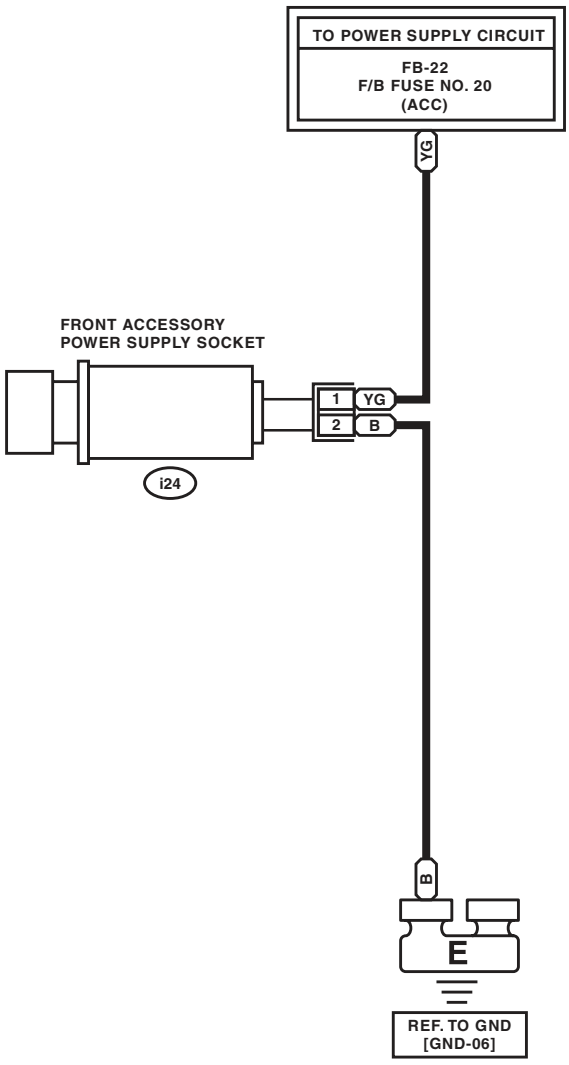
WI-21010

AUDIO(PA)-04

32. Front Accessory Power Supply Socket System

A: WIRING DIAGRAM

FAPS-01



FAPS-01

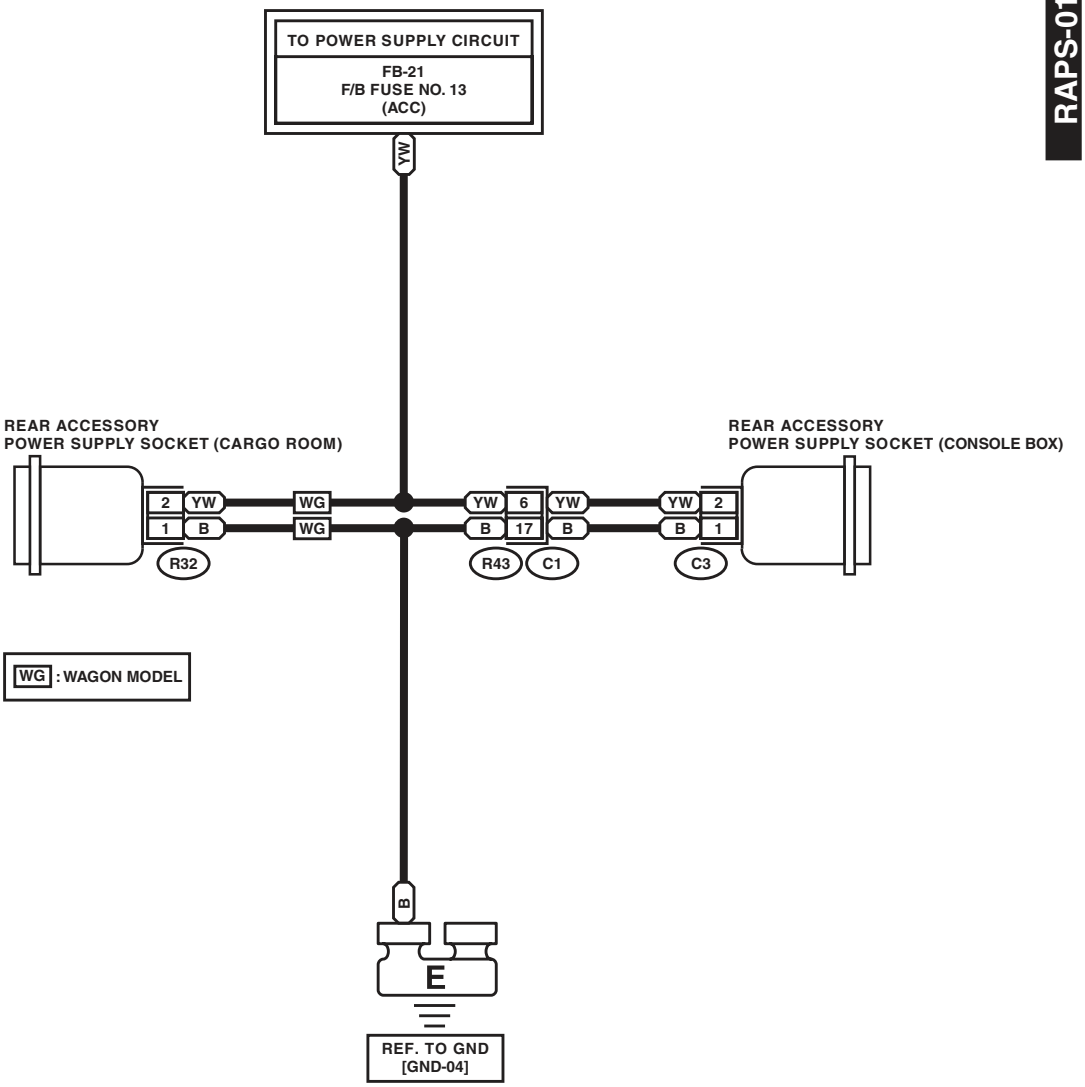
i24

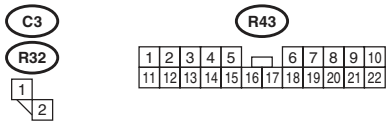
WI-15872

33. Rear Accessory Power Supply Socket System

A: WIRING DIAGRAM

RAPS-01

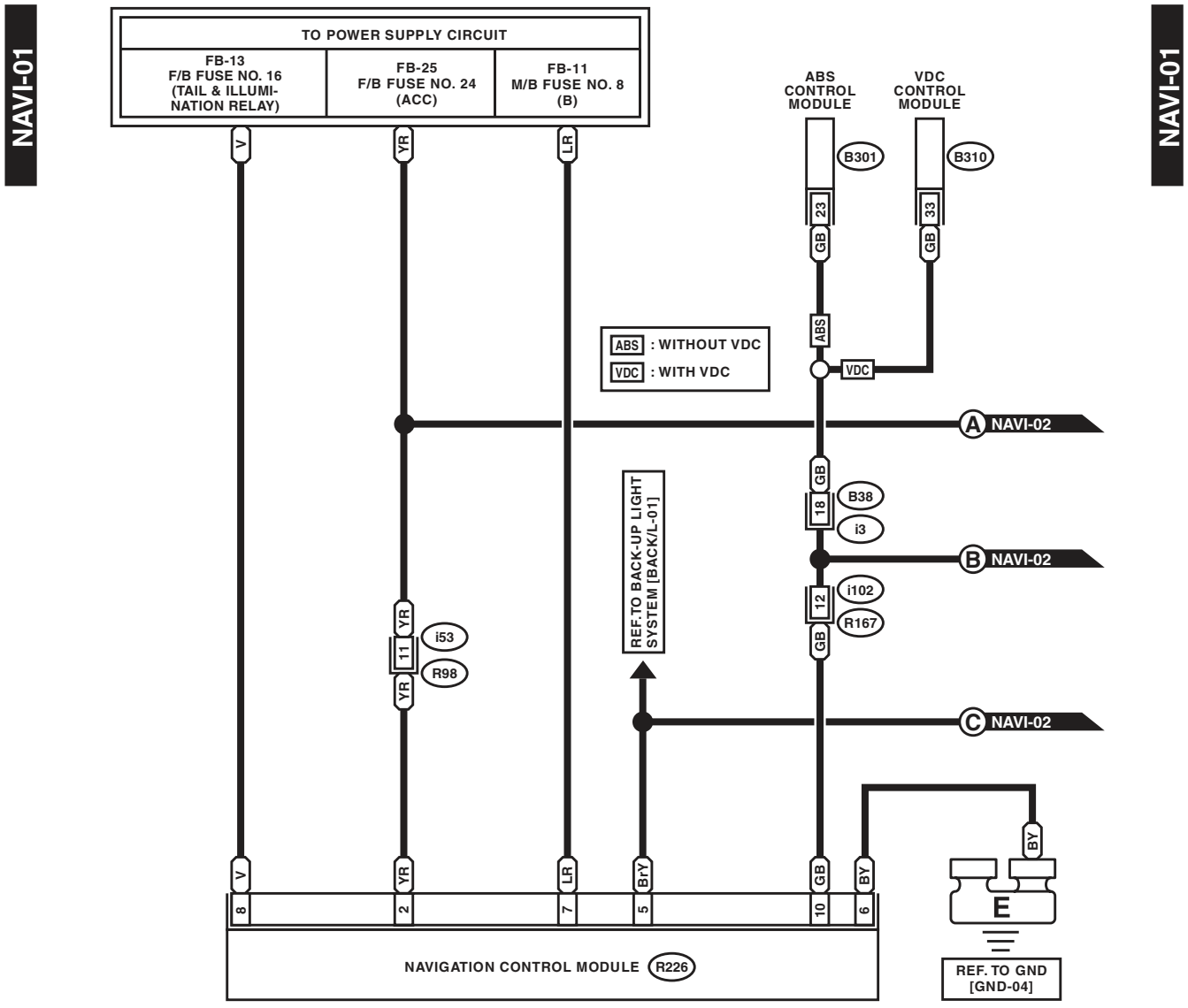


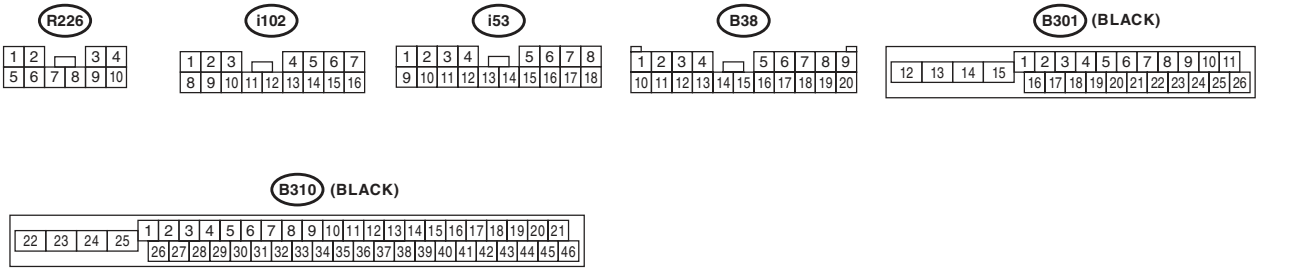


WI-13253

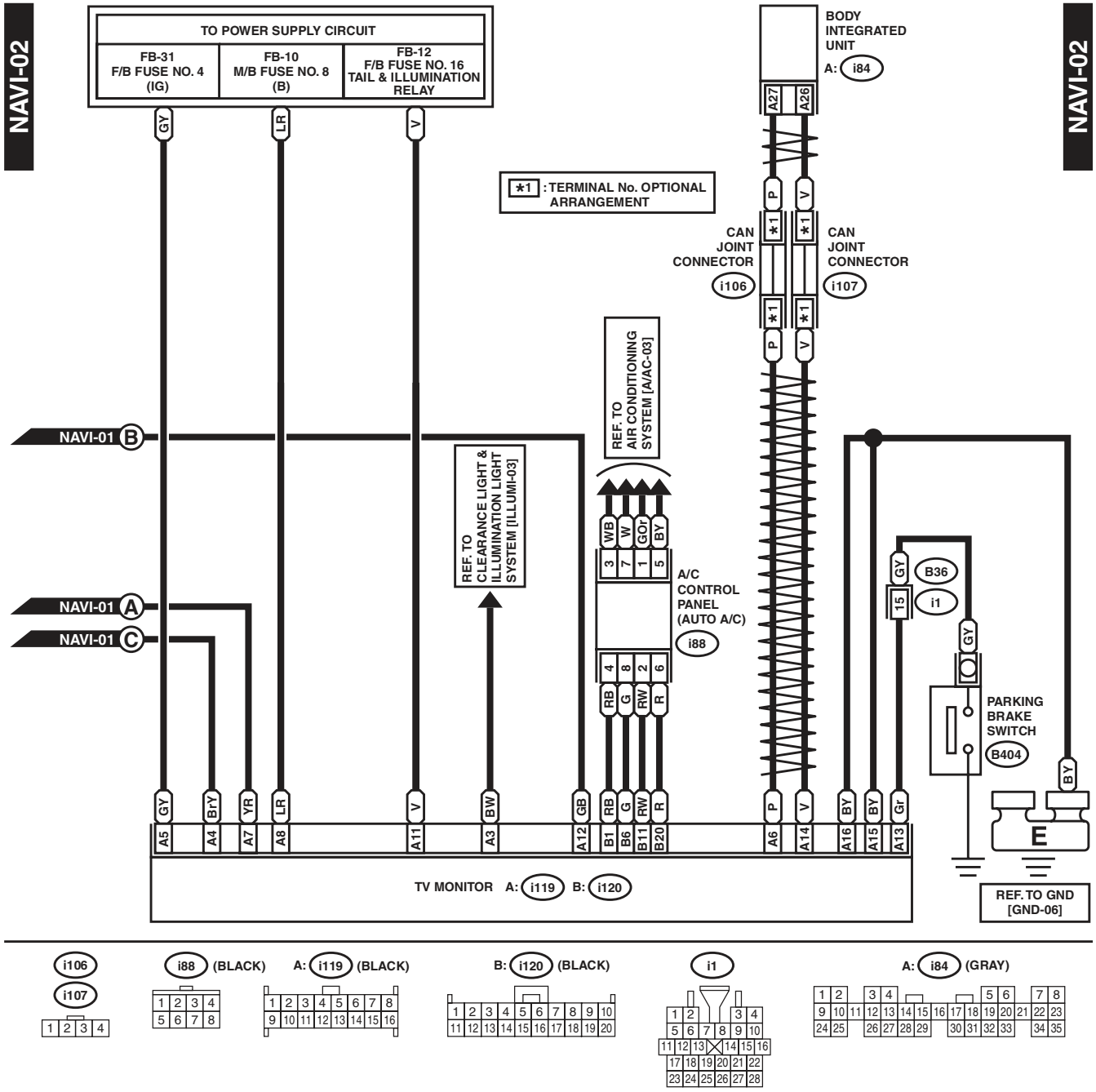
34.Navigation System

A: WIRING DIAGRAM





WI-15873


NAVI-02
NAVI-02
TO POWER SUPPLY CIRCUIT
FB-31 F/B FUSE NO. 4 (IG)
FB-10 M/B FUSE NO. 8 (B)
FB-12 F/B FUSE NO. 16 TAIL & ILLUMINATION RELAY
BODY INTEGRATED UNIT
A: i84
A27
A26
*1 : TERMINAL No. OPTIONAL ARRANGEMENT
CAN JOINT CONNECTOR
i106
CAN JOINT CONNECTOR
i107
REF. TO AIR CONDITIONING SYSTEM [A/AC-03]
REF. TO CLEARANCE LIGHT & ILLUMINATION LIGHT SYSTEM [ILLUMI-03]
NAVI-01 B
NAVI-01 A
NAVI-01 C
A/C CONTROL PANEL (AUTO A/C)
i88
B36
i1
PARKING BRAKE SWITCH
B404
REF. TO GND [GND-06]
TV MONITOR A: i119 B: i120

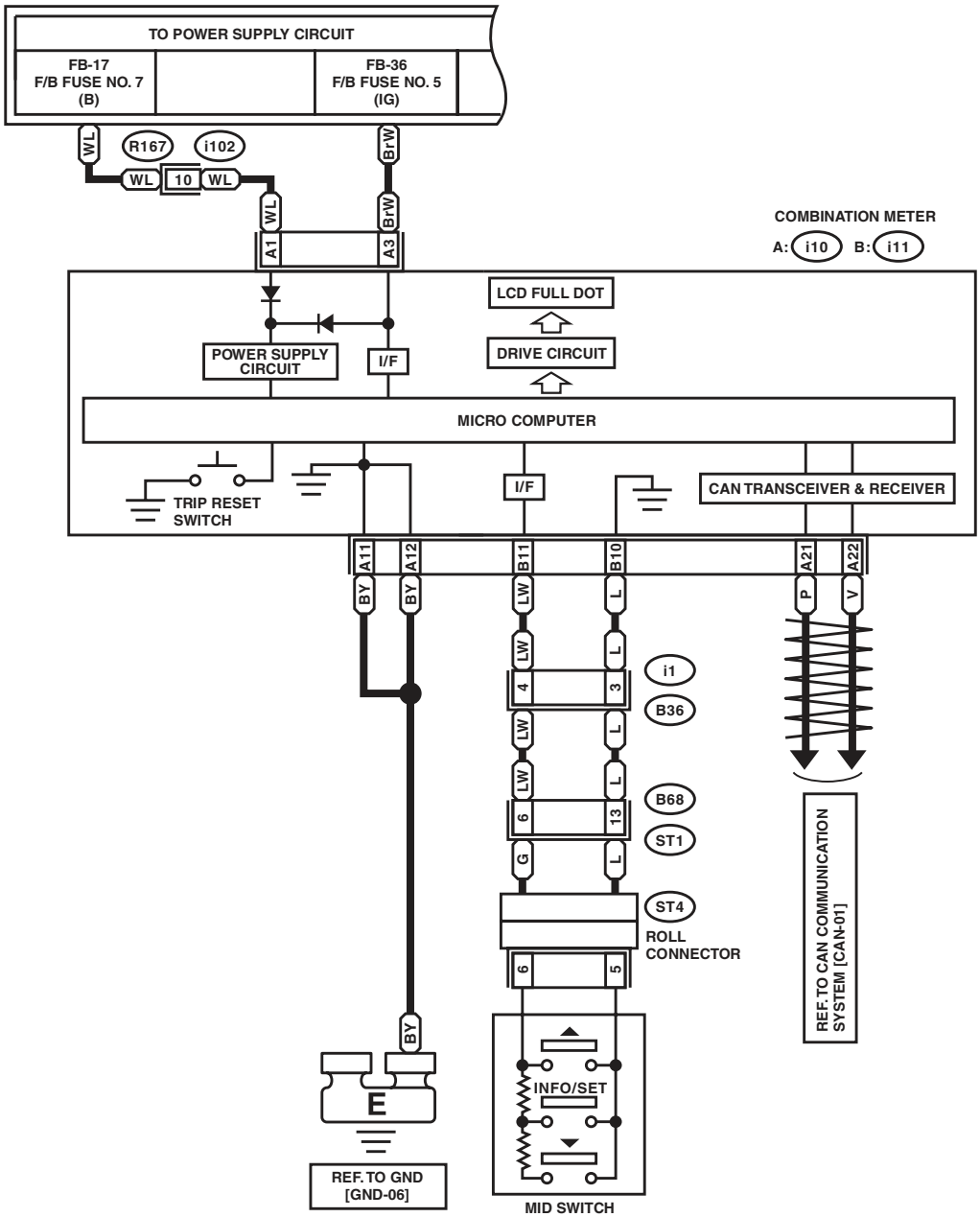
i106
i107
i88 (BLACK)
A: i119 (BLACK)
B: i120 (BLACK)
i1
A: i84 (GRAY)

