WIRING SYSTEM SECTION

This service manual has been prepared to provide SUBARU service personnel with the necessary information and data for the correct maintenance and repair of SUBARU vehicles.
This manual includes the procedures for maintenance, disassembling, reassembling, inspection and adjustment of components and diagnostics for guidance of experienced mechanics.
Please peruse and utilize this manual fully to ensure complete repair work for satisfying our customers by keeping their vehicle in optimum condition. When replacement of parts during repair work is needed, be sure to use SUBARU genuine parts.

All information, illustration and specifications contained in this manual are based on the latest product information available at the time of publication approval.

FUJI HEAVY INDUSTRIES LTD. G2360GE8

WIRING SYSTEM

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1. Basic Diagnostic Procedure

A: BASIC PROCEDURES

1. GENERAL DESCRIPTION

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

2. IDENTIFICATION OF TROUBLE SYMPTOM

Determine what the problem is based on the symptom.

3. PROBABLE CAUSE OF TROUBLE

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

4. LOCATION AND REPAIR OF TROUBLE

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

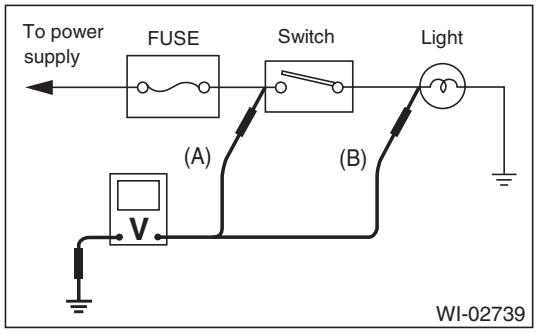
5. SYSTEM OPERATION CHECK

After repairing, ensure that the system operates properly.

B: BASIC INSPECTION

1. VOLTAGE MEASUREMENT

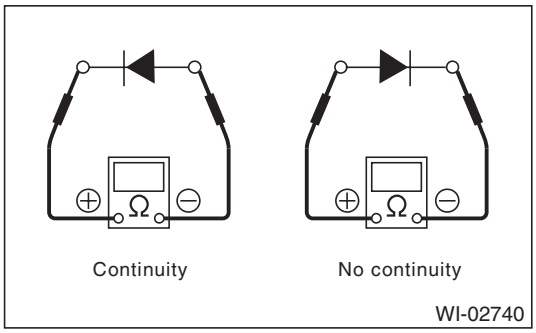
1) Using a voltmeter, connect the negative lead to a good ground point or negative battery terminal and the positive lead to the connector or component terminal.
2) Contact the positive lead of the voltmeter on connector (A). The voltmeter will indicate a voltage.
3) Shift the positive lead to connector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



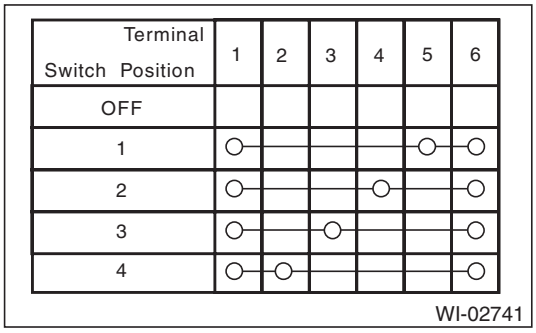
4) With the test set-up held as it is, turn the switch ON. The voltmeter will indicate a voltage and, at the same time, the light will come on.
5) The circuit is in good order. If a problem such as a light failing to illuminate occurs, use the procedures outlined above to track down the malfunction.

2. CIRCUIT CONTINUITY CHECKS

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



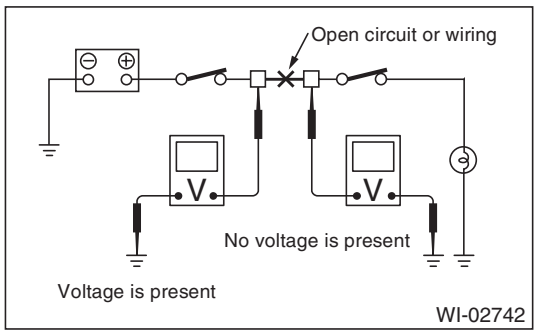
3) Symbol "❍ — ❍" indicates that continuity exists between two points or terminals. For example, when a switch position is at "3", continuity exists among terminals 1, 3 and 6, as shown in the table below.



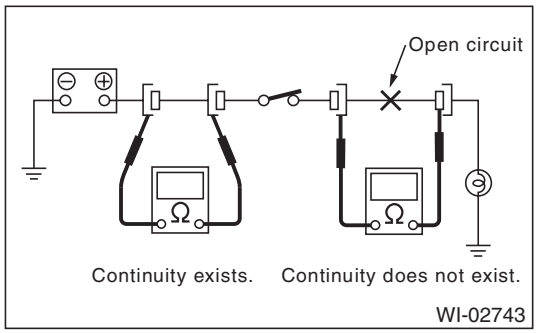
Terminal / Switch Position	1	2	3	4	5	6
OFF						
1	○				○	○
2	○			○		○
3	○		○			○
4	○	○				○

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.

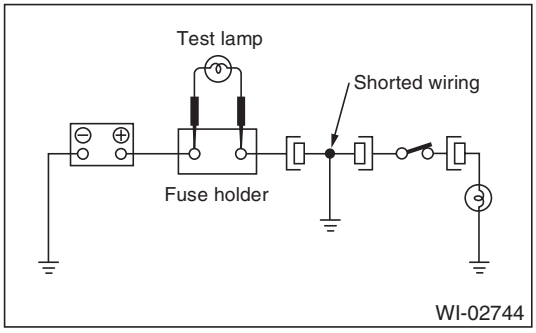


2) WITH OHMMETER:
Disconnect all connectors affected, and check continuity in the wiring between adjacent connectors. When the ohmmeter indicates “infinite”, the wiring is open.

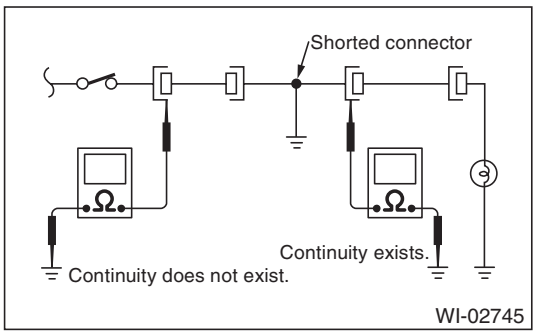


4. HOW TO DETERMINE A SHORT CIRCUIT

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.

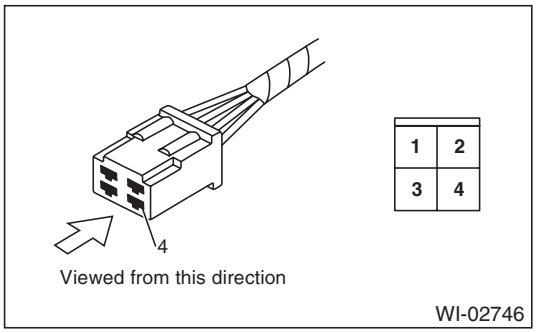


C: HOW TO READ WIRING DIAGRAMS

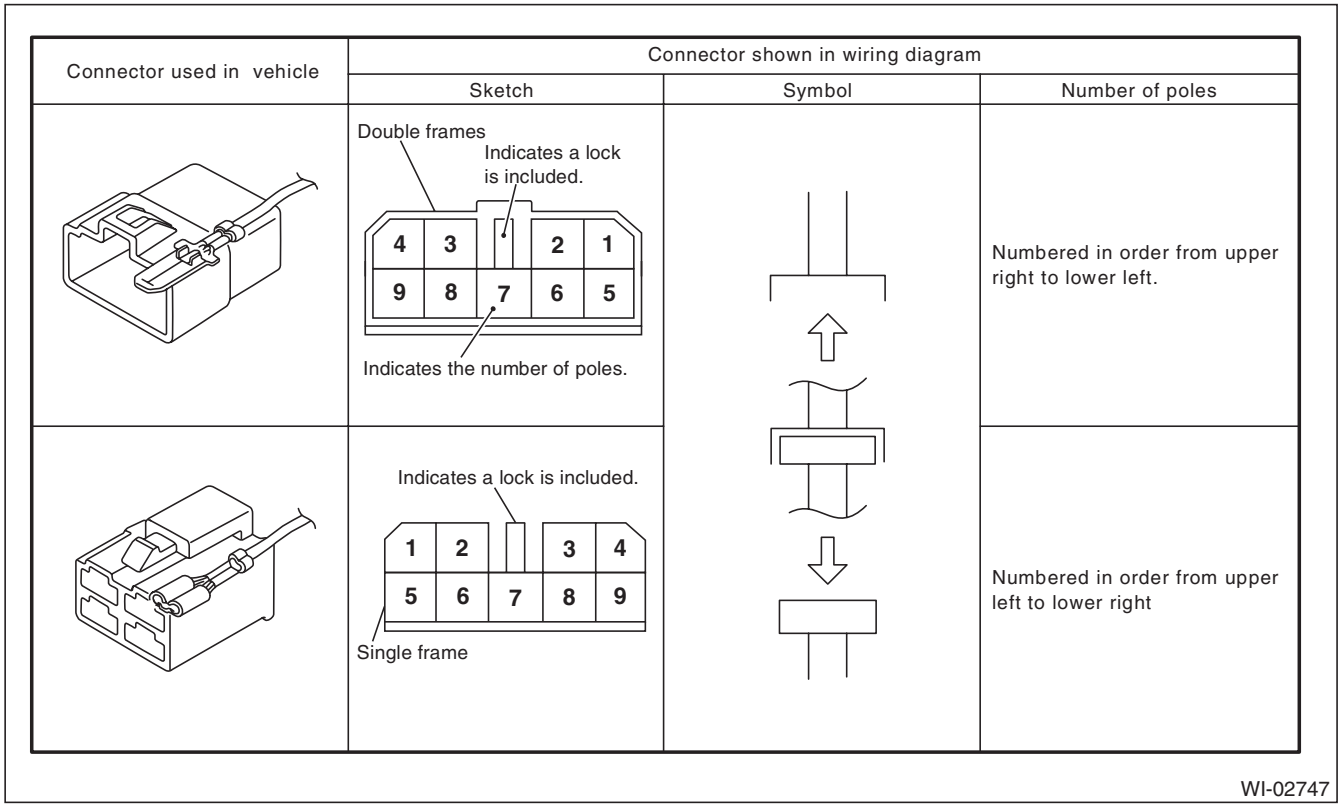
1. WIRING DIAGRAM

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:

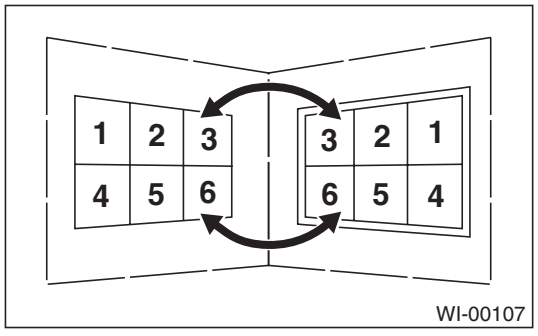
- Each connector and its terminal position are indicated by a sketch of the connector in a disconnected state which is viewed from the front.



• 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.

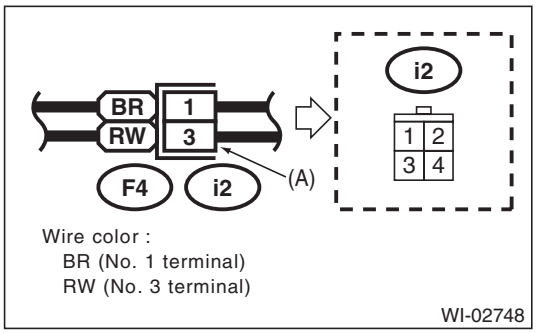


• When one set of connectors is viewed from the front side, the pole numbers of one connector are symmetrical to those of the other. When these two connectors are connected as a unit, the poles which have the same number are joined.

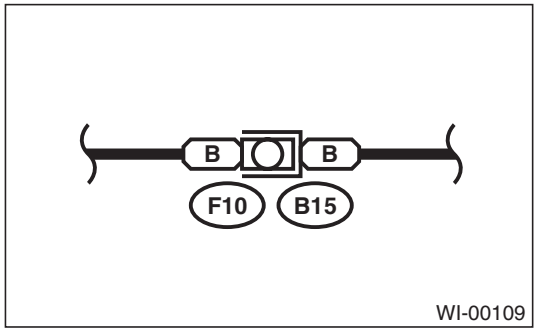


• WIRING DIAGRAM:
The connectors are numbered along with the number of poles, external colors, and mating connections in the accompanying list.
• The sketch of each connector in the wiring diagram usually shows the (A) side of the connector. The relationship between the wire color, terminal number and 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.

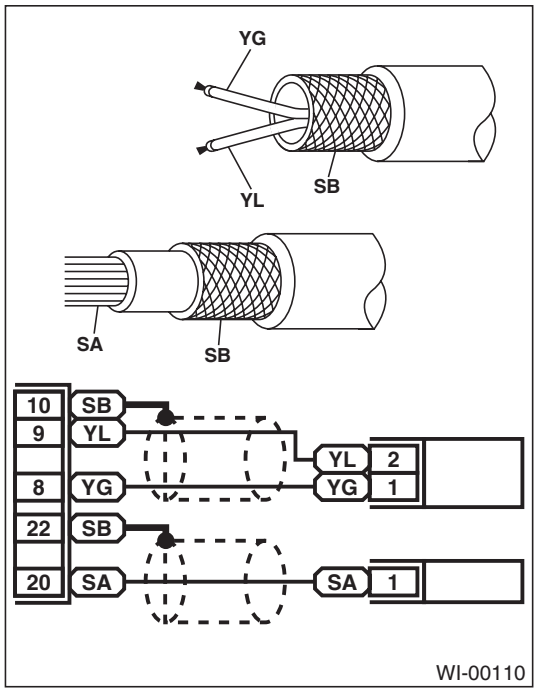


• In the wiring diagram, connectors which have no terminal number refer to one-pole types. Sketches of these connectors are omitted intentionally.

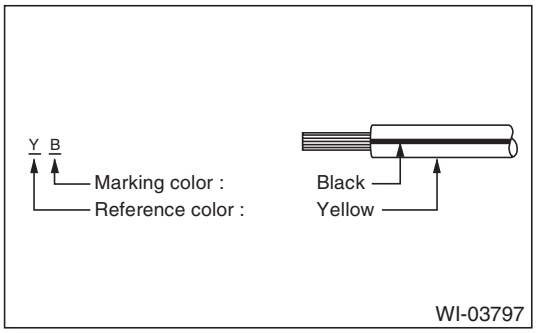


• The following color codes are used to indicate the colors of the wires.

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	Purple
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.



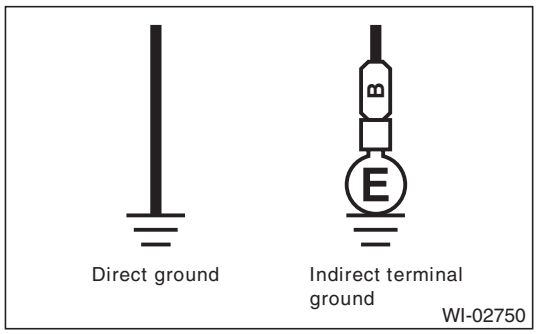
• The table lists the nominal sectional areas and allowable currents of the wires.

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.

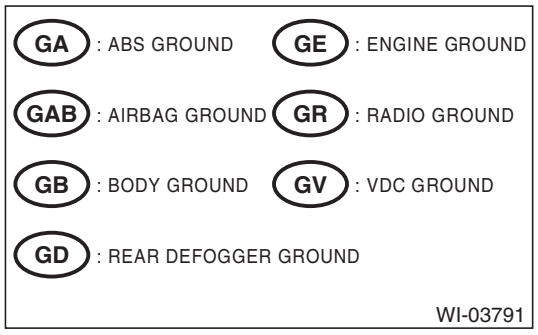
Nominal sectional area mm^2	No. of strands/ strand diameter	Outside diameter of wiring mm	Allowable current Amps/ 40°C (104°F)
0.3	7/0.26	1.8	7
0.5	7/0.32	2.2 (or 2.0)	12
0.75	30/0.18	2.6 (or 2.4)	16
0.85	11/0.32	2.4 (or 2.2)	16
1.25	16/0.32	2.7 (or 2.5)	21
2	26/0.32	3.1 (or 2.9)	28
3	41/0.32	3.8 (or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



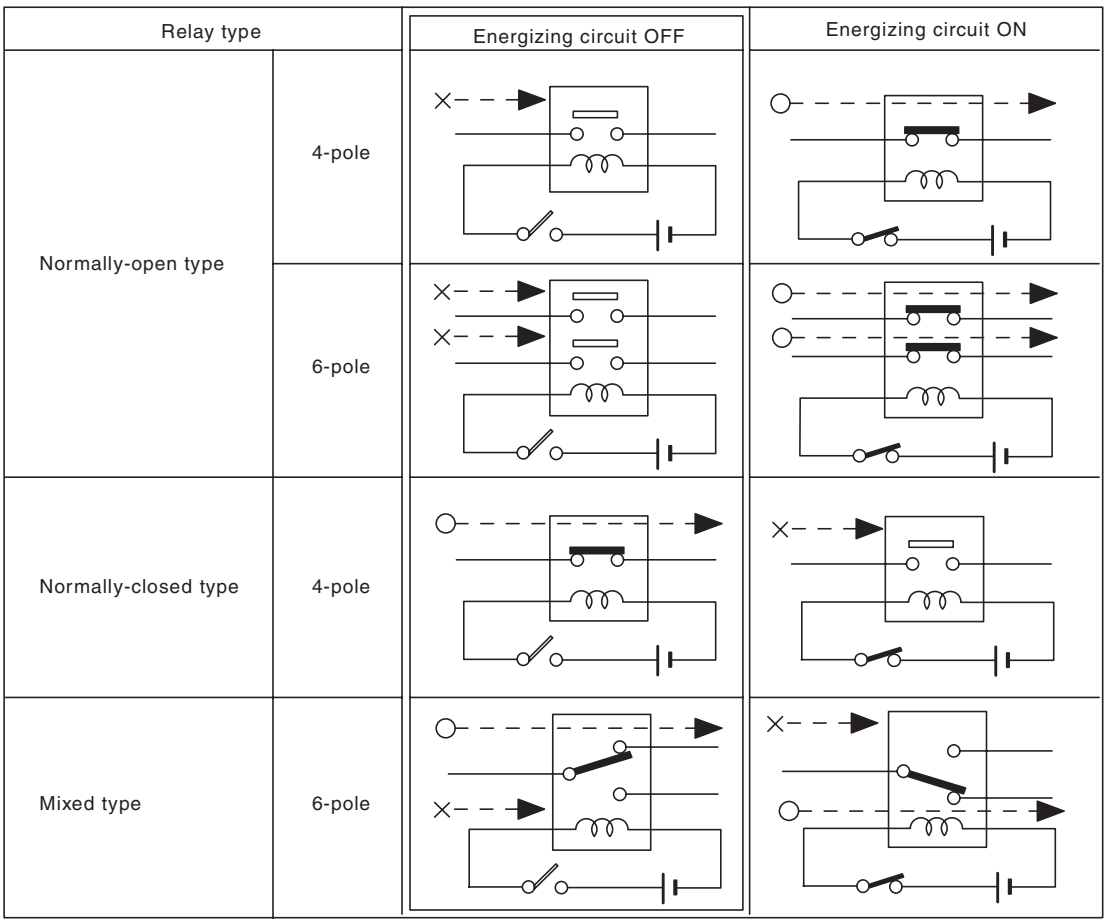
• The ground points shown in the wiring diagram refer to the following:

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



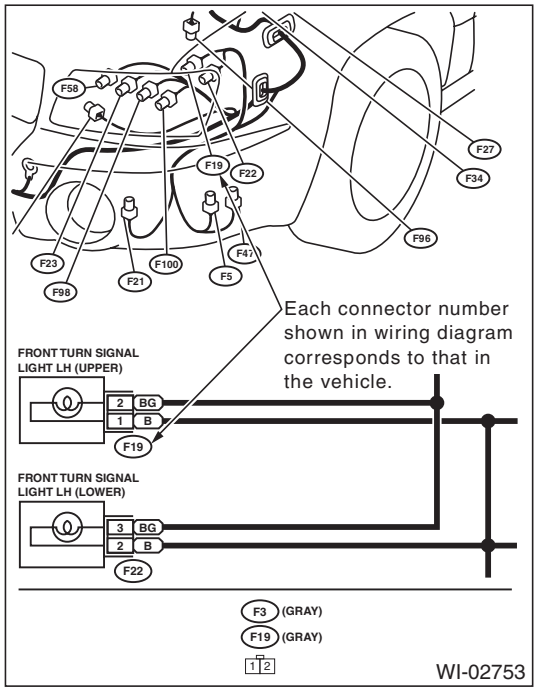
- Relays are classified as normally-open or normally-closed.

The normally-closed relay has one or more contacts. The wiring diagram shows the relay mode when the energizing circuit is OFF.



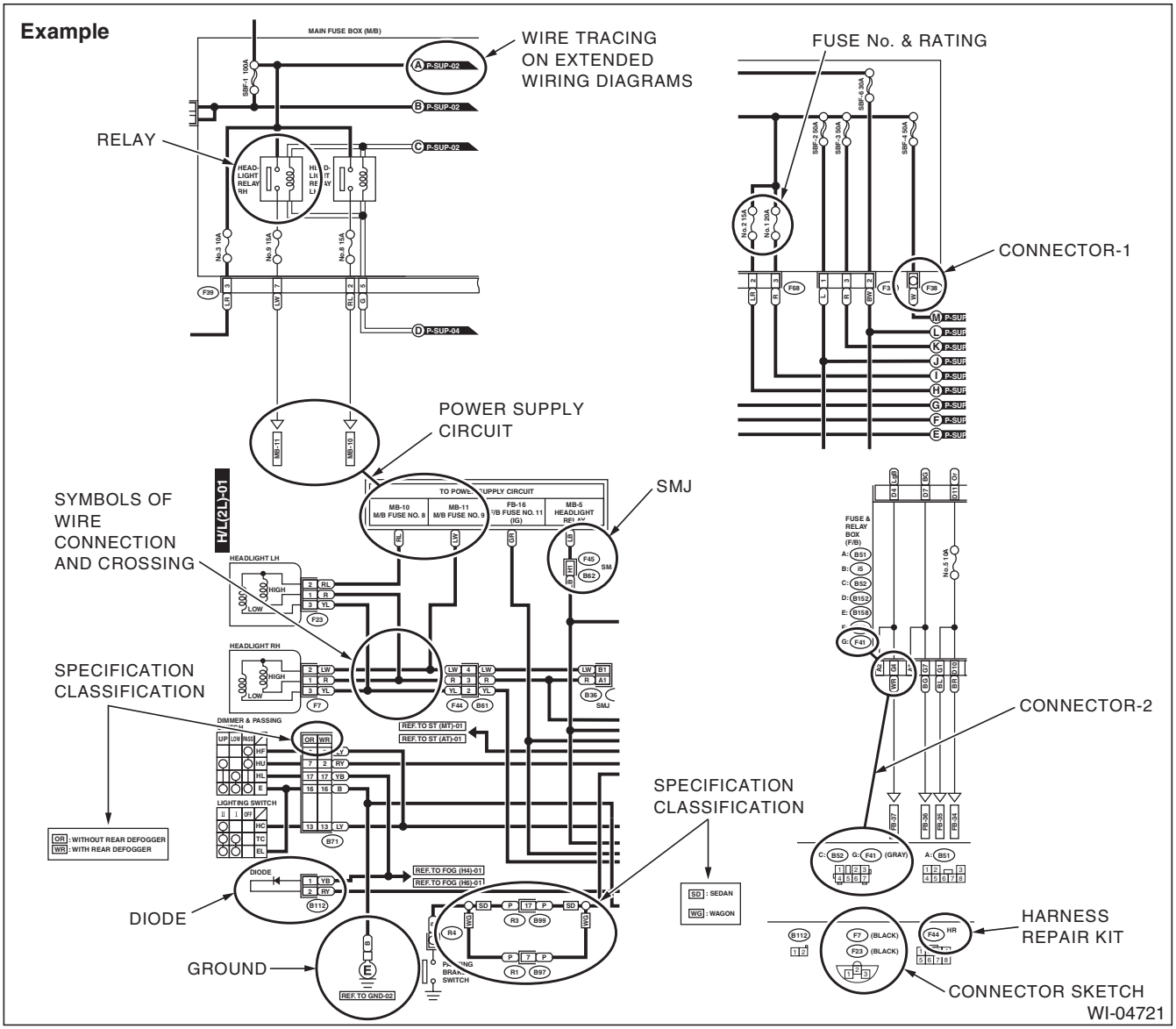
• Each connector number shown in the wiring diagram corresponds to that in the wiring harness. The location of each connector in the actual vehicle is determined by reading the first character of the connector (for example, a “F” for F8, “i” for i16, etc.) and the type of wiring harness. The first character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



1. RELAY

A symbol used to indicate a relay.

2. CONNECTOR 1

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

3. WIRING CONNECTION

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

4. FUSE No. & RATING

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

5. CONNECTOR 2

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

6. CONNECTOR SKETCH

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

7. GROUND

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

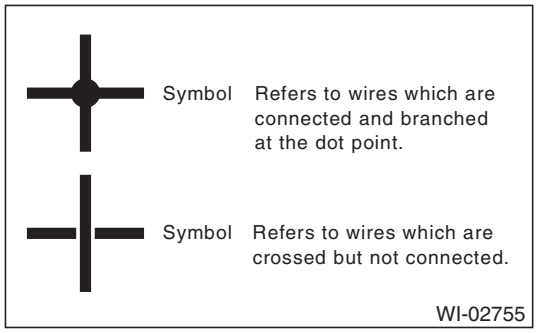
8. DIODE

A symbol is used to indicate a diode.

9. WIRE TRACING ON EXTENDED WIRING DIAGRAMS

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

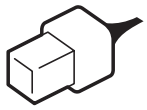
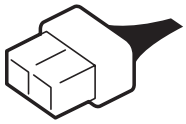
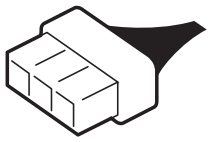
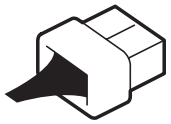
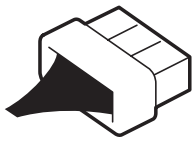
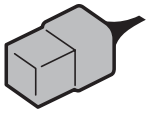
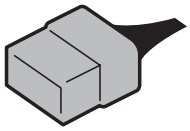
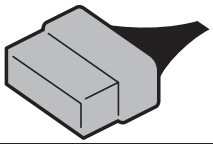
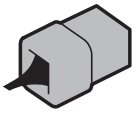
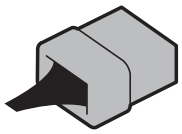
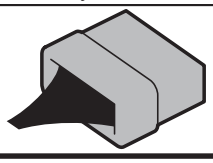
When the wiring diagram differ according to vehicle specifications, the specification difference is described by using abbreviations.

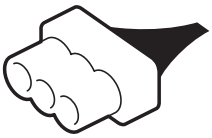
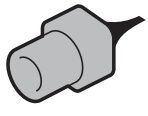
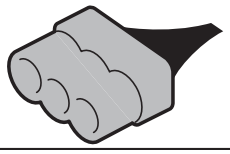
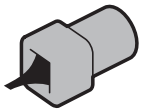
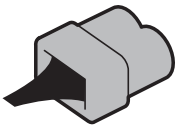
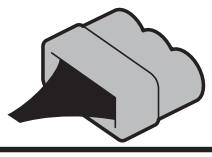
13.HARNESS REPAIR KIT

The connector adapting to Harness repair kit is shown as “HR” in the right-upper of connector number.
Refer to “Harness Repair Kit” for harness repair kit. <Ref. to WI-380, SPECIFICATION, Harness Repair Kit.>

E: CONNECTOR SYMBOL IN WIRING HARNESS

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

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

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

WI-02756

F: ABBREVIATION IN WIRING DIAGRAMS

Abbr.	Full name
ABS	Antilock Brake System
ACC	Accessory
A/C	Air conditioner
AD	Auto Down
AT	Automatic transmission
AU	Auto Up
A/B	Airbag
A/F	Air/Fuel (Air fuel ratio sensor)
ATF	Automatic transmission fluid
AWD	All Wheel Drive
B, BAT	Battery
CPC	Canister Purge Control
D	Drive Range
DN	Down
E	Ground
ELR	Emergency Locking Retractor
F/B	Fuse & Relay box
FL1.5	Fusible Link 1.5 mm^2
H/L	Headlight
I/F	Interface
IG	Ignition
Illumi.	Illumination
INT	Intermittent
LH	Left Hand
Lo	Low
M	Motor
M/B	Main fuse box
MG	Magnet
Mi	Middle
MT	Manual transmission
N	Neutral Range
OCV	Oil flow control solenoid valve
OP	Optional Parts or Open
P	Parking Range
PASS	Passing
R	Reverse Range
RH	Right Hand
SBF	Slow Blow Fuse
ST	Starter
SW	Switch
TGV	Tumble generated valve
U, UP	Up
VDC	Vehicle Dynamics Control
VVL	Variable Valve Lift
WASH	Washer

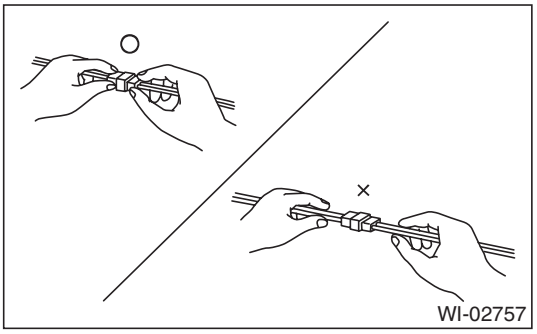
2. Working Precautions

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.

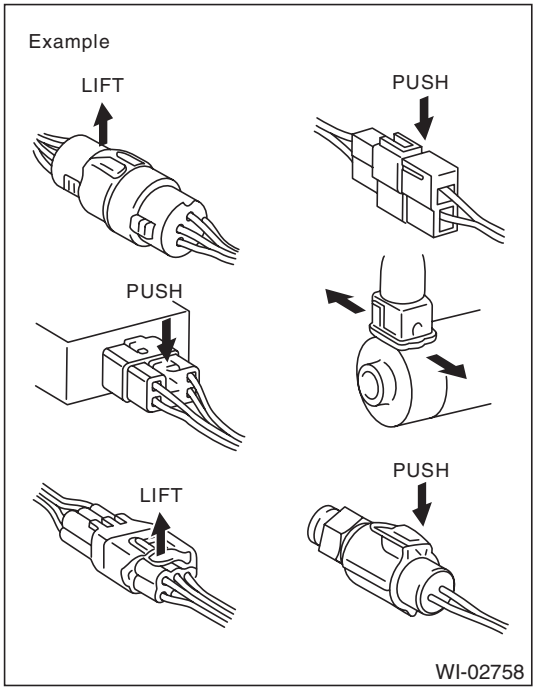
B: PRECAUTIONS IN TROUBLE DIAGNOSIS AND REPAIR OF ELECTRIC PARTS

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 slips so that the harness does not interfere with the body end parts or edges and bolts or screws.
3) When installing parts, be careful not to catch them on the wiring harness.
4) When disconnecting a connector, do not pull the wires, but pull while holding the connector body.

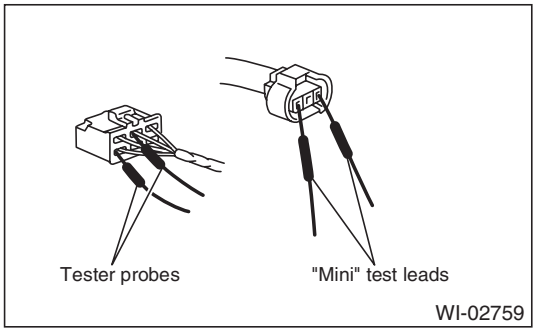


5) Some connectors are provided with a lock. One type of such a connector is disconnected by pushing the lock, and the other, by moving the lock up. In either type the lock shape must be identified before attempting to disconnect the connector.

To connect, insert the connector until it snaps and confirm that it is tightly connected.



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.

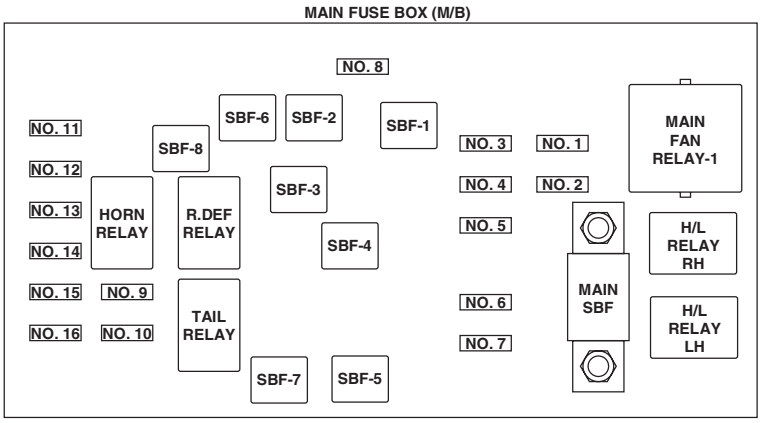
3. Power Supply Circuit

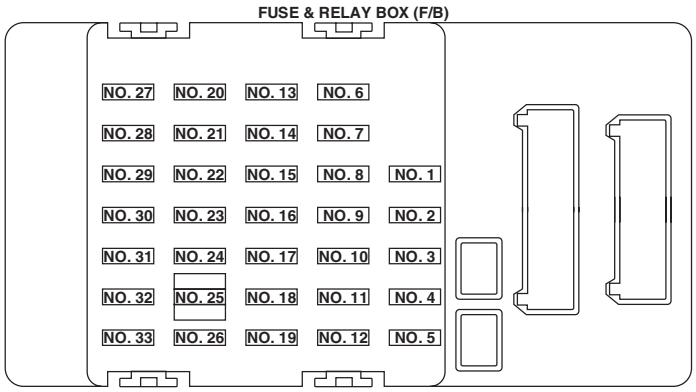
A: WIRING DIAGRAM

1. LHD MODEL

P-SUP(L)-01

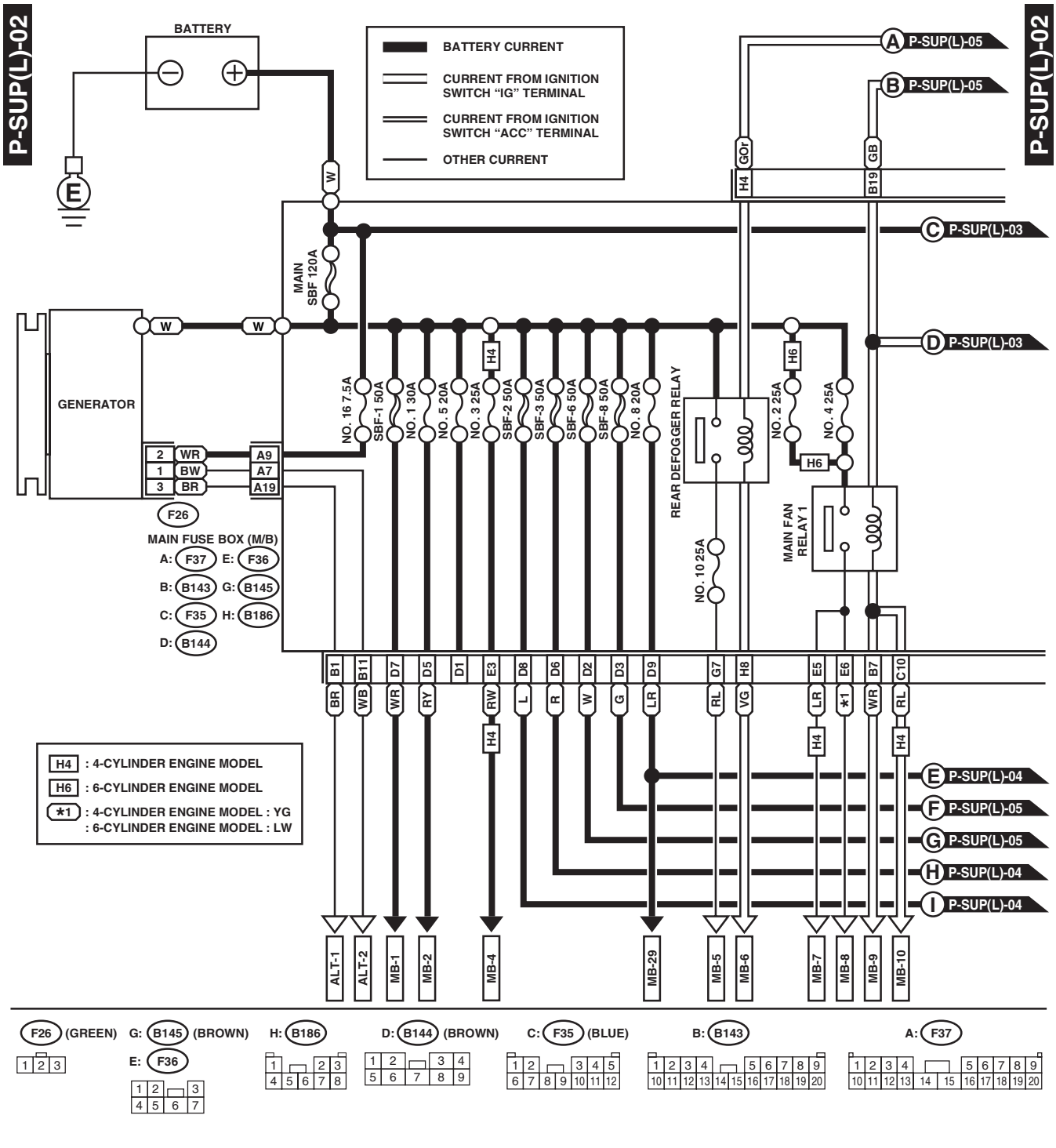
P-SUP(L)-01



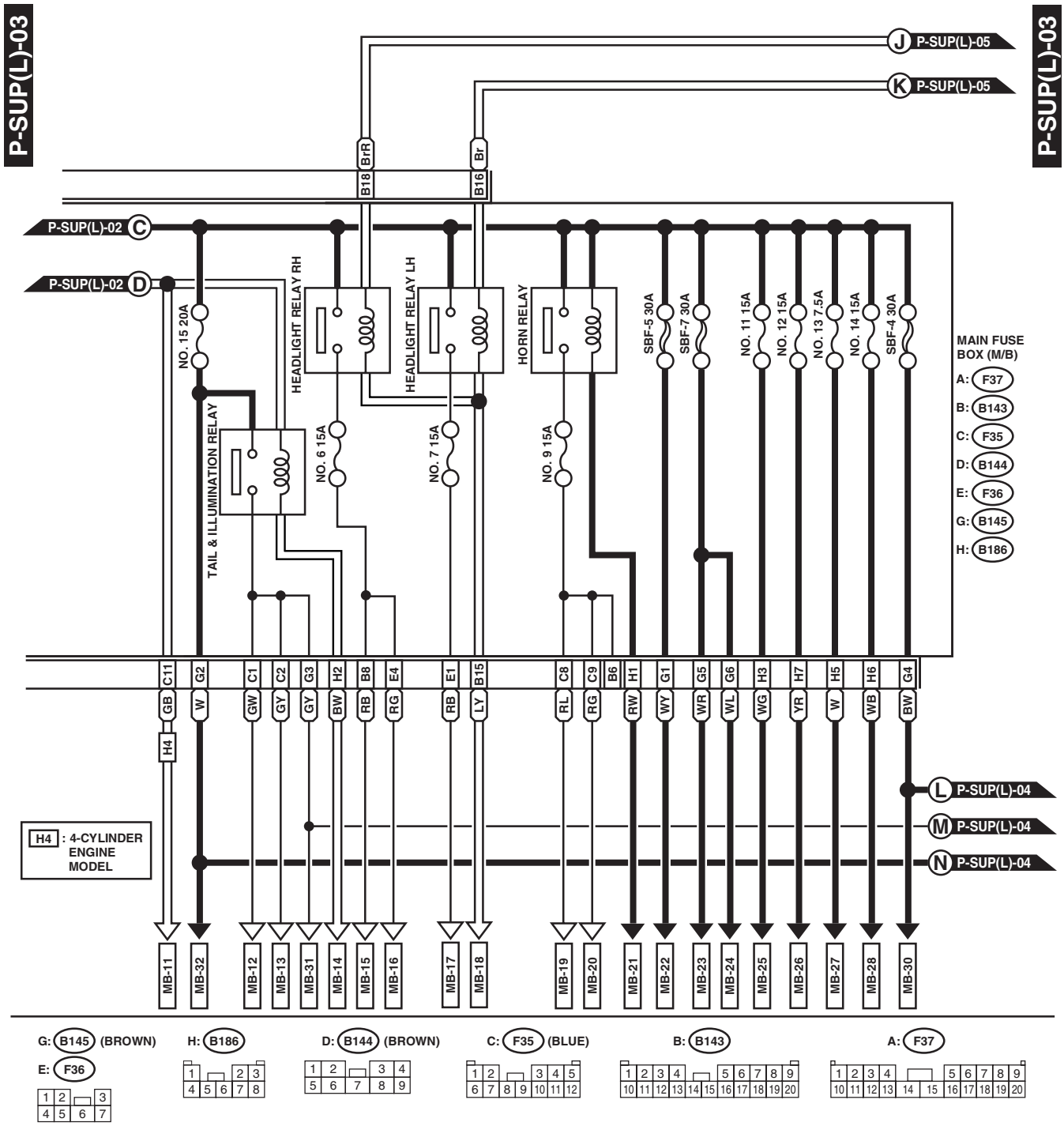


WI-06861

Power Supply Circuit

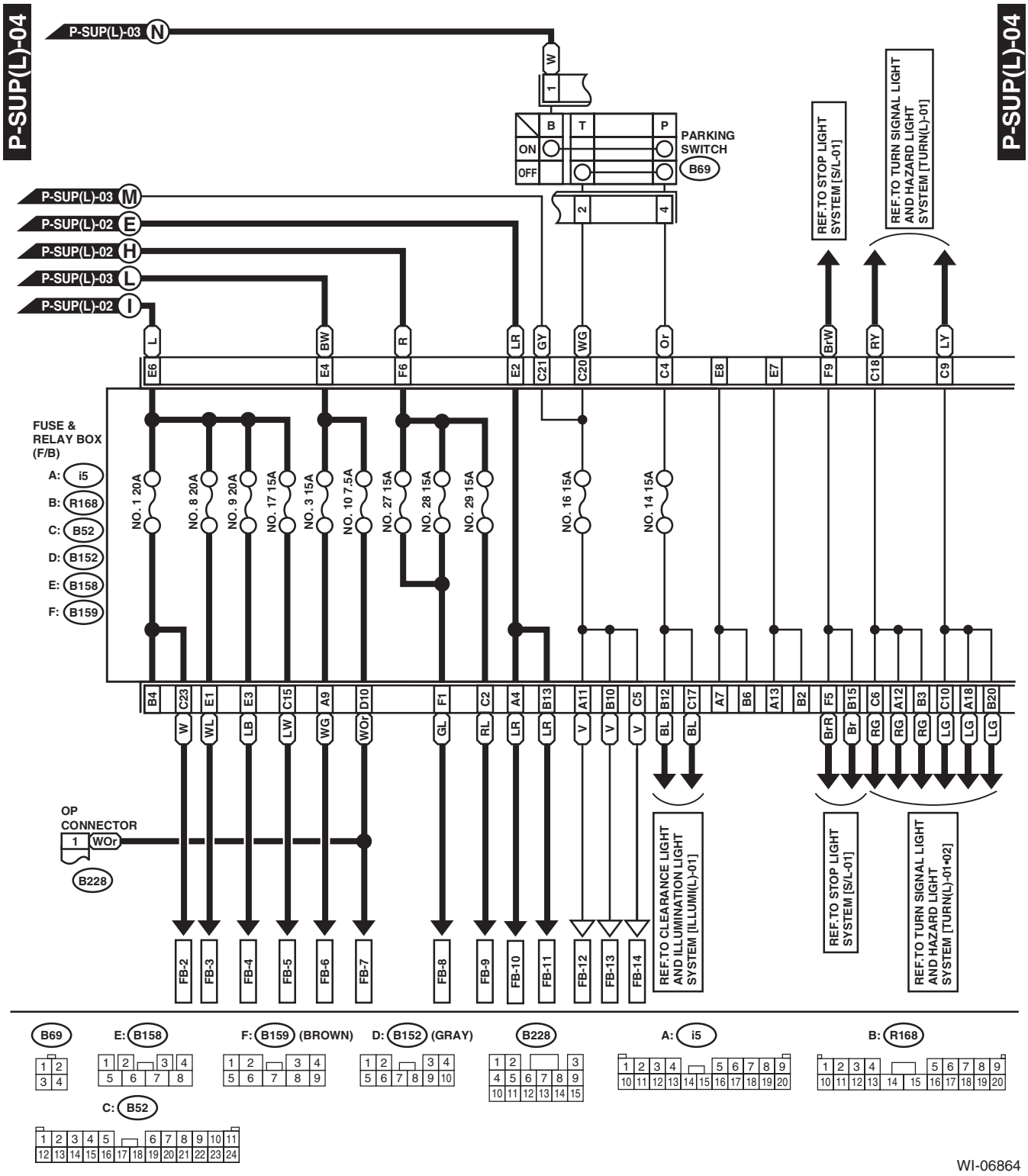


WI-06862

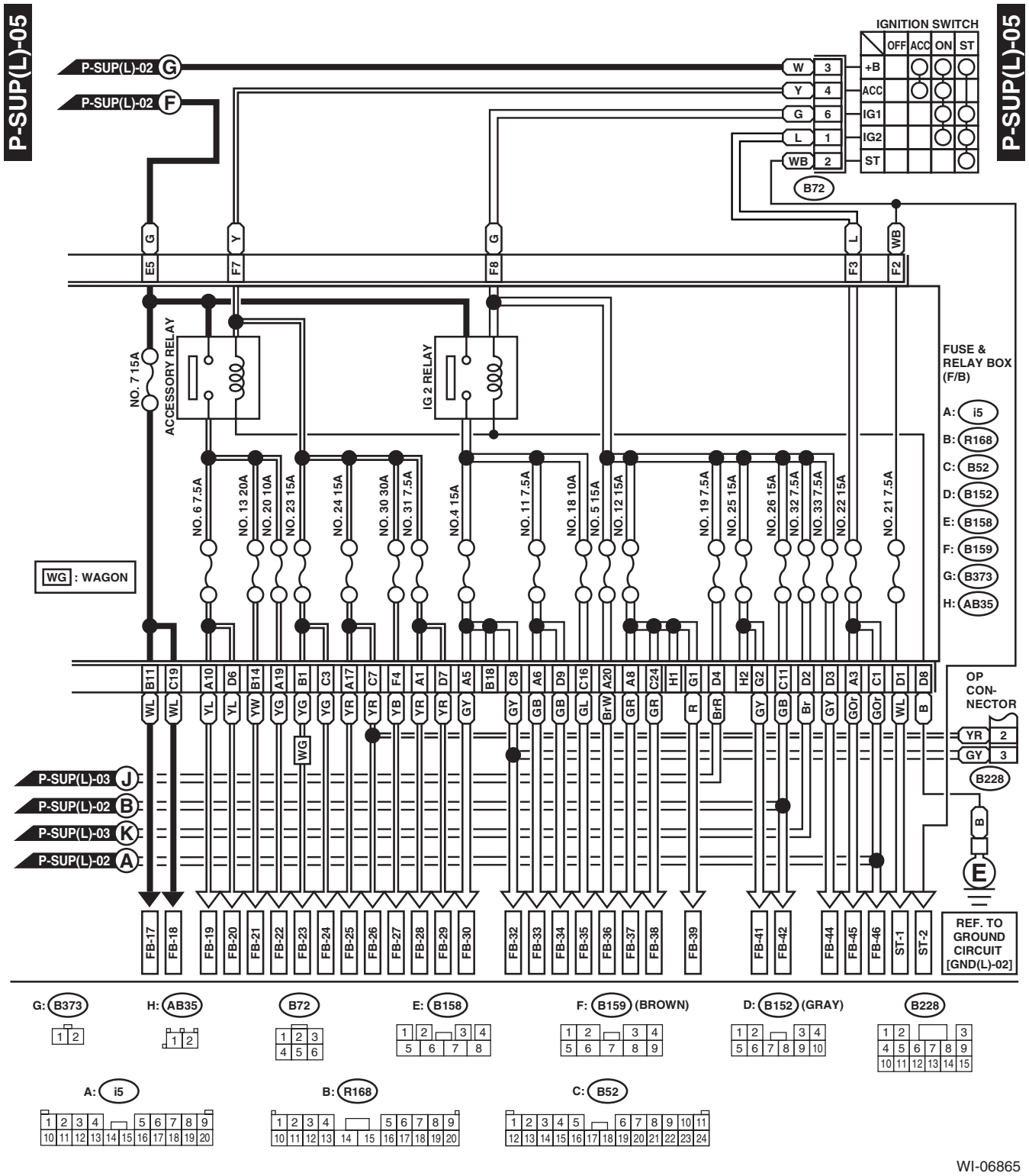

P-SUP(L)-03
P-SUP(L)-03
J P-SUP(L)-05
K P-SUP(L)-05
BrR
Br
B18
B16
P-SUP(L)-02 C
P-SUP(L)-02 D
NO. 15 20A
HEADLIGHT RELAY RH
HEADLIGHT RELAY LH
HORN RELAY
SBF-5 30A
SBF-7 30A
NO. 11 15A
NO. 12 15A
NO. 13 7.5A
NO. 14 15A
SBF-4 30A
TAIL & ILLUMINATION RELAY
NO. 6 15A
NO. 7 15A
NO. 9 15A
MAIN FUSE BOX (M/B)
A: F37
B: B143
C: F35
D: B144
E: F36
G: B145
H: B186
C11 G2 C1 C2 G3 H2 B8 E4 E1 B15 C8 C9 B6 H1 G1 G5 G6 H3 H7 H5 H6 G4
GB W GW GY GY BW RB RG RB LY RL RG RW WY WR WL WG YR W WB BW
H4
L P-SUP(L)-04
M P-SUP(L)-04
N P-SUP(L)-04
H4 : 4-CYLINDER ENGINE MODEL
MB-11 MB-32 MB-12 MB-13 MB-31 MB-14 MB-15 MB-16 MB-17 MB-18 MB-19 MB-20 MB-21 MB-22 MB-23 MB-24 MB-25 MB-26 MB-27 MB-28 MB-30
G: B145 (BROWN)
E: F36
H: B186
D: B144 (BROWN)
C: F35 (BLUE)
B: B143
A: F37

WI-06863

Power Supply Circuit



Power Supply Circuit



WI-06865

Power Supply Circuit

No.	Load
MB-1	ABS control module VDC control module
MB-2	ABS control module VDC control module
MB-4	Sub fan relay
MB-5	Mirror heater relay Rear defogger A/C control pane (Manual A/C)
MB-6	Body integrated module
MB-7	Main fan relay 2
MB-8	Main fan motor PWM controller
MB-9	ECM
MB-10	Main fan relay 2
MB-11	Main fan relay 2
MB-12	Headlight leveler LH
MB-13	Headlight leveler RH
MB-14	Lighting switch OP connector
MB-15	Combination meter
MB-16	Headlight RH
MB-17	Headlight LH
MB-18	Dimmer/Passing switch Lighting diode OP connector
MB-19	Horn (HI)
MB-20	Horn (LO)
MB-21	Body integrated module Horn switch
MB-22	Oxygen (A/F) sensor relay Main relay
MB-23	Oxygen (A/F) sensor relay Main relay Main relay 2
MB-24	Electronic throttle control relay
MB-25	Fuel pump relay
MB-26	TCM
MB-27	Data link connector ECM
MB-28	Body integrated module Key switch illumination Key warning switch Turn signal and hazard module
MB-29	Auto A/C control module Body integrated module Interior light Spot map light
MB-30	Power window circuit breaker
MB-31	F/B fuse No. 16 Headlight leveler switch
MB-32	Parking light switch
ALT-1	ECM
ALT-2	Combination meter OP connector

No.	Load
ST-1	ECM (AT) Starter relay
ST-2	Starter relay
FB-2	Rear fog light relay
FB-3	Stop light switch
FB-4	Mirror heater relay Wiper deicer relay
FB-5	Seat heater relay
FB-6	Body integrated module
FB-8	Blower fan relay
FB-9	Front fog light relay
FB-10	Audio Clock Keyless entry control module Navigation module Step light LH Step light RH TV monitor
FB-11	Luggage room light (Wagon model) Trunk room light (Sedan model)
FB-12	Clock
FB-13	Seat heater switch
FB-14	Front fog light relay Rear fog light relay OP connector
FB-17	Combination meter
FB-18	Body integrated module LAN module
FB-19	Remote control mirror switch
FB-20	Seat heater relay Vanity mirror illumination LH Vanity mirror illumination RH Minus ion producer/Rear view mirror
FB-21	Rear accessory power supply socket Seat heater switch
FB-22	Front accessory power supply socket
FB-23	Rear wiper motor
FB-24	Body integrated module Rear washer motor
FB-25	Audio Clock Navigation module TV monitor
FB-26	OP connector
FB-27	Front wiper motor Front wiper switch Front washer motor
FB-28	Body integrated module A/C control panel
FB-29	Auto A/C control module TCM
FB-30	TV monitor

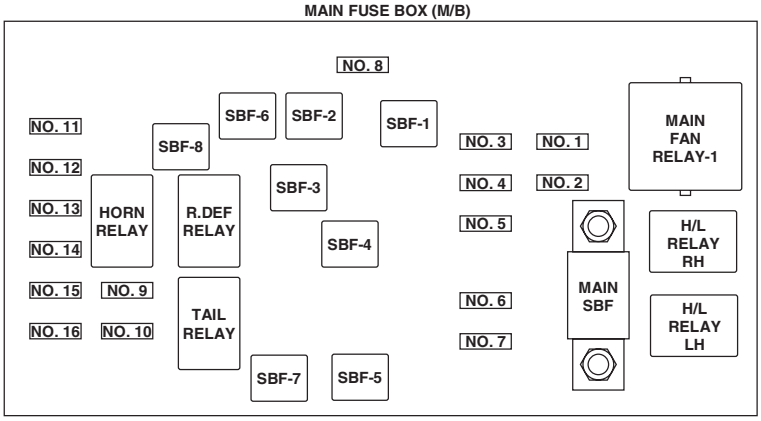
No.	Load
FB-32	Brake switch Clutch switch (MT/Cruise) ECM OP connector Line end check connector Seat belt warning light Sunroof control module Sunroof switch Wiper deicer relay
FB-33	Clock
FB-34	Turn signal and hazard module
FB-35	Back-up light relay (5-speed AT model) Back-up light switch (MT model) Inhibitor switch (4-speed AT model)
FB-36	Combination meter
FB-37	Body integrated module
FB-38	ECM Fuel pump relay Ignition coil & ignitor P-VIGN relay Rear vehicle speed sensor (4-speed AT model) TCM
FB-39	Airbag control module
FB-41	Airbag control module
FB-42	Power window relay
FB-44	ABS control module VDC control module
FB-45	A/C control panel
FB-46	A/C relay Auto A/C control module Blower fan relay FRESH/RECIRC actuator Mode actuator Pressure switch Sub fan relay Heater cock solenoid

2. RHD MODEL

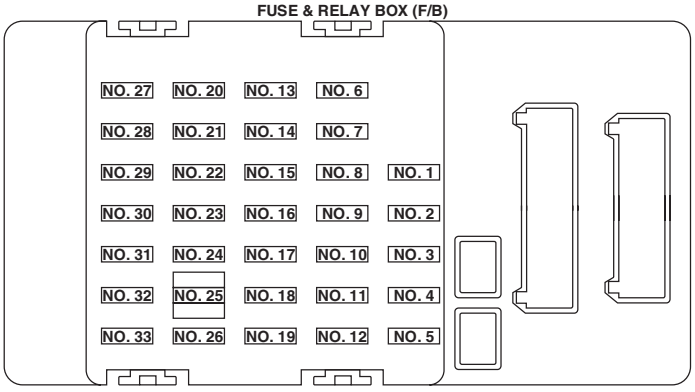
P-SUP(R)-01

P-SUP(R)-01

MAIN FUSE BOX (M/B)

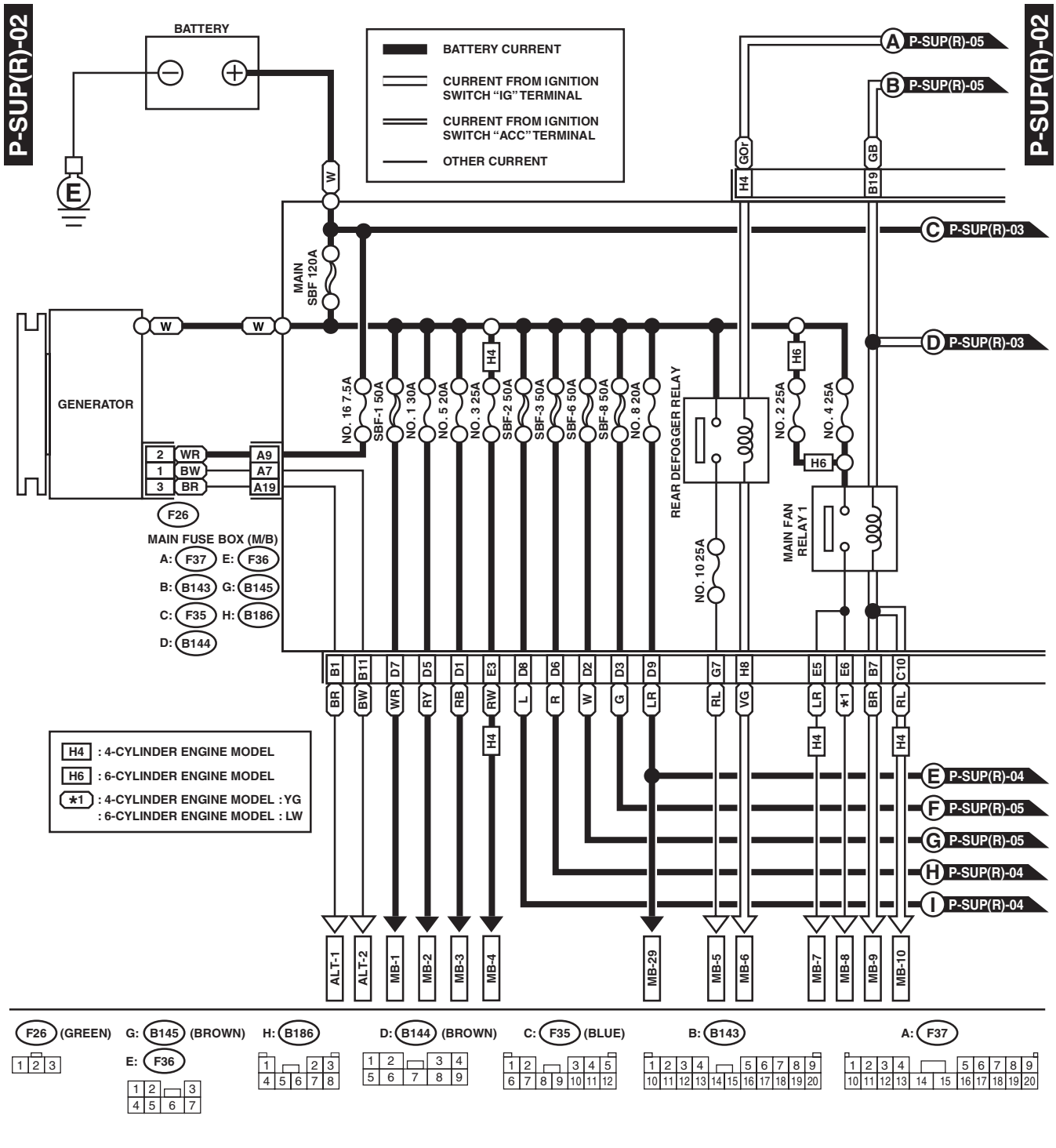


FUSE & RELAY BOX (F/B)



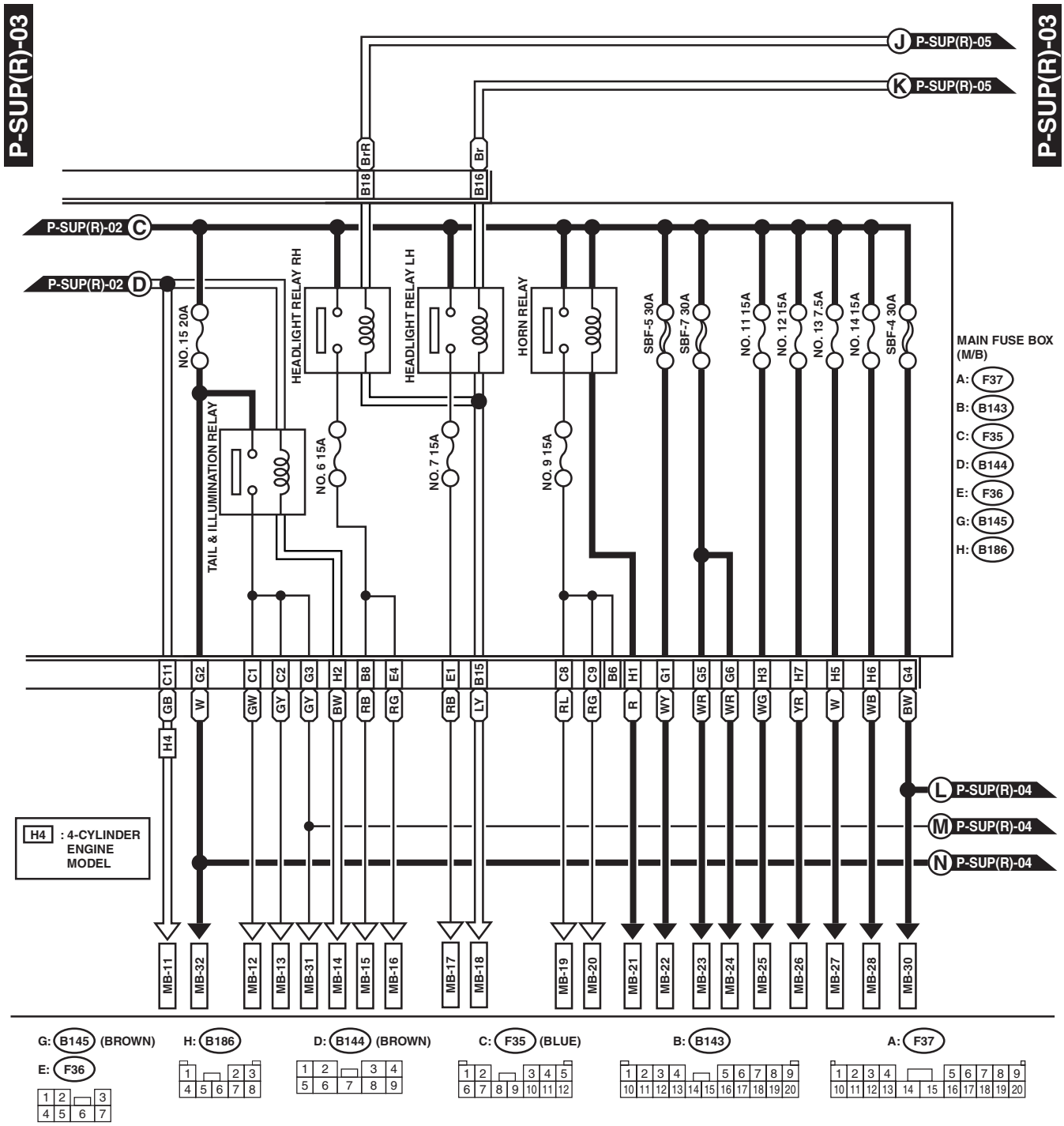
WI-06866

Power Supply Circuit

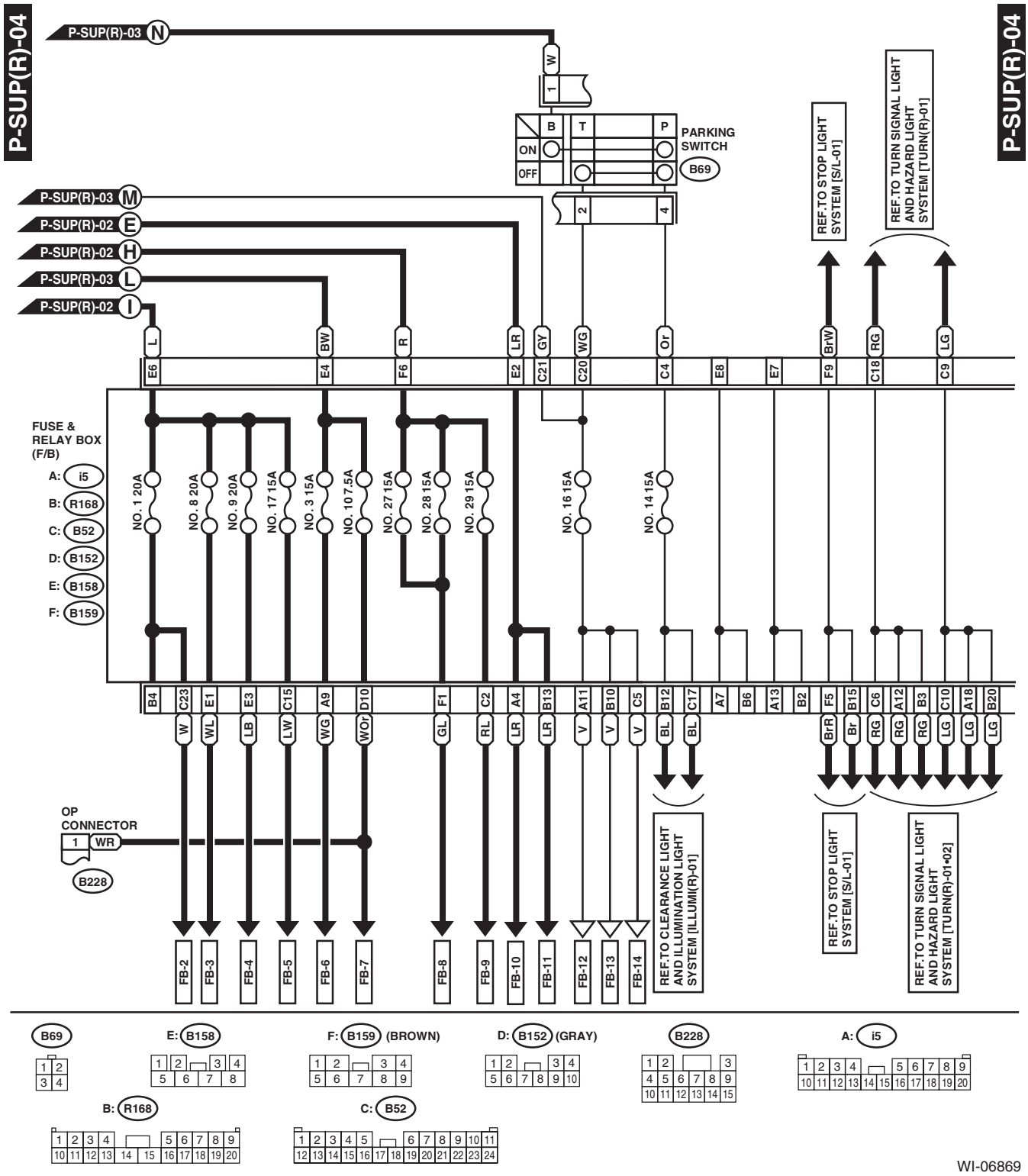


WI-06867

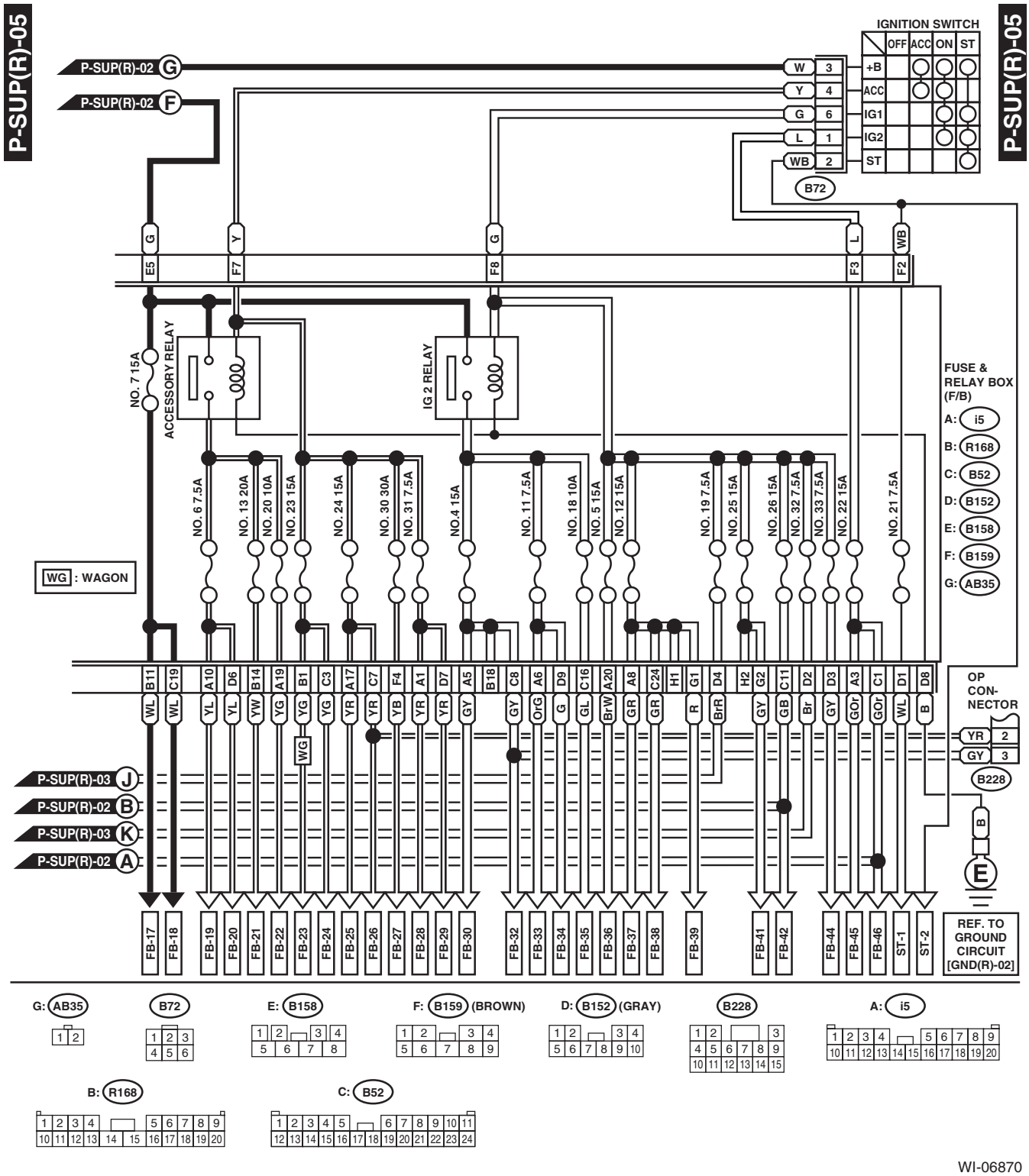
Power Supply Circuit



WI-06868


P-SUP(R)-04
P-SUP(R)-03 N
P-SUP(R)-03 M
P-SUP(R)-02 E
P-SUP(R)-02 H
P-SUP(R)-03 L
P-SUP(R)-02 I
PARKING SWITCH B69
REF.TO STOP LIGHT SYSTEM [S/L-01]
REF.TO TURN SIGNAL LIGHT AND HAZARD LIGHT SYSTEM [TURN(R)-01]
FUSE & RELAY BOX (F/B)
A: i5
B: R168
C: B52
D: B152
E: B158
F: B159
NO. 1 20A
NO. 8 20A
NO. 9 20A
NO. 17 15A
NO. 3 15A
NO. 10 7.5A
NO. 27 15A
NO. 28 15A
NO. 29 15A
NO. 16 15A
NO. 14 15A
OP CONNECTOR
B228
FB-2
FB-3
FB-4
FB-5
FB-6
FB-7
FB-8
FB-9
FB-10
FB-11
FB-12
FB-13
FB-14
REF.TO CLEARANCE LIGHT AND ILLUMINATION LIGHT SYSTEM [ILLUMI(R)-01]
REF.TO STOP LIGHT SYSTEM [S/L-01]
REF.TO TURN SIGNAL LIGHT AND HAZARD LIGHT SYSTEM [TURN(R)-01+02]
B69
E: B158
F: B159 (BROWN)
D: B152 (GRAY)
B228
A: i5
B: R168
C: B52
WI-06869