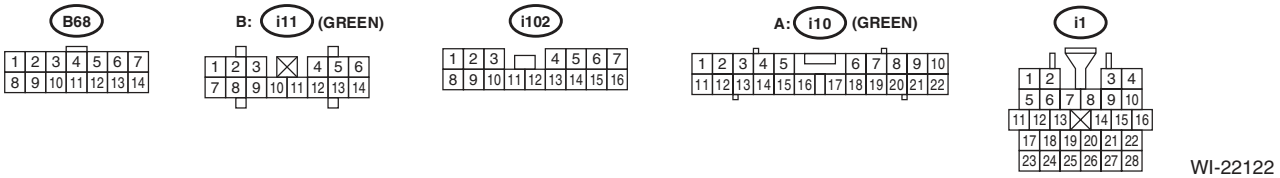
WI-21011

35. Multi-Information Display (MID) System

A: WIRING DIAGRAM

MID-01



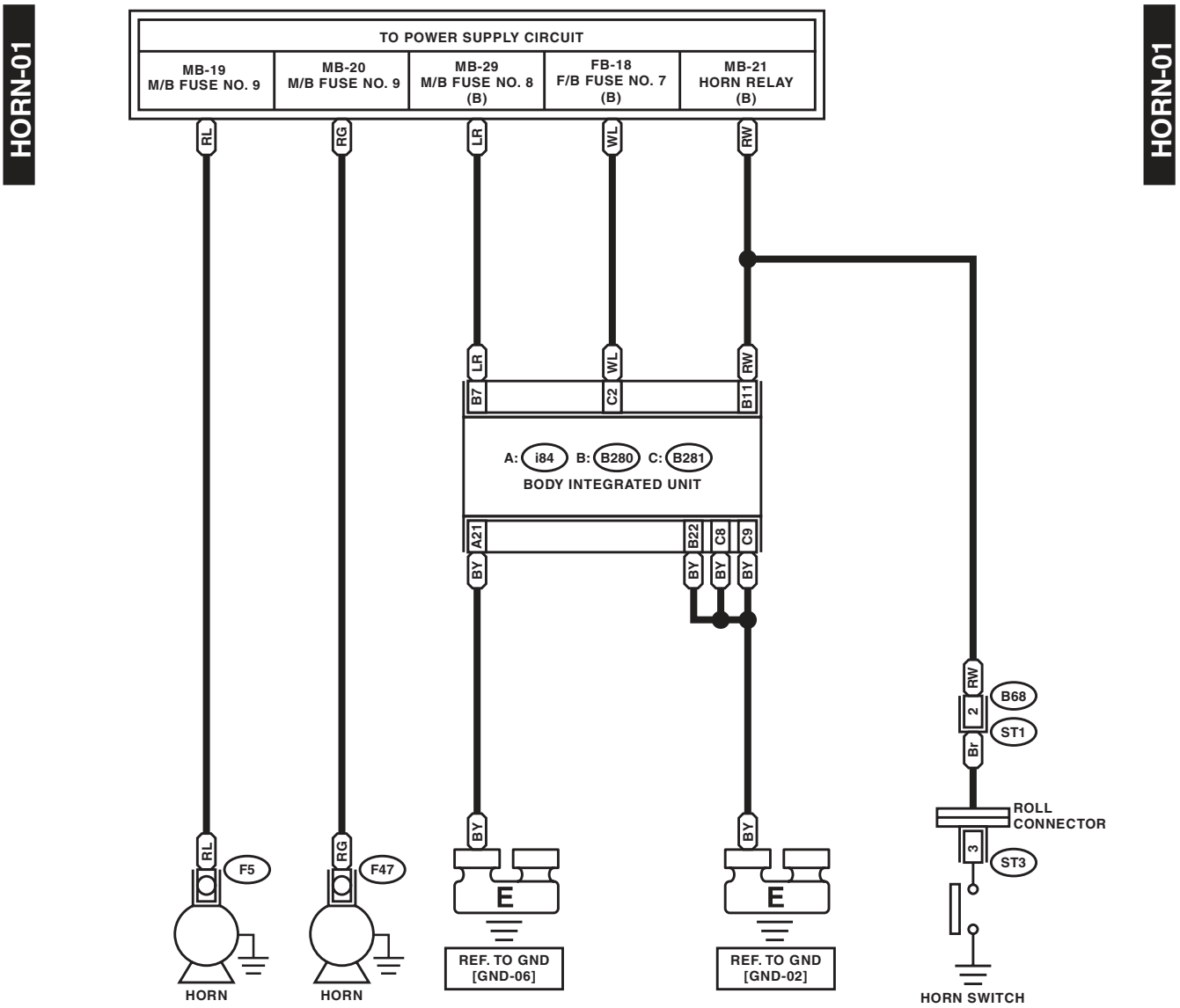


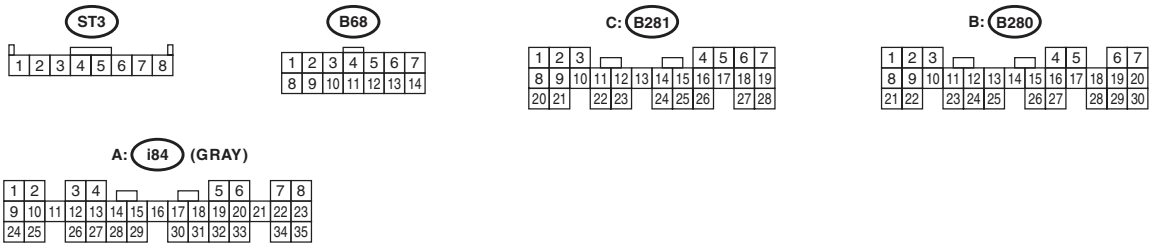
WI-22122

MID-01

36.Horn System

A: WIRING DIAGRAM

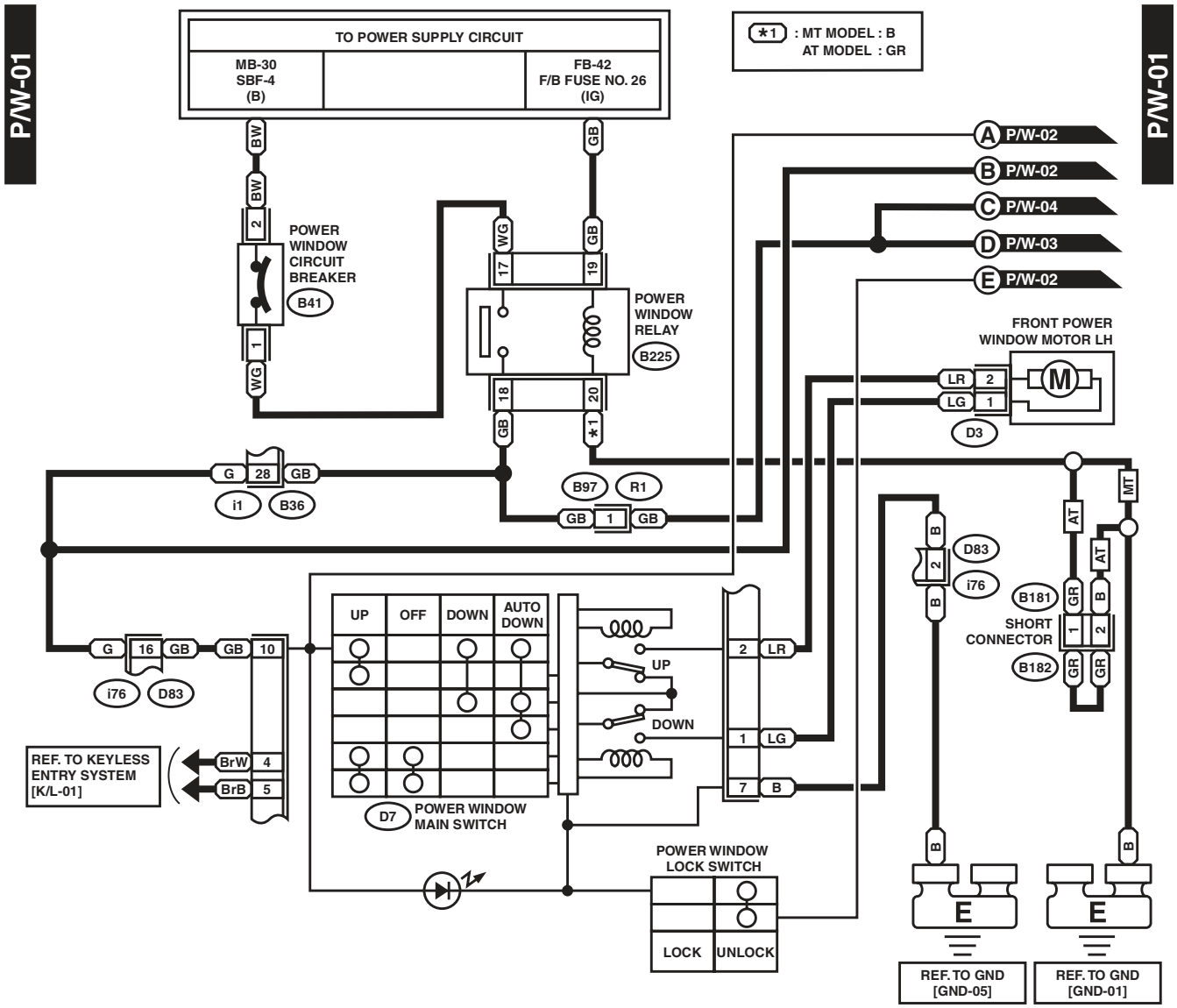


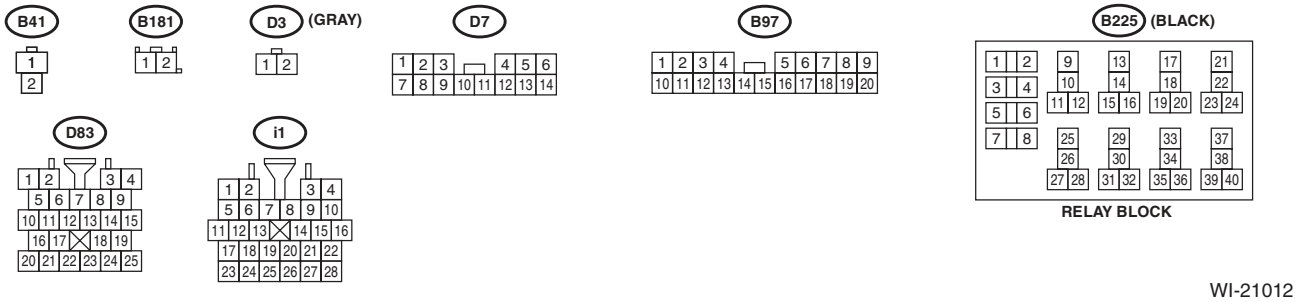


WI-15876

37. Power Window System

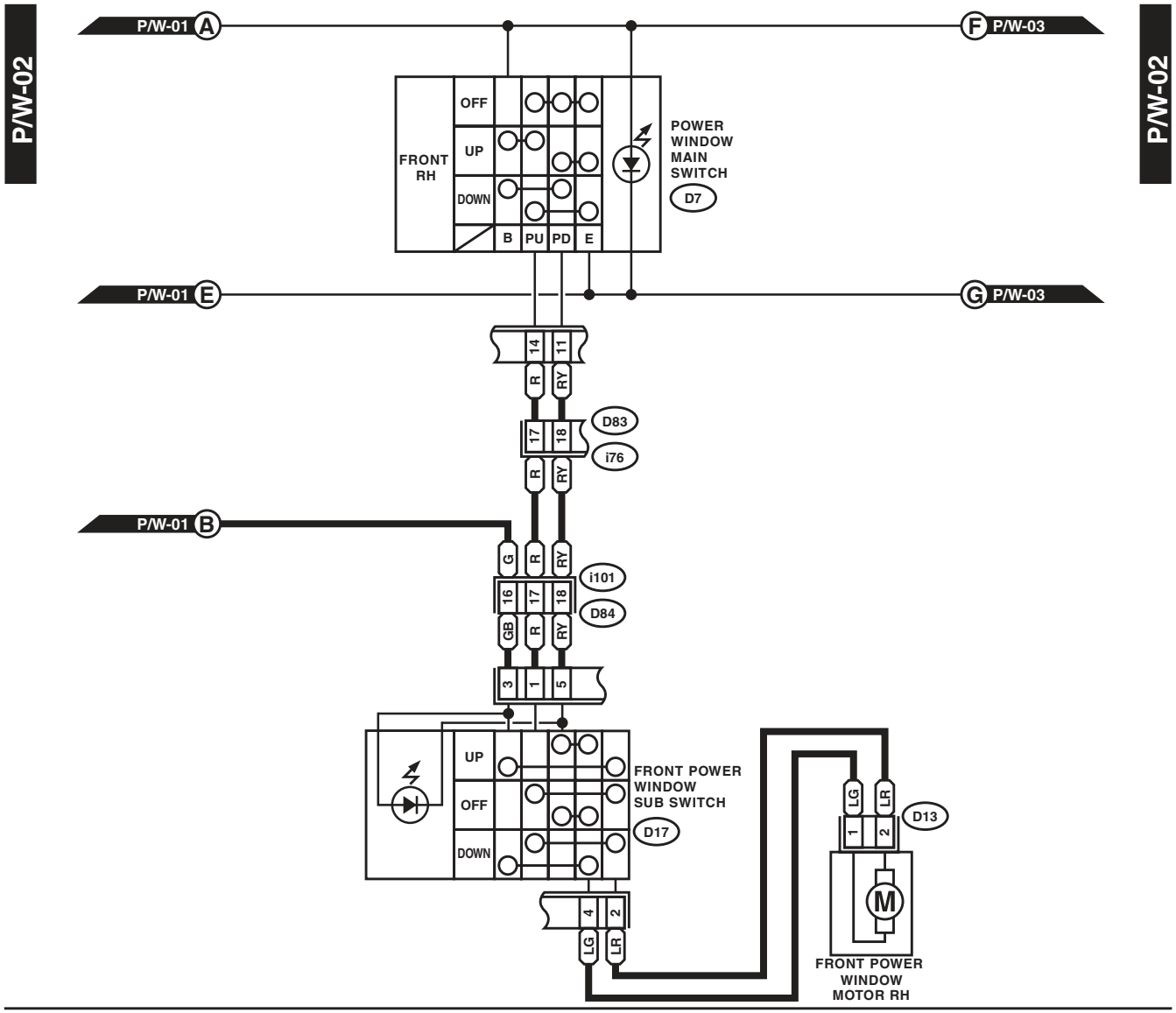
A: WIRING DIAGRAM

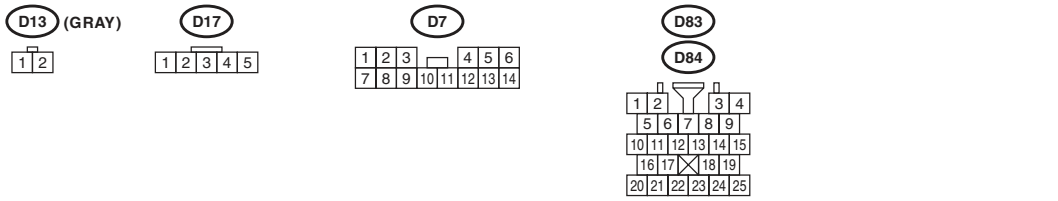




WI-21012

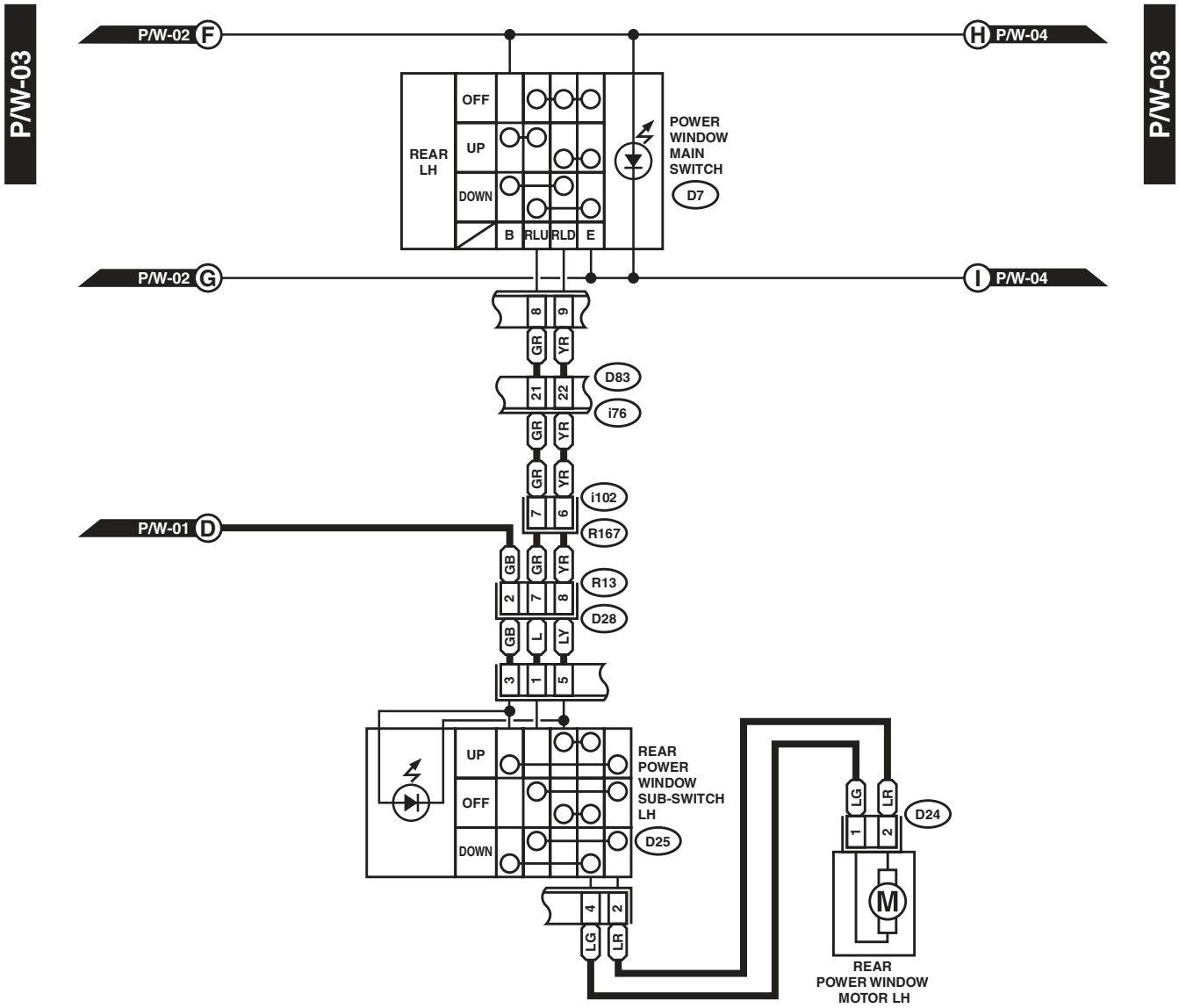
Power Window System

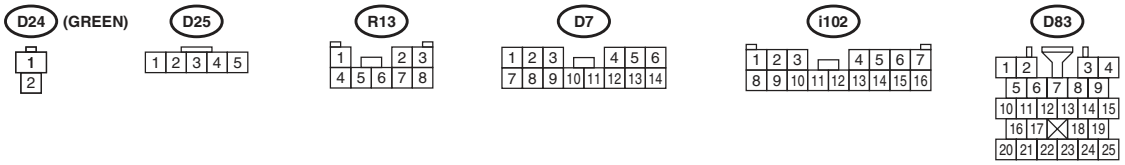




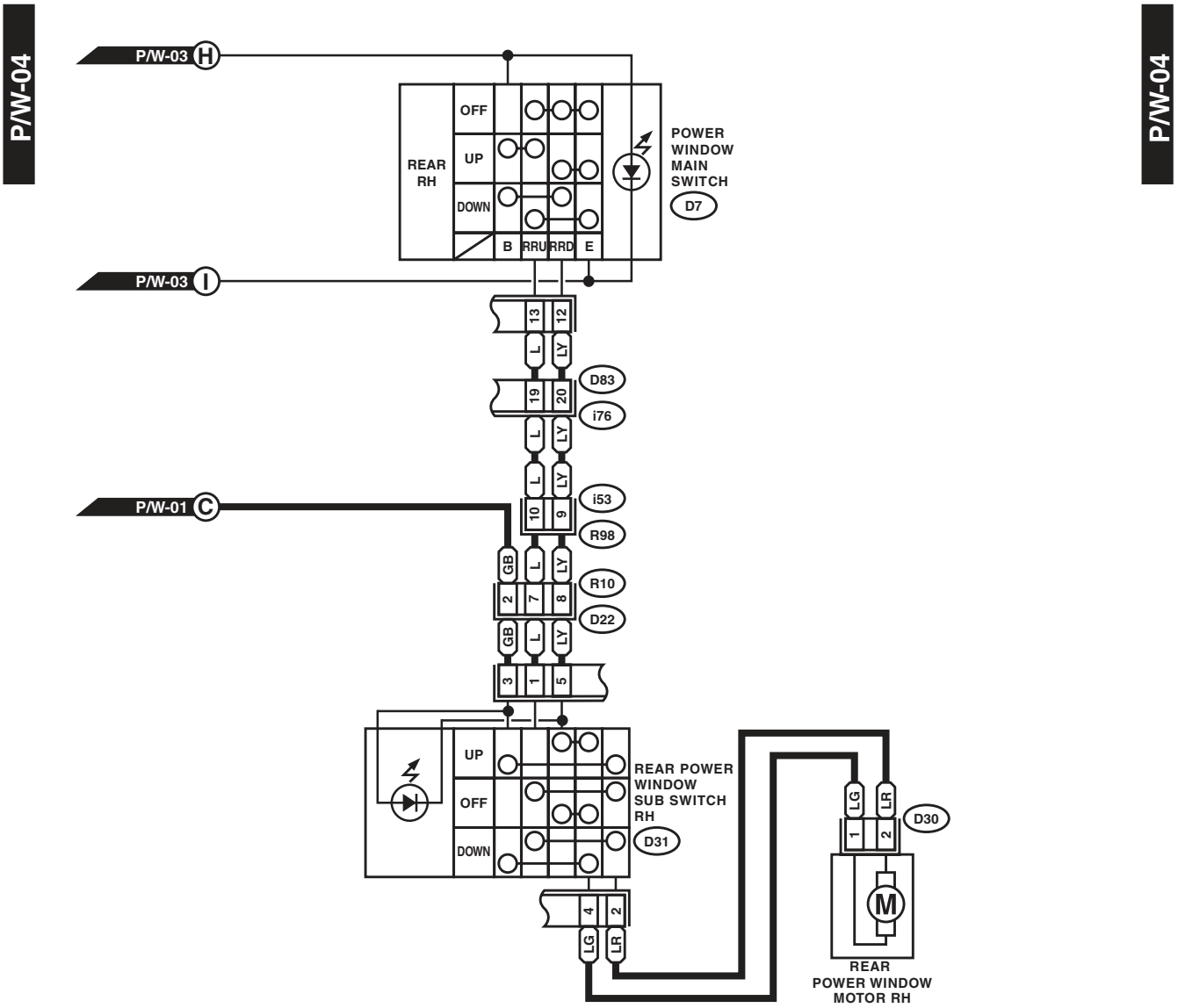
WI-13259

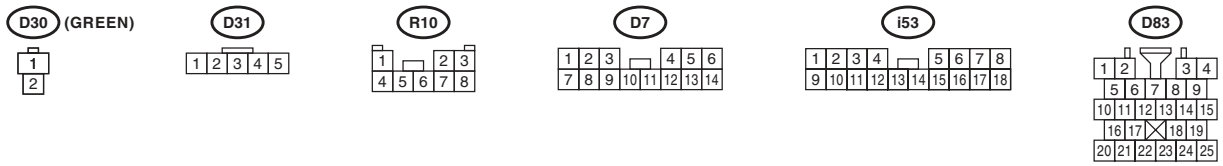
WIRING SYSTEM





WI-21013

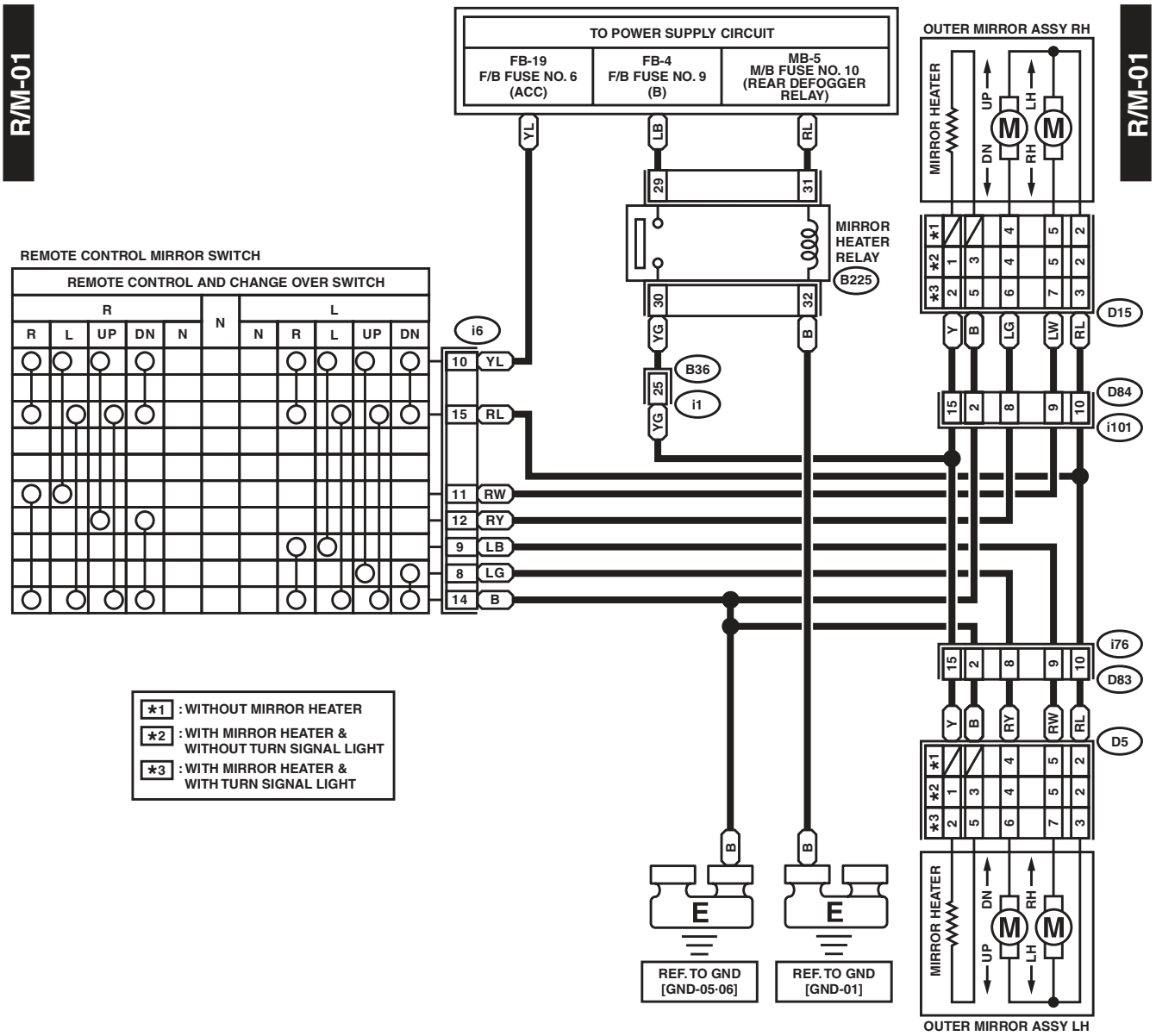

P/W-04
P/W-04
P/W-03 H
P/W-03 I
P/W-01 C
REAR RH
OFF
UP
DOWN
B
RRU
RRD
E
POWER WINDOW MAIN SWITCH
D7
13
12
L
LY
D83
19
20
i76
L
LY
L
LY
i53
10
9
R98
GB
L
LY
R10
2
7
8
D22
GB
L
LY
3
1
5
UP
OFF
DOWN
REAR POWER WINDOW SUB SWITCH RH
D31
4
2
LG
LR
LG
LR
D30
1
2
M
REAR POWER WINDOW MOTOR RH

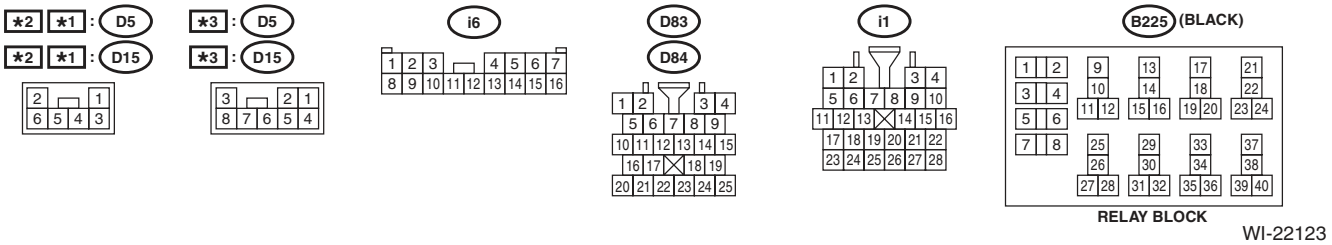

D30 (GREEN)
D31
R10
D7
i53
D83

WI-13261

38. Remote Control Mirror System

A: WIRING DIAGRAM

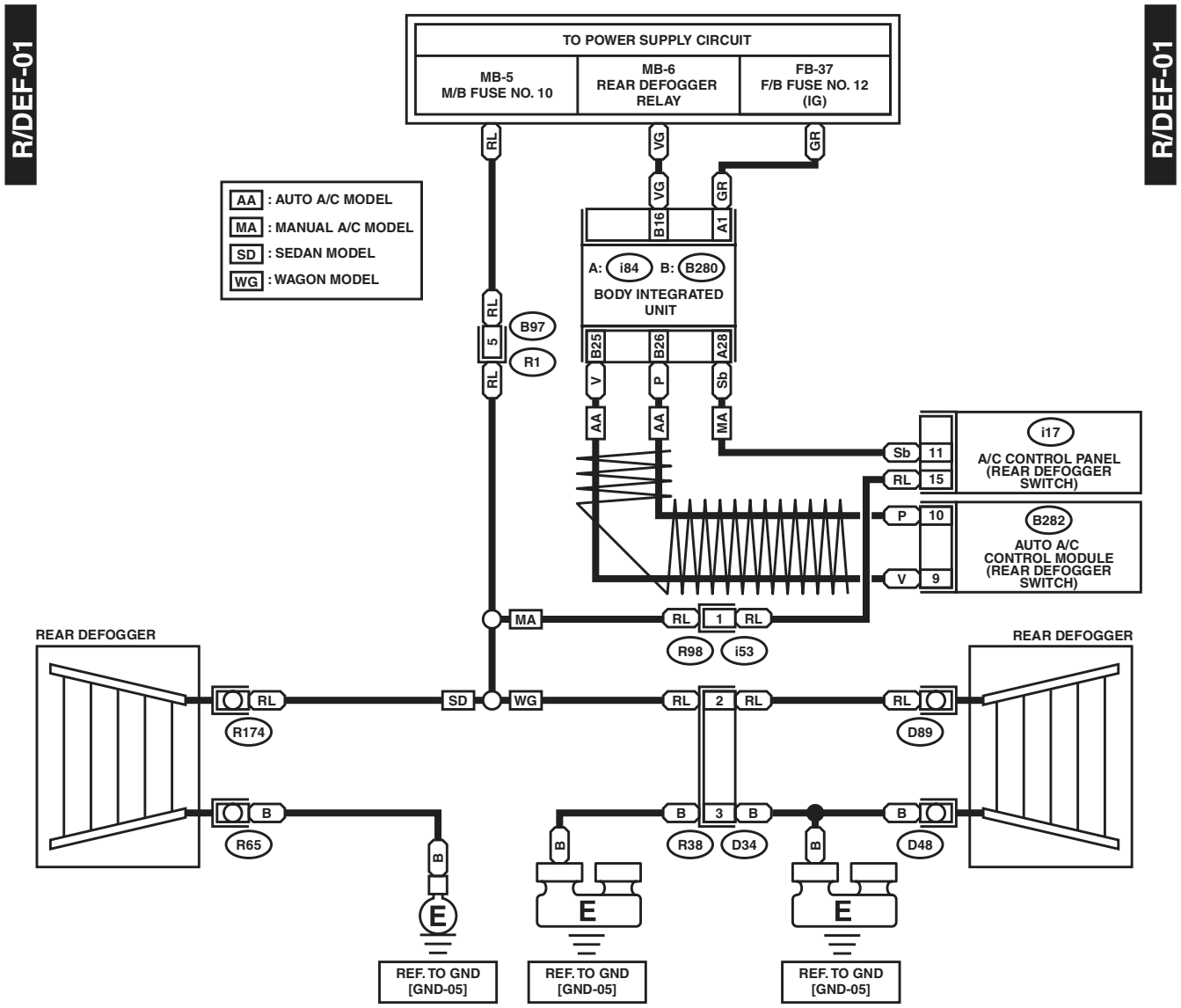


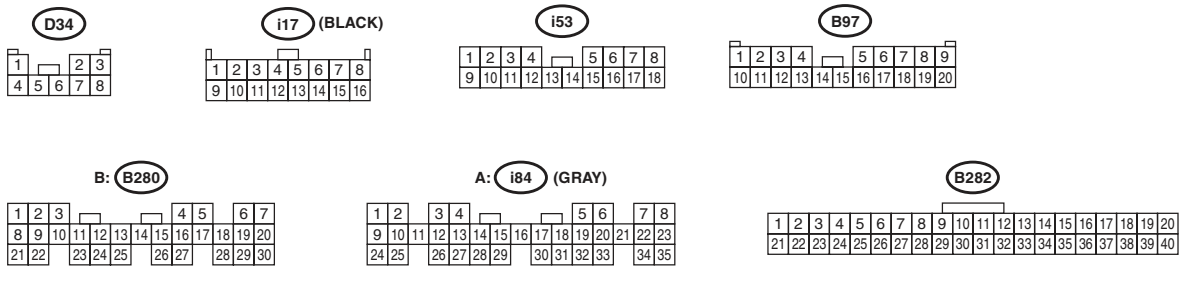


WI-22123

39. Rear Defogger System

A: WIRING DIAGRAM





WI-22124

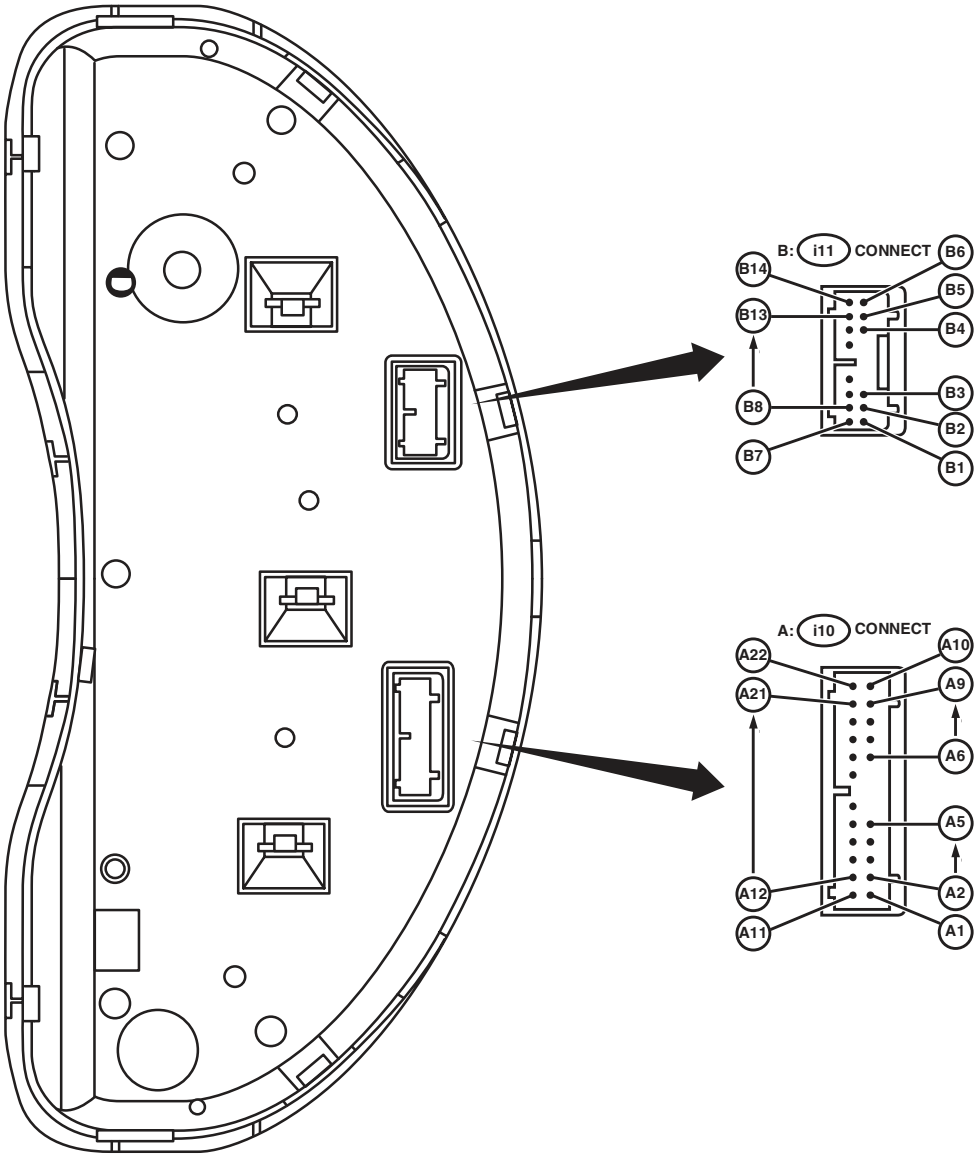
40.Combination Meter System

A: WIRING DIAGRAM

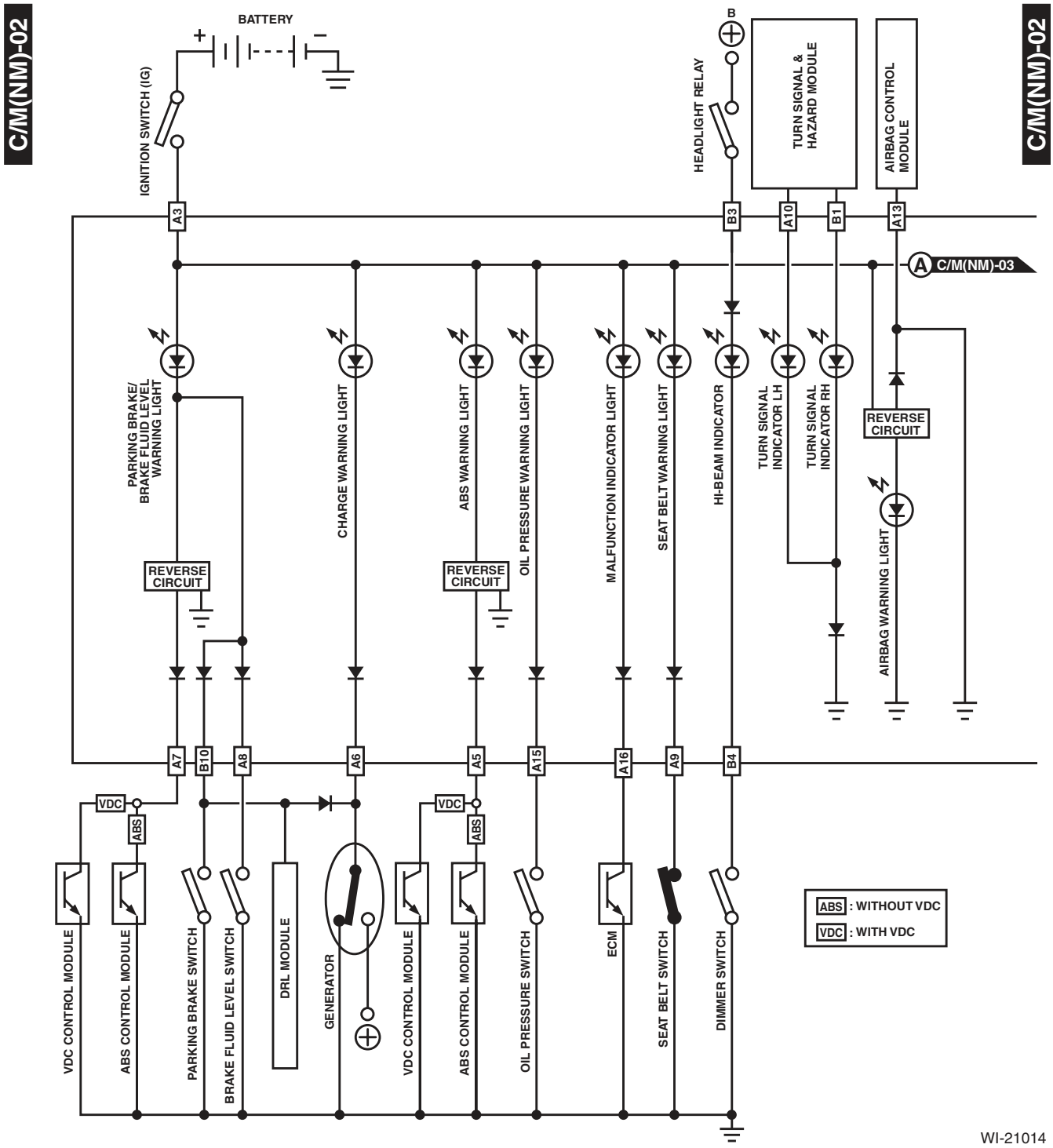
1. NORMAL METER

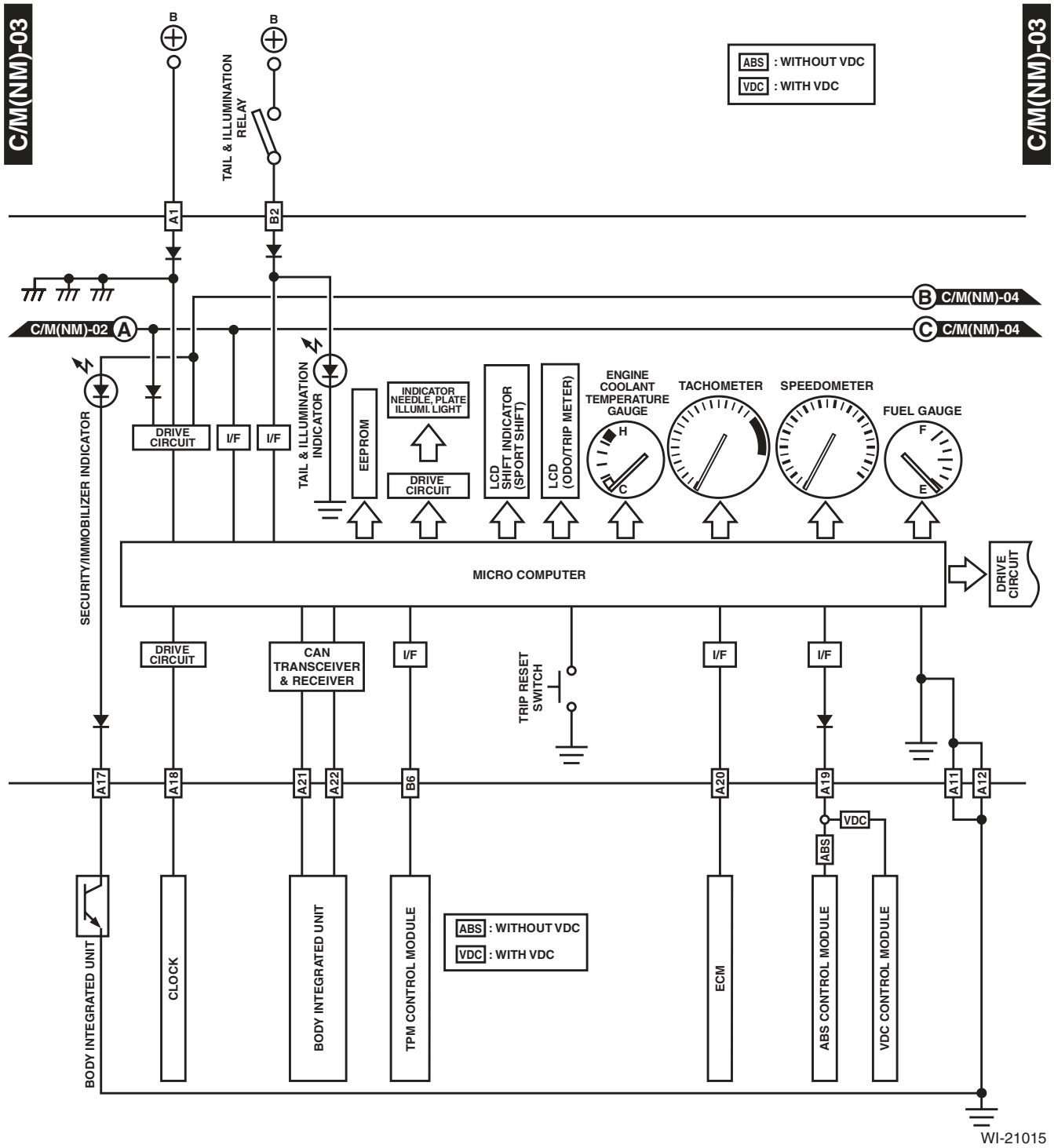
C/M(NM)-01

C/M(NM)-01

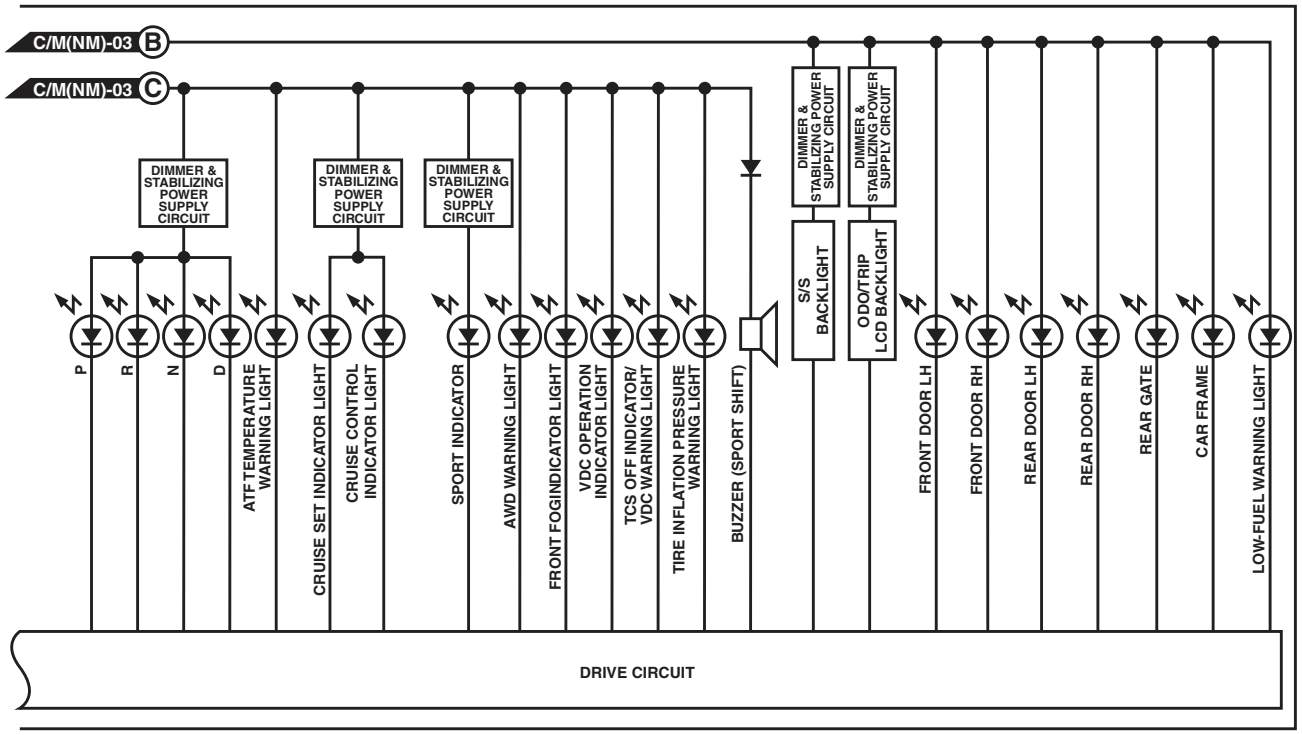


WI-16204


C/M(NM)-02
C/M(NM)-02
BATTERY
IGNITION SWITCH (IG)
HEADLIGHT RELAY
TURN SIGNAL & HAZARD MODULE
AIRBAG CONTROL MODULE
A3
B3
A10
B1
A13
A C/M(NM)-03
PARKING BRAKE/ BRAKE FLUID LEVEL WARNING LIGHT
CHARGE WARNING LIGHT
ABS WARNING LIGHT
OIL PRESSURE WARNING LIGHT
MALFUNCTION INDICATOR LIGHT
SEAT BELT WARNING LIGHT
HI-BEAM INDICATOR
TURN SIGNAL INDICATOR LH
TURN SIGNAL INDICATOR RH
REVERSE CIRCUIT
AIRBAG WARNING LIGHT
REVERSE CIRCUIT
REVERSE CIRCUIT
A7
B10
A8
A6
A5
A15
A16
A9
B4
VDC
ABS
VDC
ABS
VDC CONTROL MODULE
ABS CONTROL MODULE
PARKING BRAKE SWITCH
BRAKE FLUID LEVEL SWITCH
DRL MODULE
GENERATOR
VDC CONTROL MODULE
ABS CONTROL MODULE
OIL PRESSURE SWITCH
ECM
SEAT BELT SWITCH
DIMMER SWITCH
ABS : WITHOUT VDC
VDC : WITH VDC
WI-21014


C/M(NM)-03
C/M(NM)-03
B
B
TAIL & ILLUMINATION RELAY
ABS : WITHOUT VDC
VDC : WITH VDC
A1
B2
B C/M(NM)-04
C C/M(NM)-04
C/M(NM)-02 A
SECURITY/IMMOBILIZER INDICATOR
DRIVE CIRCUIT
I/F
I/F
TAIL & ILLUMINATION INDICATOR
EEPROM
INDICATOR NEEDLE, PLATE ILLUMI. LIGHT
DRIVE CIRCUIT
LCD SHIFT INDICATOR (SPORT SHIFT)
LCD (ODO/TRIP METER)
ENGINE COOLANT TEMPERATURE GAUGE
H
C
TACHOMETER
SPEEDOMETER
FUEL GAUGE
F
E
MICRO COMPUTER
DRIVE CIRCUIT
DRIVE CIRCUIT
CAN TRANSCEIVER & RECEIVER
I/F
TRIP RESET SWITCH
I/F
I/F
A17
A18
A21
A22
B6
A20
A19
A11
A12
VDC
ABS
BODY INTEGRATED UNIT
CLOCK
BODY INTEGRATED UNIT
TPM CONTROL MODULE
ABS : WITHOUT VDC
VDC : WITH VDC
ECM
ABS CONTROL MODULE
VDC CONTROL MODULE
WI-21015

C/M(NM)-04

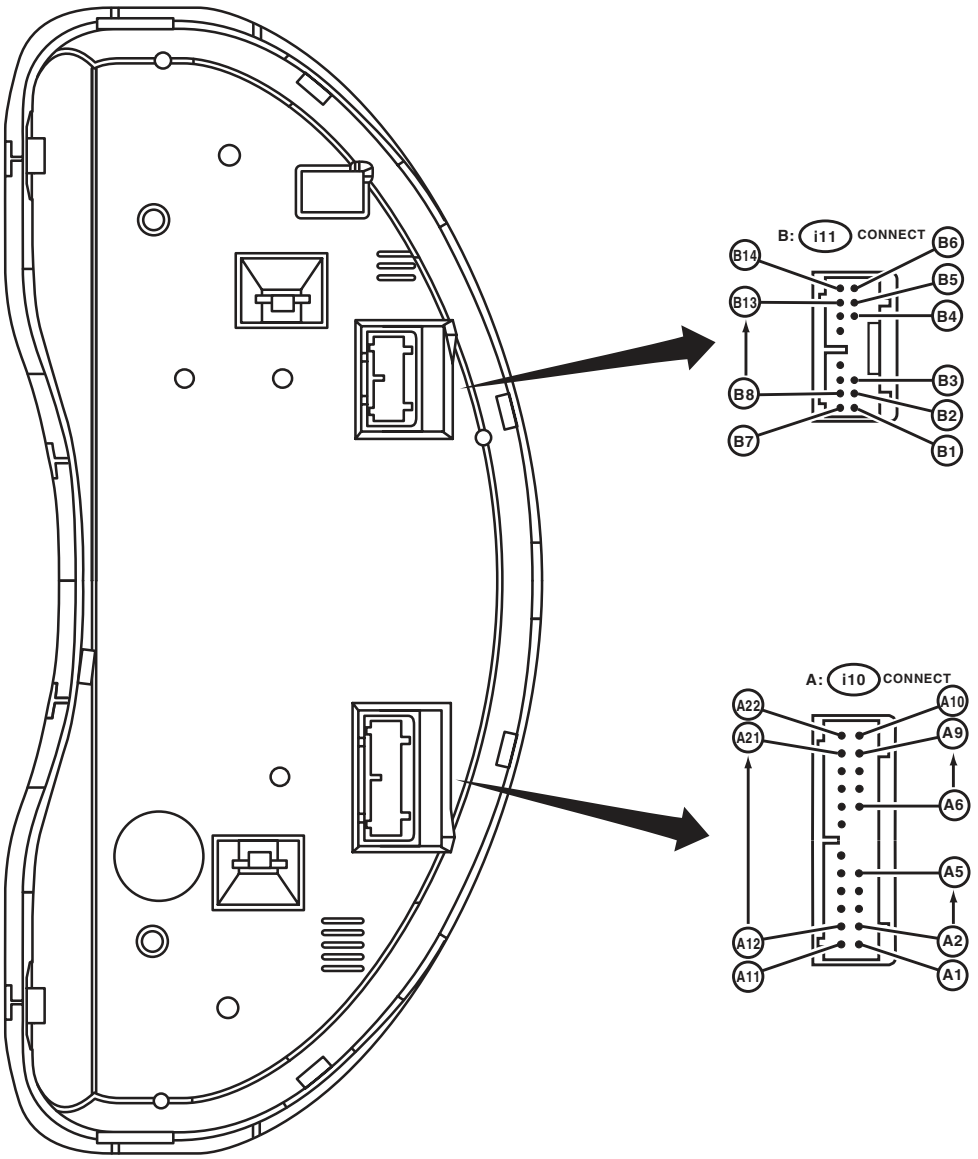


WI-21016

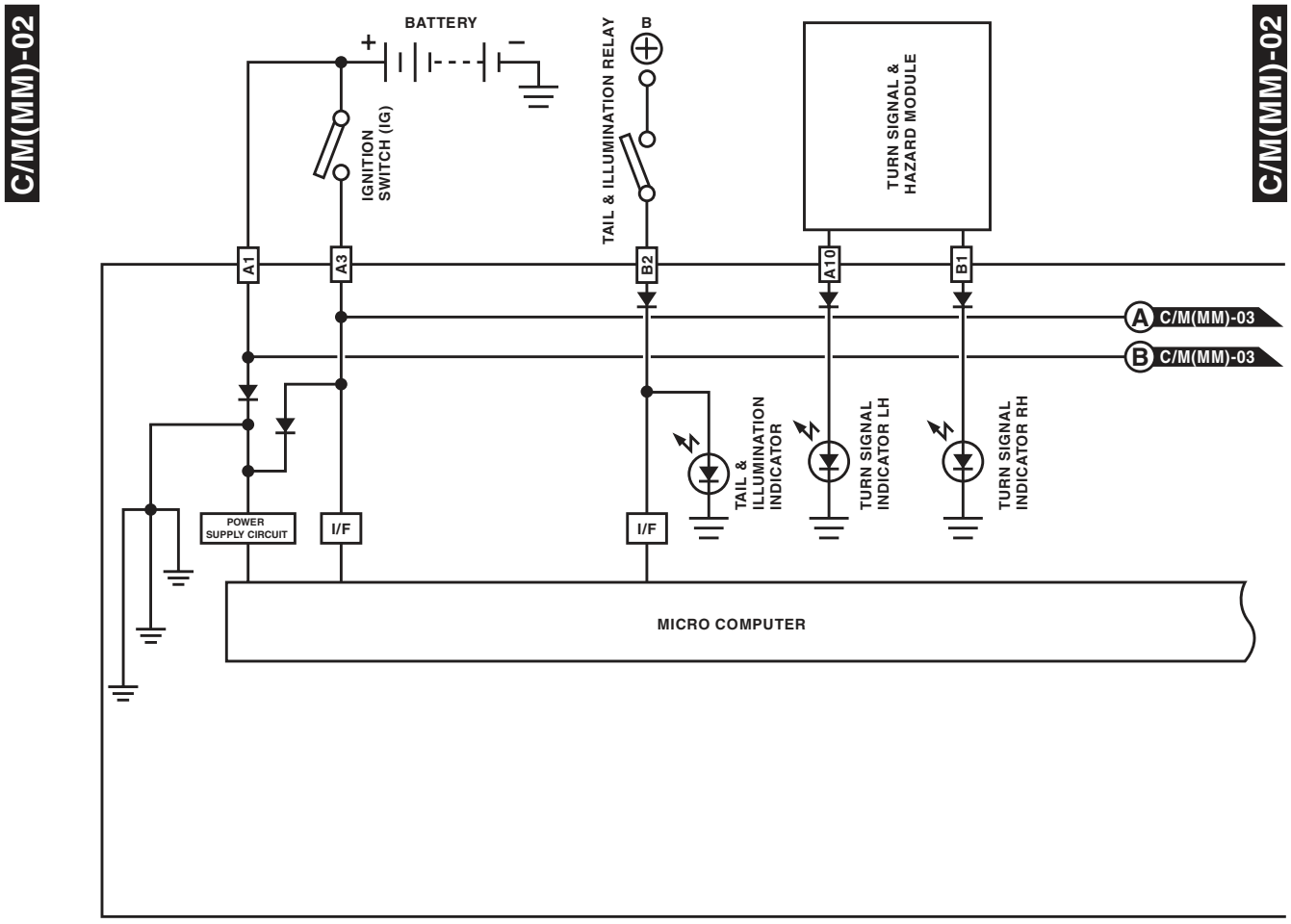
2. MULTI METER

C/M(MM)-01

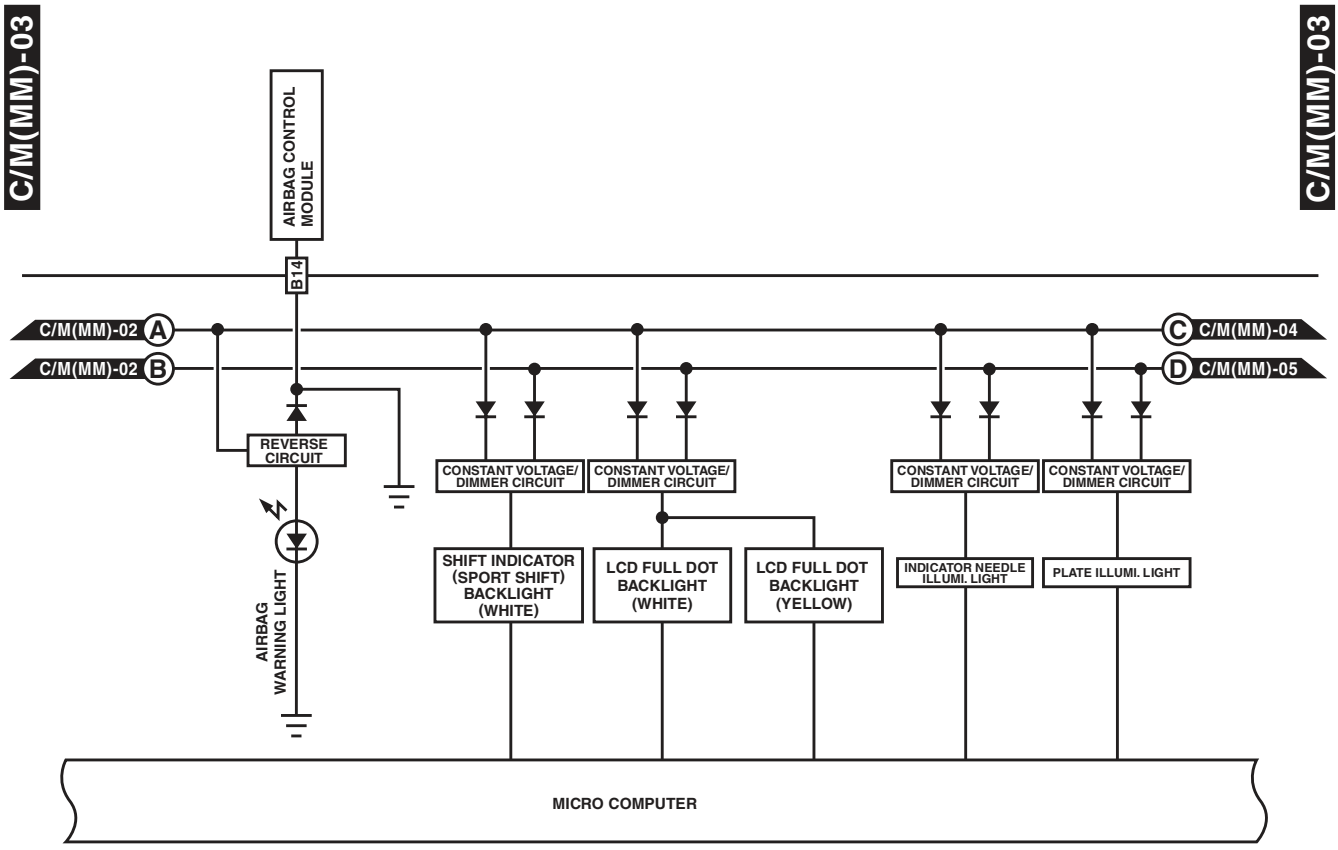
C/M(MM)-01



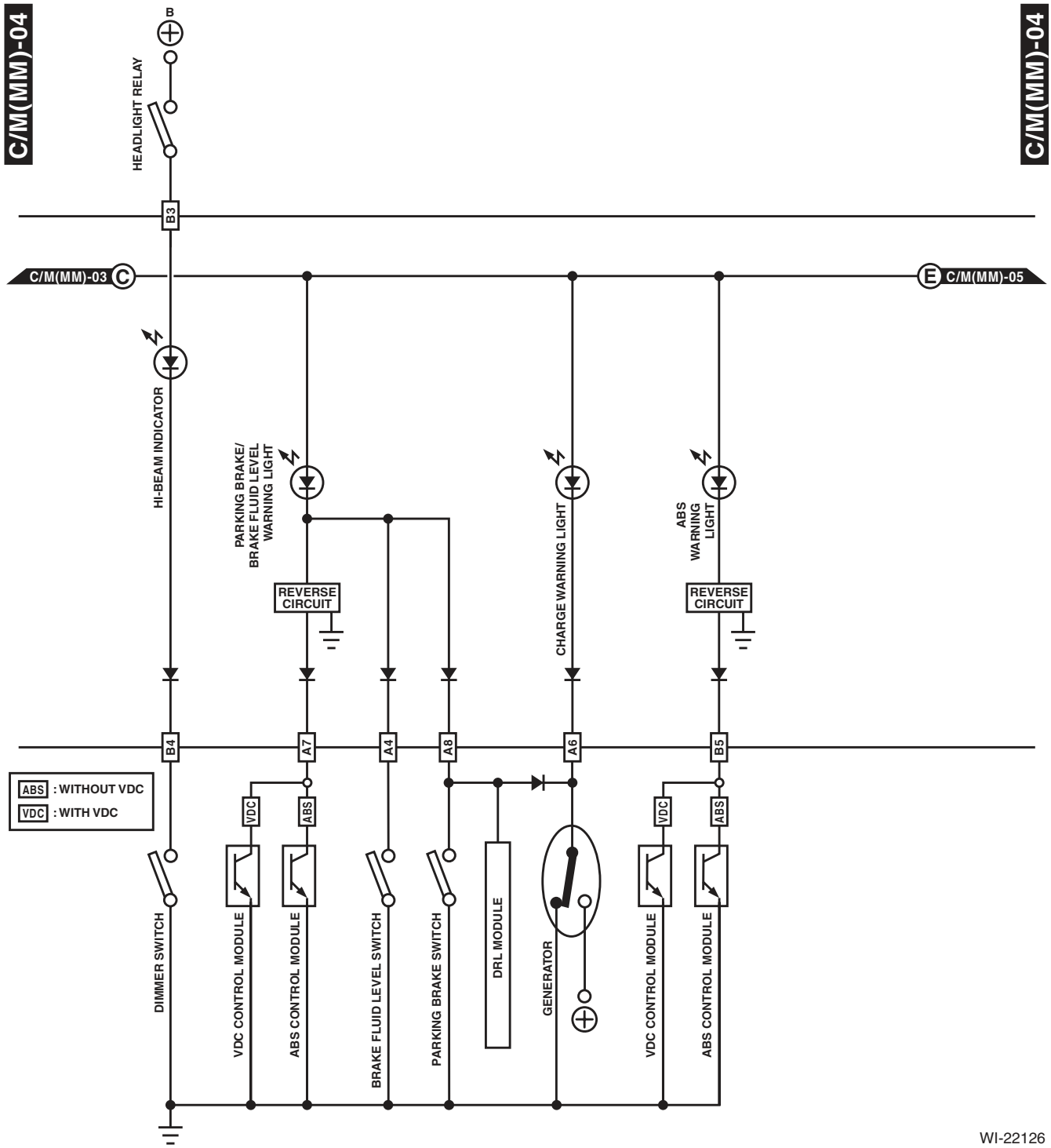
WI-13268


C/M(MM)-02
C/M(MM)-02
BATTERY
+
−
IGNITION SWITCH (IG)
TAIL & ILLUMINATION RELAY
B
TURN SIGNAL & HAZARD MODULE
A1
A3
B2
A10
B1
A C/M(MM)-03
B C/M(MM)-03
TAIL & ILLUMINATION INDICATOR
TURN SIGNAL INDICATOR LH
TURN SIGNAL INDICATOR RH
POWER SUPPLY CIRCUIT
I/F
I/F
MICRO COMPUTER

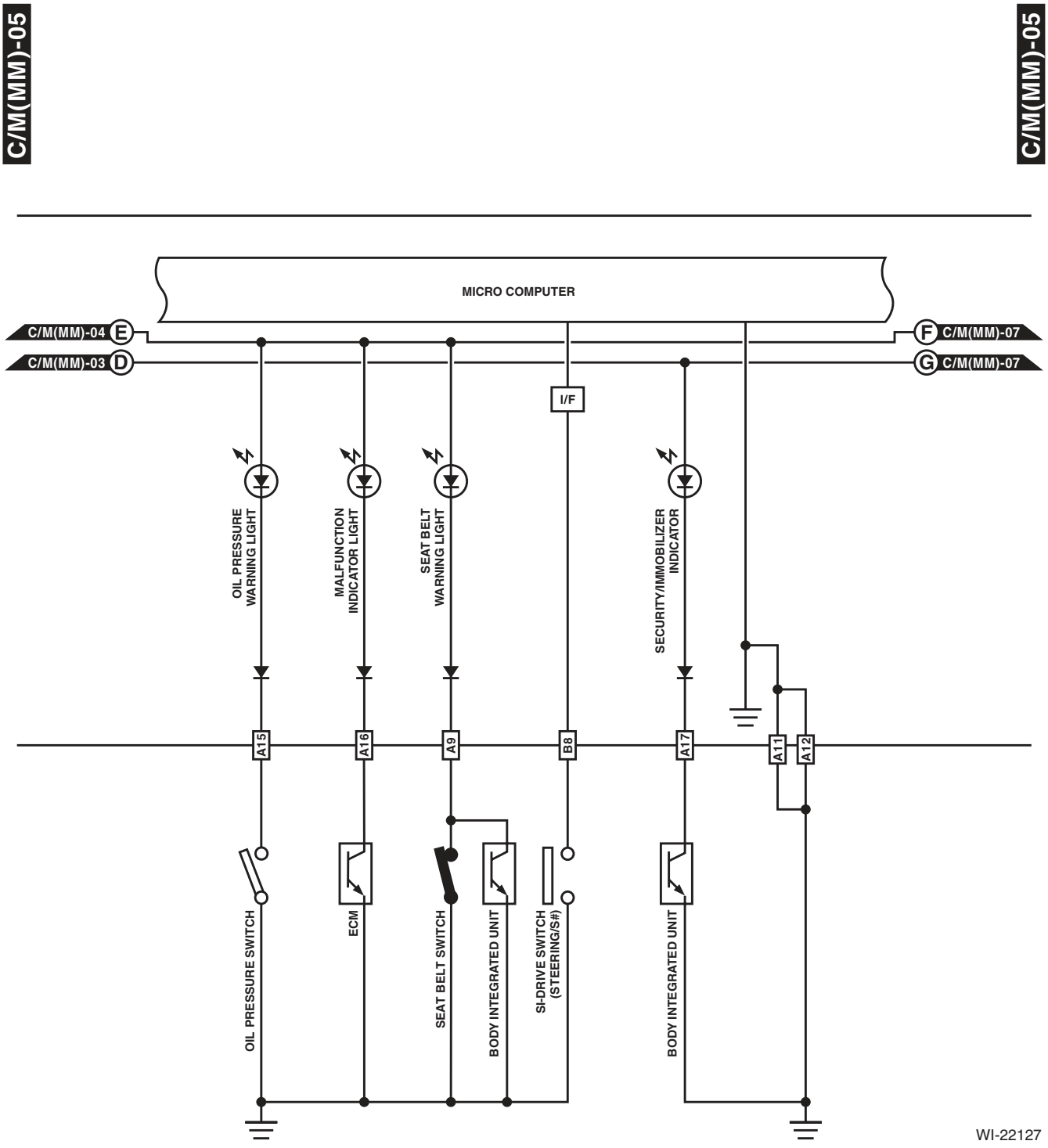
WI-15883


C/M(MM)-03
C/M(MM)-03
AIRBAG CONTROL MODULE
B14
C/M(MM)-02 A
C/M(MM)-02 B
C C/M(MM)-04
D C/M(MM)-05
REVERSE CIRCUIT
CONSTANT VOLTAGE/ DIMMER CIRCUIT
CONSTANT VOLTAGE/ DIMMER CIRCUIT
CONSTANT VOLTAGE/ DIMMER CIRCUIT
CONSTANT VOLTAGE/ DIMMER CIRCUIT
AIRBAG WARNING LIGHT
SHIFT INDICATOR (SPORT SHIFT) BACKLIGHT (WHITE)
LCD FULL DOT BACKLIGHT (WHITE)
LCD FULL DOT BACKLIGHT (YELLOW)
INDICATOR NEEDLE ILLUMI. LIGHT
PLATE ILLUMI. LIGHT
MICRO COMPUTER

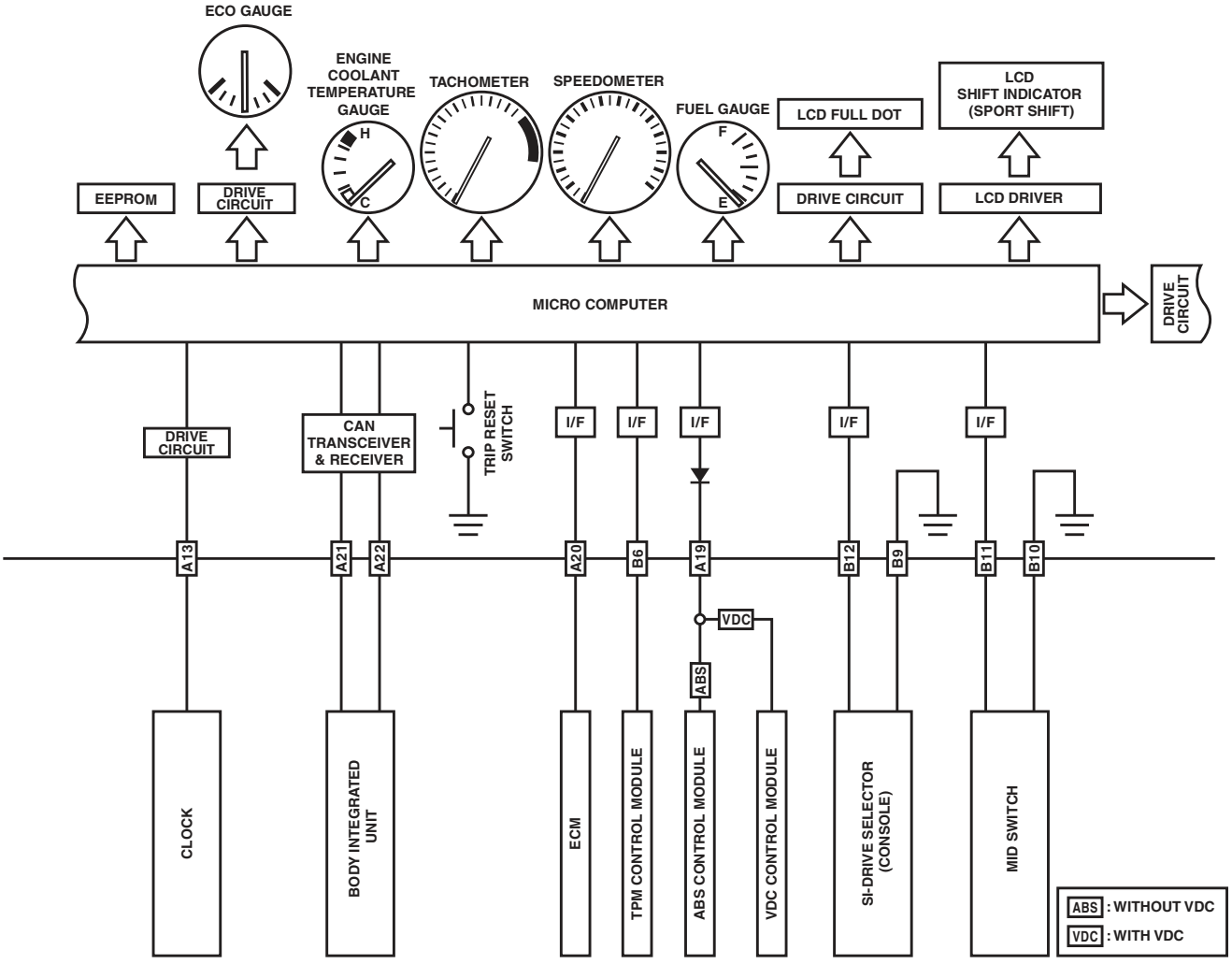
WI-22125


C/M(MM)-04
C/M(MM)-04
B
HEADLIGHT RELAY
B3
C/M(MM)-03 C
E C/M(MM)-05
HI-BEAM INDICATOR
PARKING BRAKE/
BRAKE FLUID LEVEL
WARNING LIGHT
REVERSE
CIRCUIT
CHARGE WARNING LIGHT
ABS
WARNING
LIGHT
REVERSE
CIRCUIT
B4
A7
A4
A8
A6
B5
ABS : WITHOUT VDC
VDC : WITH VDC
VDC
ABS
VDC
ABS
DIMMER SWITCH
VDC CONTROL MODULE
ABS CONTROL MODULE
BRAKE FLUID LEVEL SWITCH
PARKING BRAKE SWITCH
DRL MODULE
GENERATOR
VDC CONTROL MODULE
ABS CONTROL MODULE

WI-22126


C/M(MM)-05
C/M(MM)-05
MICRO COMPUTER
C/M(MM)-04 E
C/M(MM)-03 D
F C/M(MM)-07
G C/M(MM)-07
I/F
OIL PRESSURE WARNING LIGHT
MALFUNCTION INDICATOR LIGHT
SEAT BELT WARNING LIGHT
SECURITY/IMMOBILIZER INDICATOR
A15
A16
A9
B8
A17
A11
A12
OIL PRESSURE SWITCH
ECM
SEAT BELT SWITCH
BODY INTEGRATED UNIT
SI-DRIVE SWITCH (STEERING/S#)
BODY INTEGRATED UNIT
WI-22127

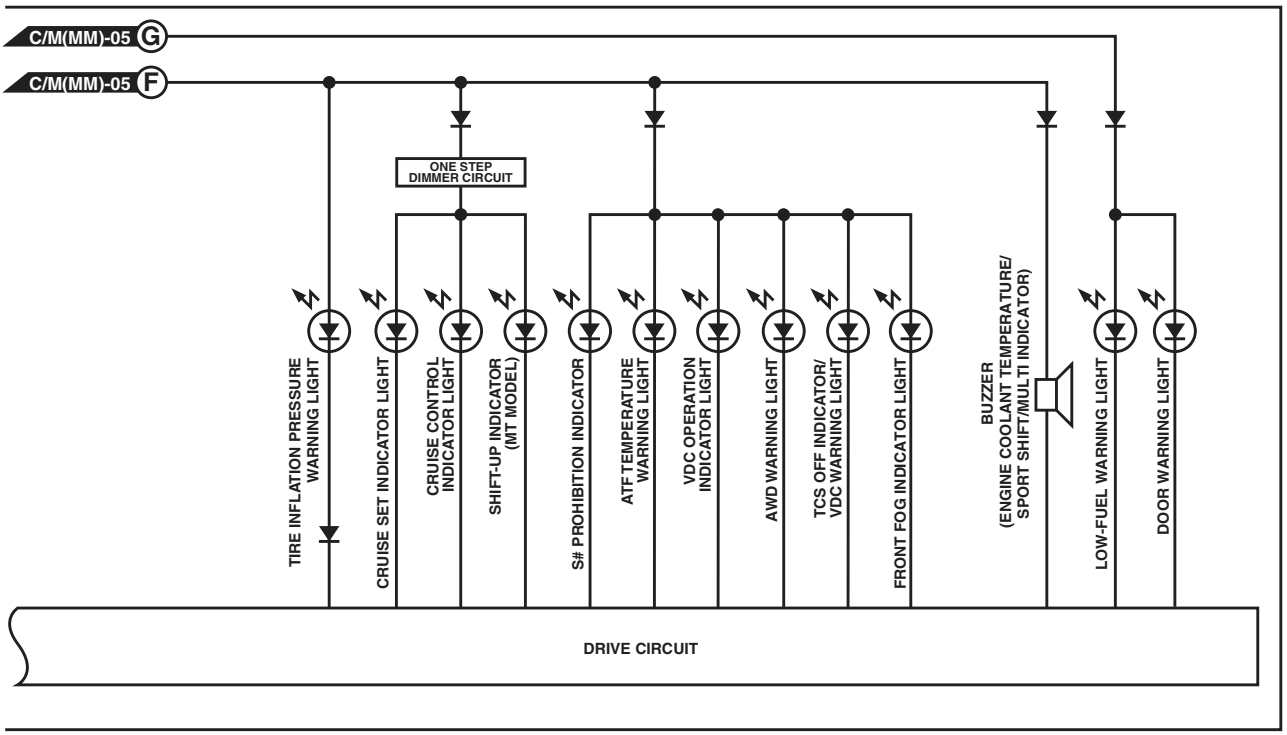
C/M(MM)-06



WI-21063

C/M(MM)-07

C/M(MM)-07

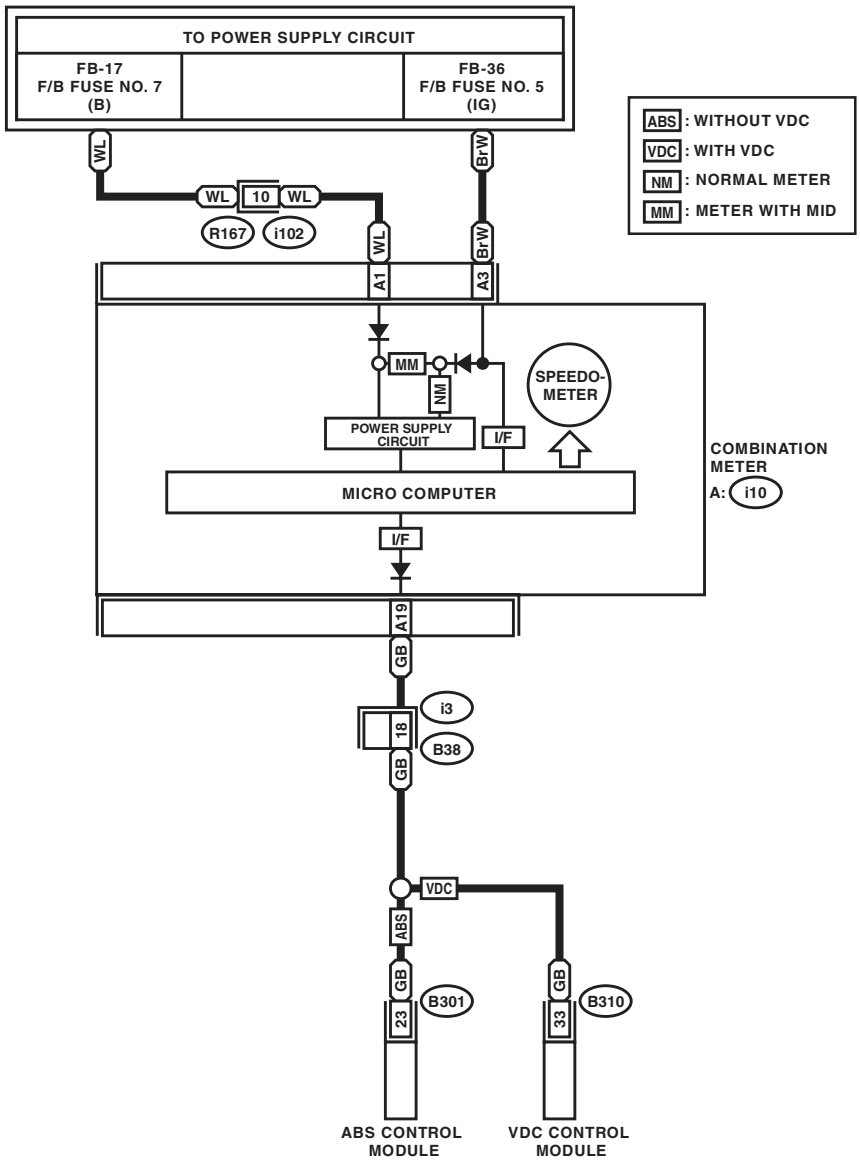


WI-21017

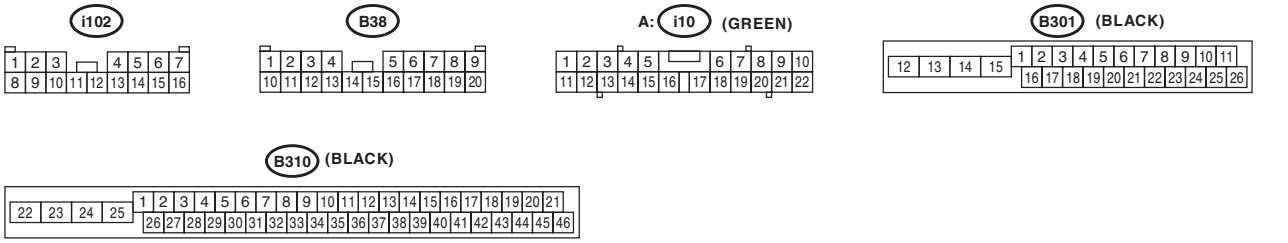
41.Speedometer System

A: WIRING DIAGRAM

SP-01



SP-01

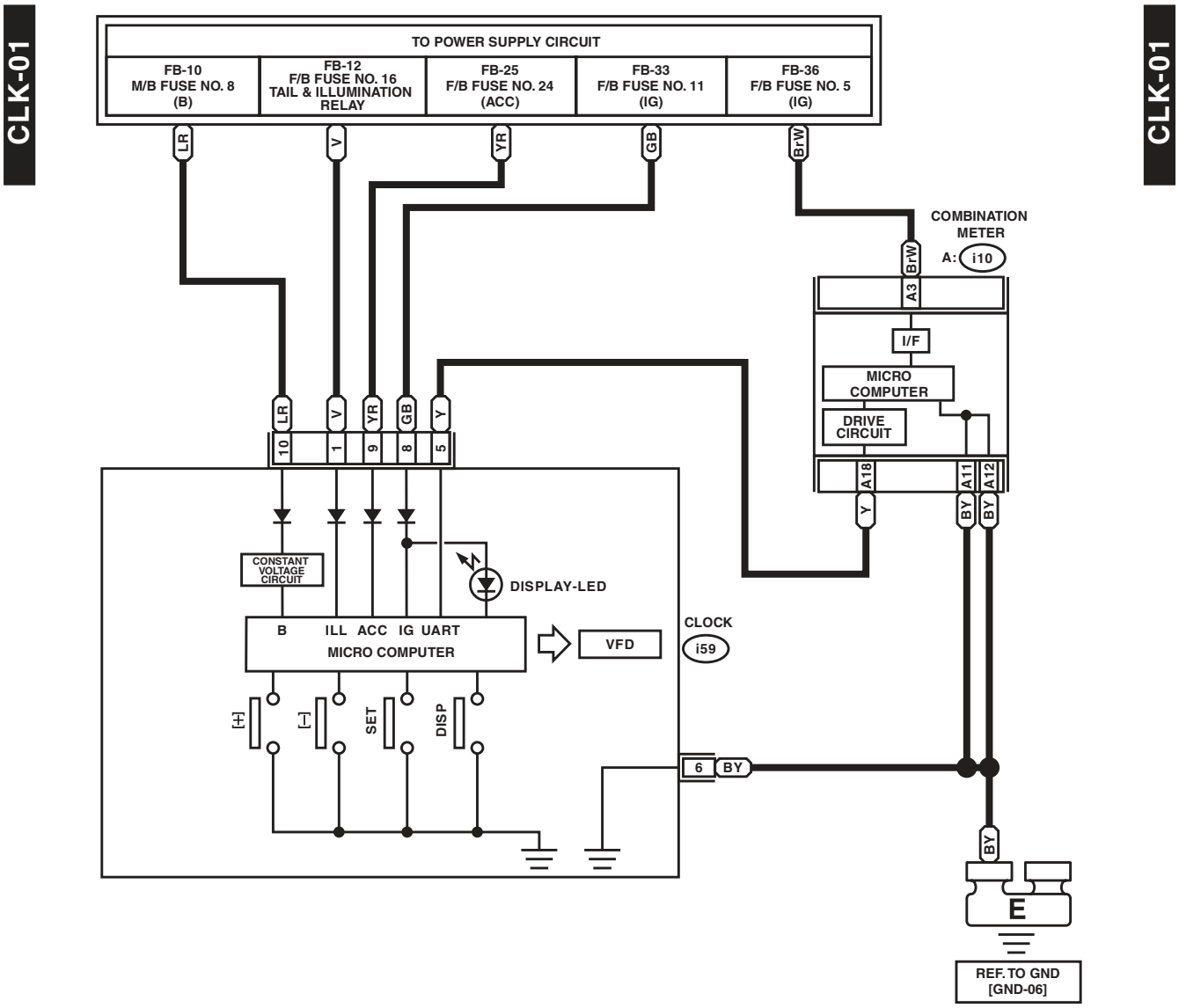


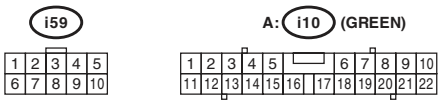
WI-15889

42. Clock System

A: WIRING DIAGRAM

1. WITH FUEL GAUGE AMBIENT AIR TEMPERATURE RESIDUAL DRIVEN DISPLAY

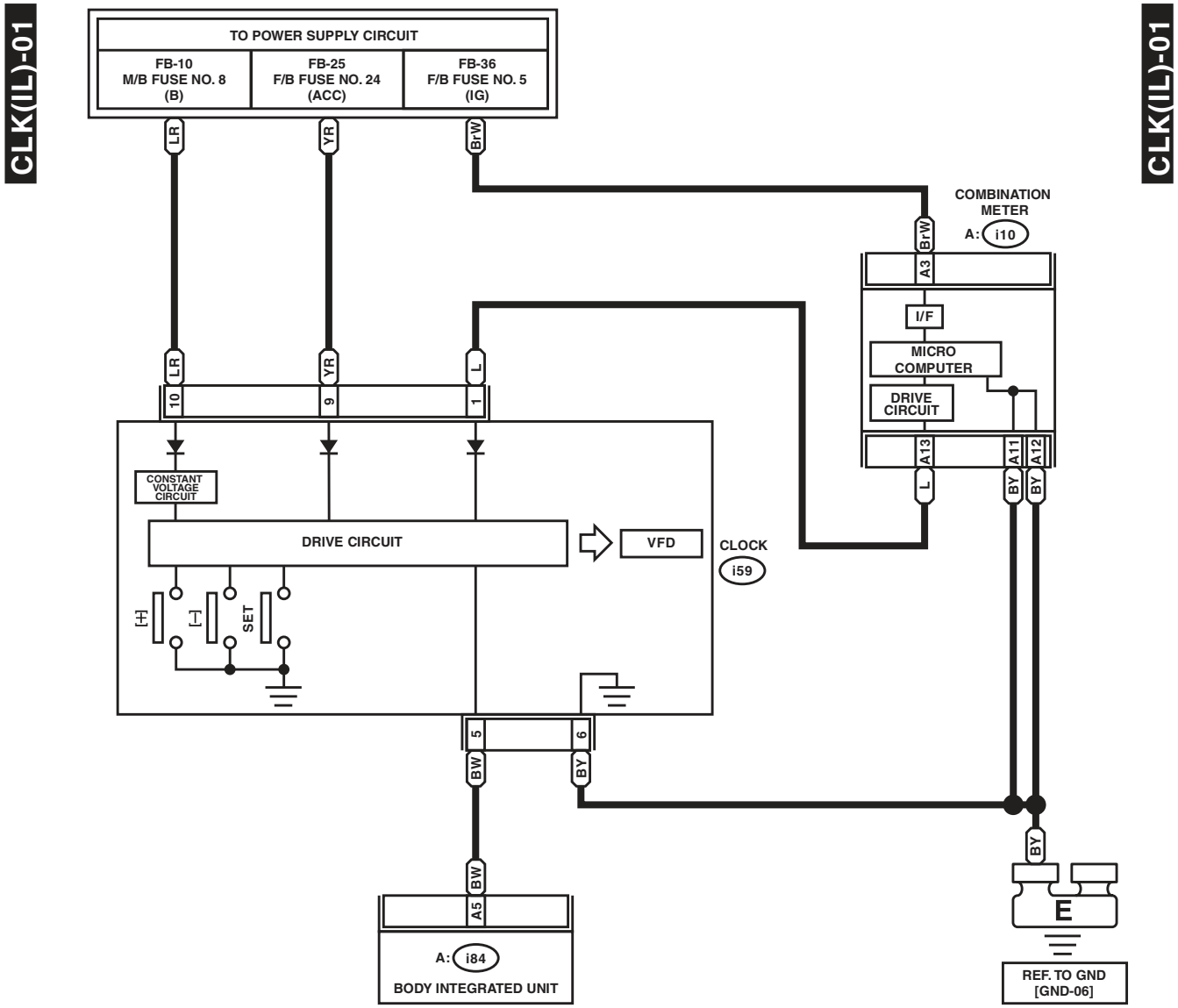




WI-22128

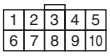
2. ONLY CLOCK DISPLAY (WITH ILLUMINATION CONTROL)