Power Supply Circuit



WI-06870

No.	Load
MB-1	ABS control module VDC control module
MB-2	ABS control module VDC control module
MB-3	Audio amplifier (Model with McIntosh)
MB-4	Sub fan relay
MB-5	Mirror heater relay Rear defogger A/C control panel (Manual A/C)
MB-6	Body integrated module
MB-7	Main fan relay 2
MB-8	Main fan motor PWM controller
MB-9	ECM
MB-10	Main fan relay 2
MB-11	Main fan relay 2
MB-12	Headlight leveler LH
MB-13	Headlight leveler RH
MB-14	Lighting switch OP connector
MB-15	Combination meter
MB-16	Headlight RH
MB-17	Headlight LH
MB-18	Dimmer/passing switch Lighting diode OP connector
MB-19	Horn (HI)
MB-20	Horn (LO)
MB-21	Body integrated module Horn switch
MB-22	Oxygen (A/F) sensor relay Main relay
MB-23	Oxygen (A/F) sensor relay Main relay Main relay 2
MB-24	Electronic throttle control relay
MB-25	Fuel pump relay
MB-26	TCM
MB-27	Data link connector ECM
MB-28	Alarm control module Body integrated module Key switch illumination Key warning switch Turn signal and hazard module
MB-29	Alarm control module Auto A/C control module Body integrated module Interior light Spot map light
MB-30	Power window circuit breaker
MB-31	F/B fuse No. 16 Headlight leveler switch
MB-32	Parking light switch
ALT-1	ECM

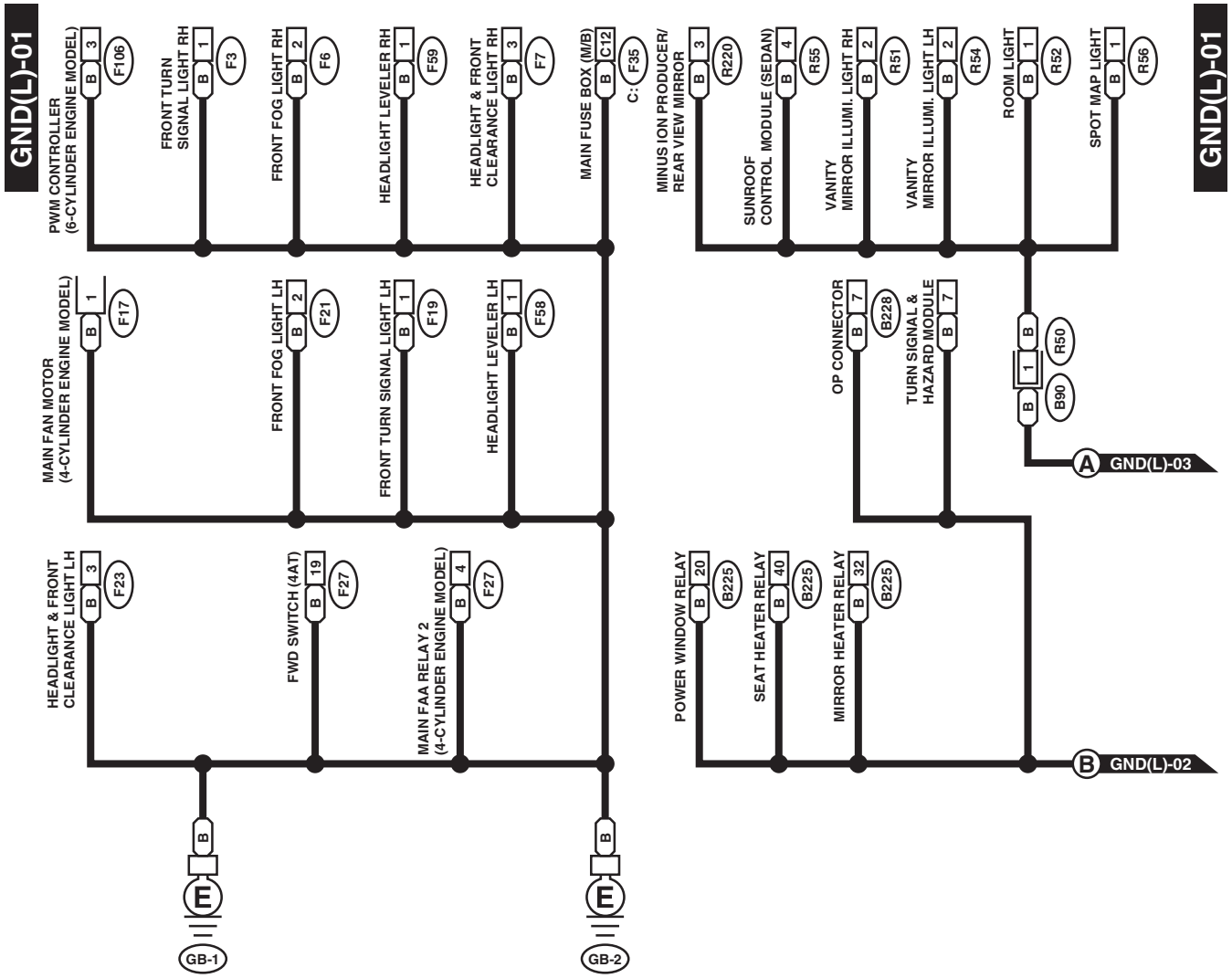
No.	Load
ALT-2	Combination meter OP connector
ST-1	ECM (AT) Starter relay
ST-2	Starter relay
FB-2	Rear fog light relay Security siren
FB-3	Stop light switch
FB-4	Mirror heater relay Wiper deicer relay
FB-5	Seat heater relay
FB-6	Body integrated module
FB-8	Blower fan relay
FB-9	Front fog light relay
FB-10	Audio Clock Keyless entry control module Navigation module Step light LH Step light RH TV monitor
FB-11	Luggage room light (Wagon model) Trunk room light (Sedan model)
FB-12	Clock
FB-13	Seat heater switch
FB-14	Front fog light relay Rear fog light relay OP connector
FB-17	Combination meter
FB-18	Body integrated module LAN module
FB-19	Remote control mirror switch
FB-20	Seat heater relay Vanity mirror illumination LH Vanity mirror illumination RH Minus ion producer/Rear view mirror
FB-21	Rear accessory power supply socket Seat heater switch
FB-22	Front accessory power supply socket
FB-23	Rear wiper motor
FB-24	Body integrated module Rear washer motor
FB-25	Audio Clock Navigation module TV monitor
FB-26	OP connector
FB-27	Front wiper motor Front wiper switch Front washer motor
FB-28	Body integrated module A/C control panel
FB-29	Auto A/C control module TCM
FB-30	TV monitor

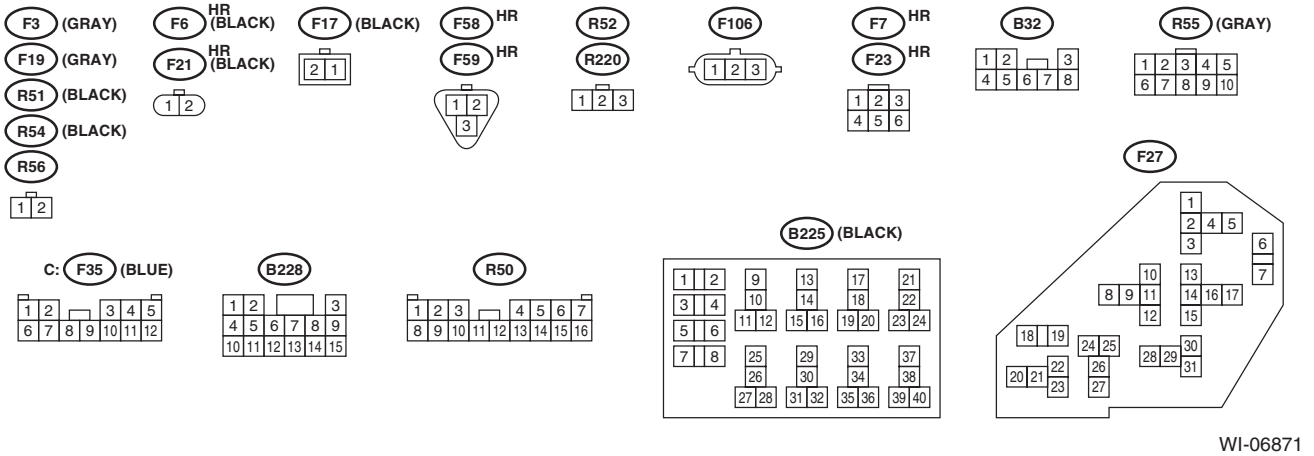
No.	Load
FB-32	Alarm control module Brake switch Clutch switch (MT/Cruise) ECM OP connector Line end check connector Seat belt warning light Sunroof control module Sunroof switch Wiper deicer relay
FB-33	Clock
FB-34	Turn signal and hazard module
FB-35	Back-up light relay (5-speed AT model) Back-up light switch (MT model) Inhibitor switch (4-speed AT model)
FB-36	Combination meter
FB-37	Body integrated module
FB-38	ECM Fuel pump relay Ignition coil No. 1 Ignition coil No. 2 Ignition coil No. 3 Ignition coil No. 4 Ignition coil & ignitor P-VIGN relay Rear vehicle speed sensor (4-speed AT model) TCM
FB-39	Airbag control module
FB-41	Airbag control module
FB-42	Power window relay
FB-44	ABS control module VDC control module
FB-45	A/C control panel
FB-46	A/C relay Auto A/C control module Blower fan relay FRESH/RECIRC actuator Mode actuator Pressure switch Sub fan relay Heater cock solenoid

4. Ground Circuit

A: WIRING DIAGRAM

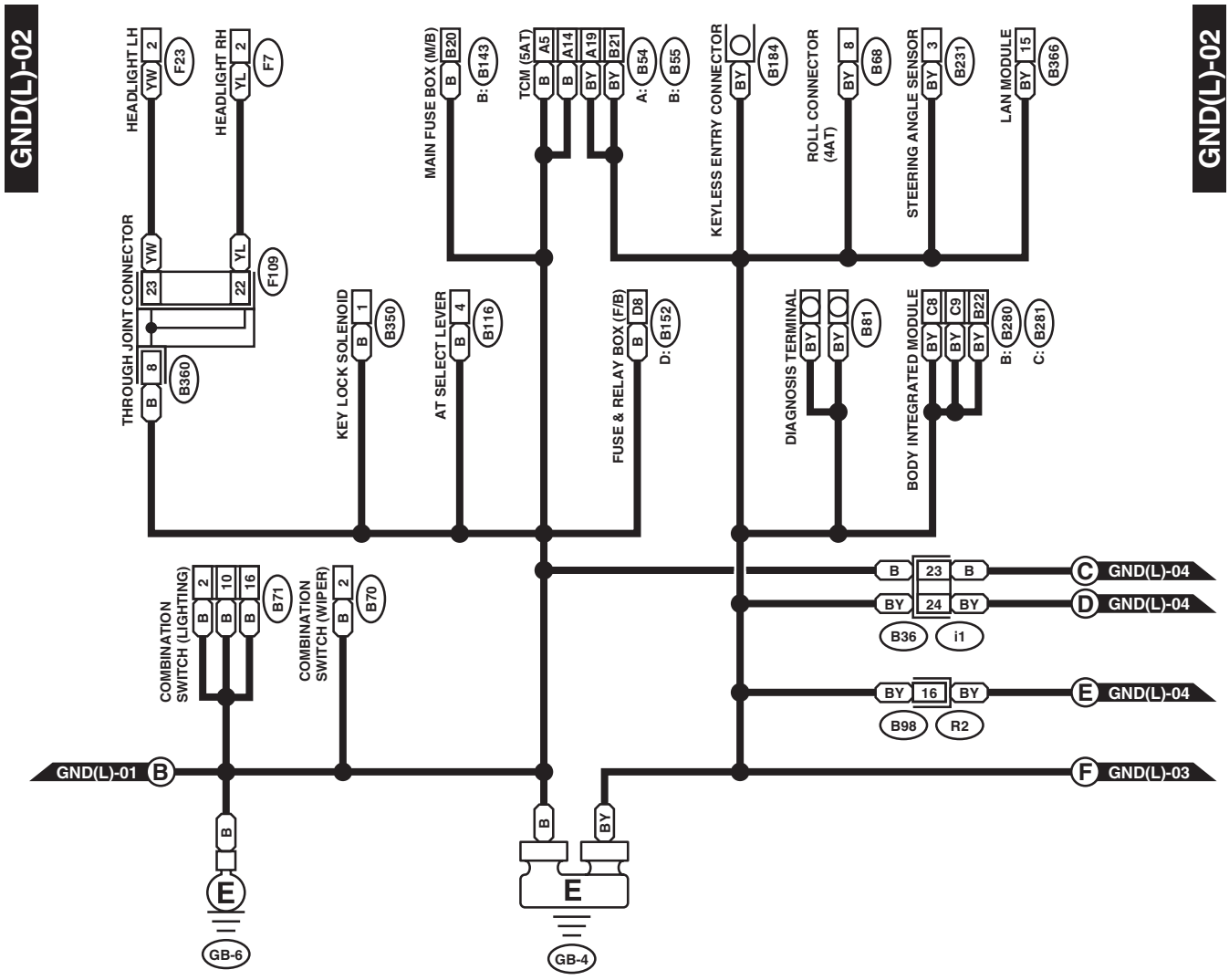
1. LHD CHASSIS GROUND

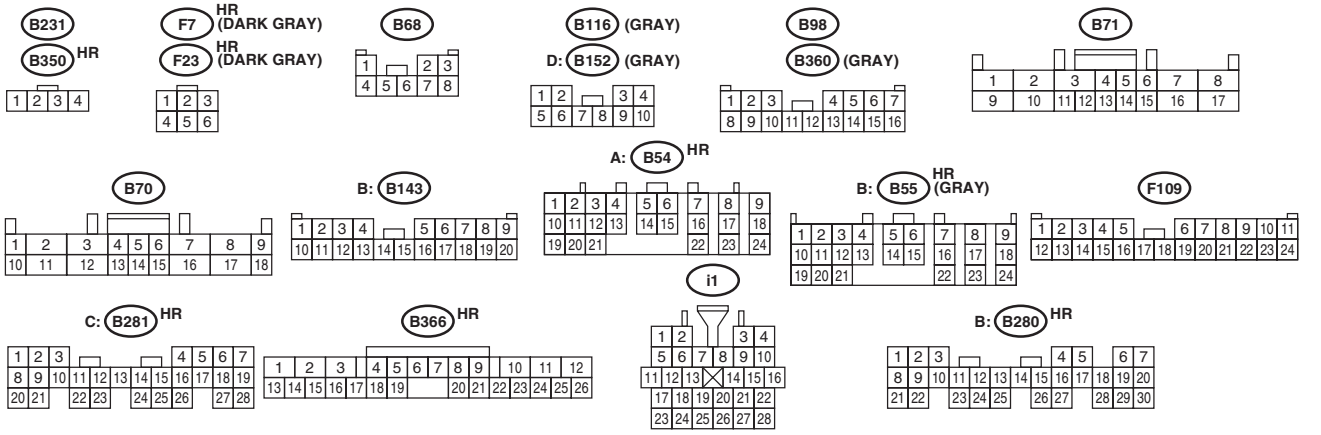




WI-06871

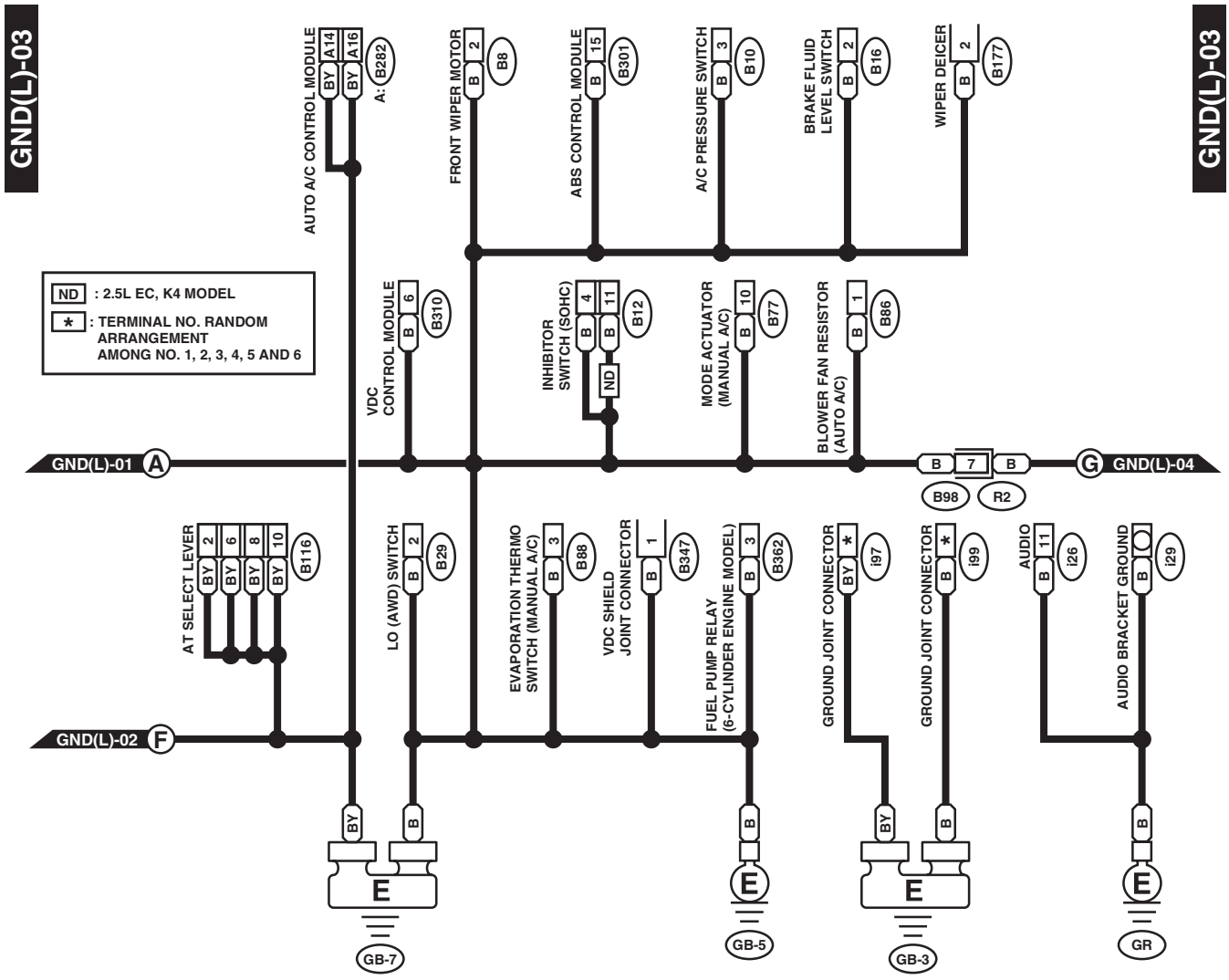
Ground Circuit





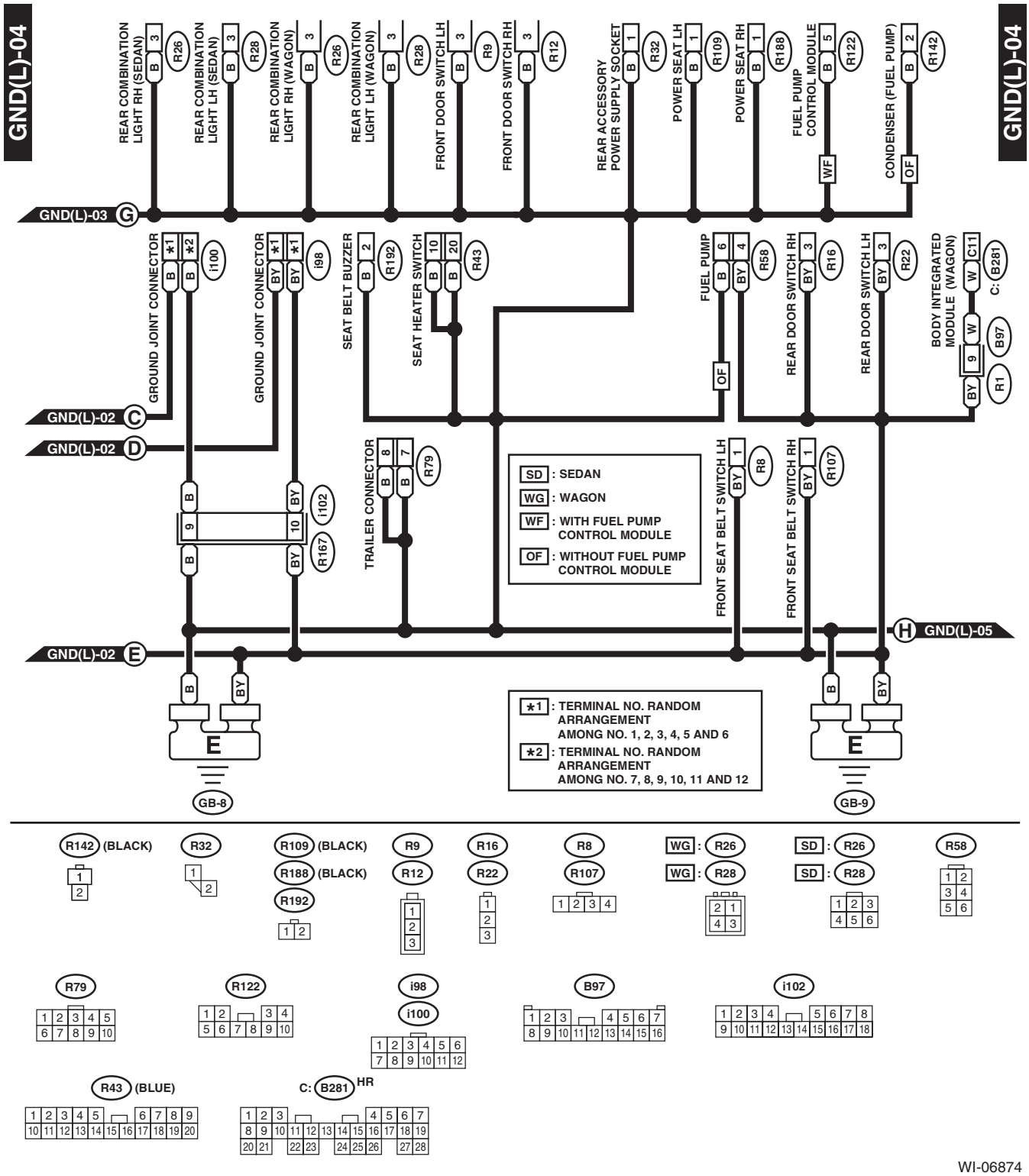
WI-06872

Ground Circuit

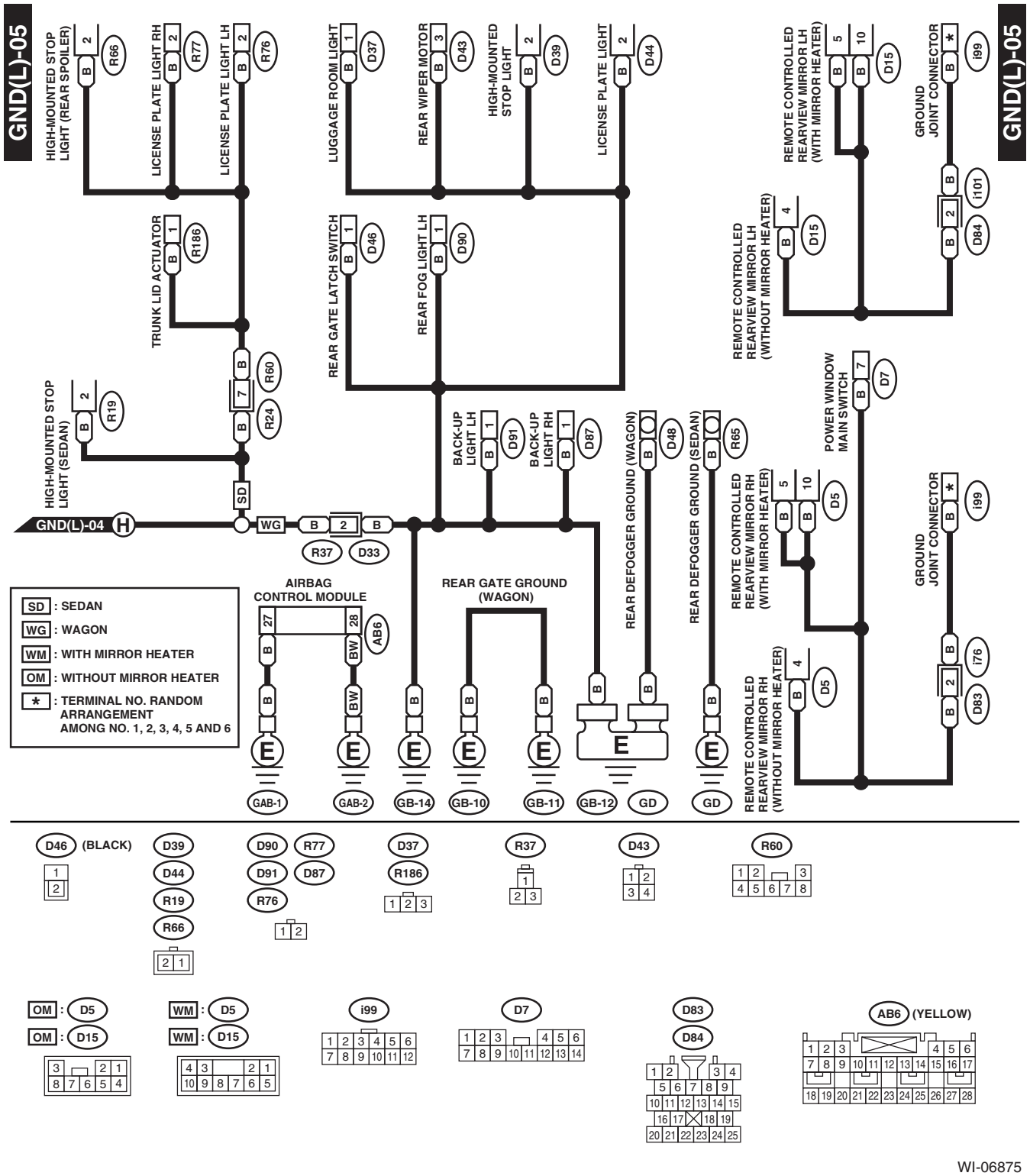


WI-06873

Ground Circuit



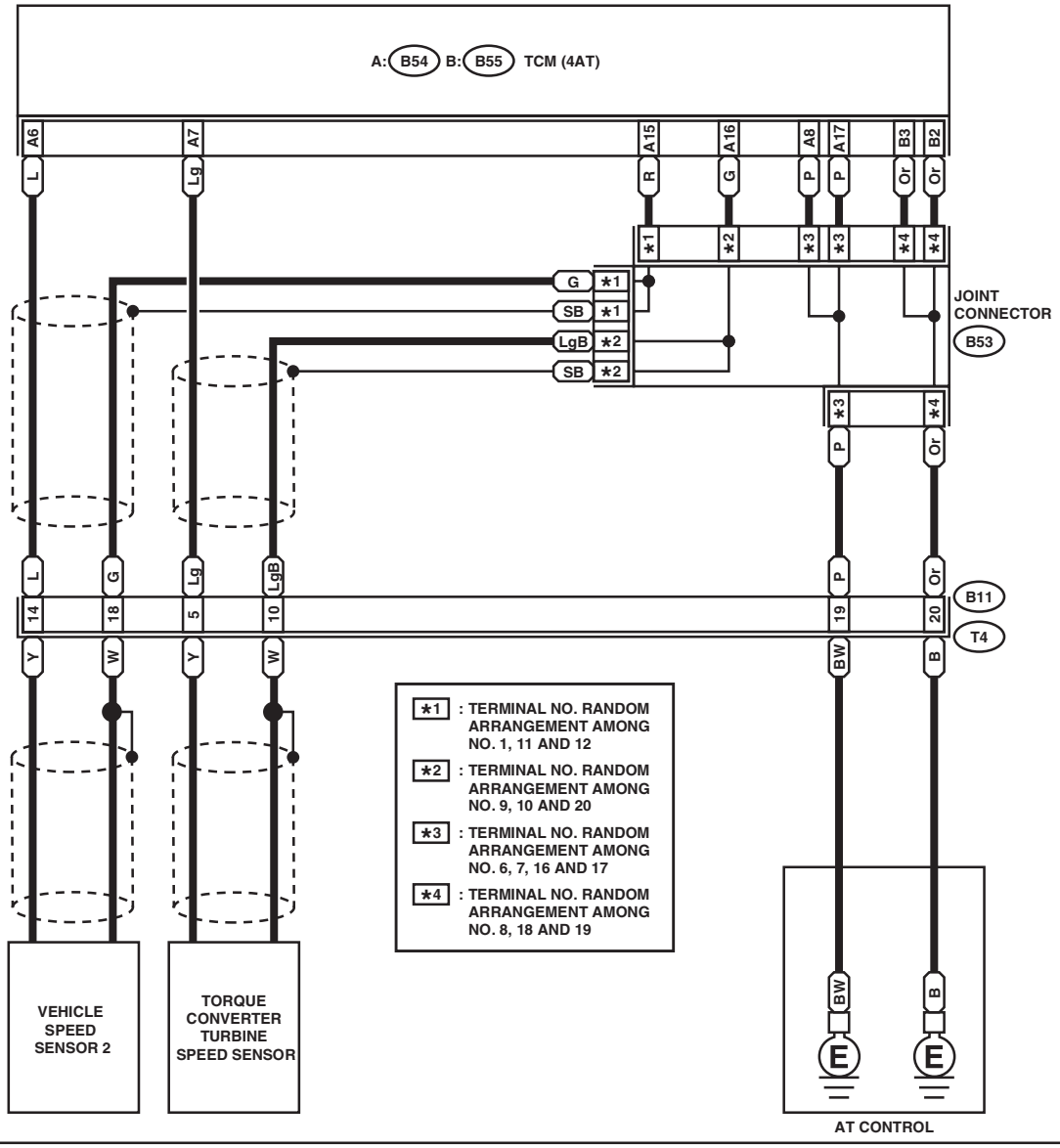
WI-06874

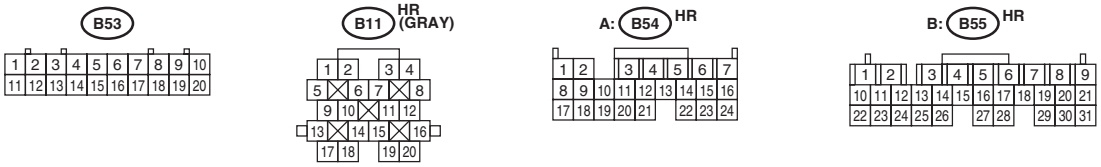

GND(L)-05
HIGH-MOUNTED STOP LIGHT (REAR SPOILER)
LICENSE PLATE LIGHT RH
LICENSE PLATE LIGHT LH
LUGGAGE ROOM LIGHT
REAR WIPER MOTOR
HIGH-MOUNTED STOP LIGHT
LICENSE PLATE LIGHT
REMOTE CONTROLLED REARVIEW MIRROR LH (WITH MIRROR HEATER)
GROUND JOINT CONNECTOR
TRUNK LID ACTUATOR
REAR GATE LATCH SWITCH
REAR FOG LIGHT LH
REMOTE CONTROLLED REARVIEW MIRROR LH (WITHOUT MIRROR HEATER)
HIGH-MOUNTED STOP LIGHT (SEDAN)
BACK-UP LIGHT LH
BACK-UP LIGHT RH
REAR DEFOGGER GROUND (WAGON)
REAR DEFOGGER GROUND (SEDAN)
POWER WINDOW MAIN SWITCH
REMOTE CONTROLLED REARVIEW MIRROR RH (WITH MIRROR HEATER)
REMOTE CONTROLLED REARVIEW MIRROR RH (WITHOUT MIRROR HEATER)
GND(L)-04
AIRBAG CONTROL MODULE
REAR GATE GROUND (WAGON)
SD : SEDAN
WG : WAGON
WM : WITH MIRROR HEATER
OM : WITHOUT MIRROR HEATER
* : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 1, 2, 3, 4, 5 AND 6
GAB-1
GAB-2
GB-14
GB-10
GB-11
GB-12
GD
GD
D46 (BLACK)
D39
D44
R19
R66
D90
D91
R76
R77
D87
D37
R186
R37
D43
R60
OM : D5
OM : D15
WM : D5
WM : D15
i99
D7
D83
D84
AB6 (YELLOW)

WI-06875

2. LHD AT TRANSMISSION GROUND (4AT MODEL)

GND(L)-06

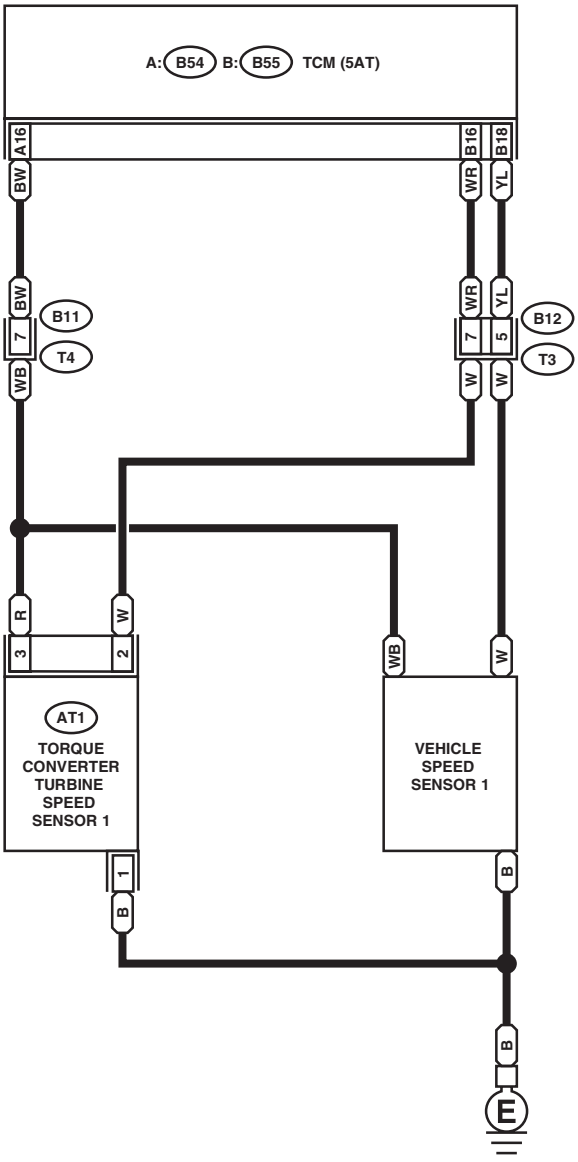


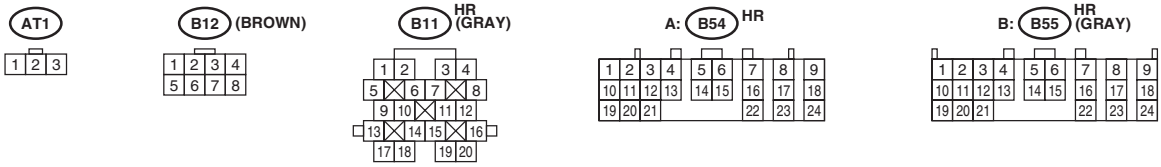


WI-06876

3. LHD AT TRANSMISSION GROUND (5AT MODEL)

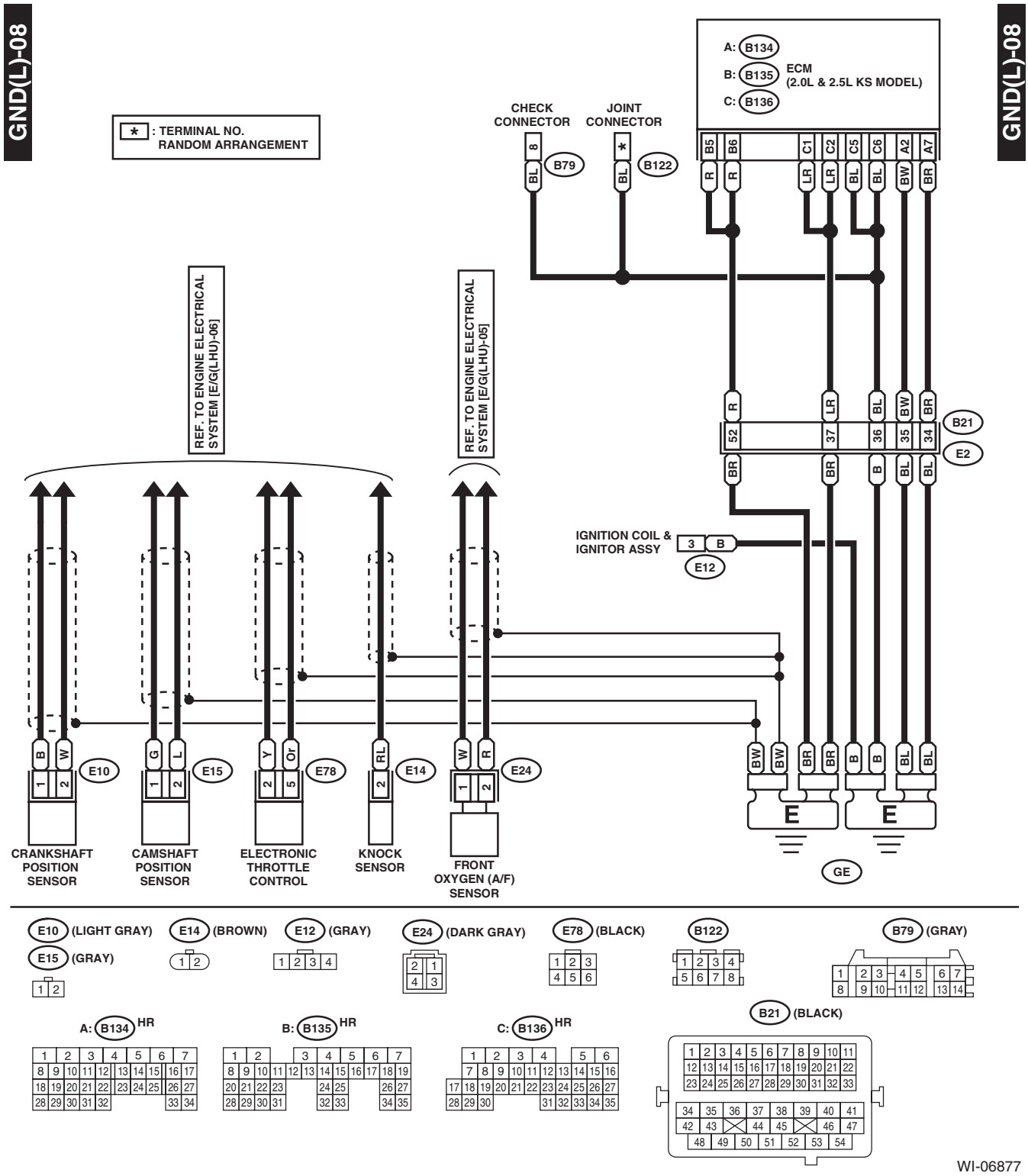
GND(L)-07





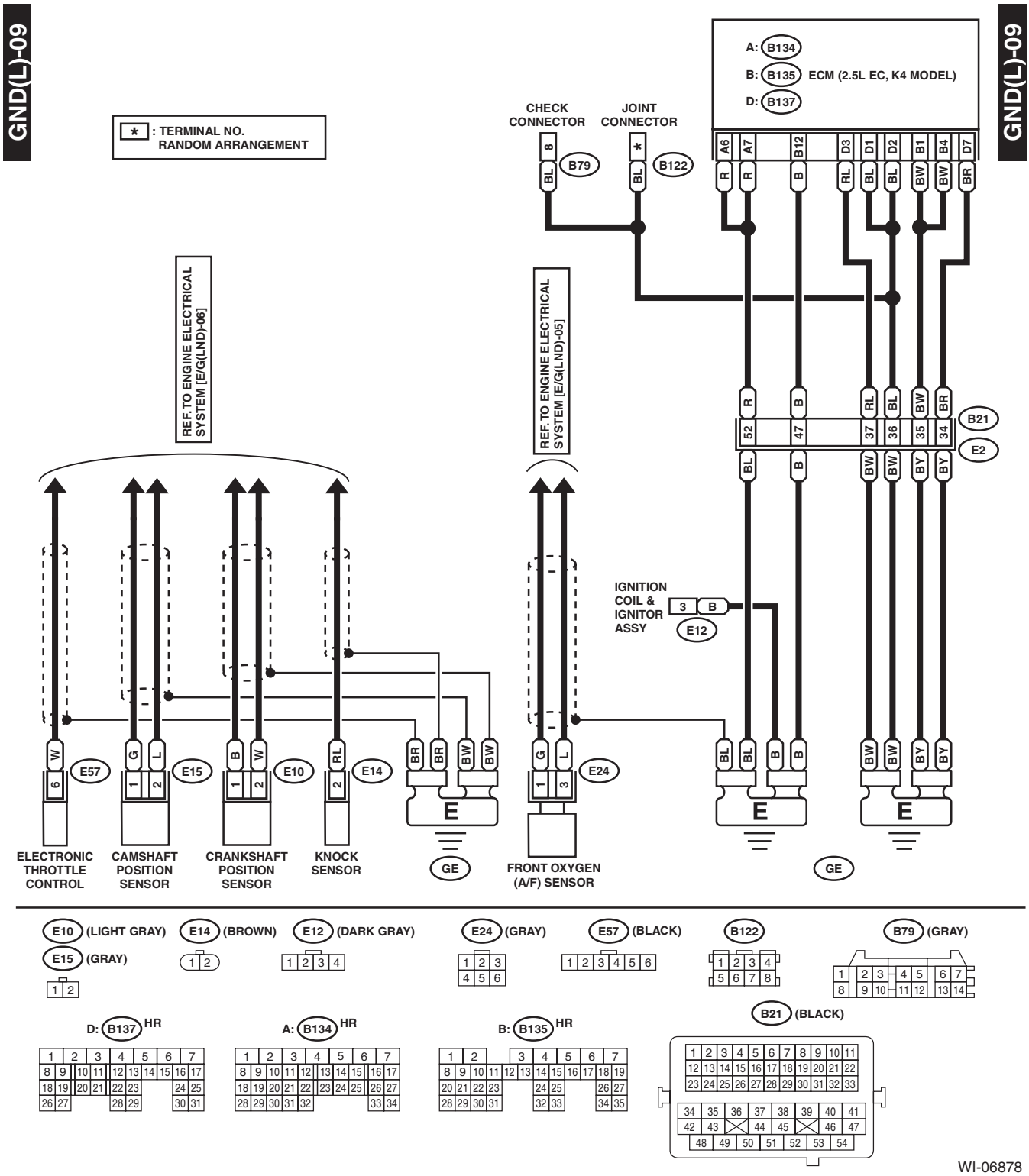
WI-03911

4. LHD ENGINE GROUND (2.0 L MODEL AND 2.5 L KS MODEL)



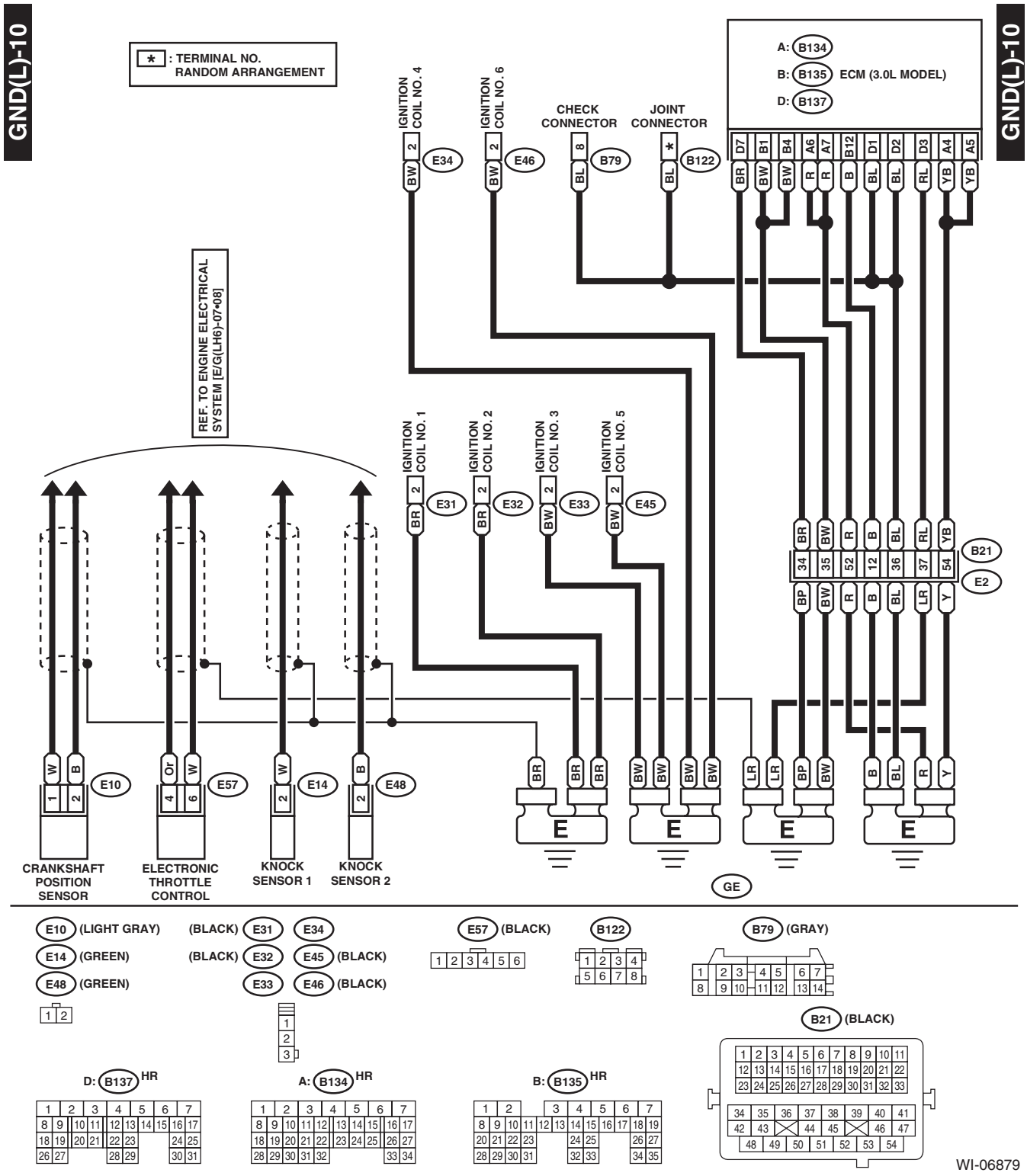
WI-06877

5. LHD ENGINE GROUND (2.5 L EC, K4 MODEL)

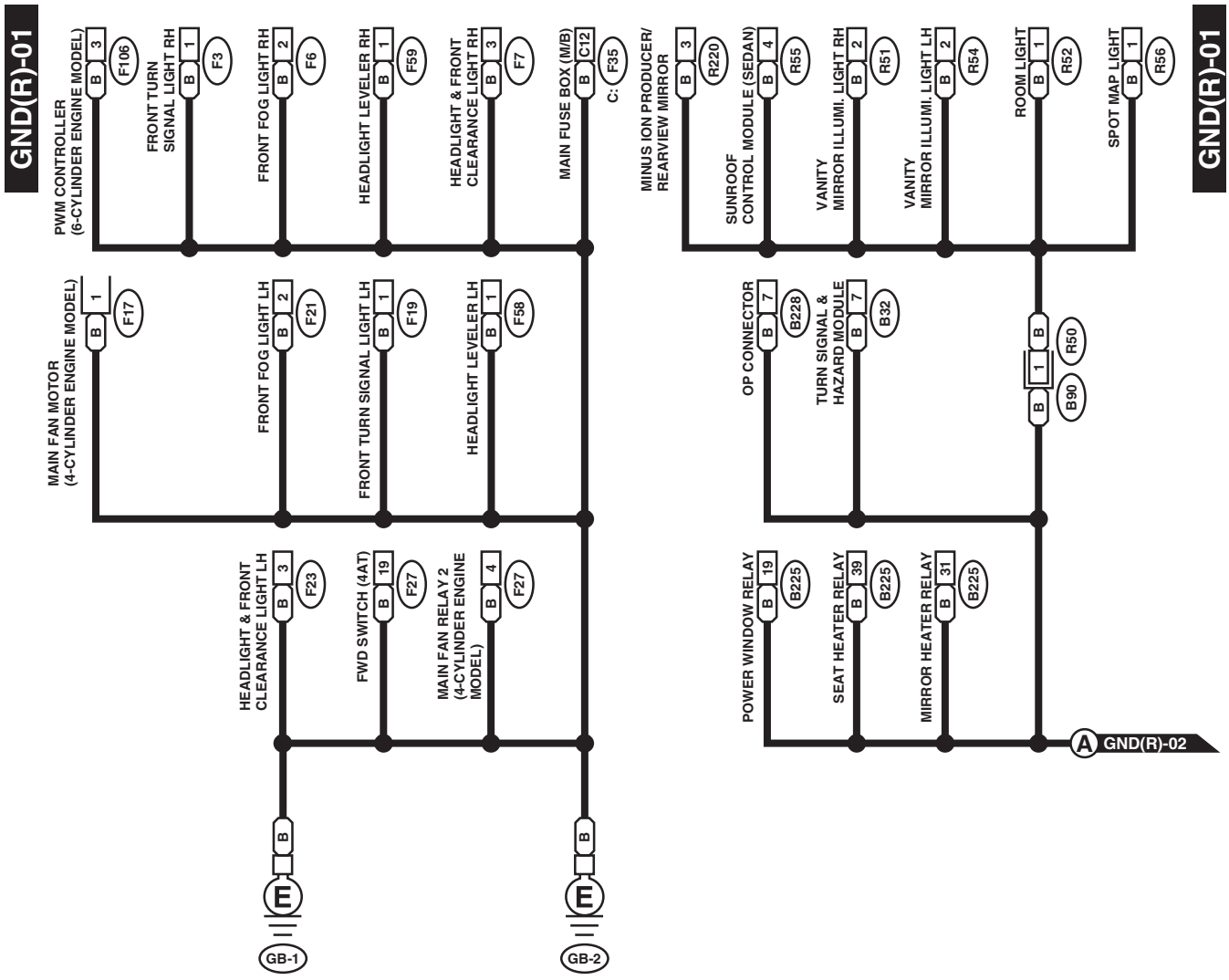


WI-06878

6. LHD ENGINE GROUND (3.0 L MODEL)

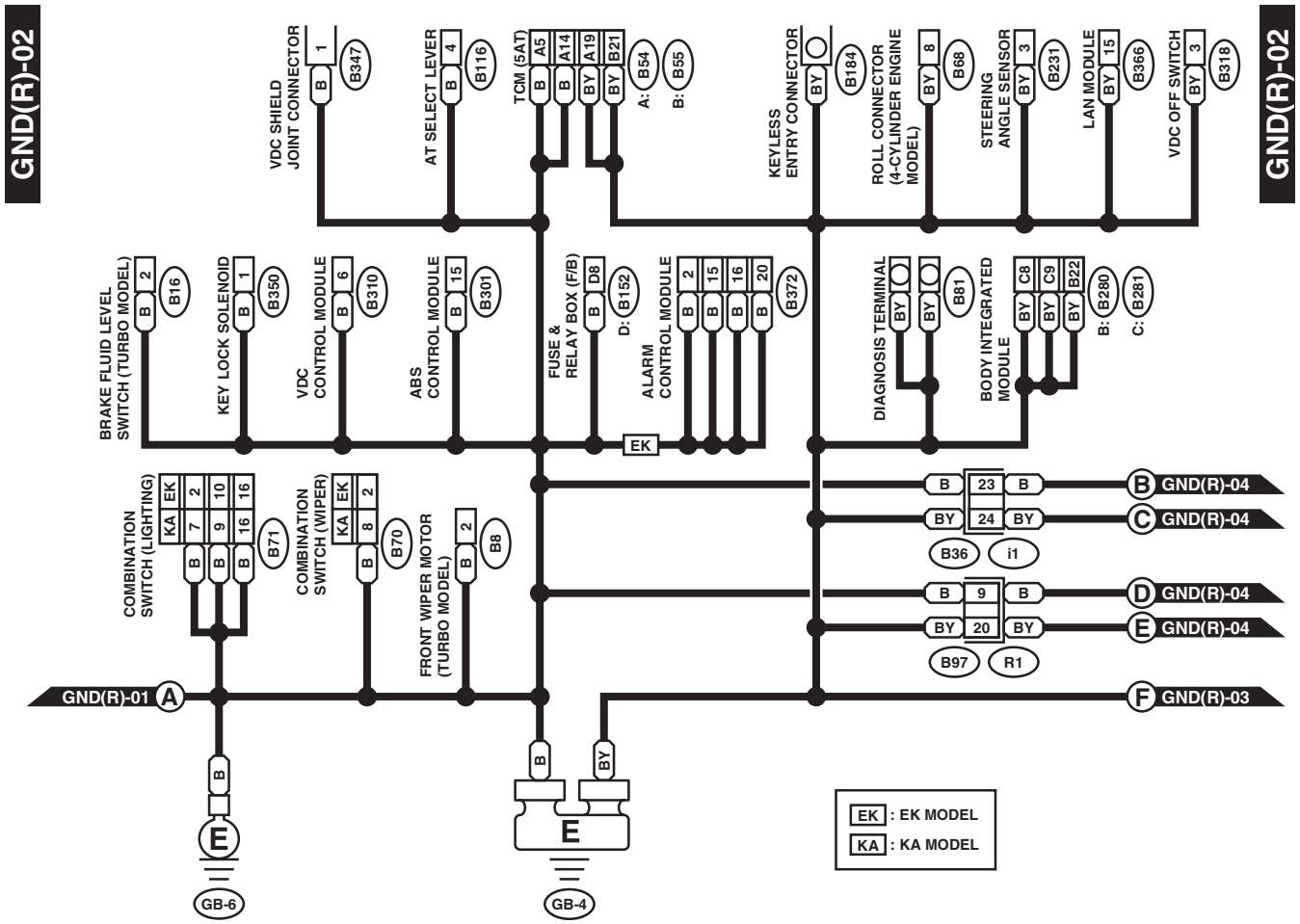


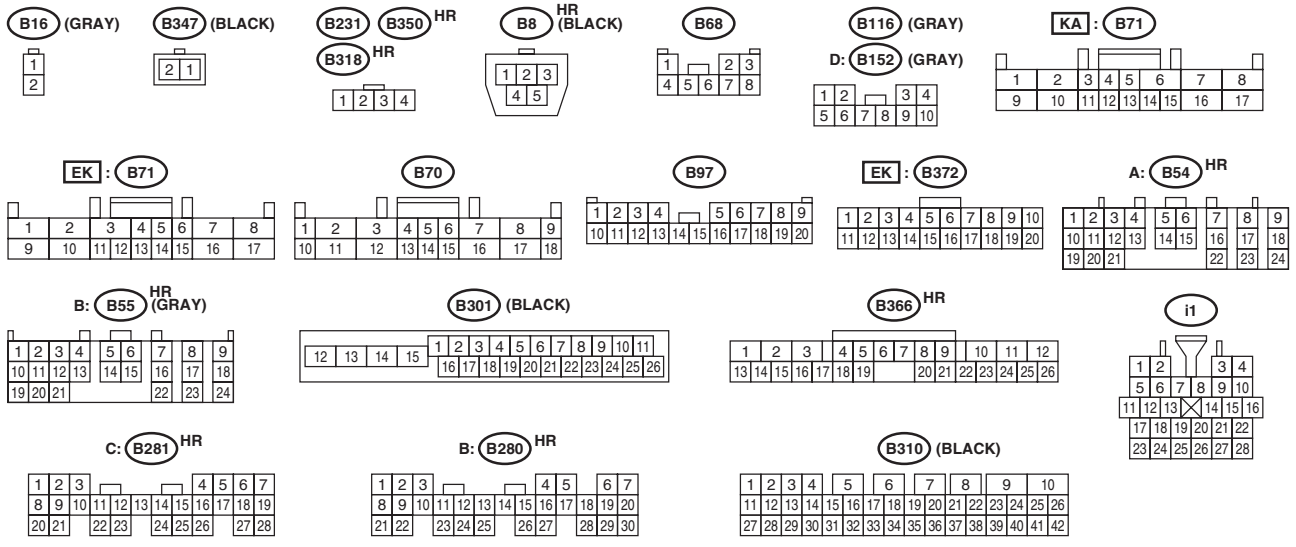
7. RHD CHASSIS GROUND



WI-06880

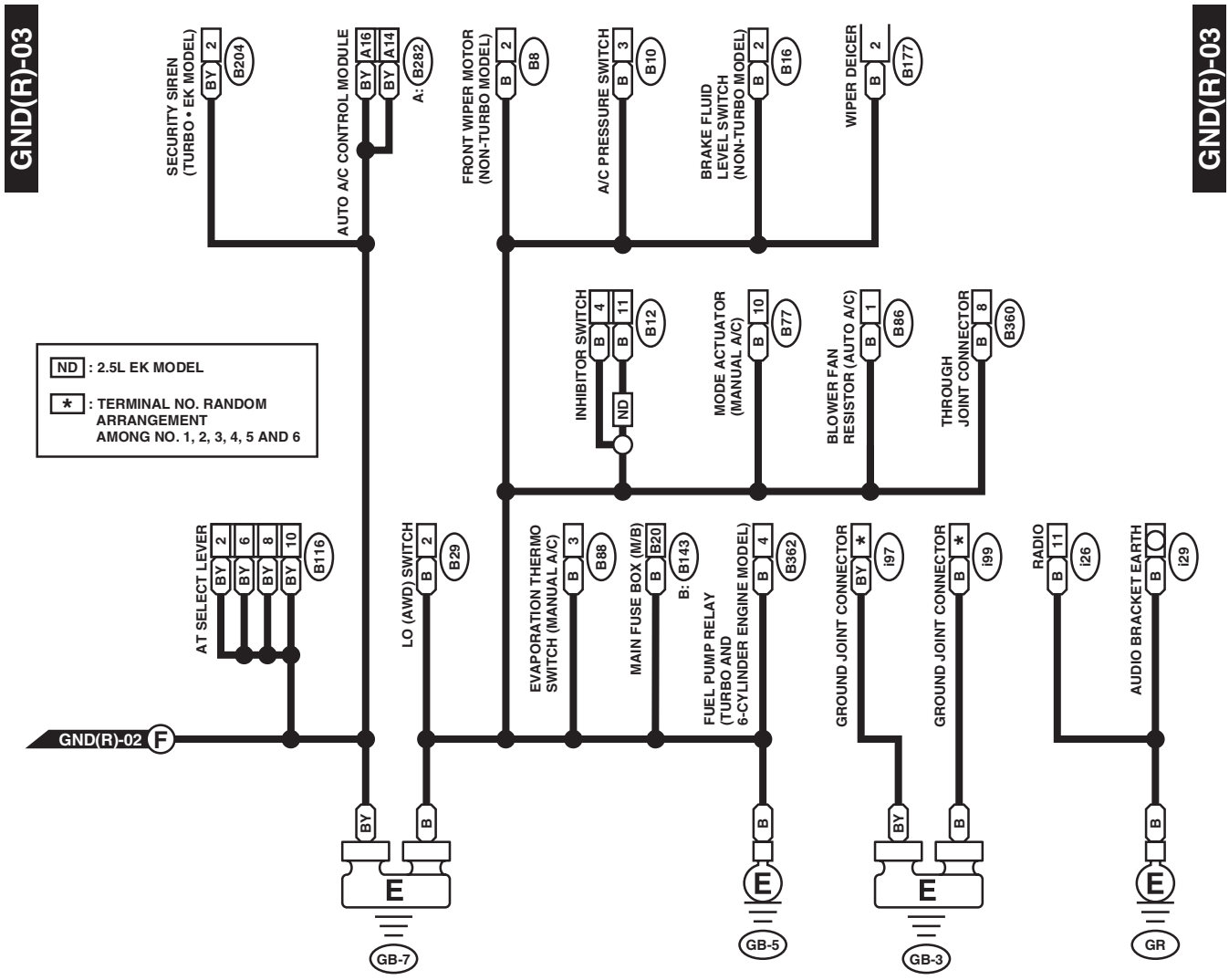
Ground Circuit

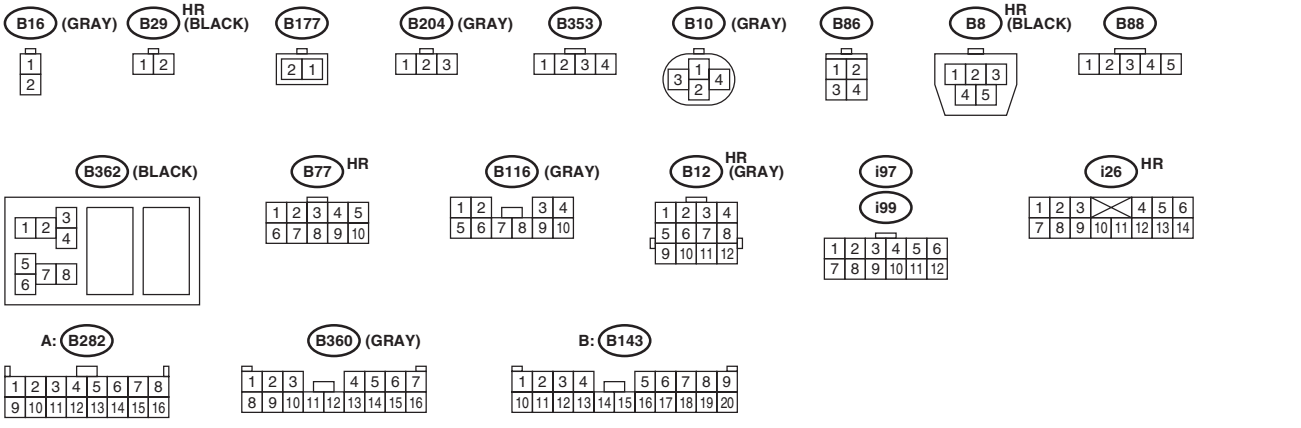




WI-06881

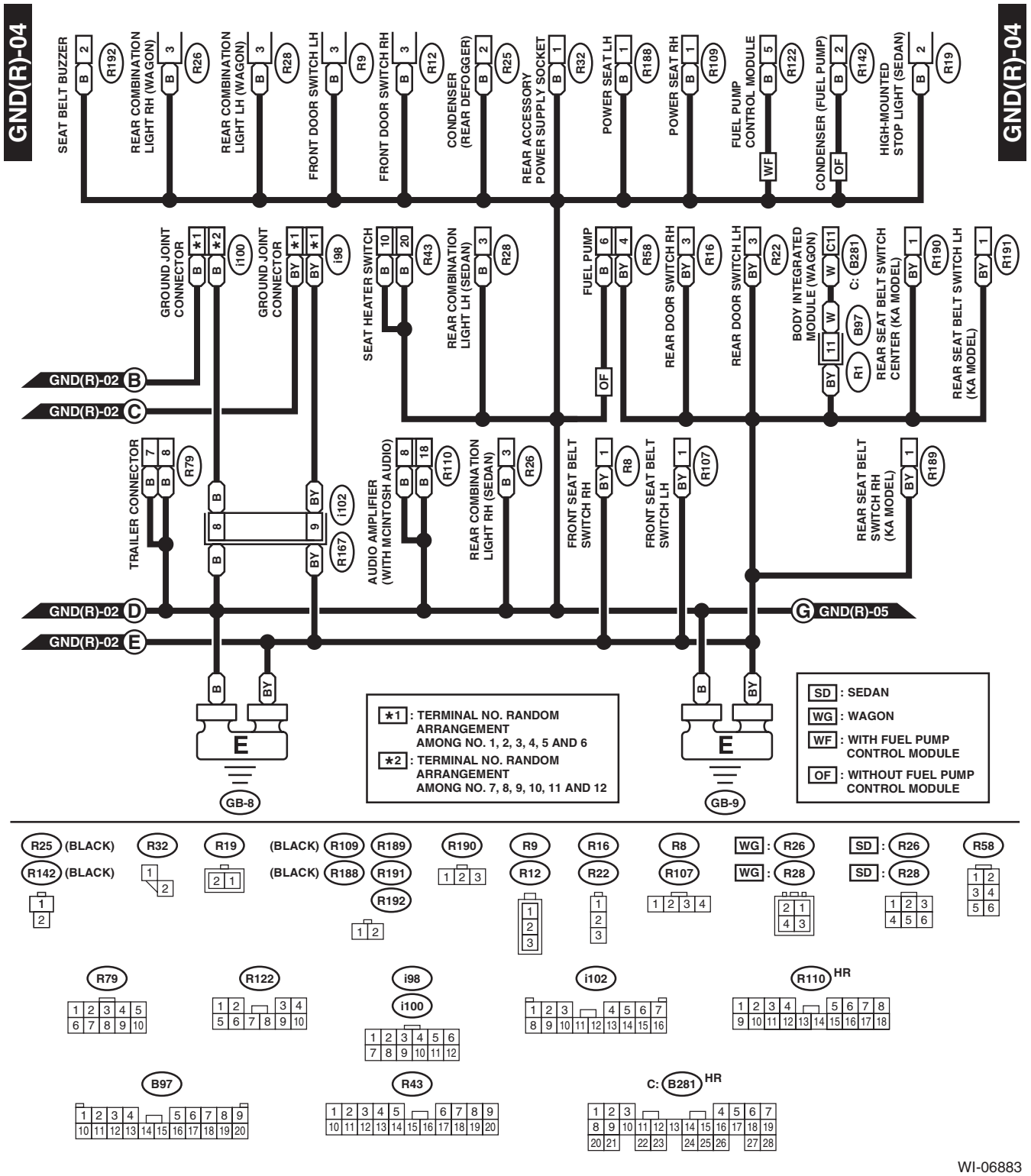
Ground Circuit





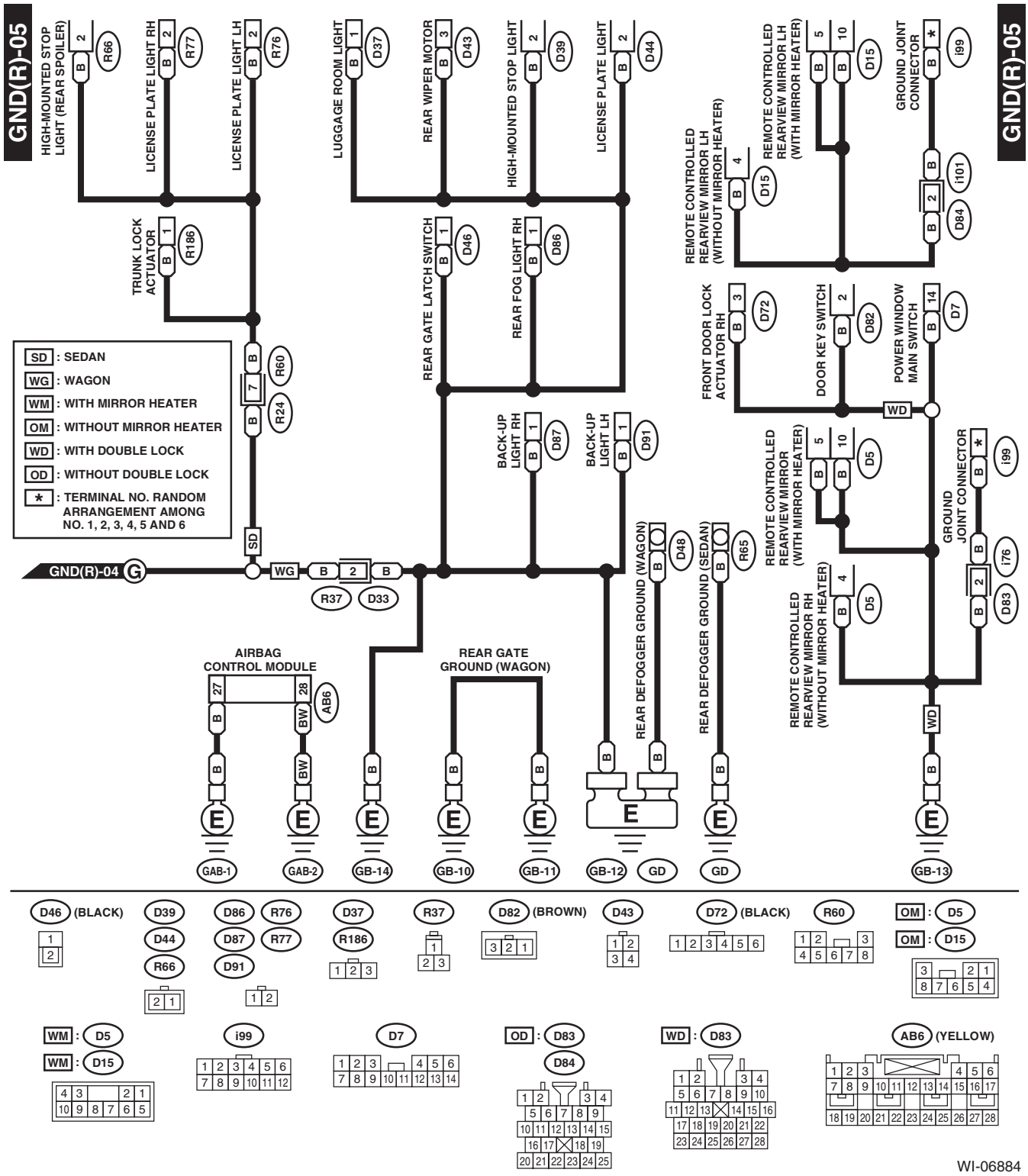
WI-06882

Ground Circuit



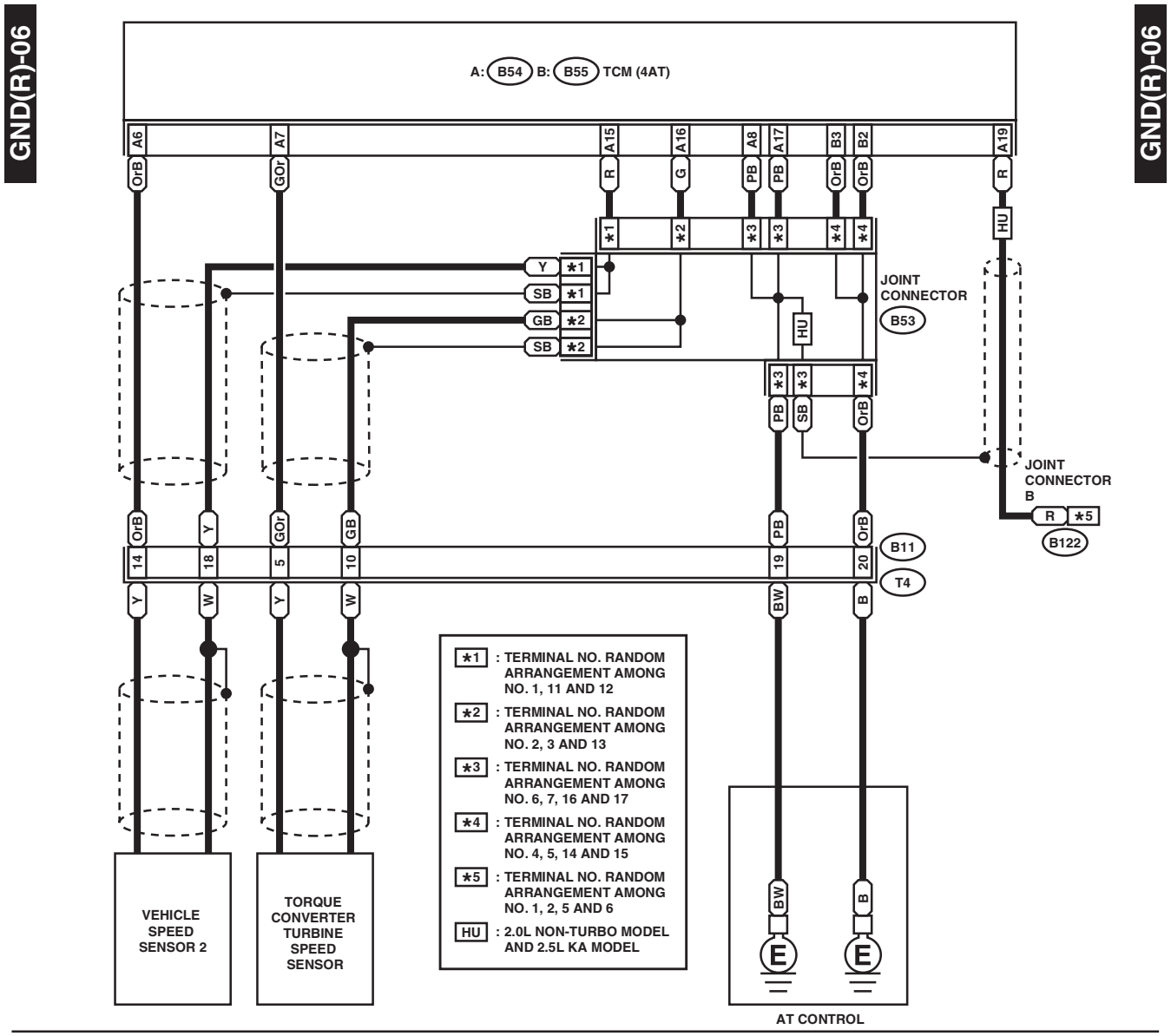
WI-06883

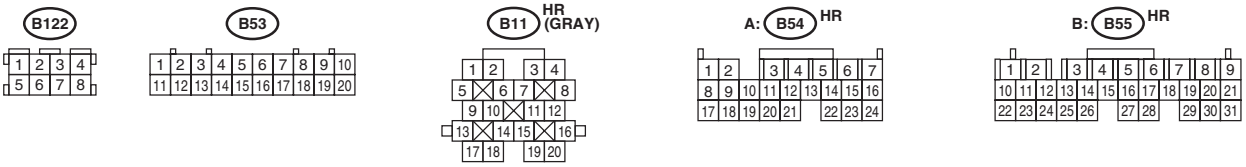
Ground Circuit



WI-06884

8. RHD AT TRANSMISSION GROUND (4AT MODEL)

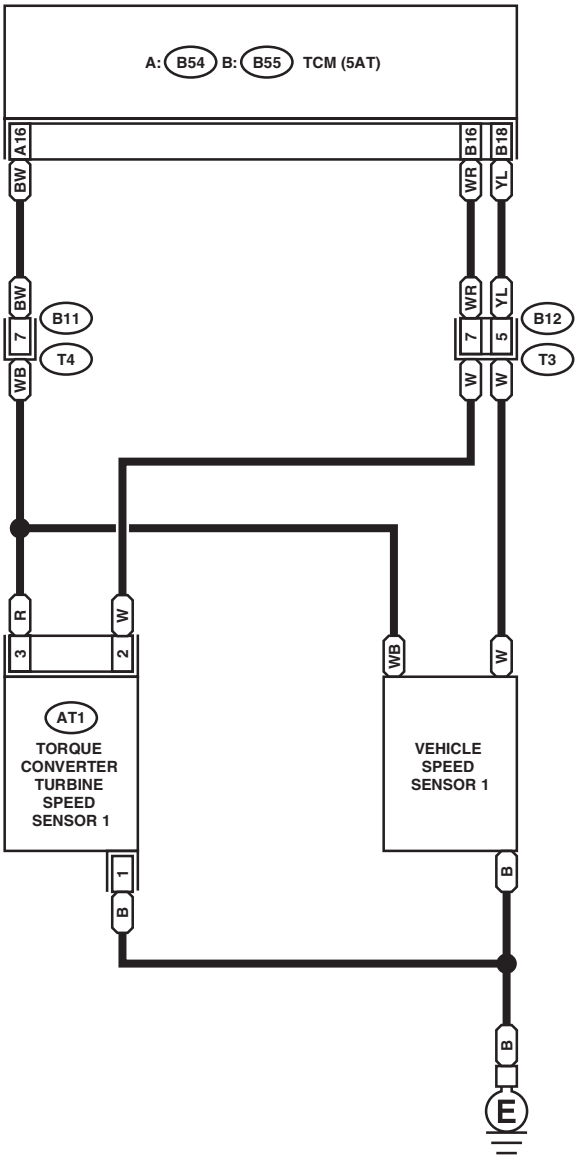




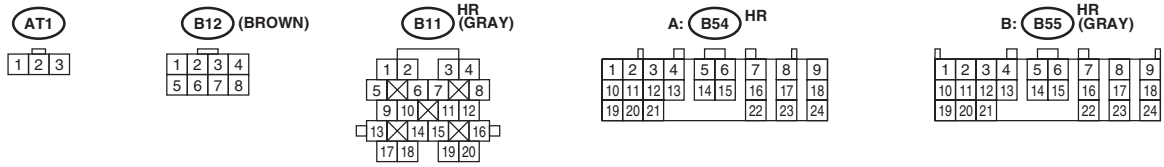
WI-06885

9. RHD AT TRANSMISSION GROUND (5AT MODEL)

GND(R)-07

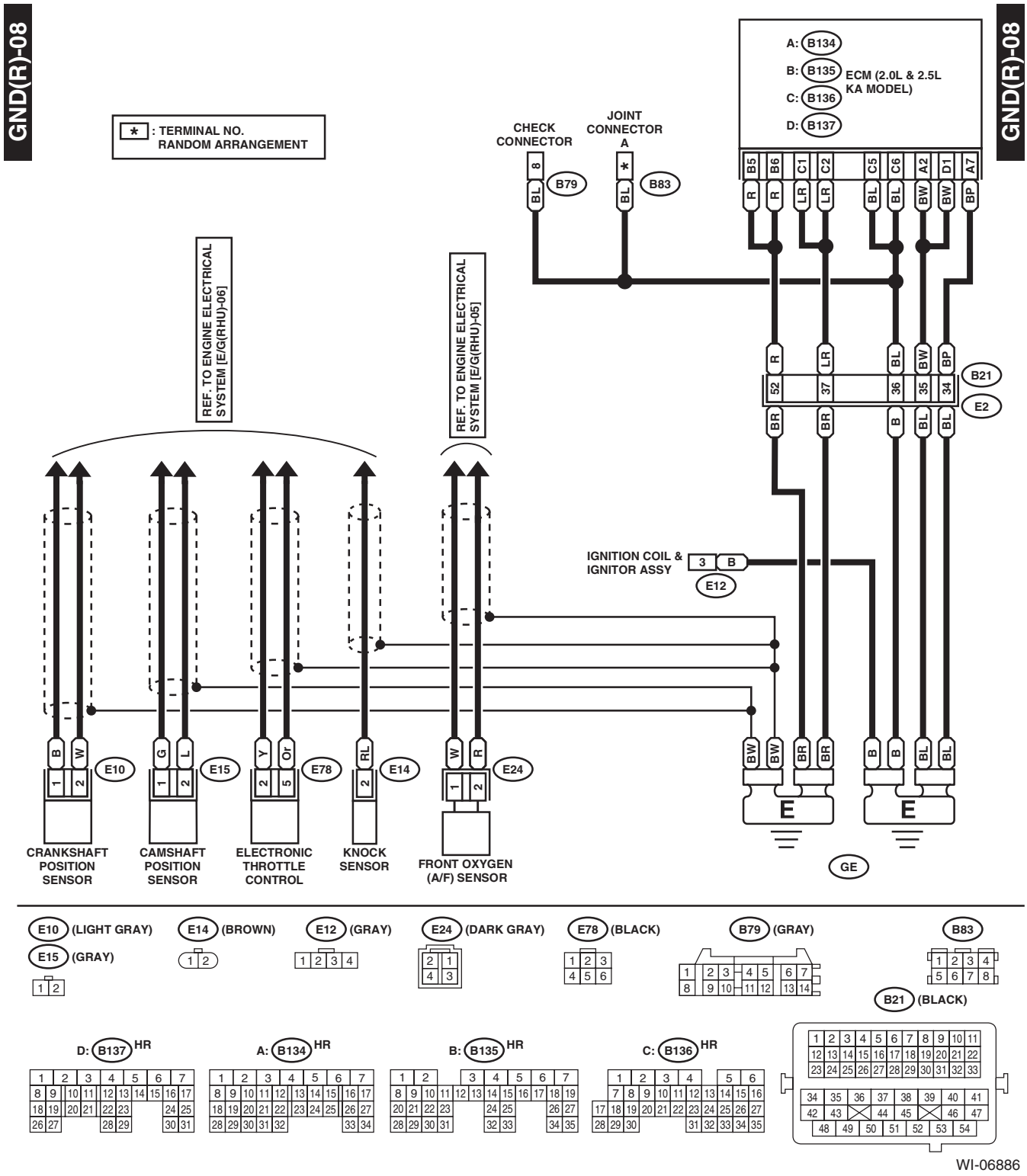


GND(R)-07



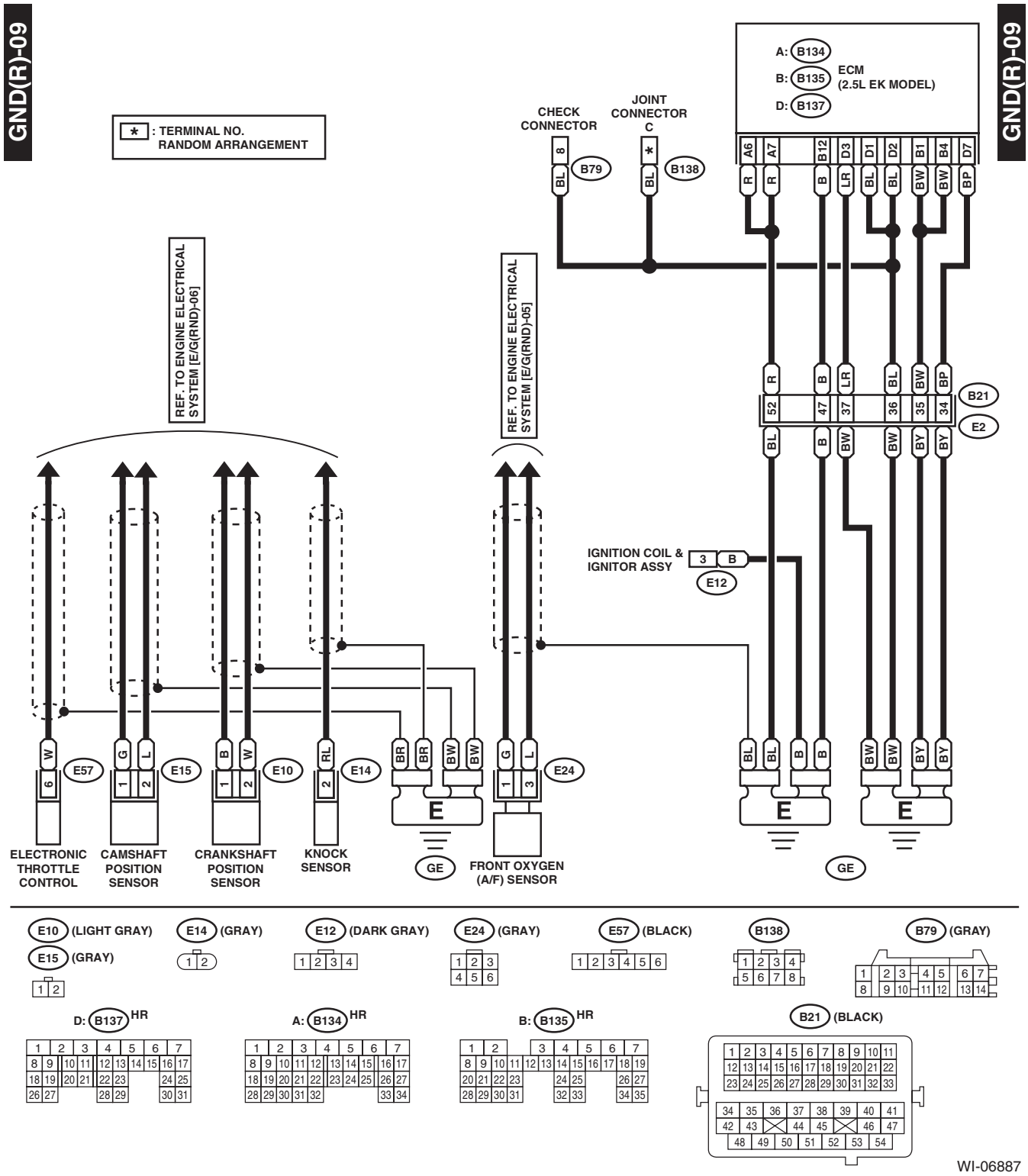
WI-03921

10.RHD ENGINE GROUND (2.0 L NON-TURBO MODEL AND 2.5 L KA MODEL)