CLK(IL)-01

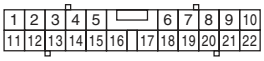


CLK(IL)-01

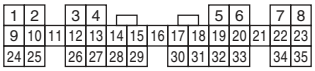
i59



A: i10 (GREEN)



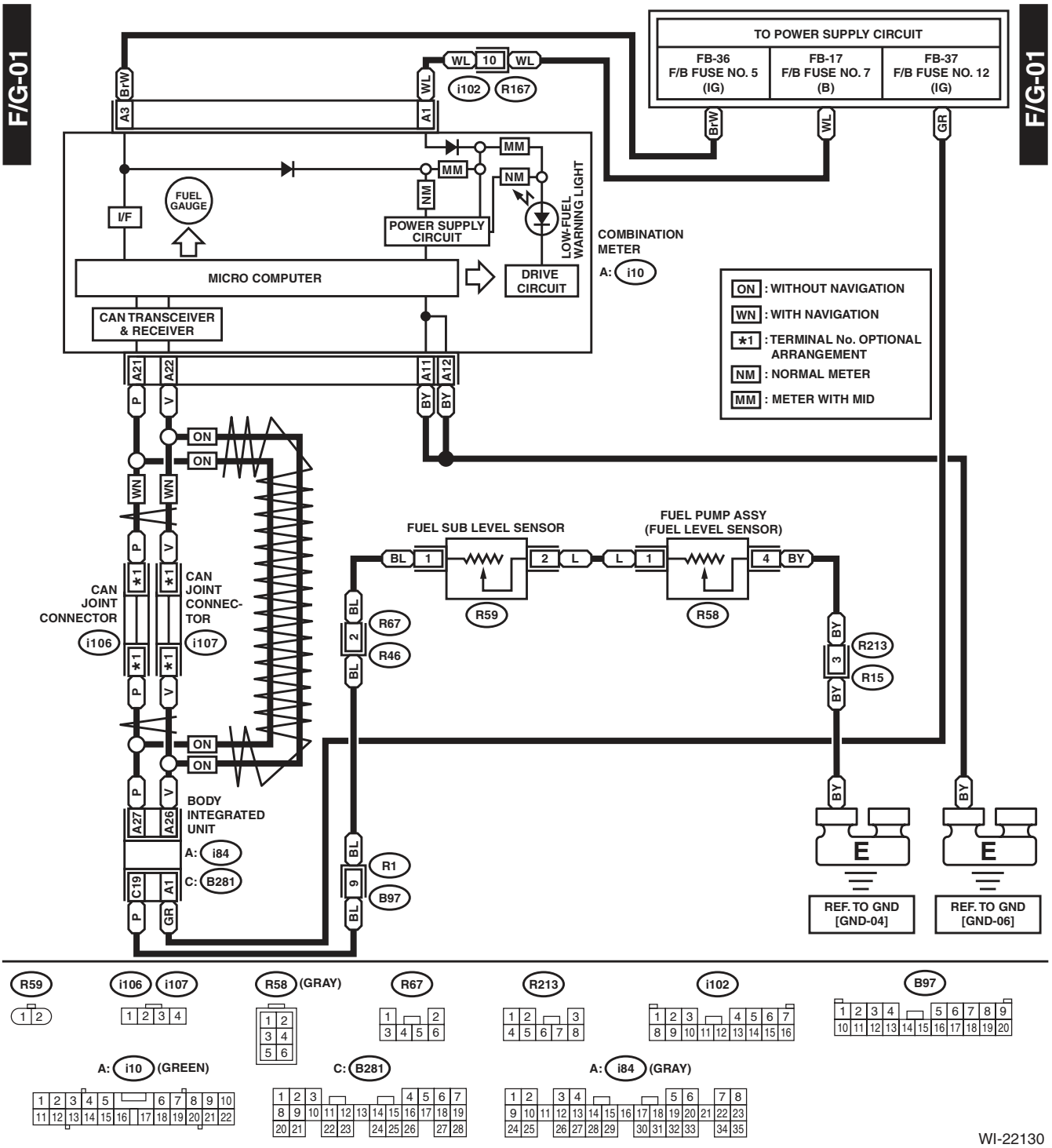
A: i84 (GRAY)



WI-22129

43. Fuel Gauge System

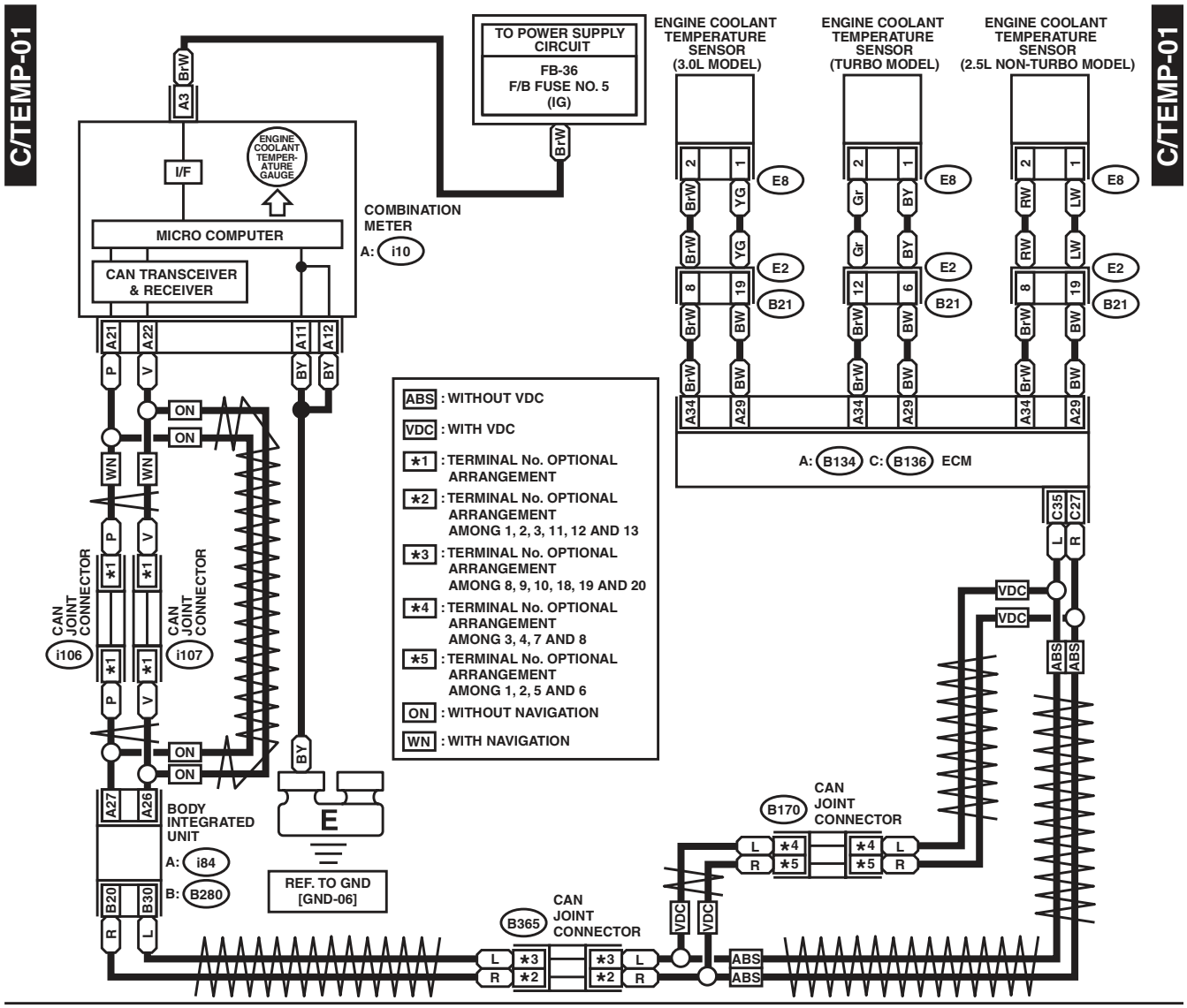
A: WIRING DIAGRAM

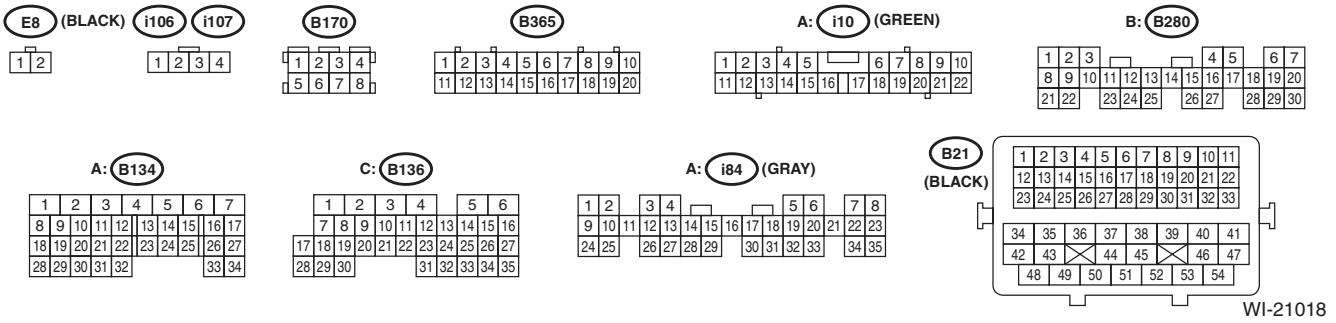


WI-22130

44.Coolant Temperature System

A: WIRING DIAGRAM



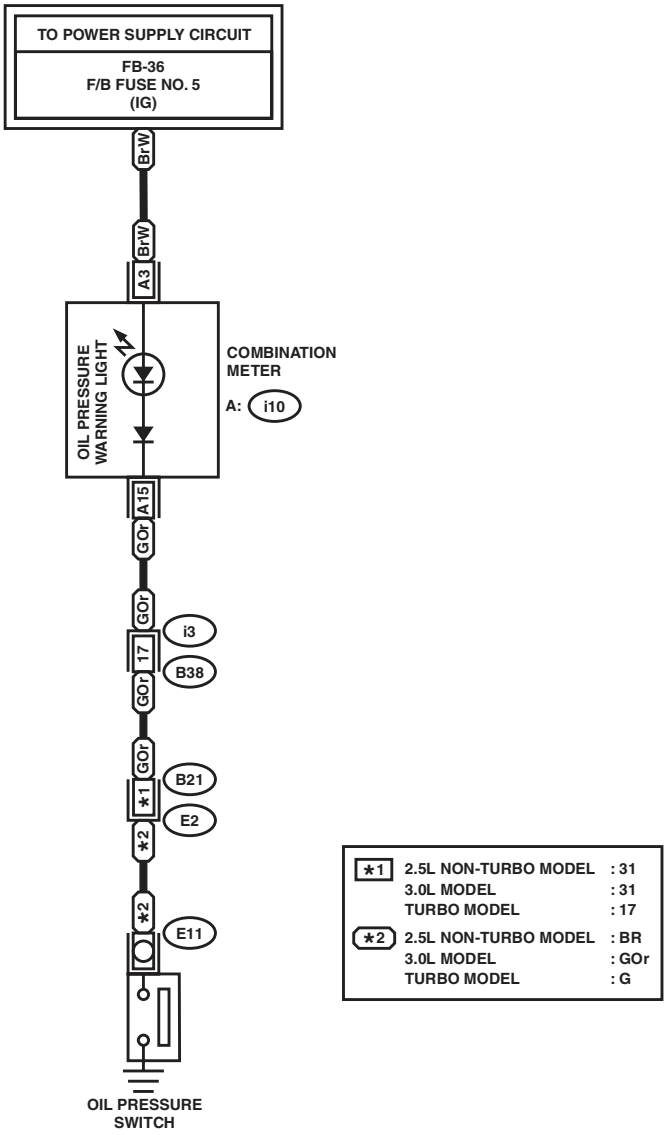


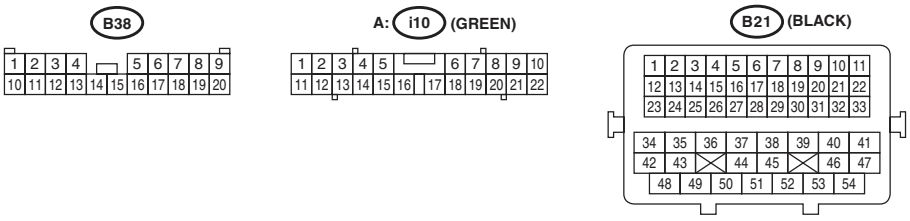
WI-21018

45.Oil Pressure Warning Light System

A: WIRING DIAGRAM

OIL/P-01

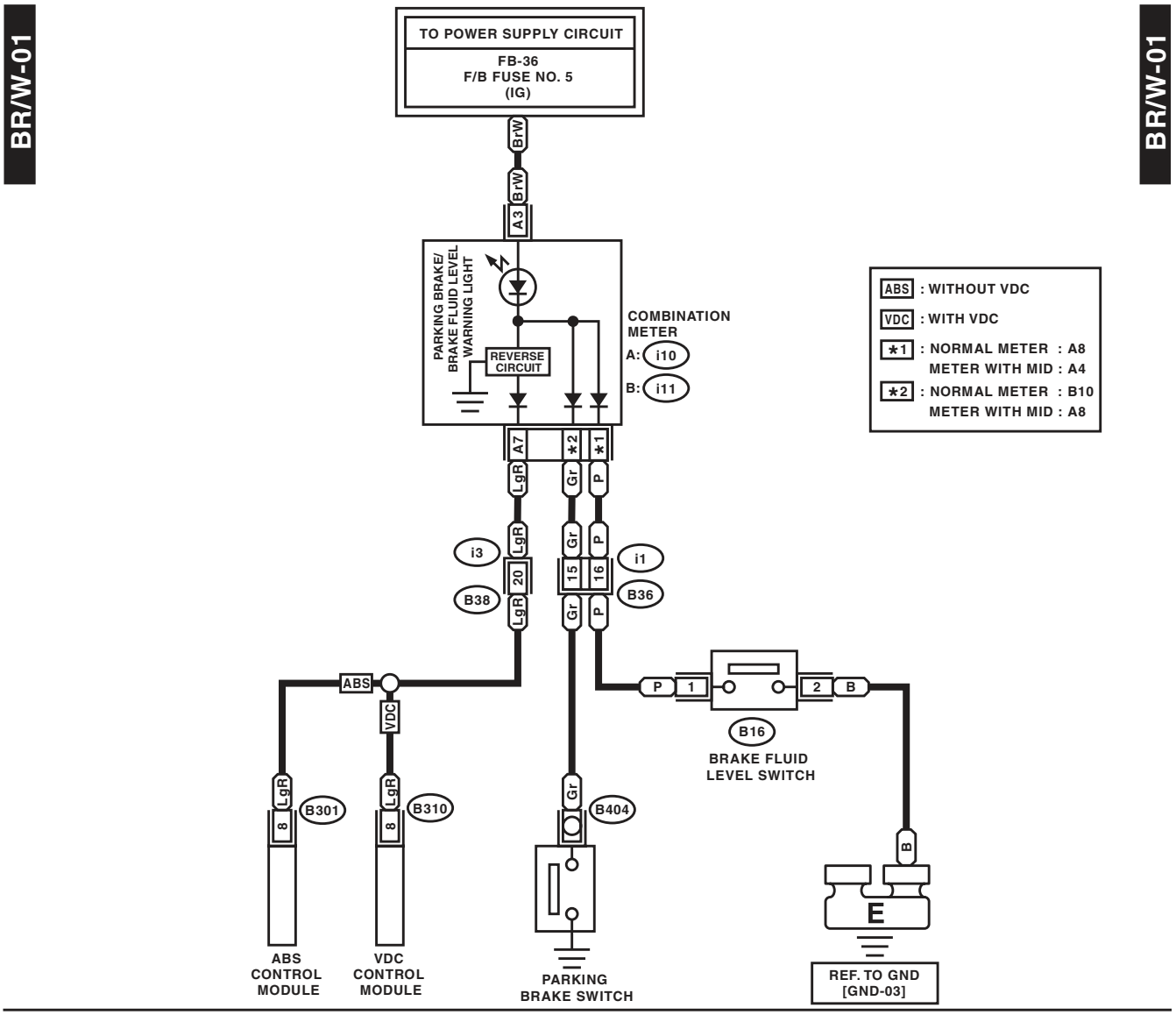


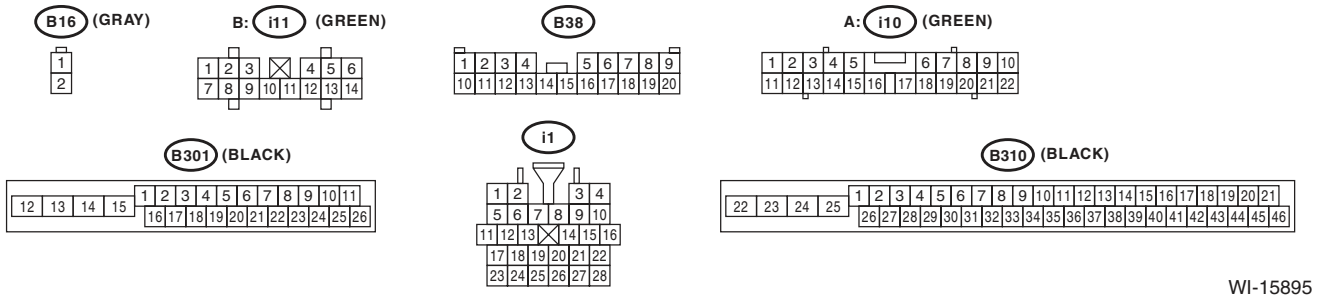


WI-21019

46. Parking Brake / Brake Fluid Level Warning Light System

A: WIRING DIAGRAM



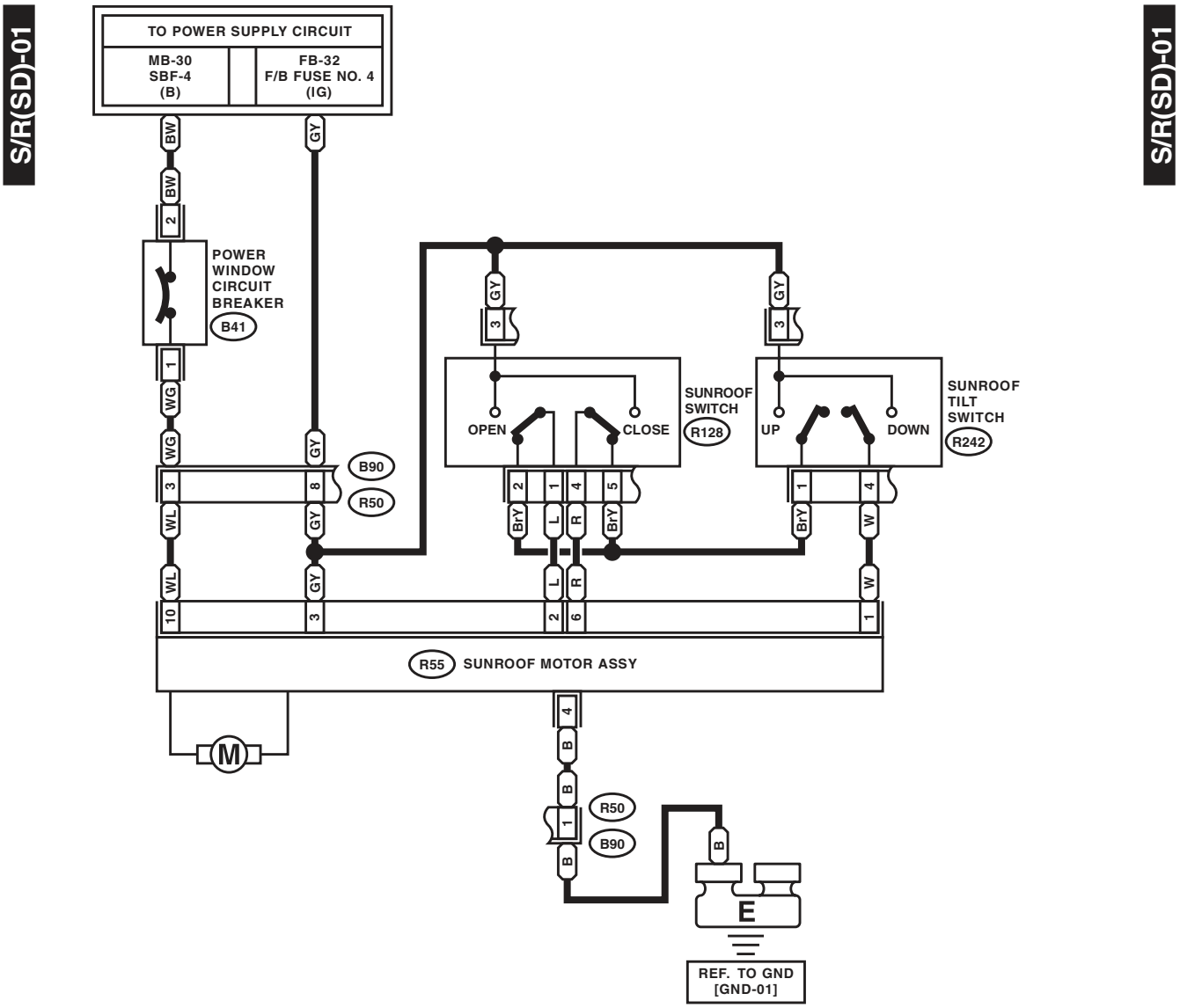


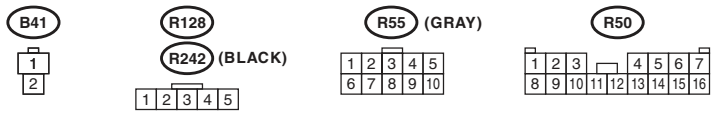
WI-15895

47.Sunroof Control System

A: WIRING DIAGRAM

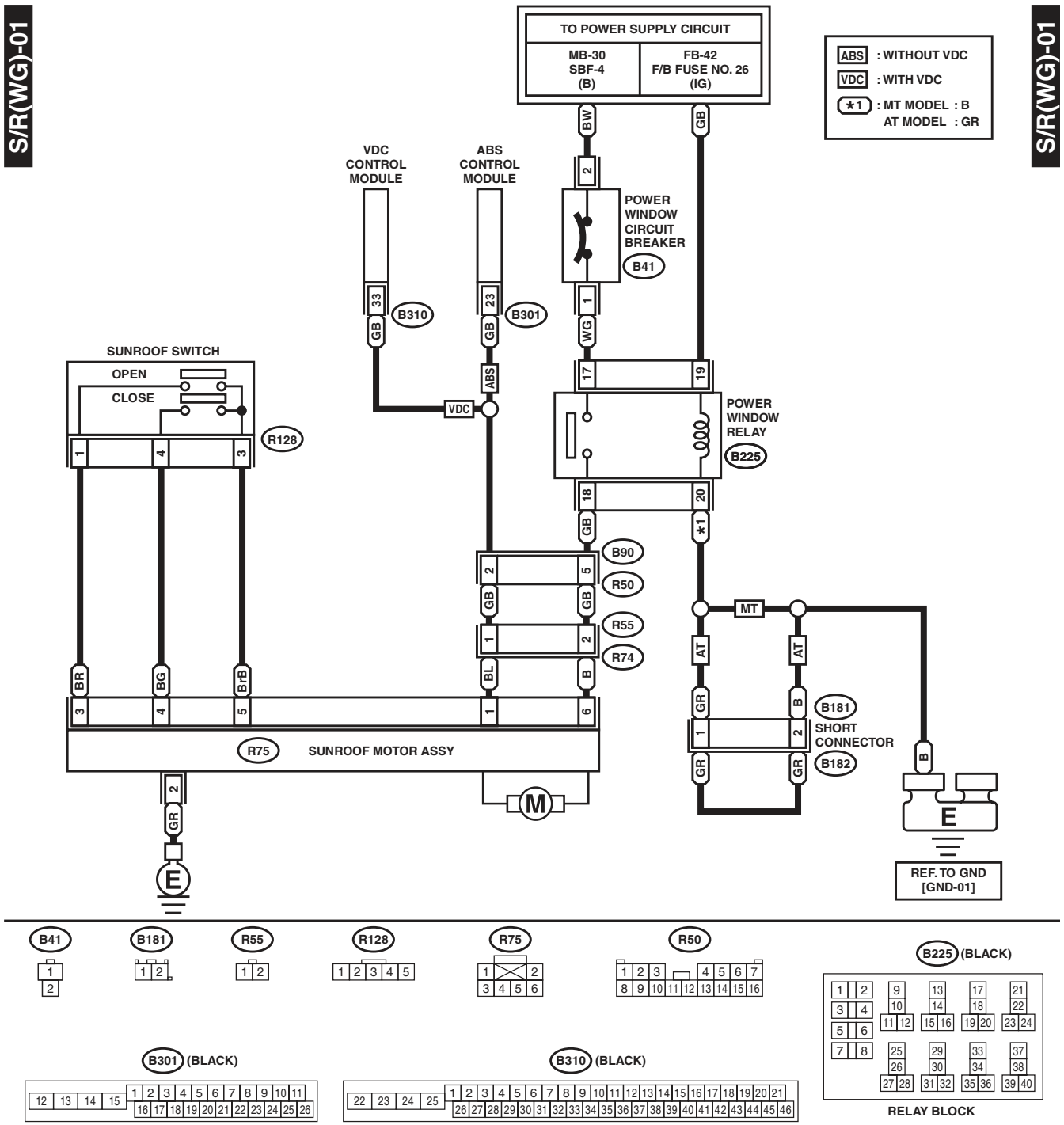
1. SEDAN MODEL





WI-15896

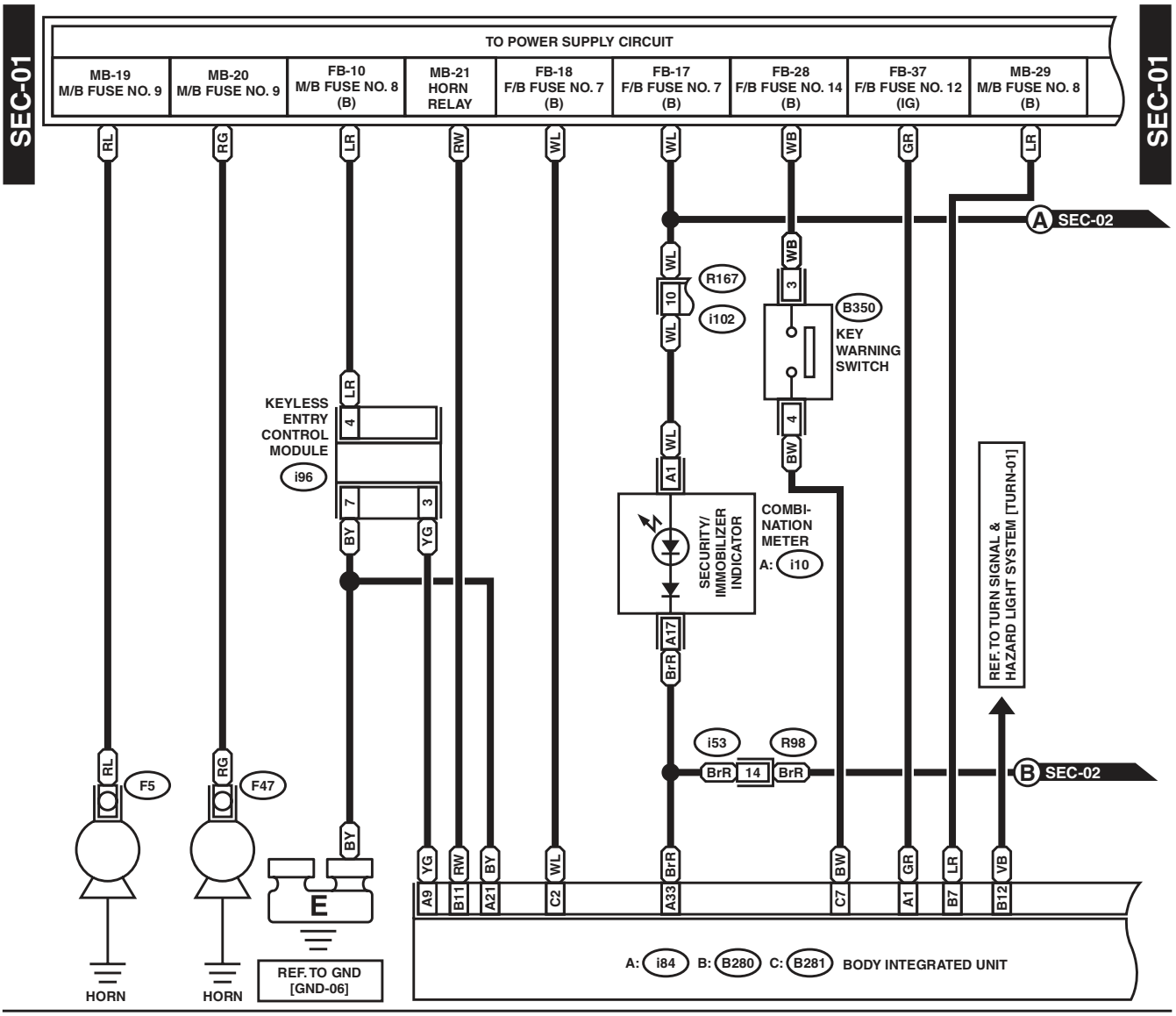
2. WAGON MODEL



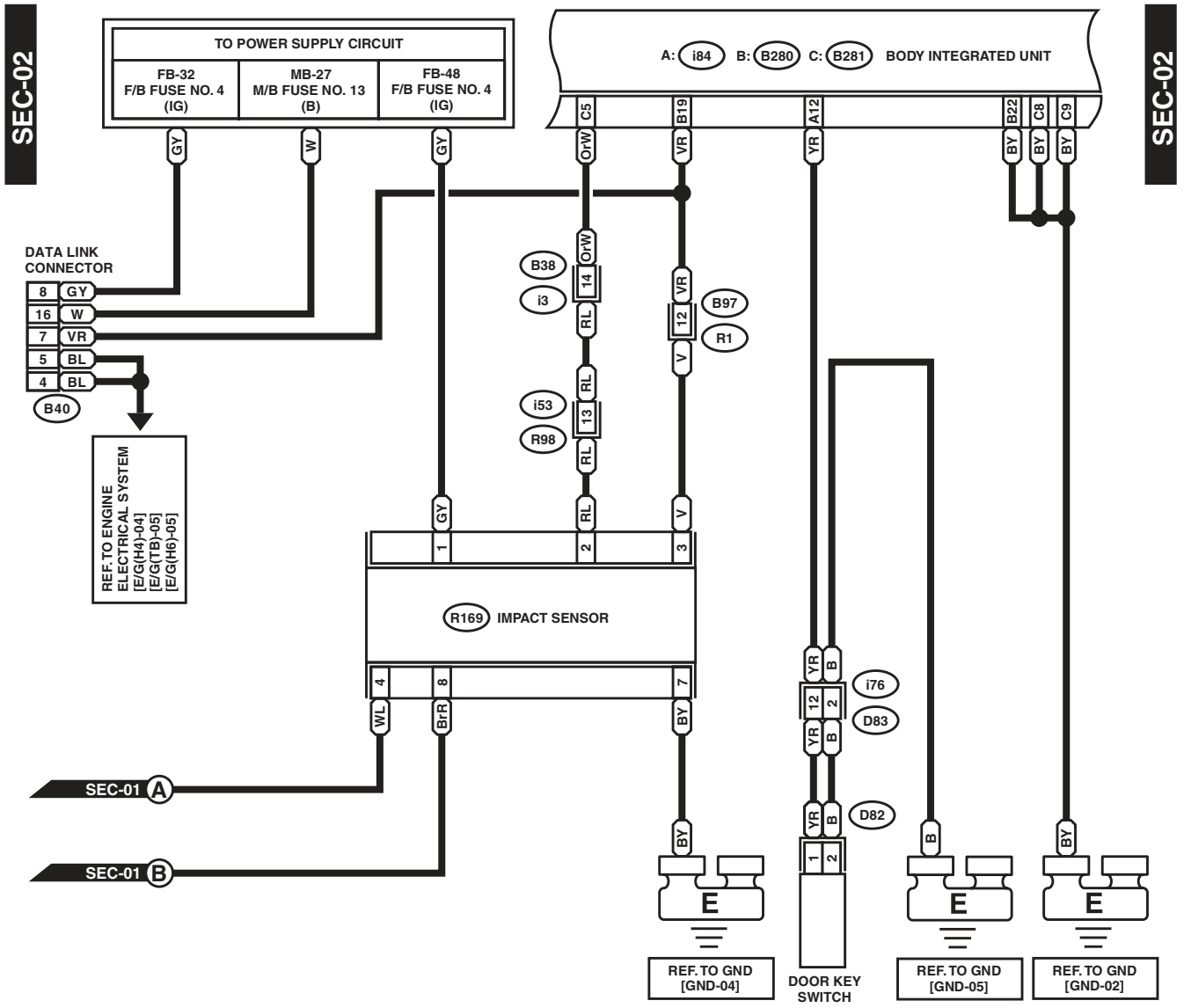
WI-21020

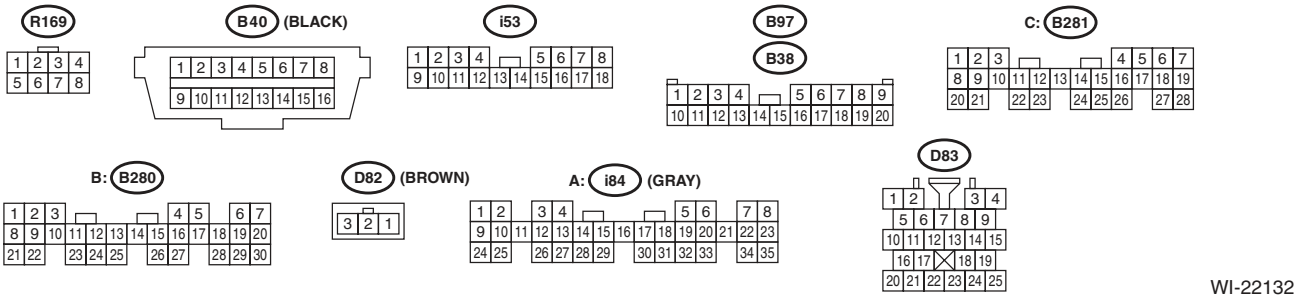
48.Security System

A: WIRING DIAGRAM



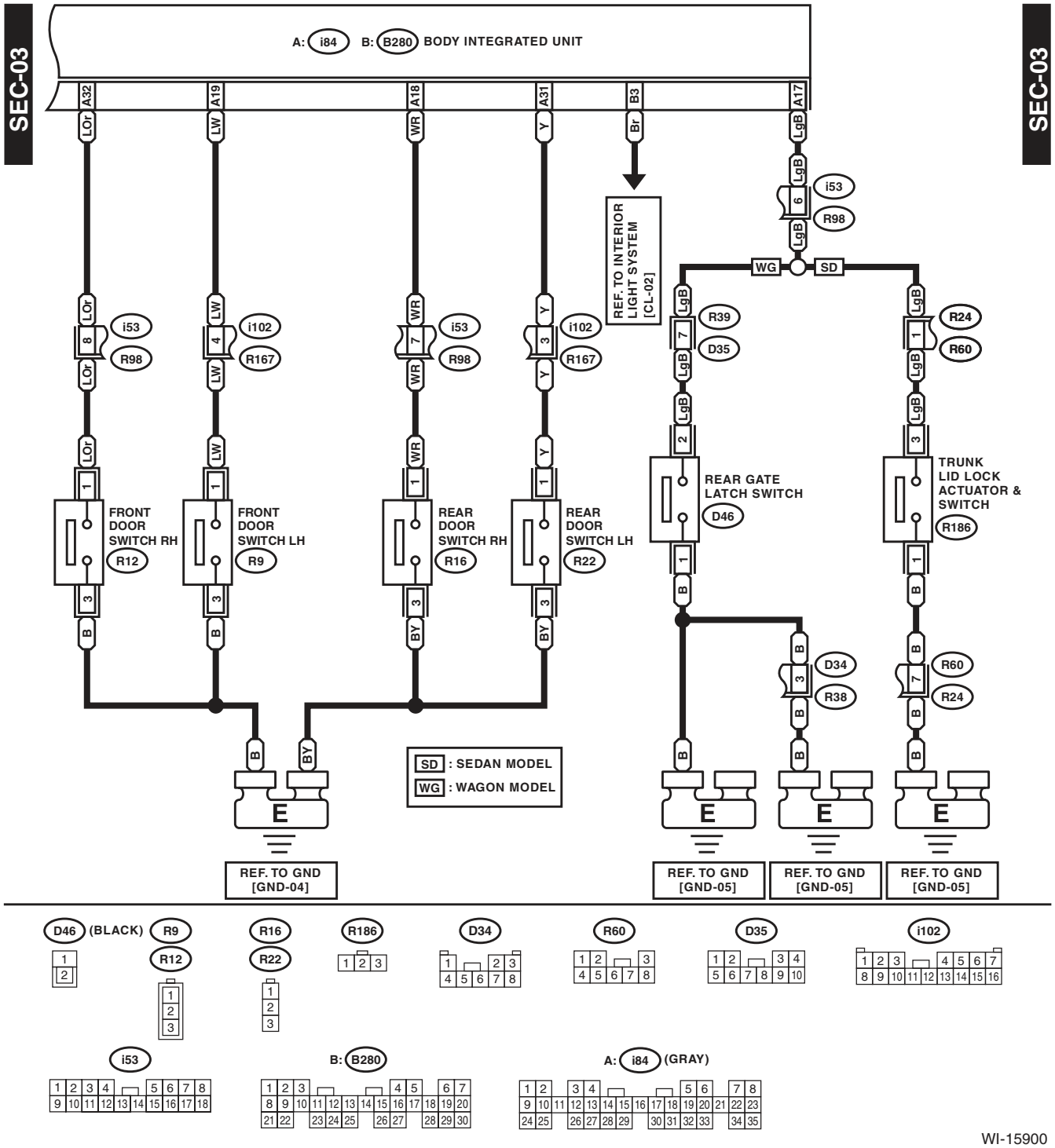
WI-22131


SEC-02
SEC-02
TO POWER SUPPLY CIRCUIT
FB-32 F/B FUSE NO. 4 (IG)
MB-27 M/B FUSE NO. 13 (B)
FB-48 F/B FUSE NO. 4 (IG)
A: i84 B: B280 C: B281 BODY INTEGRATED UNIT
C5
B19
A12
B22
C8
C9
GY
W
GY
OrW
VR
YR
BY
BY
BY
DATA LINK CONNECTOR
8 GY
16 W
7 VR
5 BL
4 BL
B40
B38
i3
14 OrW
RL
VR
12
B97
R1
V
i53
R98
13 RL
RL
REF. TO ENGINE ELECTRICAL SYSTEM [E/G(H4)-04] [E/G(TB)-05] [E/G(H6)-05]
GY
RL
V
1
2
3
R169 IMPACT SENSOR
4
8
7
WL
BrR
BY
YR
B
i76
12
2
D83
YR
B
D82
BY
B
BY
1
2
SEC-01 A
SEC-01 B
E
E
E
REF. TO GND [GND-04]
DOOR KEY SWITCH
REF. TO GND [GND-05]
REF. TO GND [GND-02]


R169
B40 (BLACK)
i53
B97
B38
C: B281
B: B280
D82 (BROWN)
A: i84 (GRAY)
D83

WI-22132

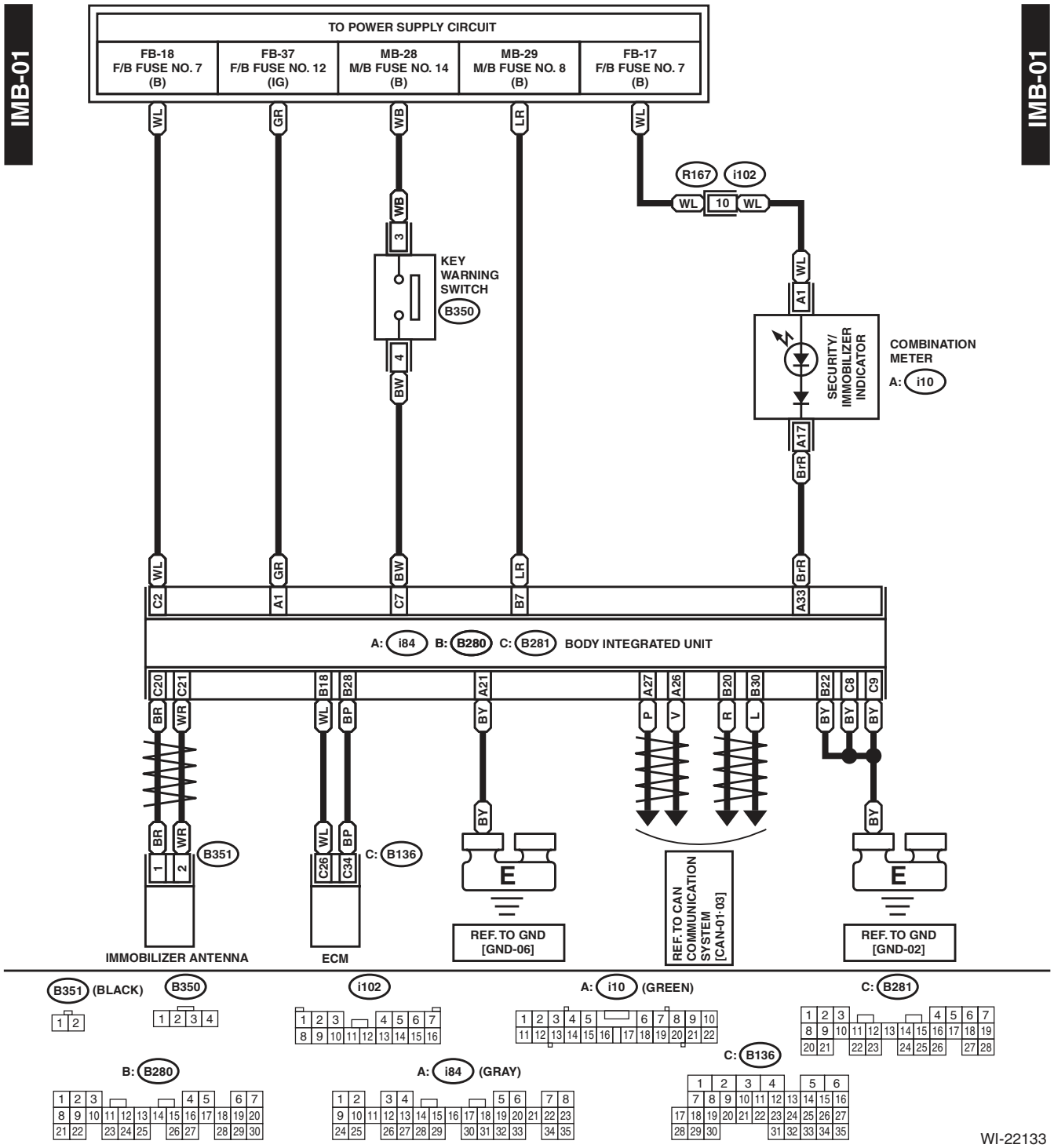
WIRING SYSTEM



WI-15900

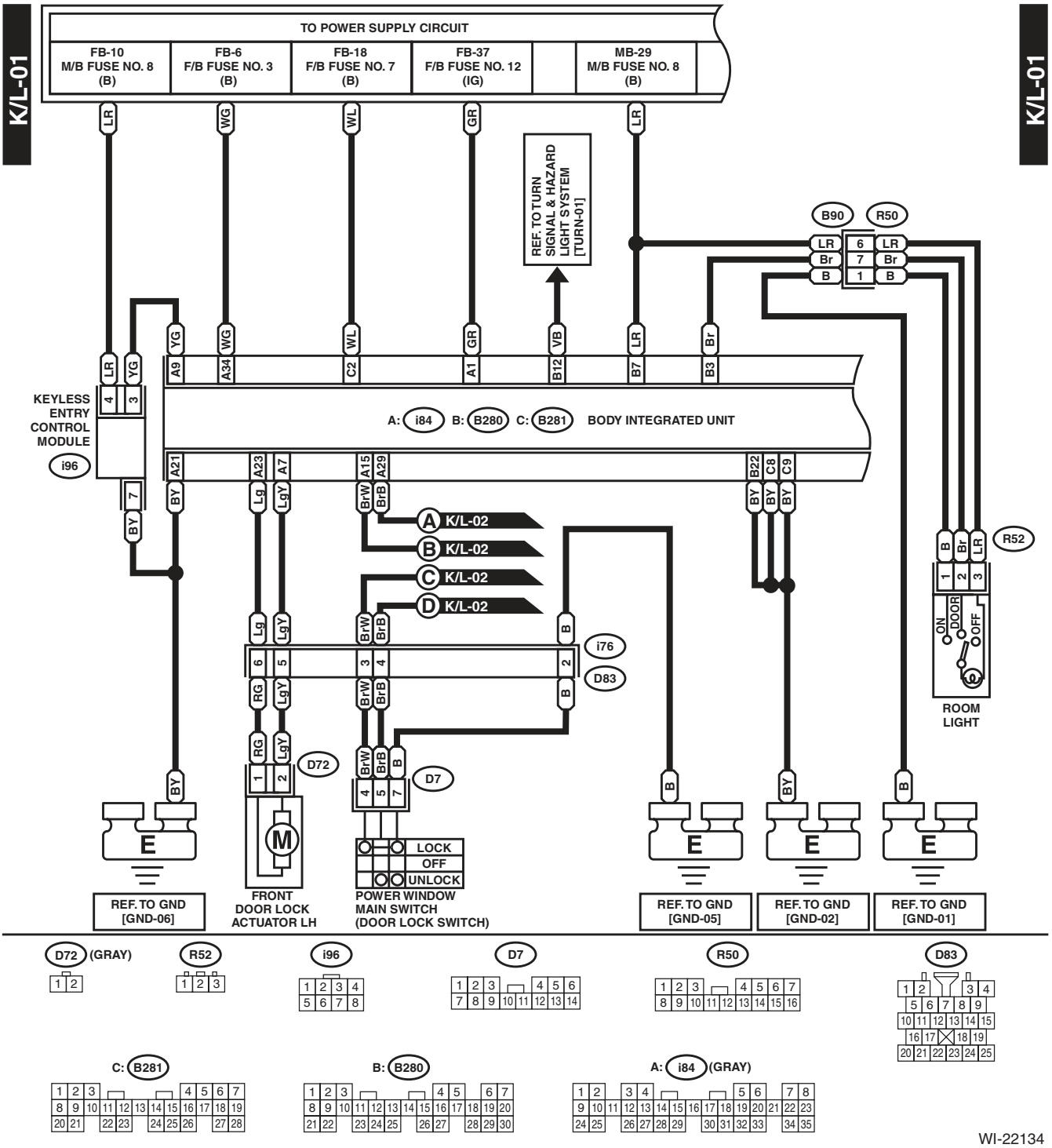
49.Immobilizer System

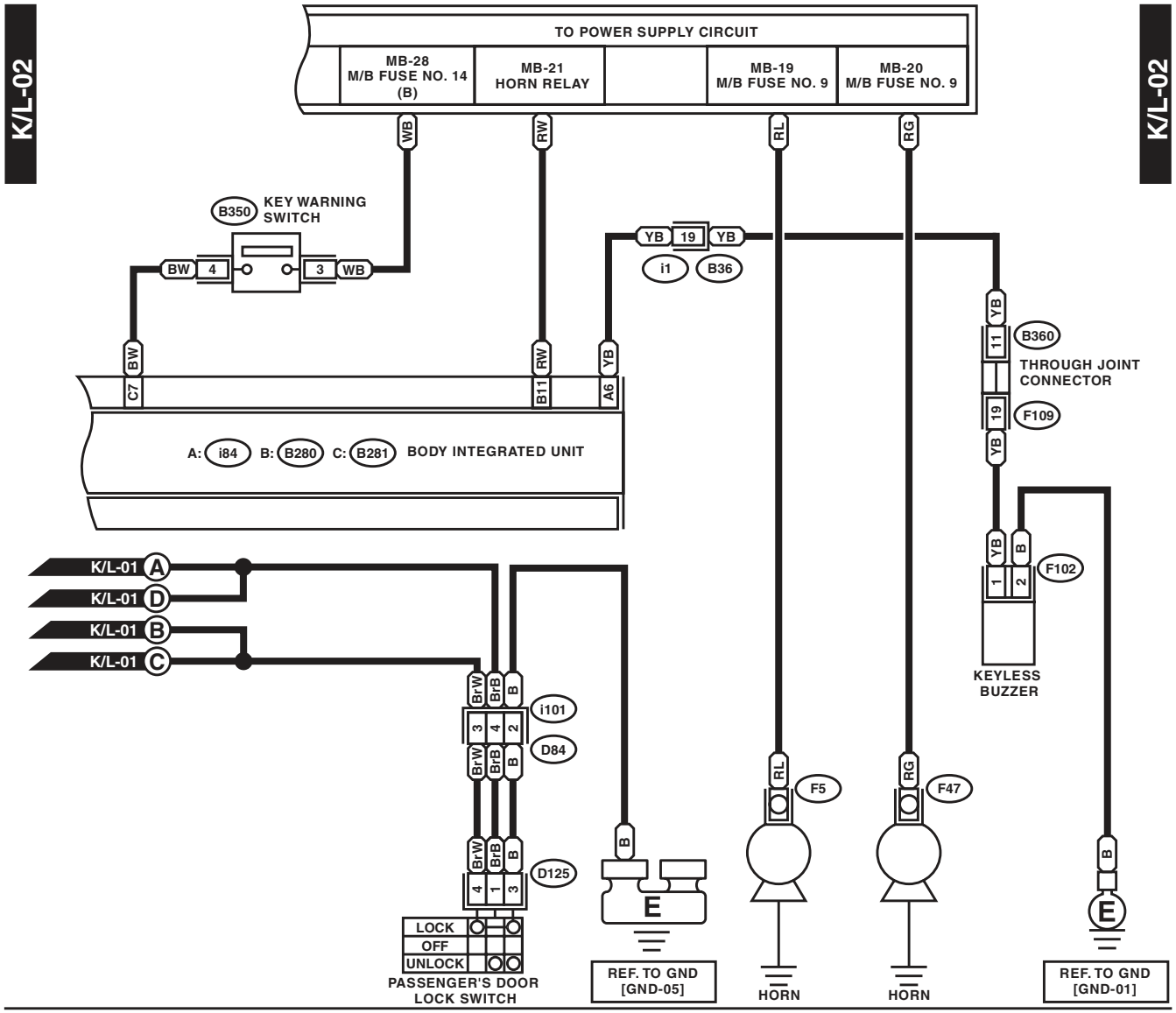
A: WIRING DIAGRAM

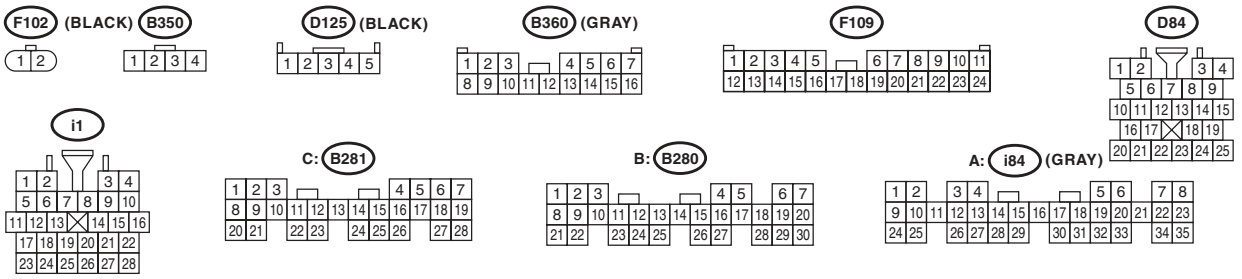


50. Keyless Entry System

A: WIRING DIAGRAM

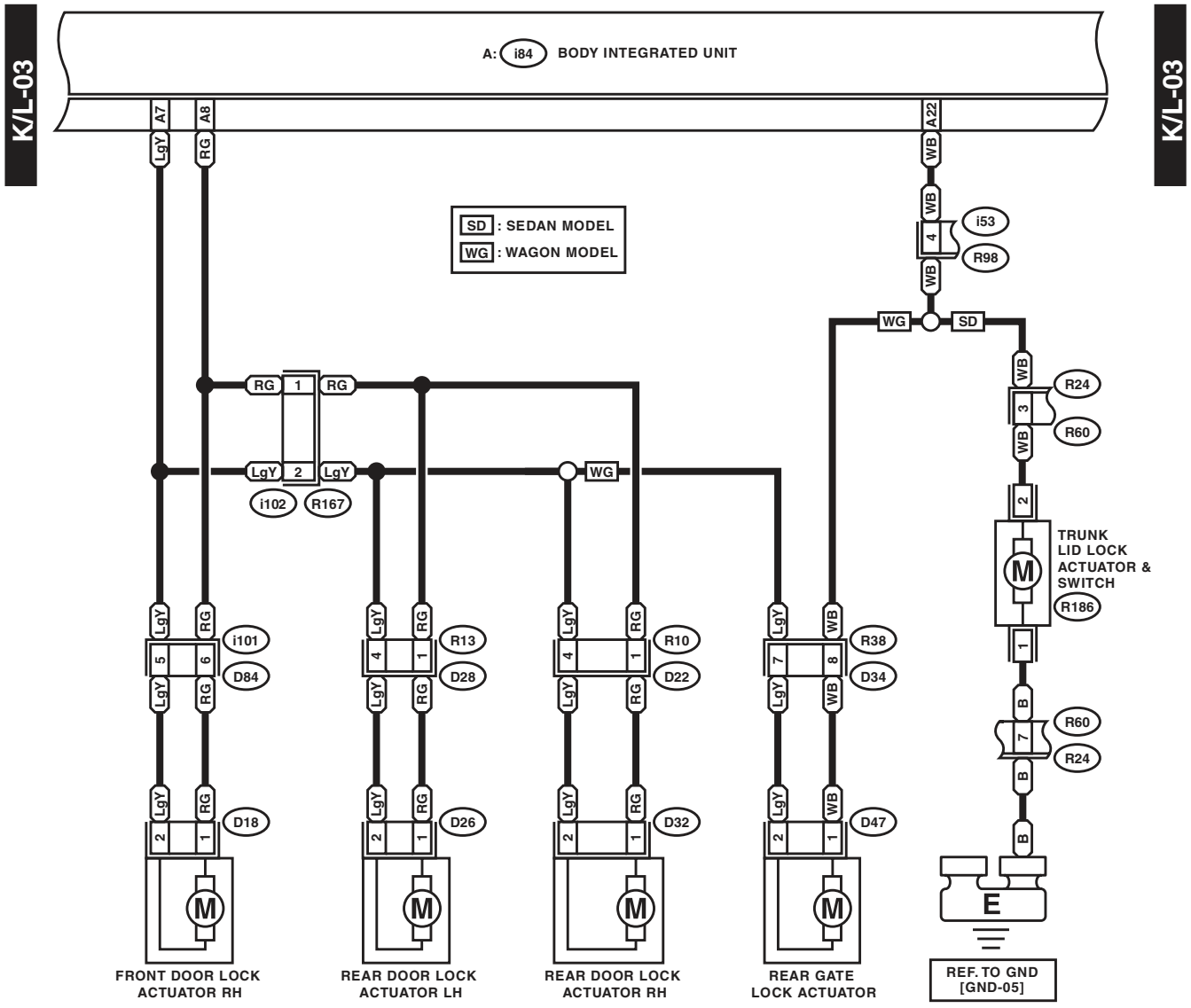


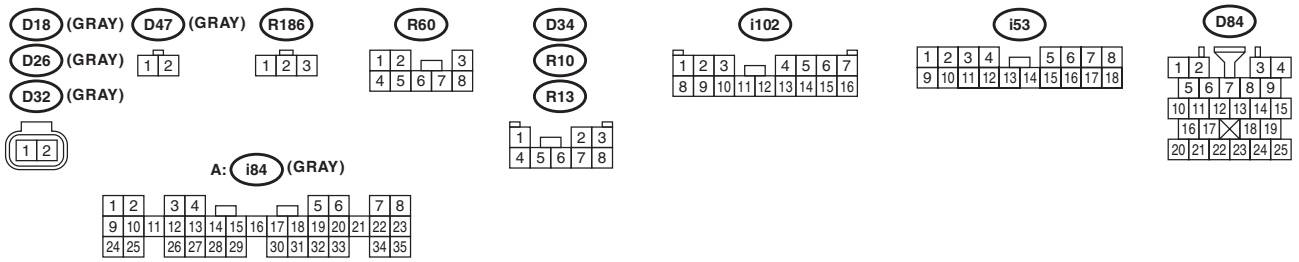

K/L-02
K/L-02
TO POWER SUPPLY CIRCUIT
MB-28
M/B FUSE NO. 14
(B)
MB-21
HORN RELAY
MB-19
M/B FUSE NO. 9
MB-20
M/B FUSE NO. 9
WB
RW
RL
RG
B350
KEY WARNING
SWITCH
BW
4
3
WB
YB
19
YB
i1
B36
YB
11
B360
THROUGH JOINT
CONNECTOR
19
F109
YB
BW
RW
YB
C7
B11
A6
A: i84 B: B280 C: B281 BODY INTEGRATED UNIT
YB
B
1
2
F102
KEYLESS
BUZZER
K/L-01 A
K/L-01 D
K/L-01 B
K/L-01 C
BrW
BrB
B
i101
3
4
2
D84
BrW
BrB
B
BrW
BrB
B
4
1
3
D125
B
RL
F5
RG
F47
B
E
E
LOCK
OFF
UNLOCK
PASSENGER'S DOOR
LOCK SWITCH
REF. TO GND
[GND-05]
HORN
HORN
REF. TO GND
[GND-01]


F102 (BLACK)
B350
D125 (BLACK)
B360 (GRAY)
F109
D84
i1
C: B281
B: B280
A: i84 (GRAY)

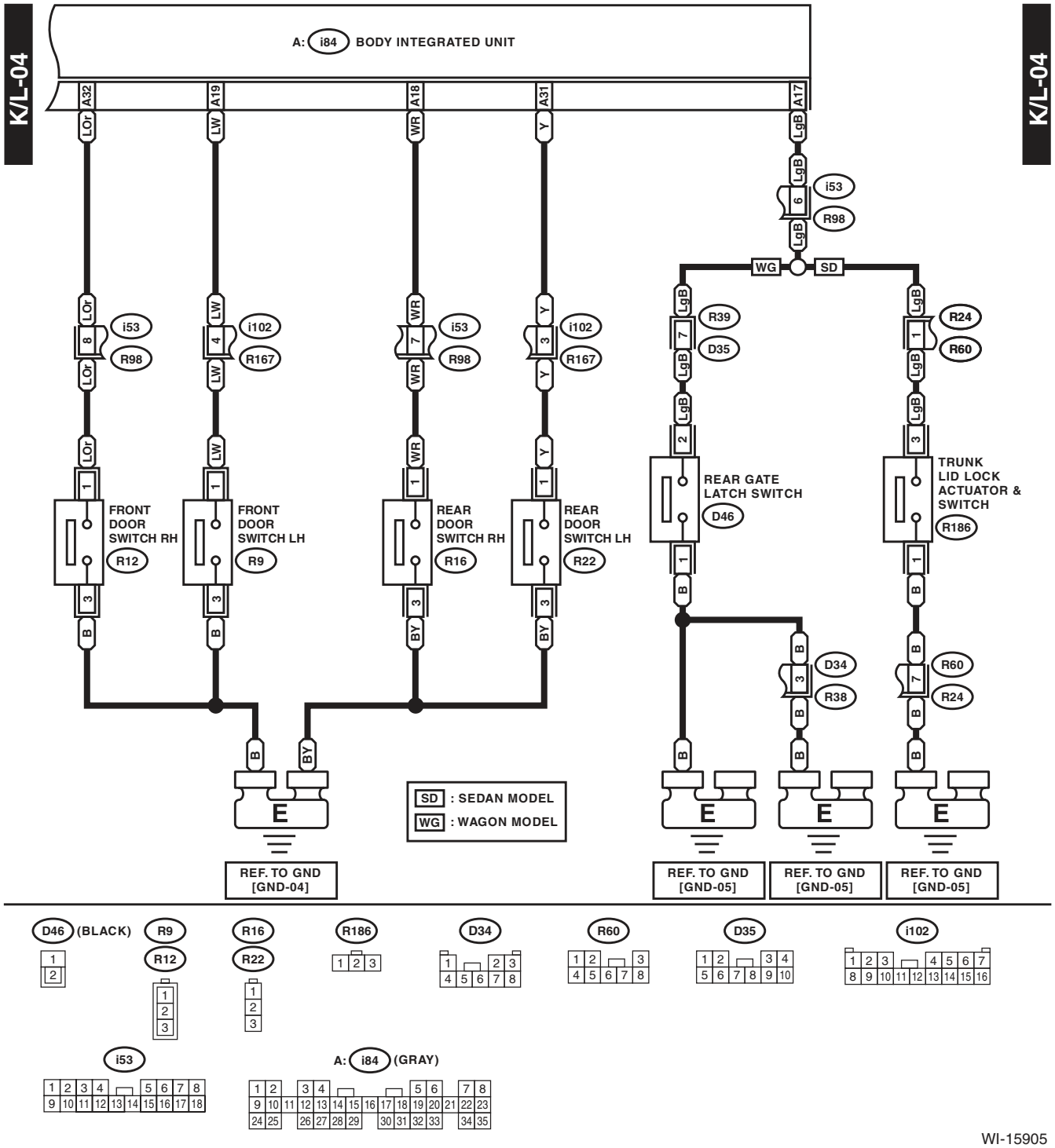
WI-15903

WIRING SYSTEM





WI-15904

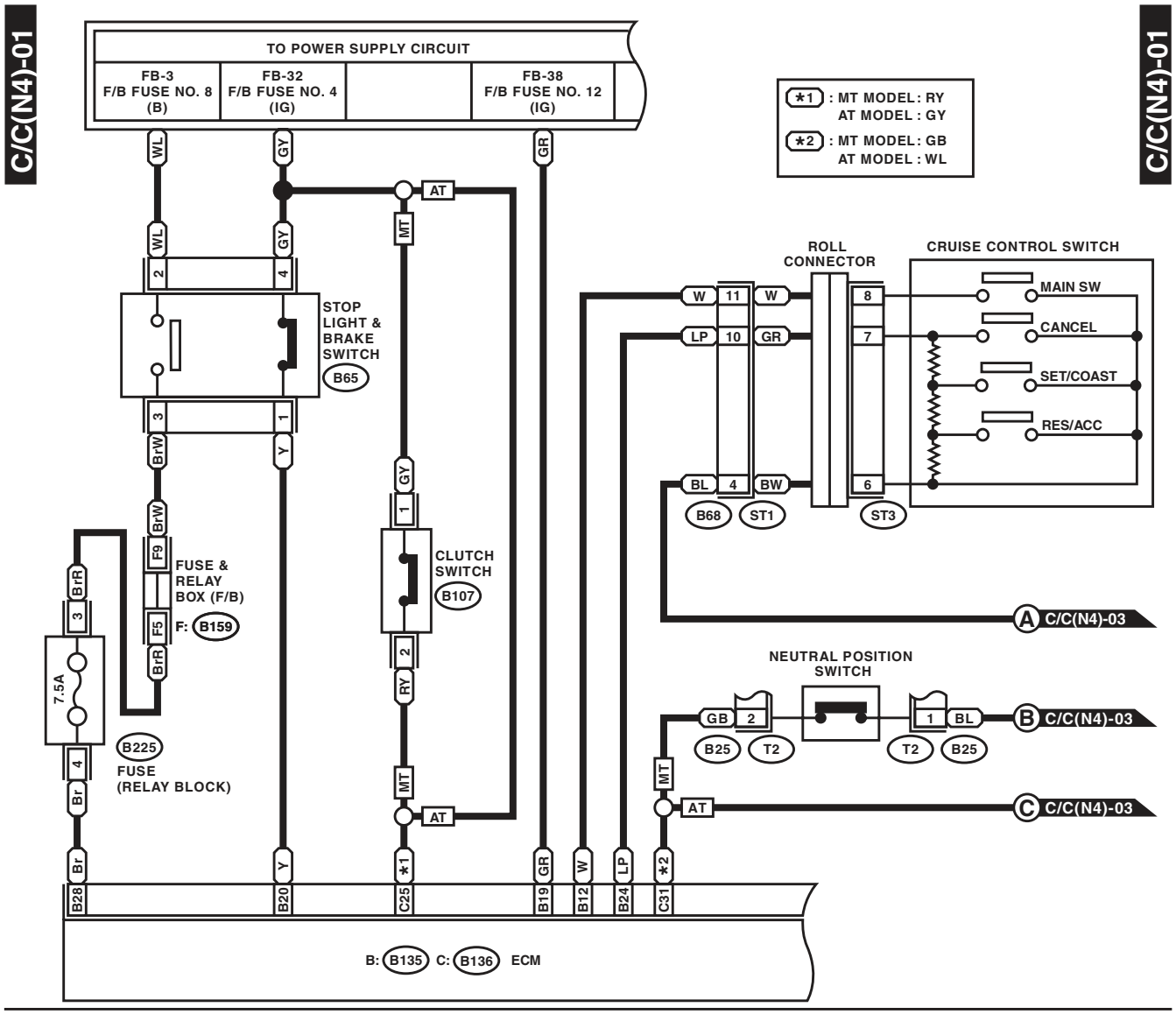

K/L-04
K/L-04
A: i84 BODY INTEGRATED UNIT
A32
A19
A18
A31
A17
LOr
LW
WR
Y
LgB
i53
R98
i102
R167
WG
SD
R39
D35
R24
R60
FRONT DOOR SWITCH RH
R12
FRONT DOOR SWITCH LH
R9
REAR DOOR SWITCH RH
R16
REAR DOOR SWITCH LH
R22
REAR GATE LATCH SWITCH
D46
TRUNK LID LOCK ACTUATOR & SWITCH
R186
D34
R38
B
BY
E
SD : SEDAN MODEL
WG : WAGON MODEL
REF. TO GND [GND-04]
REF. TO GND [GND-05]
REF. TO GND [GND-05]
REF. TO GND [GND-05]
D46 (BLACK)
R9
R12
R16
R22
R186
D34
R60
D35
i102
i53
A: i84 (GRAY)