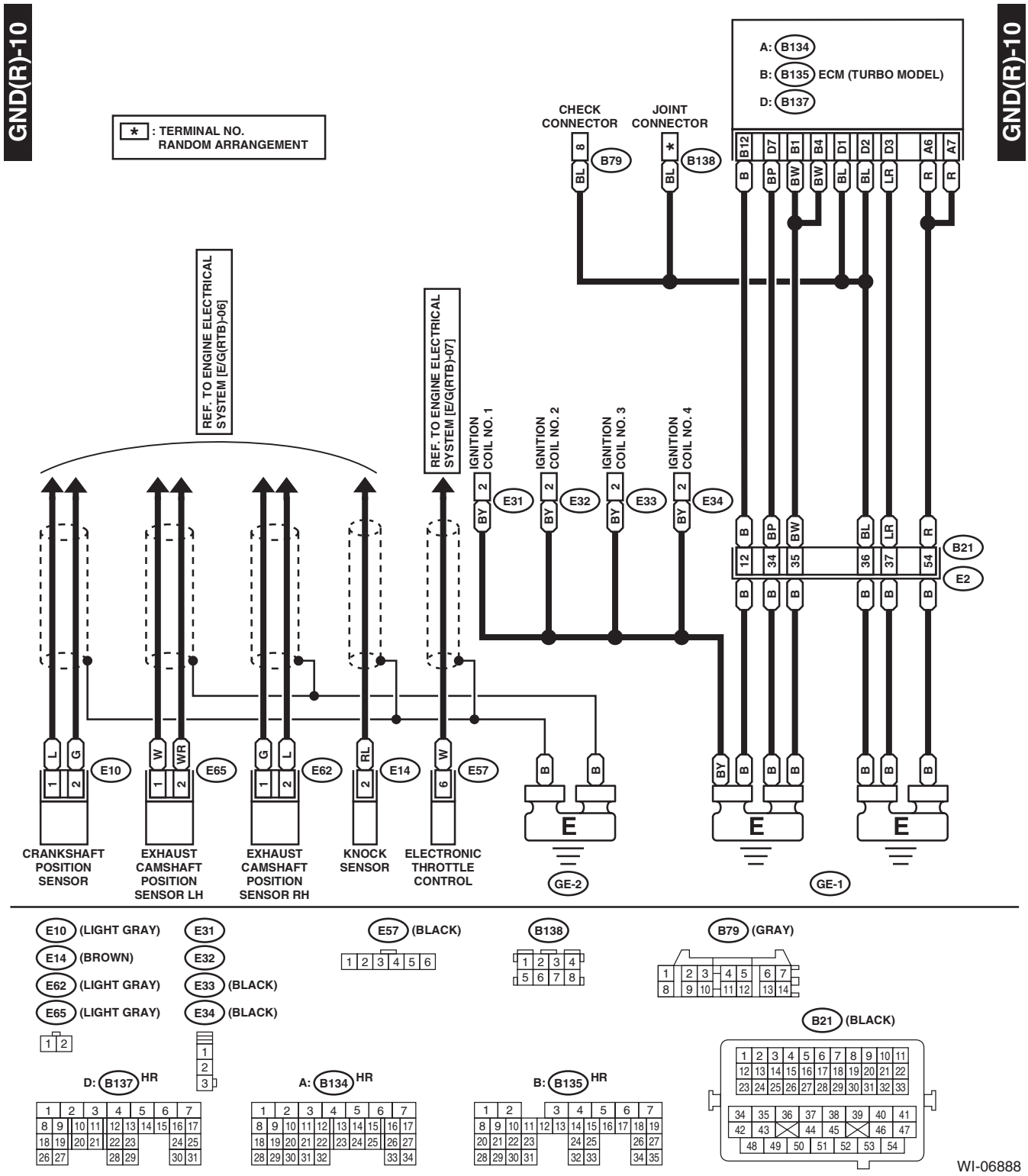
WI-06886

11.RHD ENGINE GROUND (2.5 L EK MODEL)

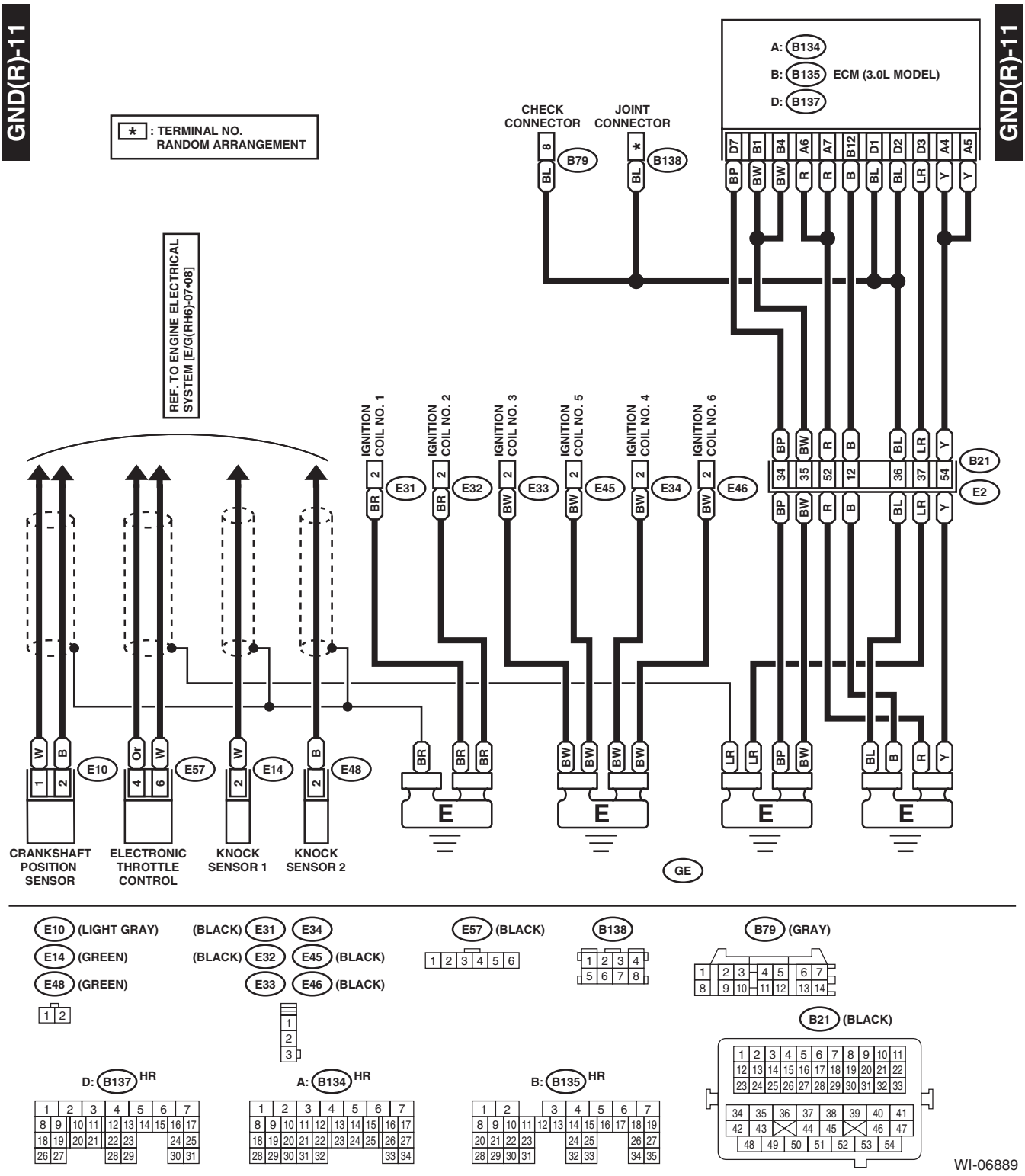


WI-06887

12.RHD ENGINE GROUND (TURBO MODEL)



13.RHD ENGINE GROUND (3.0 L MODEL)

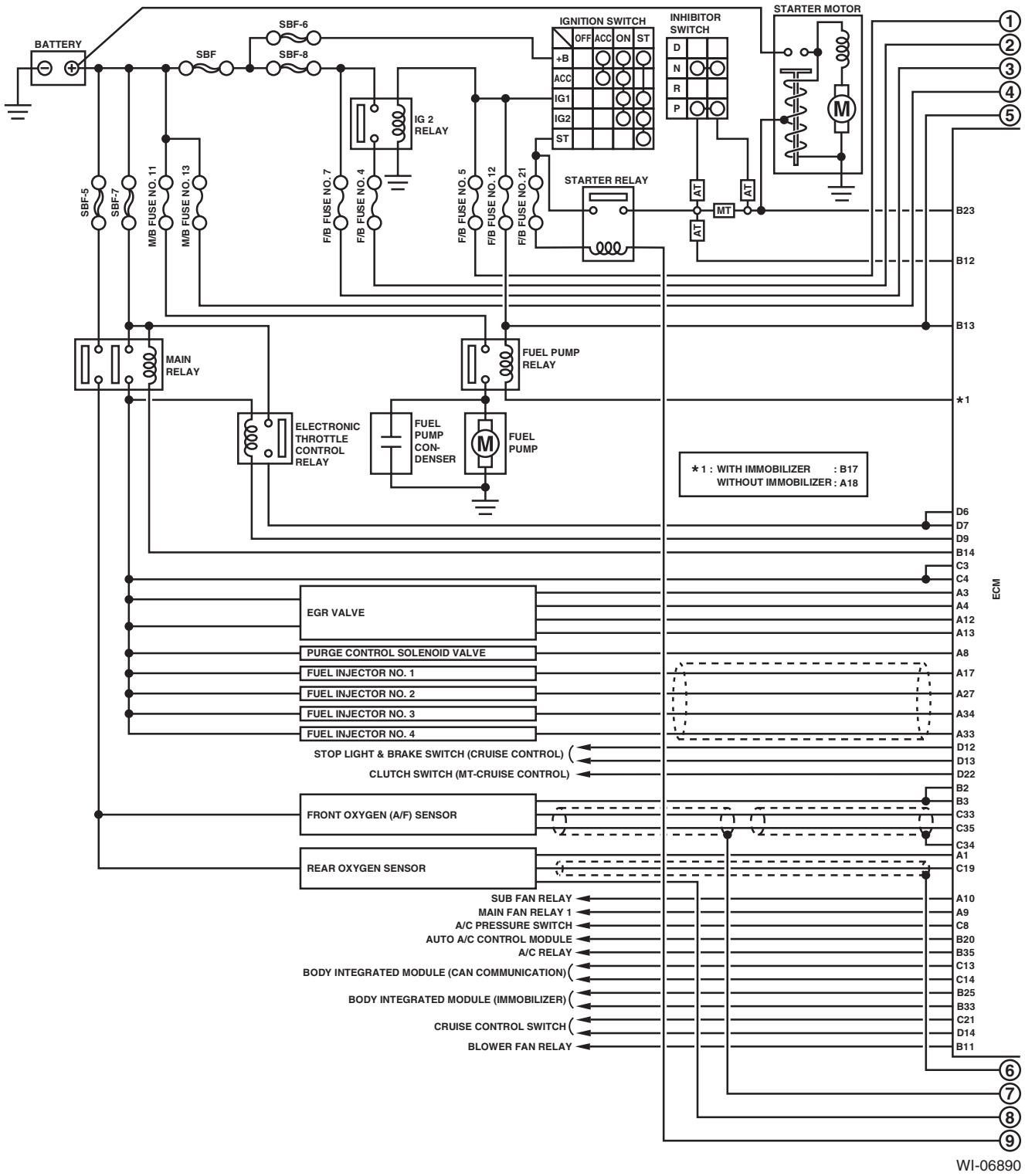


WI-06889

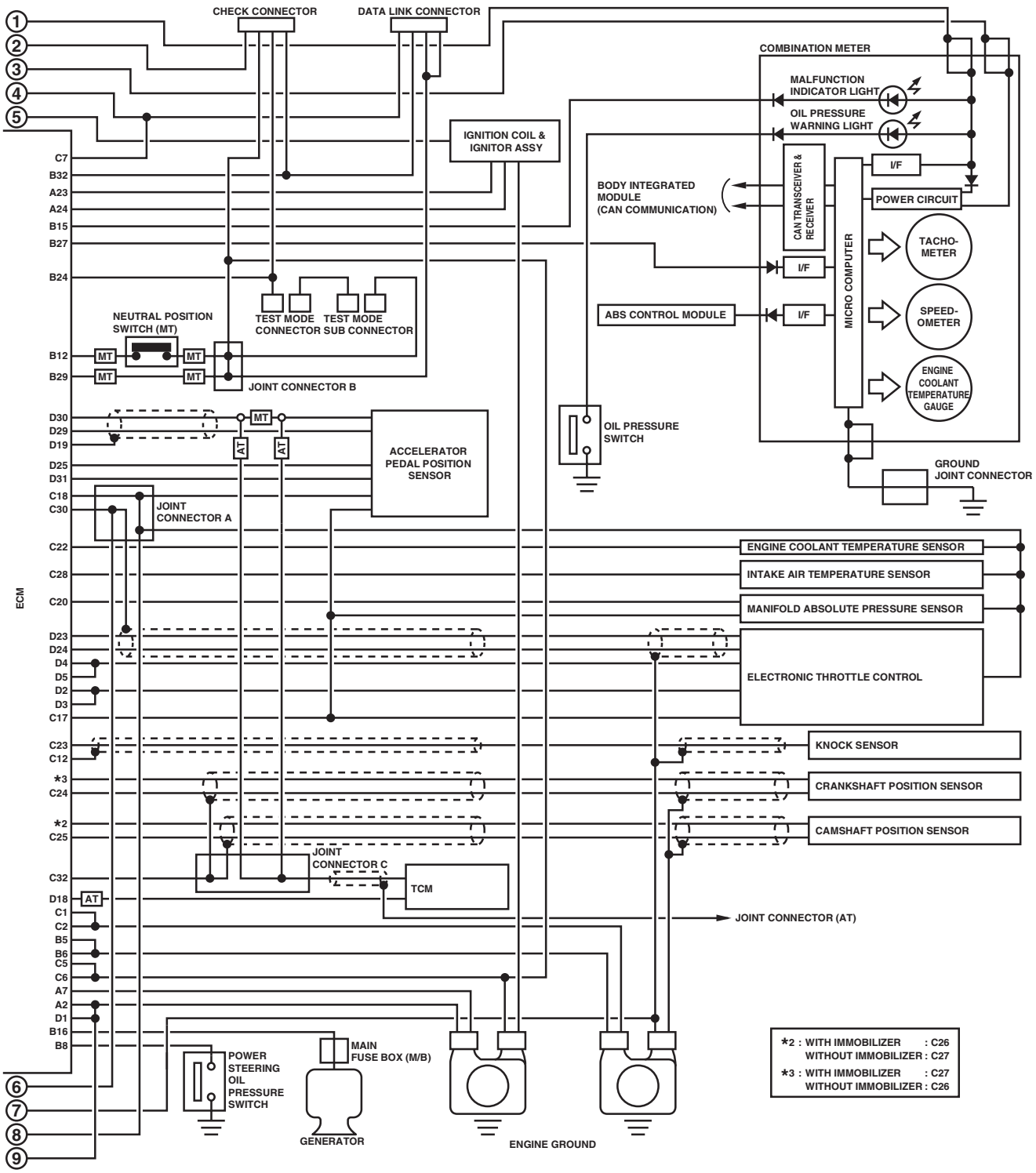
5. Engine Electrical System

A: WIRING DIAGRAM

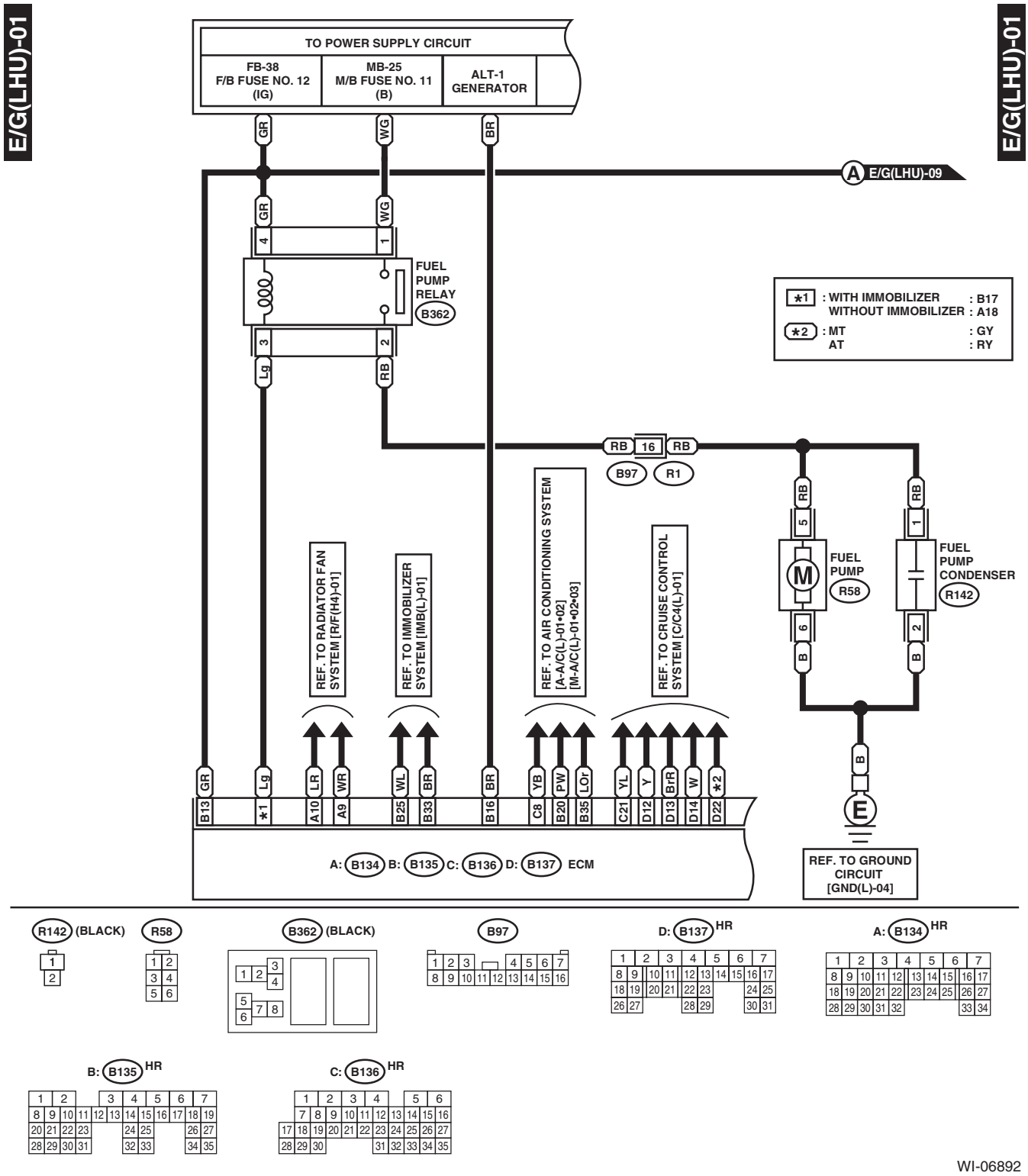
1. LHD 2.0 L MODEL AND 2.5 L KS MODEL



WI-06890

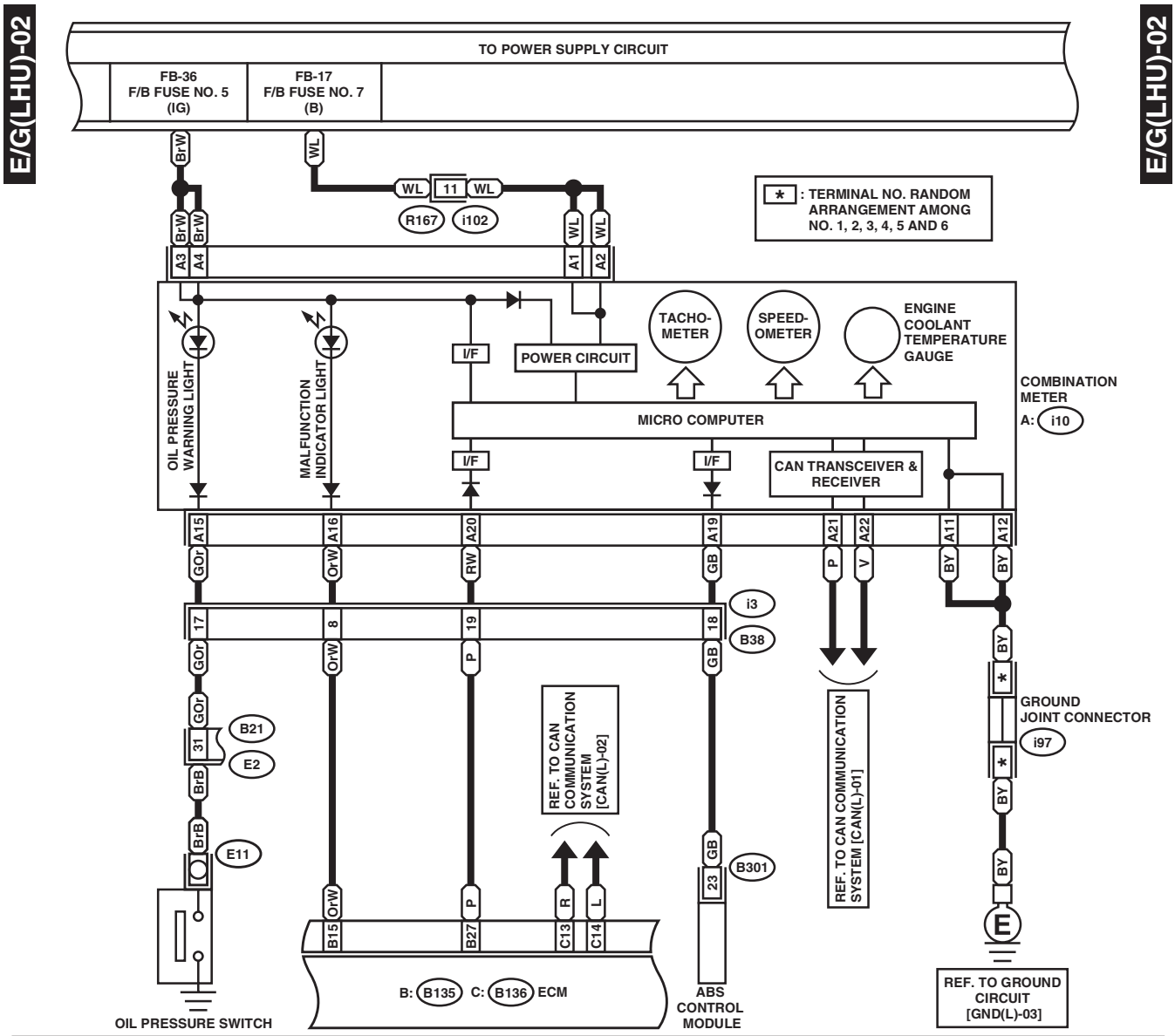

CHECK CONNECTOR
DATA LINK CONNECTOR
COMBINATION METER
MALFUNCTION INDICATOR LIGHT
OIL PRESSURE WARNING LIGHT
IGNITION COIL & IGNITOR ASSY
BODY INTEGRATED MODULE (CAN COMMUNICATION)
CAN TRANSCEIVER & RECEIVER
I/F
POWER CIRCUIT
MICRO COMPUTER
TACHO-METER
SPEED-OMETER
ENGINE COOLANT TEMPERATURE GAUGE
ABS CONTROL MODULE
NEUTRAL POSITION SWITCH (MT)
TEST MODE CONNECTOR
TEST MODE SUB CONNECTOR
JOINT CONNECTOR B
OIL PRESSURE SWITCH
GROUND JOINT CONNECTOR
ACCELERATOR PEDAL POSITION SENSOR
JOINT CONNECTOR A
ECM
ENGINE COOLANT TEMPERATURE SENSOR
INTAKE AIR TEMPERATURE SENSOR
MANIFOLD ABSOLUTE PRESSURE SENSOR
ELECTRONIC THROTTLE CONTROL
KNOCK SENSOR
CRANKSHAFT POSITION SENSOR
CAMSHAFT POSITION SENSOR
JOINT CONNECTOR C
TCM
JOINT CONNECTOR (AT)
POWER STEERING OIL PRESSURE SWITCH
MAIN FUSE BOX (M/B)
GENERATOR
ENGINE GROUND
*2 : WITH IMMOBILIZER : C26
WITHOUT IMMOBILIZER : C27
*3 : WITH IMMOBILIZER : C27
WITHOUT IMMOBILIZER : C26

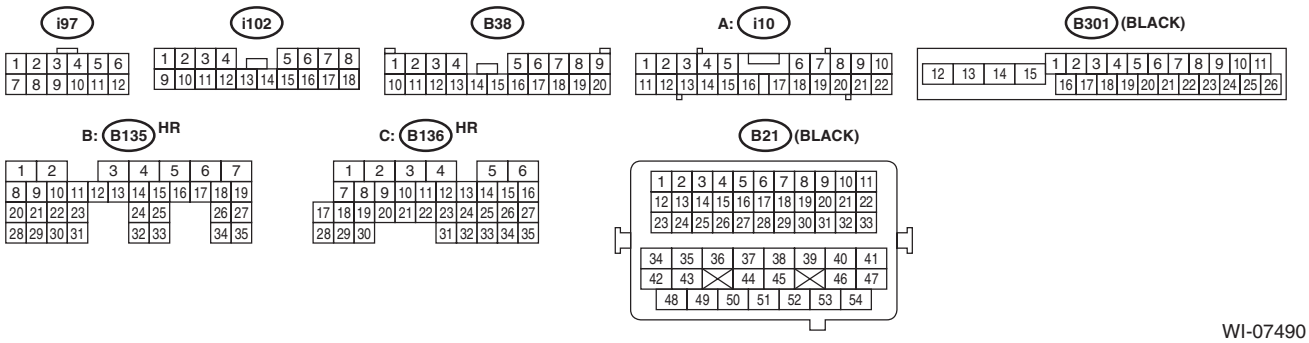
WI-06891


E/G(LHU)-01
E/G(LHU)-01
TO POWER SUPPLY CIRCUIT
FB-38 F/B FUSE NO. 12 (IG)
MB-25 M/B FUSE NO. 11 (B)
ALT-1 GENERATOR
GR
WG
BR
A E/G(LHU)-09
FUEL PUMP RELAY B362
*1 : WITH IMMOBILIZER : B17
WITHOUT IMMOBILIZER : A18
*2 : MT : GY
AT : RY
RB 16 RB
B97 R1
REF. TO RADIATOR FAN SYSTEM [R/F(H4)-01]
REF. TO IMMOBILIZER SYSTEM [IMB(L)-01]
REF. TO AIR CONDITIONING SYSTEM [A-A/C(L)-01•02] [M-A/C(L)-01•02•03]
REF. TO CRUISE CONTROL SYSTEM [C/C4(L)-01]
FUEL PUMP R58
FUEL PUMP CONDENSER R142
B13 *1 A10 A9 B25 B33 B16 C8 B20 B35 C21 D12 D13 D14 D22
A: B134 B: B135 C: B136 D: B137 ECM
REF. TO GROUND CIRCUIT [GND(L)-04]
R142 (BLACK)
R58
B362 (BLACK)
B97
D: B137 HR
A: B134 HR
B: B135 HR
C: B136 HR

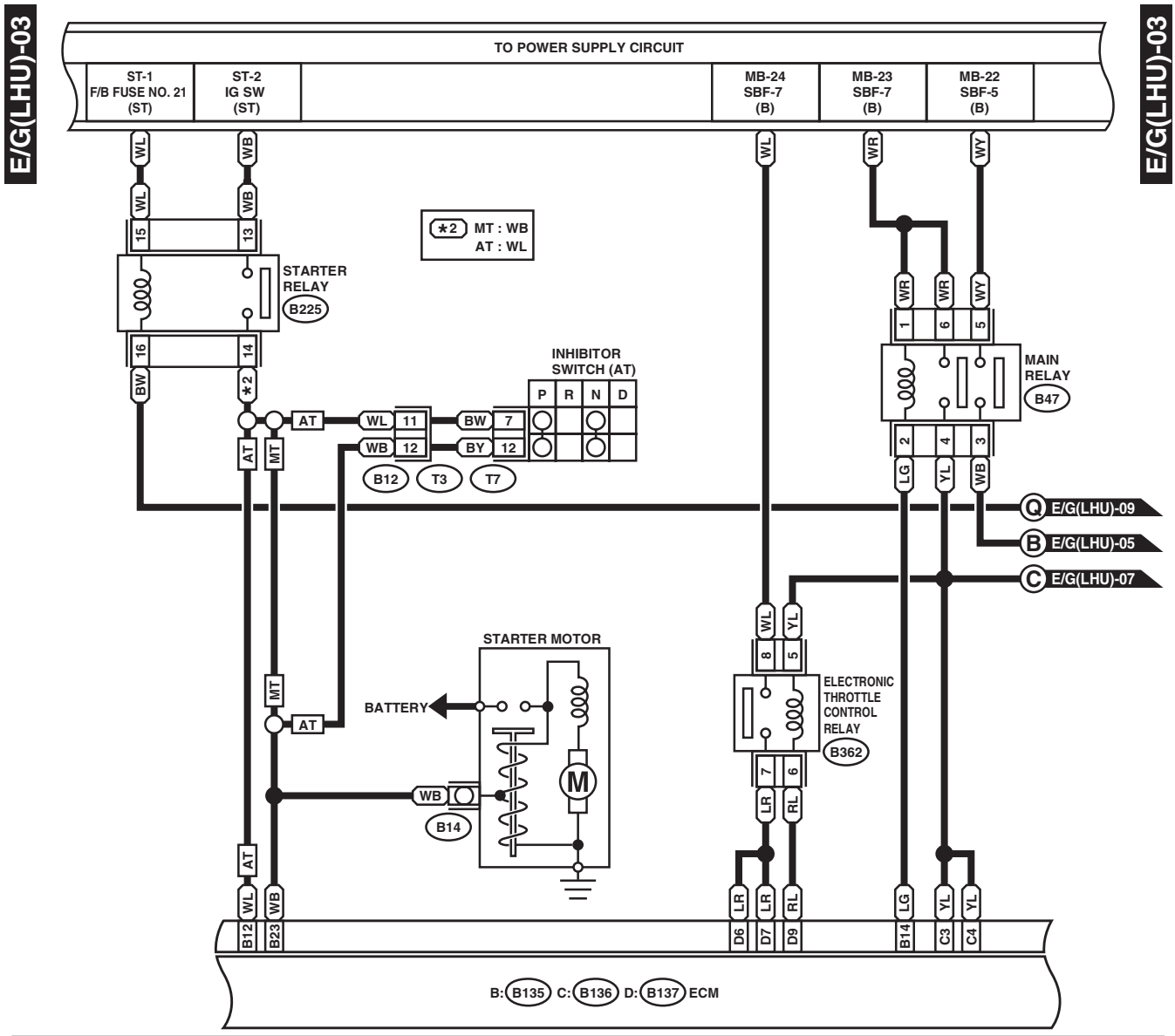
WI-06892

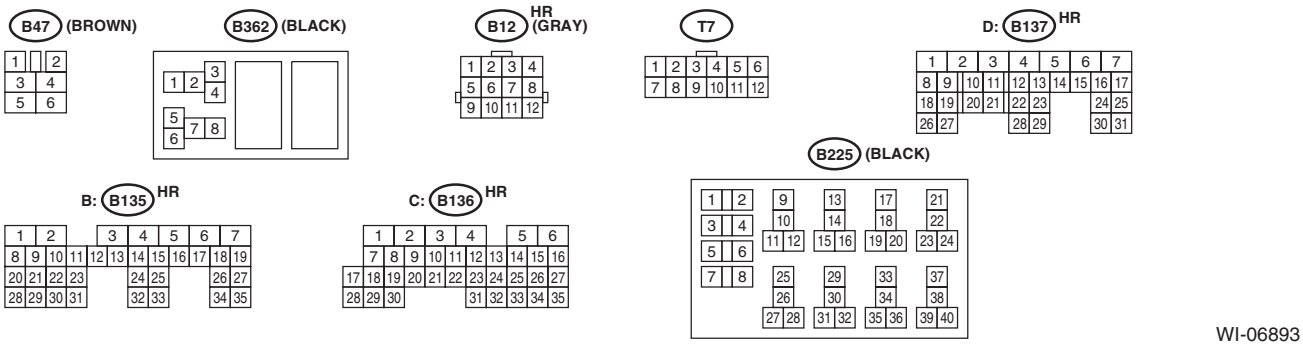
E/G(LHU)-02



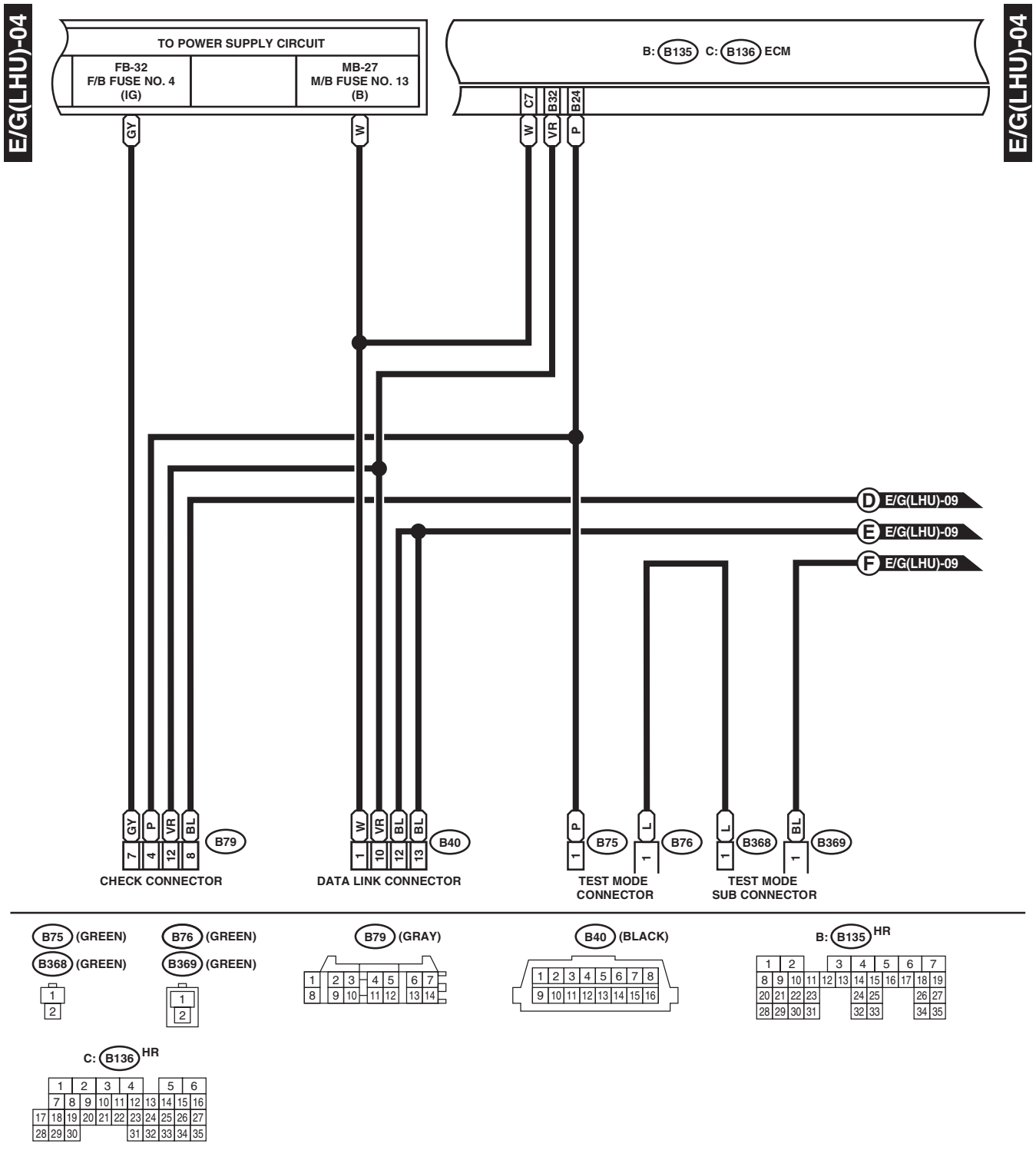


WI-07490

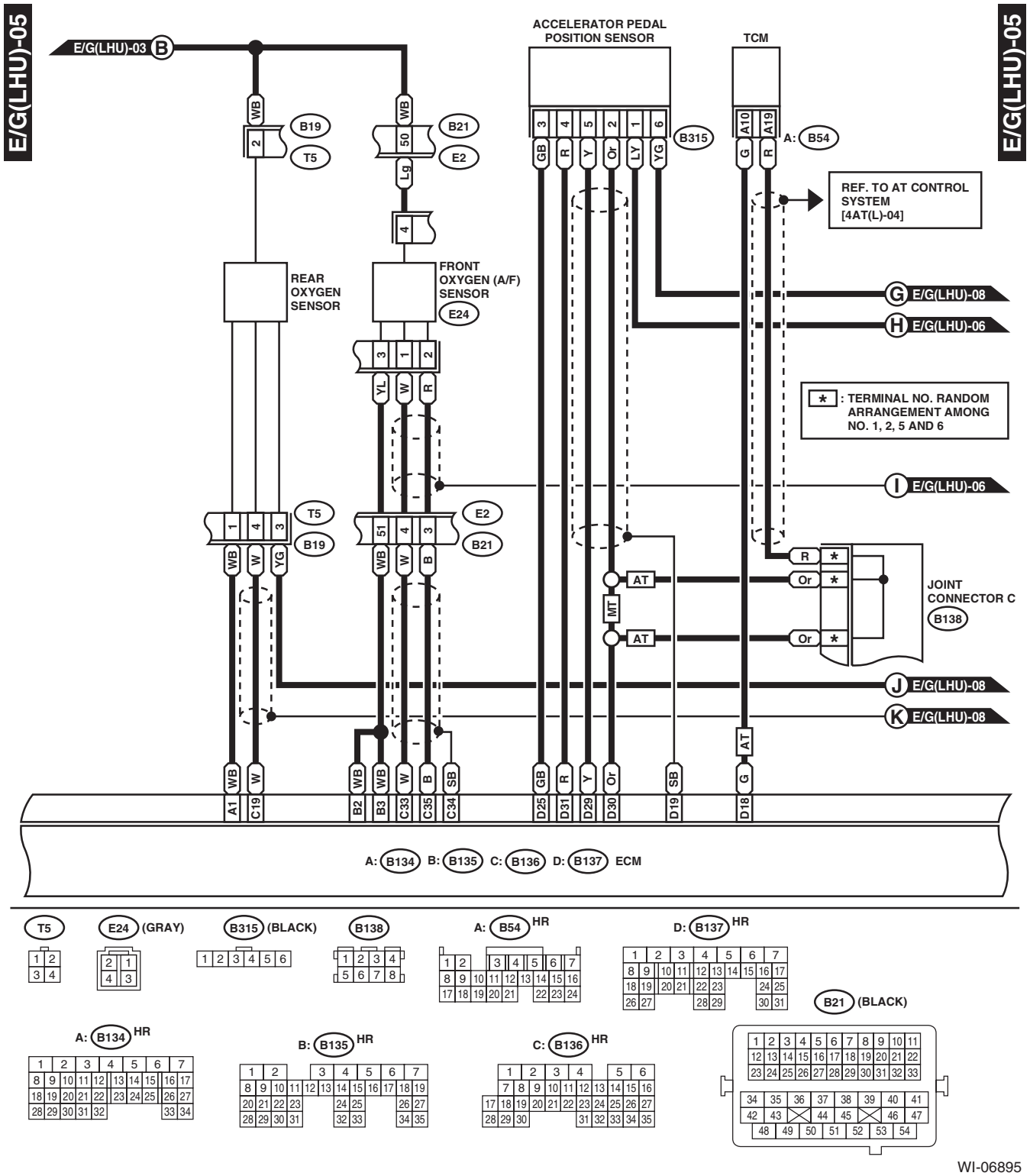

E/G(LHU)-03
E/G(LHU)-03
TO POWER SUPPLY CIRCUIT
ST-1
F/B FUSE NO. 21
(ST)
ST-2
IG SW
(ST)
MB-24
SBF-7
(B)
MB-23
SBF-7
(B)
MB-22
SBF-5
(B)
★2 MT : WB
AT : WL
STARTER
RELAY
B225
INHIBITOR
SWITCH (AT)
P R N D
MAIN
RELAY
B47
B12 T3 T7
Q E/G(LHU)-09
B E/G(LHU)-05
C E/G(LHU)-07
STARTER MOTOR
BATTERY
ELECTRONIC
THROTTLE
CONTROL
RELAY
B362
B14
B: B135 C: B136 D: B137 ECM


B47 (BROWN)
B362 (BLACK)
B12 HR (GRAY)
T7
D: B137 HR
B225 (BLACK)
B: B135 HR
C: B136 HR

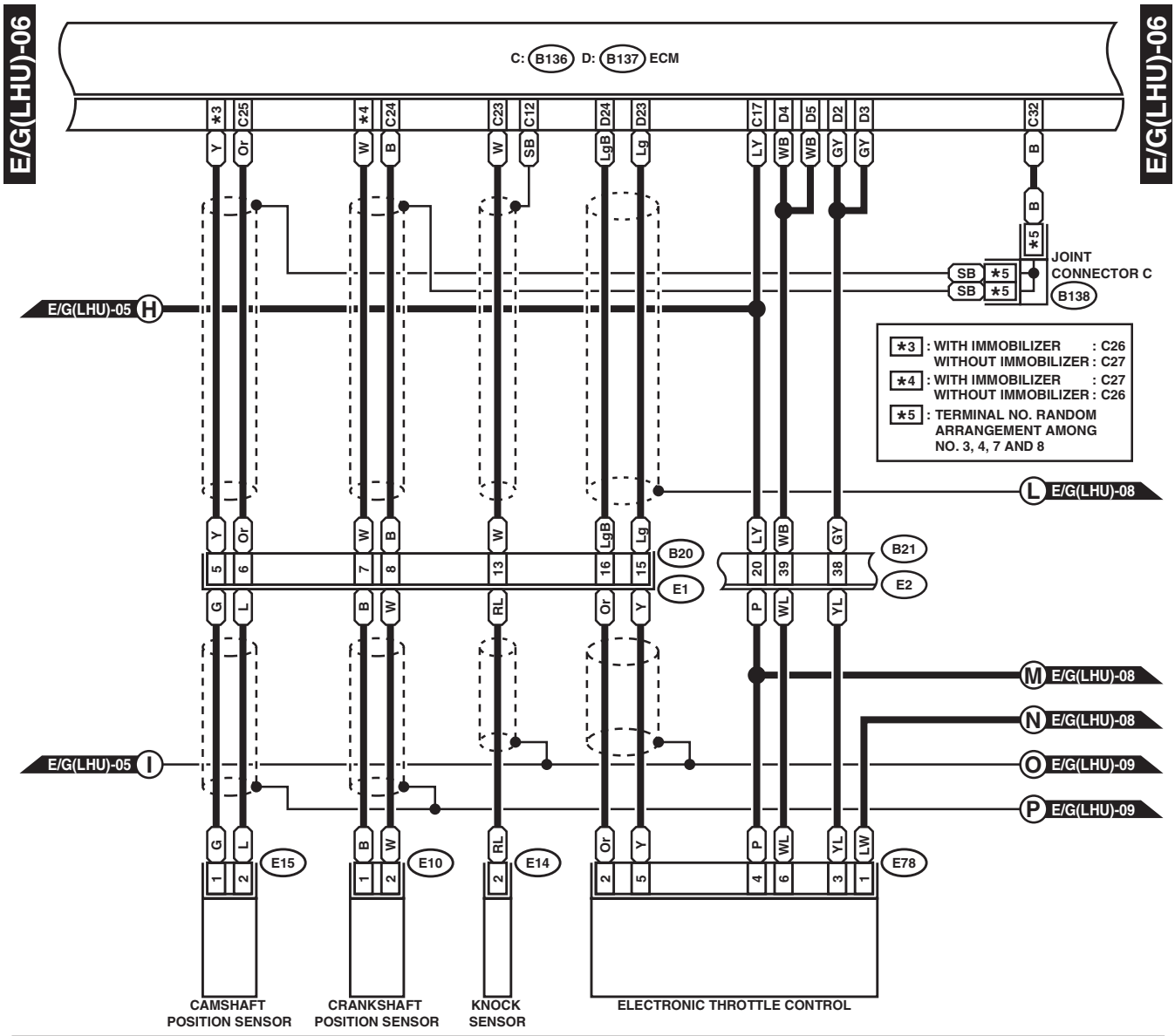
WI-06893

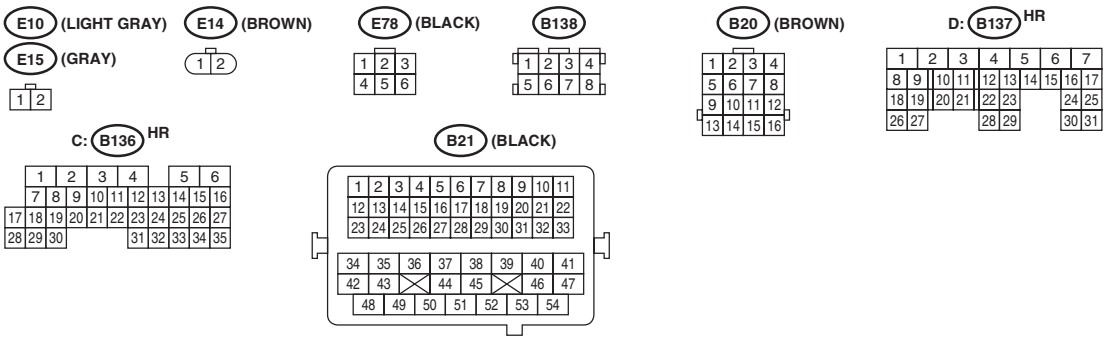

E/G(LHU)-04
E/G(LHU)-04
TO POWER SUPPLY CIRCUIT
FB-32
F/B FUSE NO. 4
(IG)
MB-27
M/B FUSE NO. 13
(B)
B: B135 C: B136 ECM
C7
B32
B24
GY
W
W
VR
P
D E/G(LHU)-09
E E/G(LHU)-09
F E/G(LHU)-09
GY
P
VR
BL
B79
7
4
12
8
CHECK CONNECTOR
W
VR
BL
BL
B40
1
10
12
13
DATA LINK CONNECTOR
P
B75
1
L
B76
1
TEST MODE
CONNECTOR
L
B368
1
BL
B369
1
TEST MODE
SUB CONNECTOR
B75 (GREEN)
B368 (GREEN)
B76 (GREEN)
B369 (GREEN)
B79 (GRAY)
B40 (BLACK)
B: B135 HR
C: B136 HR

WI-06894

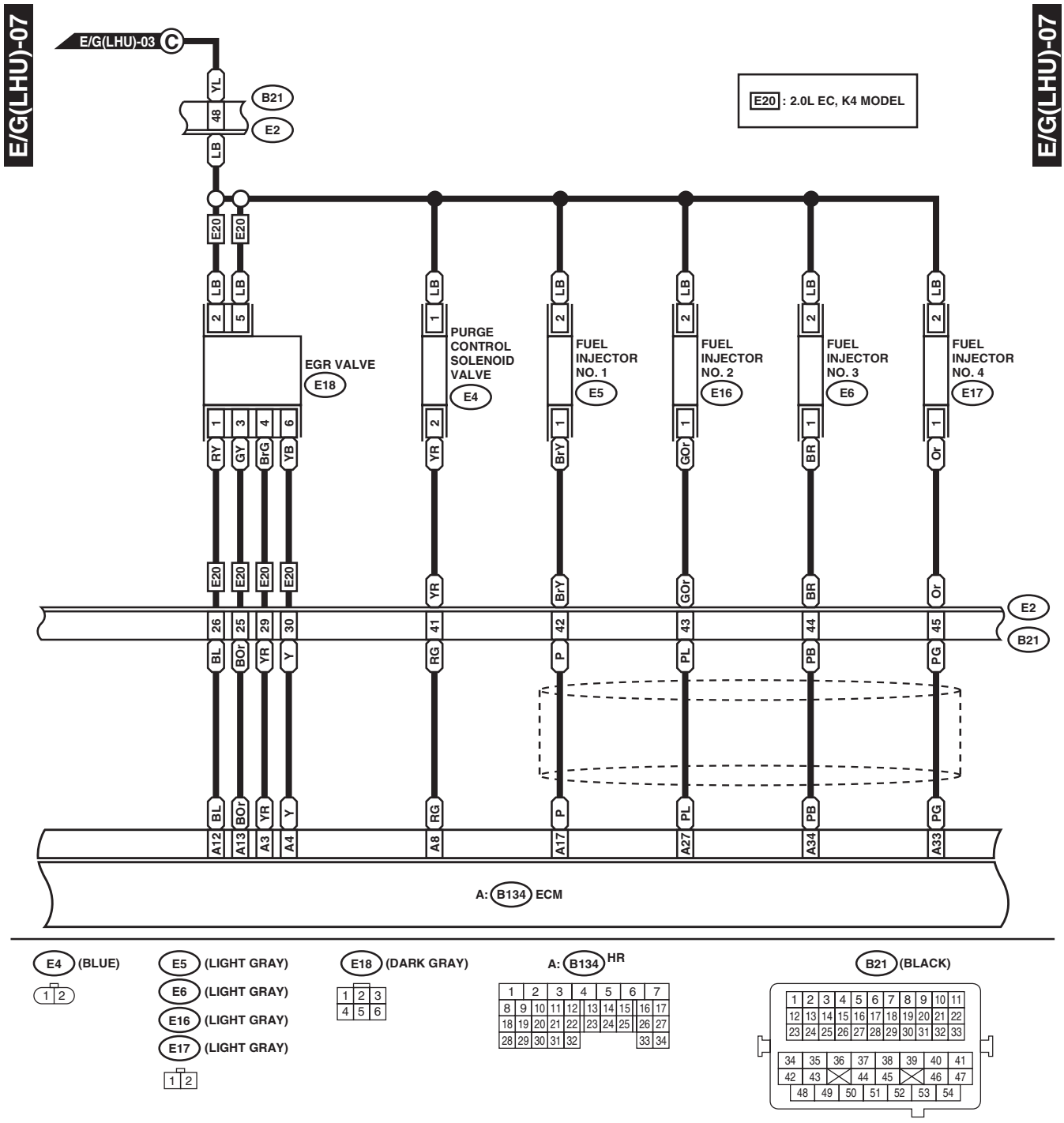

E/G(LHU)-05
E/G(LHU)-03 B
ACCELERATOR PEDAL POSITION SENSOR
TCM
B315
A: B54
REF. TO AT CONTROL SYSTEM [4AT(L)-04]
REAR OXYGEN SENSOR
FRONT OXYGEN (A/F) SENSOR
E24
B19
T5
B21
E2
G E/G(LHU)-08
H E/G(LHU)-06
* : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 1, 2, 5 AND 6
I E/G(LHU)-06
AT
MT
JOINT CONNECTOR C
B138
J E/G(LHU)-08
K E/G(LHU)-08
A: B134 B: B135 C: B136 D: B137 ECM
T5
E24 (GRAY)
B315 (BLACK)
B138
A: B54 HR
D: B137 HR
B21 (BLACK)
A: B134 HR
B: B135 HR
C: B136 HR

WI-06895


E/G(LHU)-06
E/G(LHU)-06
C: B136 D: B137 ECM
JOINT CONNECTOR C
B138
*3 : WITH IMMOBILIZER : C26
WITHOUT IMMOBILIZER : C27
*4 : WITH IMMOBILIZER : C27
WITHOUT IMMOBILIZER : C26
*5 : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 3, 4, 7 AND 8
E/G(LHU)-05 H
E/G(LHU)-08 L
E/G(LHU)-08 M
E/G(LHU)-08 N
E/G(LHU)-05 I
E/G(LHU)-09 O
E/G(LHU)-09 P
B20
B21
E1
E2
E15
E10
E14
E78
CAMSHAFT POSITION SENSOR
CRANKSHAFT POSITION SENSOR
KNOCK SENSOR
ELECTRONIC THROTTLE CONTROL

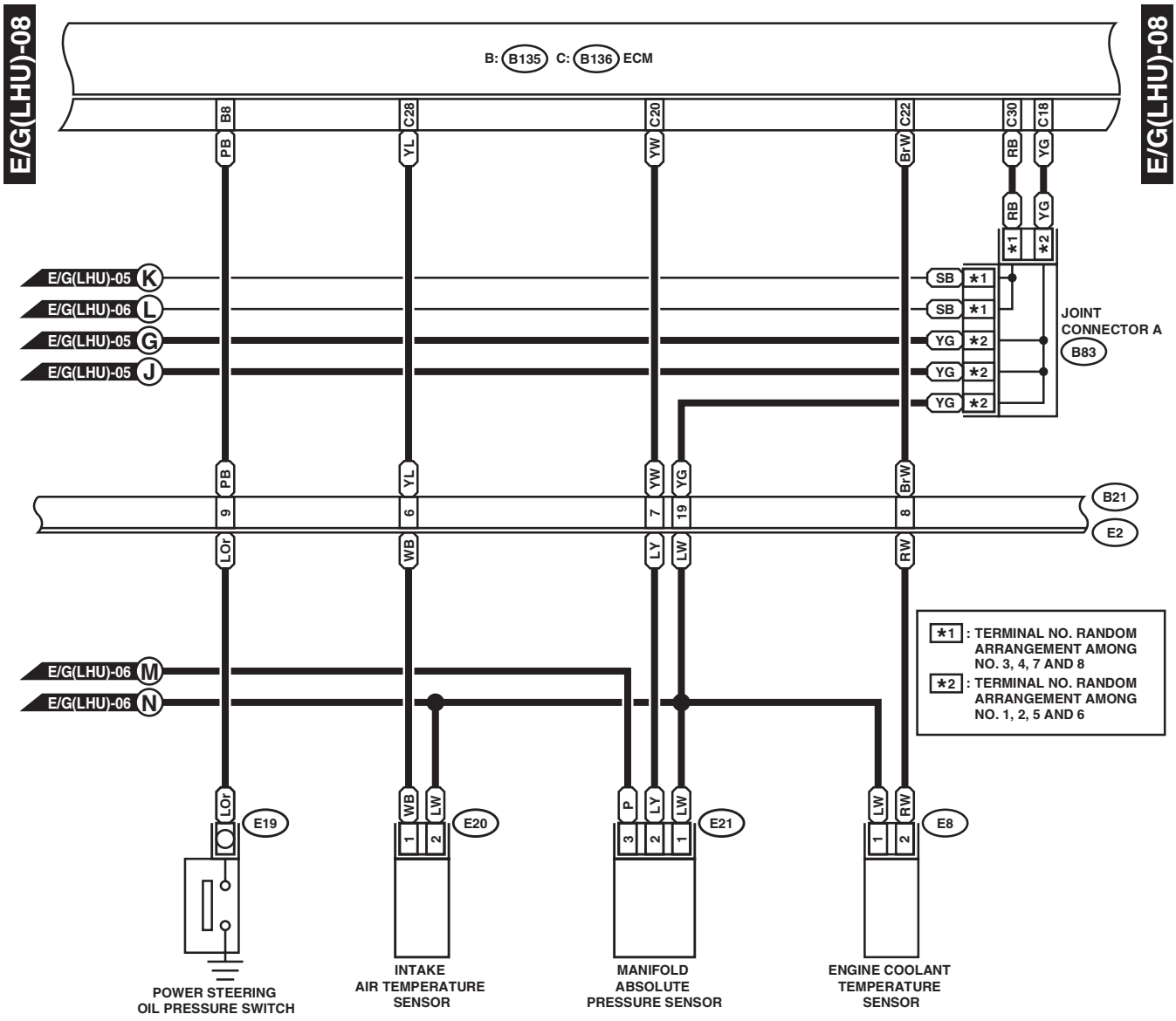

E10 (LIGHT GRAY)
E14 (BROWN)
E78 (BLACK)
B138
B20 (BROWN)
D: B137 HR
E15 (GRAY)
C: B136 HR
B21 (BLACK)

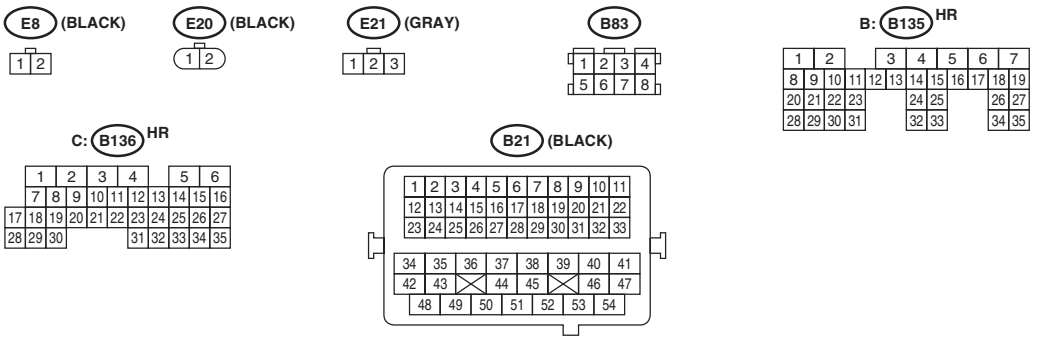
WI-07491


E/G(LHU)-07
E/G(LHU)-03 C
YL
48
B21
E2
LB
E20 : 2.0L EC, K4 MODEL
E20
LB
2
5
EGR VALVE
E18
1
3
4
6
RY
GY
BrG
YB
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
YR
BrY
GOr
BR
Or
26
25
29
30
41
42
43
44
45
BL
BOr
YR
Y
RG
P
PL
PB
PG
A12
A13
A3
A4
A8
A17
A27
A34
A33
A: B134 ECM

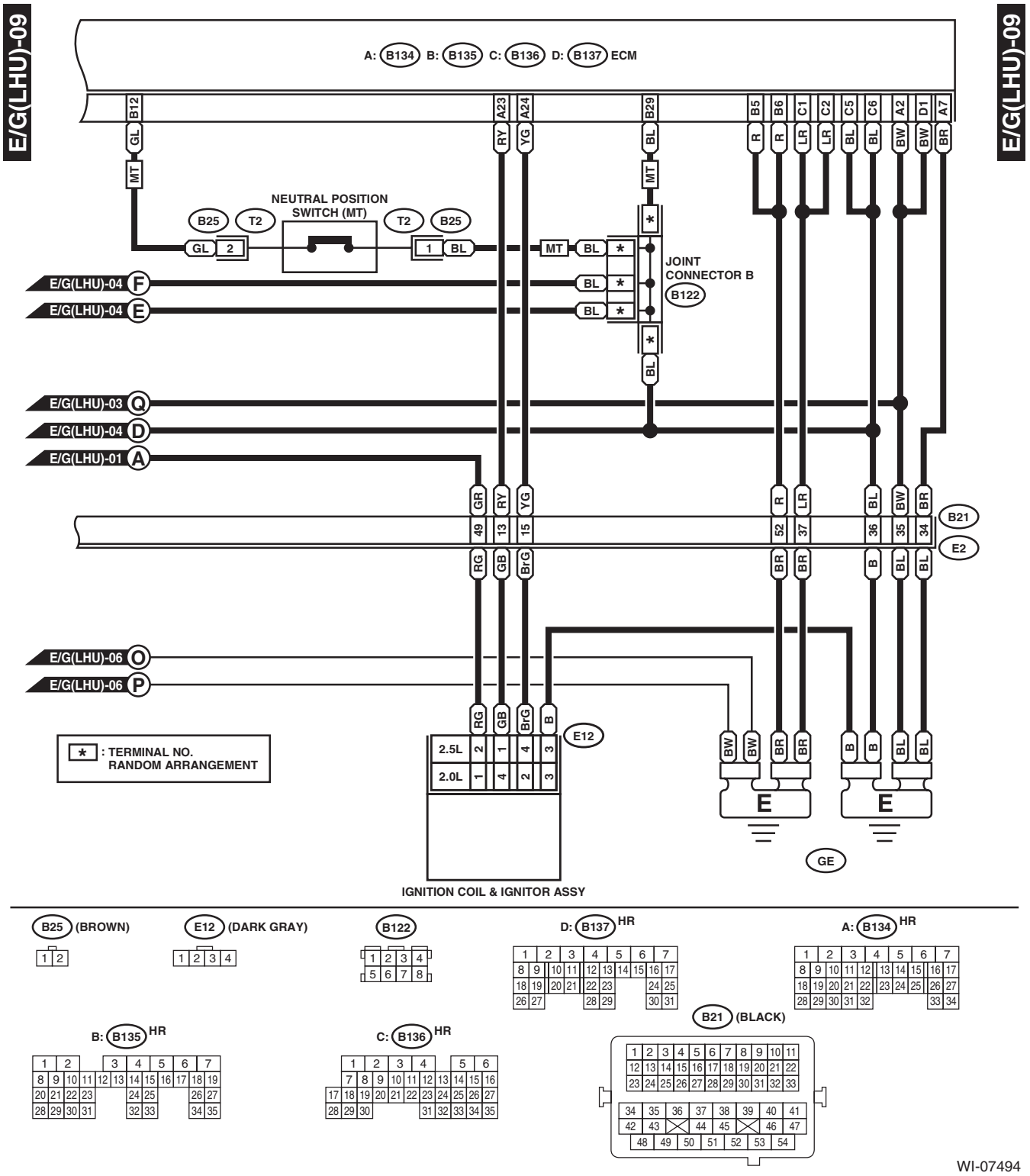
E4 (BLUE)
E5 (LIGHT GRAY)
E6 (LIGHT GRAY)
E16 (LIGHT GRAY)
E17 (LIGHT GRAY)
E18 (DARK GRAY)
A: B134 HR
B21 (BLACK)

WI-07492

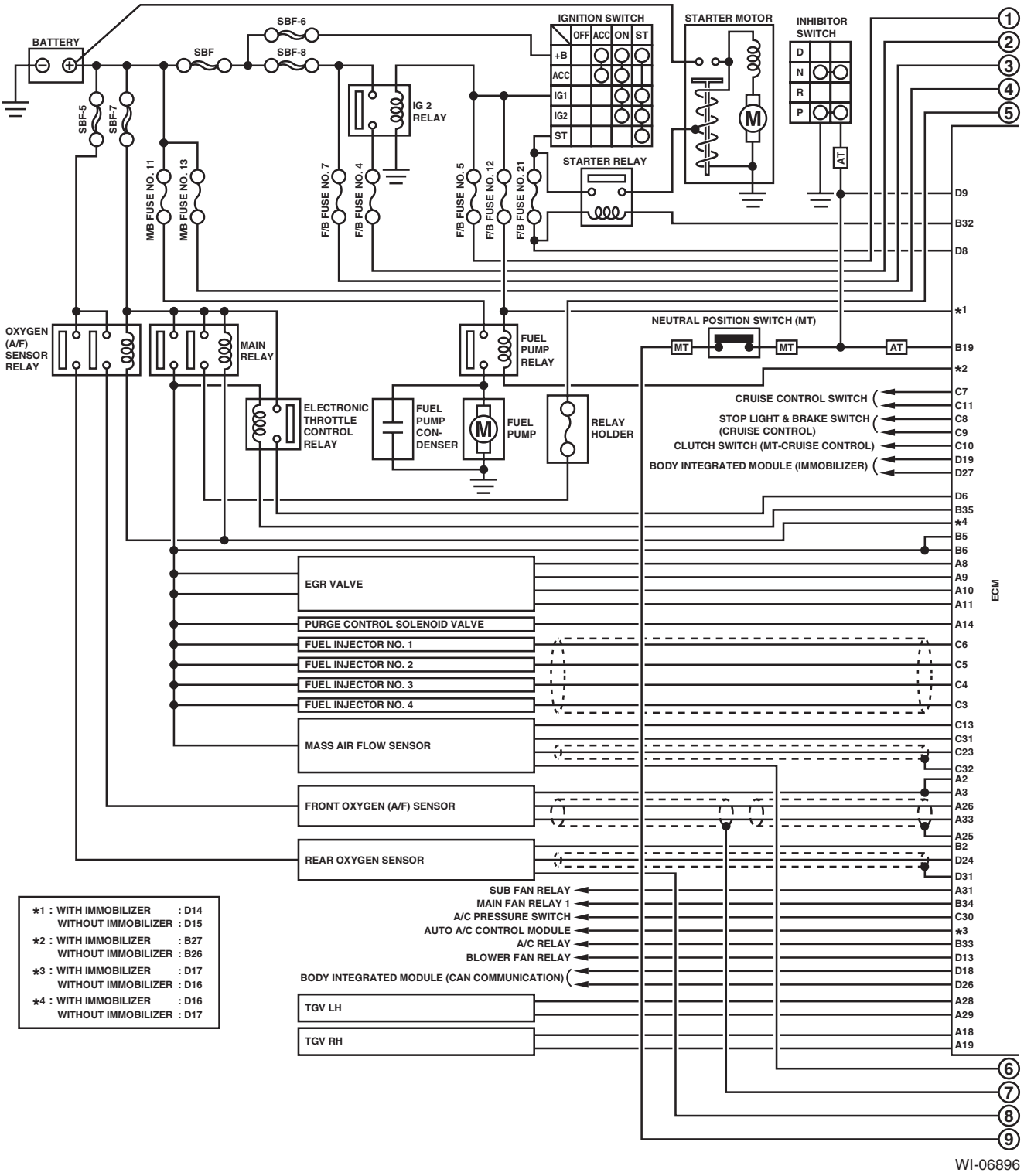

E/G(LHU)-08
E/G(LHU)-08
B: B135 C: B136 ECM
B8
C28
C20
C22
C30
C18
PB
YL
YW
BrW
RB
YG
E/G(LHU)-05 K
E/G(LHU)-06 L
E/G(LHU)-05 G
E/G(LHU)-05 J
SB *1
SB *1
YG *2
YG *2
YG *2
JOINT CONNECTOR A
B83
9
6
7
19
8
B21
E2
LOr
WB
LY
LW
RW
E/G(LHU)-06 M
E/G(LHU)-06 N
*1 : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 3, 4, 7 AND 8
*2 : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 1, 2, 5 AND 6
E19
E20
E21
E8
P
POWER STEERING OIL PRESSURE SWITCH
INTAKE AIR TEMPERATURE SENSOR
MANIFOLD ABSOLUTE PRESSURE SENSOR
ENGINE COOLANT TEMPERATURE SENSOR


E8 (BLACK)
E20 (BLACK)
E21 (GRAY)
B83
B: B135 HR
C: B136 HR
B21 (BLACK)

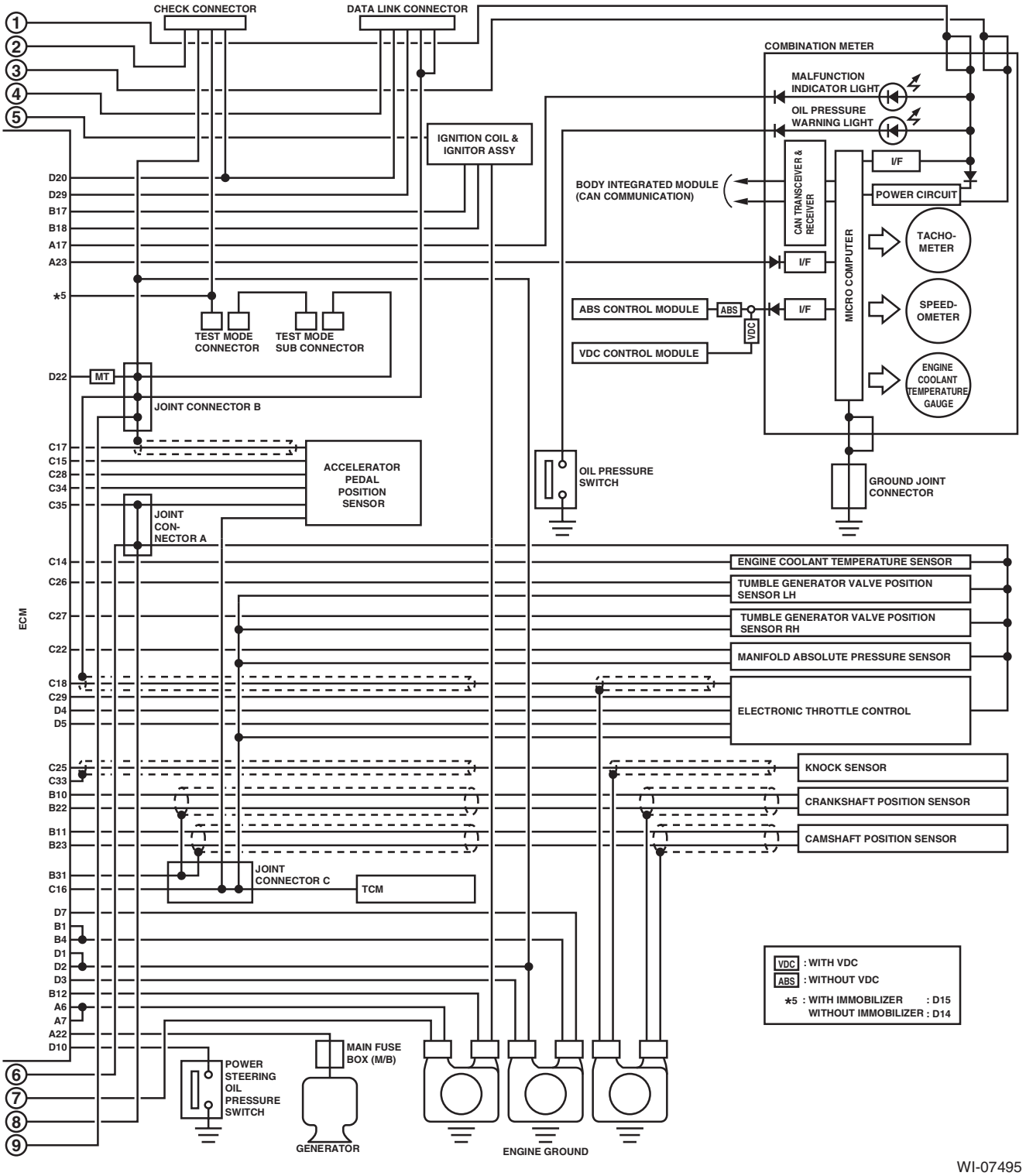
WI-07493

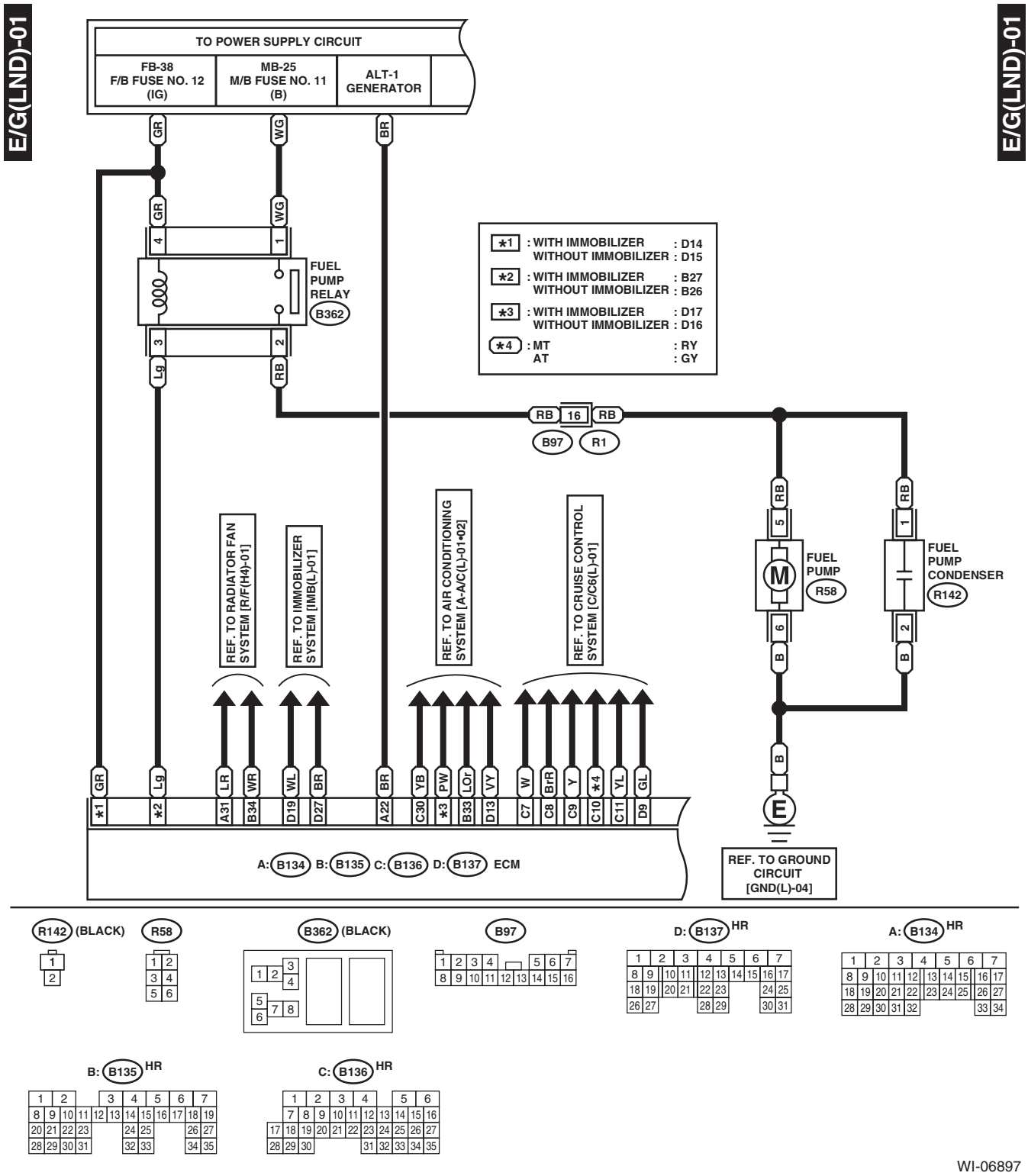

E/G(LHU)-09
E/G(LHU)-09
A: B134 B: B135 C: B136 D: B137 ECM
B12
A23
A24
B29
B5
B6
C1
C2
C5
C6
A2
D1
A7
GL
RY
YG
BL
R
R
LR
LR
BL
BL
BW
BW
BR
MT
MT
NEUTRAL POSITION SWITCH (MT)
B25
T2
T2
B25
GL
2
1
BL
MT
BL
JOINT CONNECTOR B
B122
E/G(LHU)-04 F
E/G(LHU)-04 E
E/G(LHU)-03 Q
E/G(LHU)-04 D
E/G(LHU)-01 A
GR
RY
YG
R
LR
BL
BW
BR
49
13
15
52
37
36
35
34
B21
E2
RG
GB
BrG
BR
BR
B
BL
BL
E/G(LHU)-06 O
E/G(LHU)-06 P
* : TERMINAL NO.
RANDOM ARRANGEMENT
RG
GB
BrG
B
E12
2.5L
2.0L
BW
BW
BR
BR
B
B
BL
BL
E
E
GE
IGNITION COIL & IGNITOR ASSY
B25 (BROWN)
E12 (DARK GRAY)
B122
D: B137 HR
A: B134 HR
B21 (BLACK)
B: B135 HR
C: B136 HR
WI-07494

2. LHD 2.5 L EC, K4 MODEL



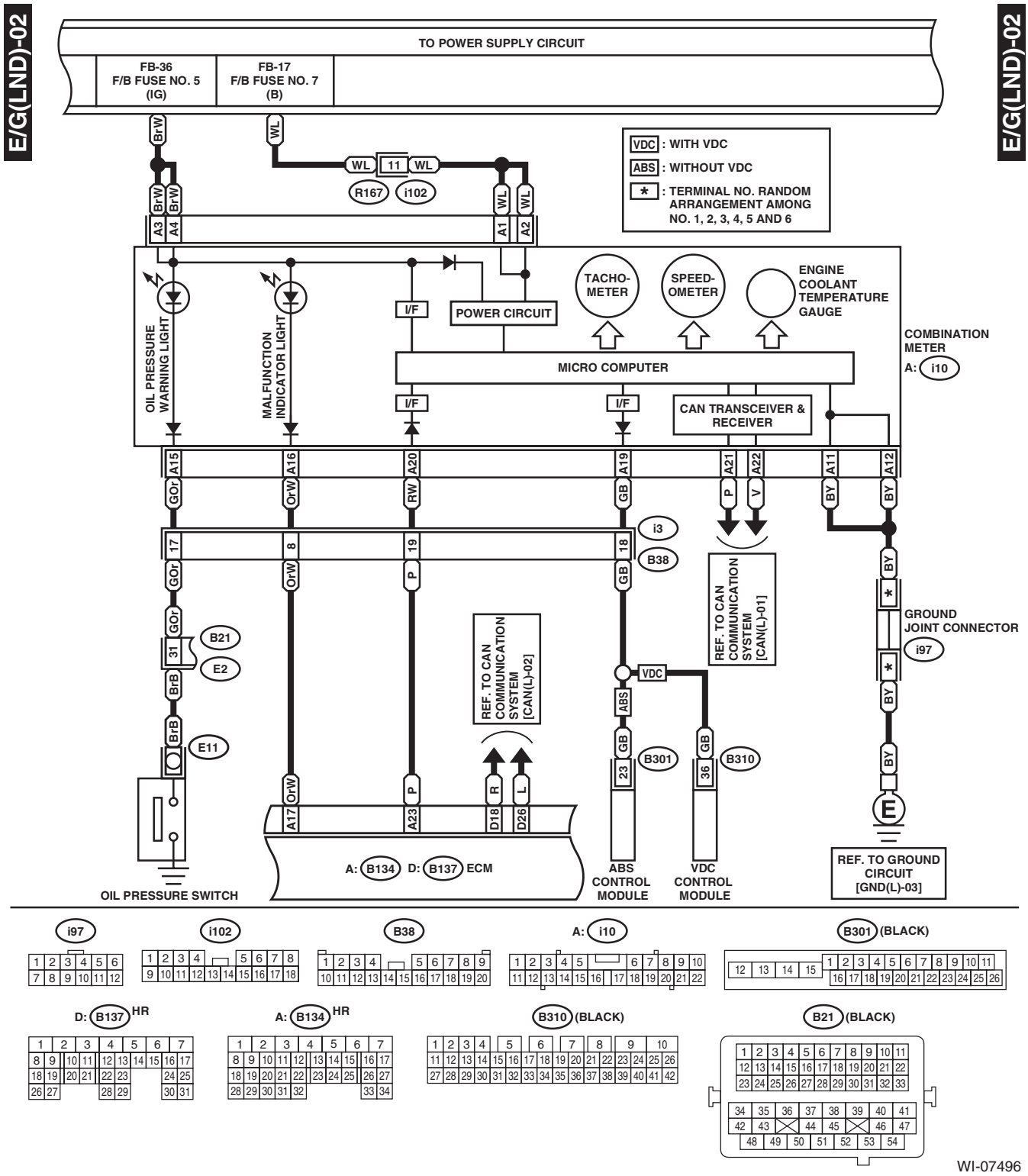
WI-06896


CHECK CONNECTOR
DATA LINK CONNECTOR
COMBINATION METER
MALFUNCTION INDICATOR LIGHT
OIL PRESSURE WARNING LIGHT
IGNITION COIL & IGNITOR ASSY
BODY INTEGRATED MODULE (CAN COMMUNICATION)
CAN TRANSCEIVER & RECEIVER
I/F
POWER CIRCUIT
MICRO COMPUTER
TACHO-METER
SPEED-OMETER
ENGINE COOLANT TEMPERATURE GAUGE
ABS CONTROL MODULE
ABS
VDC
VDC CONTROL MODULE
TEST MODE CONNECTOR
TEST MODE SUB CONNECTOR
MT
JOINT CONNECTOR B
ACCELERATOR PEDAL POSITION SENSOR
JOINT CON-NECTOR A
OIL PRESSURE SWITCH
GROUND JOINT CONNECTOR
ECM
ENGINE COOLANT TEMPERATURE SENSOR
TUMBLE GENERATOR VALVE POSITION SENSOR LH
TUMBLE GENERATOR VALVE POSITION SENSOR RH
MANIFOLD ABSOLUTE PRESSURE SENSOR
ELECTRONIC THROTTLE CONTROL
KNOCK SENSOR
CRANKSHAFT POSITION SENSOR
CAMSHAFT POSITION SENSOR
JOINT CONNECTOR C
TCM
MAIN FUSE BOX (M/B)
POWER STEERING OIL PRESSURE SWITCH
GENERATOR
ENGINE GROUND
VDC : WITH VDC
ABS : WITHOUT VDC
*5 : WITH IMMOBILIZER : D15
WITHOUT IMMOBILIZER : D14
WI-07495

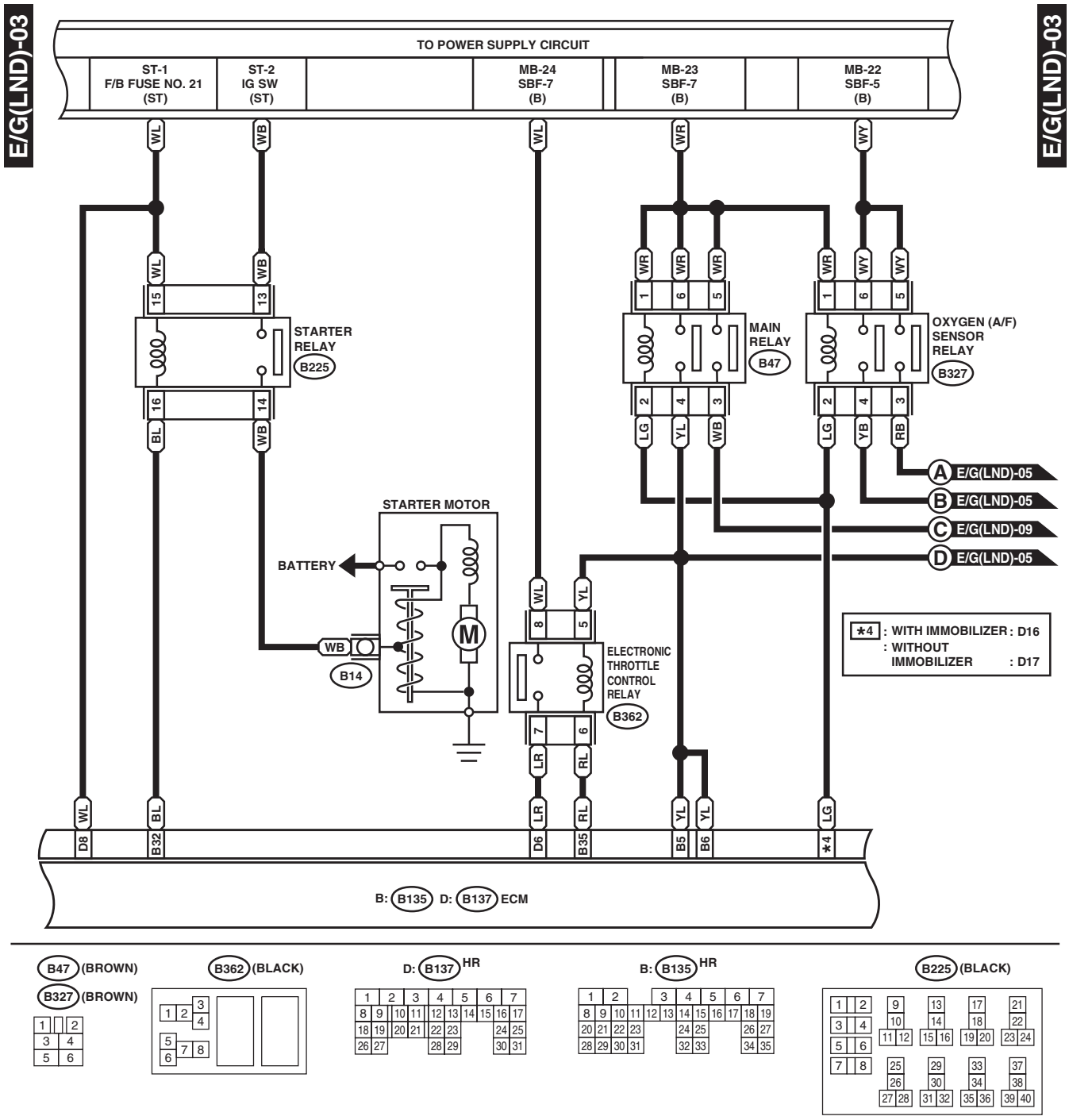

E/G(LND)-01
E/G(LND)-01
TO POWER SUPPLY CIRCUIT
FB-38 F/B FUSE NO. 12 (IG)
MB-25 M/B FUSE NO. 11 (B)
ALT-1 GENERATOR
FUEL PUMP RELAY
B362
*1 : WITH IMMOBILIZER : D14
WITHOUT IMMOBILIZER : D15
*2 : WITH IMMOBILIZER : B27
WITHOUT IMMOBILIZER : B26
*3 : WITH IMMOBILIZER : D17
WITHOUT IMMOBILIZER : D16
*4 : MT : RY
AT : GY
B97
R1
FUEL PUMP
R58
FUEL PUMP CONDENSER
R142
REF. TO RADIATOR FAN SYSTEM [R/F(H4)-01]
REF. TO IMMOBILIZER SYSTEM [IMB(L)-01]
REF. TO AIR CONDITIONING SYSTEM [A-A/C(L)-01•02]
REF. TO CRUISE CONTROL SYSTEM [C/C6(L)-01]
A: B134 B: B135 C: B136 D: B137 ECM
REF. TO GROUND CIRCUIT [GND(L)-04]
R142 (BLACK)
R58
B362 (BLACK)
B97
D: B137 HR
A: B134 HR
B: B135 HR
C: B136 HR

WI-06897

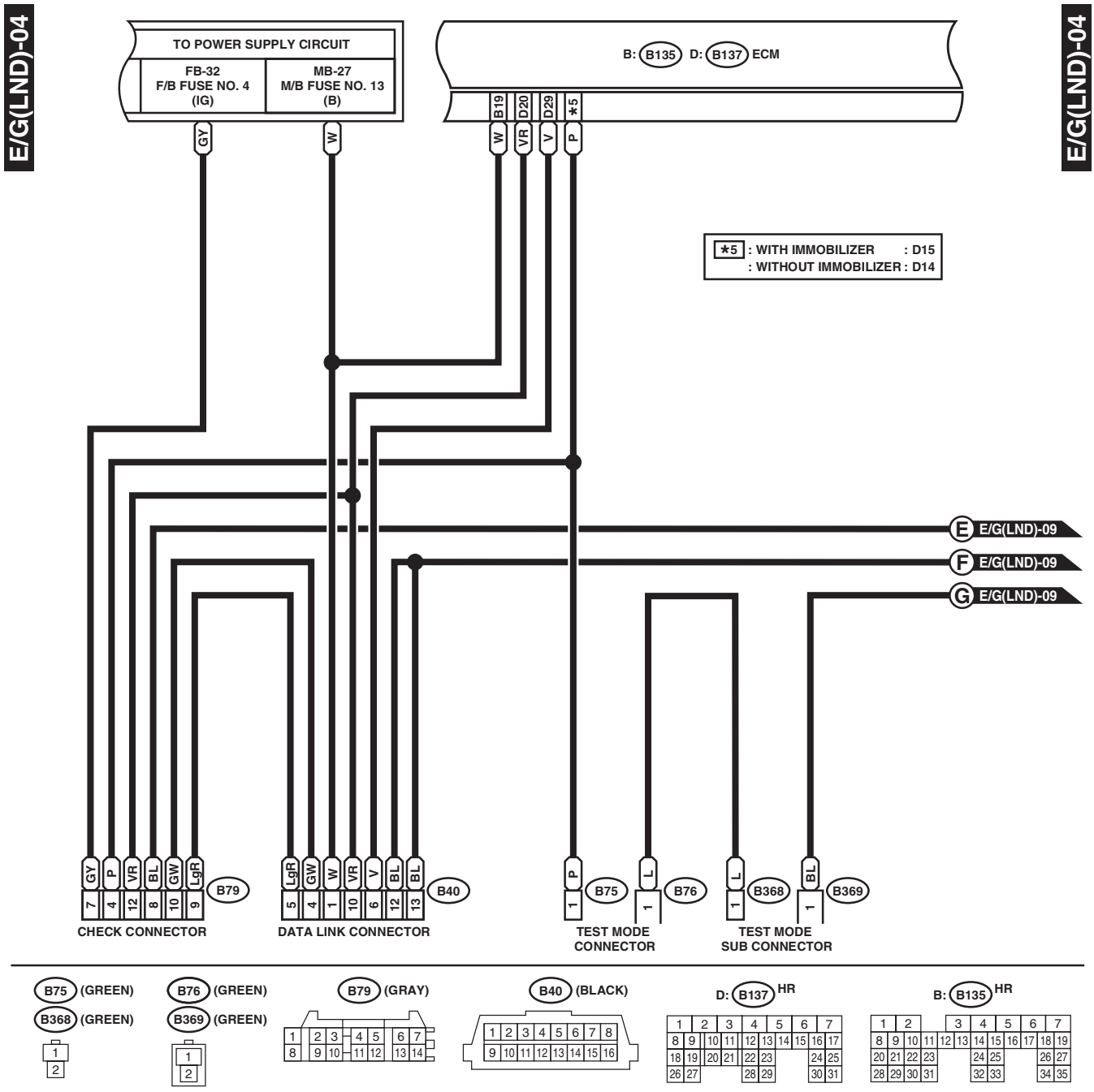
E/G(LND)-02



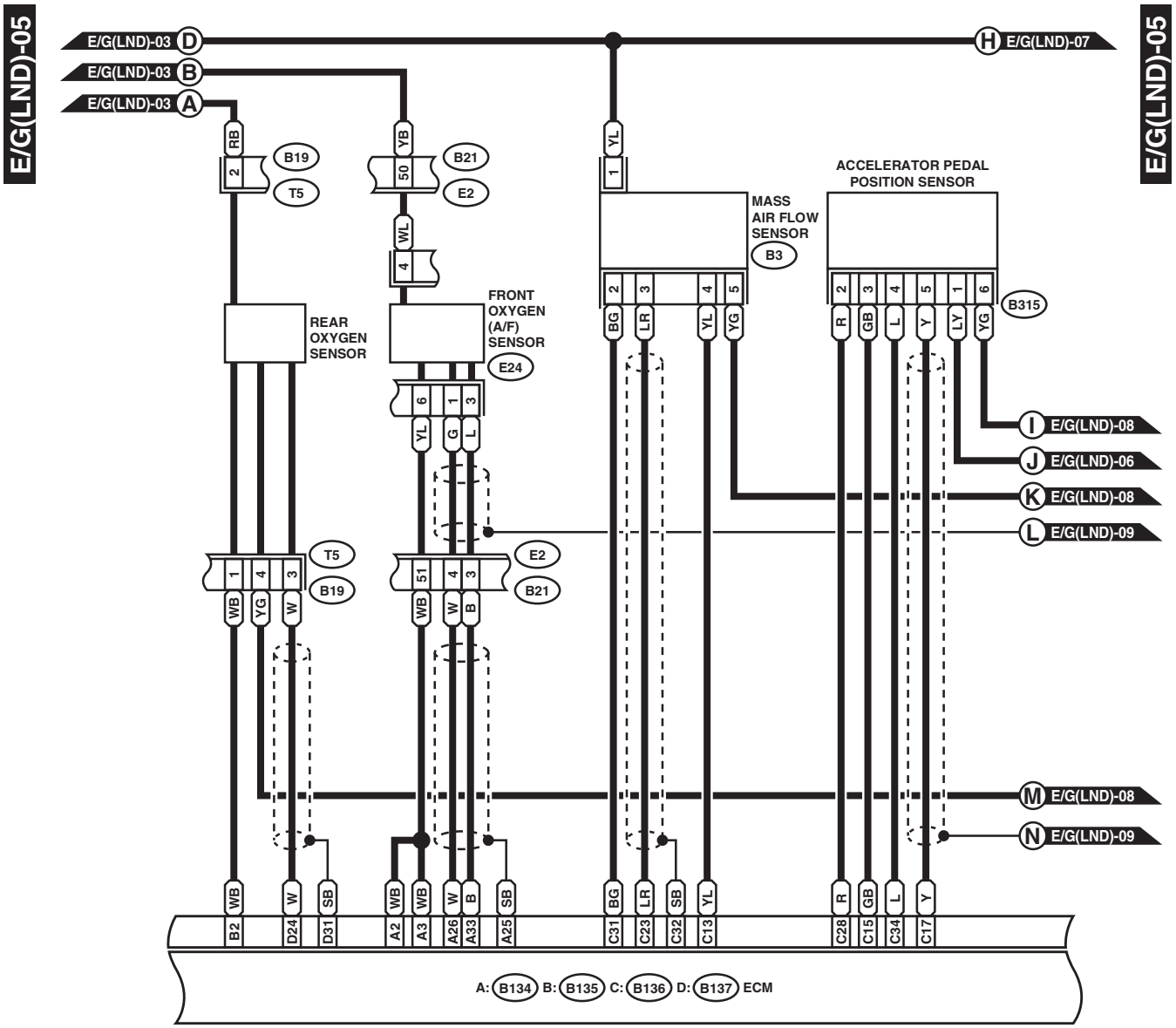
E/G(LND)-02

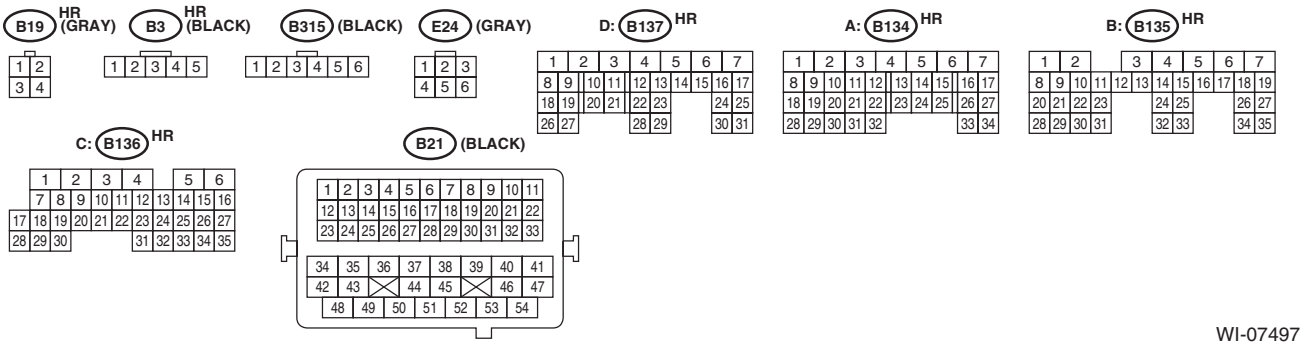

E/G(LND)-03
E/G(LND)-03
TO POWER SUPPLY CIRCUIT
ST-1
F/B FUSE NO. 21
(ST)
ST-2
IG SW
(ST)
MB-24
SBF-7
(B)
MB-23
SBF-7
(B)
MB-22
SBF-5
(B)
STARTER
RELAY
B225
MAIN
RELAY
B47
OXYGEN (A/F)
SENSOR
RELAY
B327
STARTER MOTOR
BATTERY
B14
ELECTRONIC
THROTTLE
CONTROL
RELAY
B362
A E/G(LND)-05
B E/G(LND)-05
C E/G(LND)-09
D E/G(LND)-05
*4 : WITH IMMOBILIZER : D16
: WITHOUT
IMMOBILIZER : D17
B: B135 D: B137 ECM
B47 (BROWN)
B327 (BROWN)
B362 (BLACK)
D: B137 HR
B: B135 HR
B225 (BLACK)

WI-06898

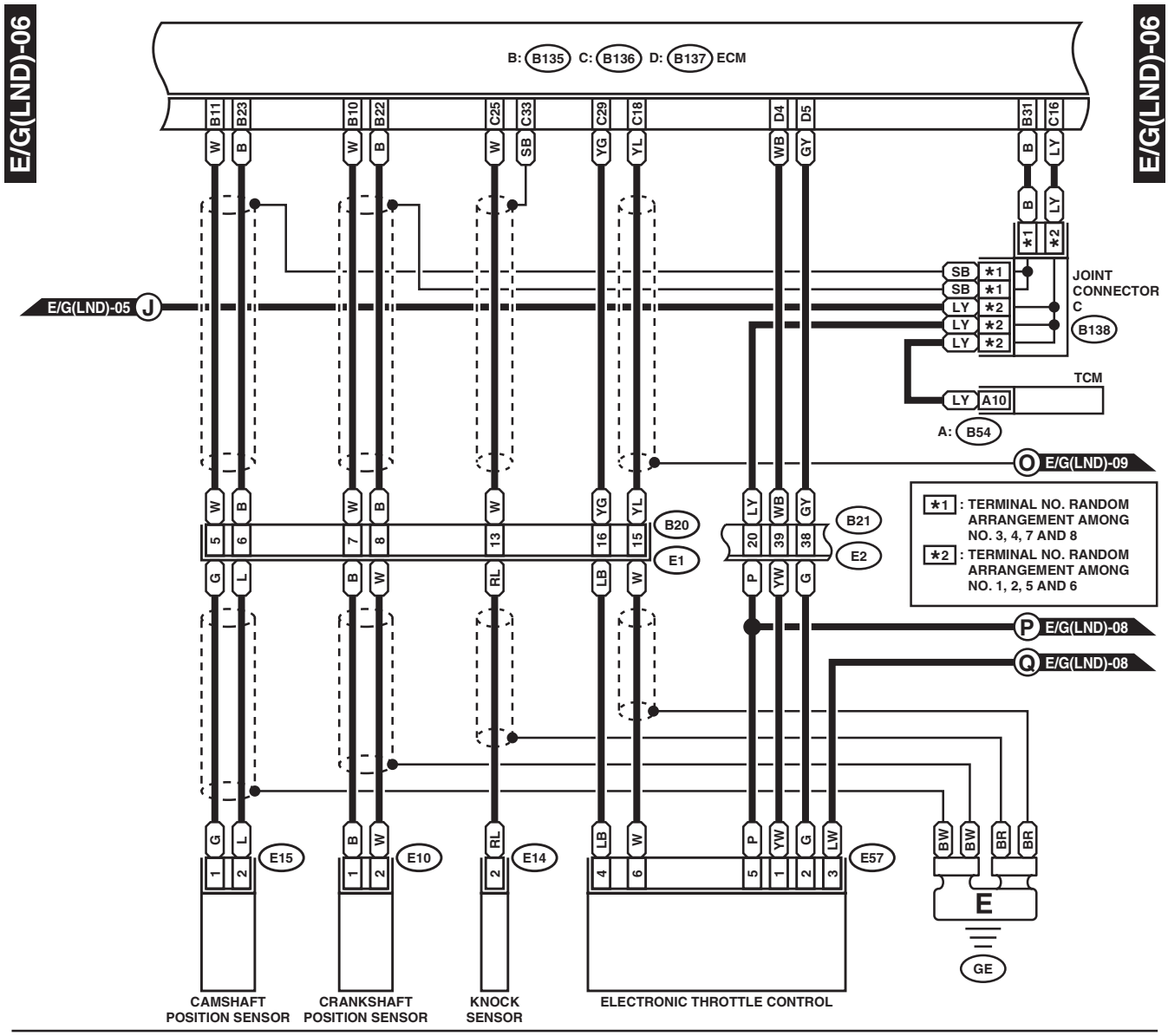

E/G(LND)-04
E/G(LND)-04
TO POWER SUPPLY CIRCUIT
FB-32
F/B FUSE NO. 4
(IG)
MB-27
M/B FUSE NO. 13
(B)
B: B135 D: B137 ECM
B19
D20
D29
*5
GY
W
W
VR
V
P
*5 : WITH IMMOBILIZER : D15
: WITHOUT IMMOBILIZER : D14
E E/G(LND)-09
F E/G(LND)-09
G E/G(LND)-09
GY P VR BL GW LgR
7 4 12 8 10 9
B79
CHECK CONNECTOR
LgR GW W VR V BL BL
5 4 1 10 6 12 13
B40
DATA LINK CONNECTOR
P
1
B75
L
1
B76
TEST MODE
CONNECTOR
L
1
B368
BL
1
B369
TEST MODE
SUB CONNECTOR
B75 (GREEN)
B368 (GREEN)
B76 (GREEN)
B369 (GREEN)
B79 (GRAY)
B40 (BLACK)
D: B137 HR
B: B135 HR

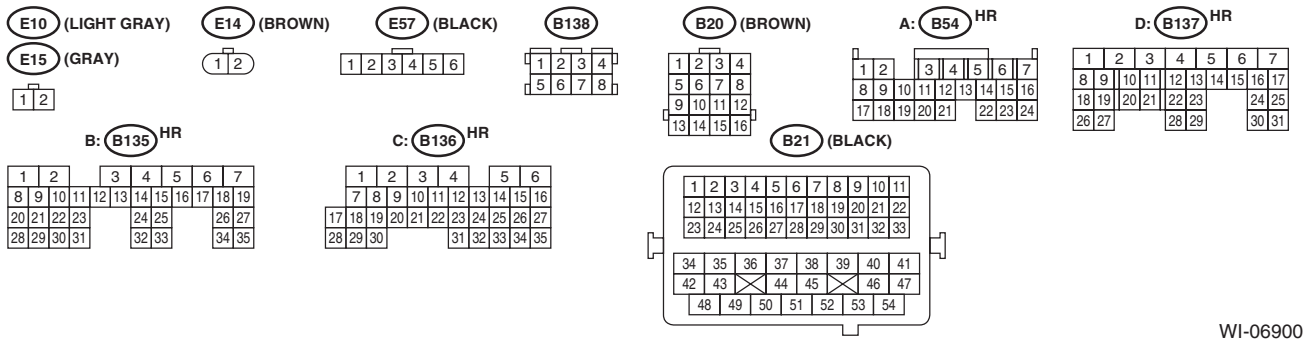
WI-06899


E/G(LND)-05
E/G(LND)-03 D
E/G(LND)-03 B
E/G(LND)-03 A
H E/G(LND)-07
B19
T5
B21
E2
ACCELERATOR PEDAL POSITION SENSOR
MASS AIR FLOW SENSOR
B3
B315
REAR OXYGEN SENSOR
FRONT OXYGEN (A/F) SENSOR
E24
I E/G(LND)-08
J E/G(LND)-06
K E/G(LND)-08
L E/G(LND)-09
M E/G(LND)-08
N E/G(LND)-09
A: B134 B: B135 C: B136 D: B137 ECM

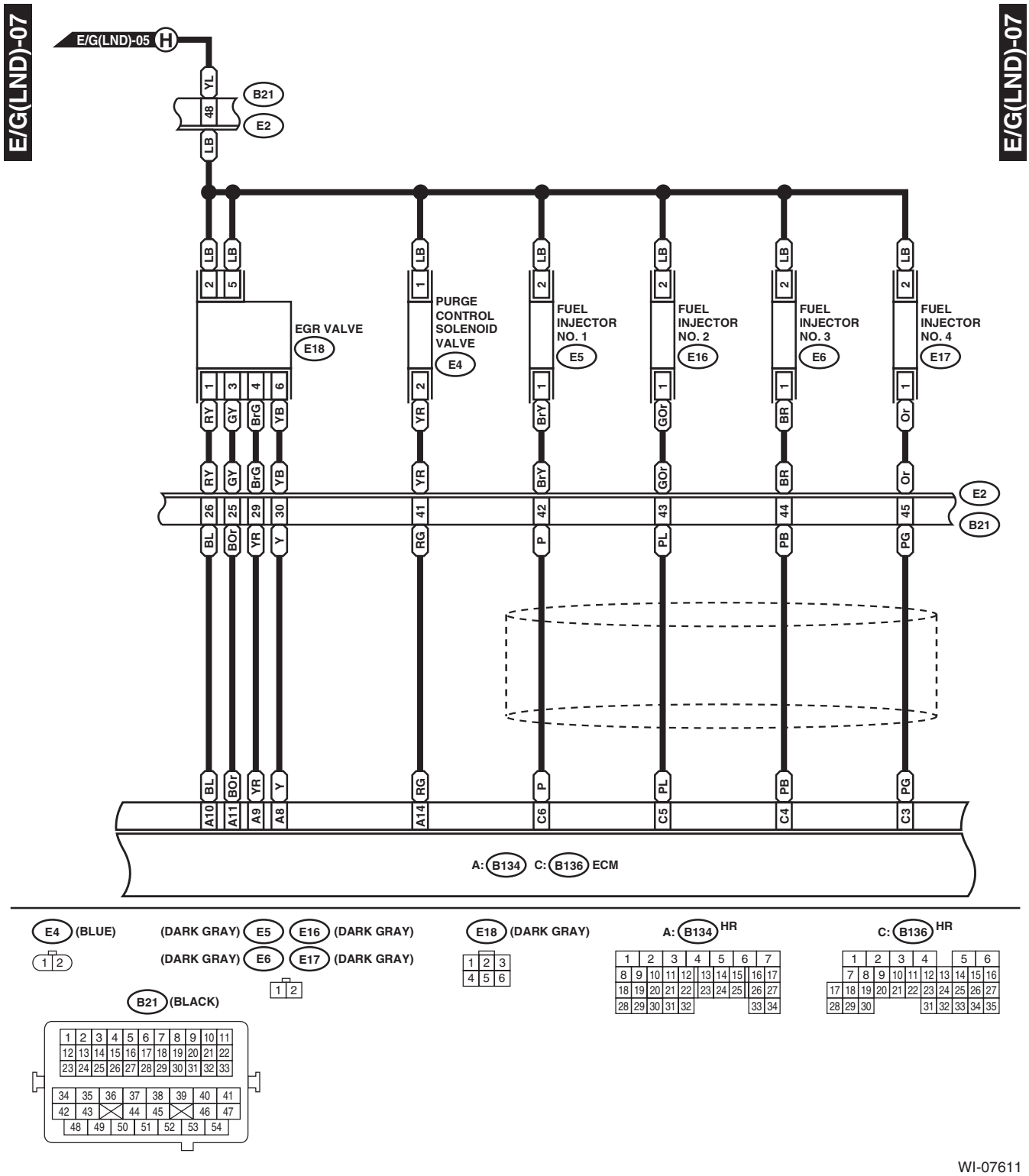

B19 HR (GRAY)
B3 HR (BLACK)
B315 (BLACK)
E24 (GRAY)
D: B137 HR
A: B134 HR
B: B135 HR
C: B136 HR
B21 (BLACK)

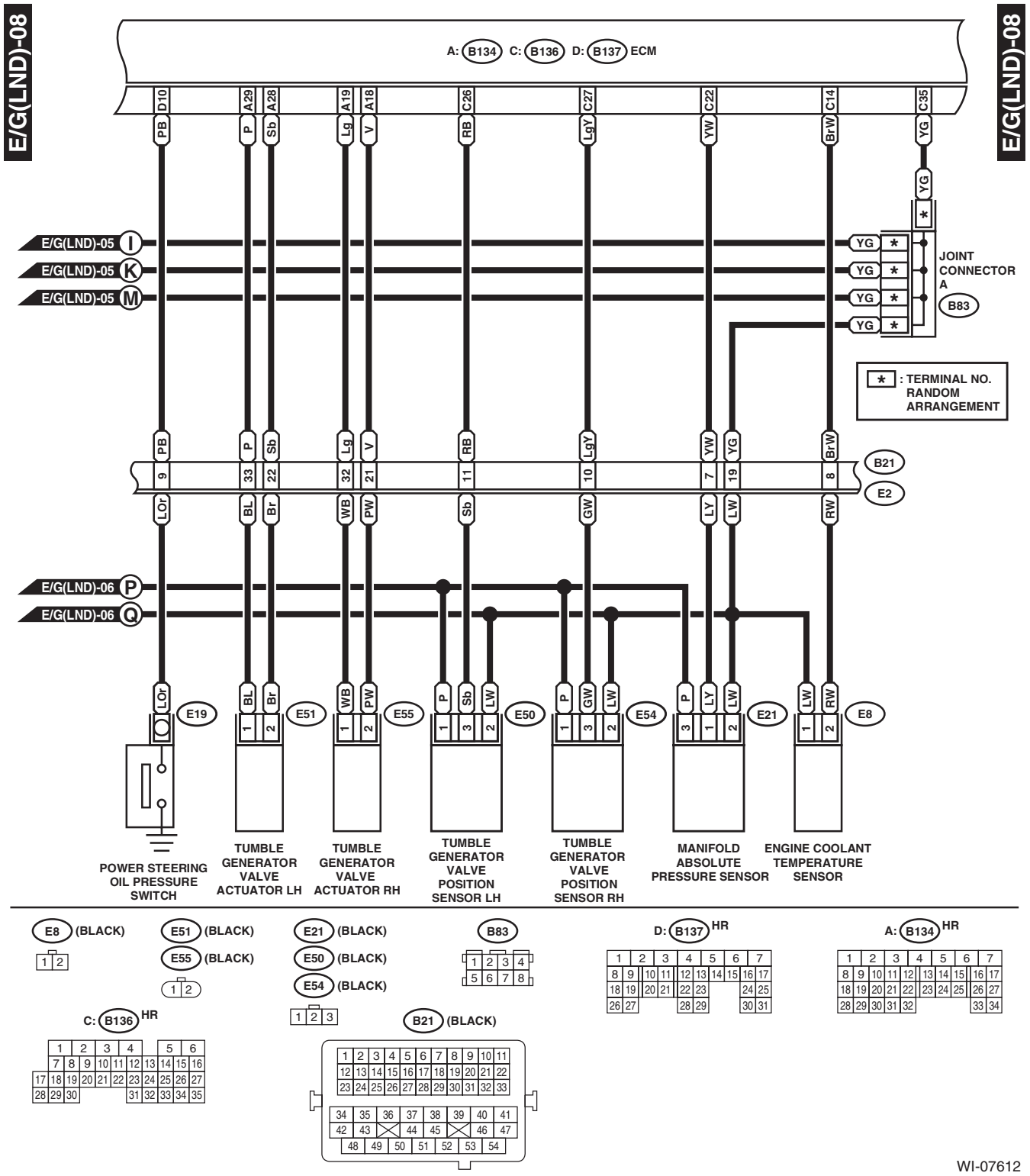
WI-07497

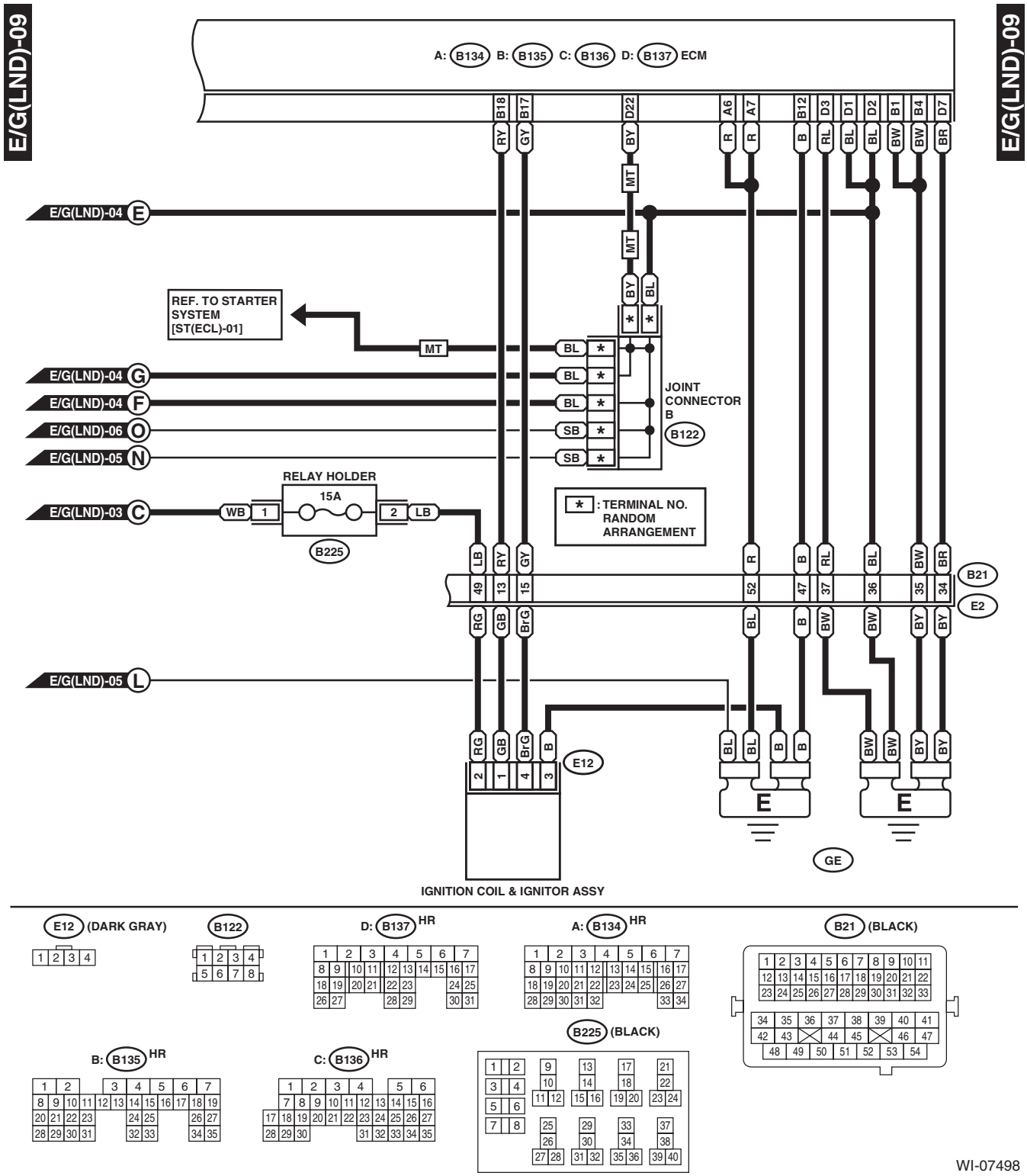

E/G(LND)-06
E/G(LND)-06
B: B135 C: B136 D: B137 ECM
B11 B23 B10 B22 C25 C33 C29 C18 D4 D5 B31 C16
W B W B W SB YG YL WB GY B LY
B LY
*1 *2
SB *1
SB *1
LY *2
LY *2
LY *2
JOINT CONNECTOR C
B138
TCM
LY A10
A: B54
E/G(LND)-05 J
O E/G(LND)-09
W B W B W YG YL LY WB GY
5 6 7 8 13 16 15 20 39 38
B20
E1
B21
E2
*1 : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 3, 4, 7 AND 8
*2 : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 1, 2, 5 AND 6
G L B W RL LB W P YW G LW BW BW BR BR
P E/G(LND)-08
Q E/G(LND)-08
1 2 E15
1 2 E10
2 E14
4 6 5 1 2 3 E57
E
GE
CAMSHAFT POSITION SENSOR
CRANKSHAFT POSITION SENSOR
KNOCK SENSOR
ELECTRONIC THROTTLE CONTROL


E10 (LIGHT GRAY)
E15 (GRAY)
E14 (BROWN)
E57 (BLACK)
B138
B20 (BROWN)
A: B54 HR
D: B137 HR
B: B135 HR
C: B136 HR
B21 (BLACK)

WI-06900


E/G(LND)-07
E/G(LND)-05 H
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 C: B136 ECM
E4 (BLUE)
(DARK GRAY) E5 E16 (DARK GRAY)
(DARK GRAY) E6 E17 (DARK GRAY)
E18 (DARK GRAY)
A: B134 HR
C: B136 HR
B21 (BLACK)
WI-07611

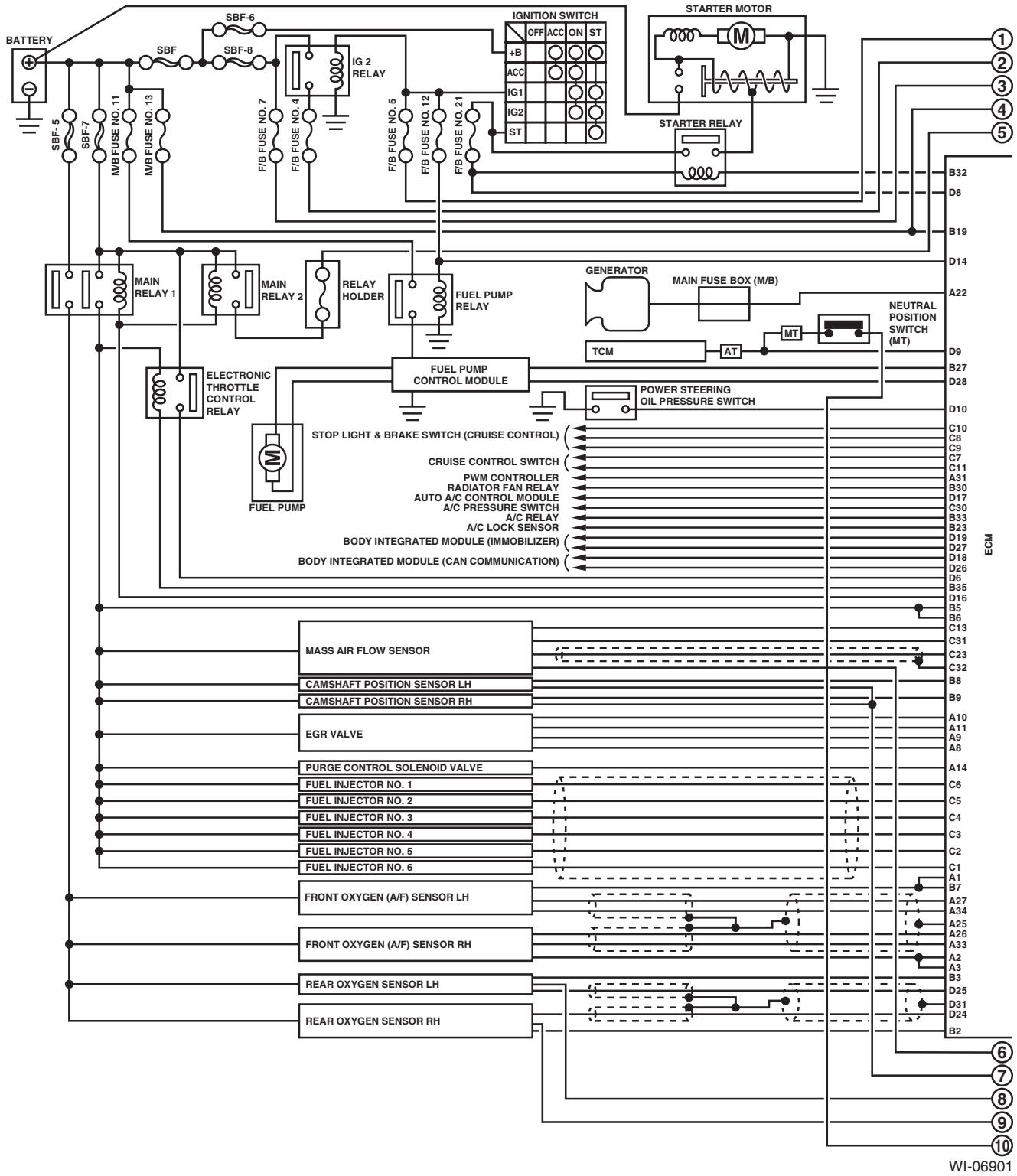

E/G(LND)-08
A: B134 C: B136 D: B137 ECM
D10 A29 A28 A19 A18 C26 C27 C22 C14 C35
PB P Sb Lg V RB LgY YW BrW YG
E/G(LND)-05 I
E/G(LND)-05 K
E/G(LND)-05 M
JOINT CONNECTOR A
B83
* : TERMINAL NO. RANDOM ARRANGEMENT
9 33 22 32 21 11 10 7 19 8
B21
E2
LOr BL Br WB PW Sb GW LY LW RW
E/G(LND)-06 P
E/G(LND)-06 Q
E19 E51 E55 E50 E54 E21 E8
POWER STEERING OIL PRESSURE SWITCH
TUMBLE GENERATOR VALVE ACTUATOR LH
TUMBLE GENERATOR VALVE ACTUATOR RH
TUMBLE GENERATOR VALVE POSITION SENSOR LH
TUMBLE GENERATOR VALVE POSITION SENSOR RH
MANIFOLD ABSOLUTE PRESSURE SENSOR
ENGINE COOLANT TEMPERATURE SENSOR
E8 (BLACK)
E51 (BLACK)
E55 (BLACK)
E21 (BLACK)
E50 (BLACK)
E54 (BLACK)
B83
D: B137 HR
A: B134 HR
C: B136 HR
B21 (BLACK)
WI-07612


E/G(LND)-09
E/G(LND)-09
A: B134 B: B135 C: B136 D: B137 ECM
B18 B17 D22 A6 A7 B12 D3 D1 D2 B1 B4 D7
RY GY BY R R B RL BL BL BW BW BR
MT
E/G(LND)-04 E
REF. TO STARTER SYSTEM [ST(ECL)-01]
MT
E/G(LND)-04 G
E/G(LND)-04 F
E/G(LND)-06 O
E/G(LND)-05 N
JOINT CONNECTOR B
B122
RELAY HOLDER
15A
E/G(LND)-03 C
WB 1 2 LB
B225
* : TERMINAL NO. RANDOM ARRANGEMENT
LB RY GY R B RL BL BW BR
49 13 15 52 47 37 36 35 34
B21
E2
RG GB BrG BL B BW BW BY BY
E/G(LND)-05 L
RG GB BrG B
2 1 4 3
E12
BL BL B B BW BW BY BY
E
E
GE
IGNITION COIL & IGNITOR ASSY

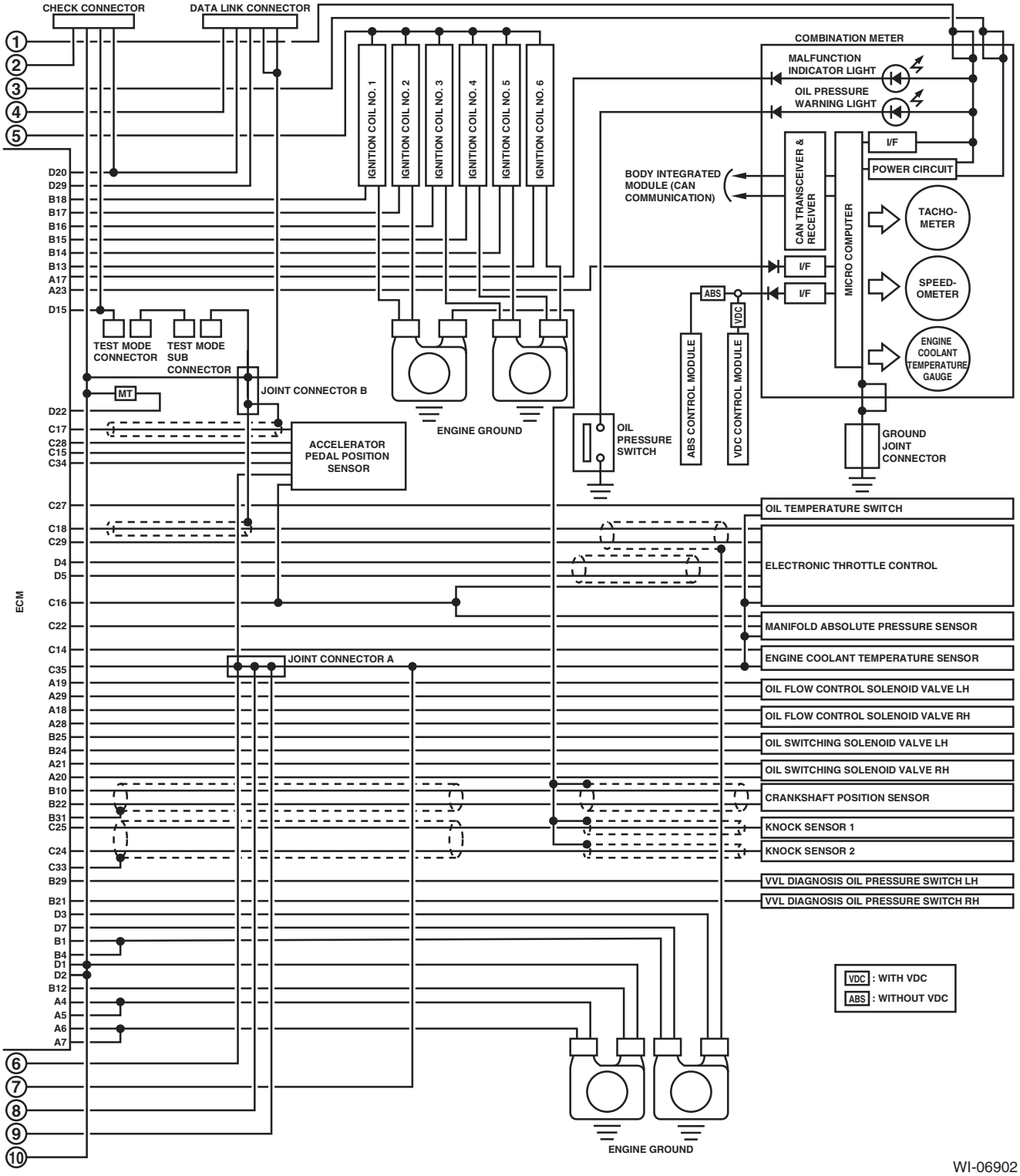
E12 (DARK GRAY)
B122
D: B137 HR
A: B134 HR
B21 (BLACK)
B: B135 HR
C: B136 HR
B225 (BLACK)

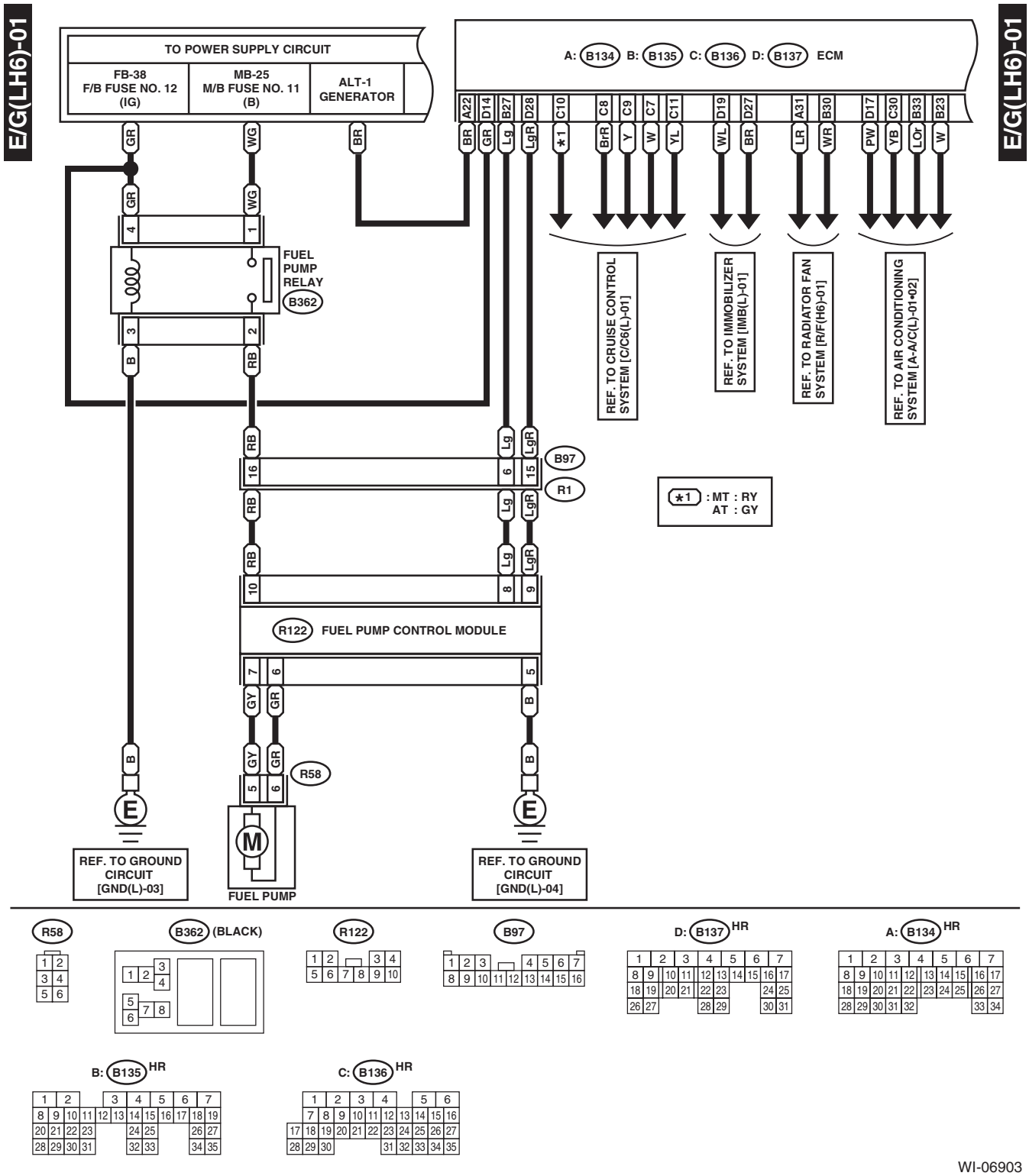
WI-07498

3. LHD 3.0 L MODEL



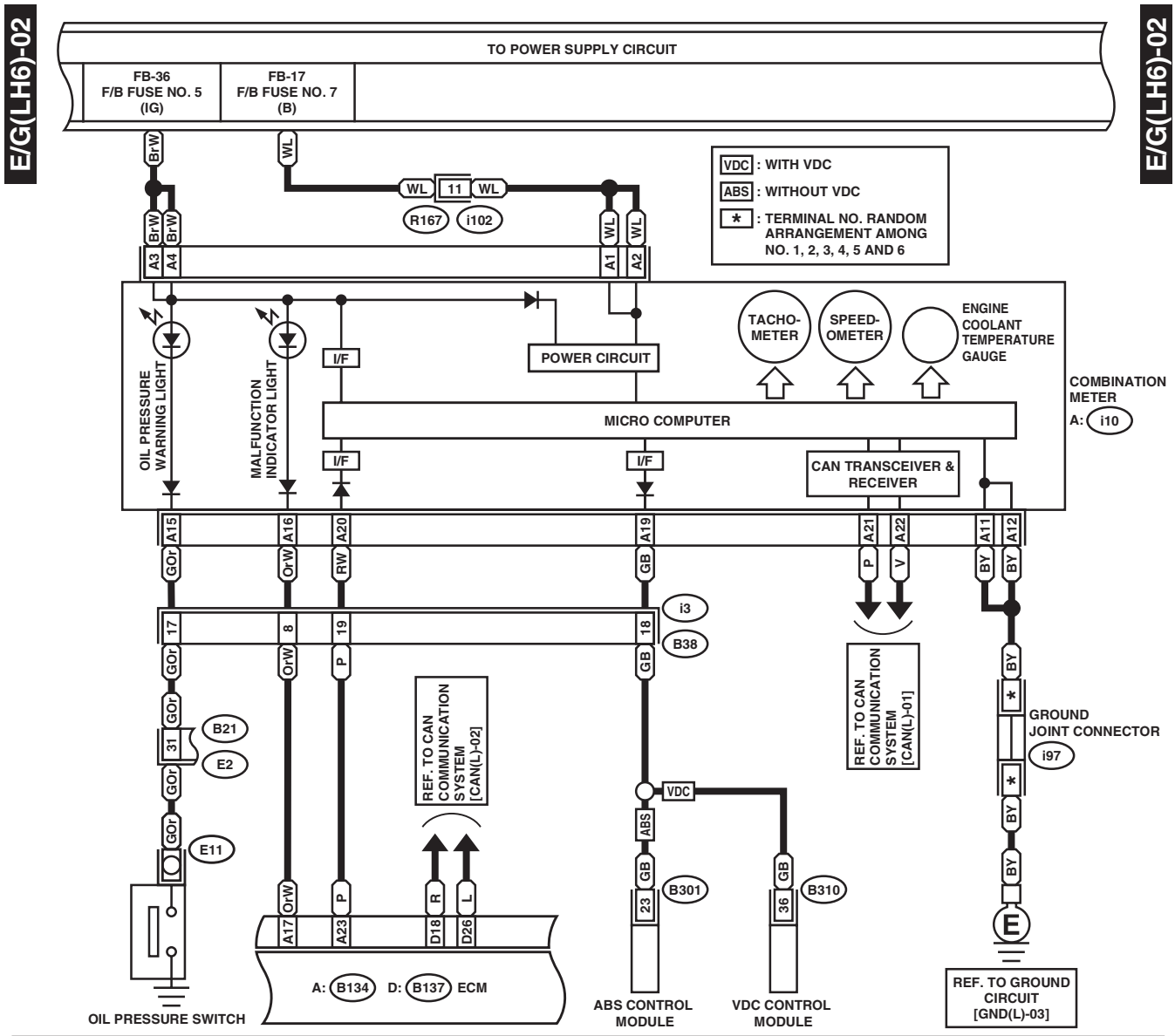
WI-06901

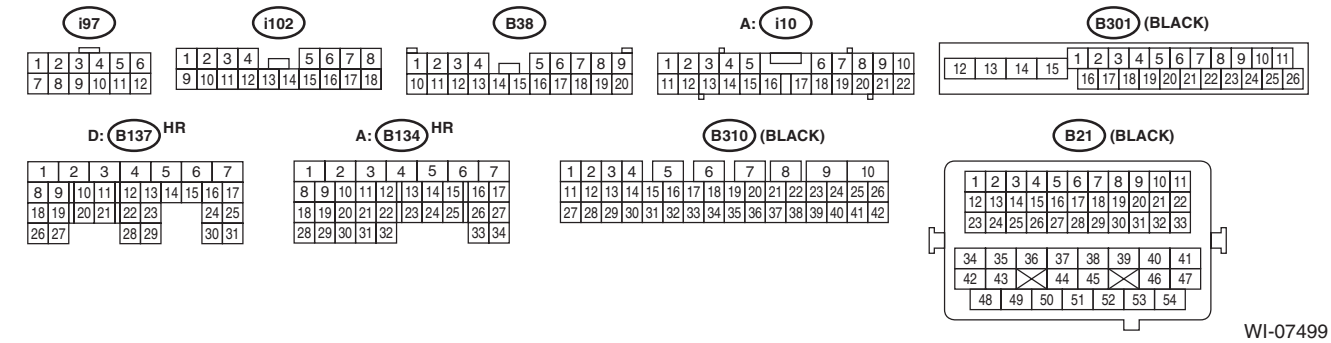

CHECK CONNECTOR
DATA LINK CONNECTOR
IGNITION COIL NO. 1
IGNITION COIL NO. 2
IGNITION COIL NO. 3
IGNITION COIL NO. 4
IGNITION COIL NO. 5
IGNITION COIL NO. 6
COMBINATION METER
MALFUNCTION INDICATOR LIGHT
OIL PRESSURE WARNING LIGHT
I/F
POWER CIRCUIT
BODY INTEGRATED MODULE (CAN COMMUNICATION)
CAN TRANSCEIVER & RECEIVER
MICRO COMPUTER
TACHO-METER
SPEED-OMETER
ENGINE COOLANT TEMPERATURE GAUGE
ABS
VDC
ABS CONTROL MODULE
VDC CONTROL MODULE
TEST MODE CONNECTOR
TEST MODE SUB CONNECTOR
MT
JOINT CONNECTOR B
ENGINE GROUND
OIL PRESSURE SWITCH
GROUND JOINT CONNECTOR
ACCELERATOR PEDAL POSITION SENSOR
JOINT CONNECTOR A
ECM
OIL TEMPERATURE SWITCH
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
VDC : WITH VDC
ABS : WITHOUT VDC
ENGINE GROUND
WI-06902