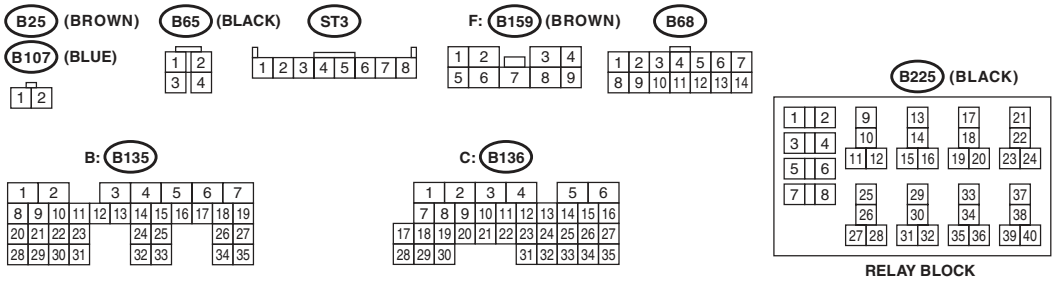
WI-15905

51.Cruise Control System

A: WIRING DIAGRAM

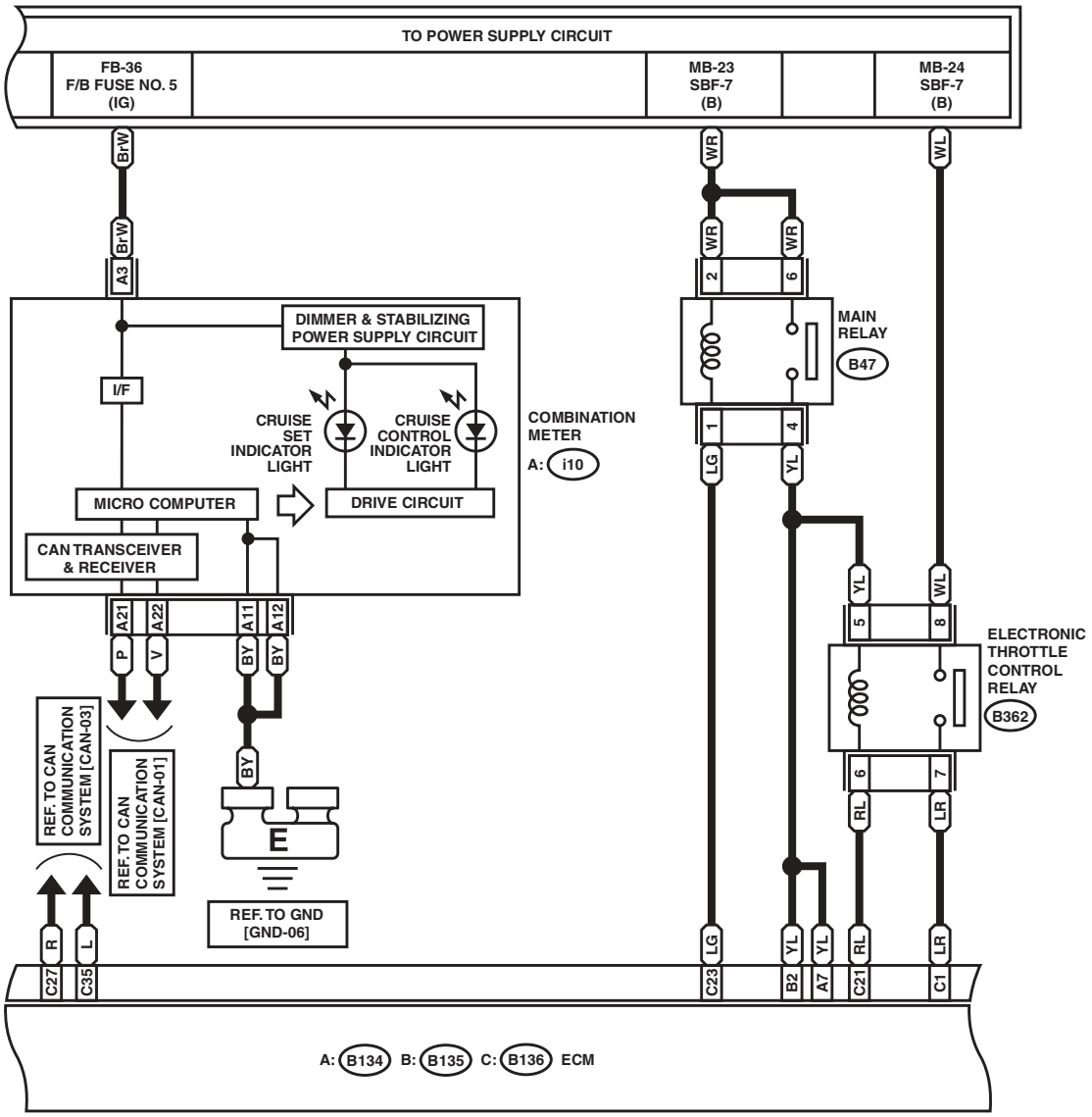
1. 2.5 L NON-TURBO MODEL

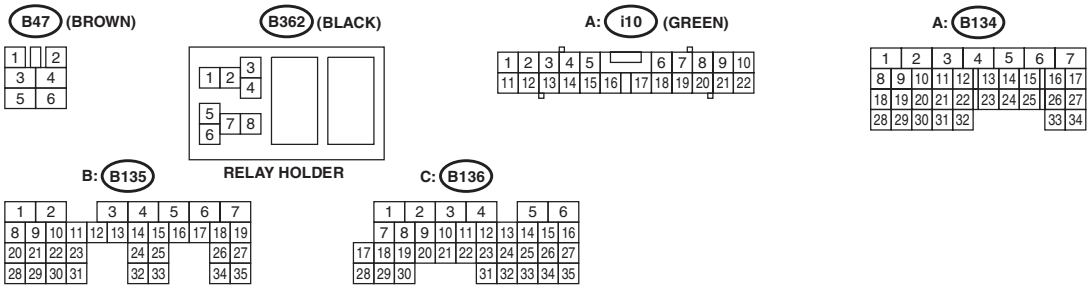




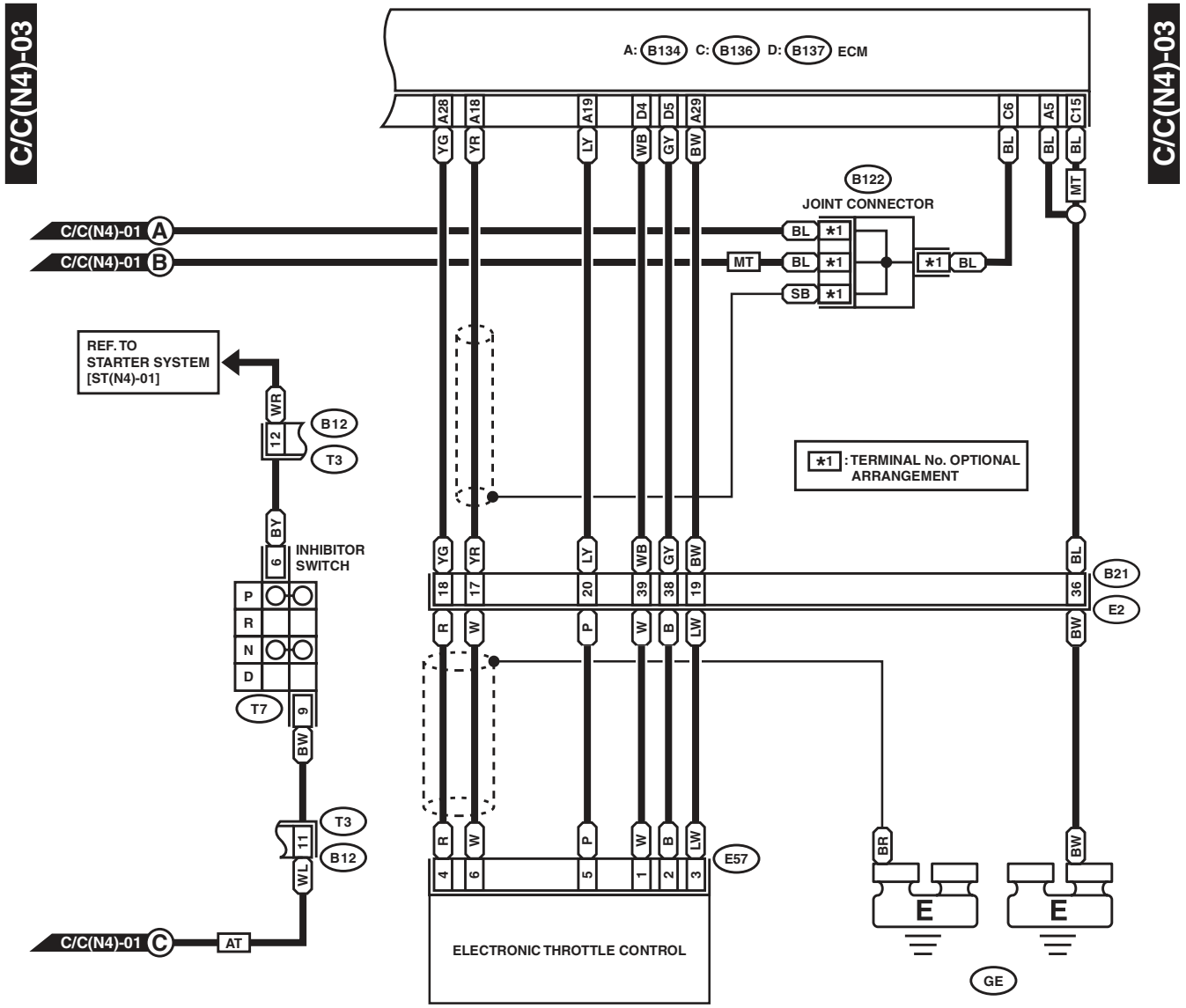
WI-15906

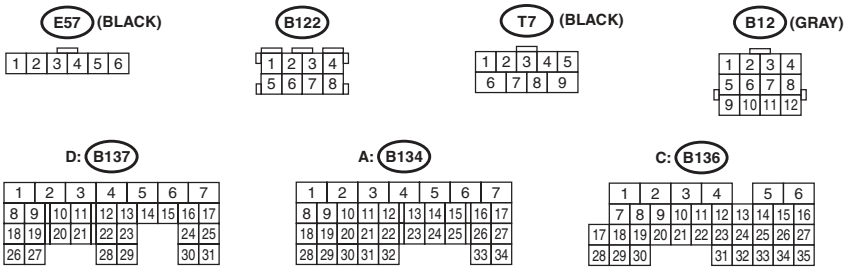
C/C(N4)-02

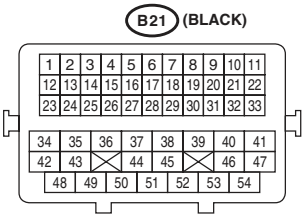




WI-22135

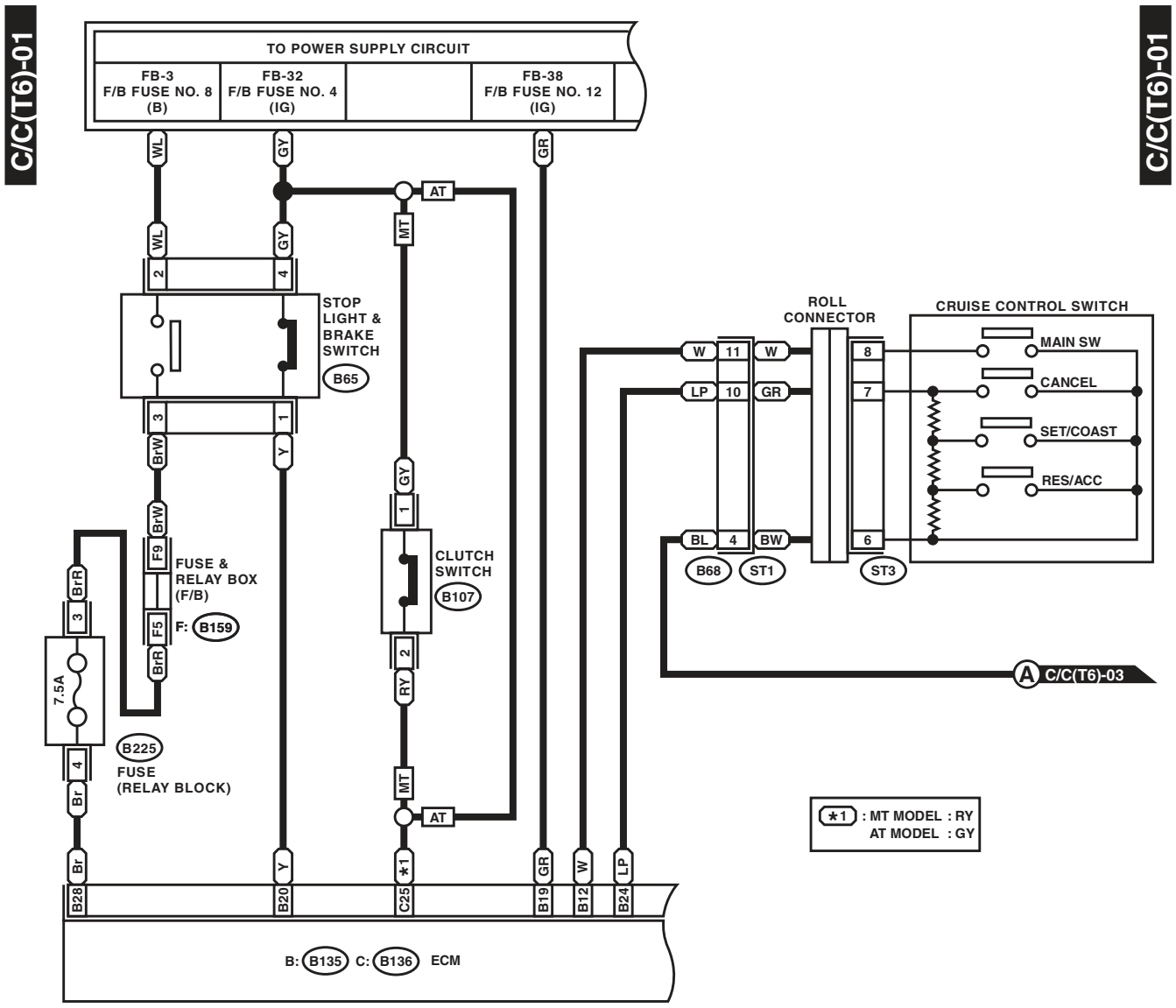

C/C(N4)-03
C/C(N4)-03
A: B134 C: B136 D: B137 ECM
A28 A18 A19 D4 D5 A29 C6 A5 C15
YG YR LY WB GY BW BL BL BL
MT
B122
JOINT CONNECTOR
C/C(N4)-01 A
C/C(N4)-01 B
BL *1
MT BL *1
SB *1
*1 BL
REF. TO STARTER SYSTEM [ST(N4)-01]
WR
12
B12
T3
*1 : TERMINAL No. OPTIONAL ARRANGEMENT
BY
6
INHIBITOR SWITCH
P
R
N
D
T7
9
BW
T3
11
B12
WL
C/C(N4)-01 C
AT
YG YR LY WB GY BW BL
18 17 20 39 38 19 36
B21
E2
R W P W B LW BW
R W P W B LW
4 6 5 1 2 3
E57
BR BW
E E
ELECTRONIC THROTTLE CONTROL
GE

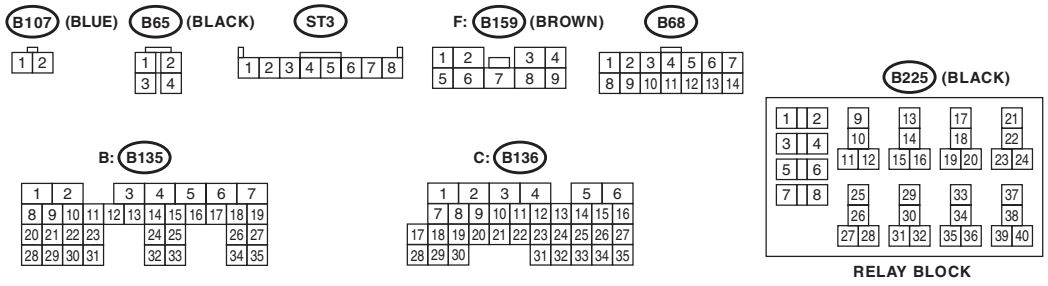

E57 (BLACK)
1 2 3 4 5 6
B122
1 2 3 4
5 6 7 8
T7 (BLACK)
1 2 3 4 5
6 7 8 9
B12 (GRAY)
1 2 3 4
5 6 7 8
9 10 11 12
D: B137
1 2 3 4 5 6 7
8 9 10 11 12 13 14 15 16 17
18 19 20 21 22 23 24 25
26 27 28 29 30 31
A: B134
1 2 3 4 5 6 7
8 9 10 11 12 13 14 15 16 17
18 19 20 21 22 23 24 25 26 27
28 29 30 31 32 33 34
C: B136
1 2 3 4 5 6
7 8 9 10 11 12 13 14 15 16
17 18 19 20 21 22 23 24 25 26 27
28 29 30 31 32 33 34 35


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

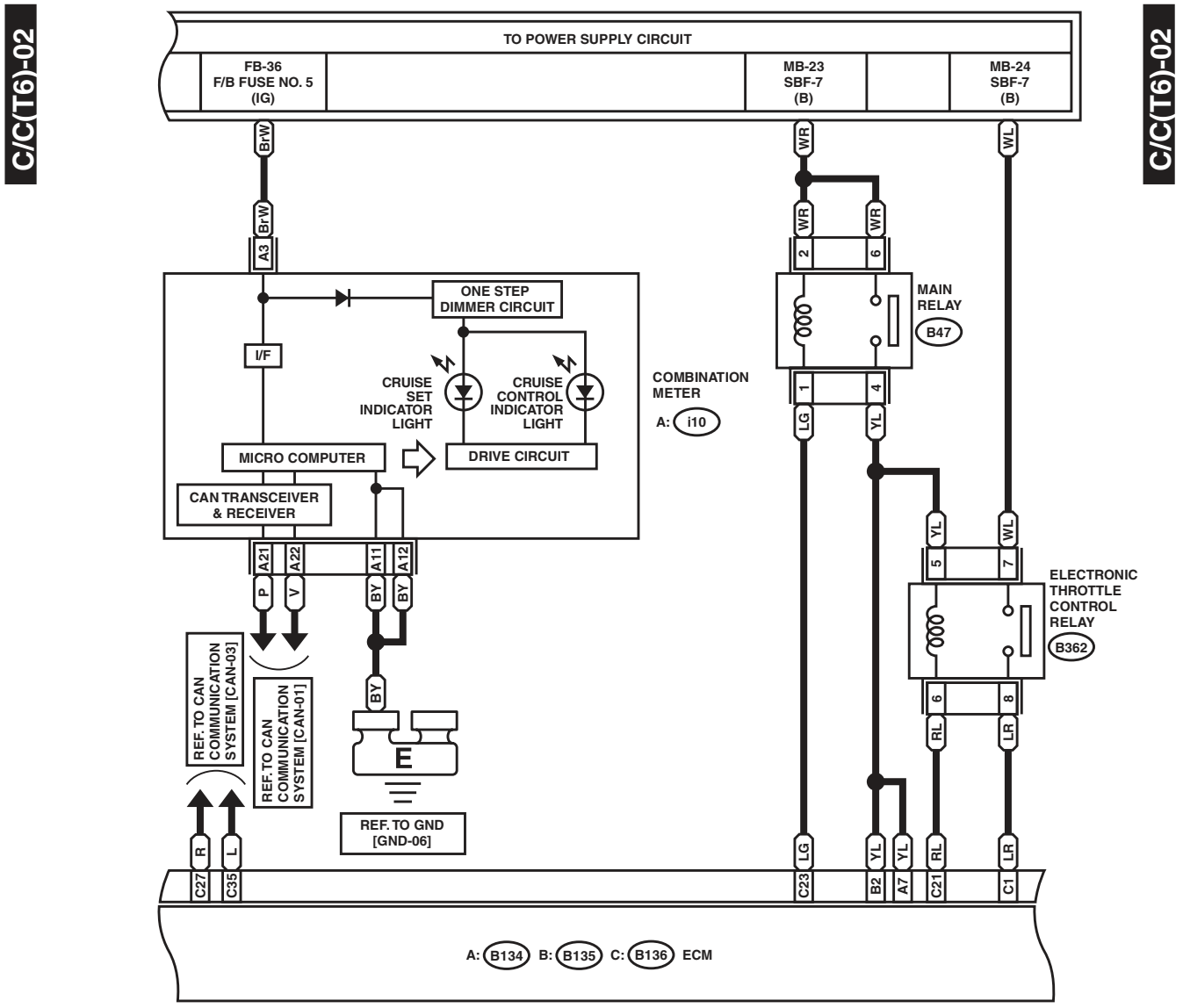
WI-21021

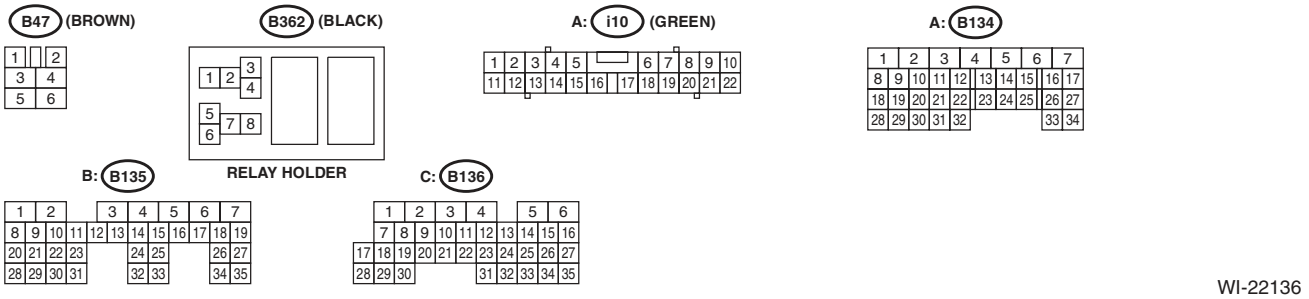
2. 2.5 L TURBO MODEL AND 3.0 L MODEL



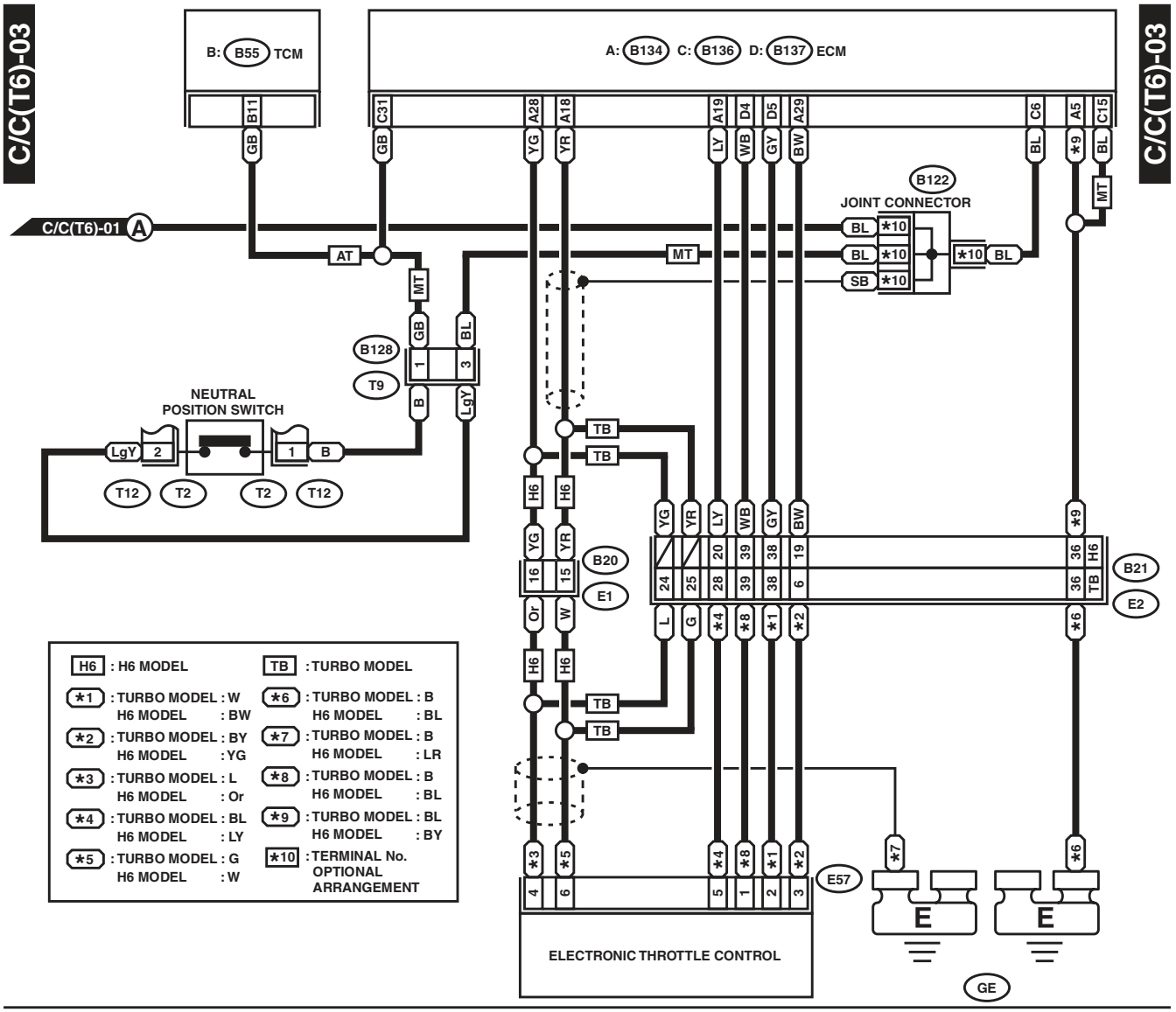


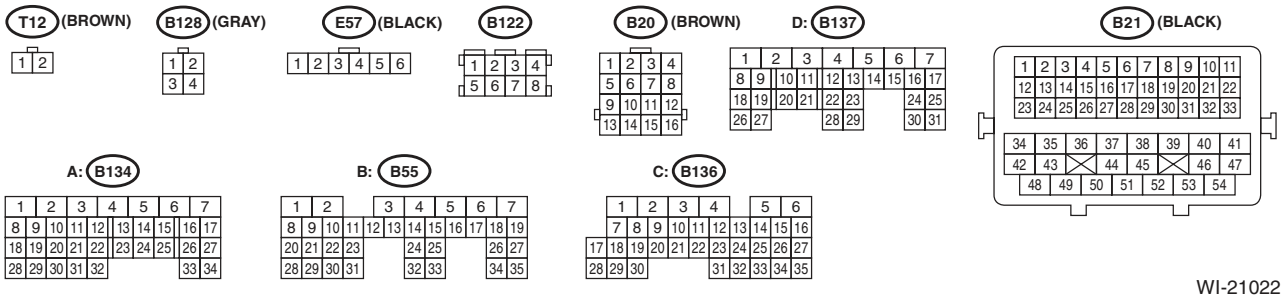
WI-15908


C/C(T6)-02
C/C(T6)-02
TO POWER SUPPLY CIRCUIT
FB-36
F/B FUSE NO. 5
(IG)
MB-23
SBF-7
(B)
MB-24
SBF-7
(B)
BrW
BrW
A3
WR
WR
WR
2
6
WL
MAIN
RELAY
B47
ONE STEP
DIMMER CIRCUIT
I/F
CRUISE
SET
INDICATOR
LIGHT
CRUISE
CONTROL
INDICATOR
LIGHT
COMBINATION
METER
A: i10
MICRO COMPUTER
DRIVE CIRCUIT
CAN TRANSCEIVER
& RECEIVER
1
4
LG
YL
YL
WL
5
7
ELECTRONIC
THROTTLE
CONTROL
RELAY
B362
A21
A22
A11
A12
P
V
BY
BY
6
8
RL
LR
REF. TO CAN
COMMUNICATION
SYSTEM [CAN-03]
REF. TO CAN
COMMUNICATION
SYSTEM [CAN-01]
BY
E
REF. TO GND
[GND-06]
R
L
LG
YL
YL
RL
LR
C27
C35
C23
B2
A7
C21
C1
A: B134 B: B135 C: B136 ECM


B47 (BROWN)
B362 (BLACK)
RELAY HOLDER
A: i10 (GREEN)
A: B134
B: B135
C: B136

WI-22136

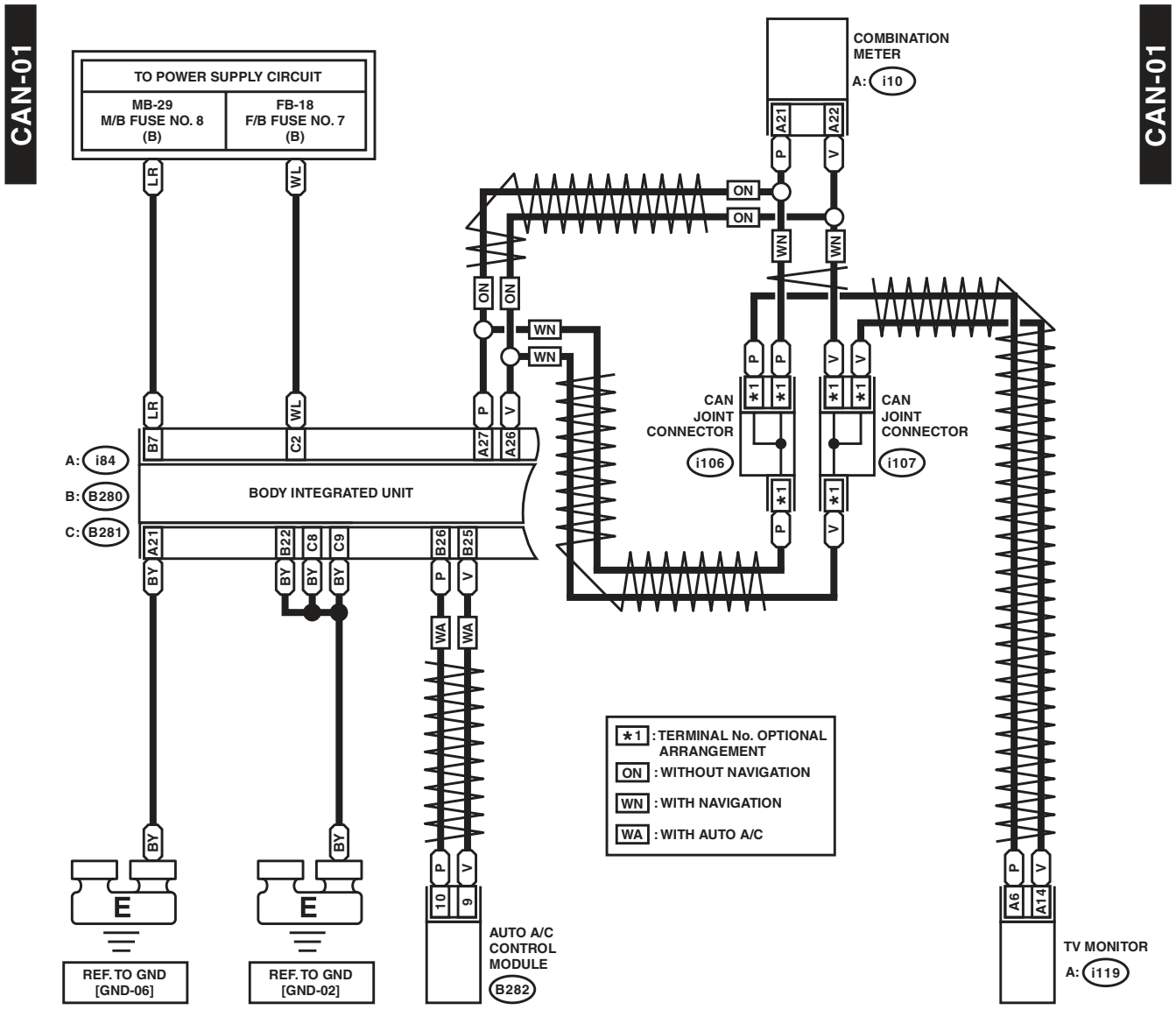

C/C(T6)-03
C/C(T6)-03
B: B55 TCM
A: B134 C: B136 D: B137 ECM
B11
C31
A28
A18
A19
D4
D5
A29
C6
A5
C15
GB
YG
YR
LY
WB
GY
BW
BL
MT
B122
JOINT CONNECTOR
C/C(T6)-01 A
AT
MT
B128
T9
NEUTRAL POSITION SWITCH
LgY
B
T12
T2
T2
T12
TB
H6
B20
E1
B21
E2
Or
W
L
G
E57
E
E
ELECTRONIC THROTTLE CONTROL
GE
H6 : H6 MODEL
TB : TURBO MODEL
*1 : TURBO MODEL : W
H6 MODEL : BW
*2 : TURBO MODEL : BY
H6 MODEL : YG
*3 : TURBO MODEL : L
H6 MODEL : Or
*4 : TURBO MODEL : BL
H6 MODEL : LY
*5 : TURBO MODEL : G
H6 MODEL : W
*6 : TURBO MODEL : B
H6 MODEL : BL
*7 : TURBO MODEL : B
H6 MODEL : LR
*8 : TURBO MODEL : B
H6 MODEL : BL
*9 : TURBO MODEL : BL
H6 MODEL : BY
*10 : TERMINAL No.
OPTIONAL
ARRANGEMENT