E/G(LH6)-01
E/G(LH6)-01
TO POWER SUPPLY CIRCUIT
FB-38
F/B FUSE NO. 12
(IG)
MB-25
M/B FUSE NO. 11
(B)
ALT-1
GENERATOR
A: B134 B: B135 C: B136 D: B137 ECM
A22 D14 B27 D28 C10 C8 C9 C7 C11 D19 D27 A31 B30 D17 C30 B33 B23
BR GR Lg LgR *1 BrR Y W YL WL BR LR WR PW YB LOr W
GR WG BR
FUEL PUMP RELAY
B362
REF. TO CRUISE CONTROL SYSTEM [C/C6(L)-01]
REF. TO IMMOBILIZER SYSTEM [IMB(L)-01]
REF. TO RADIATOR FAN SYSTEM [R/F(H6)-01]
REF. TO AIR CONDITIONING SYSTEM [A-A/C(L)-01•02]
B97
R1
*1 : MT : RY
AT : GY
R122 FUEL PUMP CONTROL MODULE
R58
FUEL PUMP
REF. TO GROUND CIRCUIT [GND(L)-03]
REF. TO GROUND CIRCUIT [GND(L)-04]
R58
B362 (BLACK)
R122
B97
D: B137 HR
A: B134 HR
B: B135 HR
C: B136 HR

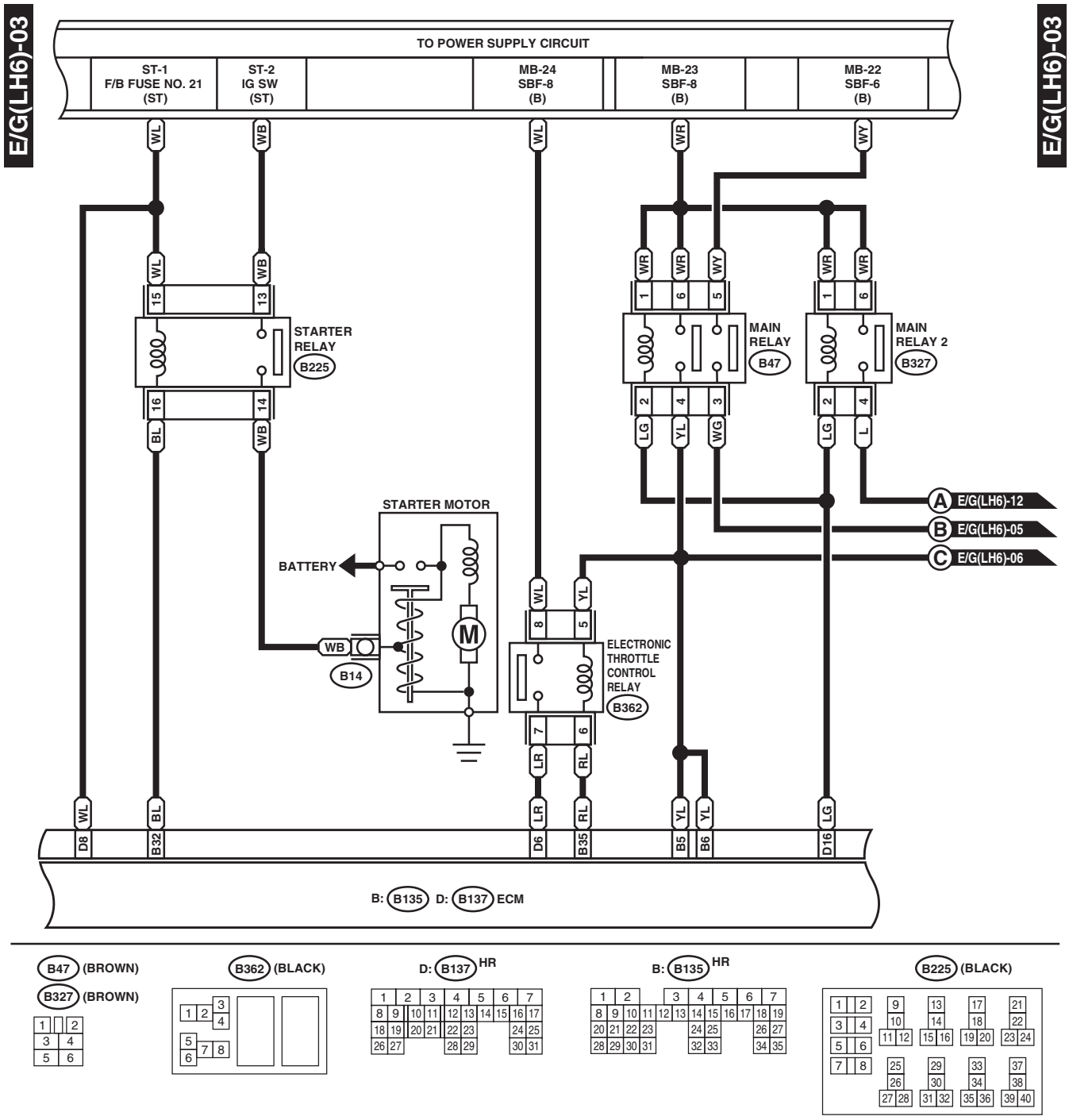
WI-06903

E/G(LH6)-02



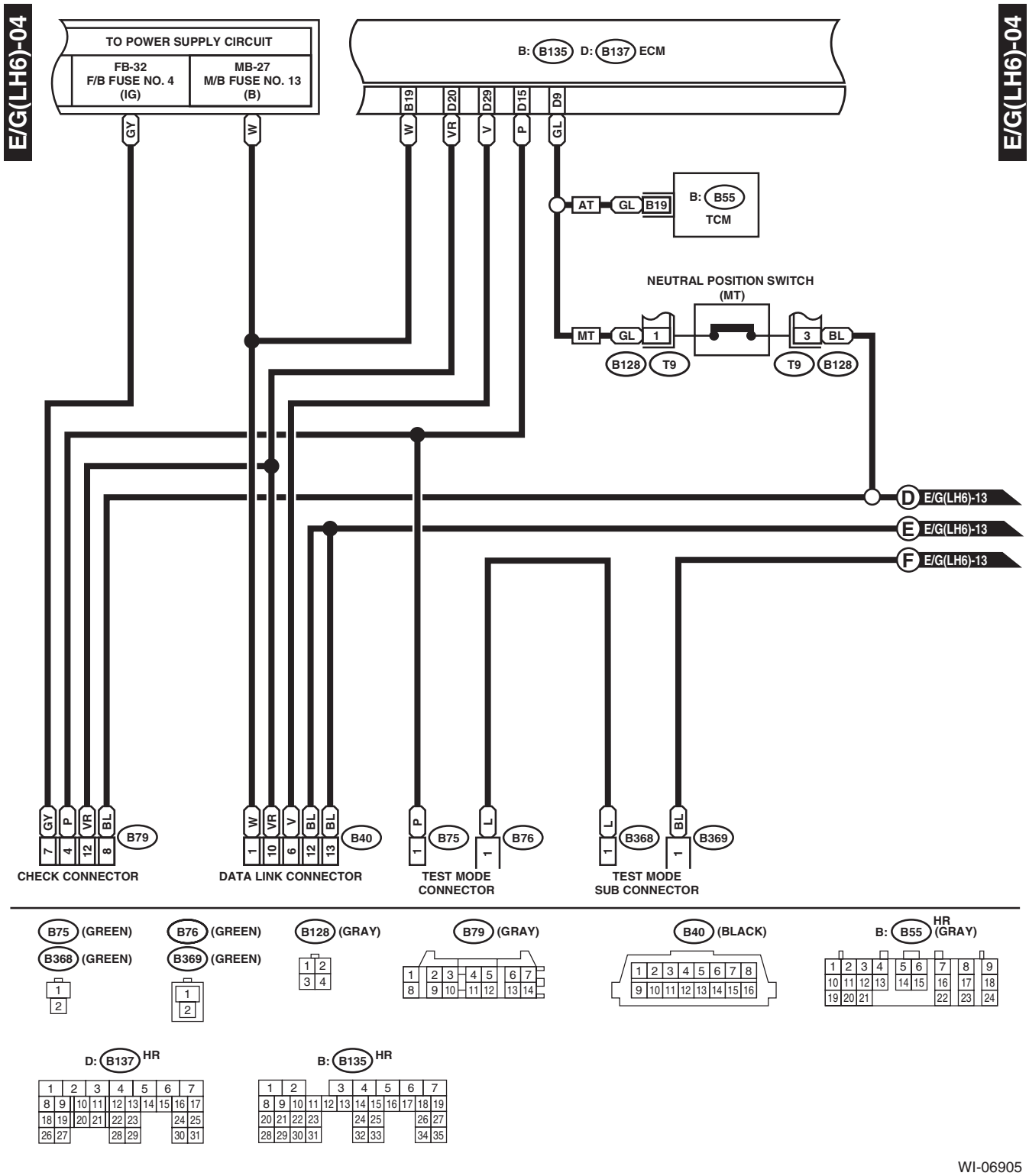


WI-07499

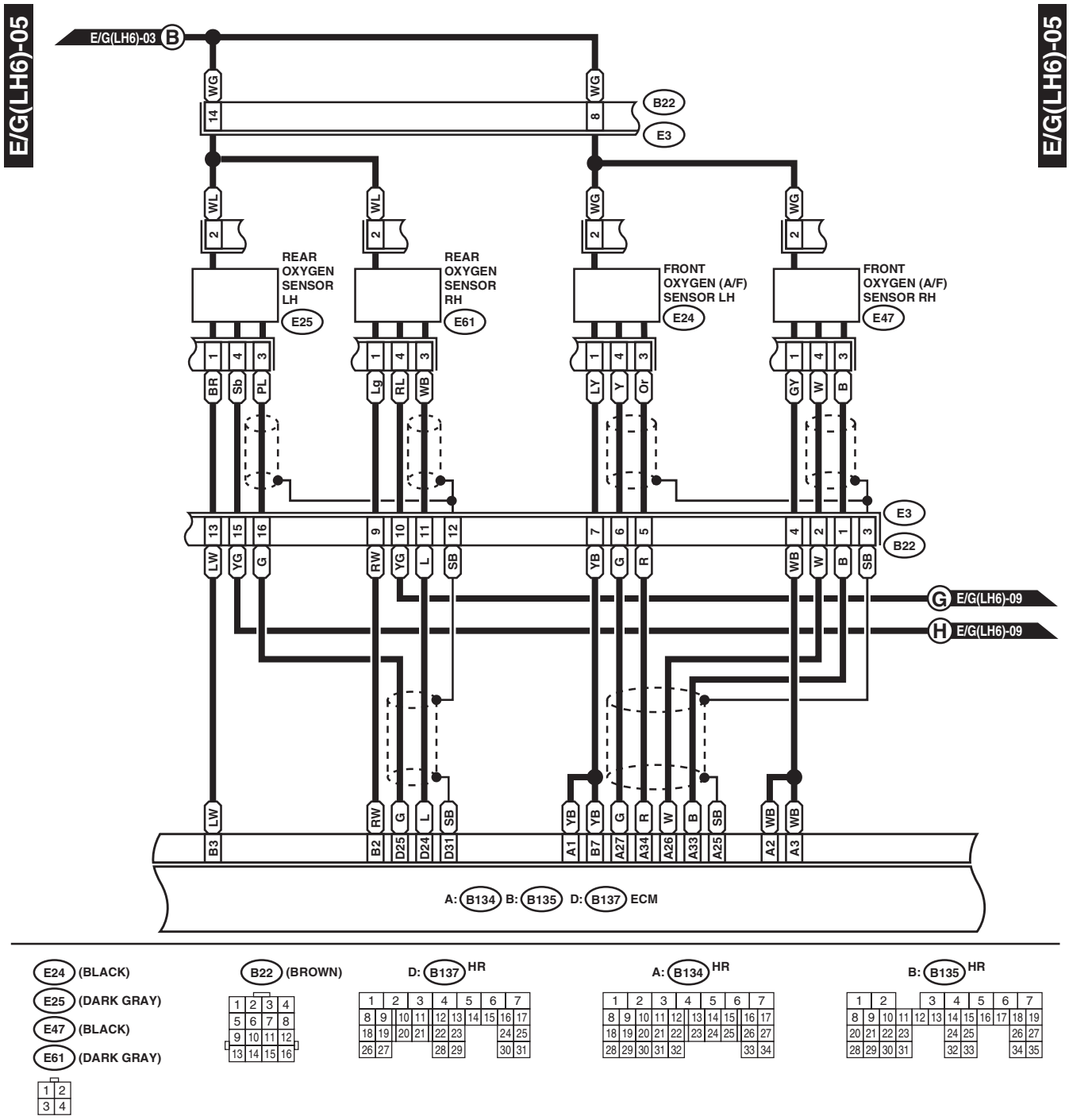

E/G(LH6)-03
E/G(LH6)-03
TO POWER SUPPLY CIRCUIT
ST-1
F/B FUSE NO. 21
(ST)
ST-2
IG SW
(ST)
MB-24
SBF-8
(B)
MB-23
SBF-8
(B)
MB-22
SBF-6
(B)
STARTER
RELAY
B225
MAIN
RELAY
B47
MAIN
RELAY 2
B327
STARTER MOTOR
BATTERY
B14
ELECTRONIC
THROTTLE
CONTROL
RELAY
B362
A E/G(LH6)-12
B E/G(LH6)-05
C E/G(LH6)-06
B: B135 D: B137 ECM

B47 (BROWN)
B327 (BROWN)
B362 (BLACK)
D: B137 HR
B: B135 HR
B225 (BLACK)

WI-06904

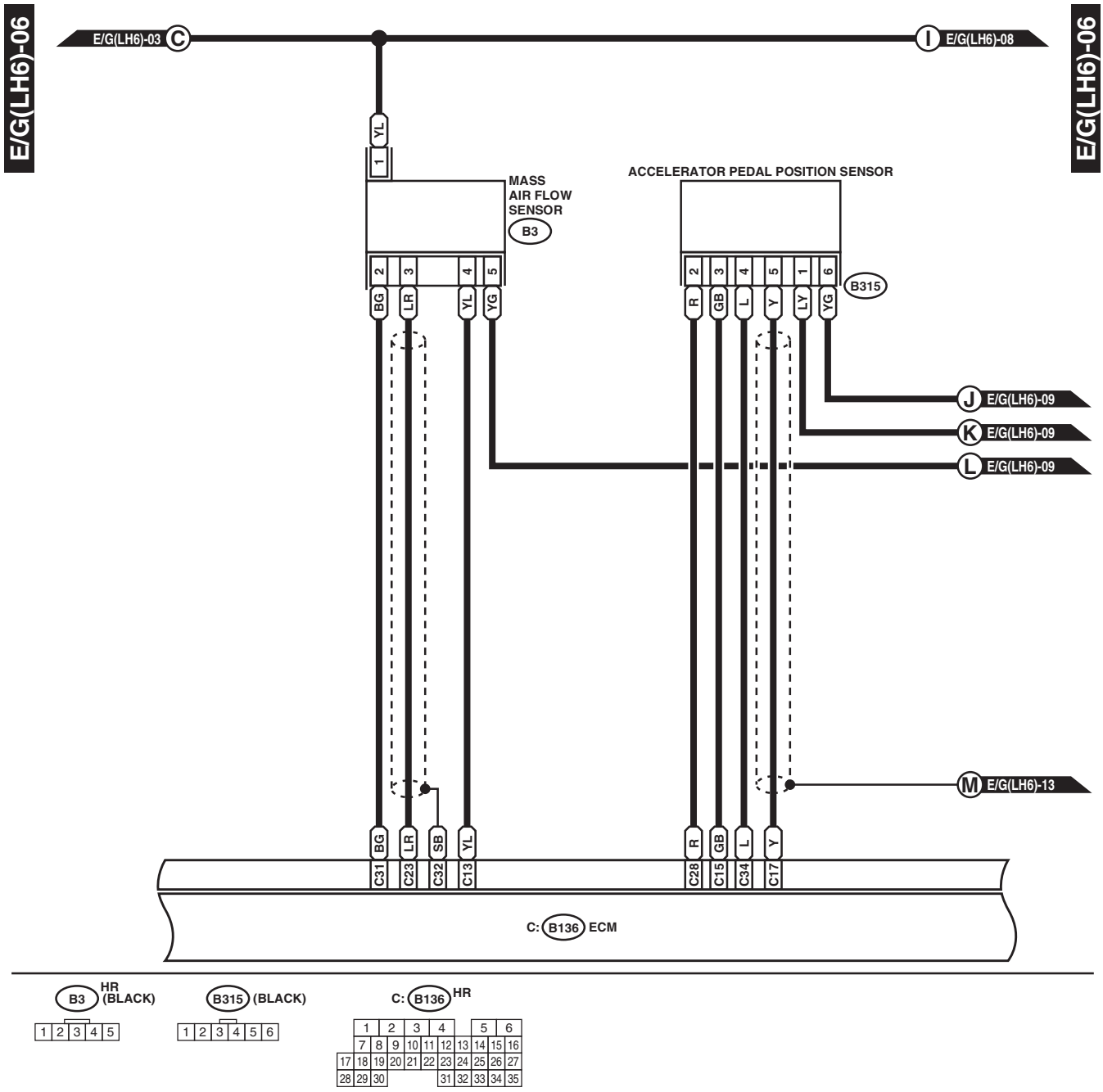

E/G(LH6)-04
E/G(LH6)-04
TO POWER SUPPLY CIRCUIT
FB-32
F/B FUSE NO. 4
(IG)
MB-27
M/B FUSE NO. 13
(B)
B: B135 D: B137 ECM
B19
D20
D29
D15
D9
GY
W
W
VR
V
P
GL
AT
GL
B19
B: B55
TCM
NEUTRAL POSITION SWITCH
(MT)
MT
GL
1
3
BL
B128
T9
T9
B128
D E/G(LH6)-13
E E/G(LH6)-13
F E/G(LH6)-13
GY
P
VR
BL
B79
7
4
12
8
CHECK CONNECTOR
W
VR
V
BL
BL
B40
1
10
6
12
13
DATA LINK CONNECTOR
P
B75
1
L
B76
1
TEST MODE
CONNECTOR
L
B368
1
BL
B369
1
TEST MODE
SUB CONNECTOR
B75 (GREEN)
B368 (GREEN)
B76 (GREEN)
B369 (GREEN)
B128 (GRAY)
B79 (GRAY)
B40 (BLACK)
B: B55 HR (GRAY)
D: B137 HR
B: B135 HR

WI-06905

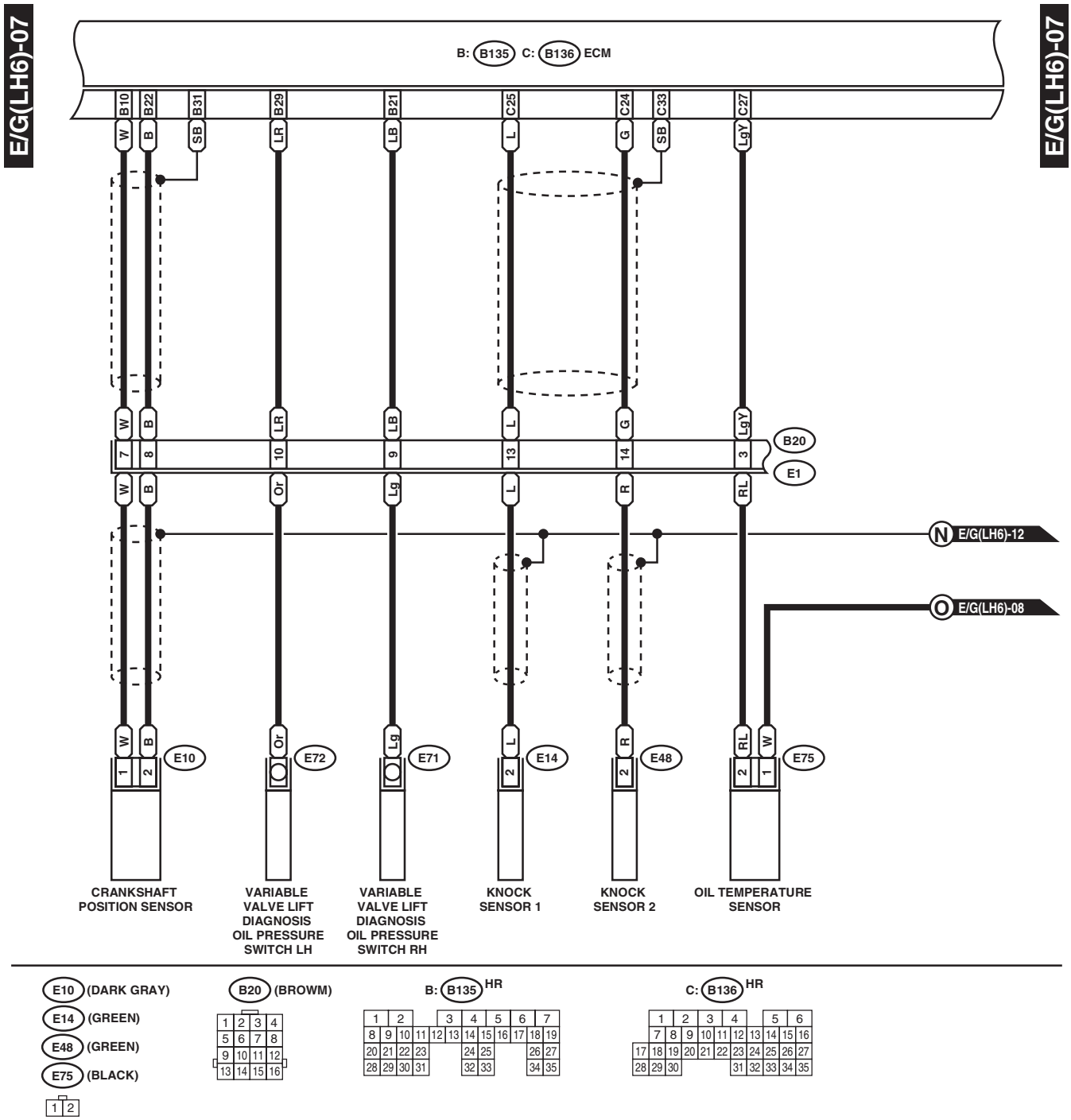

E/G(LH6)-05
E/G(LH6)-03
B
WG
14
8
B22
E3
WL
2
REAR OXYGEN SENSOR LH
E25
REAR OXYGEN SENSOR RH
E61
FRONT OXYGEN (A/F) SENSOR LH
E24
FRONT OXYGEN (A/F) SENSOR RH
E47
1
4
3
BR
Sb
PL
Lg
RL
WB
LY
Y
Or
GY
W
B
13
15
16
9
10
11
12
7
6
5
4
2
1
LW
YG
G
RW
L
SB
YB
R
WB
G
E/G(LH6)-09
H
E/G(LH6)-09
B3
B2
D25
D24
D31
A1
B7
A27
A34
A26
A33
A25
A2
A3
A: B134 B: B135 D: B137 ECM

E24 (BLACK)
E25 (DARK GRAY)
E47 (BLACK)
E61 (DARK GRAY)
B22 (BROWN)
D: B137 HR
A: B134 HR
B: B135 HR

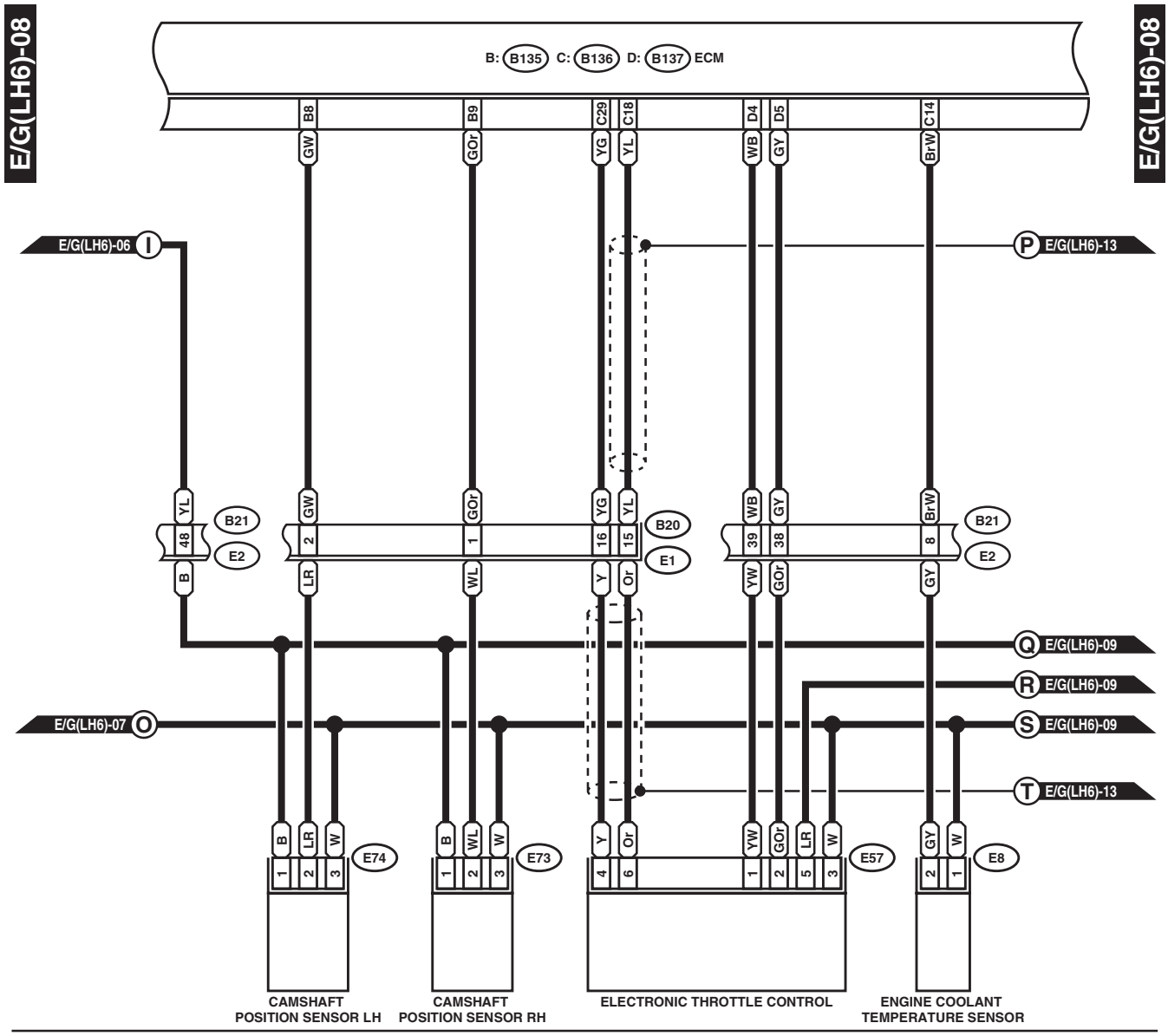
WI-07500

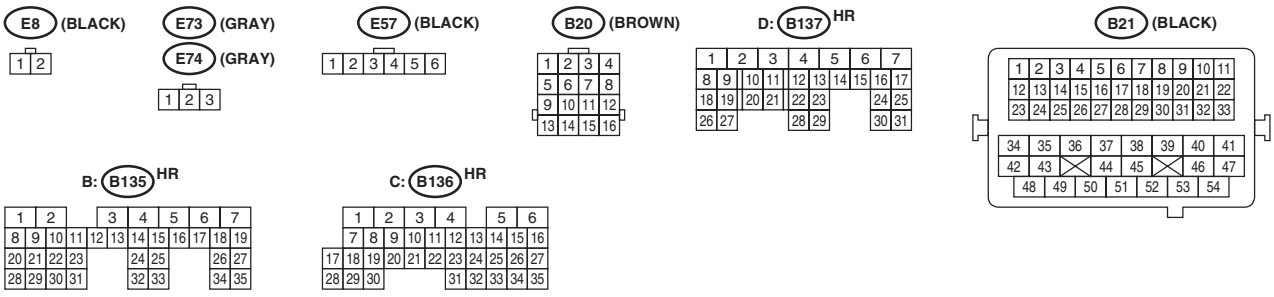

E/G(LH6)-06
E/G(LH6)-03 C
I E/G(LH6)-08
E/G(LH6)-06
YL
1
MASS AIR FLOW SENSOR
B3
2 3 4 5
BG LR YL YG
ACCELERATOR PEDAL POSITION SENSOR
2 3 4 5 1 6
B315
R GB L Y LY YG
J E/G(LH6)-09
K E/G(LH6)-09
L E/G(LH6)-09
M E/G(LH6)-13
BG LR SB YL
C31 C23 C32 C13
R GB L Y
C28 C15 C34 C17
C: B136 ECM
B3 HR (BLACK)
1 2 3 4 5
B315 (BLACK)
1 2 3 4 5 6
C: B136 HR
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-04046

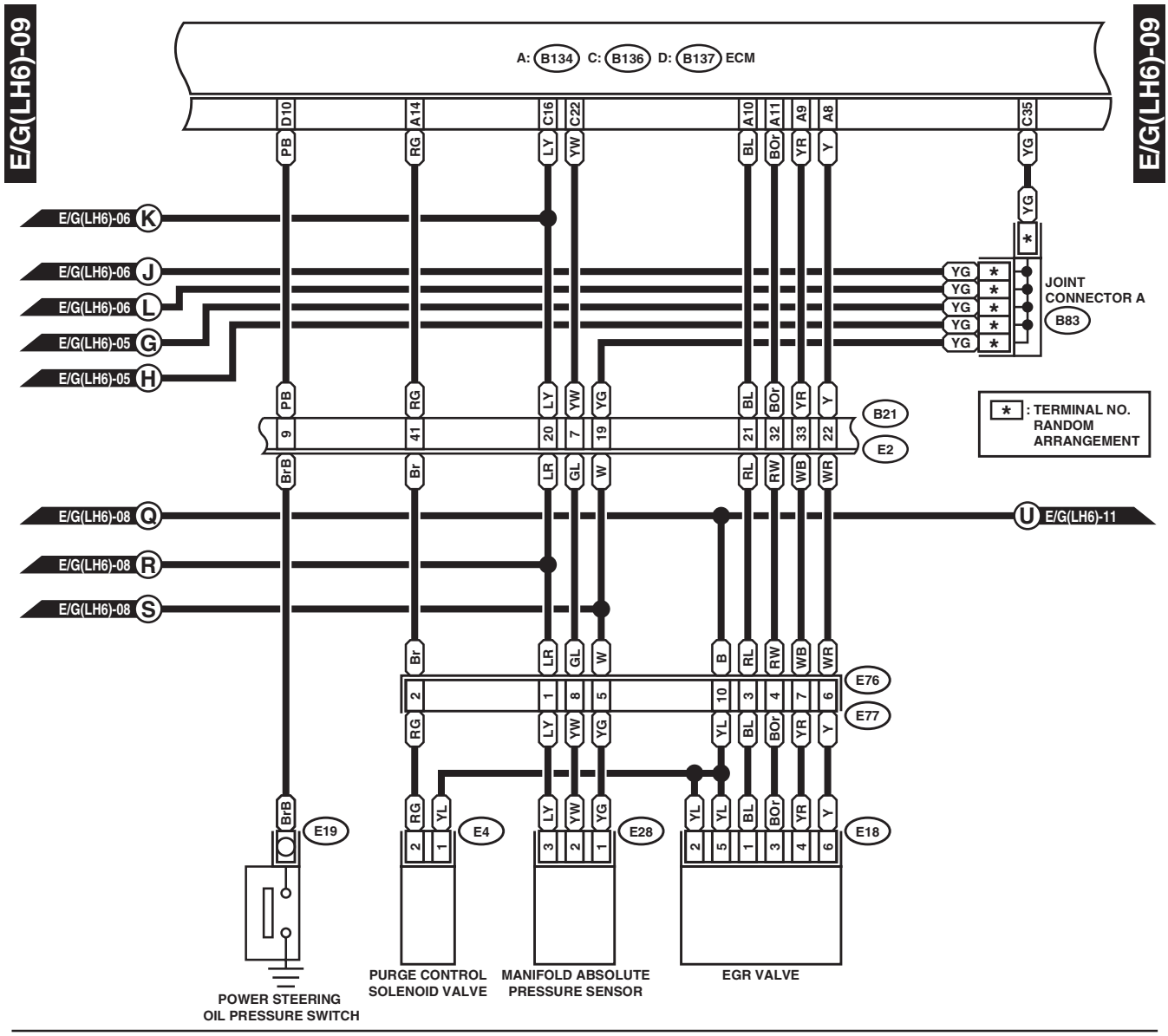

E/G(LH6)-07
E/G(LH6)-07
B: B135 C: B136 ECM
B10 B22 B31 B29 B21 C25 C24 C33 C27
W B SB LR LB L G SB LgY
7 8 10 9 13 14 3
B20
E1
Or Lg R RL
N E/G(LH6)-12
O E/G(LH6)-08
E10 E72 E71 E14 E48 E75
CRANKSHAFT POSITION SENSOR
VARIABLE VALVE LIFT DIAGNOSIS OIL PRESSURE SWITCH LH
VARIABLE VALVE LIFT DIAGNOSIS OIL PRESSURE SWITCH RH
KNOCK SENSOR 1
KNOCK SENSOR 2
OIL TEMPERATURE SENSOR
E10 (DARK GRAY)
E14 (GREEN)
E48 (GREEN)
E75 (BLACK)
B20 (BROWM)
B: B135 HR
C: B136 HR

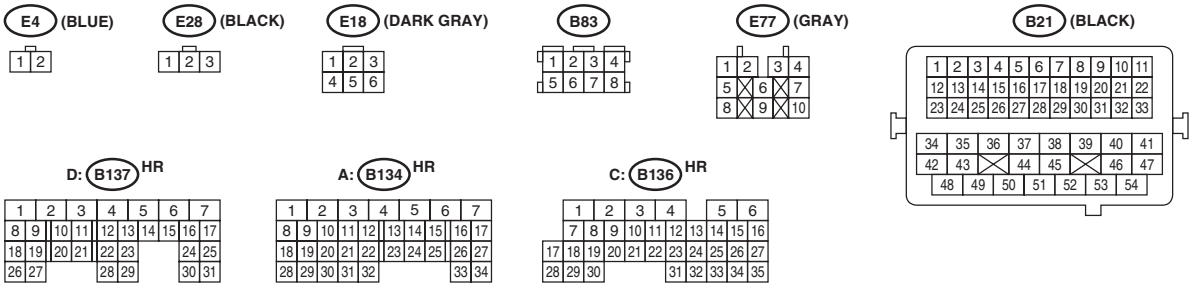
WI-07501


E/G(LH6)-08
E/G(LH6)-08
B: B135 C: B136 D: B137 ECM
B8 B9 C29 C18 D4 D5 C14
GW GOr YG YL WB GY BrW
E/G(LH6)-06 I
P E/G(LH6)-13
B21 B20 B21
48 2 1 16 15 39 38 8
E2 E1 E2
B LR WL Y Or YW GOr GY
Q E/G(LH6)-09
R E/G(LH6)-09
E/G(LH6)-07 O
S E/G(LH6)-09
T E/G(LH6)-13
B LR W B WL W Y Or YW GOr LR W GY W
1 2 3 1 2 3 4 6 1 2 5 3 2 1
E74 E73 E57 E8
CAMSHAFT POSITION SENSOR LH
CAMSHAFT POSITION SENSOR RH
ELECTRONIC THROTTLE CONTROL
ENGINE COOLANT TEMPERATURE SENSOR

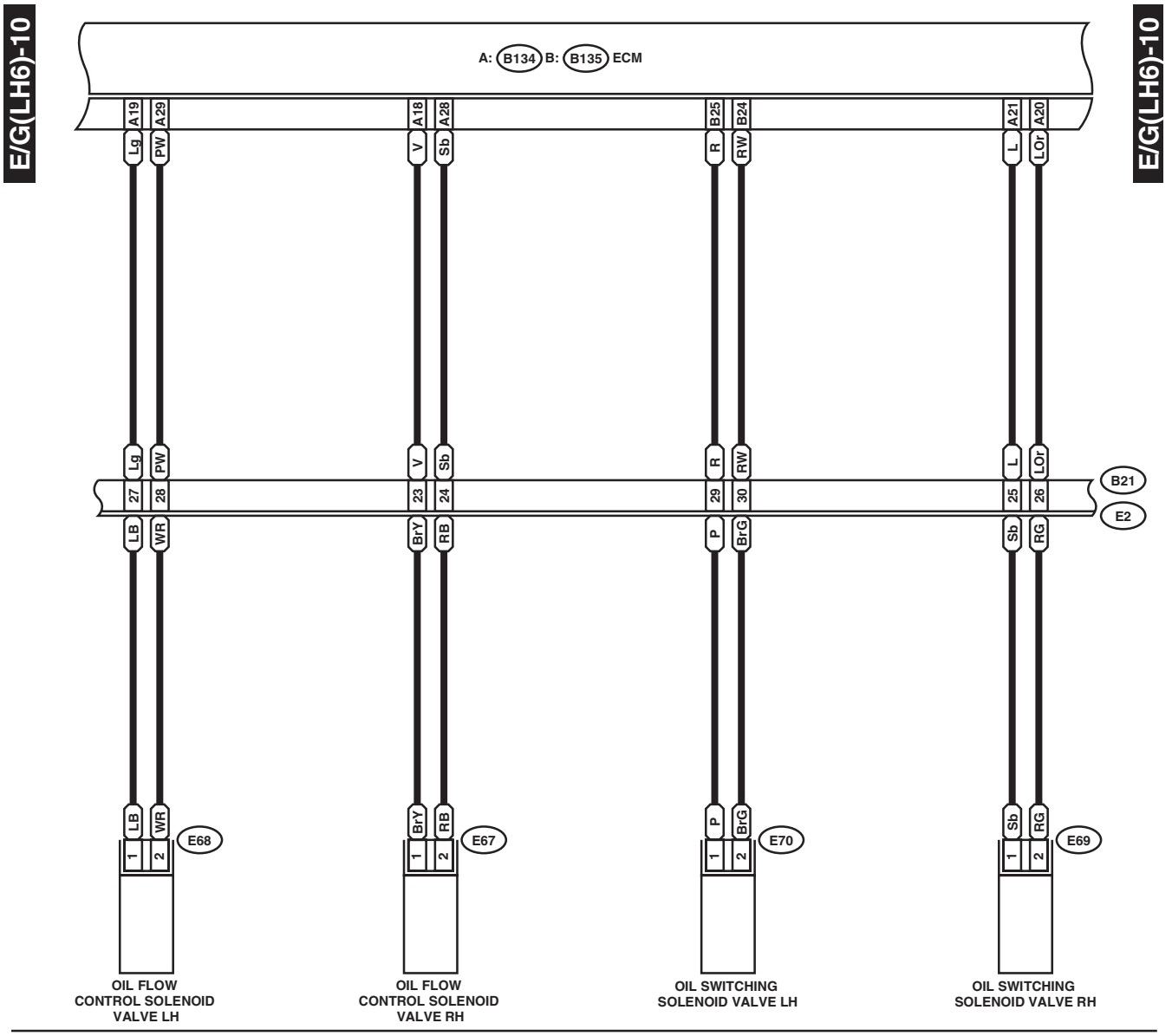

E8 (BLACK)
1 2
E73 (GRAY)
E74 (GRAY)
1 2 3
E57 (BLACK)
1 2 3 4 5 6
B20 (BROWN)
1 2 3 4
5 6 7 8
9 10 11 12
13 14 15 16
D: B137 HR
1 2 3 4 5 6 7
8 9 10 11 12 13 14 15 16 17
18 19 20 21 22 23 24 25
26 27 28 29 30 31
B21 (BLACK)
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
23 24 25 26 27 28 29 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
B: B135 HR
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 HR
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

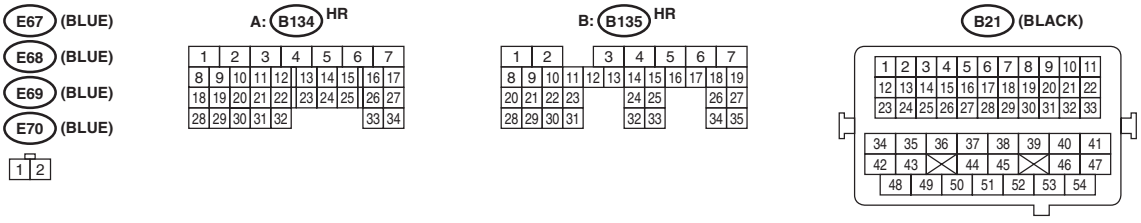
WI-07502


E/G(LH6)-09
E/G(LH6)-09
A: B134 C: B136 D: B137 ECM
D10 A14 C16 C22 A10 A11 A9 A8 C35
PB RG LY YW BL BOr YR Y YG
E/G(LH6)-06 K
E/G(LH6)-06 J
E/G(LH6)-06 L
E/G(LH6)-05 G
E/G(LH6)-05 H
JOINT CONNECTOR A
B83
B21
E2
* : TERMINAL NO. RANDOM ARRANGEMENT
E/G(LH6)-08 Q
E/G(LH6)-08 R
E/G(LH6)-08 S
U E/G(LH6)-11
E76
E77
E19
E4
E28
E18
POWER STEERING OIL PRESSURE SWITCH
PURGE CONTROL SOLENOID VALVE
MANIFOLD ABSOLUTE PRESSURE SENSOR
EGR VALVE


E4 (BLUE)
E28 (BLACK)
E18 (DARK GRAY)
B83
E77 (GRAY)
B21 (BLACK)
D: B137 HR
A: B134 HR
C: B136 HR

WI-07613

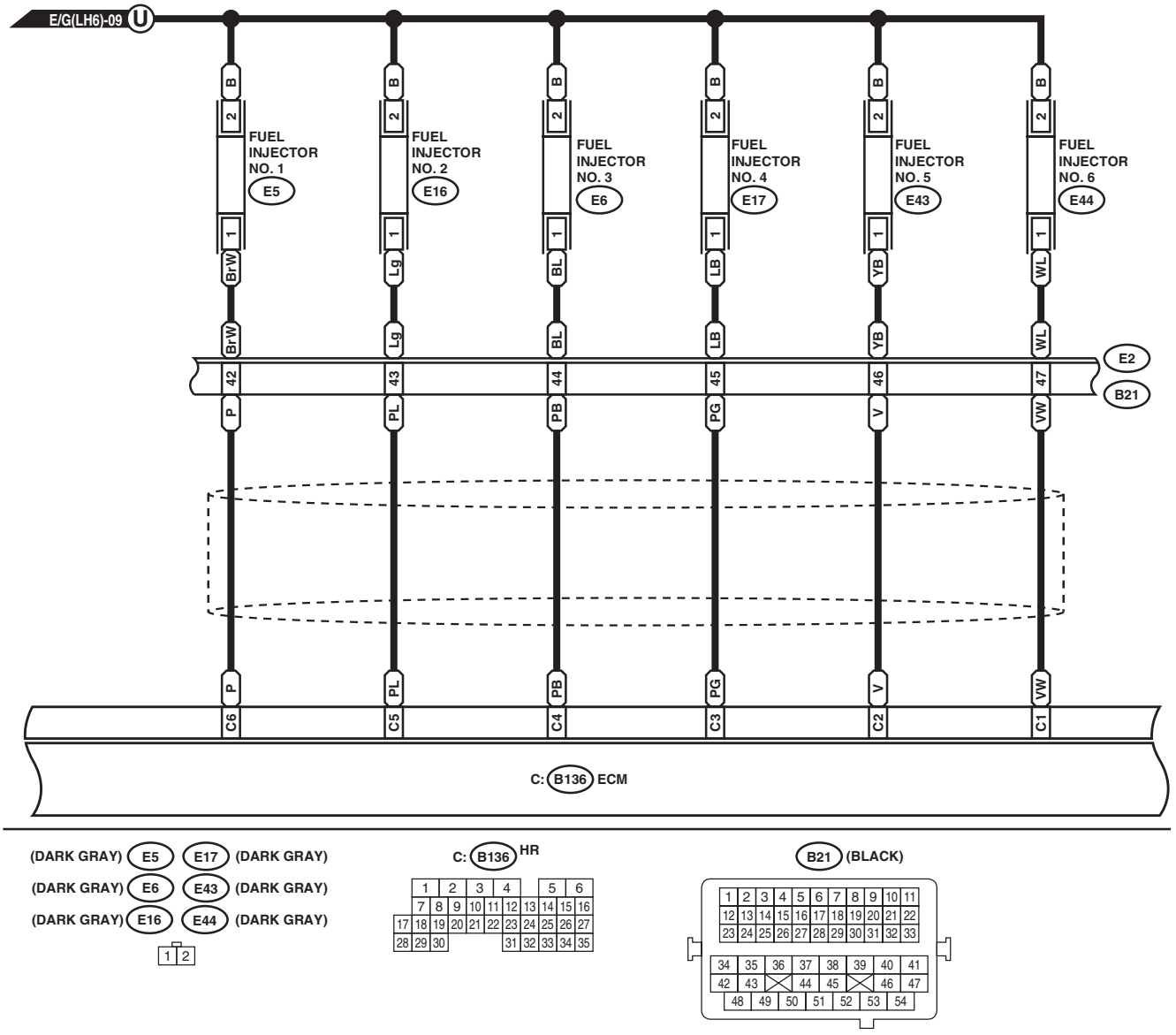

E/G(LH6)-10
E/G(LH6)-10
A: B134 B: B135 ECM
A19 A29 A18 A28 B25 B24 A21 A20
Lg PW V Sb R RW L LOr
27 28 23 24 29 30 25 26
B21
E2
LB WR BrY RB P BrG Sb RG
E68 E67 E70 E69
OIL FLOW CONTROL SOLENOID VALVE LH
OIL FLOW CONTROL SOLENOID VALVE RH
OIL SWITCHING SOLENOID VALVE LH
OIL SWITCHING SOLENOID VALVE RH


E67 (BLUE)
E68 (BLUE)
E69 (BLUE)
E70 (BLUE)
A: B134 HR
B: B135 HR
B21 (BLACK)

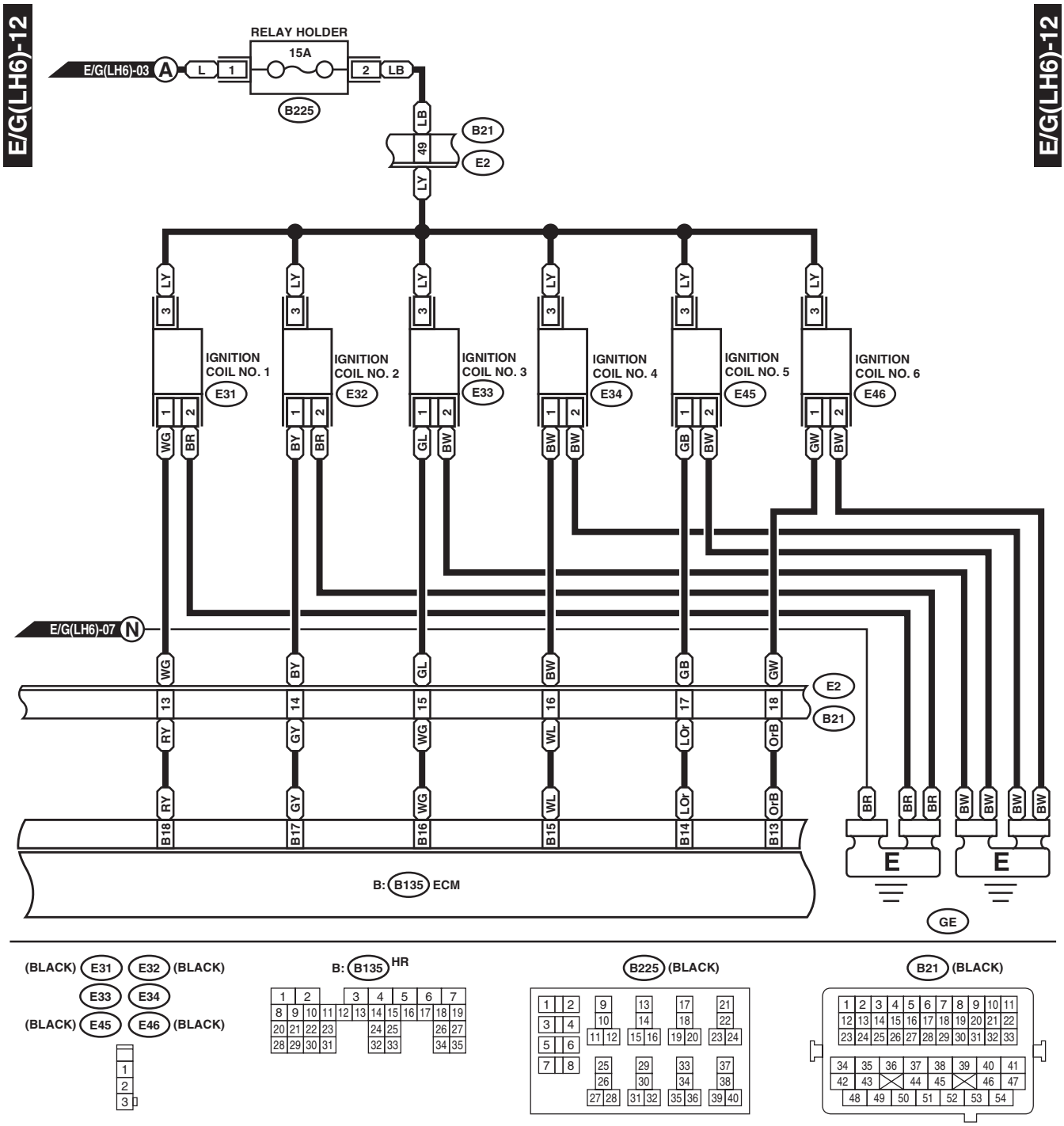
WI-07614

E/G(LH6)-11

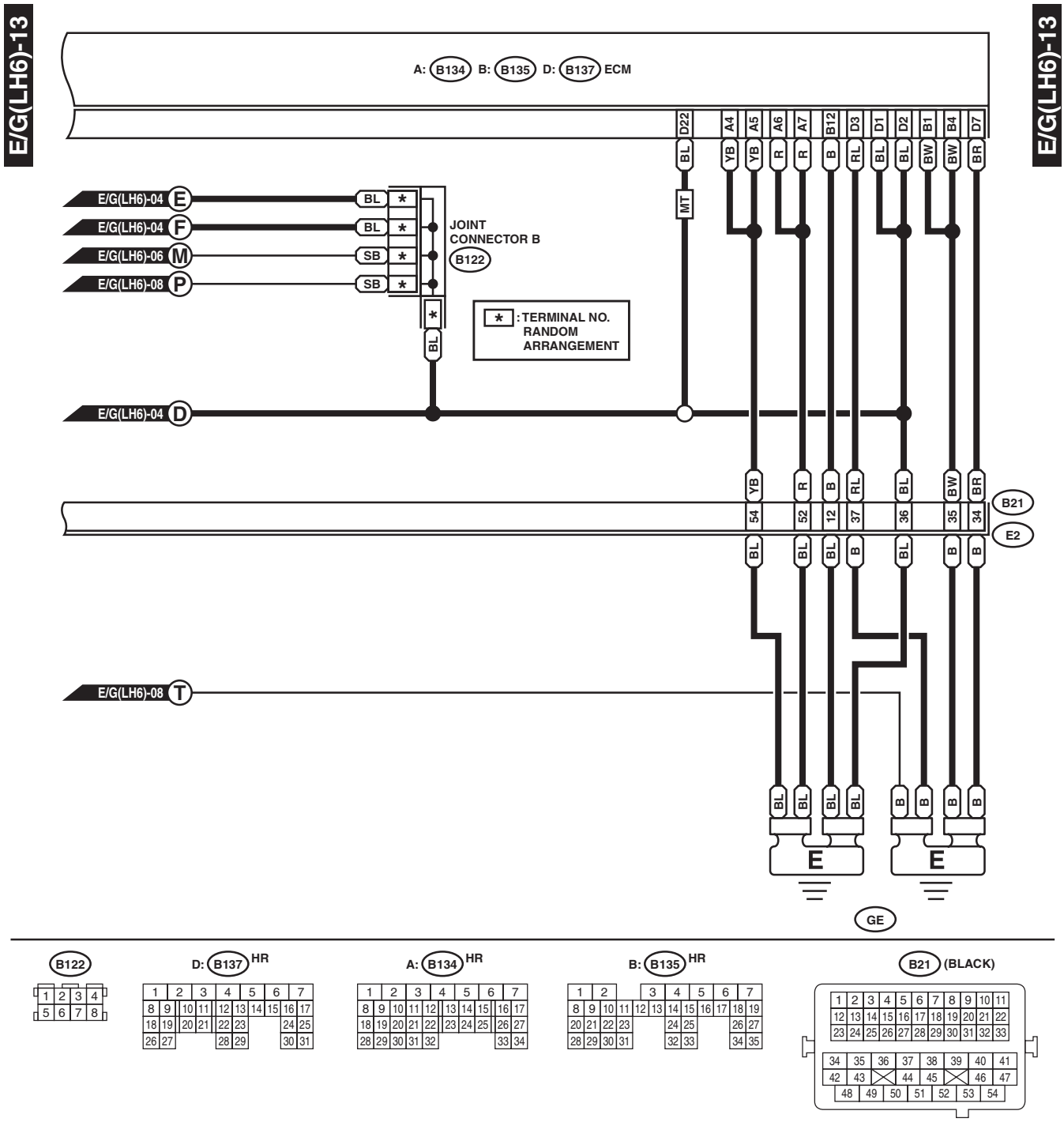
E/G(LH6)-11



WI-04051


E/G(LH6)-12
E/G(LH6)-12
RELAY HOLDER
15A
E/G(LH6)-03
A
L
1
2
LB
B225
LB
49
B21
E2
LY
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
3
1
2
WG
BR
BY
BR
GL
BW
BW
BW
GB
BW
GW
BW
E/G(LH6)-07
N
WG
BY
GL
BW
GB
GW
E2
B21
13
14
15
16
17
18
RY
GY
WG
WL
LOr
OrB
B18
B17
B16
B15
B14
B13
B: B135 ECM
BR
BR
BR
BW
BW
BW
BW
E
E
GE
(BLACK) E31 E32 (BLACK)
E33 E34
(BLACK) E45 E46 (BLACK)
B: B135 HR
B225 (BLACK)
B21 (BLACK)

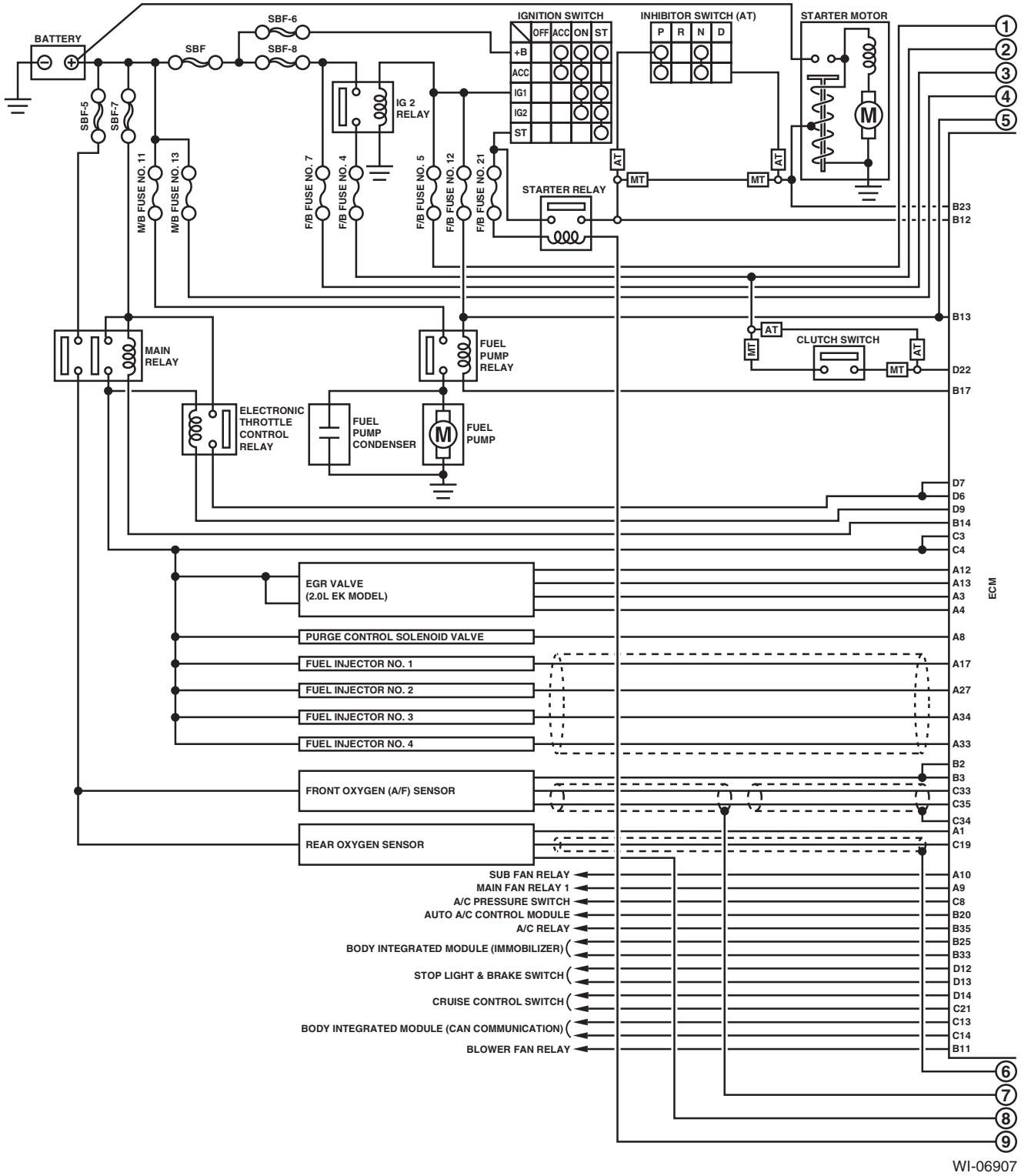
WI-07503


E/G(LH6)-13
E/G(LH6)-13
A: B134 B: B135 D: B137 ECM
D22 A4 A5 A6 A7 B12 D3 D1 D2 B1 B4 D7
BL YB YB R R B RL BL BL BW BW BR
MT
E/G(LH6)-04 E
E/G(LH6)-04 F
E/G(LH6)-06 M
E/G(LH6)-08 P
BL BL SB SB
JOINT CONNECTOR B
B122
* : TERMINAL NO. RANDOM ARRANGEMENT
E/G(LH6)-04 D
YB R B RL BL BW BR
54 52 12 37 36 35 34
B21
E2
BL BL BL B BL B B
E/G(LH6)-08 T
BL BL BL BL B B B B
E E
GE

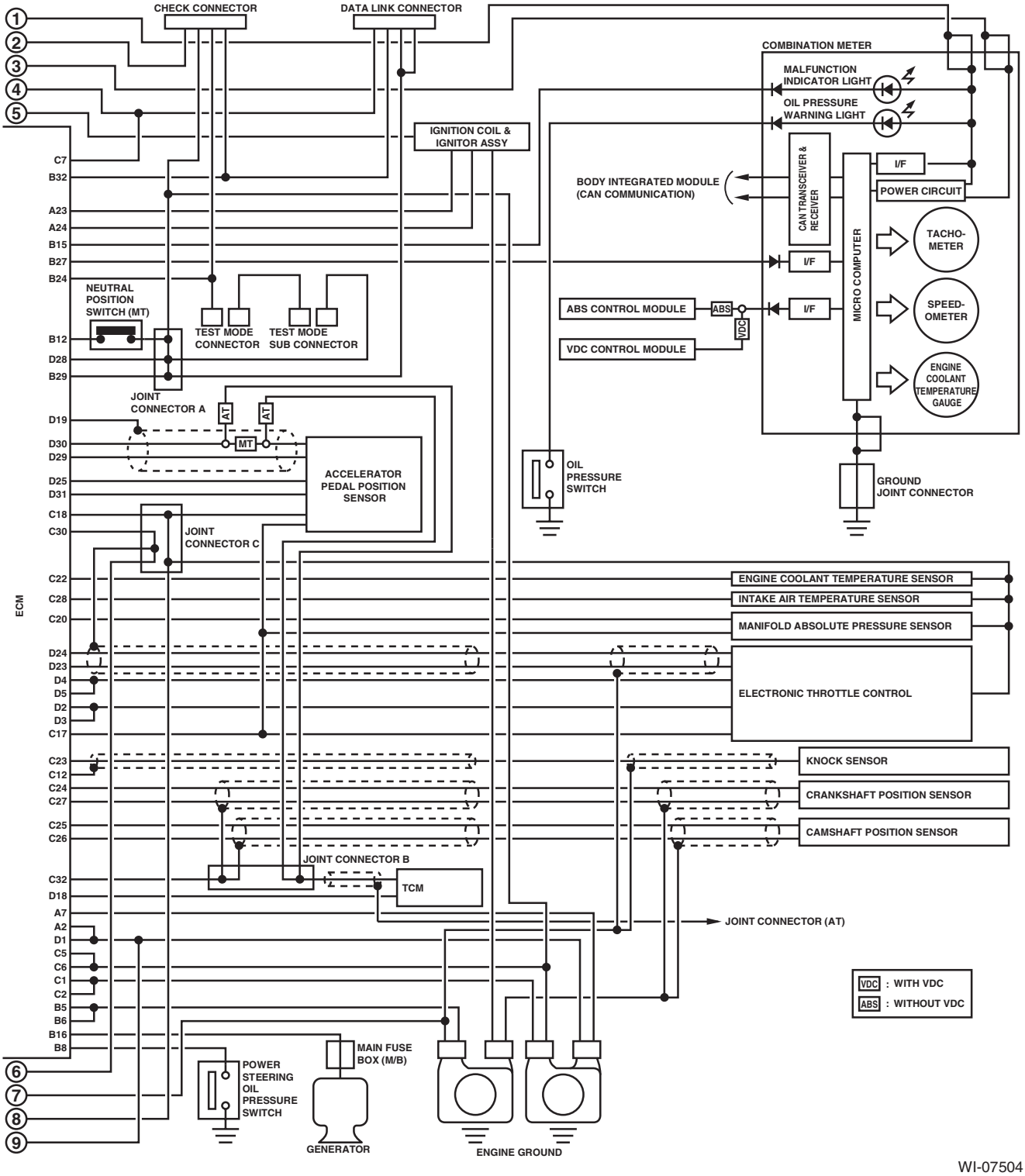
B122
D: B137 HR
A: B134 HR
B: B135 HR
B21 (BLACK)

WI-06906

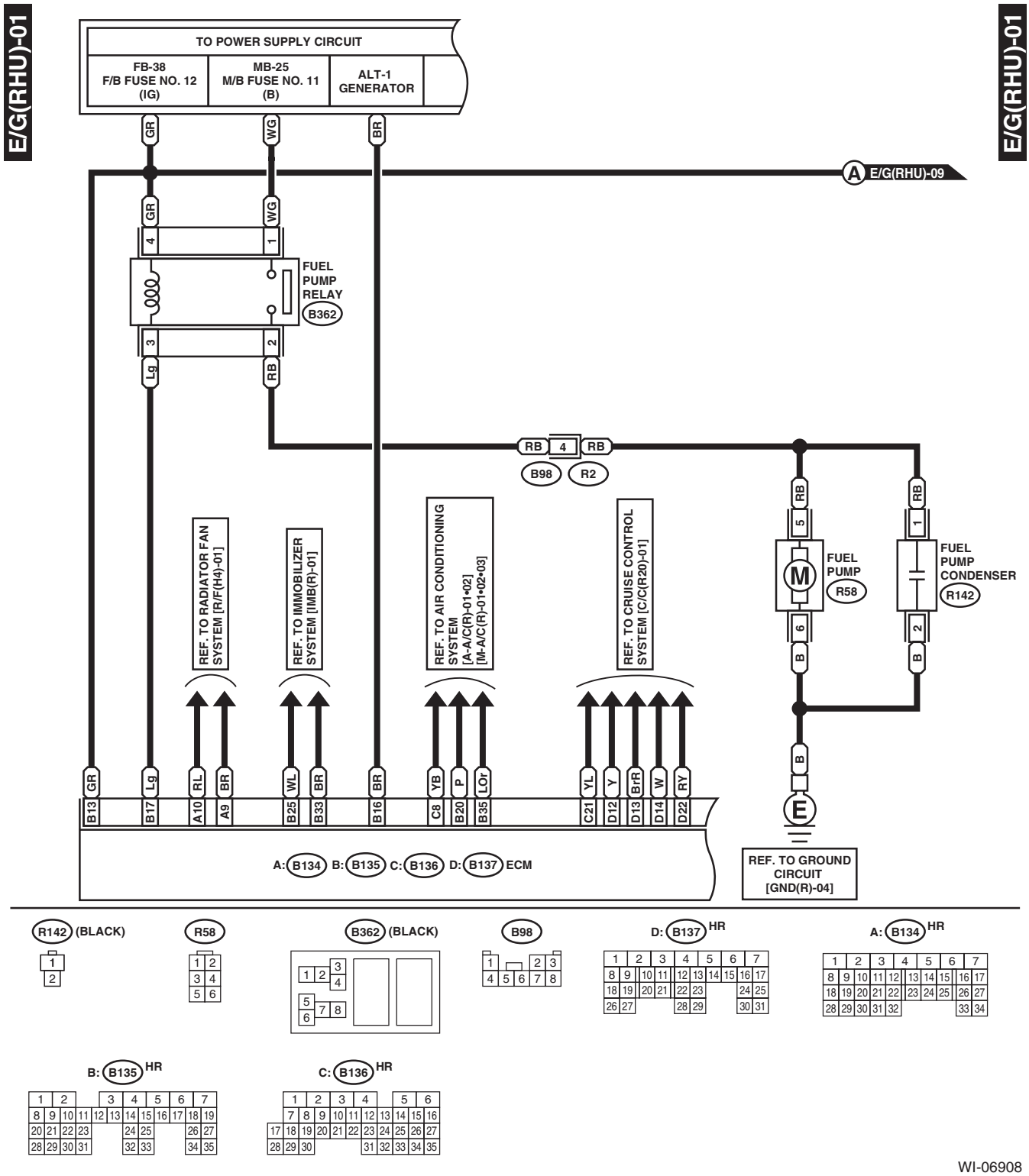
4. RHD 2.0 L NON-TURBO MODEL AND 2.5 L KA MODEL



WI-06907

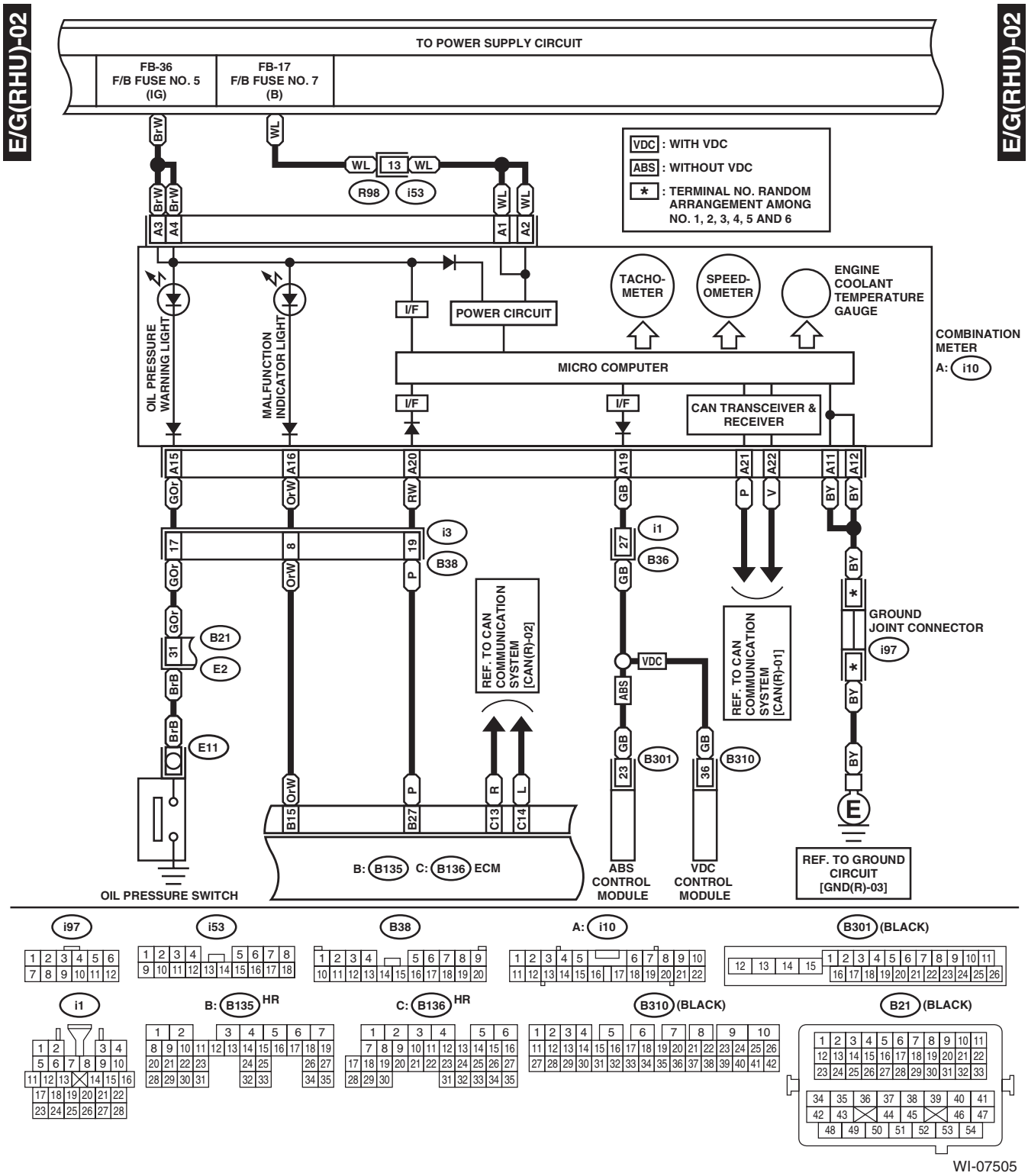

CHECK CONNECTOR
DATA LINK CONNECTOR
COMBINATION METER
MALFUNCTION INDICATOR LIGHT
OIL PRESSURE WARNING LIGHT
IGNITION COIL & IGNITOR ASSY
BODY INTEGRATED MODULE (CAN COMMUNICATION)
CAN TRANSCEIVER & RECEIVER
I/F
POWER CIRCUIT
MICRO COMPUTER
TACHO-METER
SPEED-OMETER
ENGINE COOLANT TEMPERATURE GAUGE
ABS CONTROL MODULE
VDC CONTROL MODULE
ABS
VDC
NEUTRAL POSITION SWITCH (MT)
TEST MODE CONNECTOR
TEST MODE SUB CONNECTOR
JOINT CONNECTOR A
AT
MT
ACCELERATOR PEDAL POSITION SENSOR
JOINT CONNECTOR C
OIL PRESSURE SWITCH
GROUND JOINT CONNECTOR
ECM
ENGINE COOLANT TEMPERATURE SENSOR
INTAKE AIR TEMPERATURE SENSOR
MANIFOLD ABSOLUTE PRESSURE SENSOR
ELECTRONIC THROTTLE CONTROL
KNOCK SENSOR
CRANKSHAFT POSITION SENSOR
CAMSHAFT POSITION SENSOR
JOINT CONNECTOR B
TCM
JOINT CONNECTOR (AT)
VDC : WITH VDC
ABS : WITHOUT VDC
POWER STEERING OIL PRESSURE SWITCH
MAIN FUSE BOX (M/B)
GENERATOR
ENGINE GROUND
C7
B32
A23
A24
B15
B27
B24
B12
D28
B29
D19
D30
D29
D25
D31
C18
C30
C22
C28
C20
D24
D23
D4
D5
D2
D3
C17
C23
C12
C24
C27
C25
C26
C32
D18
A7
A2
D1
C5
C6
C1
C2
B5
B6
B16
B8