T12 (BROWN)
B128 (GRAY)
E57 (BLACK)
B122
B20 (BROWN)
D: B137
B21 (BLACK)
A: B134
B: B55
C: B136

WI-21022

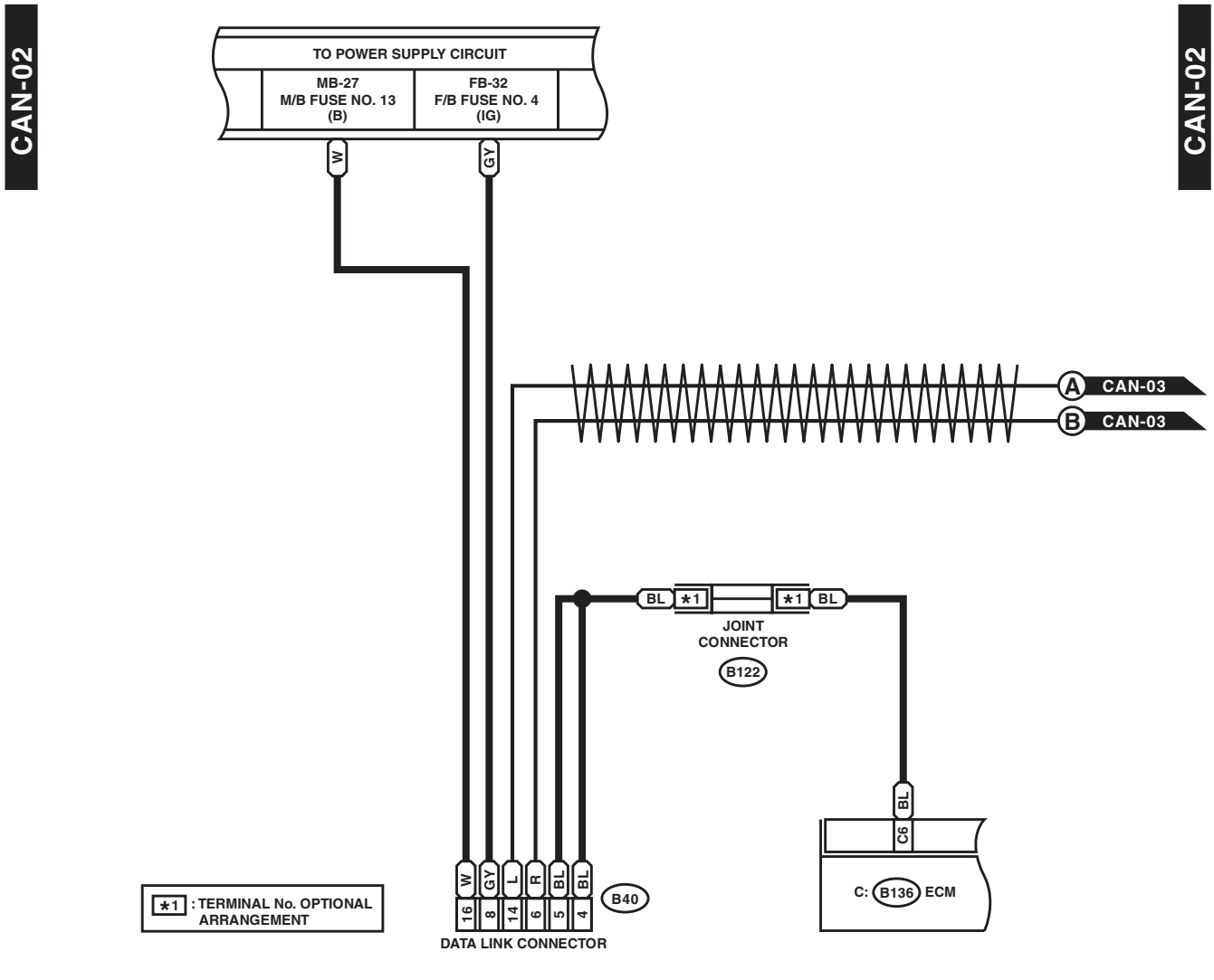
52. CAN Communication System

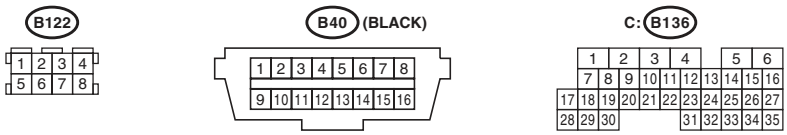
A: WIRING DIAGRAM



WI-22137

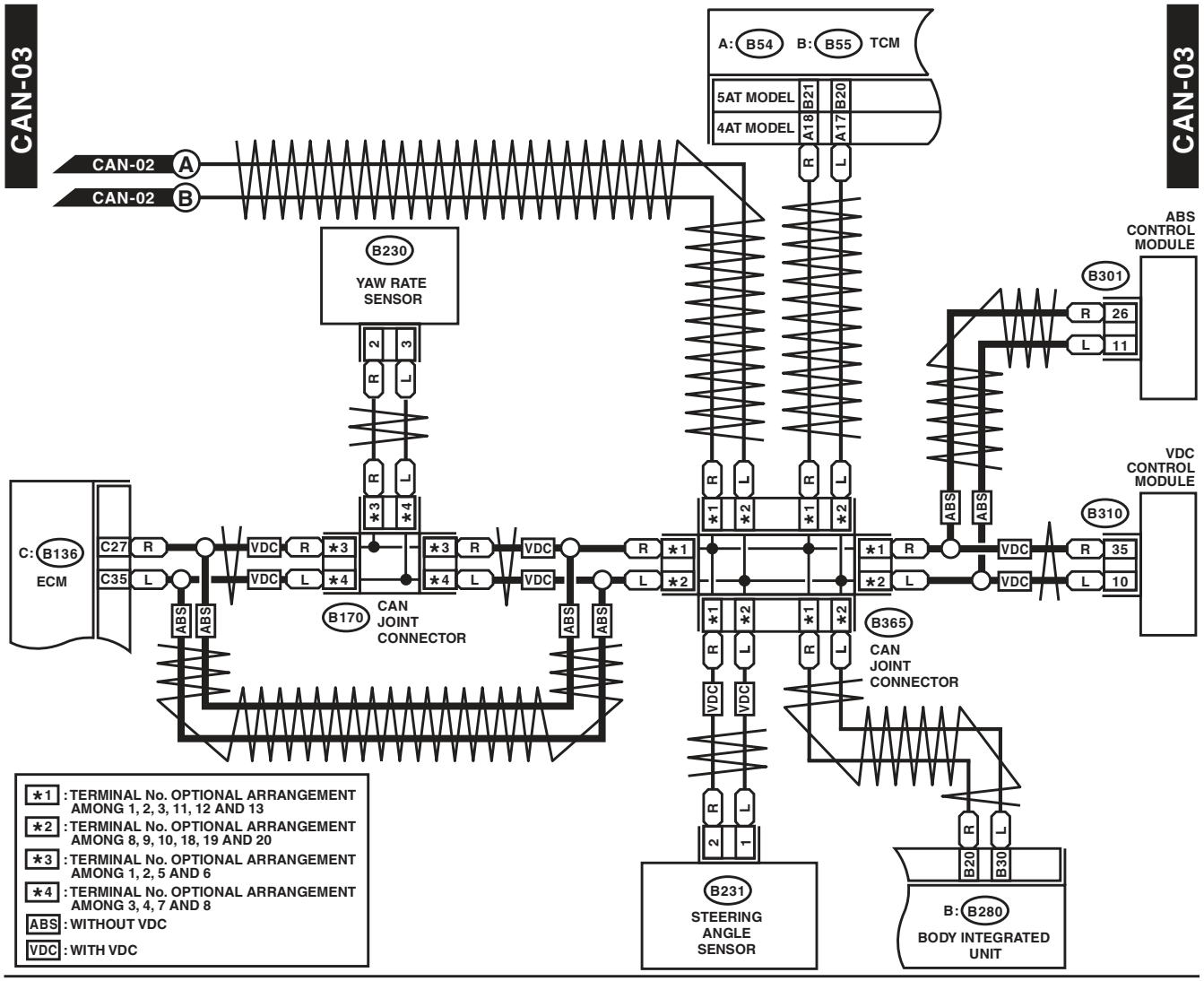
CAN Communication System

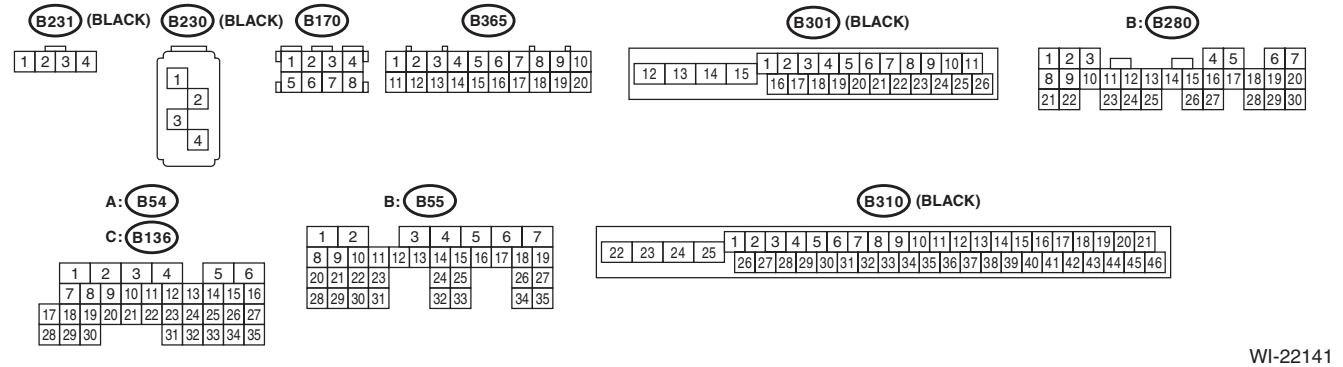




WI-22140

WIRING SYSTEM



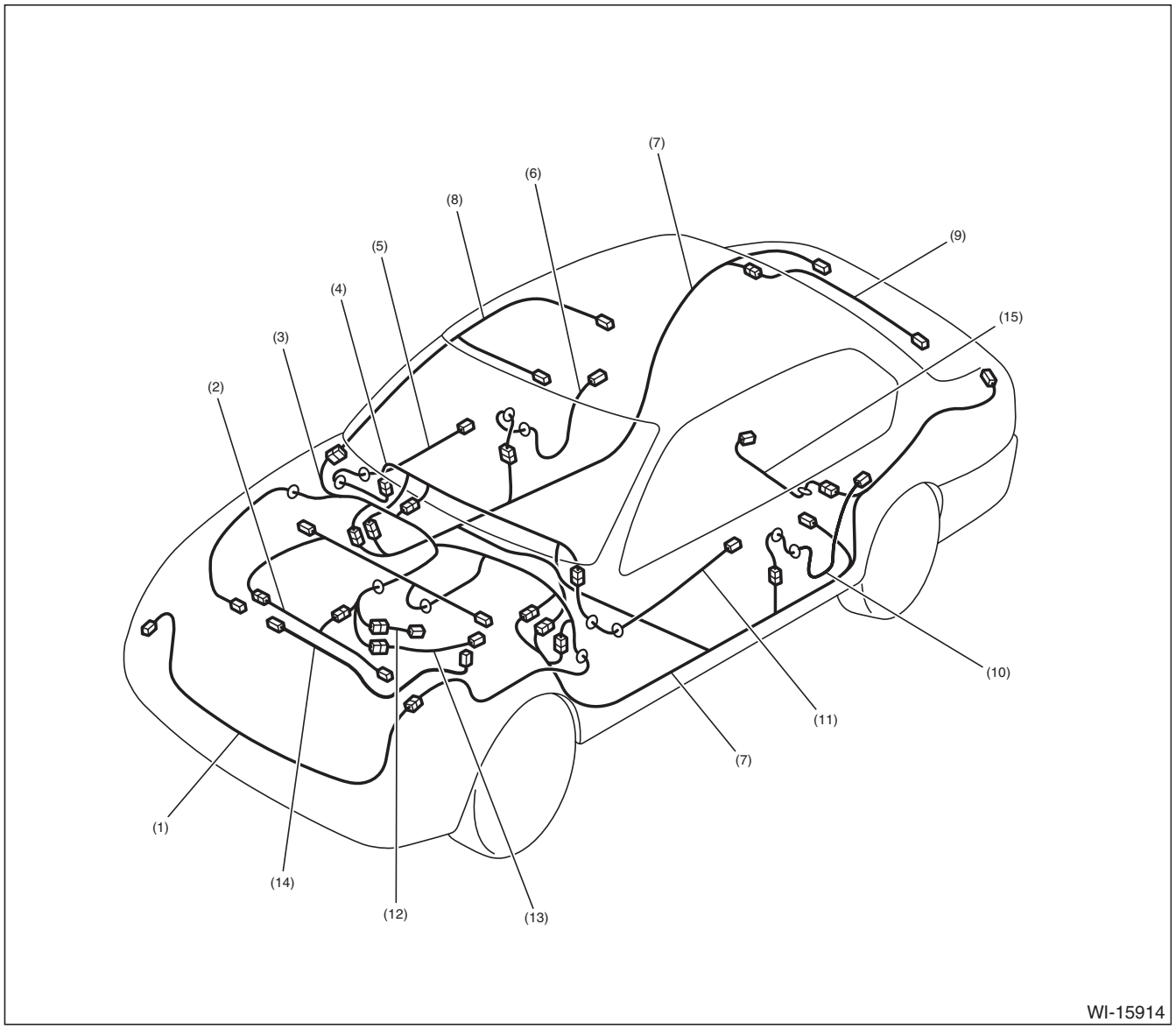


WI-22141

53.Harness Components Location

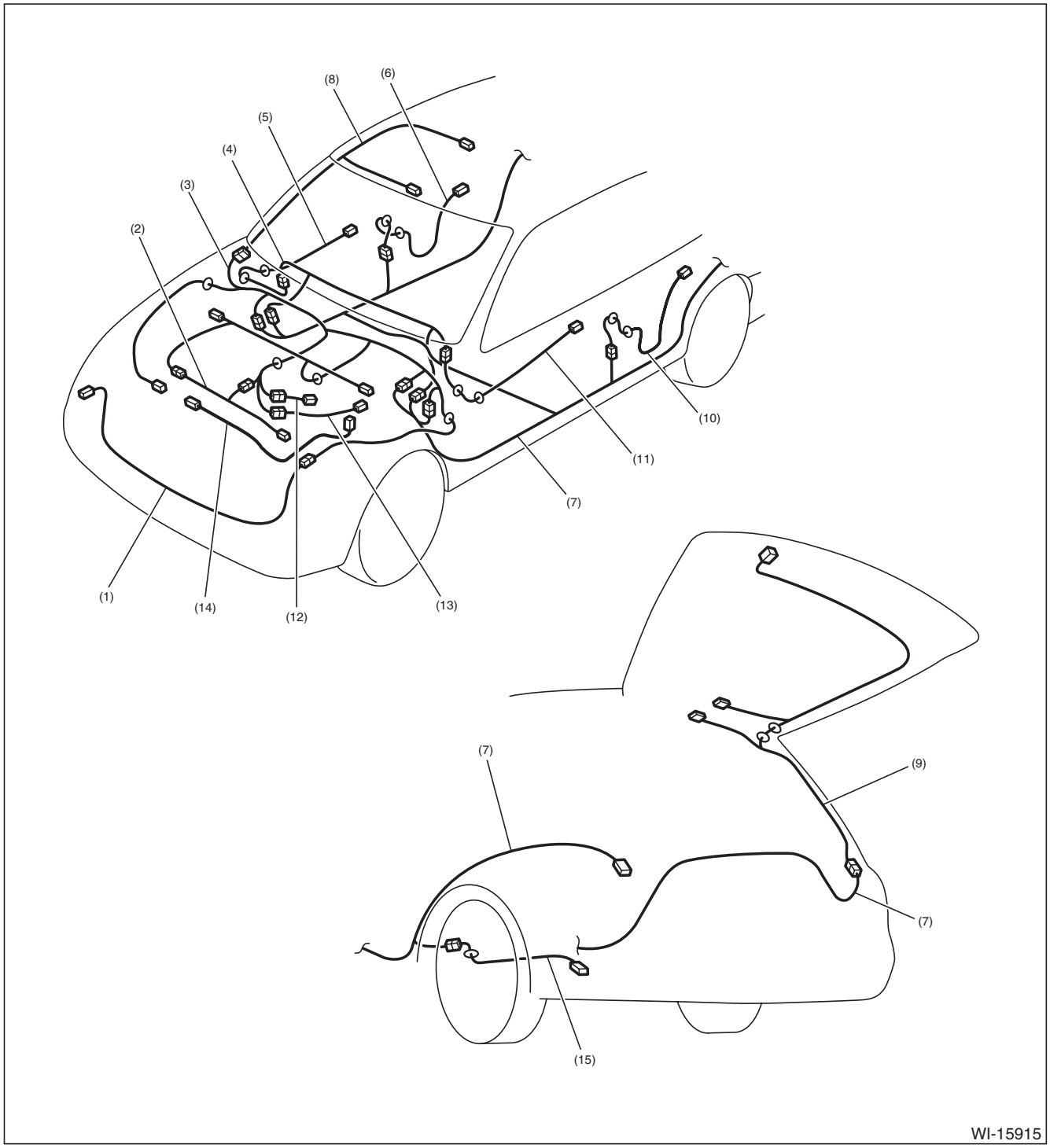
A: LOCATION

1. SEDAN MODEL



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

2. WAGON MODEL



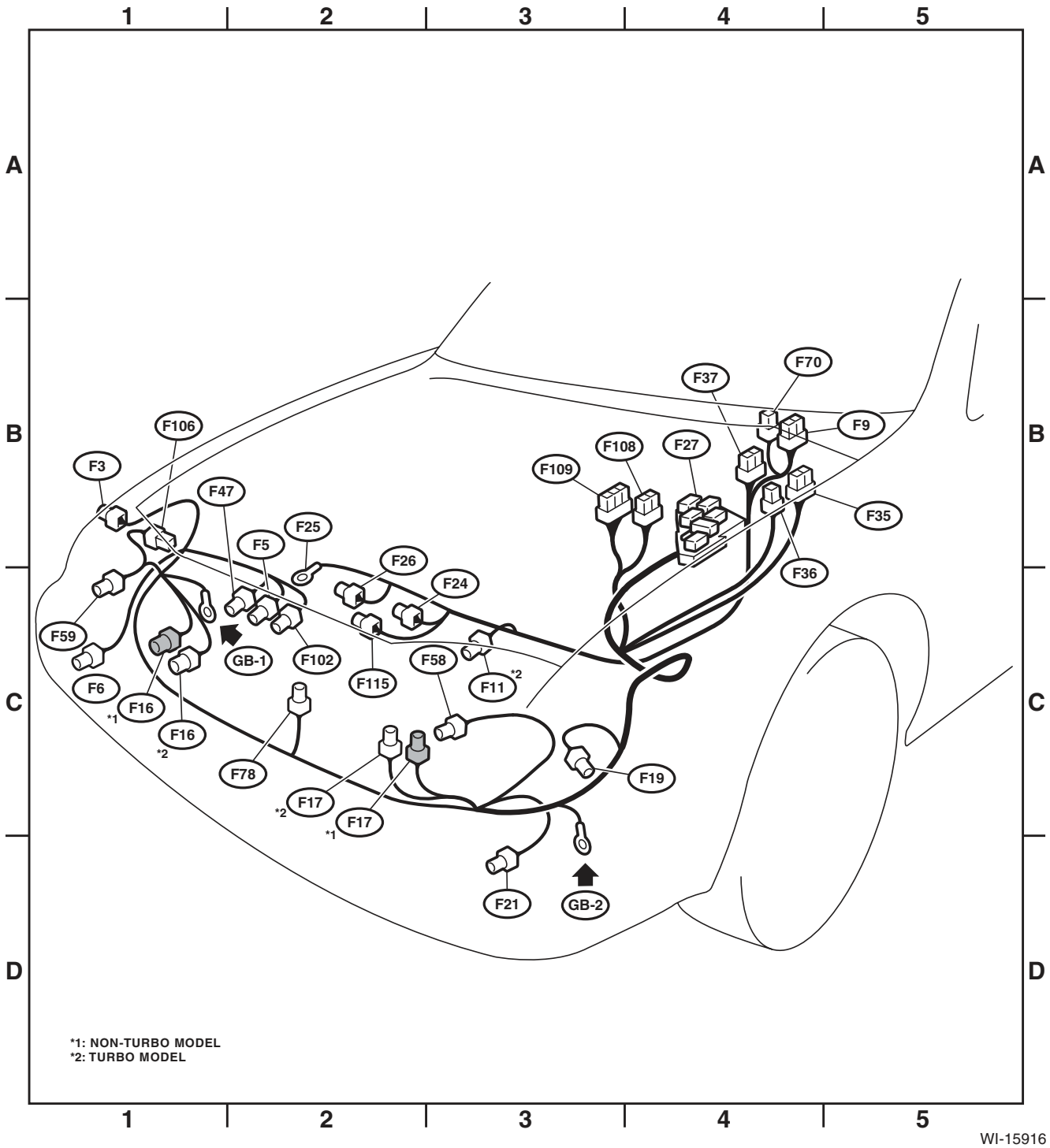
(1) Front wiring harness
(2) Engine wiring harness
(3) Bulkhead wiring harness
(4) Instrument panel wiring harness
(5) Front door cord RH
(6) Rear door cord RH
(7) Rear wiring harness
(8) Roof cord
(9) Rear gate cord
(10) Rear door cord LH
(11) Front door cord LH
(12) Transmission cord
(13) Rear oxygen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

54.Front Wiring Harness

A: LOCATION

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

Front Wiring Harness



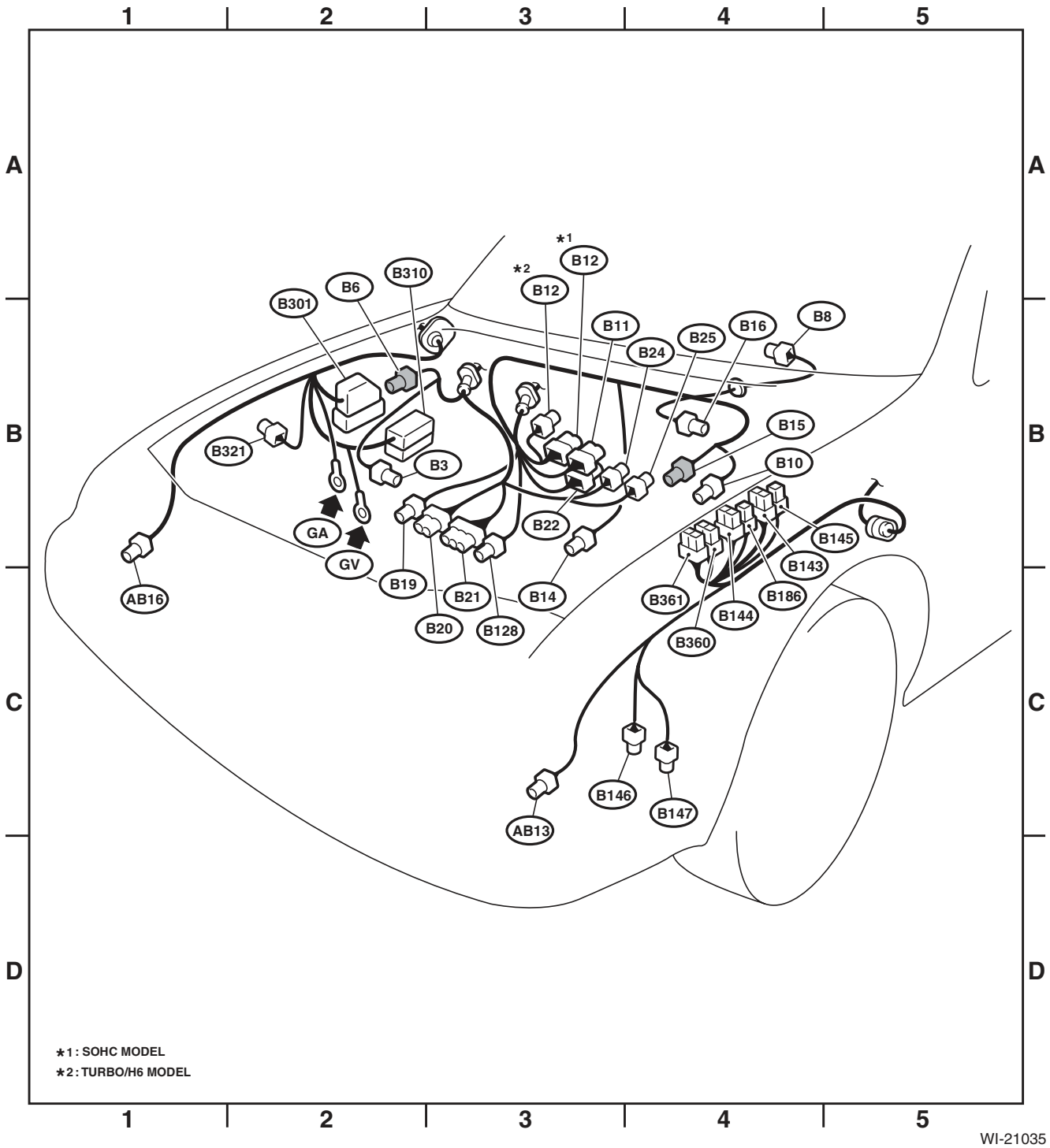
55. Bulkhead Wiring Harness (In Engine Compartment)

A: LOCATION

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
B3	5	Black	B-2		Mass air flow and intake air temperature sensor
B6	2	Gray	B-2		Front ABS wheel speed sensor RH
B8	5	Gray	B-4		Front wiper motor
B10	4	Gray	B-4		Pressure switch
B11	20	Gray	B-3	T4	Transmission (AT model)
B12	8	Gray	B-3	T3	Transmission cord (Turbo • H6 model)
	12	Gray	B-3	T3	Transmission cord (SOHC model)
B14	1	Black	B-3		Starter motor
B15	2	Gray	B-4		Front ABS wheel speed sensor LH
B16	2	Gray	B-4		Brake fluid level switch
B19	4	Green	B-2	T5	Rear oxygen sensor cord (turbo, 5AT, 5MT model)
		Gray	B-2	T5	Rear oxygen sensor cord (Turbo, 6MT model)
B20	16	Brown	B-3	E1	Engine wiring harness (H6 model)
B21	54	Black	B-3	E2	Engine wiring harness
B22	16	Brown	B-3	E3	Engine wiring harness (H6 model)
B24	2	Gray	B-3	T1	Back-up light switch (H4 Non-turbo model)
B25	2	Brown	B-4	T2	Neutral position switch (H4 Non-turbo model)
B128	4	Gray	B-3	T9	Transmission harness (Turbo model)
B143	20	★	B-4		Main fuse box (M/B)
B144	9	Brown	B-4		
B145	7	Brown	B-4		
B146	2	Gray	C-4		Front washer motor
B147	2	Gray	C-4		Rear washer motor
B186	8	★	B-4		Main fuse box (M/B)
B301	26	Black	B-2		ABS control module
B310	46	Black	B-2		VDC control module
B321	2	Black	B-2		Hood switch
B360	16	Gray	B-4	F109	Through joint connector
B361	14	Gray	B-4	F108	
★: White or natural color					

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

Bulkhead Wiring Harness (In Engine Compartment)



56. Bulkhead Wiring Harness (In Compartment)

A: LOCATION

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
B31	10	Yellow	C-4	AB1	Airbag wiring harness
B32	8	★	C-2		Turn signal & hazard unit
B36	28	★	B-2	i1	Instrument panel wiring harness
B37	8	★	C-5	i2	Instrument panel wiring harness (Manual A/C)
B38	20	★	B-5	i3	Instrument panel wiring harness
B40	16	Black	C-2		Data link connector
B41	2	★	B-2		Power window circuit breaker
B47	6	Brown	B-5		Main relay
B52	24	★	C-2		Fuse & relay box (F/B)
B53	20	★	C-3		Joint connector (4AT model)
B54	35	★	C-3		TCM
B55	35	★	C-3		
B65	4	Black	B-3		Stop light and brake switch
B68	14	★	B-4		Roll connector
B69	4	★	C-4		Parking switch
B70	18	★	B-4		Combination switch
B71	17	★	C-3		
B72	6	★	C-4		Ignition switch
B75	2	Green	B-4	B76	Delivery (test) mode connector
B76	2	Green	B-4	B75	
B77	7	Green	B-4		Mode door actuator
B83	8	★	C-5		Joint connector
B85	2	Black	B-2		Diode (Fog light)
B86	4	★	B-4		Power transistor (Auto A/C)
	4	★	B-4		Blower Resistor (Manual A/C)
B87	2	★	B-5		Blower motor
B88	5	★	B-4		Evaporator sensor (Manual A/C)
	2	★	B-4		Evaporator sensor (Auto A/C)
B90	16	★	B-5	R50	Roof cord
B91	7	Green	B-4		Intake door actuator
B96	8	Black	B-1		Daytime running light control module
B97	20	★	C-1	R1	Rear wiring harness
B98	16	★	B-5	R2	
B106	2	★	B-2		Clutch switch
B107	2	Blue	B-2		Clutch switch (model with cruise control)
B116	12	★	D-4		AT Select lever
B122	8	★	C-5		Joint connector (E/G)
B134	34	★	C-4		ECM
B135	35	★	C-4		
B136	35	★	C-4		
B137	31	★	C-4		
B138	8	★	C-4		Joint connector
B152	10	Gray	C-2		Fuse & relay box (F/B)
B158	8	★	C-2		
B159	9	Brown	C-2		
B170	8	★	D-5		CAN joint connector

Bulkhead Wiring Harness (In Compartment)

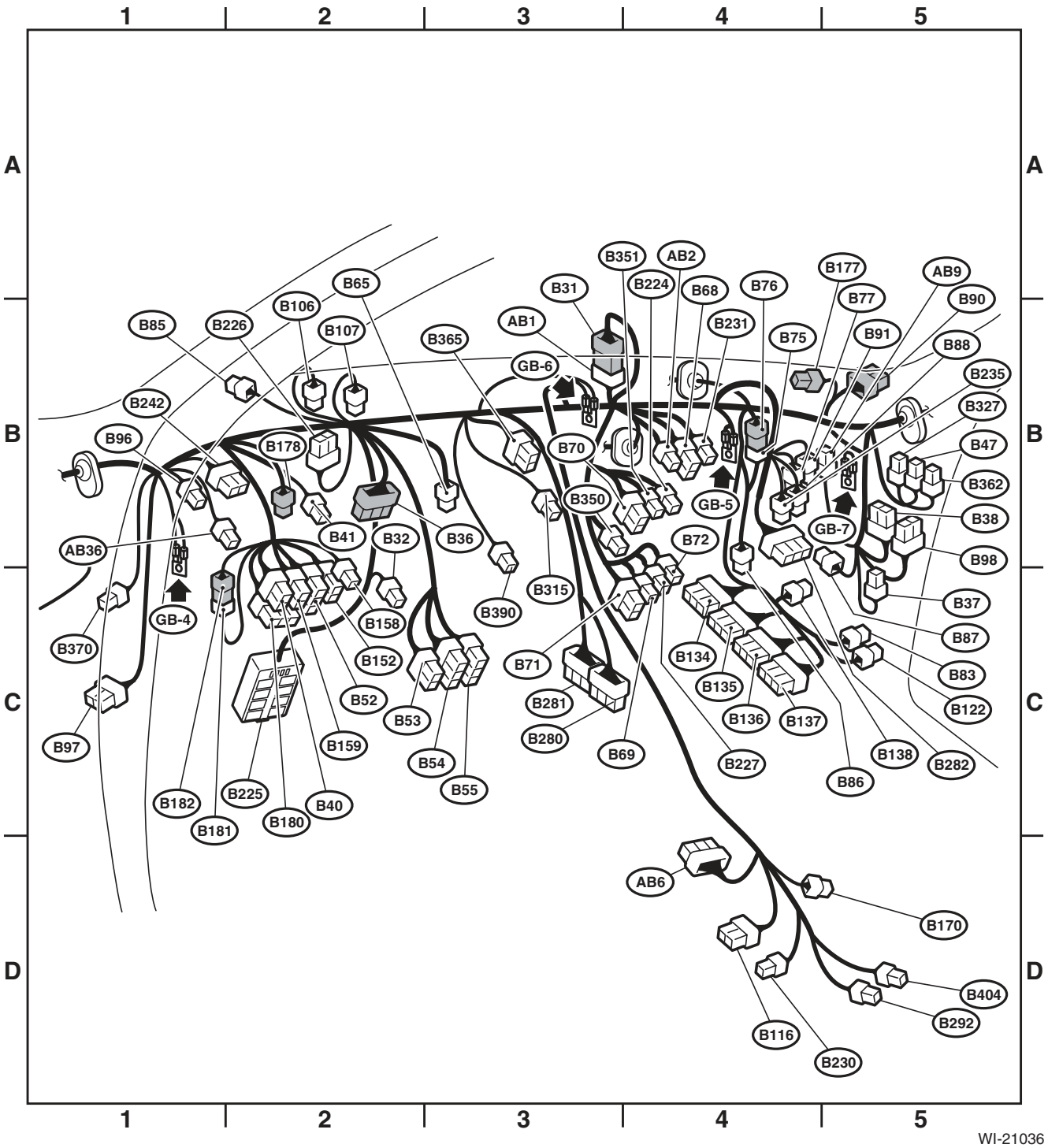
Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
B177	2	★	B-4		Wiper deicer
B178	8	★	B-2	i42	Instrument panel wiring harness
B180	24	★	C-2		Remote engine start control module
B181	2	★	C-1	B182	Short connector
B182	2	★	C-1	B181	
B224	2	★	B-4		Ignition switch illumination
B225	40	Black	C-2		Fuse (Relay block)
					Mirror heater relay
					Starter relay
					Front fog light relay
					Power window relay
					Blower motor relay
					Low beam relay
					Wiper deicer relay
					Seat heater relay
B226	11	Blue	B-2		Relay holder (turbo model, H6 model)
B227	3	★	C-4		Paddle switch
B230	4	Black	D-4		Yaw rate sensor (VDC)
B231	4	Black	B-4		Steering angle sensor (VDC)
B235	7	Green	B-4		Passenger seat air mix door actuator (Auto A/C)
B242	10	★	B-1		Daytime running light control module
B280	30	★	C-3		Body integrated unit
B281	28	★	C-3		
B282	40	★	B-4		Auto A/C control module
B292	3	★	D-5		ABS G sensor
B315	6	Black	B-3		Accelerator pedal position sensor
B327	6	Brown	B-5		A/F, oxygen sensor relay (H4 Non-turbo model)
	6	Brown	B-5		Main relay 2 (H6 model)
B350	4	★	B-3		Key warning switch & key lock solenoid
B351	2	Black	B-4		Immobilizer antenna
B362	8	Black	B-5		Relay holder
B365	20	★	B-3		CAN joint connector
B370	4	Brown	C-1		Diode
B390	7	Green	B-3		Driver seat air mix actuator (Auto A/C)
B404	1	Black	D-5		Parking brake switch

★: White or natural color

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
AB1	10	Gray	C-4	B31	Airbag wiring harness
AB2	4	Yellow	B-4	AB7	Driver's airbag module
AB6	30	Yellow	D-4		Airbag control module
AB9	4	Yellow	B-5	AB10	Passenger's airbag module
AB36	2	★	B-1		Fuse & relay box (F/B)

★: White or natural color

Bulkhead Wiring Harness (In Compartment)



57. Engine Wiring Harness and Transmission Cord

A: LOCATION

1. 2.5 L NON-TURBO MODEL

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

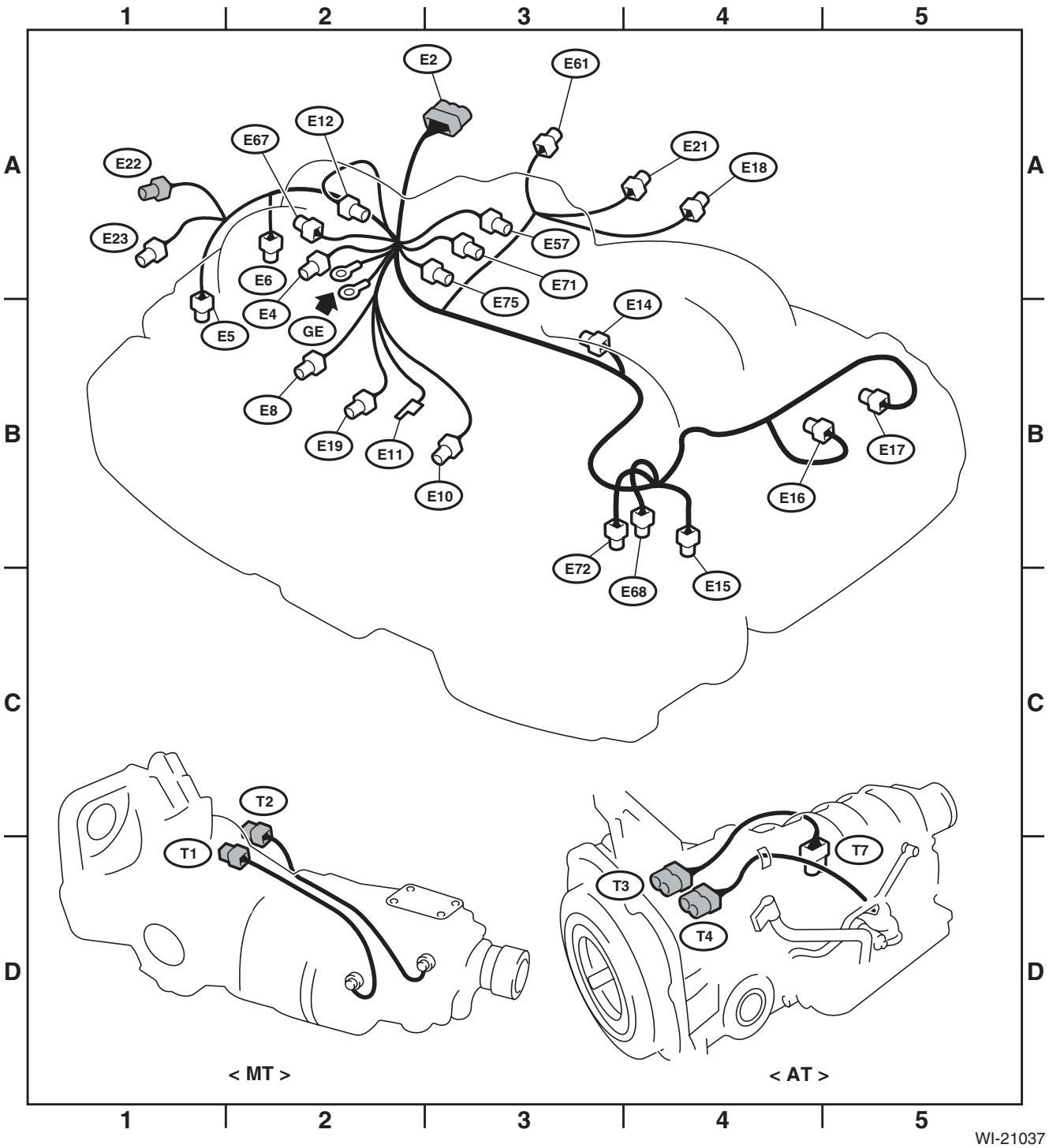
MT MODEL

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
T1	2	Gray	C-2	B24	Bulkhead wiring harness
T2	2	Brown	D-4	B25	

AT MODEL

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
T3	12	Black	D-4	B12	Bulkhead wiring harness
T4	20	Gray	D-4	B11	
T7	9	Black	D-5		Inhibitor switch

Engine Wiring Harness and Transmission Cord



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2. TURBO MODEL

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
E2	54	Black	A-3	B21	Bulkhead wiring harness
E4	2	Black	B-2		Purge control solenoid valve 1
E5	2	Dark gray	B-1		Fuel injector No. 1
E6	2	Dark gray	A-2		Fuel injector No. 3
E8	2	Black	B-2		Engine coolant temperature sensor
E10	2	Light gray	B-3		Crankshaft position sensor
E11	1	—	B-2		Oil pressure switch
E14	2	Light gray	A-3		Knock sensor
E16	2	Dark gray	B-4		Fuel injector No. 2
E17	2	Dark gray	B-4		Fuel injector No. 4
E19	1	★	B-2		Power steering oil pressure switch
E21	3	Black	A-3		Manifold absolute pressure sensor
E31	3	★	B-2		Ignition coil No. 1
E32	3	★	B-4		Ignition coil No. 2
E33	3	Black	A-2		Ignition coil No. 3
E34	3	Black	B-4		Ignition coil No. 4
E35	3	Light gray	A-4		Camshaft position sensor LH
E36	3	Light gray	A-2		Camshaft position sensor RH
E37	2	Blue	B-4		Oil flow control solenoid valve LH
E38	2	Blue	B-1		Oil flow control solenoid valve RH
E40	2	Black	B-4		Secondary air combination valve LH
E41	6	Black	B-2		Secondary air combination valve RH
E51	5	Light gray	B-4		Tumble generator valve assembly LH
E52	2	Black	A-3		Purge control solenoid valve 2
E55	5	Light gray	A-1		Tumble generator valve assembly RH
E57	6	Black	A-3		Electronic throttle control
E64	2	Blue	A-3		Wastegate control solenoid valve
E79	4	★	B-2		Front oxygen (A/F) sensor
E80	2	Dark gray	B-2		Leak diagnosis connector
★: White or natural color					

MT MODEL

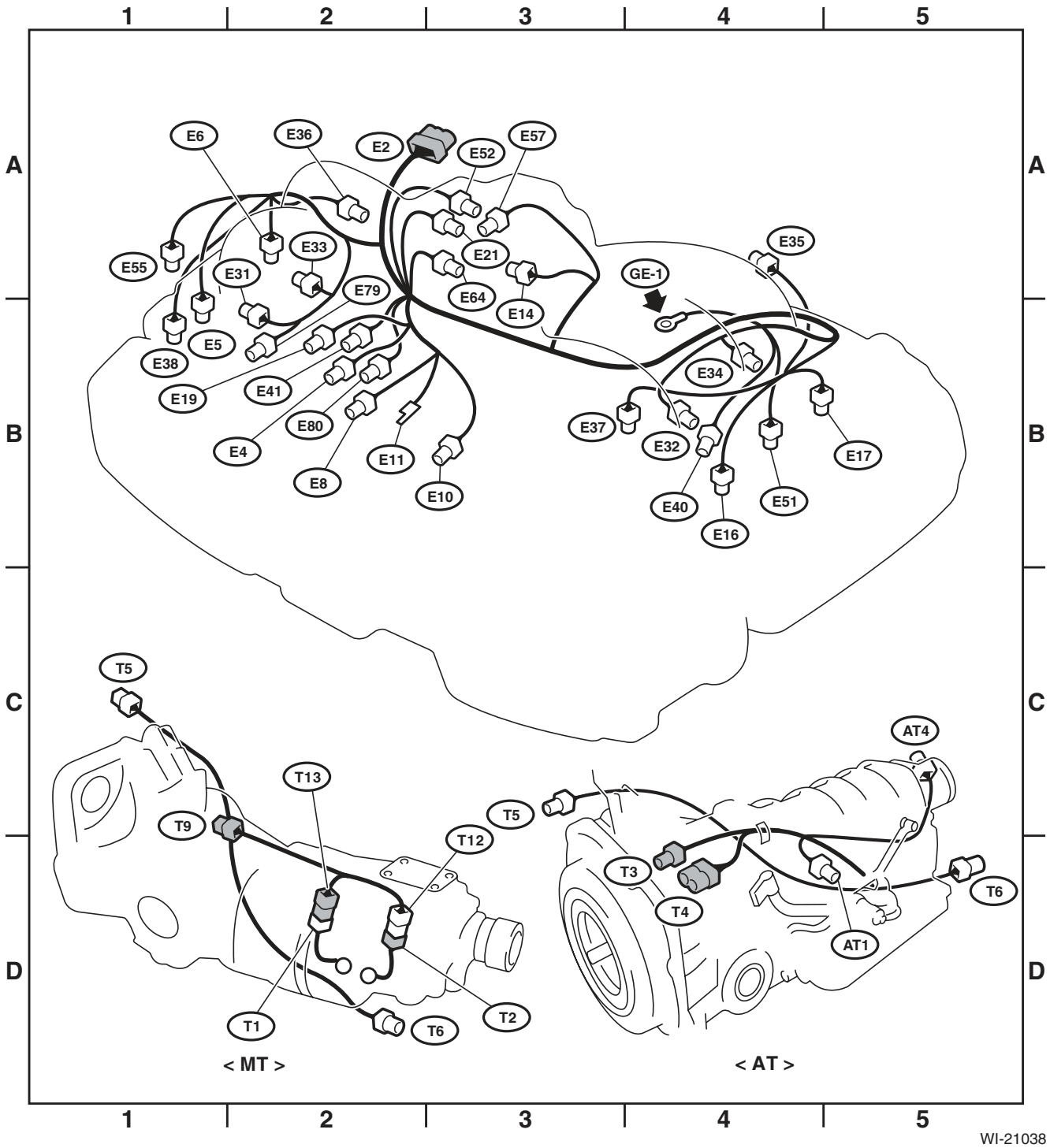
Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
T1	2	Gray	D-2	T13	Transmission harness (5MT model)
T2	2	Brown	D-2	T12	Transmission harness (5MT model)
T5	4	Green	C-1	B19	Bulkhead wiring harness
T6	4	Dark gray	D-2		Rear oxygen sensor
T9	4	Gray	C-1	B128	Bulkhead wiring harness
T12	2	Brown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

AT MODEL

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

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
AT1	3	Black	D-5		Turbine speed sensor 1
AT4	3	Black	C-5		Rear vehicle speed sensor