WI-07504

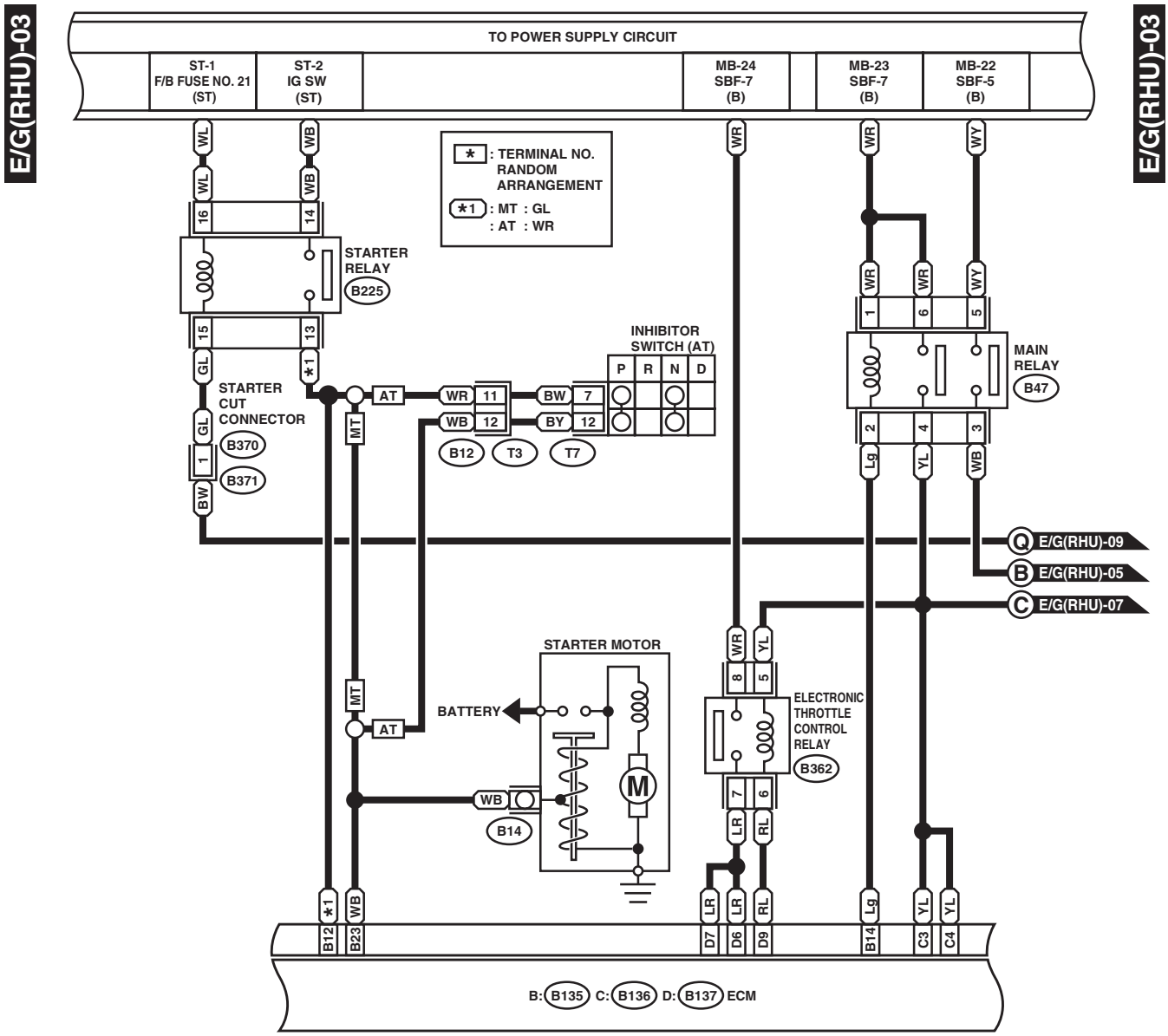

E/G(RHU)-01
E/G(RHU)-01
TO POWER SUPPLY CIRCUIT
FB-38 F/B FUSE NO. 12 (IG)
MB-25 M/B FUSE NO. 11 (B)
ALT-1 GENERATOR
GR
WG
BR
A E/G(RHU)-09
FUEL PUMP RELAY
B362
Lg
RB
B98
R2
REF. TO RADIATOR FAN SYSTEM [R/F(H4)-01]
REF. TO IMMOBILIZER SYSTEM [IMB(R)-01]
REF. TO AIR CONDITIONING SYSTEM [A-A/C(R)-01•02] [M-A/C(R)-01•02•03]
REF. TO CRUISE CONTROL SYSTEM [C/C(R20)-01]
FUEL PUMP
R58
FUEL PUMP CONDENSER
R142
RL
WL
YB
P
LOr
YL
Y
BrR
W
RY
B13
B17
A10
A9
B25
B33
B16
C8
B20
B35
C21
D12
D13
D14
D22
A: B134 B: B135 C: B136 D: B137 ECM
REF. TO GROUND CIRCUIT [GND(R)-04]
R142 (BLACK)
R58
B362 (BLACK)
B98
D: B137 HR
A: B134 HR
B: B135 HR
C: B136 HR

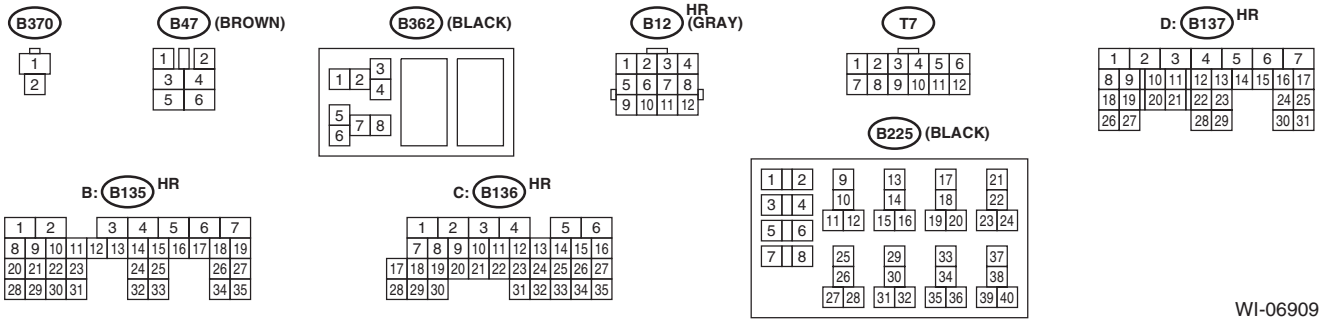
WI-06908

E/G(RHU)-02

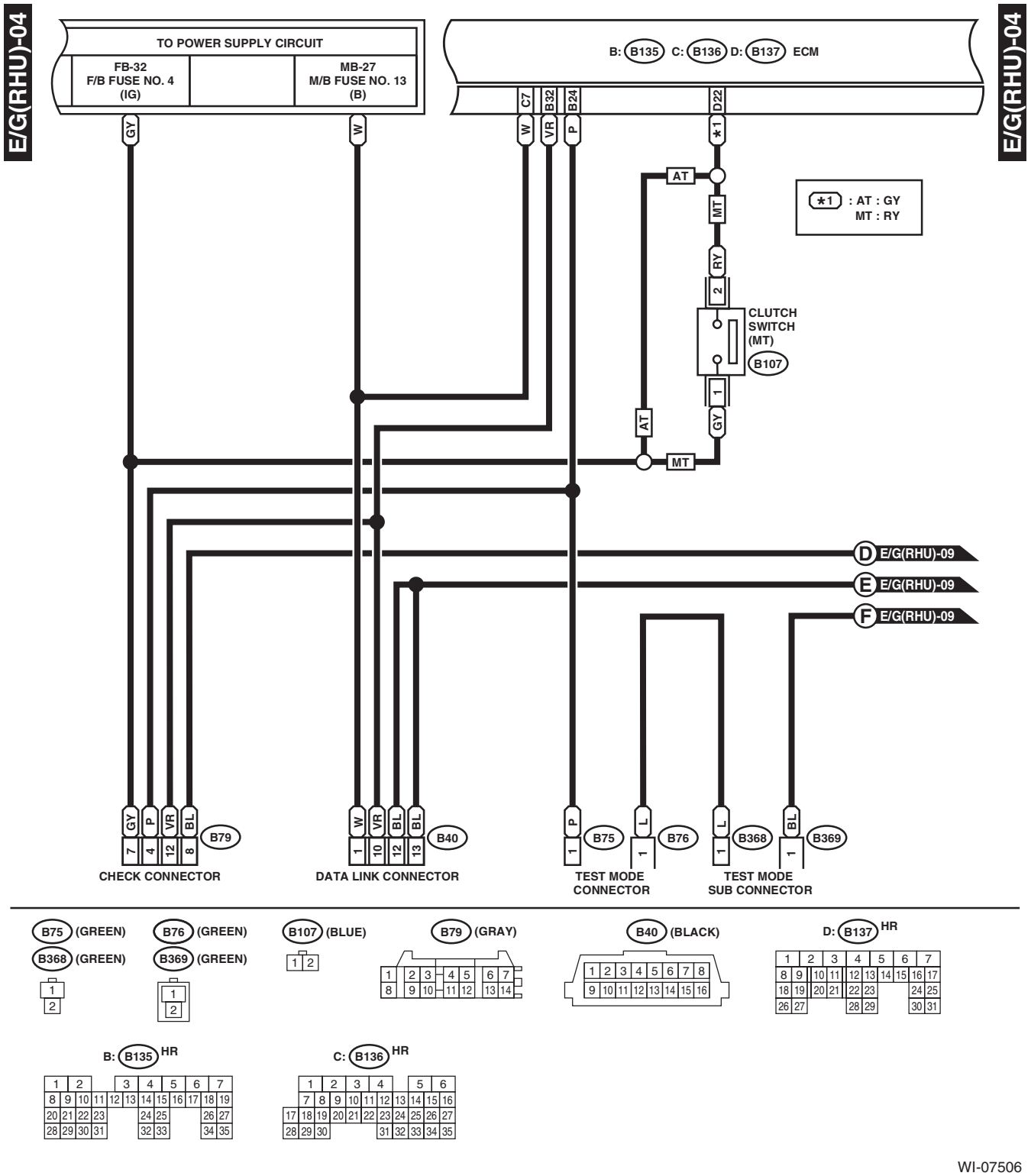


WI-07505


E/G(RHU)-03
E/G(RHU)-03
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)
*: TERMINAL NO.
RANDOM
ARRANGEMENT
*1: MT : GL
: AT : WR
STARTER
RELAY
B225
STARTER
CUT
CONNECTOR
B370
B371
INHIBITOR
SWITCH (AT)
P R N D
B12 T3 T7
MAIN
RELAY
B47
E/G(RHU)-09
E/G(RHU)-05
E/G(RHU)-07
STARTER MOTOR
BATTERY
B14
ELECTRONIC
THROTTLE
CONTROL
RELAY
B362
B: B135 C: B136 D: B137 ECM

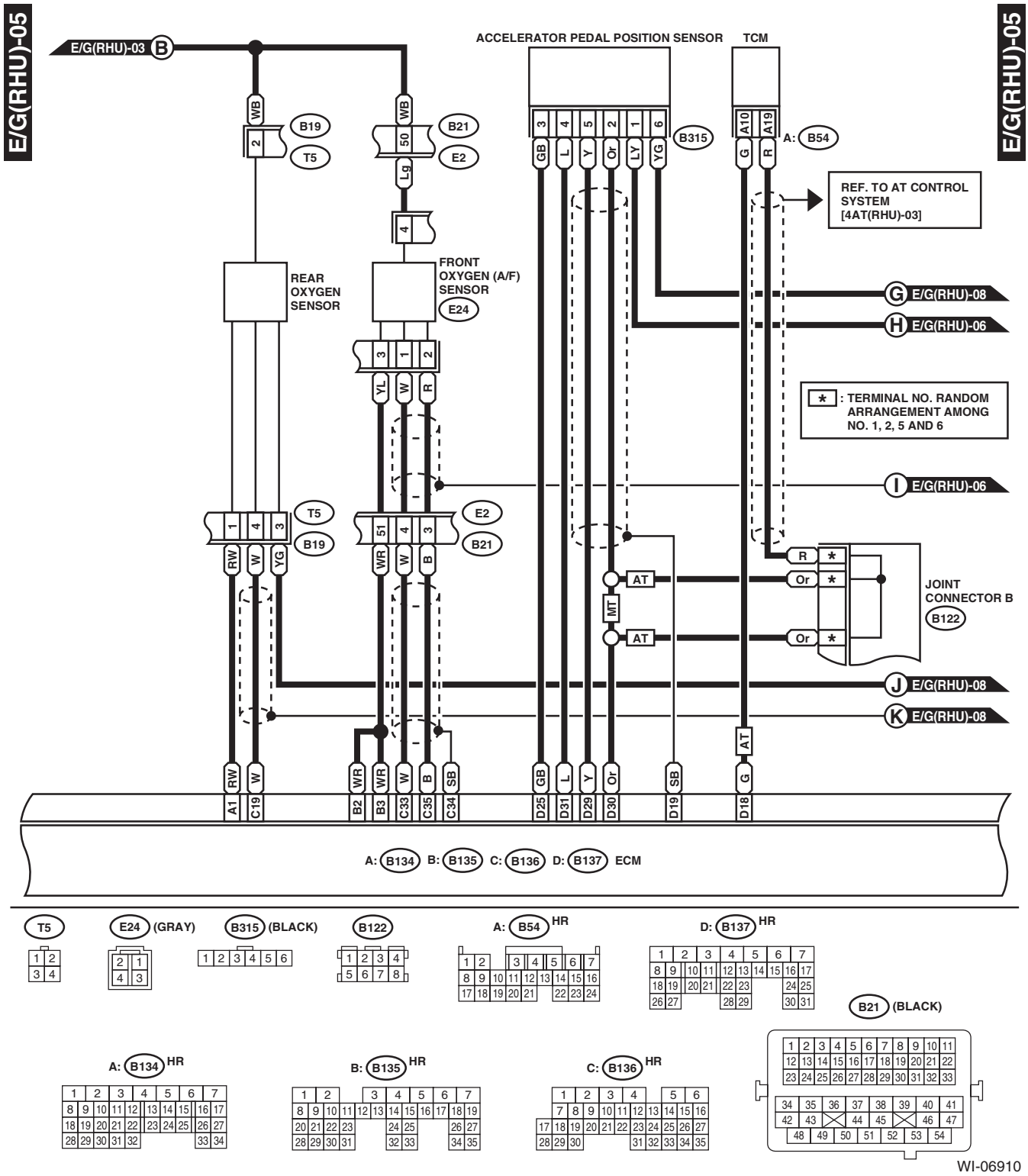

B370
B47 (BROWN)
B362 (BLACK)
B12 HR (GRAY)
T7
D: B137 HR
B225 (BLACK)
B: B135 HR
C: B136 HR

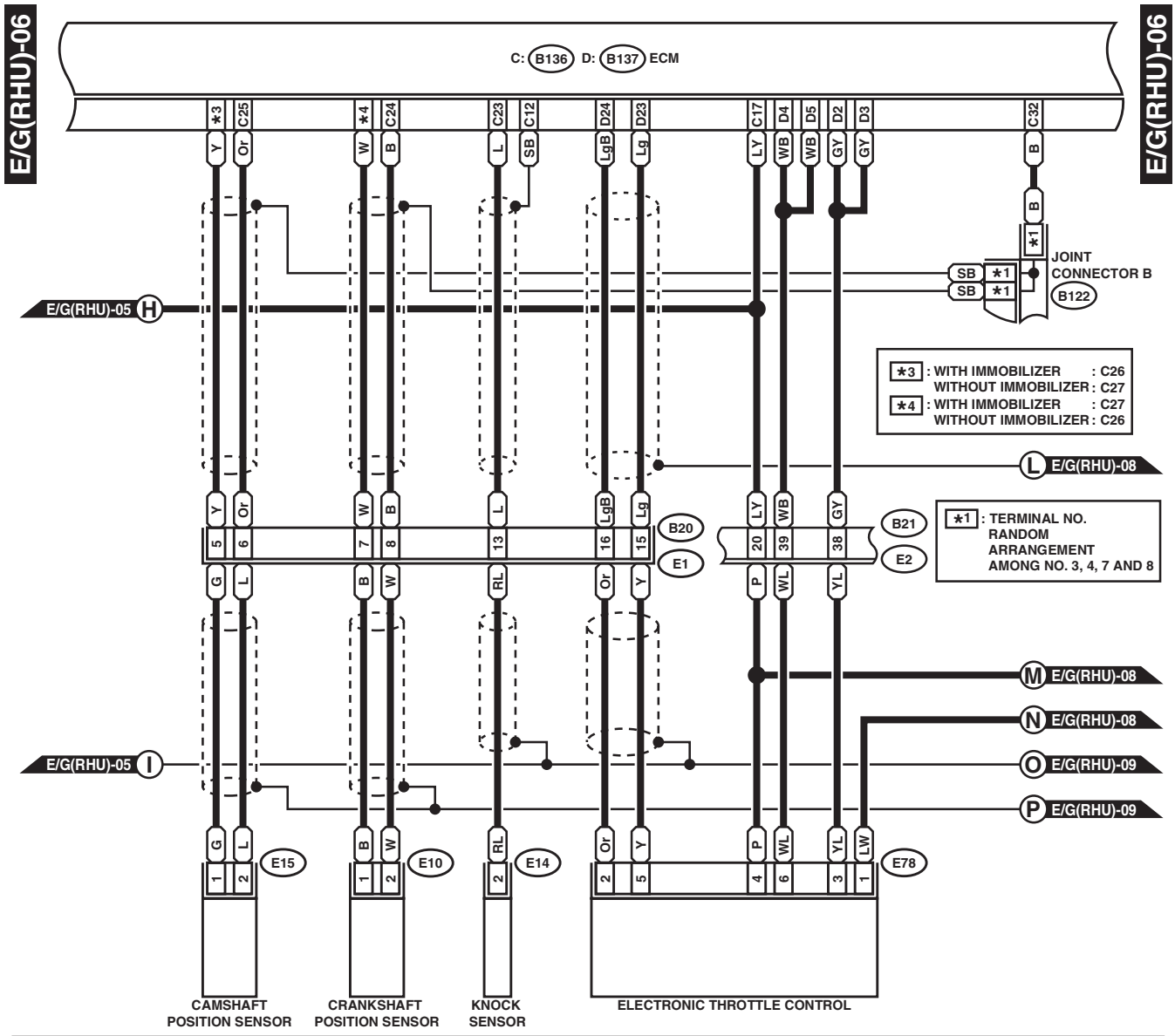
WI-06909

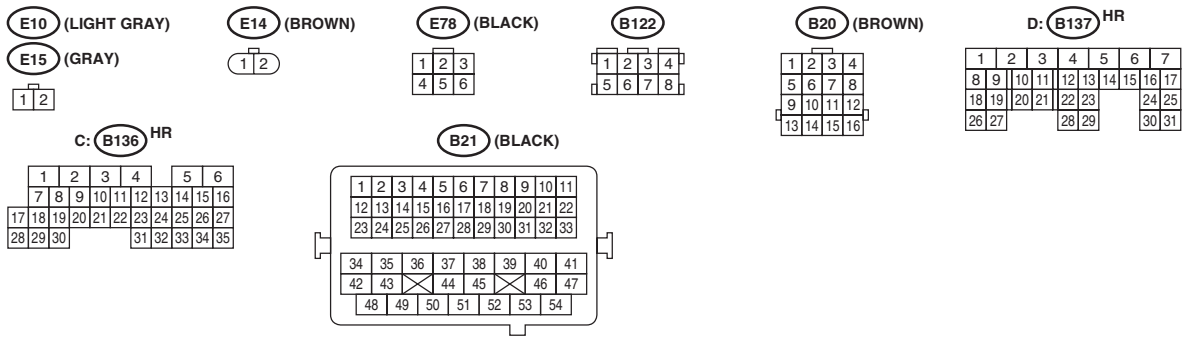

E/G(RHU)-04
E/G(RHU)-04
TO POWER SUPPLY CIRCUIT
FB-32
F/B FUSE NO. 4
(IG)
MB-27
M/B FUSE NO. 13
(B)
B: B135 C: B136 D: B137 ECM
C7
B32
B24
D22
GY
W
W
VR
P
*1
AT
MT
RY
2
CLUTCH
SWITCH
(MT)
B107
1
GY
AT
MT
*1 : AT : GY
MT : RY
D E/G(RHU)-09
E E/G(RHU)-09
F E/G(RHU)-09
GY
P
VR
BL
7
4
12
8
B79
CHECK CONNECTOR
W
VR
BL
BL
1
10
12
13
B40
DATA LINK CONNECTOR
P
1
B75
L
1
B76
TEST MODE
CONNECTOR
L
1
B368
BL
1
B369
TEST MODE
SUB CONNECTOR

B75 (GREEN)
B368 (GREEN)
B76 (GREEN)
B369 (GREEN)
B107 (BLUE)
B79 (GRAY)
B40 (BLACK)
D: B137 HR
B: B135 HR
C: B136 HR

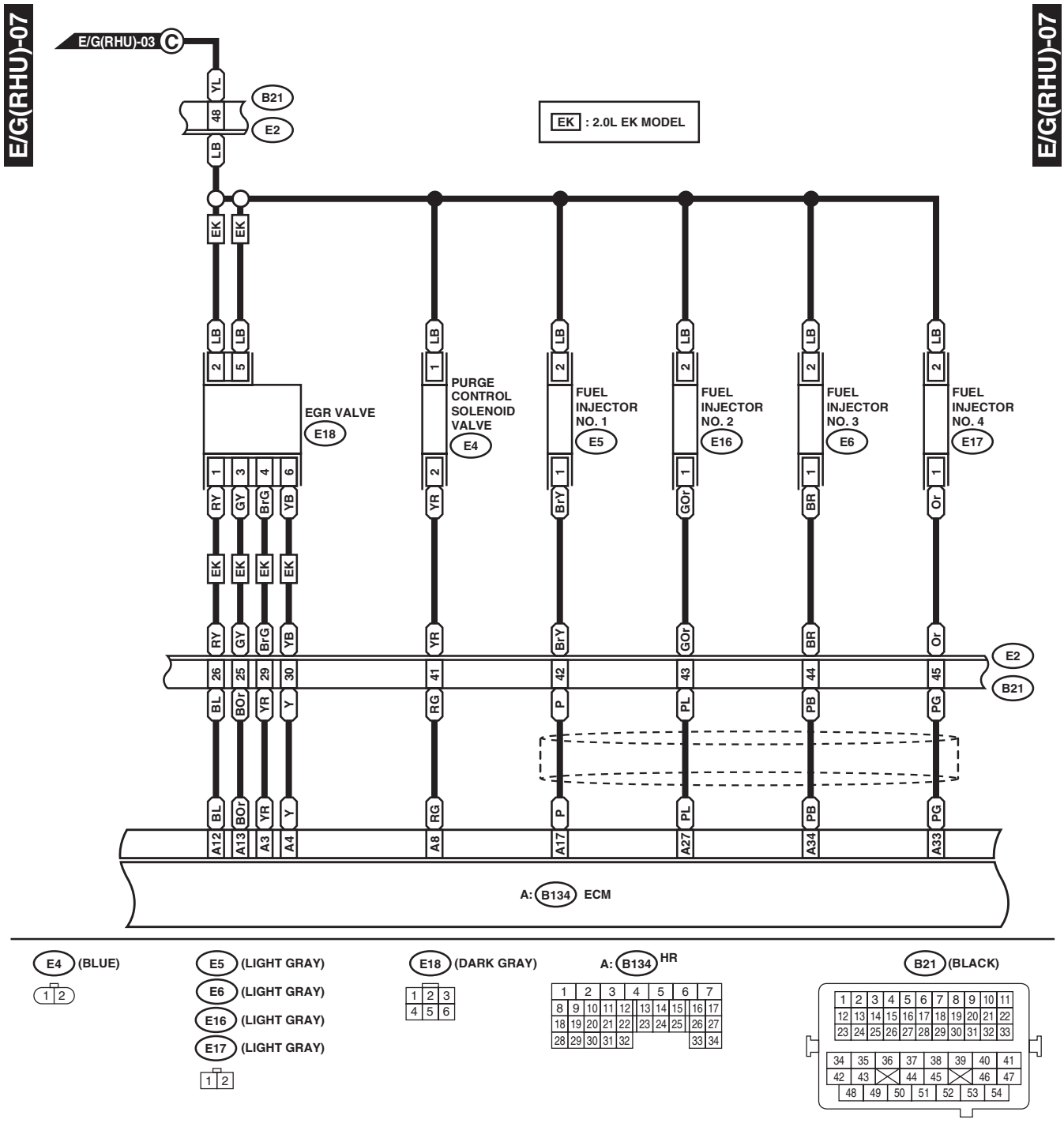
WI-07506


E/G(RHU)-05
E/G(RHU)-03 B
ACCELERATOR PEDAL POSITION SENSOR
TCM
B315
A: B54
REF. TO AT CONTROL SYSTEM [4AT(RHU)-03]
REAR OXYGEN SENSOR
FRONT OXYGEN (A/F) SENSOR
E24
B19
T5
B21
E2
G E/G(RHU)-08
H E/G(RHU)-06
*: TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 1, 2, 5 AND 6
I E/G(RHU)-06
AT
MT
JOINT CONNECTOR B
B122
J E/G(RHU)-08
K E/G(RHU)-08
A: B134 B: B135 C: B136 D: B137 ECM
T5
E24 (GRAY)
B315 (BLACK)
B122
A: B54 HR
D: B137 HR
B21 (BLACK)
A: B134 HR
B: B135 HR
C: B136 HR
WI-06910

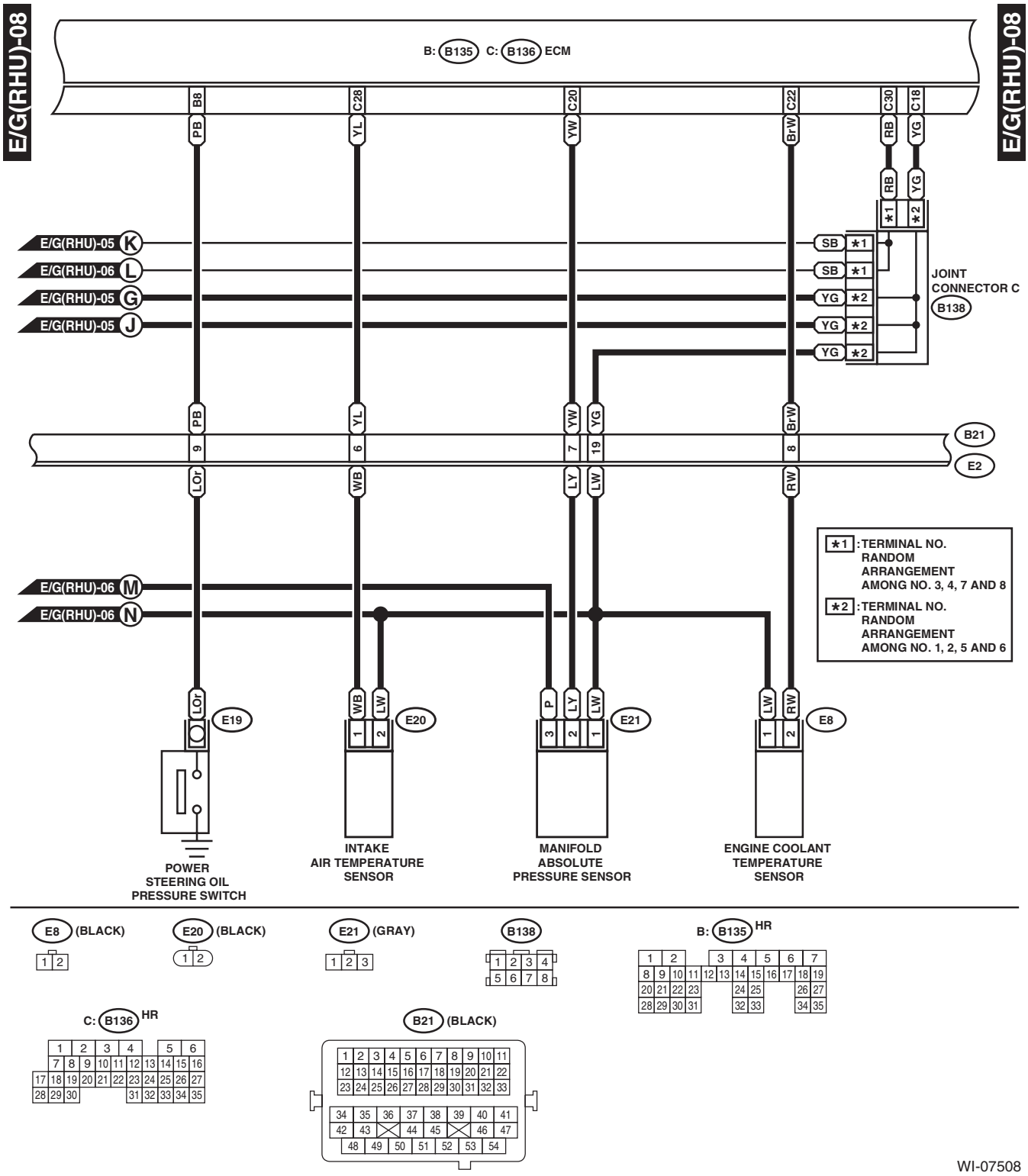

E/G(RHU)-06
E/G(RHU)-06
C: B136 D: B137 ECM
JOINT CONNECTOR B
B122
E/G(RHU)-05 H
E/G(RHU)-05 I
E/G(RHU)-08 L
E/G(RHU)-08 M
E/G(RHU)-08 N
E/G(RHU)-09 O
E/G(RHU)-09 P
B20
B21
E1
E2
E15
E10
E14
E78
CAMSHAFT POSITION SENSOR
CRANKSHAFT POSITION SENSOR
KNOCK SENSOR
ELECTRONIC THROTTLE CONTROL
*3 : WITH IMMOBILIZER : C26
WITHOUT IMMOBILIZER : C27
*4 : WITH IMMOBILIZER : C27
WITHOUT IMMOBILIZER : C26
*1 : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 3, 4, 7 AND 8


E10 (LIGHT GRAY)
E15 (GRAY)
E14 (BROWN)
E78 (BLACK)
B122
B20 (BROWN)
D: B137 HR
C: B136 HR
B21 (BLACK)

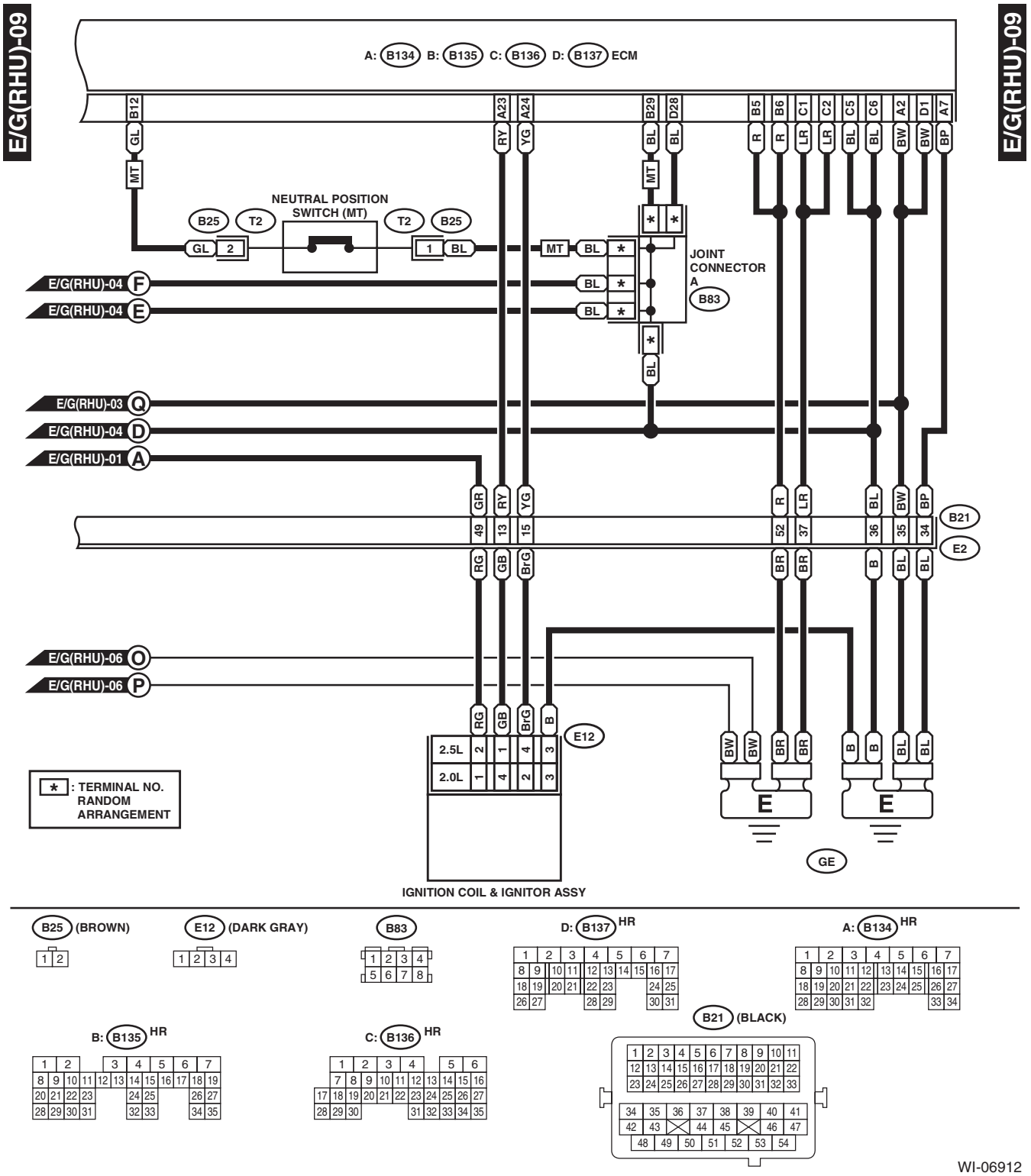
WI-06911


E/G(RHU)-07
E/G(RHU)-03 C
YL
48
B21
E2
LB
EK : 2.0L EK MODEL
EK
EK
LB
2
5
EGR VALVE
E18
1
3
4
6
RY
GY
BrG
YB
EK
EK
EK
EK
RY
GY
BrG
YB
26
25
29
30
BL
BOr
YR
Y
BL
BOr
YR
Y
A12
A13
A3
A4
LB
1
PURGE CONTROL SOLENOID VALVE
E4
2
YR
YR
41
RG
RG
A8
LB
2
FUEL INJECTOR NO. 1
E5
1
BrY
BrY
42
P
P
A17
LB
2
FUEL INJECTOR NO. 2
E16
1
GOr
GOr
43
PL
PL
A27
LB
2
FUEL INJECTOR NO. 3
E6
1
BR
BR
44
PB
PB
A34
LB
2
FUEL INJECTOR NO. 4
E17
1
Or
Or
45
PG
PG
A33
E2
B21
A: B134 ECM
E4 (BLUE)
E5 (LIGHT GRAY)
E6 (LIGHT GRAY)
E16 (LIGHT GRAY)
E17 (LIGHT GRAY)
E18 (DARK GRAY)
A: B134 HR
B21 (BLACK)

WI-07507


E/G(RHU)-08
E/G(RHU)-08
B: B135 C: B136 ECM
B8
C28
C20
C22
C30
C18
PB
YL
YW
BrW
RB
YG
E/G(RHU)-05 K
E/G(RHU)-06 L
E/G(RHU)-05 G
E/G(RHU)-05 J
SB ★1
SB ★1
YG ★2
YG ★2
YG ★2
JOINT CONNECTOR C
B138
9
6
7
19
8
B21
E2
LOr
WB
LY
LW
RW
E/G(RHU)-06 M
E/G(RHU)-06 N
★1 : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 3, 4, 7 AND 8
★2 : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 1, 2, 5 AND 6
E19
E20
E21
E8
P
POWER STEERING OIL PRESSURE SWITCH
INTAKE AIR TEMPERATURE SENSOR
MANIFOLD ABSOLUTE PRESSURE SENSOR
ENGINE COOLANT TEMPERATURE SENSOR
E8 (BLACK)
E20 (BLACK)
E21 (GRAY)
B138
B: B135 HR
C: B136 HR
B21 (BLACK)

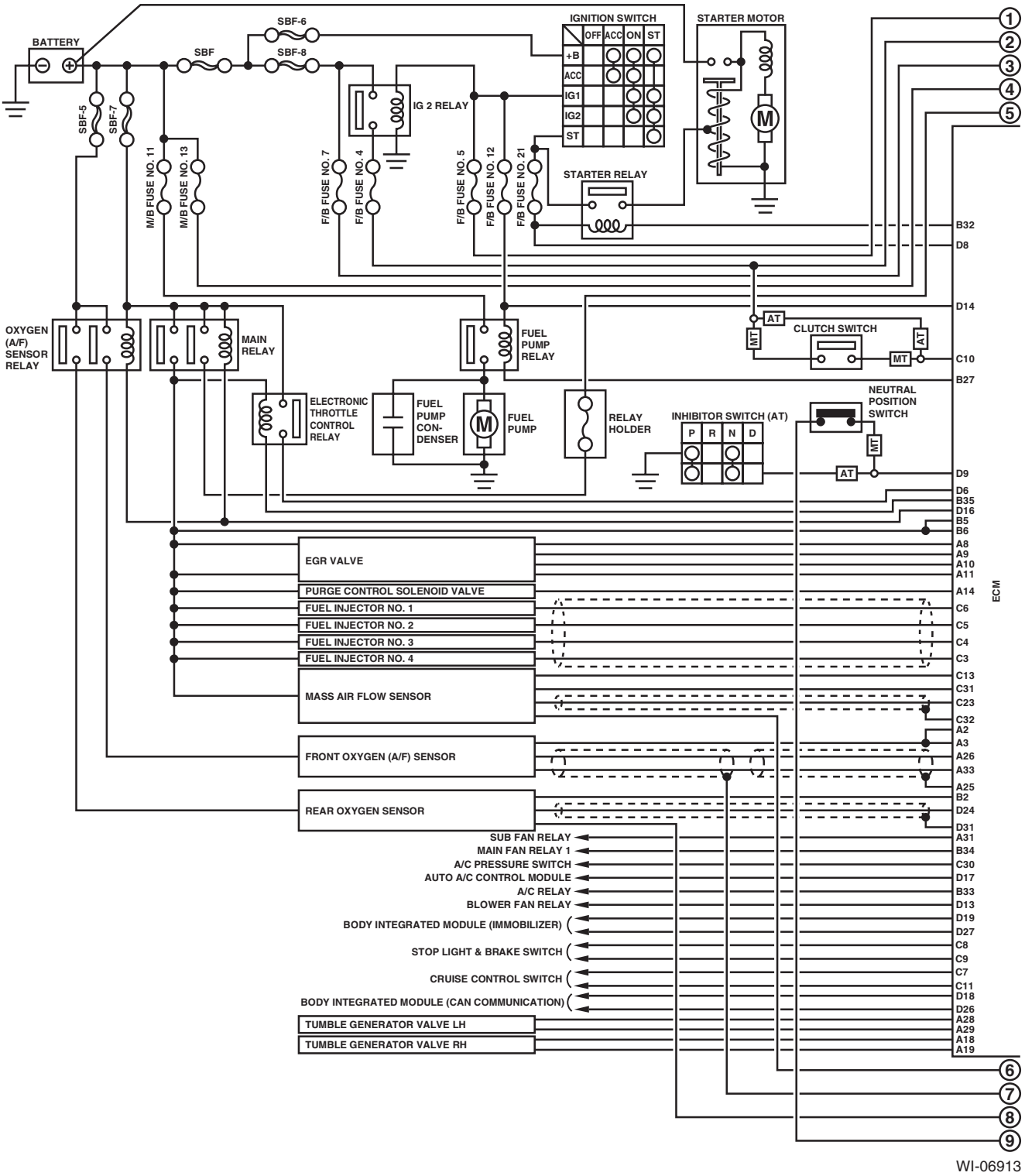
WI-07508


E/G(RHU)-09
A: B134 B: B135 C: B136 D: B137 ECM
NEUTRAL POSITION SWITCH (MT)
JOINT CONNECTOR A
B83
E/G(RHU)-04 F
E/G(RHU)-04 E
E/G(RHU)-03 Q
E/G(RHU)-04 D
E/G(RHU)-01 A
E/G(RHU)-06 O
E/G(RHU)-06 P
B21
E2
E12
2.5L
2.0L
GE
IGNITION COIL & IGNITOR ASSY
* : TERMINAL NO. RANDOM ARRANGEMENT

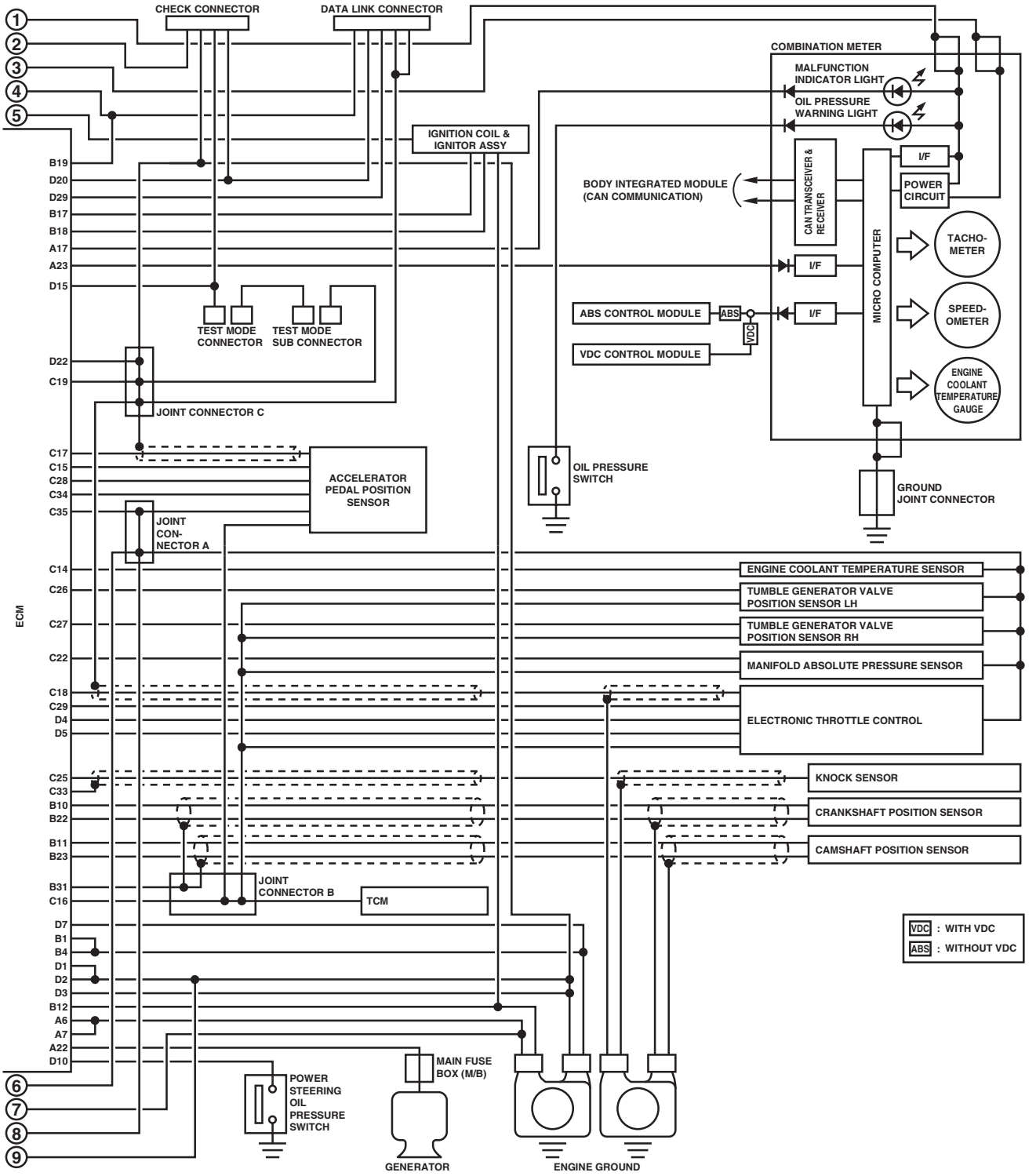
B25 (BROWN)
E12 (DARK GRAY)
B83
D: B137 HR
A: B134 HR
B: B135 HR
C: B136 HR
B21 (BLACK)

WI-06912

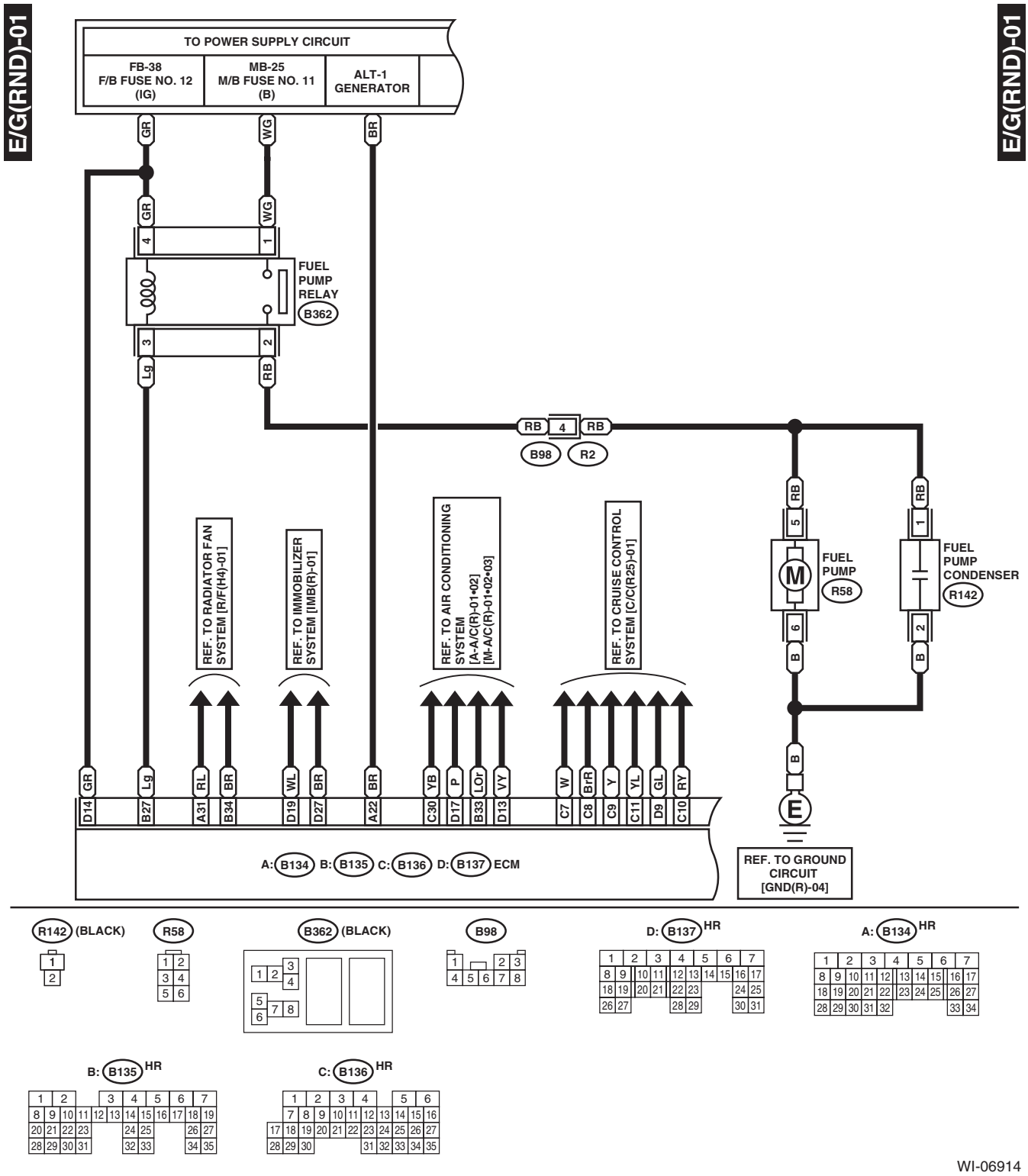
5. RHD 2.5 L EK MODEL



WI-06913

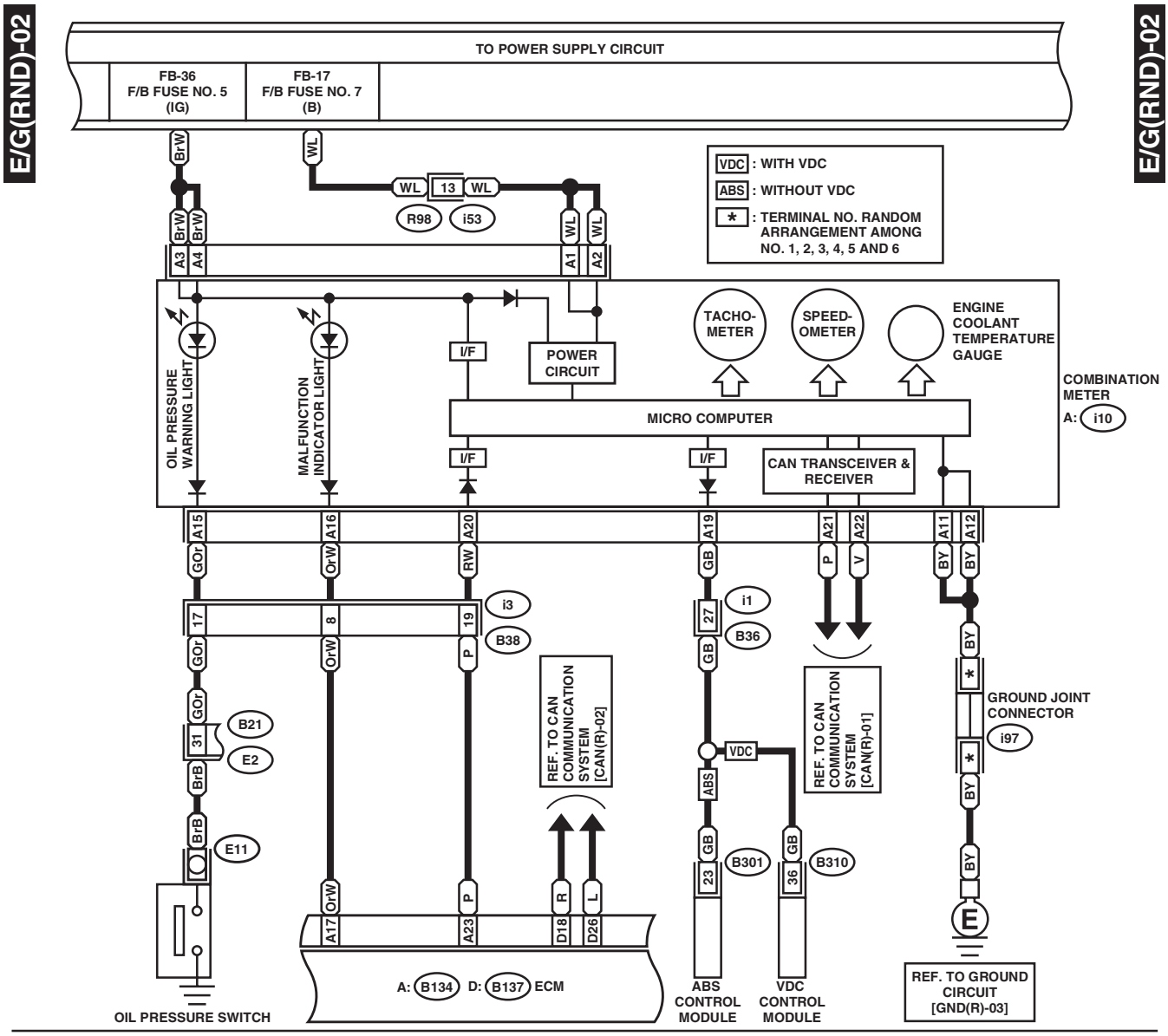

CHECK CONNECTOR
DATA LINK CONNECTOR
COMBINATION METER
MALFUNCTION INDICATOR LIGHT
OIL PRESSURE WARNING LIGHT
IGNITION COIL & IGNITOR ASSY
BODY INTEGRATED MODULE (CAN COMMUNICATION)
CAN TRANSCEIVER & RECEIVER
I/F
POWER CIRCUIT
MICRO COMPUTER
TACHO-METER
SPEED-OMETER
ENGINE COOLANT TEMPERATURE GAUGE
ABS CONTROL MODULE
VDC CONTROL MODULE
ABS
VDC
TEST MODE CONNECTOR
TEST MODE SUB CONNECTOR
JOINT CONNECTOR C
ACCELERATOR PEDAL POSITION SENSOR
OIL PRESSURE SWITCH
GROUND JOINT CONNECTOR
JOINT CON-NECTOR A
ECM
ENGINE COOLANT TEMPERATURE SENSOR
TUMBLE GENERATOR VALVE POSITION SENSOR LH
TUMBLE GENERATOR VALVE POSITION SENSOR RH
MANIFOLD ABSOLUTE PRESSURE SENSOR
ELECTRONIC THROTTLE CONTROL
KNOCK SENSOR
CRANKSHAFT POSITION SENSOR
CAMSHAFT POSITION SENSOR
JOINT CONNECTOR B
TCM
VDC : WITH VDC
ABS : WITHOUT VDC
POWER STEERING OIL PRESSURE SWITCH
MAIN FUSE BOX (M/B)
GENERATOR
ENGINE GROUND
B19
D20
D29
B17
B18
A17
A23
D15
D22
C19
C17
C15
C28
C34
C35
C14
C26
C27
C22
C18
C29
D4
D5
C25
C33
B10
B22
B11
B23
B31
C16
D7
B1
B4
D1
D2
D3
B12
A6
A7
A22
D10

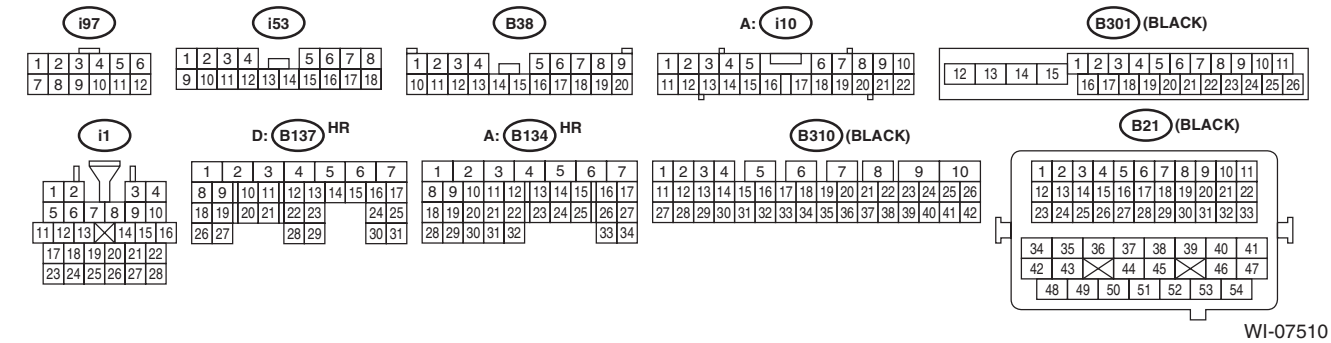
WI-07509


E/G(RND)-01
E/G(RND)-01
TO POWER SUPPLY CIRCUIT
FB-38
F/B FUSE NO. 12
(IG)
MB-25
M/B FUSE NO. 11
(B)
ALT-1
GENERATOR
GR
WG
BR
FUEL
PUMP
RELAY
B362
Lg
RB
RB
4
RB
B98
R2
REF. TO RADIATOR FAN
SYSTEM [R/F(H4)-01]
REF. TO IMMOBILIZER
SYSTEM [IMB(R)-01]
REF. TO AIR CONDITIONING
SYSTEM
[A-A/C(R)-01•02]
[M-A/C(R)-01•02•03]
REF. TO CRUISE CONTROL
SYSTEM [C/C(R25)-01]
FUEL
PUMP
R58
FUEL
PUMP
CONDENSER
R142
GR
Lg
RL
BR
WL
BR
BR
YB
P
LOr
VY
W
BrR
Y
YL
GL
RY
D14
B27
A31
B34
D19
D27
A22
C30
D17
B33
D13
C7
C8
C9
C11
D9
C10
A: B134 B: B135 C: B136 D: B137 ECM
REF. TO GROUND
CIRCUIT
[GND(R)-04]
R142 (BLACK)
R58
B362 (BLACK)
B98
D: B137 HR
A: B134 HR
B: B135 HR
C: B136 HR

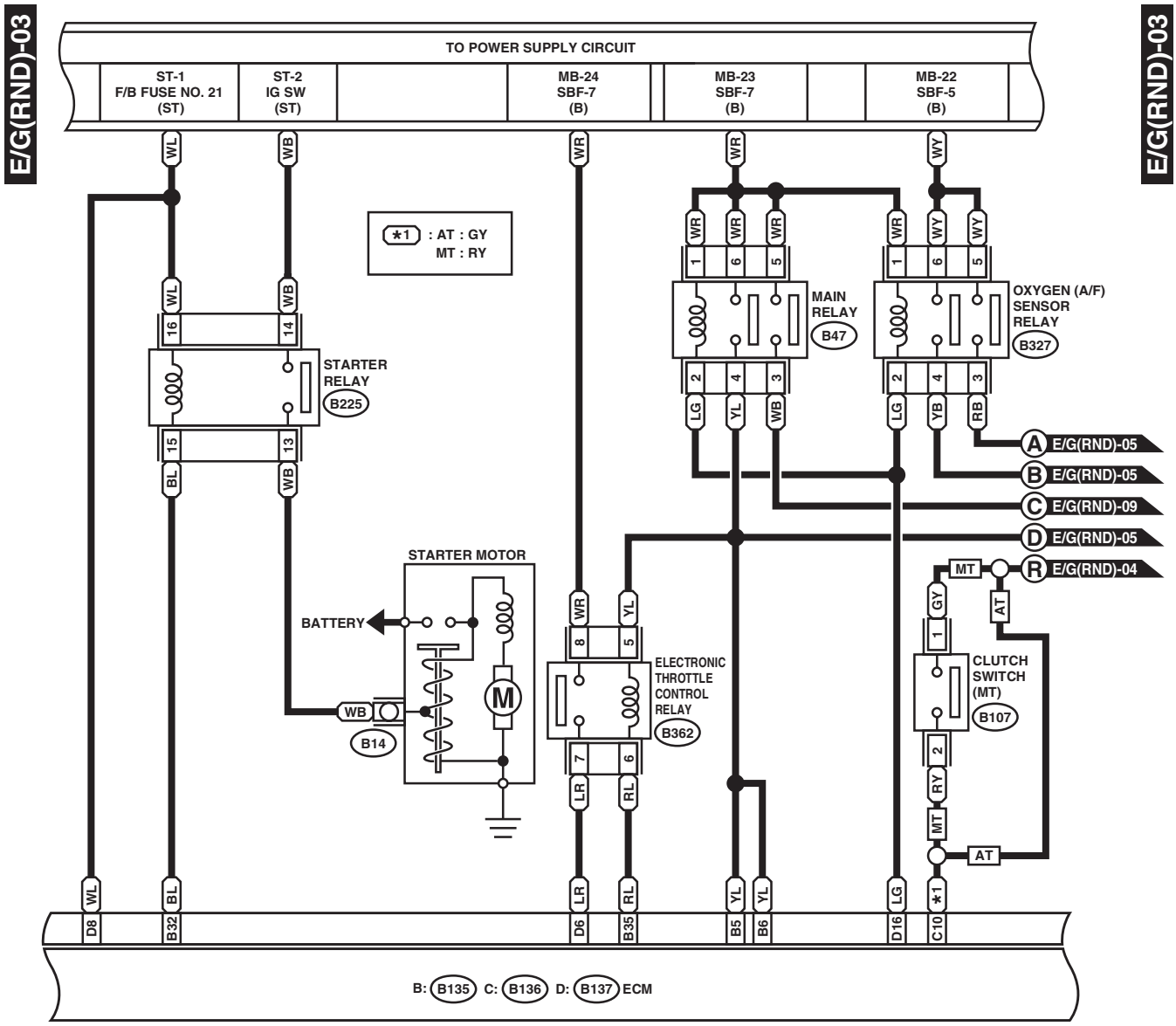
WI-06914

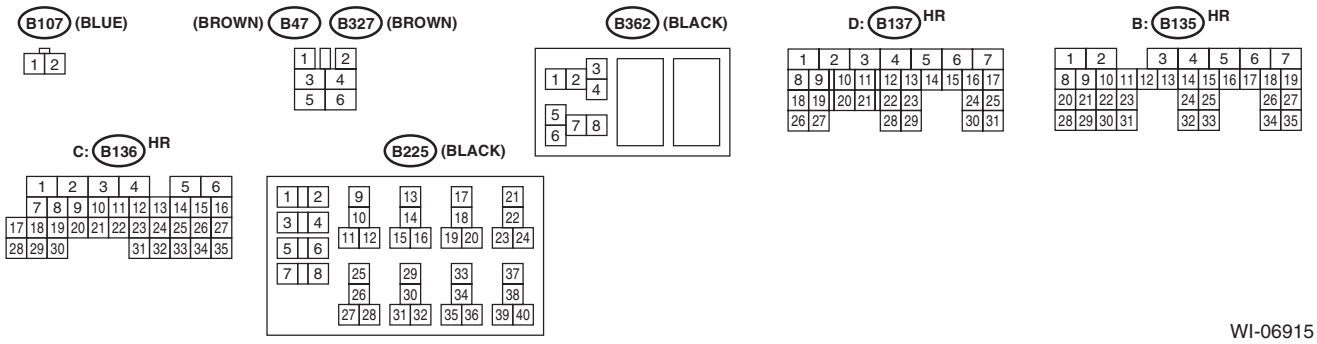
E/G(RND)-02



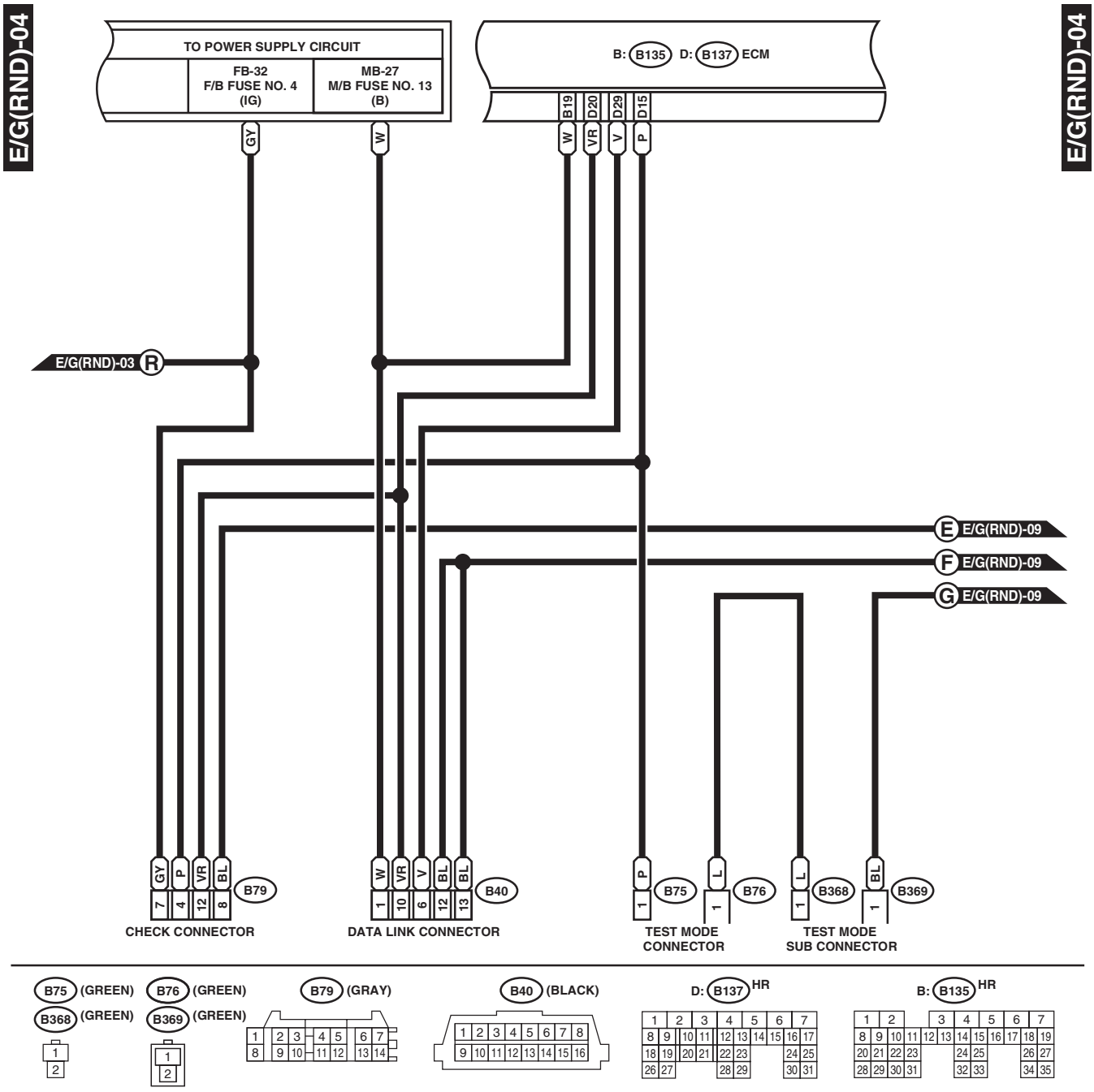


WI-07510

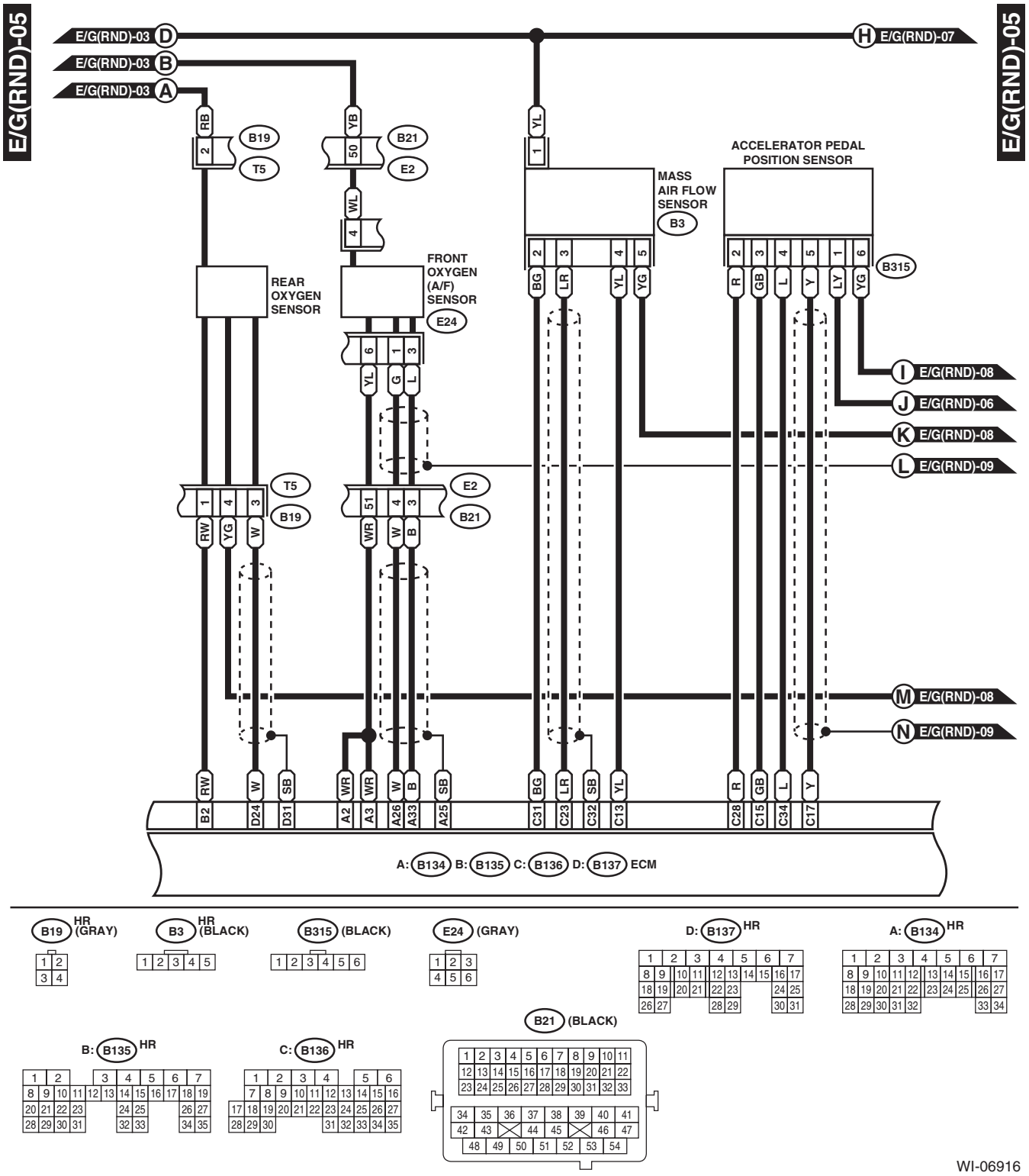

E/G(RND)-03
E/G(RND)-03
TO POWER SUPPLY CIRCUIT
ST-1
F/B FUSE NO. 21
(ST)
ST-2
IG SW
(ST)
MB-24
SBF-7
(B)
MB-23
SBF-7
(B)
MB-22
SBF-5
(B)
*1 : AT : GY
MT : RY
STARTER
RELAY
B225
MAIN
RELAY
B47
OXYGEN (A/F)
SENSOR
RELAY
B327
STARTER MOTOR
BATTERY
B14
ELECTRONIC
THROTTLE
CONTROL
RELAY
B362
CLUTCH
SWITCH
(MT)
B107
A E/G(RND)-05
B E/G(RND)-05
C E/G(RND)-09
D E/G(RND)-05
R E/G(RND)-04
B: B135 C: B136 D: B137 ECM

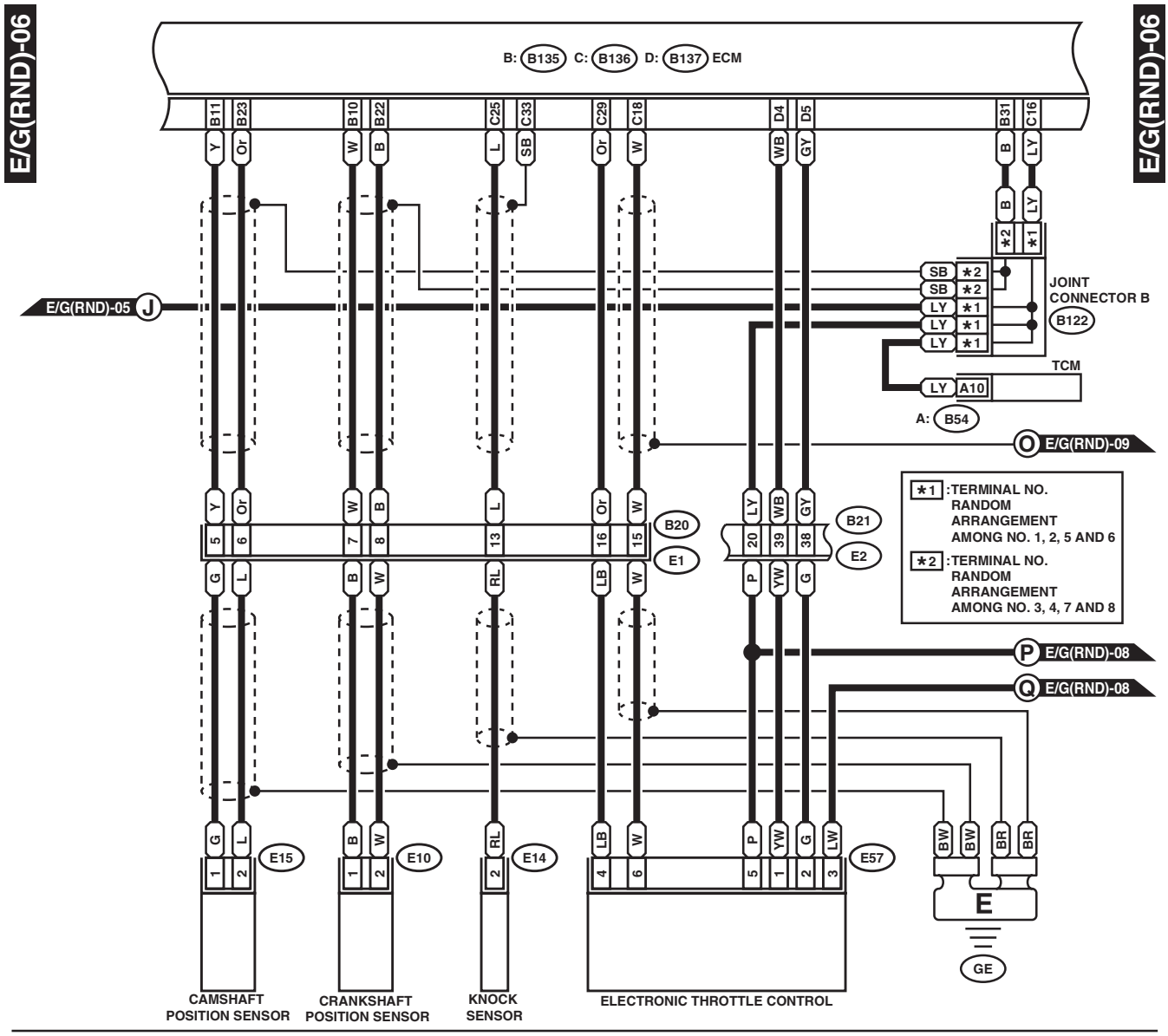

B107 (BLUE)
(BROWN) B47 B327 (BROWN)
B362 (BLACK)
D: B137 HR
B: B135 HR
C: B136 HR
B225 (BLACK)

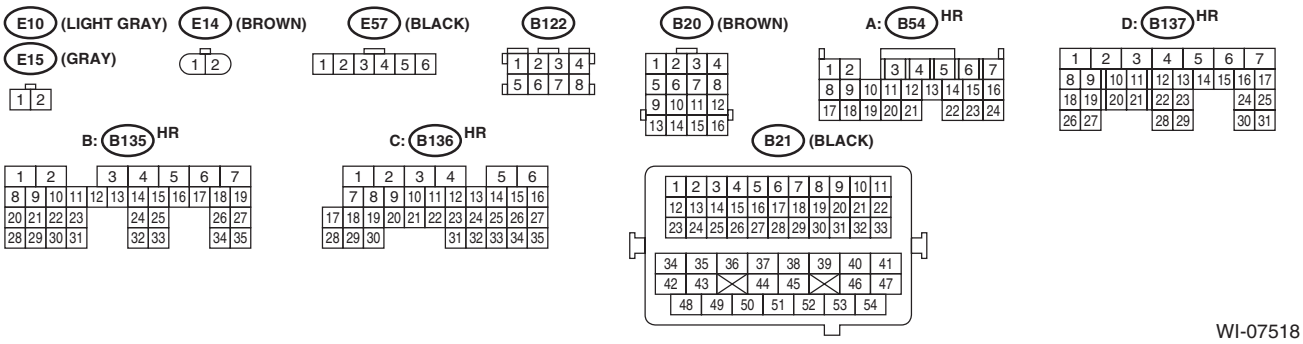
WI-06915


E/G(RND)-04
E/G(RND)-04
TO POWER SUPPLY CIRCUIT
FB-32
F/B FUSE NO. 4
(IG)
MB-27
M/B FUSE NO. 13
(B)
B: B135 D: B137 ECM
B19
D20
D29
D15
GY
W
W
VR
V
P
E/G(RND)-03 R
E E/G(RND)-09
F E/G(RND)-09
G E/G(RND)-09
GY
P
VR
BL
B79
7
4
12
8
CHECK CONNECTOR
W
VR
V
BL
BL
B40
1
10
6
12
13
DATA LINK CONNECTOR
P
B75
1
L
B76
1
TEST MODE
CONNECTOR
L
B368
1
BL
B369
1
TEST MODE
SUB CONNECTOR
B75 (GREEN)
B368 (GREEN)
B76 (GREEN)
B369 (GREEN)
B79 (GRAY)
B40 (BLACK)
D: B137 HR
B: B135 HR

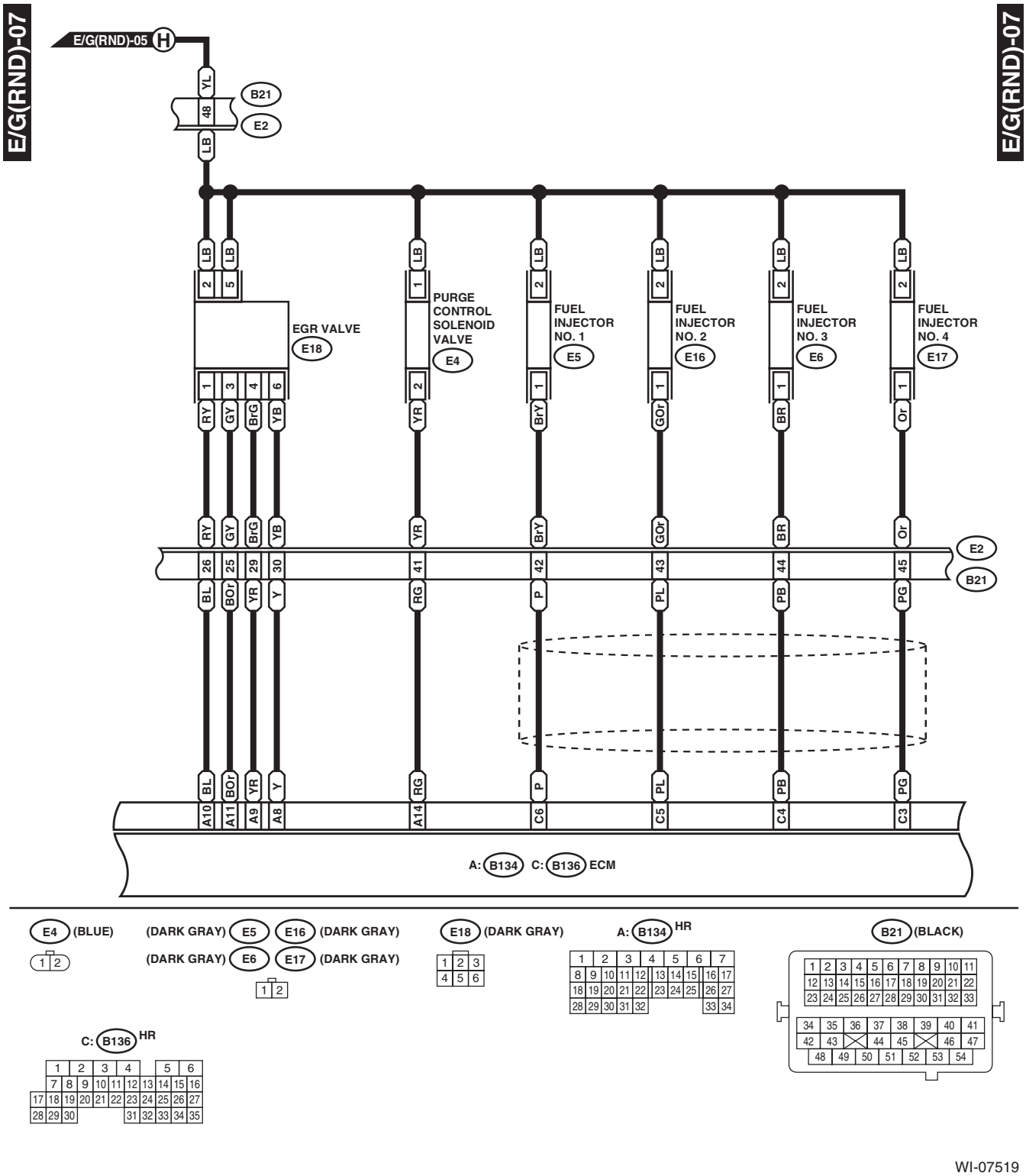
WI-07517


E/G(RND)-05
E/G(RND)-03 D
E/G(RND)-03 B
E/G(RND)-03 A
H E/G(RND)-07
B19
T5
B21
E2
ACCELERATOR PEDAL POSITION SENSOR
MASS AIR FLOW SENSOR
B3
B315
REAR OXYGEN SENSOR
FRONT OXYGEN (A/F) SENSOR
E24
I E/G(RND)-08
J E/G(RND)-06
K E/G(RND)-08
L E/G(RND)-09
M E/G(RND)-08
N E/G(RND)-09
A: B134 B: B135 C: B136 D: B137 ECM
B19 HR (GRAY)
B3 HR (BLACK)
B315 (BLACK)
E24 (GRAY)
D: B137 HR
A: B134 HR
B: B135 HR
C: B136 HR
B21 (BLACK)
WI-06916

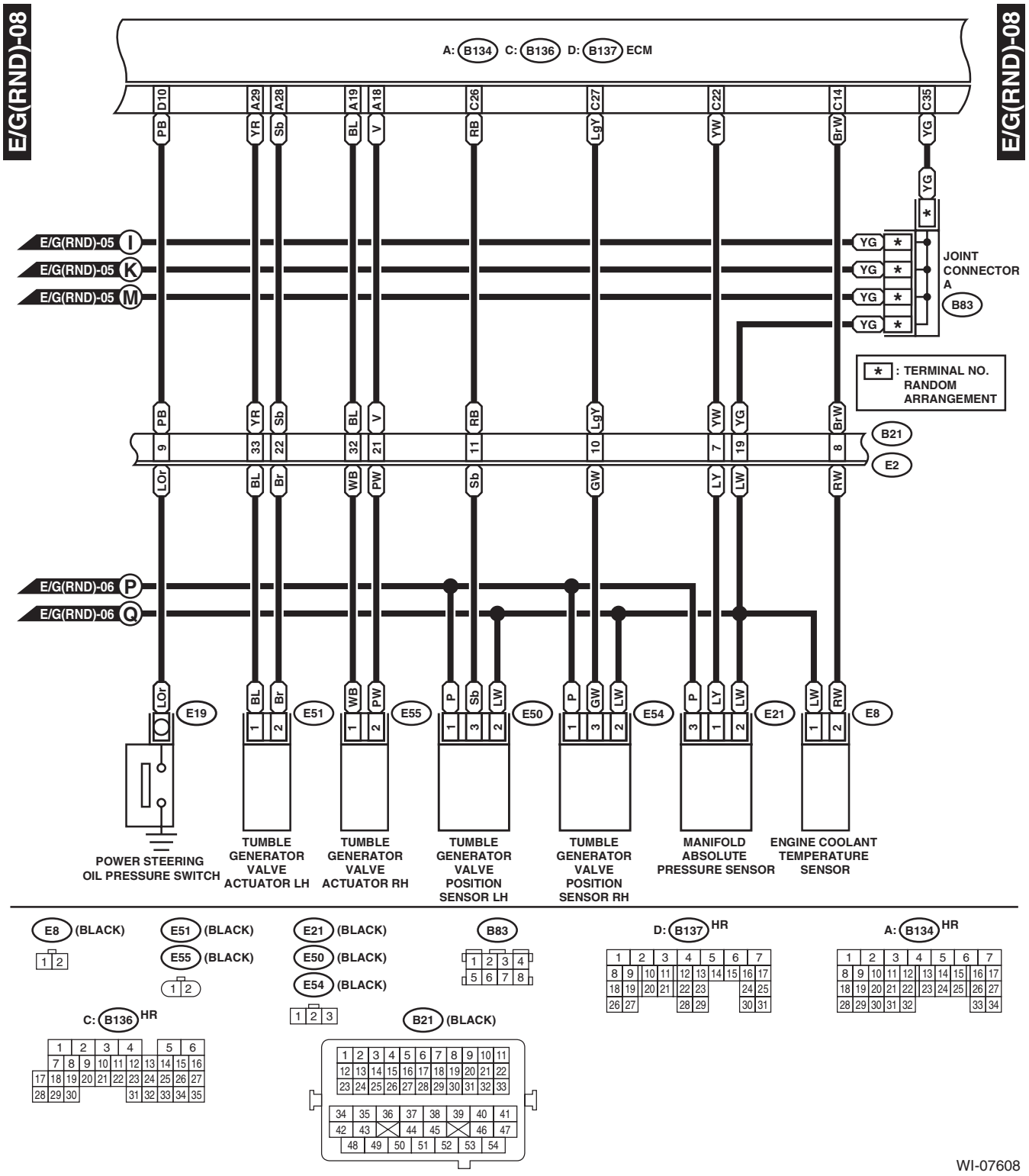

E/G(RND)-06
E/G(RND)-06
B: B135 C: B136 D: B137 ECM
B11 B23 B10 B22 C25 C33 C29 C18 D4 D5 B31 C16
Y Or W B L SB Or W WB GY B LY
*2 *1
SB *2
SB *2
LY *1
LY *1
LY *1
JOINT CONNECTOR B
B122
TCM
LY A10
A: B54
E/G(RND)-05 J
O E/G(RND)-09
*1 :TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 1, 2, 5 AND 6
*2 :TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 3, 4, 7 AND 8
B20
E1
B21
E2
P E/G(RND)-08
Q E/G(RND)-08
E15
E10
E14
E57
E
GE
CAMSHAFT POSITION SENSOR
CRANKSHAFT POSITION SENSOR
KNOCK SENSOR
ELECTRONIC THROTTLE CONTROL


E10 (LIGHT GRAY)
E14 (BROWN)
E57 (BLACK)
B122
B20 (BROWN)
A: B54 HR
D: B137 HR
E15 (GRAY)
B: B135 HR
C: B136 HR
B21 (BLACK)

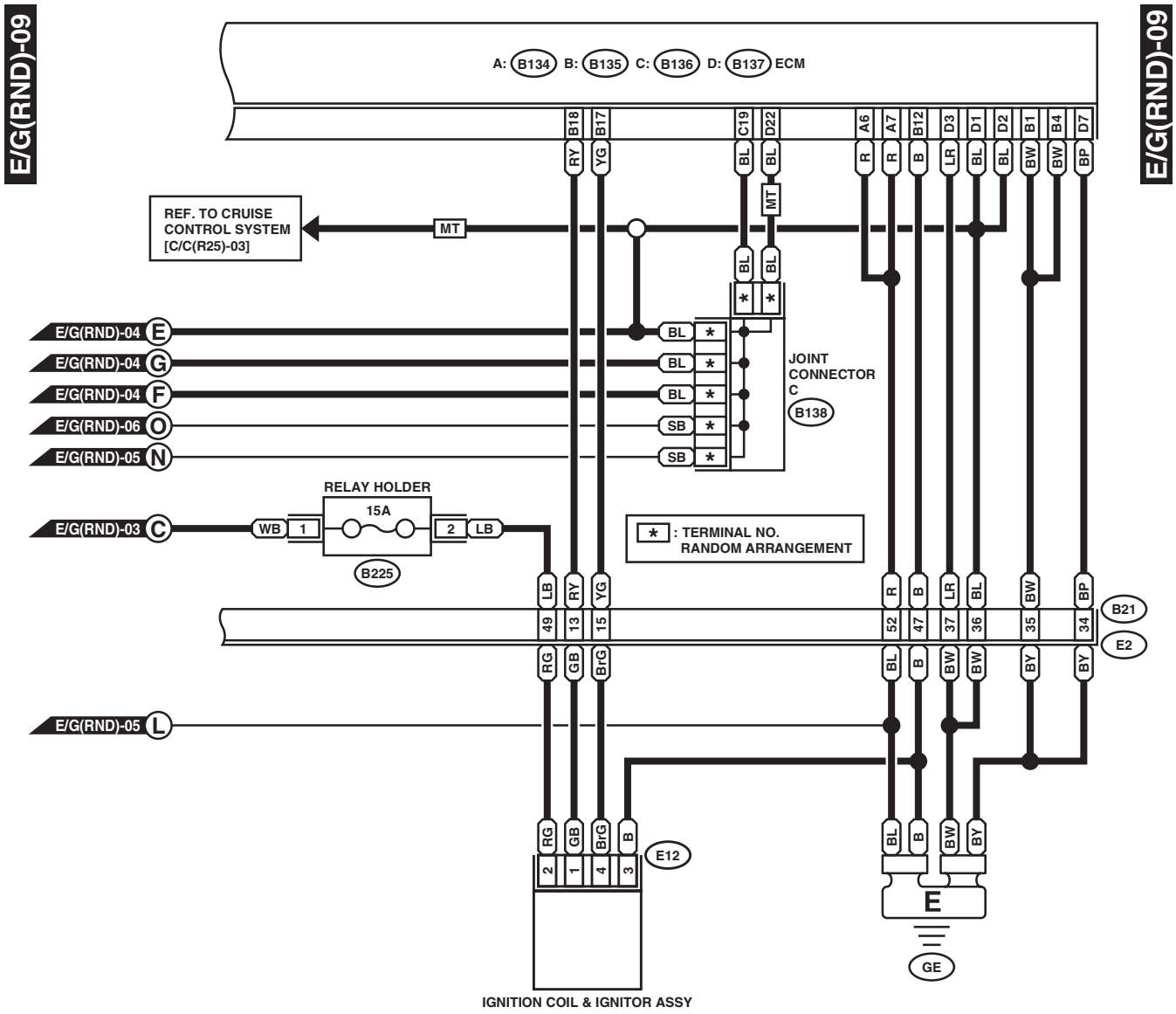
WI-07518

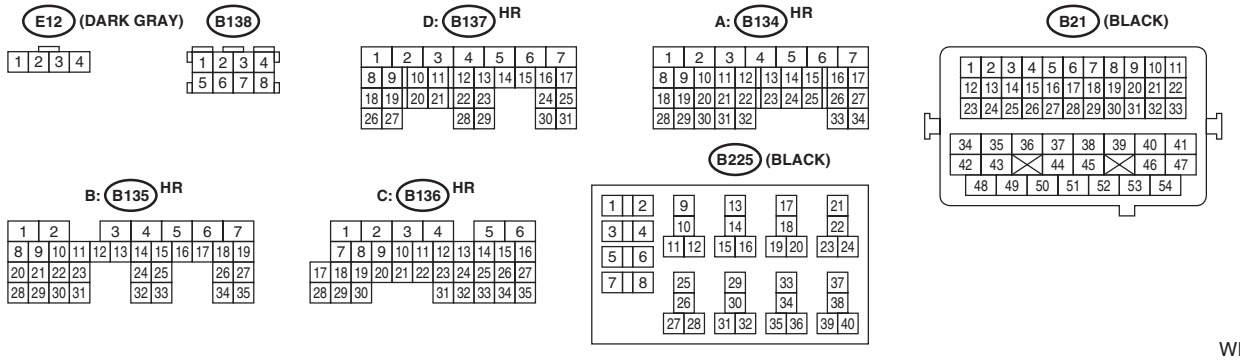

E/G(RND)-07
E/G(RND)-05 H
YL
48
B21
E2
LB
EGR VALVE
E18
PURGE CONTROL SOLENOID VALVE
E4
FUEL INJECTOR NO. 1
E5
FUEL INJECTOR NO. 2
E16
FUEL INJECTOR NO. 3
E6
FUEL INJECTOR NO. 4
E17
RY
GY
BrG
YB
YR
BrY
GOr
BR
Or
26
25
29
30
41
42
43
44
45
BL
BOr
YR
Y
RG
P
PL
PB
PG
A10
A11
A9
A8
A14
C6
C5
C4
C3
A: B134 C: B136 ECM
E4 (BLUE)
(DARK GRAY) E5 E16 (DARK GRAY)
(DARK GRAY) E6 E17 (DARK GRAY)
E18 (DARK GRAY)
A: B134 HR
B21 (BLACK)
C: B136 HR

WI-07519


E/G(RND)-08
E/G(RND)-08
A: B134 C: B136 D: B137 ECM
D10 A29 A28 A19 A18 C26 C27 C22 C14 C35
PB YR Sb BL V RB LgY YW BrW YG
YG
E/G(RND)-05 I
E/G(RND)-05 K
E/G(RND)-05 M
JOINT CONNECTOR A
B83
: TERMINAL NO. RANDOM ARRANGEMENT
B21
E2
9 33 22 32 21 11 10 7 19 8
LOr BL Br WB PW Sb GW LY LW RW
E/G(RND)-06 P
E/G(RND)-06 Q
E19 E51 E55 E50 E54 E21 E8
POWER STEERING OIL PRESSURE SWITCH
TUMBLE GENERATOR VALVE ACTUATOR LH
TUMBLE GENERATOR VALVE ACTUATOR RH
TUMBLE GENERATOR VALVE POSITION SENSOR LH
TUMBLE GENERATOR VALVE POSITION SENSOR RH
MANIFOLD ABSOLUTE PRESSURE SENSOR
ENGINE COOLANT TEMPERATURE SENSOR
E8 (BLACK)
E51 (BLACK)
E55 (BLACK)
E21 (BLACK)
E50 (BLACK)
E54 (BLACK)
B83
D: B137 HR
A: B134 HR
C: B136 HR
B21 (BLACK)

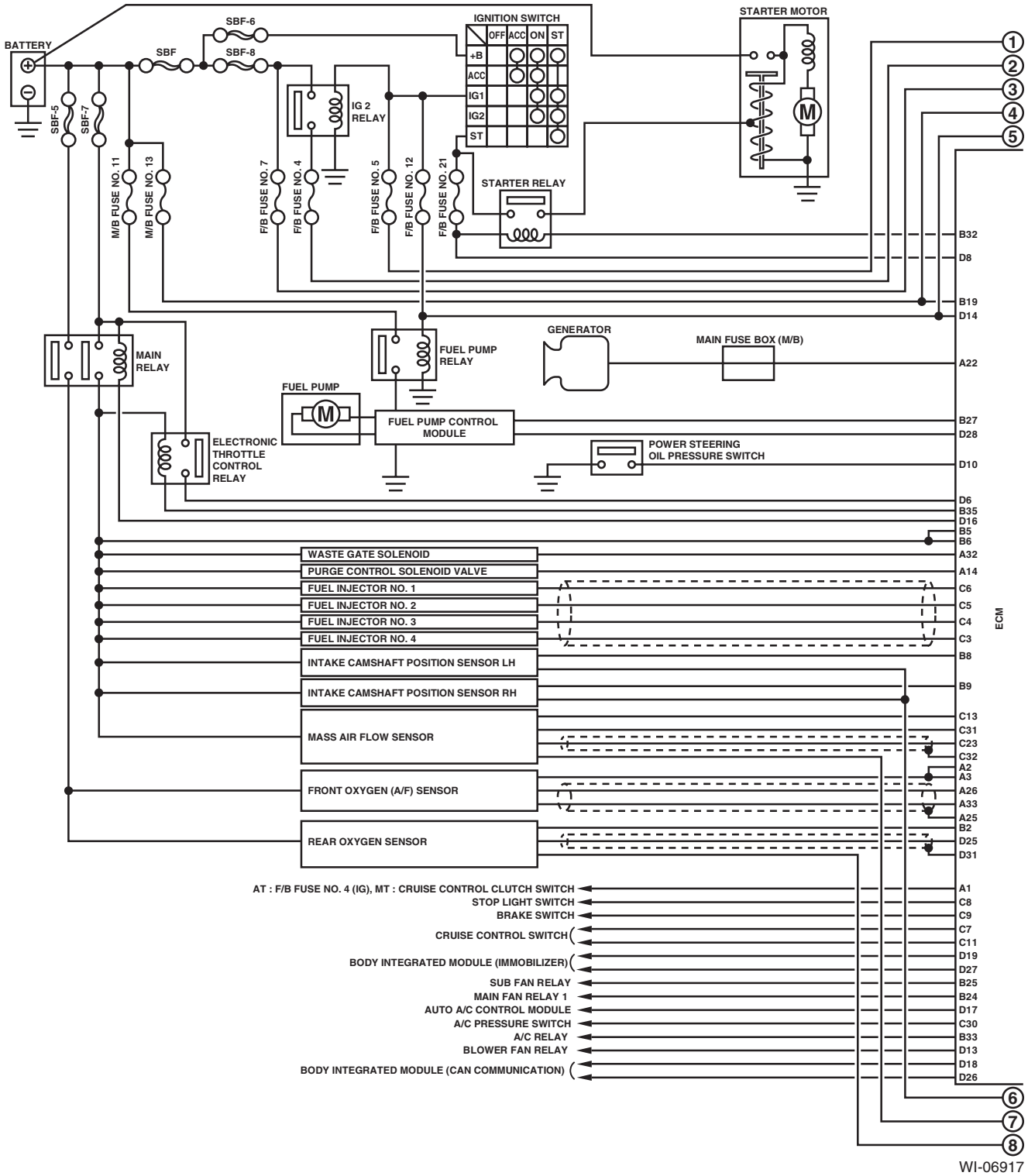
WI-07608


E/G(RND)-09
A: B134 B: B135 C: B136 D: B137 ECM
REF. TO CRUISE CONTROL SYSTEM [C/C(R25)-03]
MT
JOINT CONNECTOR C
B138
RELAY HOLDER
15A
B225
* : TERMINAL NO. RANDOM ARRANGEMENT
E/G(RND)-04 E
E/G(RND)-04 G
E/G(RND)-04 F
E/G(RND)-06 O
E/G(RND)-05 N
E/G(RND)-03 C
E/G(RND)-05 L
B21
E2
E12
E
GE
IGNITION COIL & IGNITOR ASSY

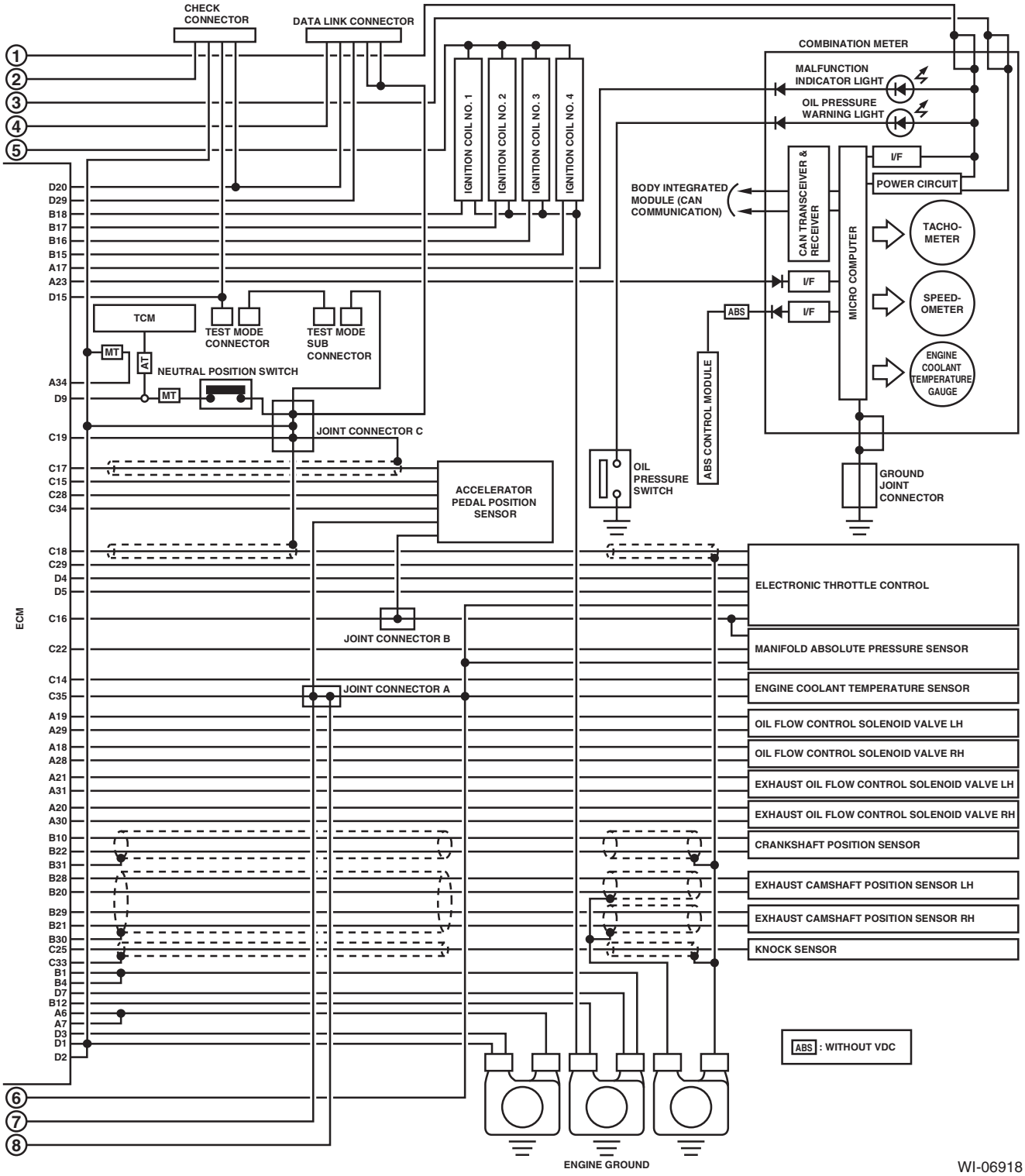

E12 (DARK GRAY)
B138
D: B137 HR
A: B134 HR
B21 (BLACK)
B: B135 HR
C: B136 HR
B225 (BLACK)

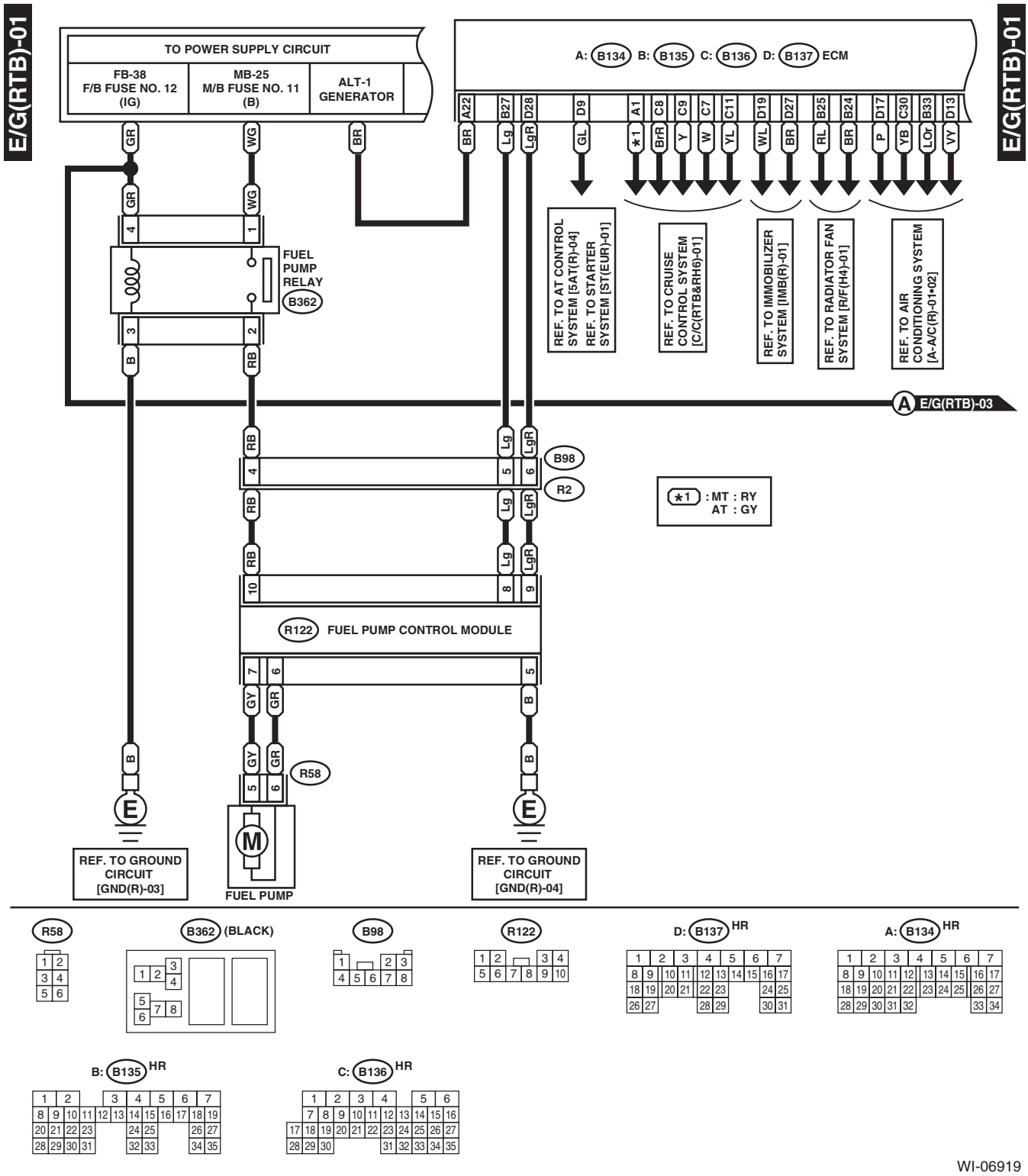
WI-07520

6. RHD TURBO MODEL

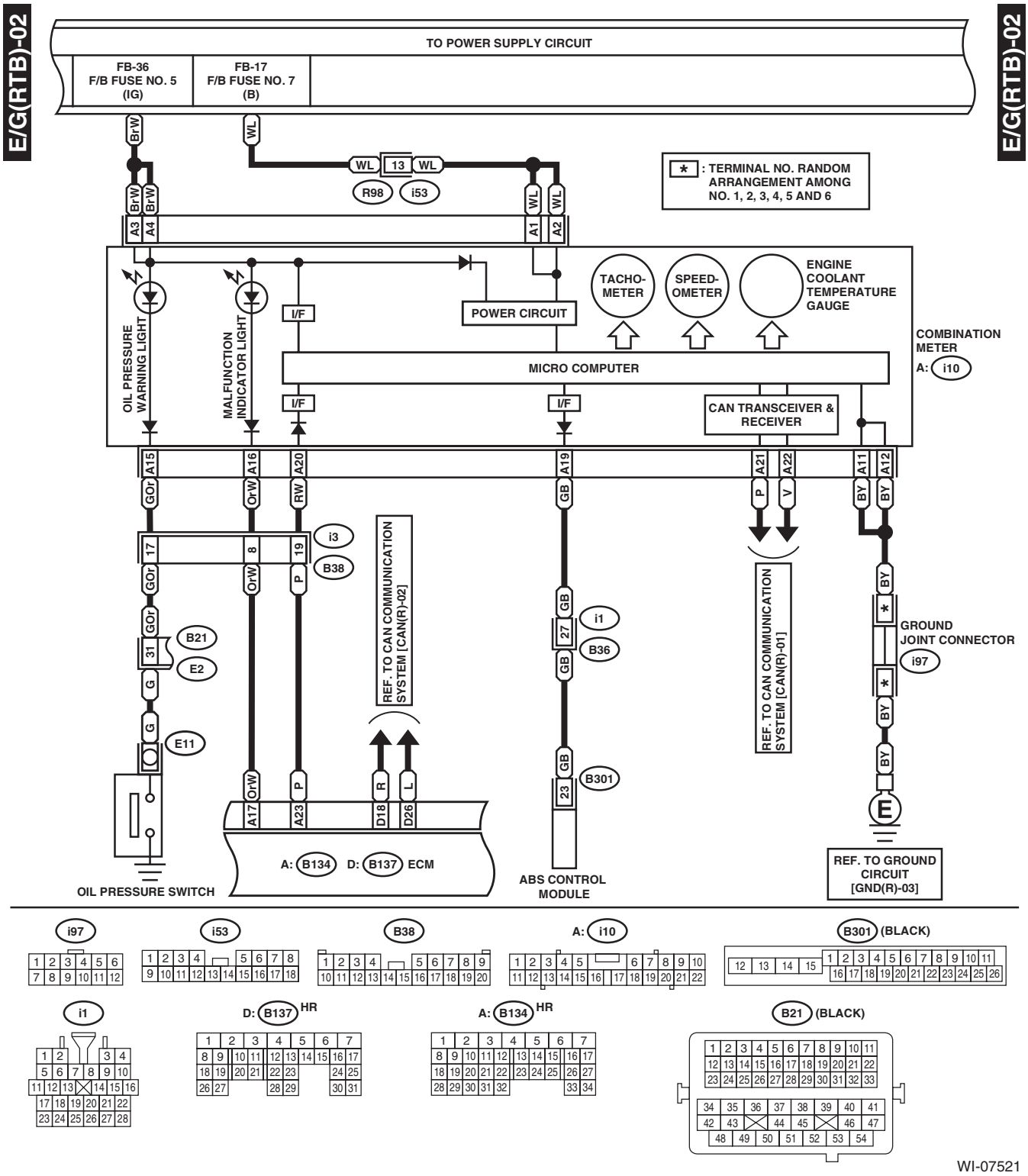


WI-06917

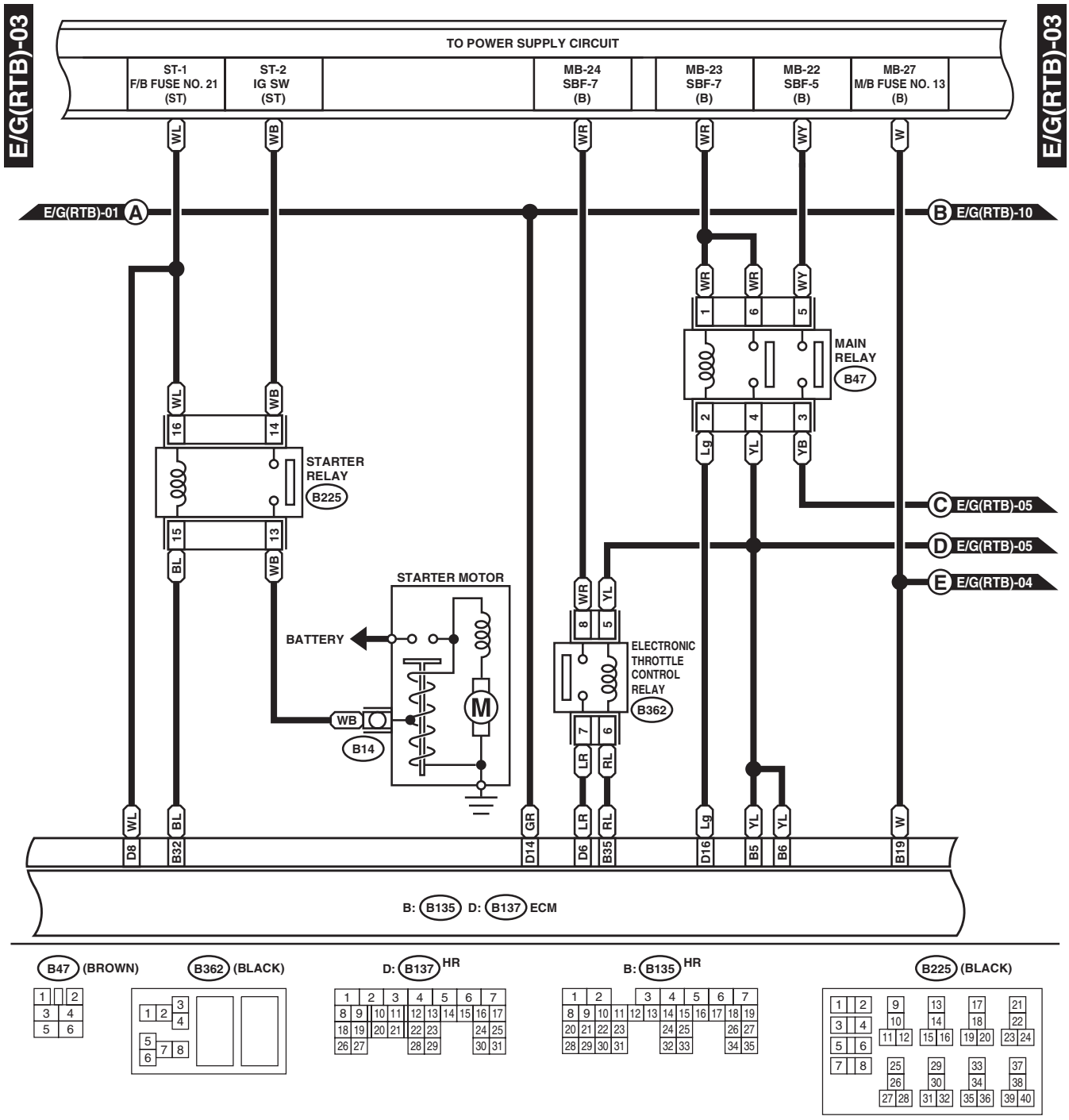

CHECK CONNECTOR
DATA LINK CONNECTOR
COMBINATION METER
MALFUNCTION INDICATOR LIGHT
OIL PRESSURE WARNING LIGHT
IGNITION COIL NO. 1
IGNITION COIL NO. 2
IGNITION COIL NO. 3
IGNITION COIL NO. 4
BODY INTEGRATED MODULE (CAN COMMUNICATION)
CAN TRANSCEIVER & RECEIVER
MICRO COMPUTER
I/F
POWER CIRCUIT
TACHO-METER
SPEED-OMETER
ENGINE COOLANT TEMPERATURE GAUGE
ABS
ABS CONTROL MODULE
TCM
TEST MODE CONNECTOR
TEST MODE SUB CONNECTOR
MT
AT
NEUTRAL POSITION SWITCH
JOINT CONNECTOR C
OIL PRESSURE SWITCH
GROUND JOINT CONNECTOR
ACCELERATOR PEDAL POSITION SENSOR
ECM
JOINT CONNECTOR B
JOINT CONNECTOR A
ELECTRONIC THROTTLE CONTROL
MANIFOLD ABSOLUTE PRESSURE SENSOR
ENGINE COOLANT TEMPERATURE SENSOR
OIL FLOW CONTROL SOLENOID VALVE LH
OIL FLOW CONTROL SOLENOID VALVE RH
EXHAUST OIL FLOW CONTROL SOLENOID VALVE LH
EXHAUST OIL FLOW CONTROL SOLENOID VALVE RH
CRANKSHAFT POSITION SENSOR
EXHAUST CAMSHAFT POSITION SENSOR LH
EXHAUST CAMSHAFT POSITION SENSOR RH
KNOCK SENSOR
ABS : WITHOUT VDC
ENGINE GROUND
WI-06918


E/G(RTB)-01
TO POWER SUPPLY CIRCUIT
FB-38 F/B FUSE NO. 12 (IG)
MB-25 M/B FUSE NO. 11 (B)
ALT-1 GENERATOR
A: B134 B: B135 C: B136 D: B137 ECM
A22 B27 D28 D9 A1 C8 C9 C7 C11 D19 D27 B25 B24 D17 C30 B33 D13
BR Lg LgR GL ✱1 BrR Y W YL WL BR RL BR P YB LOr VY
GR WG BR
FUEL PUMP RELAY B362
REF. TO AT CONTROL SYSTEM [5AT(R)-04]
REF. TO STARTER SYSTEM [ST(EUR)-01]
REF. TO CRUISE CONTROL SYSTEM [C/C(RTB&RH6)-01]
REF. TO IMMOBILIZER SYSTEM [IMB(R)-01]
REF. TO RADIATOR FAN SYSTEM [R/F(H4)-01]
REF. TO AIR CONDITIONING SYSTEM [A-A/C(R)-01•02]
A E/G(RTB)-03
B98
R2
✱1 : MT : RY
AT : GY
R122 FUEL PUMP CONTROL MODULE
R58
REF. TO GROUND CIRCUIT [GND(R)-03]
REF. TO GROUND CIRCUIT [GND(R)-04]
FUEL PUMP
R58
B362 (BLACK)
B98
R122
D: B137 HR
A: B134 HR
B: B135 HR
C: B136 HR
E/G(RTB)-01

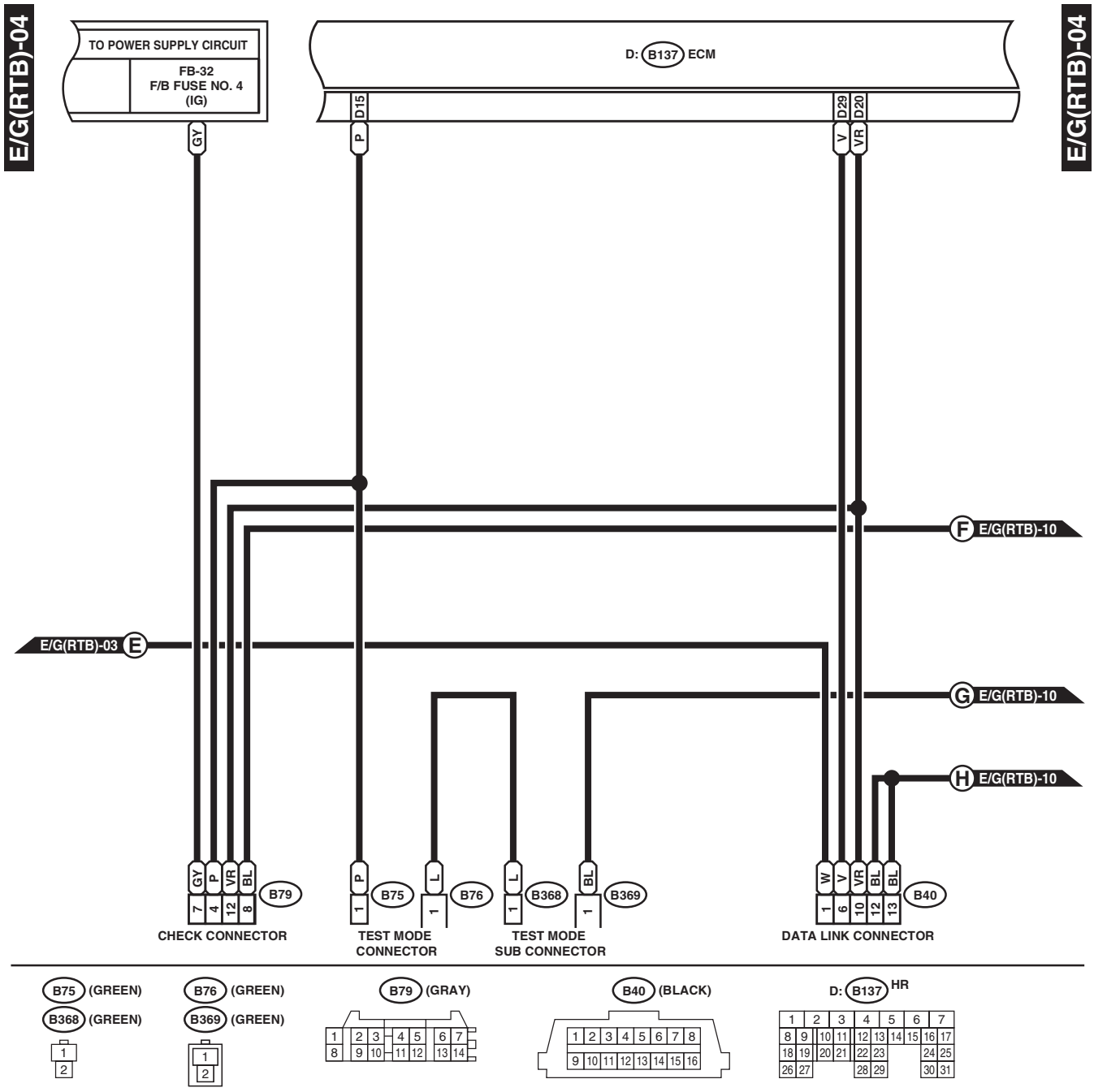
WI-06919


E/G(RTB)-02
E/G(RTB)-02
TO POWER SUPPLY CIRCUIT
FB-36
F/B FUSE NO. 5
(IG)
FB-17
F/B FUSE NO. 7
(B)
BrW
WL
WL
13
WL
R98
i53
BrW
BrW
WL
WL
A3
A4
A1
A2
* : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 1, 2, 3, 4, 5 AND 6
TACHO-METER
SPEED-OMETER
ENGINE COOLANT TEMPERATURE GAUGE
COMBINATION METER
A: i10
OIL PRESSURE WARNING LIGHT
MALFUNCTION INDICATOR LIGHT
I/F
POWER CIRCUIT
MICRO COMPUTER
I/F
I/F
CAN TRANSCEIVER & RECEIVER
A15
A16
A20
A19
A21
A22
A11
A12
GOr
OrW
RW
GB
P
V
BY
BY
17
8
19
i3
B38
REF. TO CAN COMMUNICATION SYSTEM [CAN(R)-02]
GOr
OrW
P
GB
i1
27
B36
REF. TO CAN COMMUNICATION SYSTEM [CAN(R)-01]
BY
*
GROUND JOINT CONNECTOR
i97
GOr
31
B21
E2
GB
B301
23
G
G
E11
BY
*
BY
BY
OrW
P
R
L
A17
A23
D18
D26
A: B134 D: B137 ECM
OIL PRESSURE SWITCH
ABS CONTROL MODULE
REF. TO GROUND CIRCUIT [GND(R)-03]
i97
i53
B38
A: i10
B301 (BLACK)
i1
D: B137 HR
A: B134 HR
B21 (BLACK)

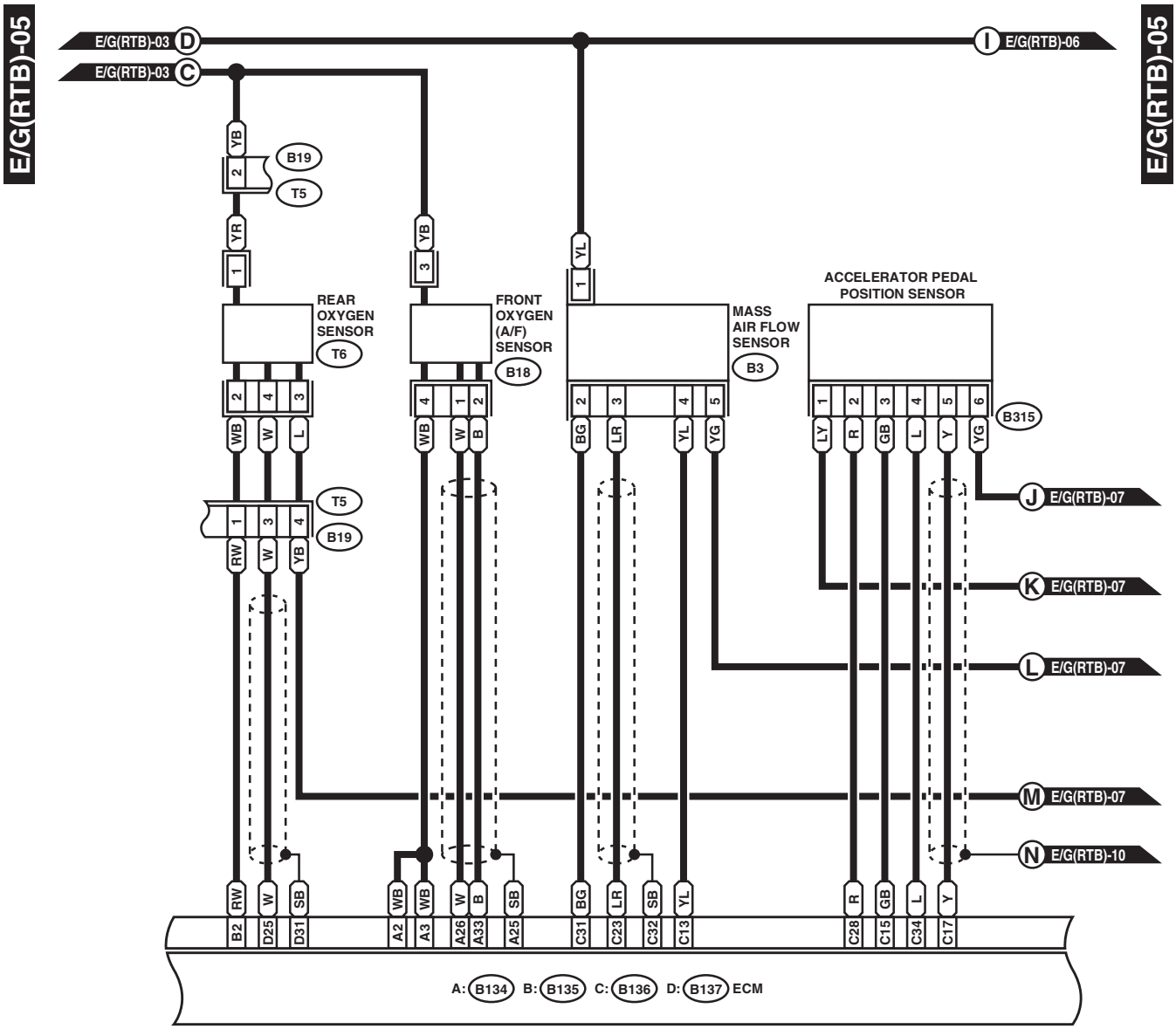
WI-07521

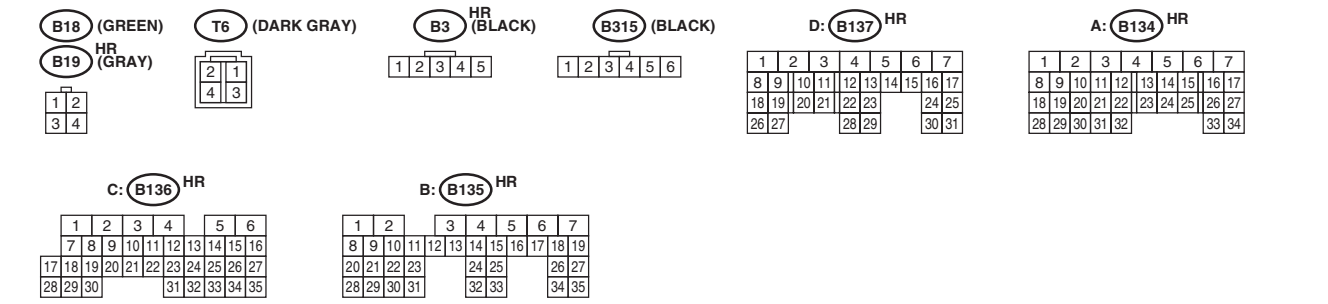

E/G(RTB)-03
E/G(RTB)-03
TO POWER SUPPLY CIRCUIT
ST-1
F/B FUSE NO. 21
(ST)
ST-2
IG SW
(ST)
MB-24
SBF-7
(B)
MB-23
SBF-7
(B)
MB-22
SBF-5
(B)
MB-27
M/B FUSE NO. 13
(B)
WL
WB
WR
WR
WY
W
E/G(RTB)-01 A
B E/G(RTB)-10
MAIN
RELAY
B47
STARTER
RELAY
B225
C E/G(RTB)-05
D E/G(RTB)-05
E E/G(RTB)-04
STARTER MOTOR
BATTERY
ELECTRONIC
THROTTLE
CONTROL
RELAY
B362
B14
M
D8
B32
D14
D6
B35
D16
B5
B6
B19
B: B135 D: B137 ECM
B47 (BROWN)
B362 (BLACK)
D: B137 HR
B: B135 HR
B225 (BLACK)

WI-06920

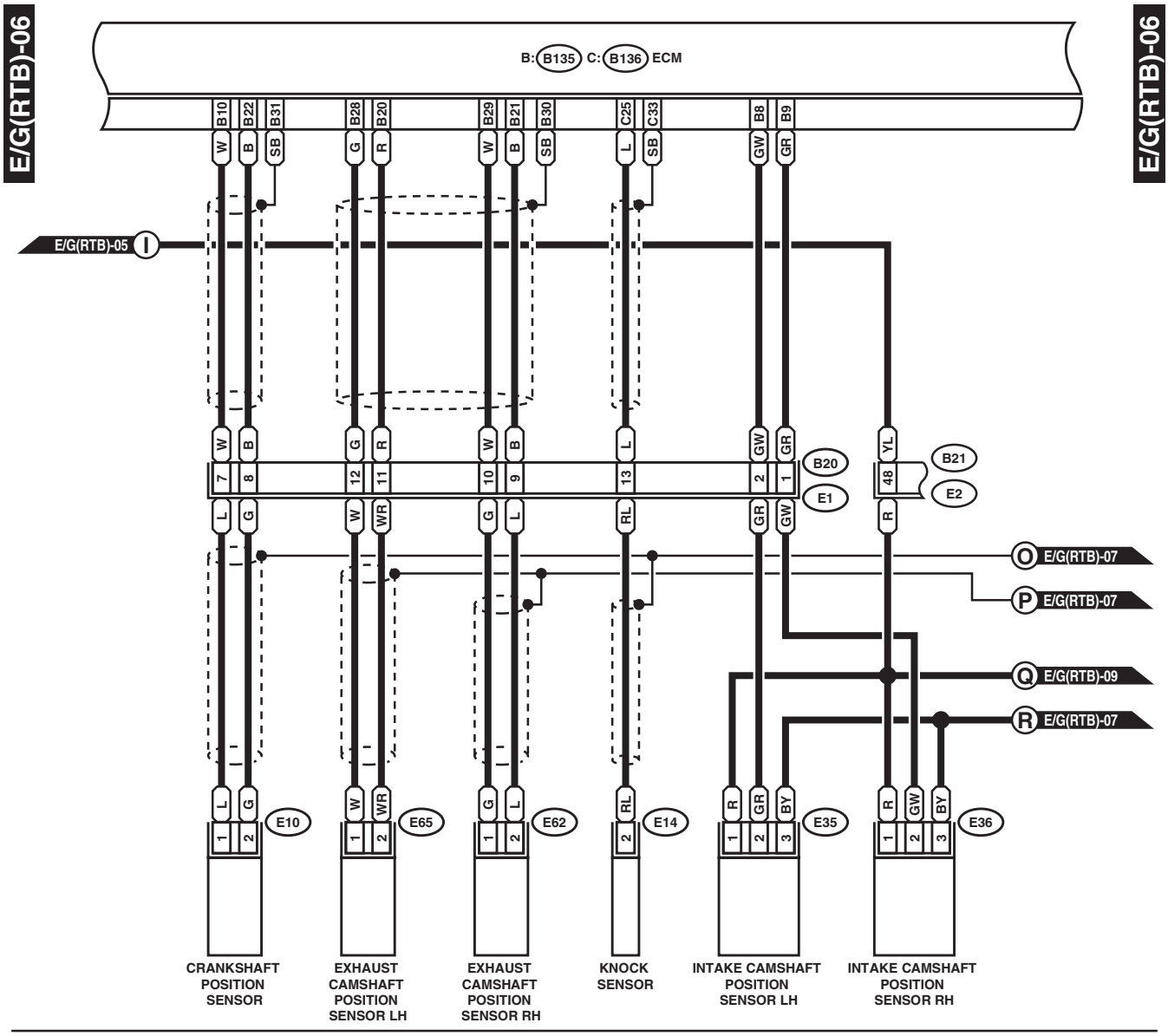

E/G(RTB)-04
E/G(RTB)-04
TO POWER SUPPLY CIRCUIT
FB-32
F/B FUSE NO. 4
(IG)
D: B137 ECM
D15
D29
D20
GY
P
V
VR
F E/G(RTB)-10
E/G(RTB)-03 E
G E/G(RTB)-10
H E/G(RTB)-10
GY
P
VR
BL
B79
7
4
12
8
CHECK CONNECTOR
P
B75
1
L
B76
1
TEST MODE
CONNECTOR
L
B368
1
BL
B369
1
TEST MODE
SUB CONNECTOR
W
V
VR
BL
BL
B40
1
6
10
12
13
DATA LINK CONNECTOR
B75 (GREEN)
B368 (GREEN)
B76 (GREEN)
B369 (GREEN)
B79 (GRAY)
B40 (BLACK)
D: B137 HR

WI-06921


E/G(RTB)-05
E/G(RTB)-03 D
E/G(RTB)-03 C
I E/G(RTB)-06
B19
T5
REAR OXYGEN SENSOR
T6
FRONT OXYGEN (A/F) SENSOR
B18
MASS AIR FLOW SENSOR
B3
ACCELERATOR PEDAL POSITION SENSOR
B315
J E/G(RTB)-07
K E/G(RTB)-07
L E/G(RTB)-07
M E/G(RTB)-07
N E/G(RTB)-10
A: B134 B: B135 C: B136 D: B137 ECM


B18 (GREEN)
B19 HR (GRAY)
T6 (DARK GRAY)
B3 HR (BLACK)
B315 (BLACK)
D: B137 HR
A: B134 HR
C: B136 HR
B: B135 HR

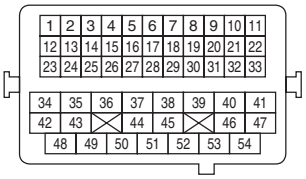
WI-07522



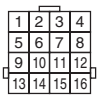
E10 (LIGHT GRAY)
E14 (BROWN)
E62 (LIGHT GRAY)
E65 (LIGHT GRAY)

E35 (LIGHT GRAY)
E36 (LIGHT GRAY)

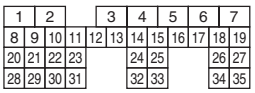
B21 (BLACK)



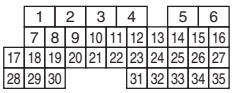
B20 (BROWN)



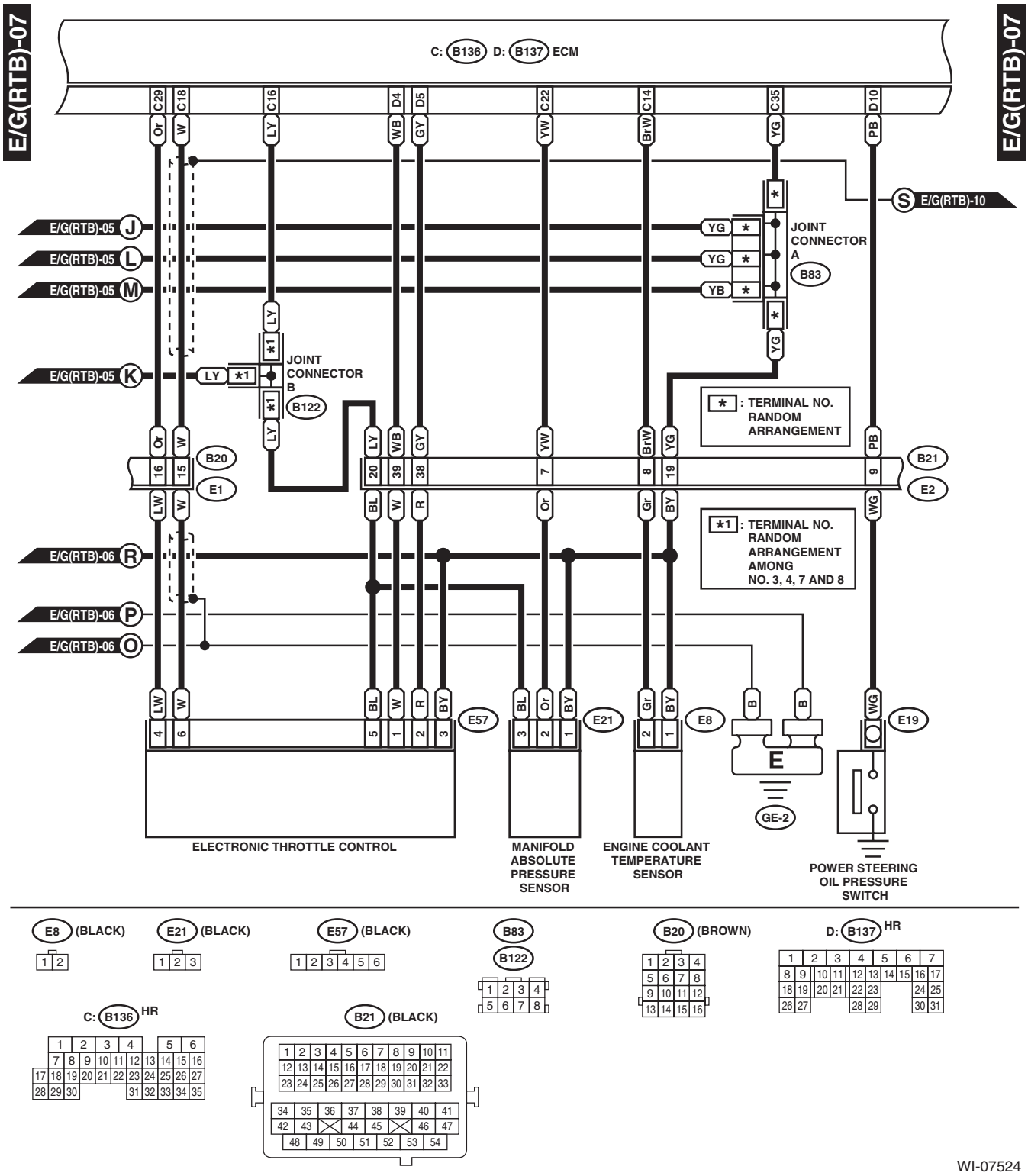
B: B135 HR



C: B136 HR

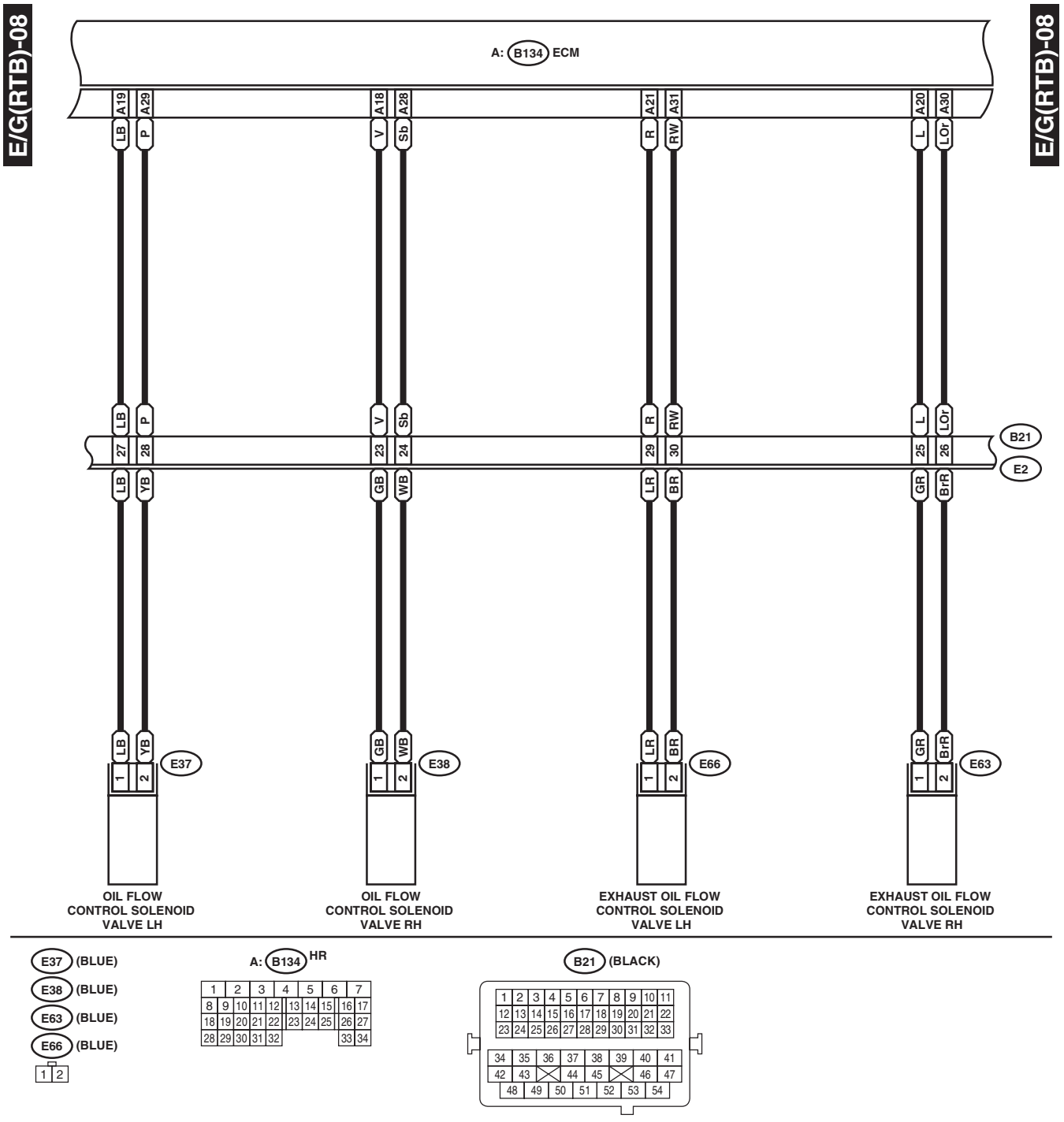


WI-07523


E/G(RTB)-07
E/G(RTB)-07
C: B136 D: B137 ECM
C29 C18 C16 D4 D5 C22 C14 C35 D10
Or W LY WB GY YW BrW YG PB
S E/G(RTB)-10
E/G(RTB)-05 J
E/G(RTB)-05 L
E/G(RTB)-05 M
E/G(RTB)-05 K
JOINT CONNECTOR A
B83
JOINT CONNECTOR B
B122
* : TERMINAL NO. RANDOM ARRANGEMENT
*1 : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 3, 4, 7 AND 8
B20
E1
B21
E2
E/G(RTB)-06 R
E/G(RTB)-06 P
E/G(RTB)-06 O
LW W BL W R BY Or Gr BY B B WG
E57
E21
E8
E19
GE-2
ELECTRONIC THROTTLE CONTROL
MANIFOLD ABSOLUTE PRESSURE SENSOR
ENGINE COOLANT TEMPERATURE SENSOR
POWER STEERING OIL PRESSURE SWITCH

E8 (BLACK)
E21 (BLACK)
E57 (BLACK)
B83
B122
B20 (BROWN)
D: B137 HR
C: B136 HR
B21 (BLACK)

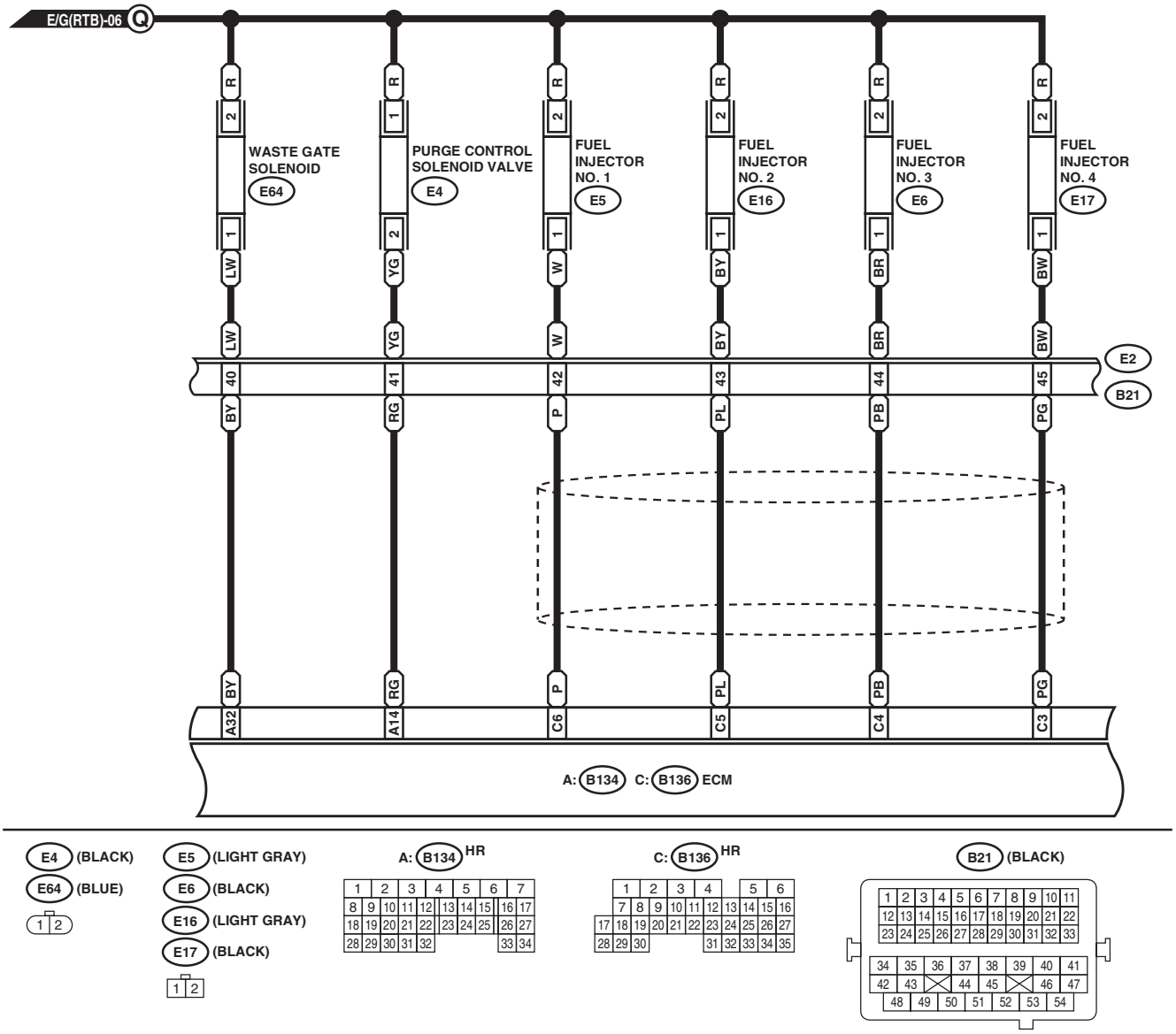
WI-07524


E/G(RTB)-08
E/G(RTB)-08
A: B134 ECM
A19 LB
A29 P
A18 V
A28 Sb
A21 R
A31 RW
A20 L
A30 LOr
27 LB
28 P
23 V
24 Sb
29 R
30 RW
25 L
26 LOr
B21
E2
LB
YB
GB
WB
LR
BR
GR
BrR
E37
E38
E66
E63
OIL FLOW CONTROL SOLENOID VALVE LH
OIL FLOW CONTROL SOLENOID VALVE RH
EXHAUST OIL FLOW CONTROL SOLENOID VALVE LH
EXHAUST OIL FLOW CONTROL SOLENOID VALVE RH
E37 (BLUE)
E38 (BLUE)
E63 (BLUE)
E66 (BLUE)
A: B134 HR
B21 (BLACK)