Engine Wiring Harness and Transmission Cord



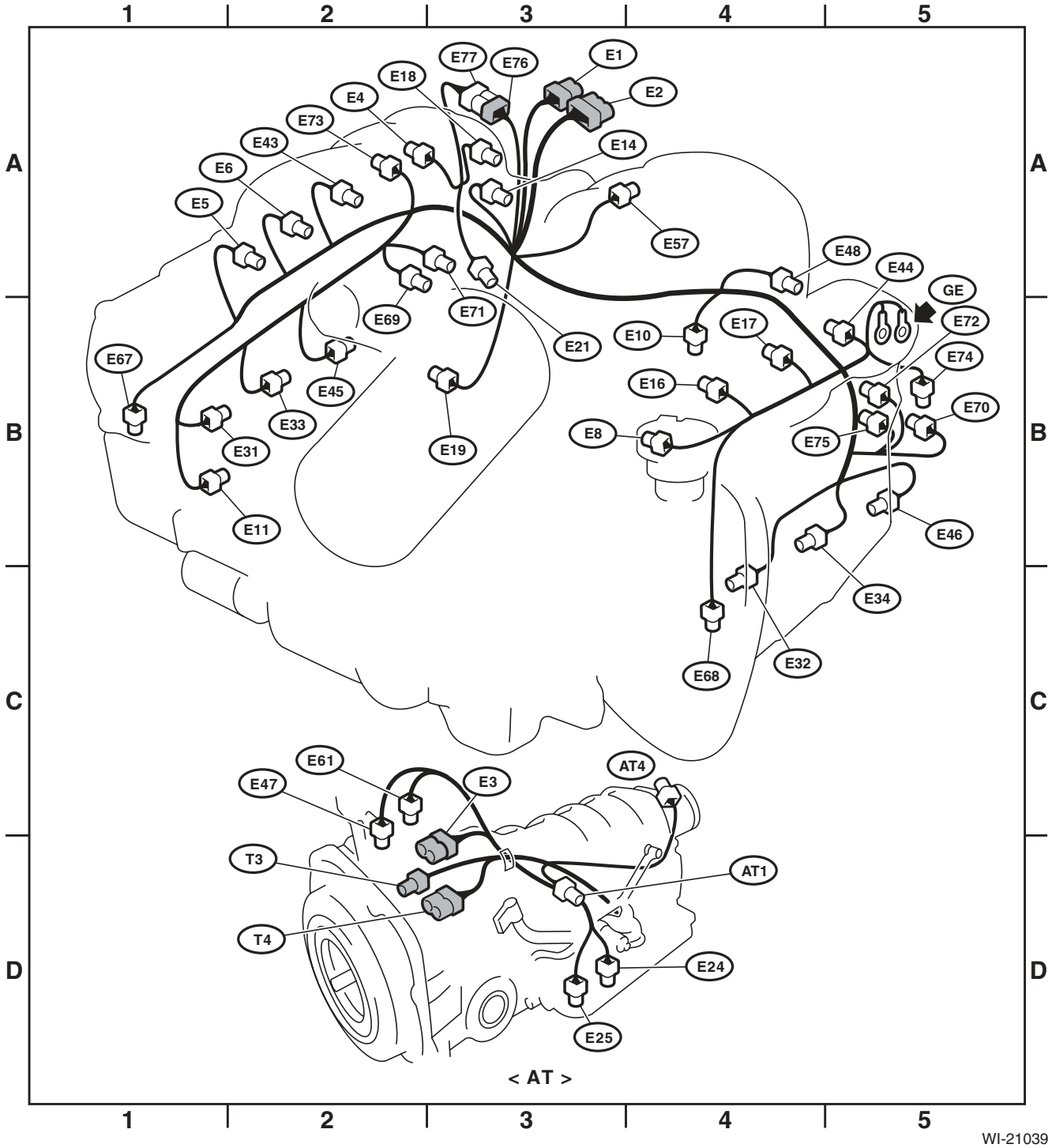
3. 3.0 L MODEL

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
E1	16	Brown	A-3	B20	Bulkhead wiring harness
E2	54	Black	A-3	B21	
E3	16	Brown	D-3	B22	
E4	2	Blue	A-2		Purge control solenoid valve
E5	2	Dark gray	A-2		Fuel injector No. 1
E6	2	Dark gray	A-2		Fuel injector No. 3
E8	2	Black	B-4		Engine coolant temperature sensor
E10	2	Dark gray	B-4		Crankshaft position sensor
E11	1	★	B-1		Oil pressure switch
E14	2	Blue	A-3		Knock sensor 1
E16	2	Dark gray	B-4		Fuel injector No. 2
E17	2	Dark gray	B-4		Fuel injector No. 4
E18	6	Dark gray	A-3		EGR valve
E19	1	★	B-3		Power steering oil pressure switch
E21	3	Black	A-3		Manifold absolute pressure sensor
E24	4	Light gray	D-3		Front oxygen (A/F) sensor LH
E25	4	Dark gray	D-3		Rear oxygen sensor LH
E31	3	Black	B-1		Ignition coil No. 1
E32	3	Black	C-4		Ignition coil No. 2
E33	3	★	B-2		Ignition coil No. 3
E34	3	★	B-4		Ignition coil No. 4
E43	2	Dark gray	A-2		Fuel injector No. 5
E44	2	Dark gray	B-5		Fuel injector No. 6
E45	3	Black	B-2		Ignition coil No. 5
E46	3	Black	B-5		Ignition coil No. 6
E47	4	Light gray	D-2		Front oxygen (A/F) sensor RH
E48	2	Blue	A-4		Knock sensor 2
E57	6	Black	A-4		Electronic throttle control
E61	4	Dark gray	C-2		Rear oxygen sensor RH
E67	2	Black	B-1		Oil flow control solenoid valve RH
E68	2	Black	C-4		Oil flow control solenoid valve LH
E69	2	Blue	A-2		Oil switching solenoid valve RH
E70	2	Blue	B-5		Oil switching solenoid valve LH
E71	1	★	A-3		Variable valve lift diagnosis oil pressure switch RH
E72	1	★	B-5		Variable valve lift diagnosis oil pressure switch LH
E73	3	Gray	A-2		Camshaft position sensor RH
E74	3	Gray	B-5		Camshaft position sensor LH
E75	2	Black	B-5		Oil temperature sensor
E76	10	Dark gray	A-3	E77	Engine wiring harness
E77	10	Dark gray	A-3	E76	
★: White or natural color					

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
T3	8	Gray	D-2	B12	Bulkhead wiring harness
T4	20	Gray	D-3	B11	

Engine Wiring Harness and Transmission Cord

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
AT1	3	Black	D-3		Turbine speed sensor 1
AT4	3	Black	C-4		Rear vehicle speed sensor

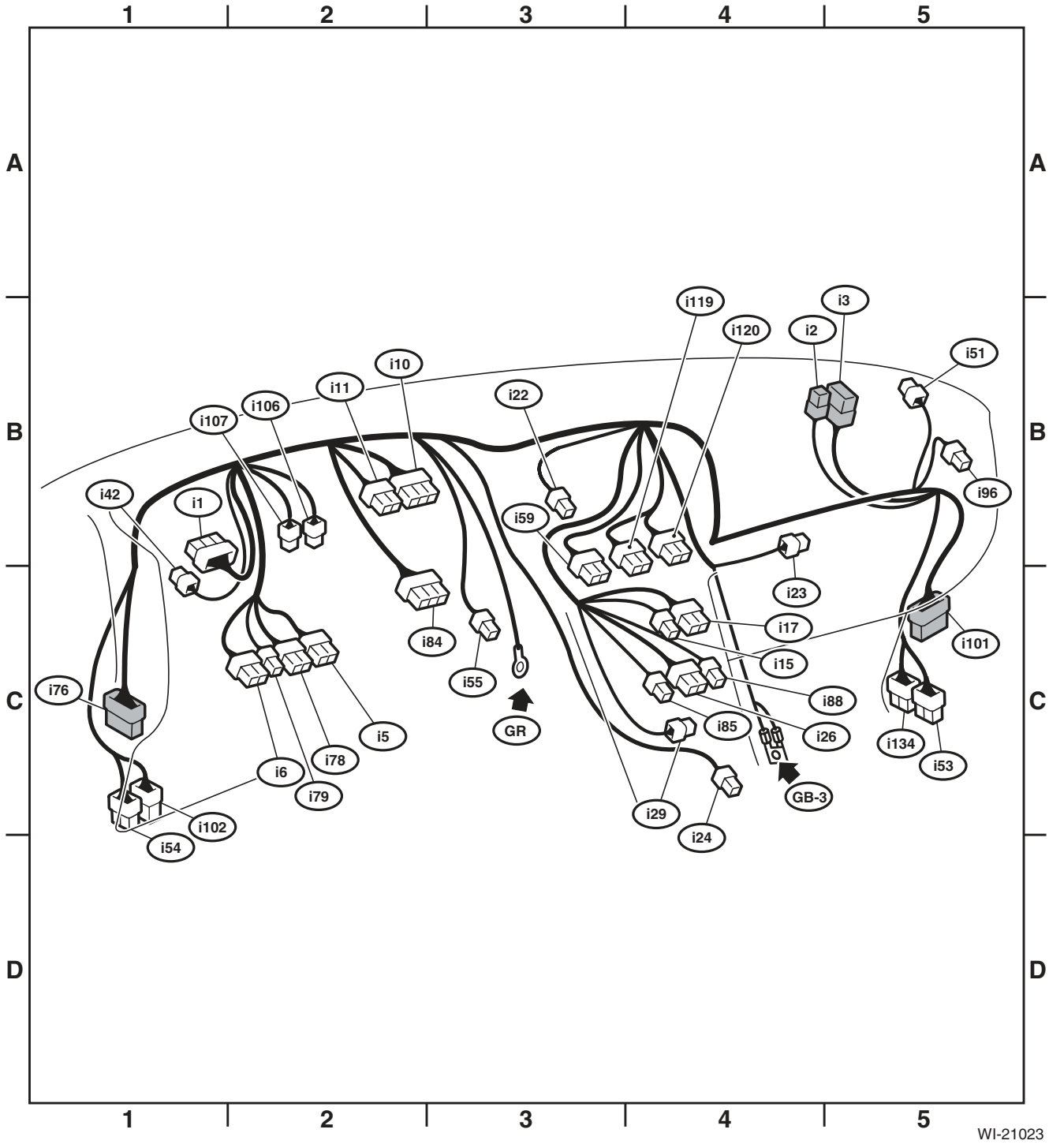


58.Instrument Panel Wiring Harness

A: LOCATION

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
i1	28	★	B-1	B36	Bulkhead wiring harness
i2	8	★	B-4	B37	
i3	20	★	B-5	B38	
i5	20	★	C-2		Fuse & relay box (F/B)
i6	16	★	C-2		Remote control mirror switch
i10	22	Green	B-2		Combination meter
i11	14	Green	B-2		
i15	6	★	C-4		Blower switch (Manual A/C)
i17	16	Black	C-4		A/C control panel (Manual A/C)
i22	4	★	B-3		Hazard switch
i23	2	★	B-4		Glove box light
i24	2	★	C-4		Front accessory power supply socket
i26	14	★	C-4		Audio
i29	1	Black	C-4		Audio bracket ground
i42	8	★	C-1	B178	Bulkhead wiring harness
i51	2	★	B-5		Sunload sensor
i53	18	★	C-5	R98	Rear wiring harness
i54	12	★	C-1	R99	
i55	2	★	C-3		In-vehicle sensor
i59	10	★	B-3		Clock
i76	25	★	C-1	D83	Front door cord LH
i78	15	Blue	C-2		Push switch
i79	6	★	C-2		Illumination control
i84	35	Gray	C-2		Body integrated unit
i85	8	Black	C-4		Audio
i88	8	Black	C-4		A/C control panel (Auto A/C)
i96	8	★	B-5		Keyless entry control module
i101	25	★	C-5	D84	Front door cord RH
i102	16	★	C-1	R167	Rear wiring harness
i106	4	★	B-2		CAN joint connector
i107	4	★	B-2		
i119	16	Black	B-4		TV monitor
i120	20	Black	B-4		
i134	14	★	C-5	R100	Rear wiring harness
★: White or natural color					

Instrument Panel Wiring Harness



59. Rear Wiring Harness

A: LOCATION

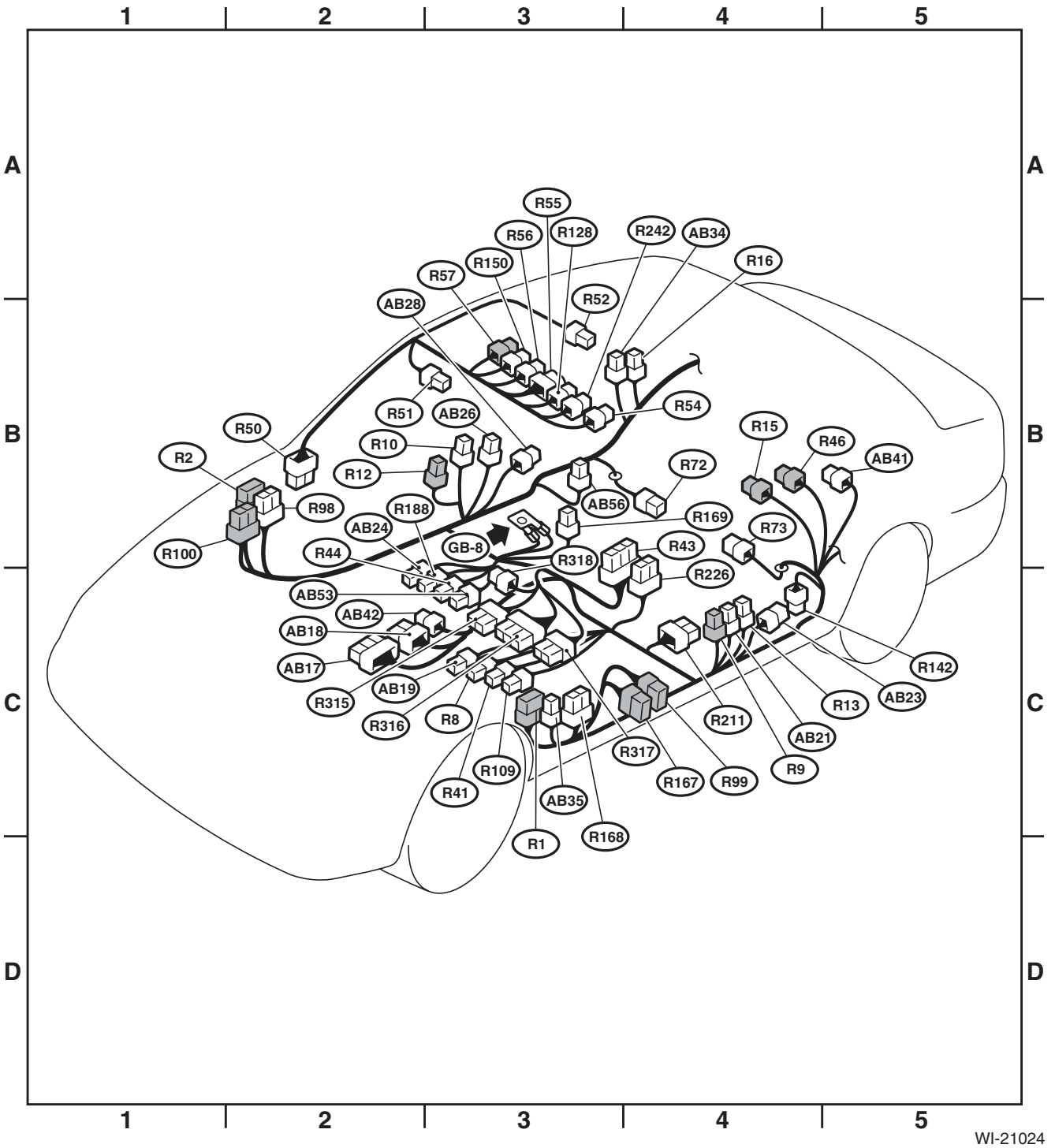
1. SEDAN MODEL

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
R1	20	★	C-3	B97	Bulkhead wiring harness
R2	16	★	B-2	B98	
R8	4	★	C-3		Front seat belt switch LH
R9	3	★	C-4		Front door switch LH
R10	8	★	B-3	D22	Rear door cord RH
R12	3	★	B-3		Front door switch RH
R13	8	★	C-4	D28	Rear door cord LH
R15	8	★	B-4	R213	Fuel cord
R16	3	★	B-4		Rear door switch RH
R41	4	★	C-3		Seat heater unit LH
R43	22	★	C-3		Adapter cord (console)
R44	4	★	C-3		Seat heater unit RH
R46	6	★	B-4	R67	Fuel cord
R50	16	★	B-2	B90	Bulkhead wiring harness
R51	2	Black	B-3		Vanity mirror light RH
R52	3	★	B-3		Room light
R54	2	Black	B-3		Vanity mirror light LH
R55	10	Gray	B-3		Sunroof motor assembly
R56	2	★	B-3		Spot map light
R57	3	★	B-3		Shade mirror
R72	2	Gray	B-4		Rear ABS wheel speed sensor RH
R73	2	Gray	B-4		Rear ABS wheel speed sensor LH
R98	18	★	B-2	i53	Instrument panel wiring harness
R99	12	★	C-4	i54	
R100	14	★	B-2	i134	
R109	4	Black	C-3		Power seat LH
R128	5	★	B-3		Sunroof switch
R142	2	Black	C-4		Fuel pump condenser
R150	8	Gray	B-3		Seat belt & airbag warning light & spot map light
R167	16	★	C-4	i102	Instrument panel wiring harness
R168	20	★	C-3		Fuse & relay box (F/B)
R169	8	★	B-3		Impact sensor
R188	2	Black	C-3		Power seat RH
R211	12	★	C-4		TPM control module
R226	10	★	C-4		Navigation control module
R242	5	Black	B-3		Sunroof tilt switch
R315	12	★	C-3		Audio amplifier (premium audio model)
R316	24	★	C-3		
R317	10	Blue	C-3		
R318	4	★	C-3		Joint connector

★: White or natural color

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
AB17	24	Yellow	C-2		Airbag control module LH
AB18	24	Yellow	C-2		Airbag control module RH
AB19	2	Yellow	C-3	AB20	Side airbag module LH
AB21	2	Black	C-4		Pretensioner LH
AB23	4	Yellow	C-4		Side airbag sensor LH
AB24	2	Yellow	C-2	AB25	Side airbag module RH
AB26	2	Black	B-3		Pretensioner RH
AB28	4	Yellow	B-3		Side airbag sensor RH
AB34	4	Yellow	B-3		Curtain airbag sensor RH
AB35	2	Black	C-3		Fuse & relay box (F/B)
AB41	2	Yellow	B-5		Satellite safing sensor
AB42	4	★	C-2		Shield joint connector
AB53	6	Gray	C-3		Occupant detection control module
AB56	3	Brown	B-3		Belt tensioner sensor

Rear Wiring Harness



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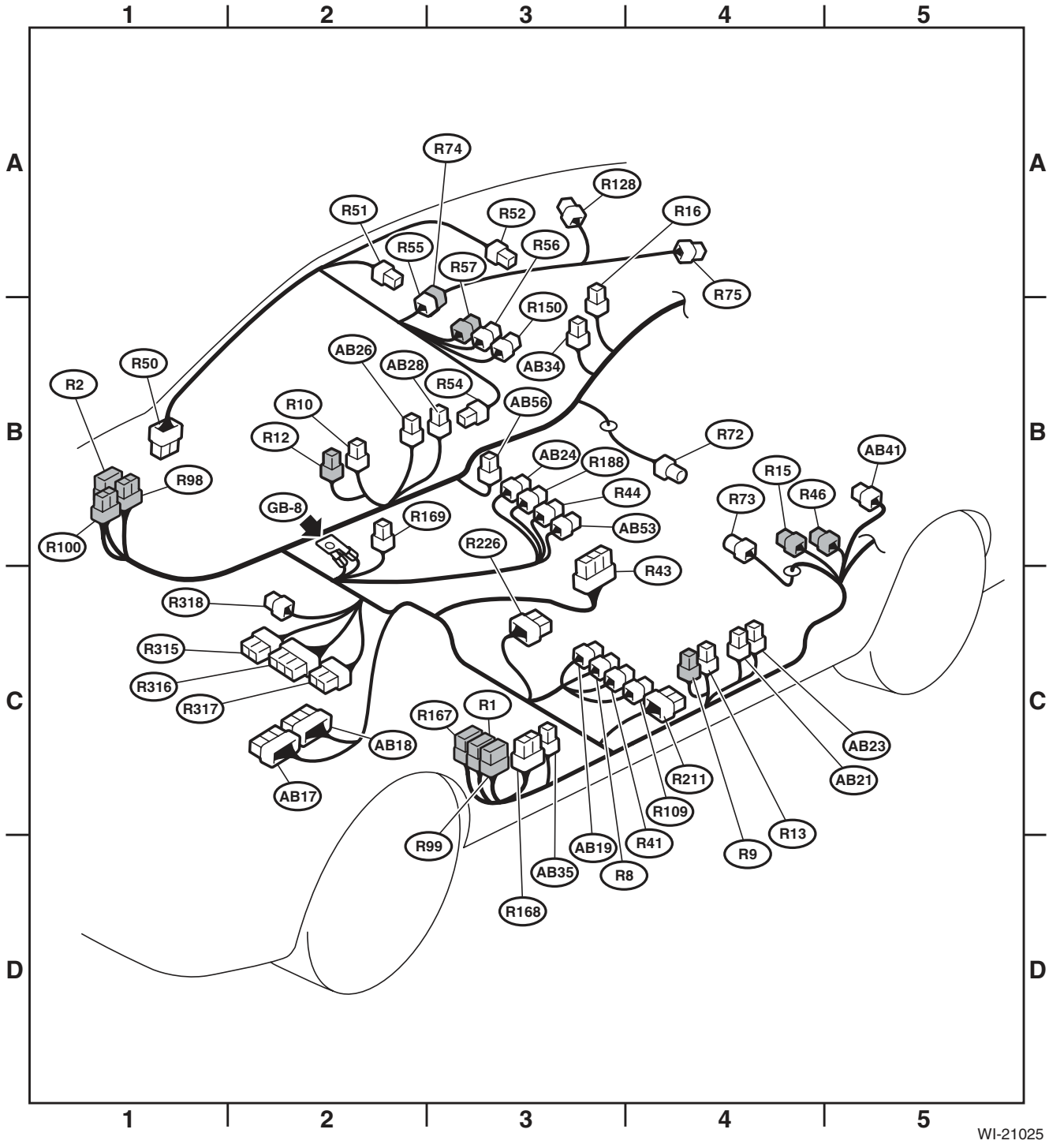
2. WAGON MODEL

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
R1	20	★	C-3	B97	Bulkhead wiring harness
R2	16	★	B-1	B98	
R8	4	★	C-3		Front seat belt switch LH
R9	3	★	C-4		Front door switch LH
R10	8	★	B-2	D22	Rear door cord RH
R12	3	★	B-2		Front door switch RH
R13	8	★	C-4	D28	Rear door cord LH
R15	8	★	B-4	R213	Fuel cord
R16	3	★	A-3		Rear door switch RH
R41	4	★	C-3		Seat heater unit LH
R43	22	★	C-3		Adapter cord (console)
R44	4	★	B-3		Seat heater unit RH
R46	6	★	B-5	R67	Fuel cord
R50	16	★	B-1	B90	Bulkhead wiring harness
R51	2	Black	A-2		Vanity mirror light RH
R52	3	★	A-3		Room light
R54	2	Black	B-3		Vanity mirror light LH (Without home link)
	3	★	B-3		Vanity mirror light LH (With home link)
R55	2	★	B-3	R74	Sunroof cord
R56	2	★	B-3		Spot map light
R57	3	★	B-3		Shade mirror
R72	2	Gray	B-4		Rear ABS wheel speed sensor RH
R73	2	Gray	B-4		Rear ABS wheel speed sensor LH
R74	2	★	A-3	R55	Roof cord
R75	6	★	A-4		Sunroof motor assembly
R98	18	★	B-1	i53	Instrument panel wiring harness
R99	12	★	C-3	i54	
R100	14	★	B-1	i134	
R109	4	Black	C-4		Power seat LH
R128	5	★	A-3		Sunroof switch
R150	8	Gray	B-3		Seat belt & airbag warning light & spot map light
R167	16	★	C-3	i102	Instrument panel wiring harness
R168	20	★	C-3		Fuse & relay box (F/B)
R169	8	★	B-2		Impact sensor
R188	2	Black	B-4		Power seat RH
R211	12	★	C-4		TPM control module
R226	10	★	C-3		Navigation control module
R315	12	★	C-2		Audio amplifier (premium audio model)
R316	24	★	C-2		
R317	10	Blue	C-2		
R318	4	★	C-2		Joint connector

★: White or natural color

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
AB17	24	Yellow	C-2		Airbag control module LH
AB18	24	Yellow	C-2		Airbag control module RH
AB19	2	Yellow	C-3		Side airbag module LH
AB21	2	Black	C-4		Pretensioner LH
AB23	4	Yellow	C-4		Side airbag sensor LH
AB24	2	Yellow	B-3	AB25	Side airbag module RH
AB26	2	Black	B-2		Pretensioner RH
AB28	4	Yellow	B-3		Side airbag sensor RH
AB34	4	Yellow	B-3		Curtain airbag sensor RH
AB35	2	Black	C-3		Fuse & relay box (F/B)
AB41	2	Yellow	B-5		Satellite safing sensor
AB53	6	Gray	B-3		Occupant detection control module
AB56	3	Brown	B-3		Belt tensioner sensor

Rear Wiring Harness

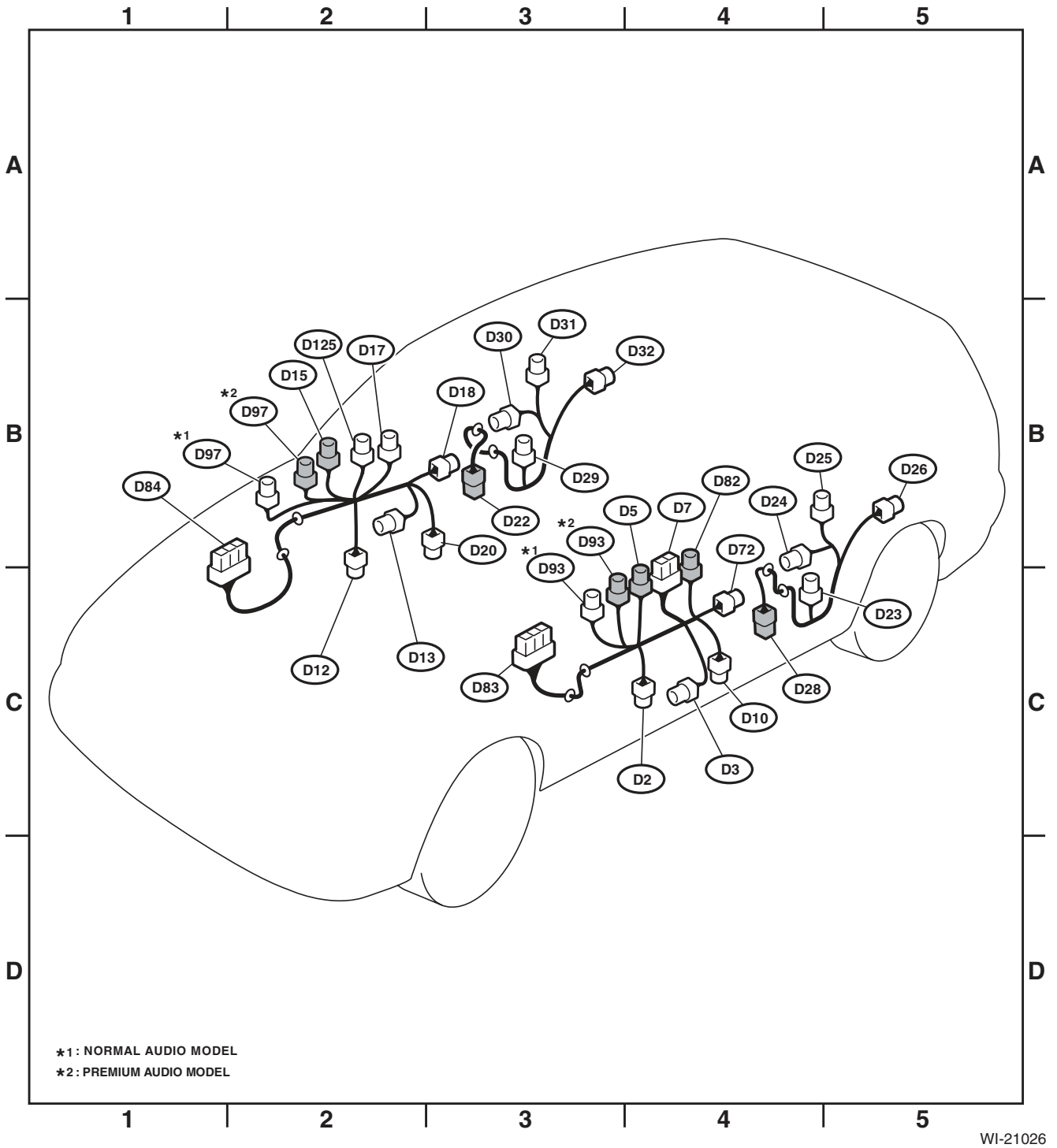


60. Door Cord

A: LOCATION

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

Door Cord



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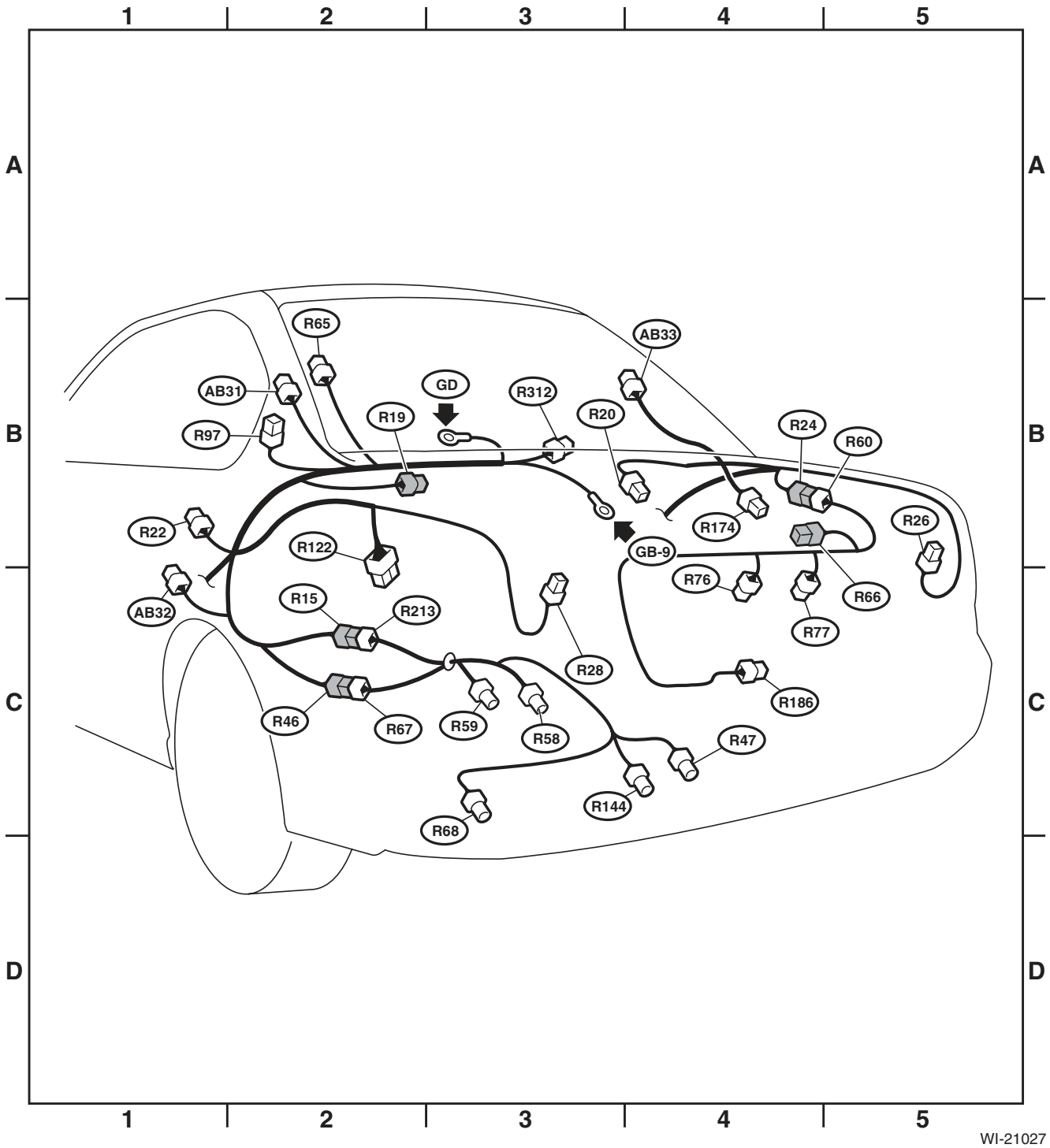
61.Rear Wiring Harness and Trunk Lid Cord

A: LOCATION

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
R15	8	★	C-2	R213	Fuel cord
R19	2	★	B-2		High-mounted stop light
R20	2	★	B-4		Trunk room light
R22	3	★	B-1		Rear door switch LH
R24	8	★	B-4	R60	Trunk lid cord
R26	6	★	B-5		Rear combination light RH
R28	6	★	C-3		Rear combination light LH
R46	6	★	C-2	R67	Fuel cord
R47	3	Black	C-4		Fuel tank pressure sensor
R58	6	Gray	C-3		Fuel pump assembly
R59	2	★	C-3		Fuel sub level sensor
R60	8	★	B-4	R24	Rear wiring harness
R65	1	★	B-2		Rear defogger
R66	2	★	B-4		High-mounted stop light (Rear spoiler)
R67	6	★	C-2	R46	Rear wiring harness
R68	2	Dark gray	C-3		Pressure control solenoid valve
R76	2	★	C-4		License plate light LH
R77	2	★	C-4		License plate light RH
R97	1	★	B-2		Antenna amplifier
R122	10	Black	B-2		Fuel pump control unit
R144	2	Gray	C-4		Drain valve
R174	1	★	B-4		Rear defogger
R186	3	★	C-4		Trunk lid lock actuator & switch
R213	8	★	C-2	R15	Rear wiring harness
R312	2	★	B-3		Sub woofer (premium audio model)
★: White or natural color					

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

Rear Wiring Harness and Trunk Lid Cord

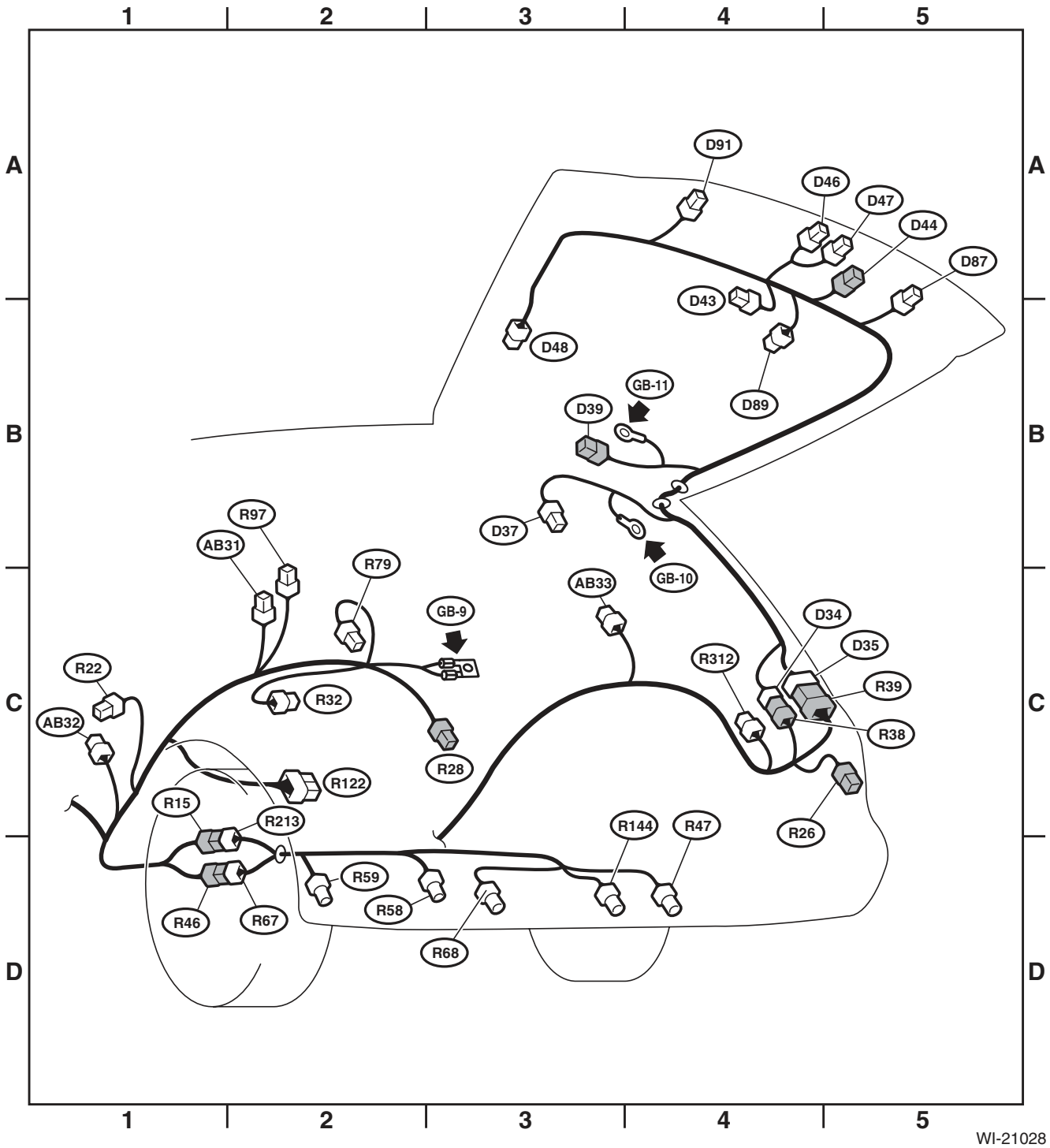


62. Rear Wiring Harness and Rear Gate Cord

A: LOCATION

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
R15	8	★	C-1	R213	Fuel cord
R22	3	★	C-1		Rear door switch LH
R26	4	★	C-5		Rear combination light RH
R28	4	★	C-3		Rear combination light LH
R32	2	★	C-2		Rear accessory power supply socket (cargo room)
R38	8	★	C-4	D34	Rear gate cord
R39	10	★	C-4	D35	
R46	6	★	D-1	R67	Fuel cord
R47	3	Black	D-4		Fuel tank pressure sensor
R58	6	Gray	D-3		Fuel pump assembly
R59	2	★	D-2		Fuel sub level sensor
R67	6	★	D-2	R46	Rear wiring harness
R68	2	Dark gray	D-3		Pressure control solenoid valve
R79	6	★	C-2		Trailer connector
R97	1	★	C-2		Antenna amplifier
R122	10	Black	C-2		Fuel pump control unit
R144	2	Gray	D-3		Drain valve
R213	8	★	C-2	R15	Rear wiring harness
R312	4	★	C-4		Sub woofer (premium audio model)
★: White or natural color					

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

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

Rear Wiring Harness and Rear Gate Cord