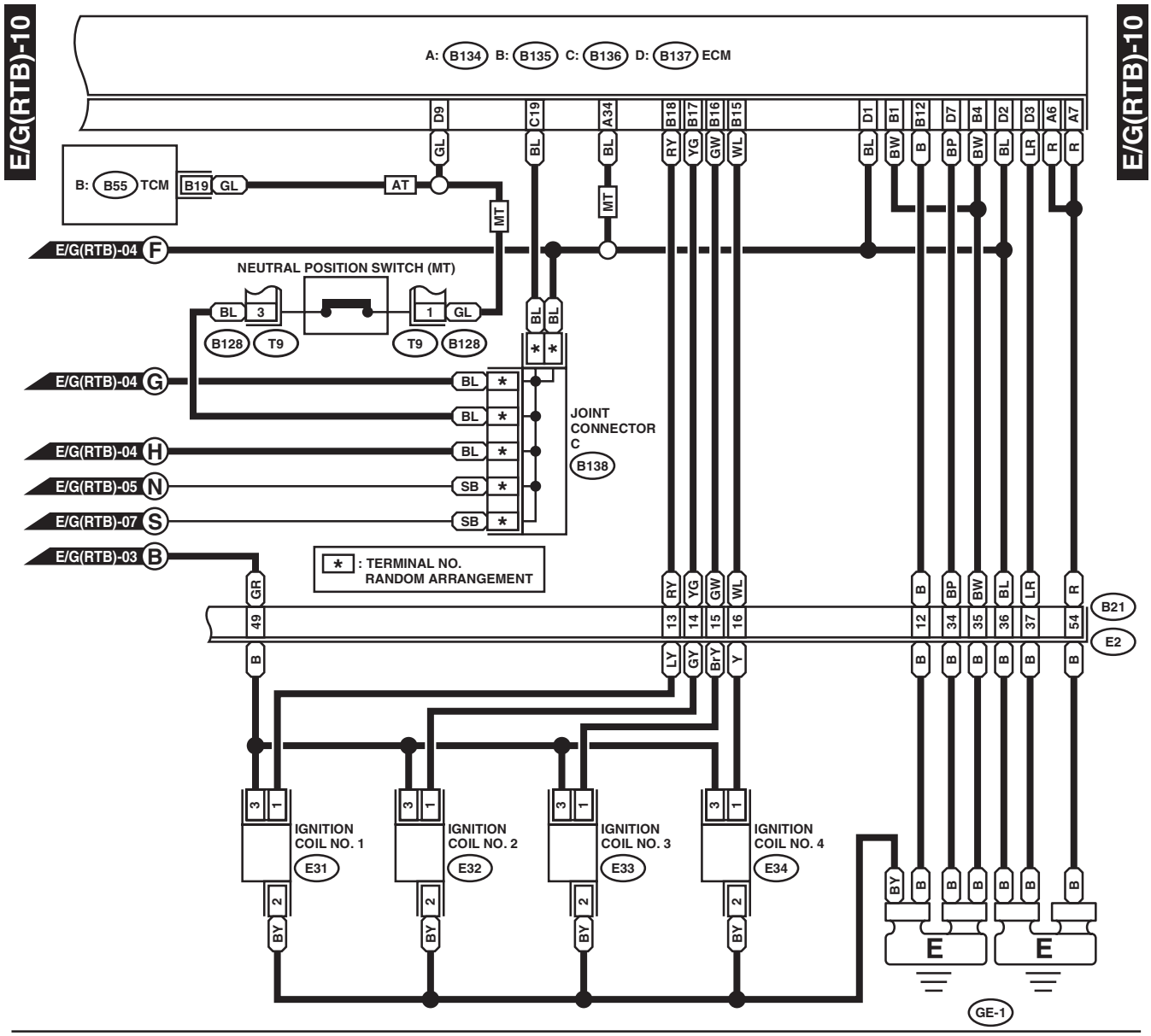
WI-07615

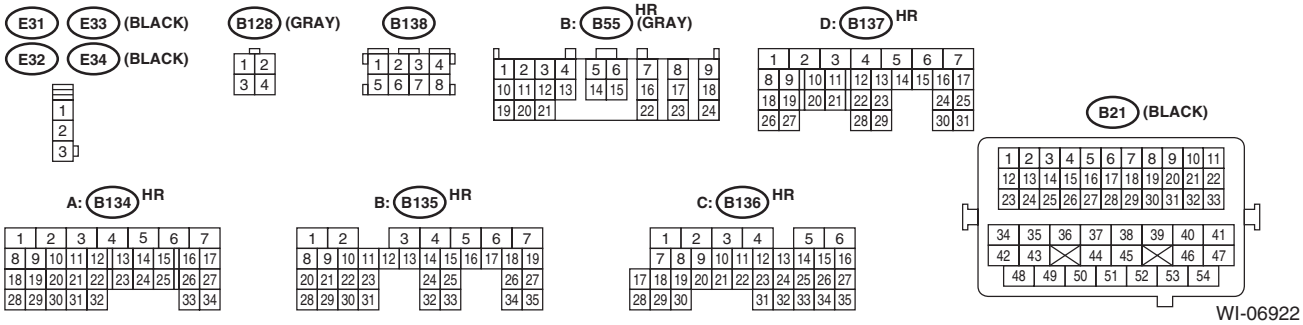
E/G(RTB)-09

E/G(RTB)-09



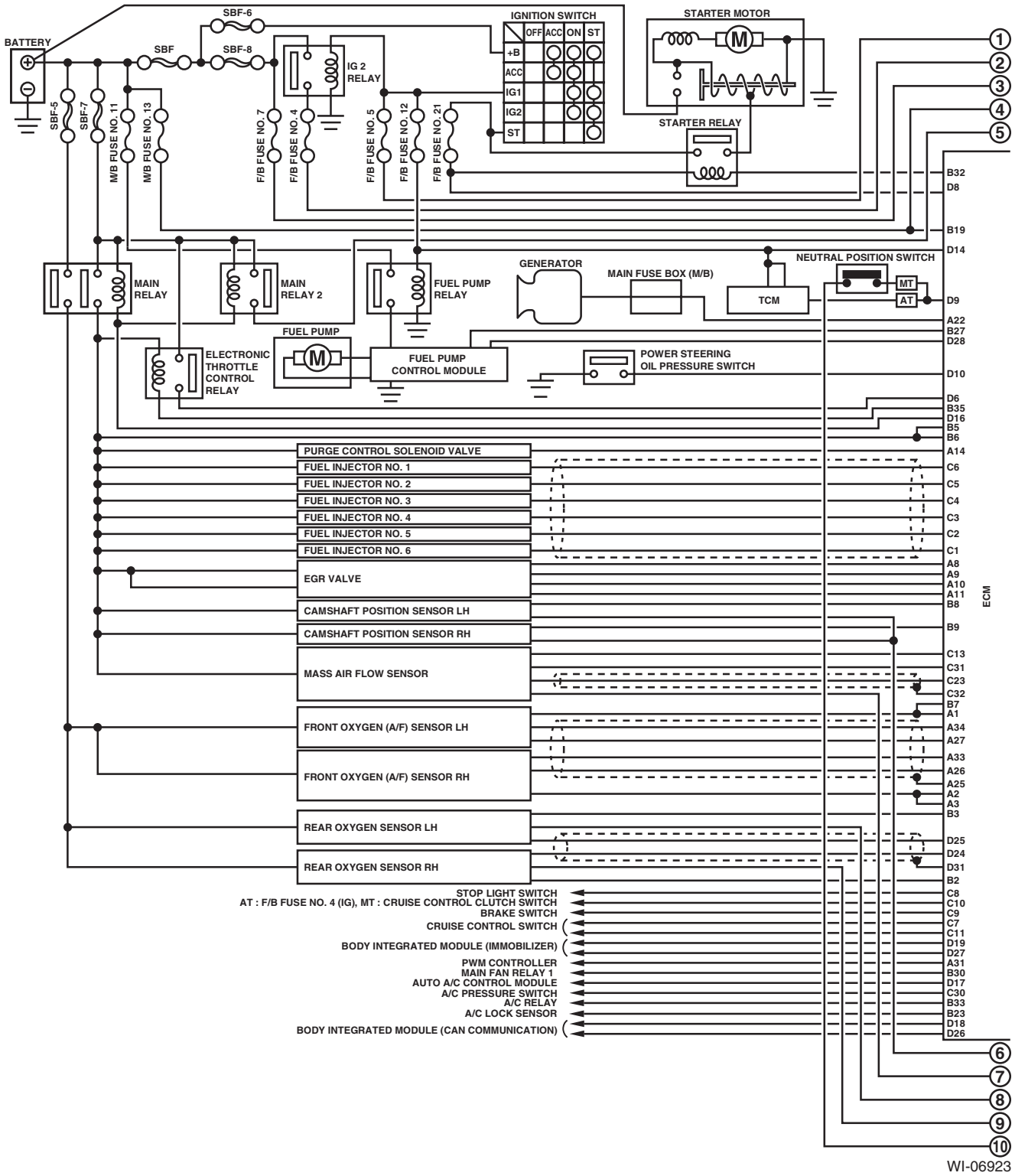
WI-04086


E/G(RTB)-10
A: B134 B: B135 C: B136 D: B137 ECM
B: B55 TCM
B19 GL
AT
MT
E/G(RTB)-04 F
NEUTRAL POSITION SWITCH (MT)
B128 T9
T9 B128
E/G(RTB)-04 G
E/G(RTB)-04 H
E/G(RTB)-05 N
E/G(RTB)-07 S
E/G(RTB)-03 B
JOINT CONNECTOR C
B138
* : TERMINAL NO. RANDOM ARRANGEMENT
IGNITION COIL NO. 1
E31
IGNITION COIL NO. 2
E32
IGNITION COIL NO. 3
E33
IGNITION COIL NO. 4
E34
B21
E2
GE-1

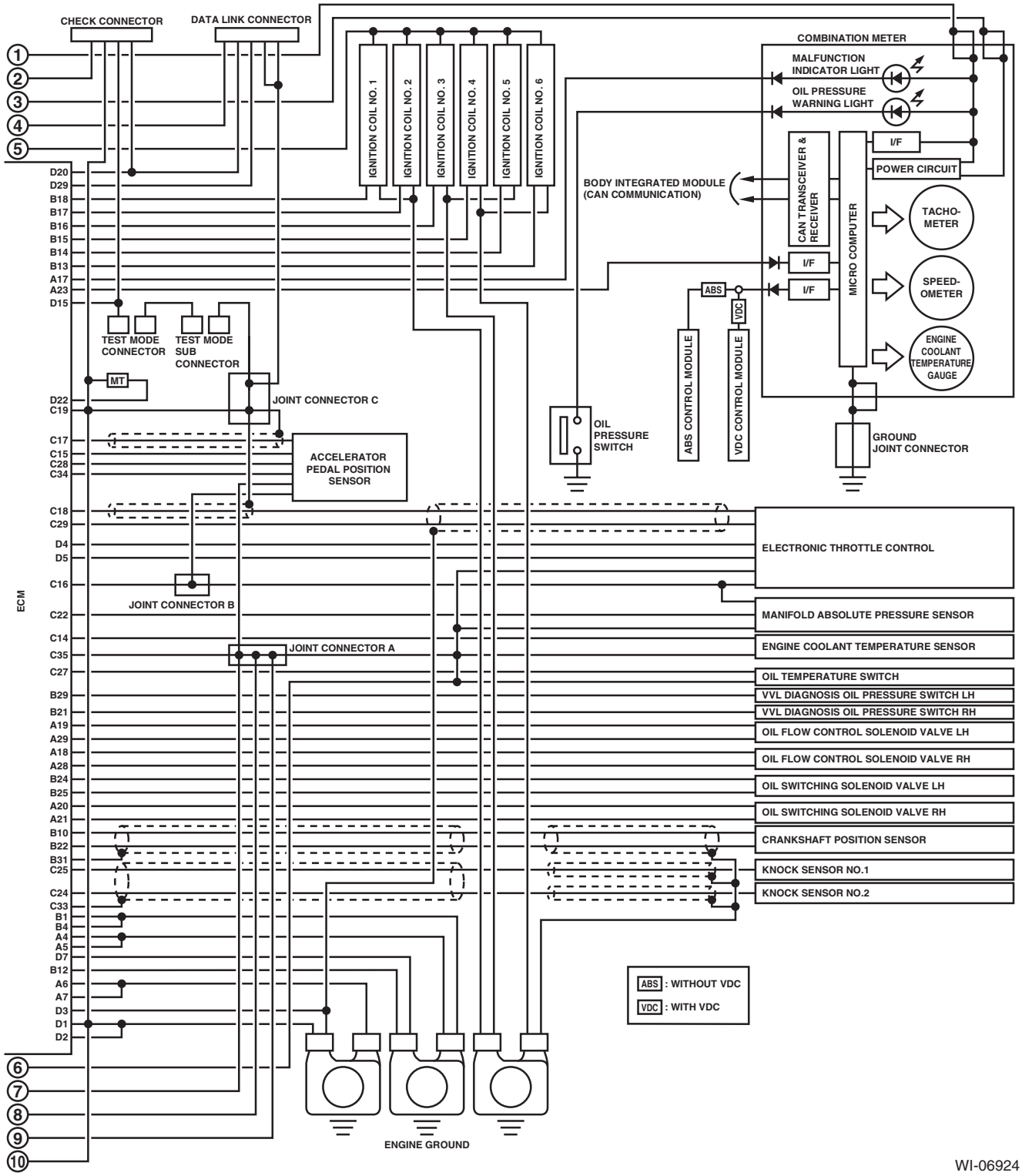

E31 E33 (BLACK)
E32 E34 (BLACK)
B128 (GRAY)
B138
B: B55 HR (GRAY)
D: B137 HR
B21 (BLACK)
A: B134 HR
B: B135 HR
C: B136 HR

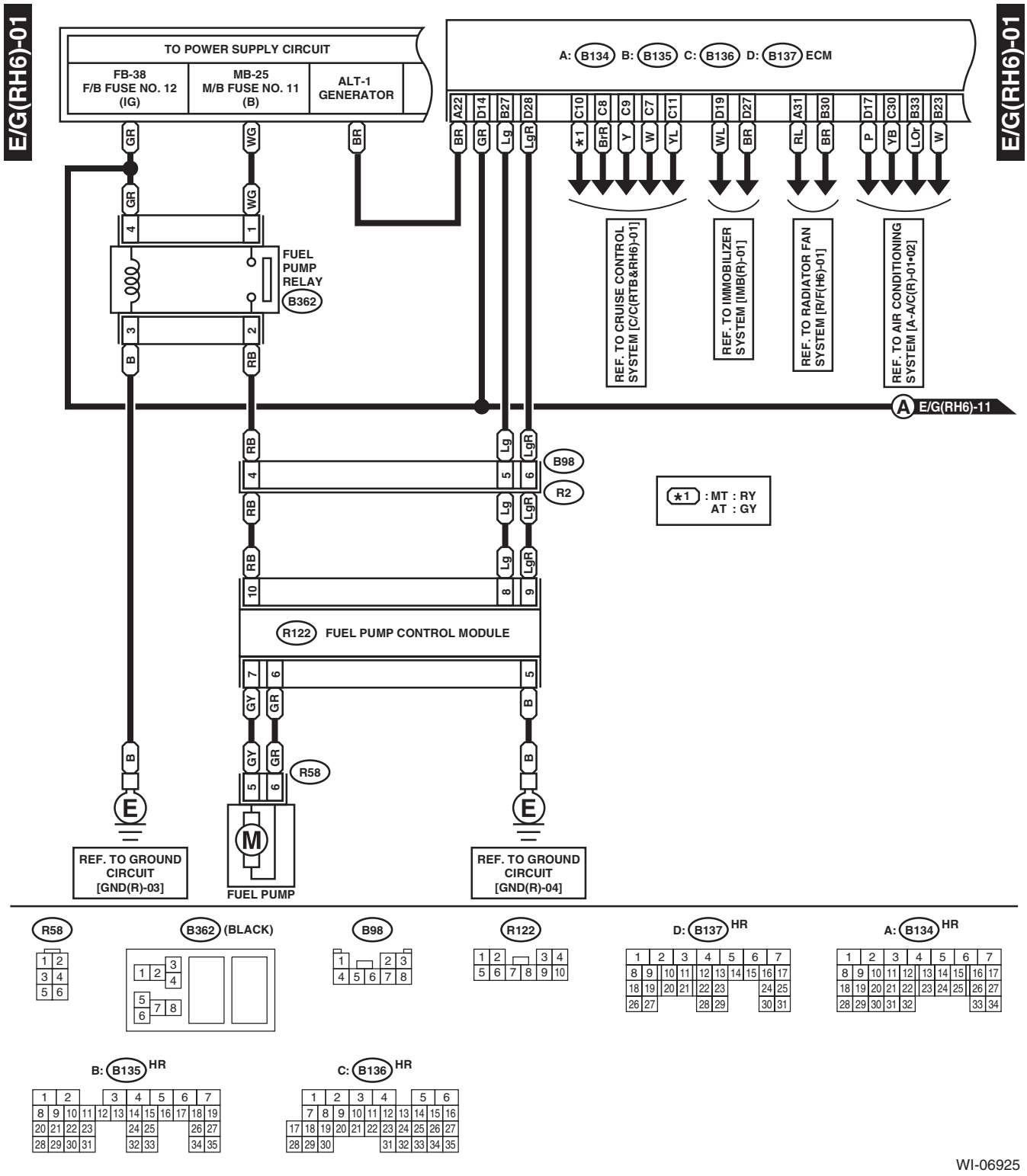
WI-06922

7. RHD 3.0 L MODEL

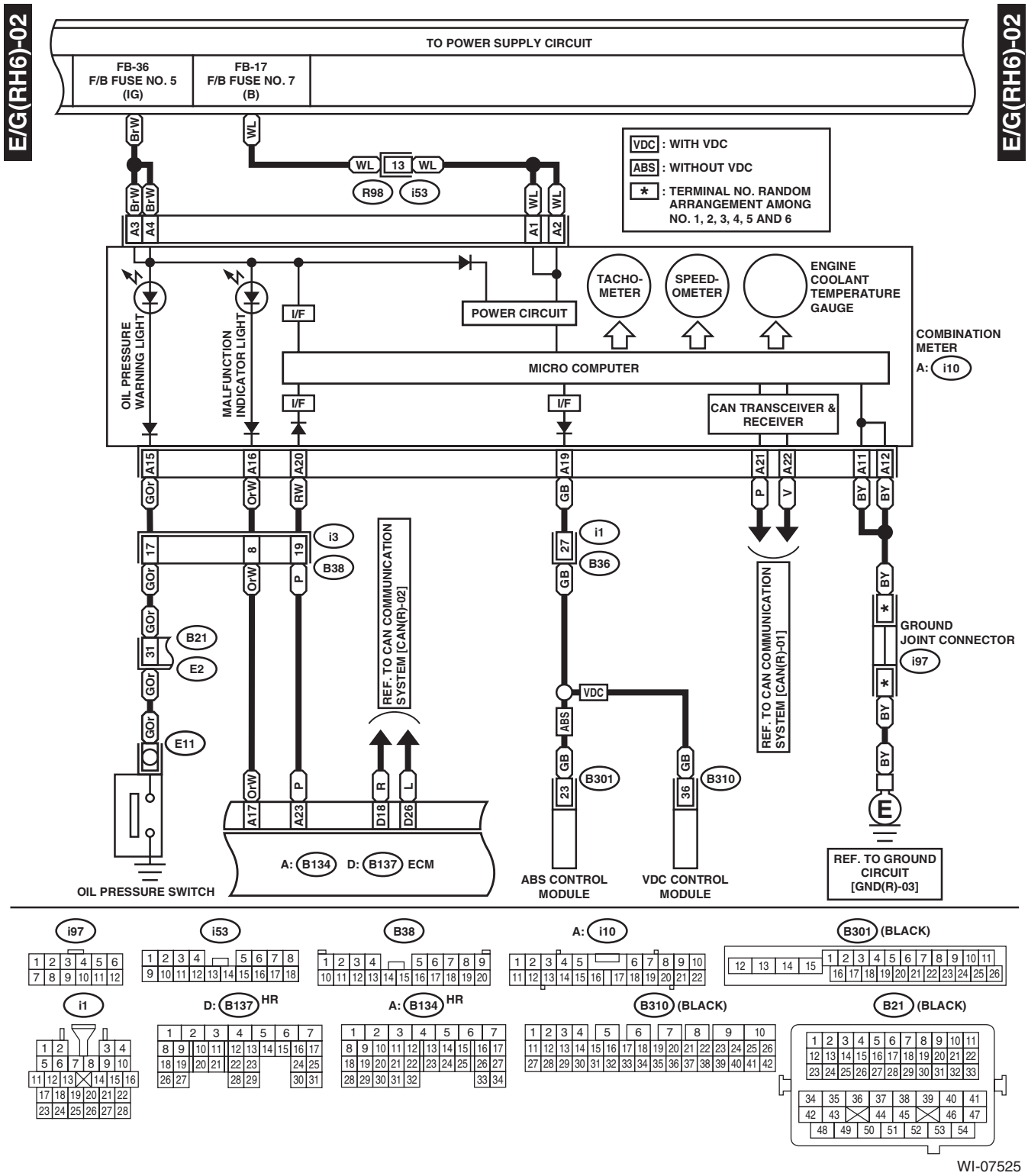


WI-06923

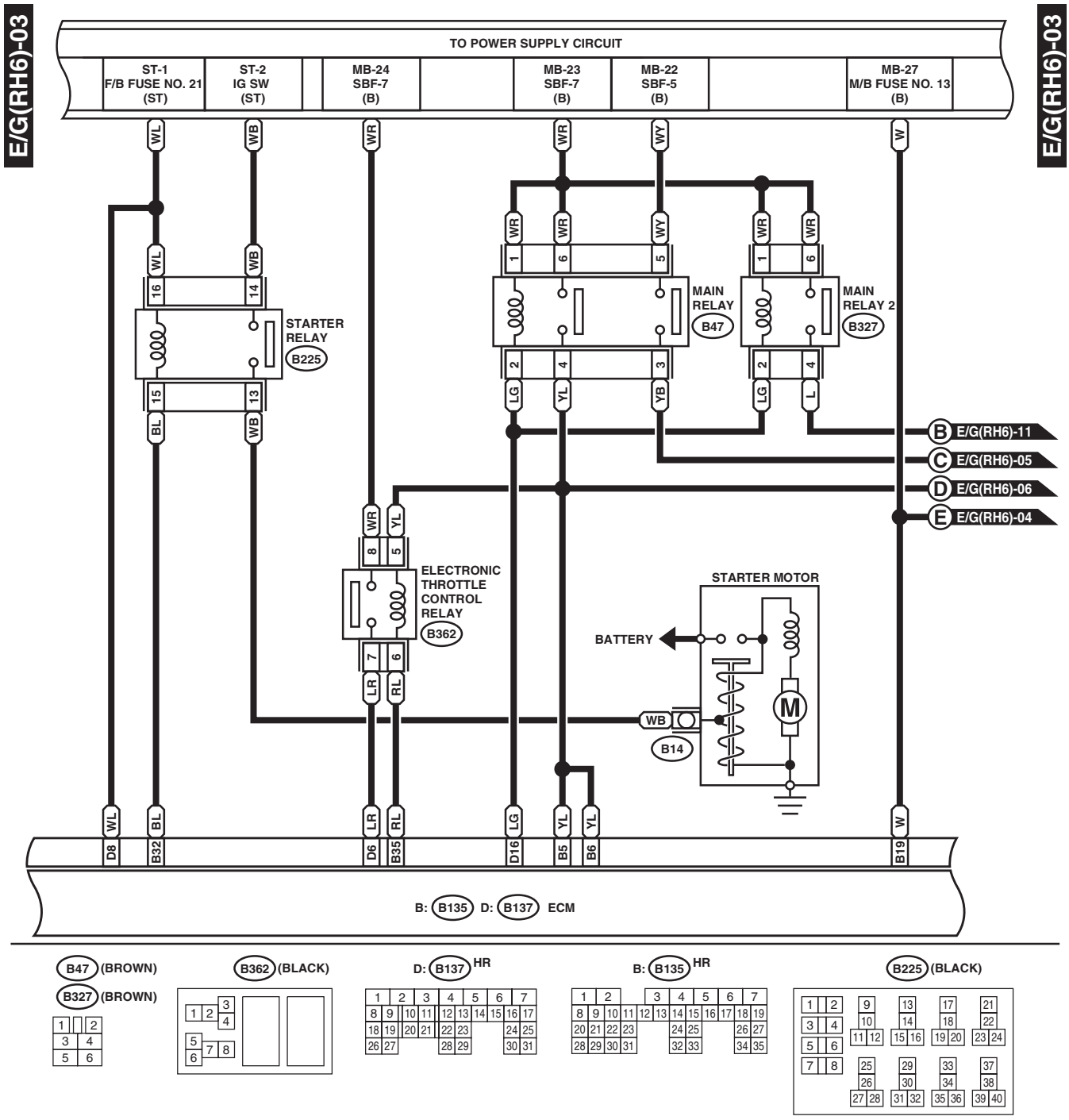

CHECK CONNECTOR
DATA LINK CONNECTOR
IGNITION COIL NO. 1
IGNITION COIL NO. 2
IGNITION COIL NO. 3
IGNITION COIL NO. 4
IGNITION COIL NO. 5
IGNITION COIL NO. 6
COMBINATION METER
MALFUNCTION INDICATOR LIGHT
OIL PRESSURE WARNING LIGHT
I/F
POWER CIRCUIT
CAN TRANSCEIVER & RECEIVER
MICRO COMPUTER
TACHO-METER
SPEED-OMETER
ENGINE COOLANT TEMPERATURE GAUGE
BODY INTEGRATED MODULE (CAN COMMUNICATION)
ABS
VDC
ABS CONTROL MODULE
VDC CONTROL MODULE
OIL PRESSURE SWITCH
GROUND JOINT CONNECTOR
TEST MODE CONNECTOR
TEST MODE SUB CONNECTOR
MT
JOINT CONNECTOR C
ACCELERATOR PEDAL POSITION SENSOR
JOINT CONNECTOR B
JOINT CONNECTOR A
ECM
ELECTRONIC THROTTLE CONTROL
MANIFOLD ABSOLUTE PRESSURE SENSOR
ENGINE COOLANT TEMPERATURE SENSOR
OIL TEMPERATURE SWITCH
VVL DIAGNOSIS OIL PRESSURE SWITCH LH
VVL DIAGNOSIS OIL PRESSURE SWITCH RH
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 NO.1
KNOCK SENSOR NO.2
ABS : WITHOUT VDC
VDC : WITH VDC
ENGINE GROUND
WI-06924


E/G(RH6)-01
E/G(RH6)-01
TO POWER SUPPLY CIRCUIT
FB-38
F/B FUSE NO. 12
(IG)
MB-25
M/B FUSE NO. 11
(B)
ALT-1
GENERATOR
A: B134 B: B135 C: B136 D: B137 ECM
A22 D14 B27 D28 C10 C8 C9 C7 C11 D19 D27 A31 B30 D17 C30 B33 B23
BR GR Lg LgR ✱1 BrR Y W YL WL BR RL BR P YB LOr W
REF. TO CRUISE CONTROL SYSTEM [C/C(RTB&RH6)-01]
REF. TO IMMOBILIZER SYSTEM [IMB(R)-01]
REF. TO RADIATOR FAN SYSTEM [R/F(H6)-01]
REF. TO AIR CONDITIONING SYSTEM [A-A/C(R)-01•02]
GR WG BR
FUEL PUMP RELAY
B362
B RB
A E/G(RH6)-11
RB Lg LgR
B98
R2
✱1 : MT : RY
AT : GY
R122 FUEL PUMP CONTROL MODULE
GY GR B
R58
M
FUEL PUMP
REF. TO GROUND CIRCUIT [GND(R)-03]
REF. TO GROUND CIRCUIT [GND(R)-04]
R58
B362 (BLACK)
B98
R122
D: B137 HR
A: B134 HR
B: B135 HR
C: B136 HR

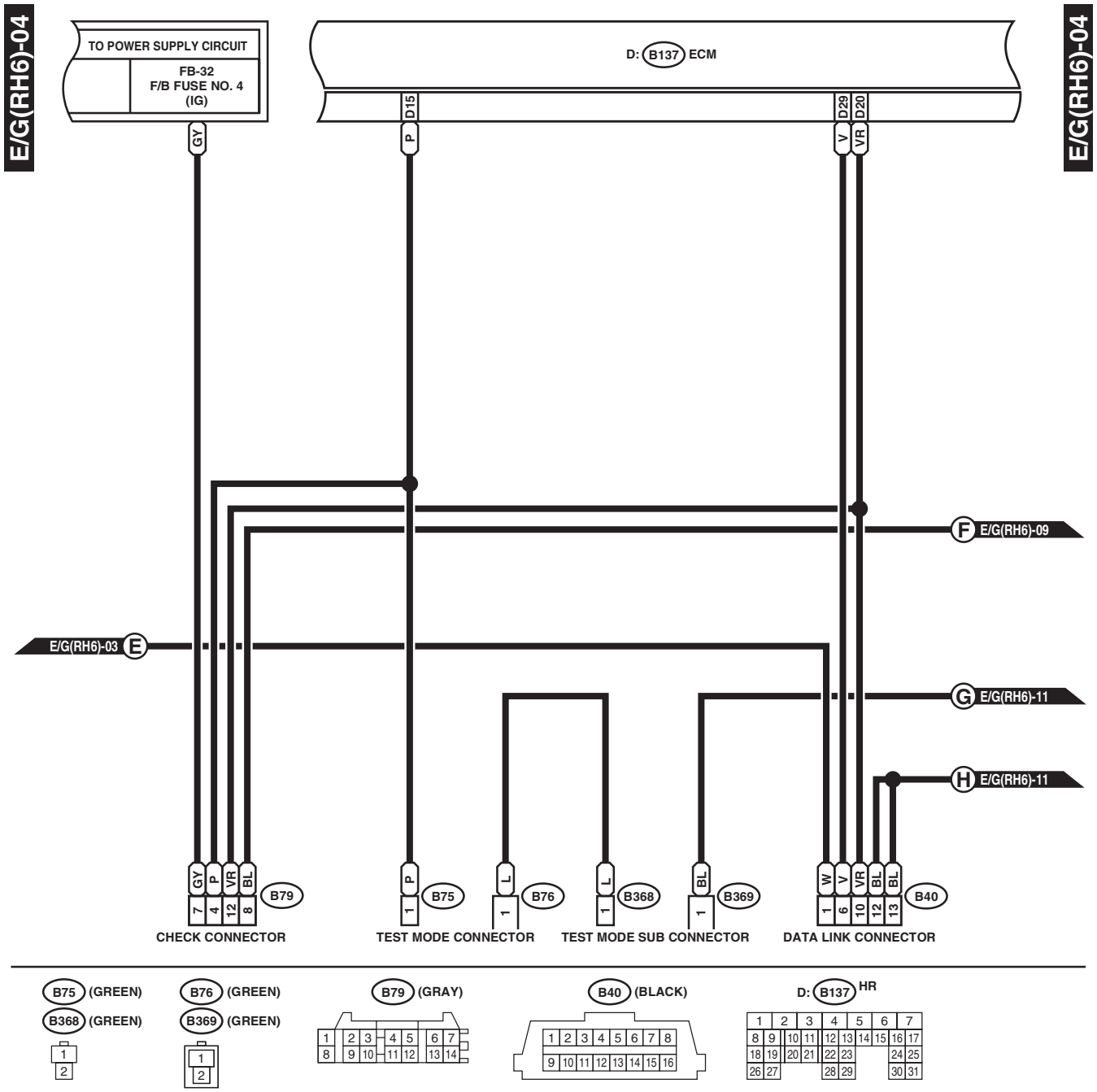
WI-06925


E/G(RH6)-02
TO POWER SUPPLY CIRCUIT
FB-36
F/B FUSE NO. 5
(IG)
FB-17
F/B FUSE NO. 7
(B)
VDC : WITH VDC
ABS : WITHOUT VDC
* : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 1, 2, 3, 4, 5 AND 6
R98
i53
TACHO-METER
SPEED-OMETER
ENGINE COOLANT TEMPERATURE GAUGE
COMBINATION METER
A: i10
OIL PRESSURE WARNING LIGHT
MALFUNCTION INDICATOR LIGHT
I/F
POWER CIRCUIT
MICRO COMPUTER
CAN TRANSCEIVER & RECEIVER
i3
B38
i1
B36
B21
E2
E11
REF. TO CAN COMMUNICATION SYSTEM [CAN(R)-02]
REF. TO CAN COMMUNICATION SYSTEM [CAN(R)-01]
GROUND JOINT CONNECTOR
i97
B301
B310
A: B134 D: B137 ECM
ABS CONTROL MODULE
VDC CONTROL MODULE
OIL PRESSURE SWITCH
REF. TO GROUND CIRCUIT [GND(R)-03]
i97
i53
B38
A: i10
B301 (BLACK)
i1
D: B137 HR
A: B134 HR
B310 (BLACK)
B21 (BLACK)

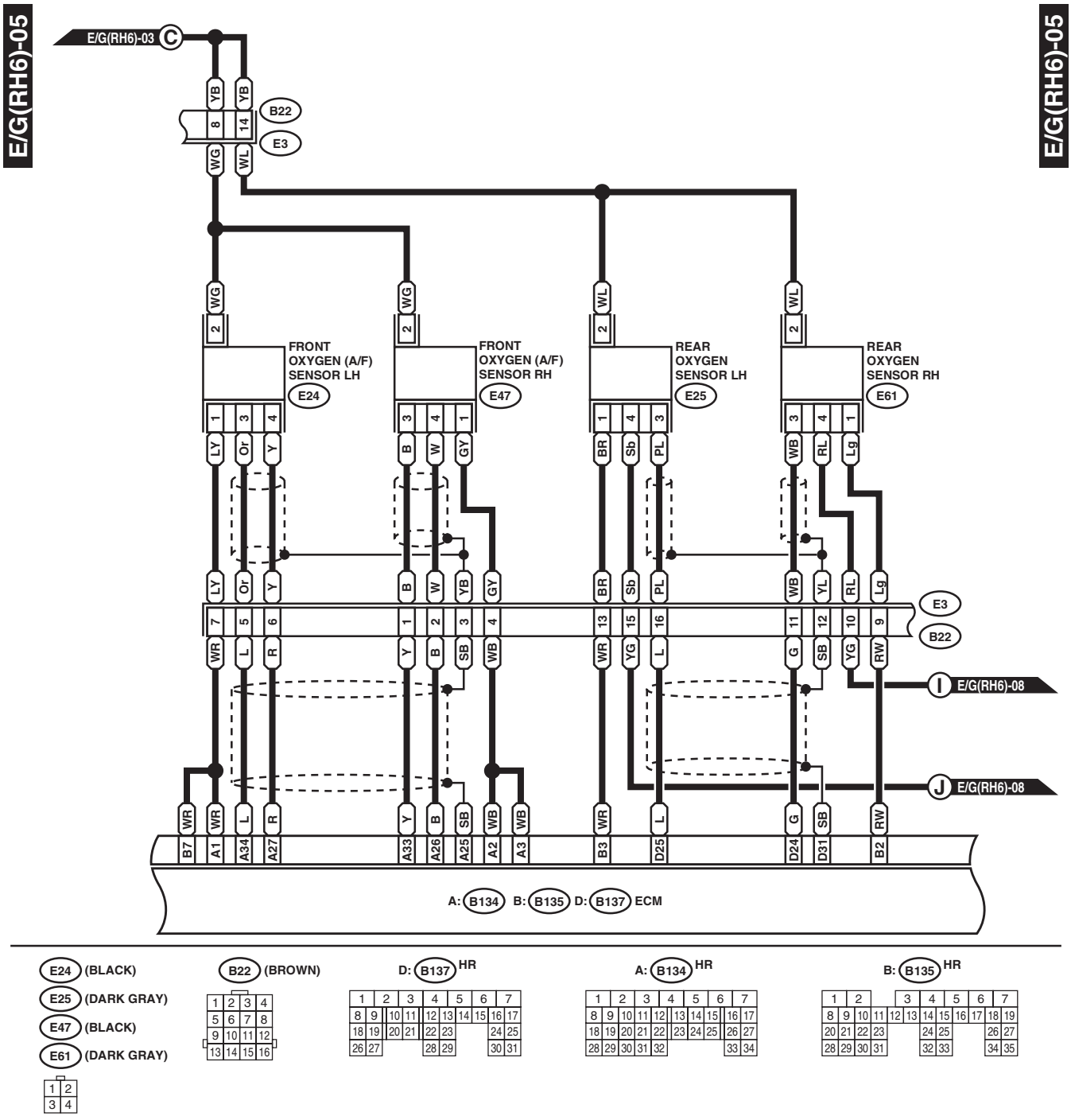
WI-07525


E/G(RH6)-03
E/G(RH6)-03
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)
STARTER
RELAY
B225
MAIN
RELAY
B47
MAIN
RELAY 2
B327
ELECTRONIC
THROTTLE
CONTROL
RELAY
B362
STARTER MOTOR
BATTERY
B14
B E/G(RH6)-11
C E/G(RH6)-05
D E/G(RH6)-06
E E/G(RH6)-04
B: B135 D: B137 ECM
B47 (BROWN)
B327 (BROWN)
B362 (BLACK)
D: B137 HR
B: B135 HR
B225 (BLACK)

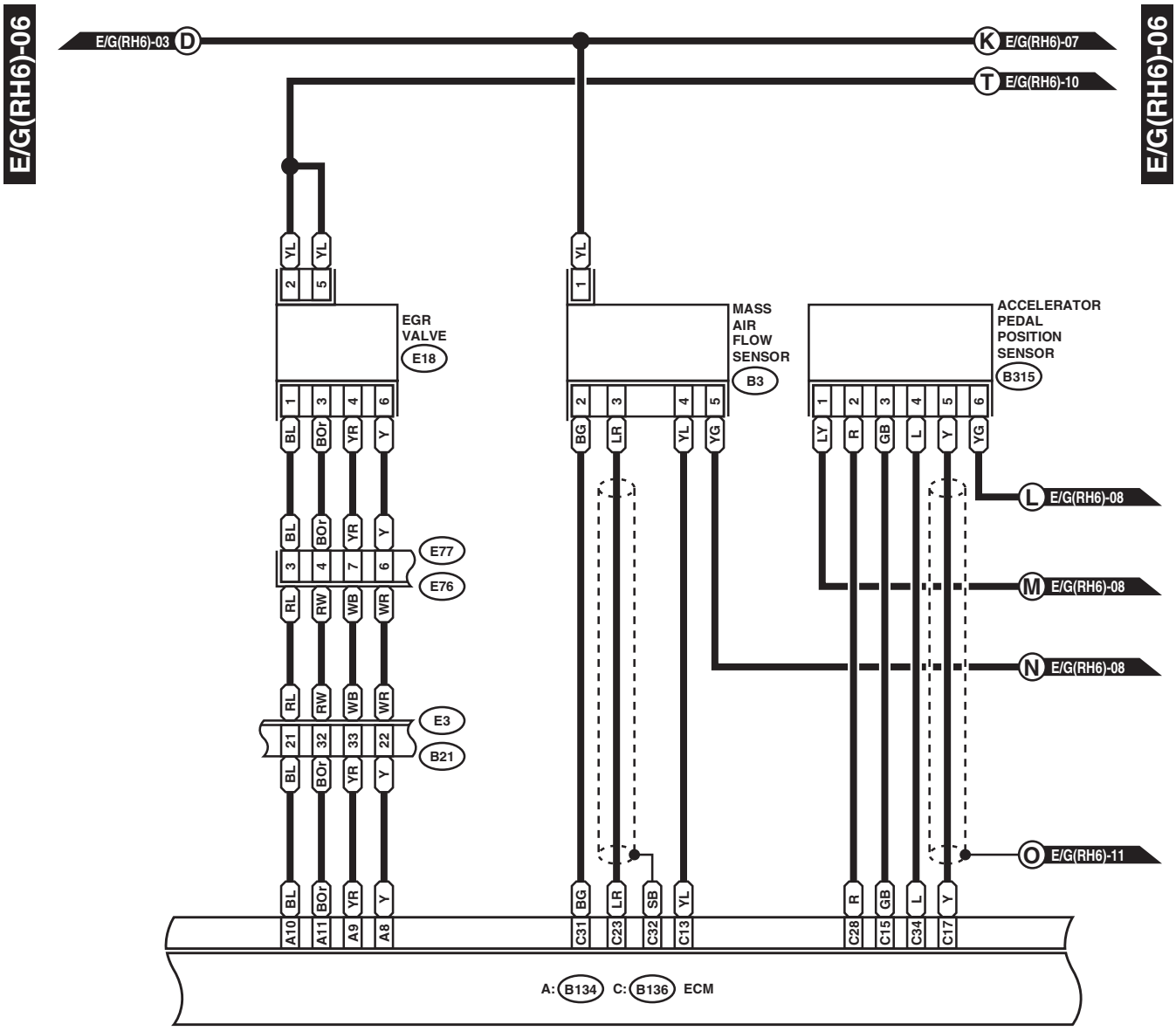
WI-06926

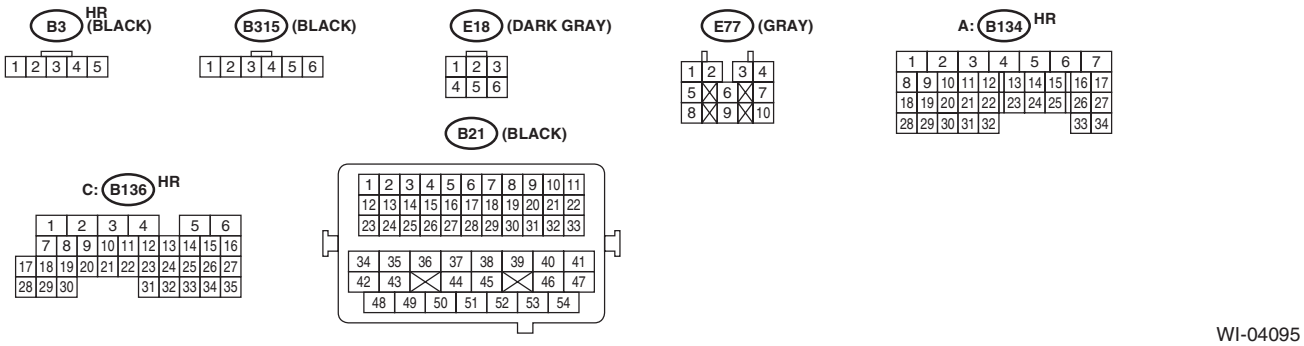

E/G(RH6)-04
E/G(RH6)-04
TO POWER SUPPLY CIRCUIT
FB-32
F/B FUSE NO. 4
(IG)
D: B137 ECM
D15
D29
D20
GY
P
V
VR
F E/G(RH6)-09
E/G(RH6)-03 E
G E/G(RH6)-11
H E/G(RH6)-11
GY P VR BL
7 4 12 8
B79
CHECK CONNECTOR
P
1
B75
TEST MODE CONNECTOR
L
1
B76
L
1
B368
TEST MODE SUB CONNECTOR
BL
1
B369
W V VR BL BL
1 6 10 12 13
B40
DATA LINK CONNECTOR
B75 (GREEN)
B368 (GREEN)
B76 (GREEN)
B369 (GREEN)
B79 (GRAY)
B40 (BLACK)
D: B137 HR

WI-07526

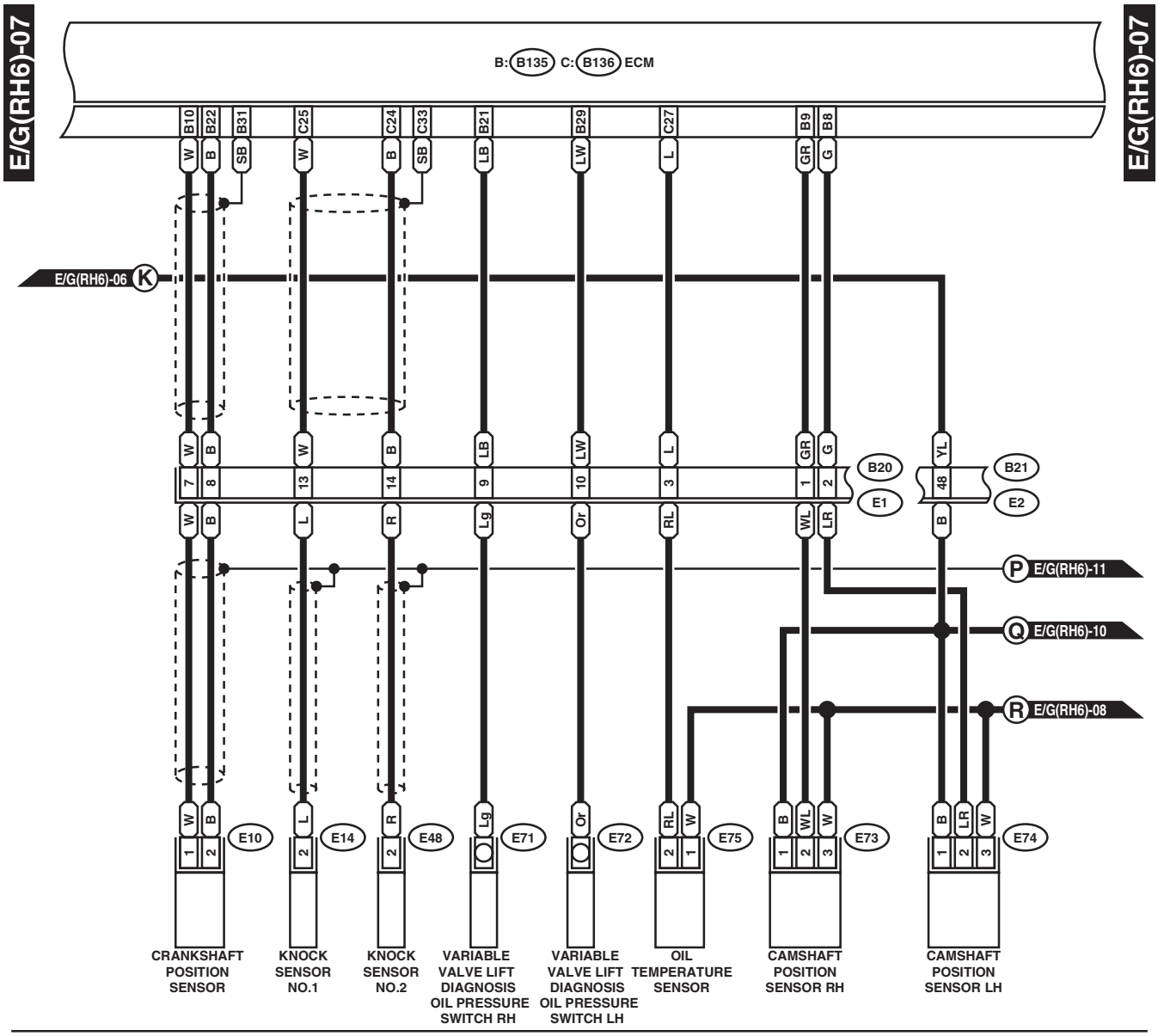

E/G(RH6)-05
E/G(RH6)-03 C
YB
YB
8
14
B22
E3
WG
WL
2
FRONT OXYGEN (A/F) SENSOR LH
E24
FRONT OXYGEN (A/F) SENSOR RH
E47
REAR OXYGEN SENSOR LH
E25
REAR OXYGEN SENSOR RH
E61
1
3
4
LY
Or
Y
B
W
GY
BR
Sb
PL
WB
RL
Lg
YB
YL
E3
B22
7
5
6
1
2
3
13
15
16
11
12
10
9
WR
L
R
Y
B
SB
WB
YG
G
RW
I E/G(RH6)-08
J E/G(RH6)-08
B7
A1
A34
A27
A33
A26
A25
A2
A3
B3
D25
D24
D31
B2
A: B134 B: B135 D: B137 ECM
E24 (BLACK)
E25 (DARK GRAY)
E47 (BLACK)
E61 (DARK GRAY)
B22 (BROWN)
D: B137 HR
A: B134 HR
B: B135 HR

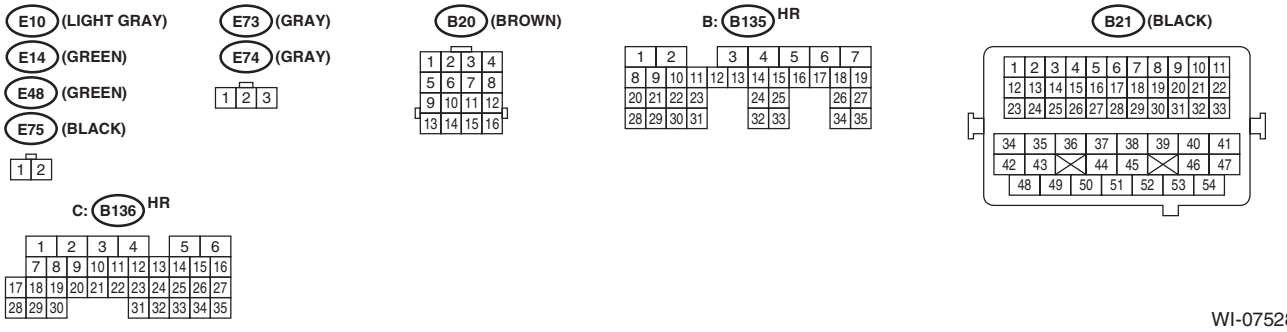
WI-07527


E/G(RH6)-06
E/G(RH6)-03 D
K E/G(RH6)-07
T E/G(RH6)-10
EGR VALVE E18
MASS AIR FLOW SENSOR B3
ACCELERATOR PEDAL POSITION SENSOR B315
L E/G(RH6)-08
M E/G(RH6)-08
N E/G(RH6)-08
O E/G(RH6)-11
E77
E76
E3
B21
A: B134 C: B136 ECM

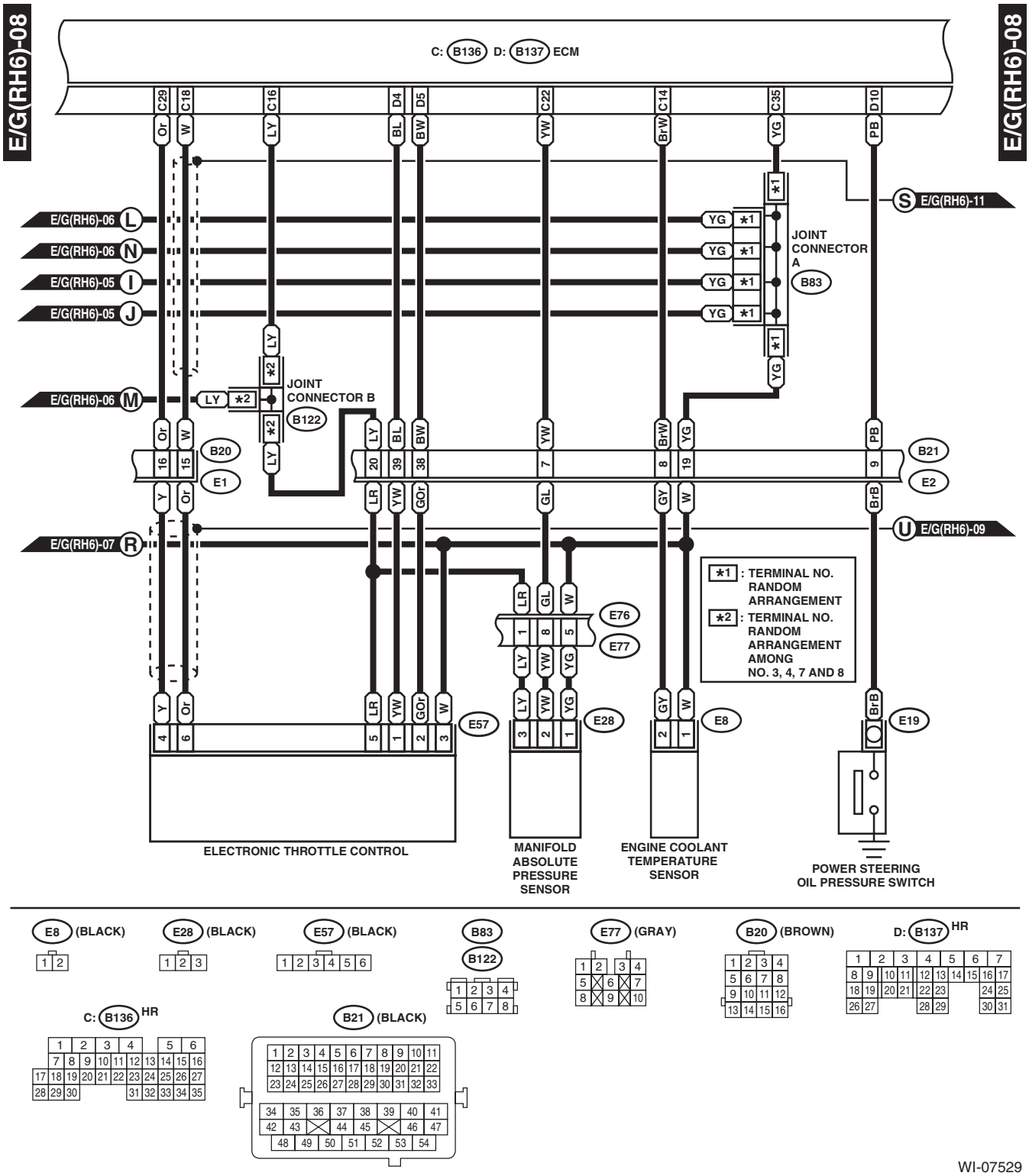

B3 HR (BLACK)
B315 (BLACK)
E18 (DARK GRAY)
E77 (GRAY)
A: B134 HR
B21 (BLACK)
C: B136 HR

WI-04095


E/G(RH6)-07
E/G(RH6)-07
B: B135 C: B136 ECM
B10 B22 B31 C25 C24 C33 B21 B29 C27 B9 B8
W B SB W B SB LB LW L GR G
E/G(RH6)-06 K
7 8 13 14 9 10 3 1 2
B20
E1
48
B21
E2
YL
P E/G(RH6)-11
Q E/G(RH6)-10
R E/G(RH6)-08
E10 E14 E48 E71 E72 E75 E73 E74
CRANKSHAFT POSITION SENSOR
KNOCK SENSOR NO.1
KNOCK SENSOR NO.2
VARIABLE VALVE LIFT DIAGNOSIS OIL PRESSURE SWITCH RH
VARIABLE VALVE LIFT DIAGNOSIS OIL PRESSURE SWITCH LH
OIL TEMPERATURE SENSOR
CAMSHAFT POSITION SENSOR RH
CAMSHAFT POSITION SENSOR LH

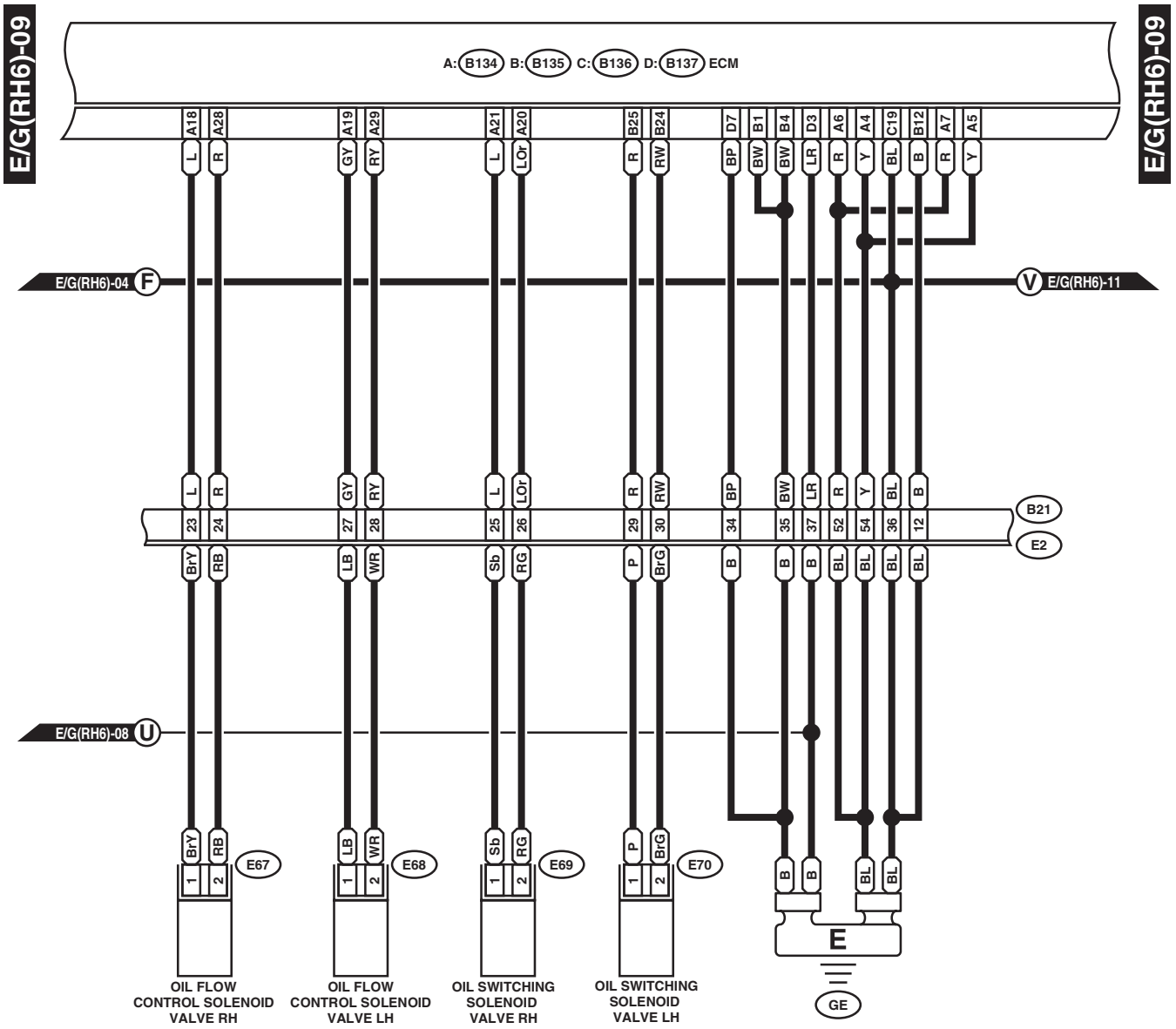

E10 (LIGHT GRAY)
E14 (GREEN)
E48 (GREEN)
E75 (BLACK)
E73 (GRAY)
E74 (GRAY)
B20 (BROWN)
B: B135 HR
B21 (BLACK)
C: B136 HR

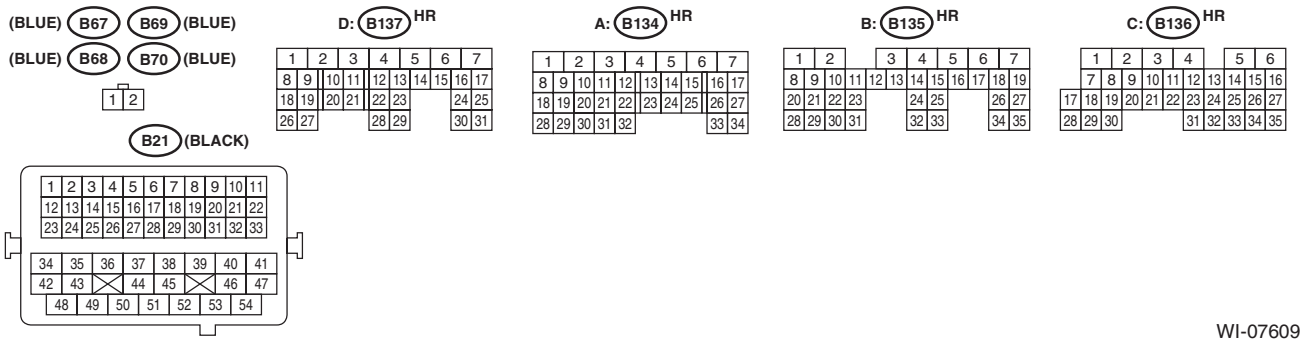
WI-07528


E/G(RH6)-08
C: B136 D: B137 ECM
C29
C18
C16
D4
D5
C22
C14
C35
D10
Or
W
LY
BL
BW
YW
BrW
YG
PB
E/G(RH6)-11
E/G(RH6)-06 L
E/G(RH6)-06 N
E/G(RH6)-05 I
E/G(RH6)-05 J
E/G(RH6)-06 M
JOINT CONNECTOR A
B83
JOINT CONNECTOR B
B122
B20
E1
B21
E2
E/G(RH6)-07 R
E/G(RH6)-09
*1 : TERMINAL NO. RANDOM ARRANGEMENT
*2 : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 3, 4, 7 AND 8
E76
E77
E57
E28
E8
E19
ELECTRONIC THROTTLE CONTROL
MANIFOLD ABSOLUTE PRESSURE SENSOR
ENGINE COOLANT TEMPERATURE SENSOR
POWER STEERING OIL PRESSURE SWITCH

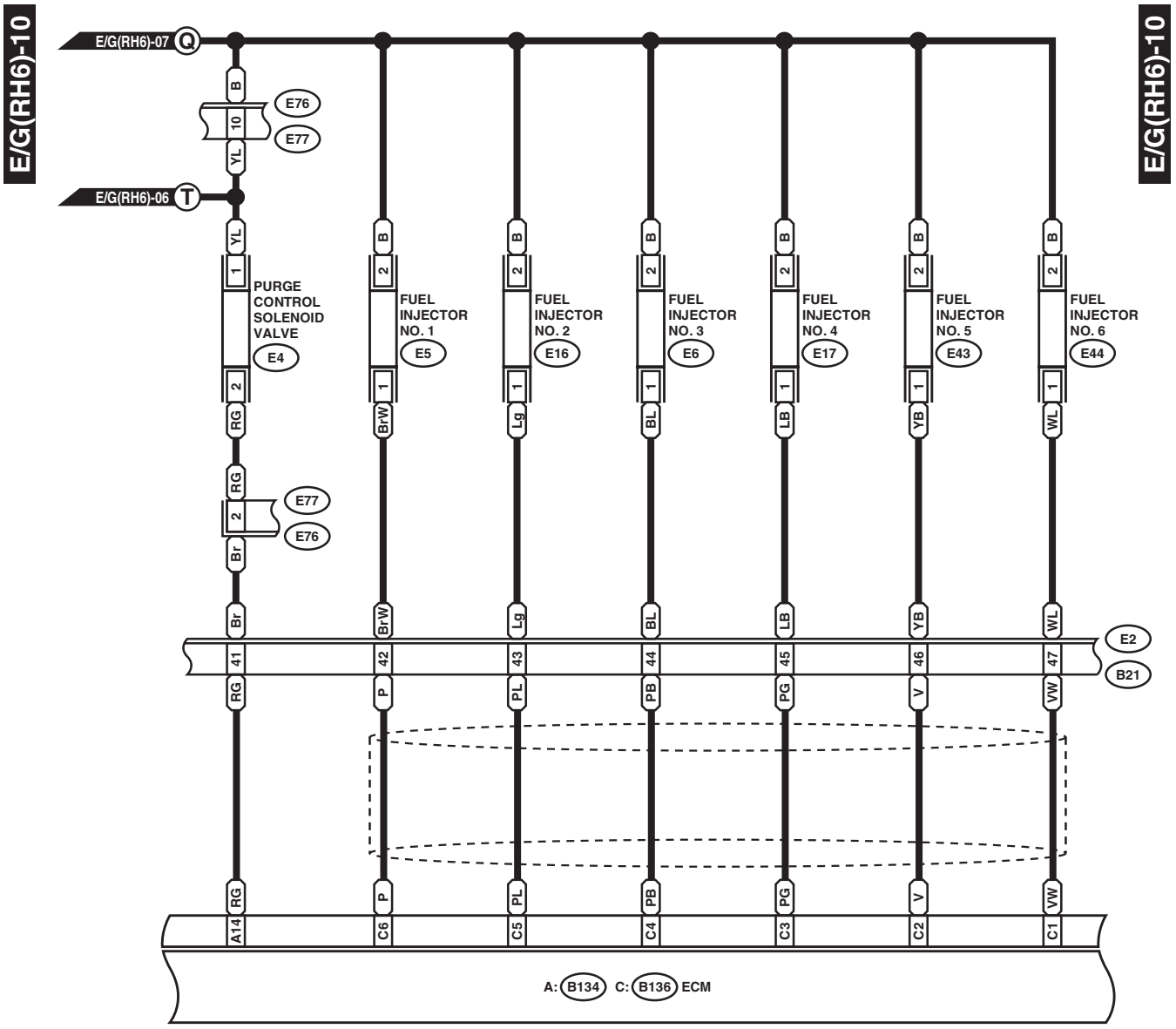
E8 (BLACK)
E28 (BLACK)
E57 (BLACK)
B83
B122
E77 (GRAY)
B20 (BROWN)
D: B137 HR
C: B136 HR
B21 (BLACK)

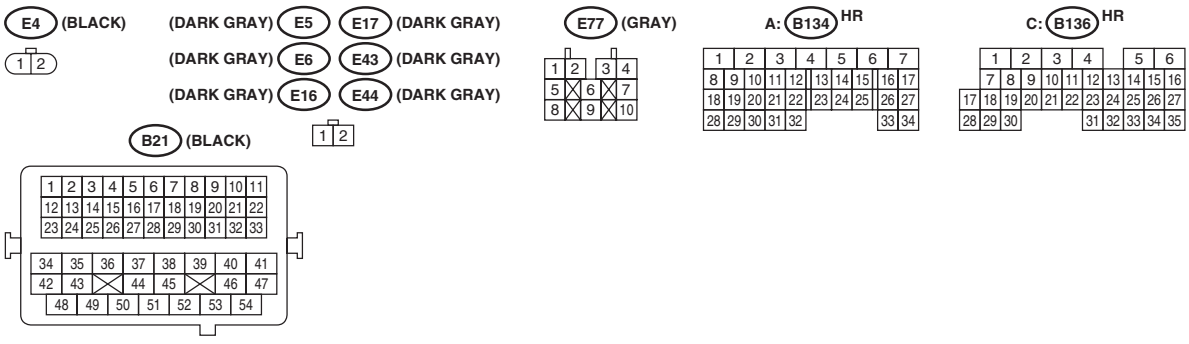
WI-07529


E/G(RH6)-09
E/G(RH6)-09
A: B134 B: B135 C: B136 D: B137 ECM
A18 A28 A19 A29 A21 A20 B25 B24 D7 B1 B4 D3 A6 A4 C19 B12 A7 A5
L R GY RY L LOr R RW BP BW BW LR R Y BL B R Y
E/G(RH6)-04 F
V E/G(RH6)-11
23 24 27 28 25 26 29 30 34 35 37 52 54 36 12
B21
E2
BrY RB LB WR Sb RG P BrG B B B BL BL BL BL
E/G(RH6)-08 U
E67 E68 E69 E70
1 2
OIL FLOW CONTROL SOLENOID VALVE RH
OIL FLOW CONTROL SOLENOID VALVE LH
OIL SWITCHING SOLENOID VALVE RH
OIL SWITCHING SOLENOID VALVE LH
E
GE

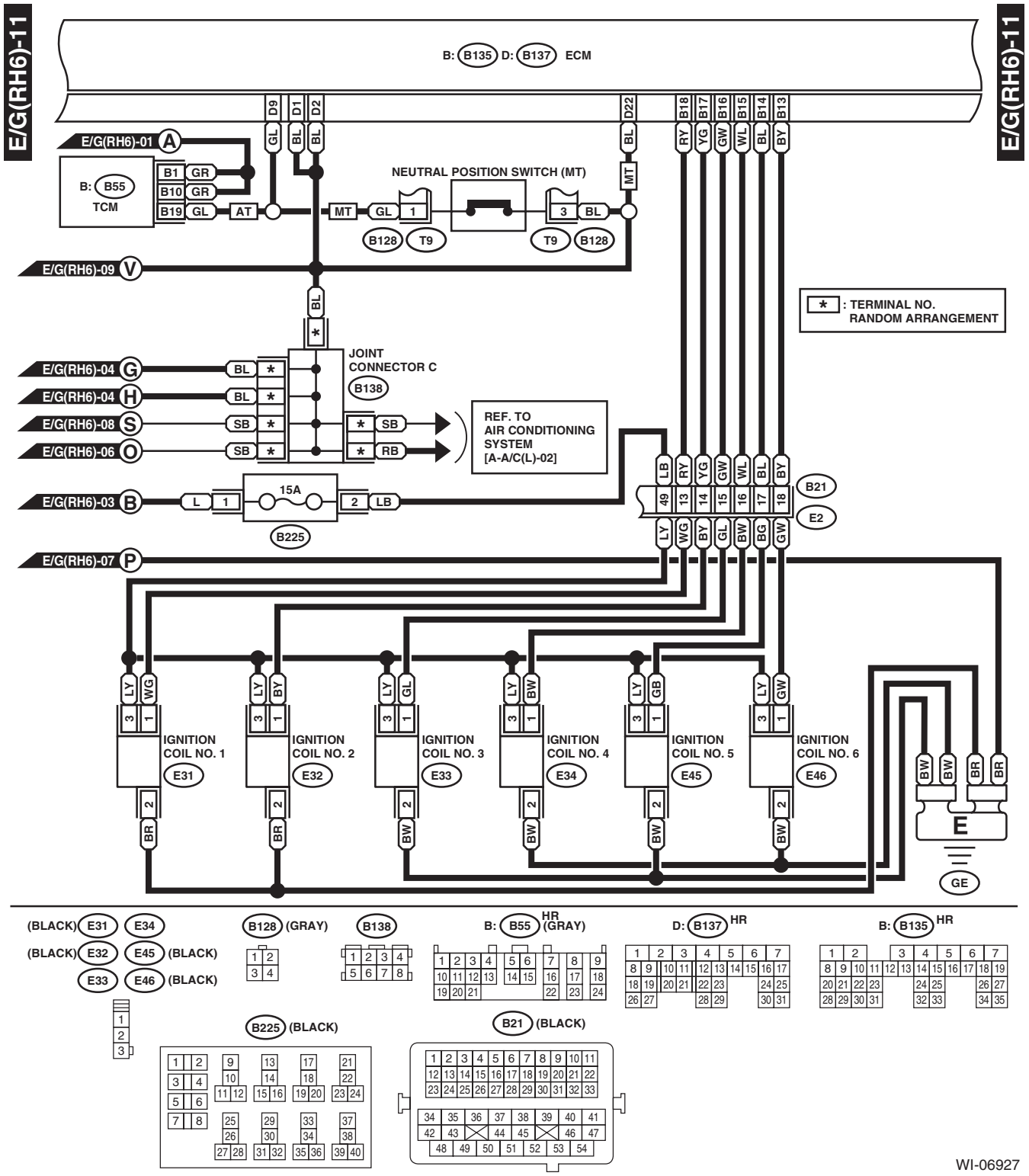

(BLUE) B67 B69 (BLUE)
(BLUE) B68 B70 (BLUE)
1 2
B21 (BLACK)
D: B137 HR
A: B134 HR
B: B135 HR
C: B136 HR

WI-07609


E/G(RH6)-10
E/G(RH6)-07
Q
E/G(RH6)-06
T
E76
E77
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
FUEL INJECTOR NO. 5
E43
FUEL INJECTOR NO. 6
E44
E2
B21
A: B134 C: B136 ECM


E4 (BLACK)
(DARK GRAY) E5
E17 (DARK GRAY)
(DARK GRAY) E6
E43 (DARK GRAY)
(DARK GRAY) E16
E44 (DARK GRAY)
E77 (GRAY)
A: B134 HR
C: B136 HR
B21 (BLACK)

WI-07610

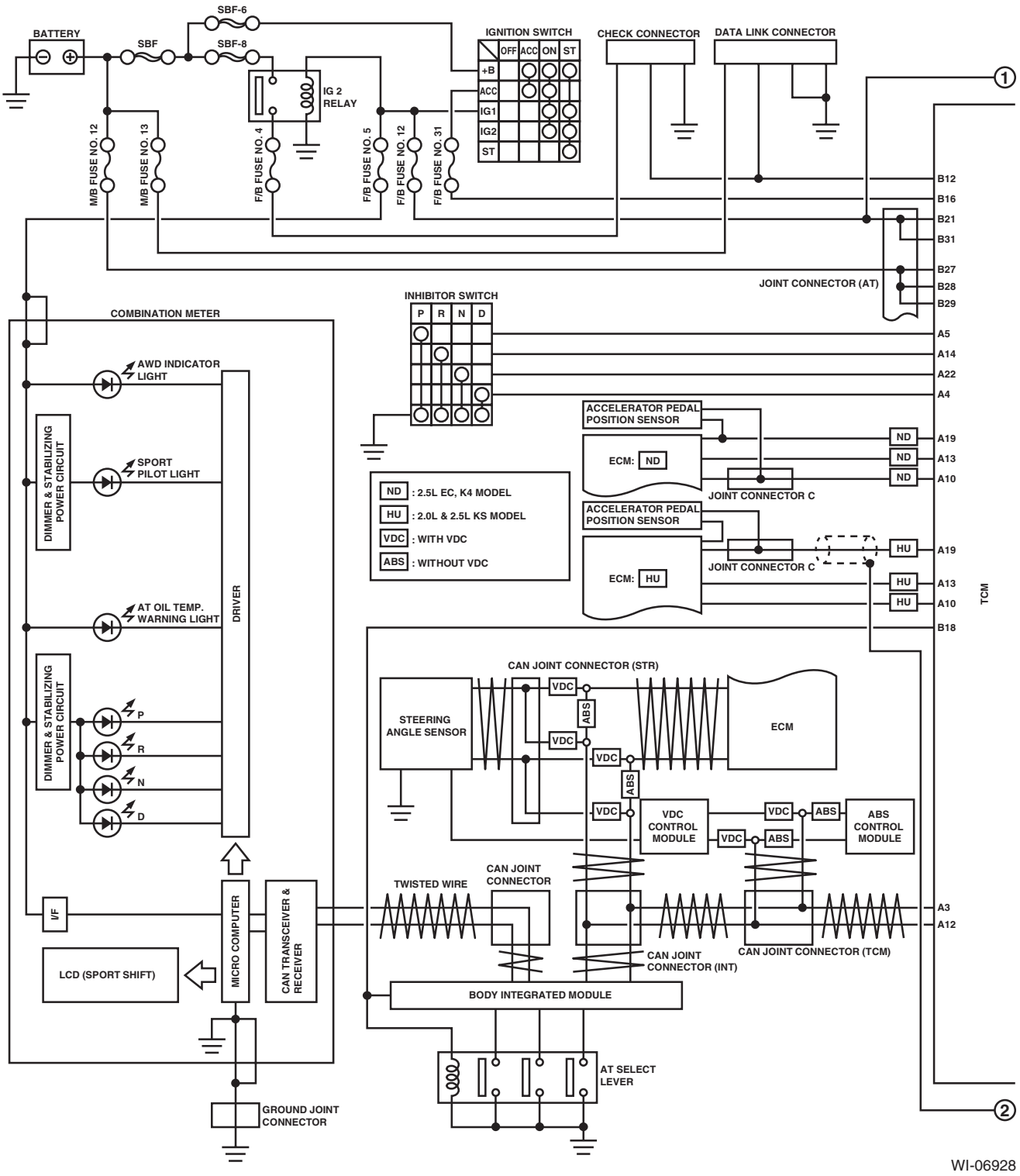

E/G(RH6)-11
E/G(RH6)-11
B: B135 D: B137 ECM
E/G(RH6)-01 A
B: B55 TCM
B1 GR
B10 GR
B19 GL
AT
NEUTRAL POSITION SWITCH (MT)
MT
B128 T9
T9 B128
E/G(RH6)-09 V
JOINT CONNECTOR C
B138
E/G(RH6)-04 G
E/G(RH6)-04 H
E/G(RH6)-08 S
E/G(RH6)-06 O
REF. TO AIR CONDITIONING SYSTEM [A-A/C(L)-02]
E/G(RH6)-03 B
15A
B225
E/G(RH6)-07 P
B21
E2
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
E
GE
* : TERMINAL NO. RANDOM ARRANGEMENT
(BLACK) E31 E34
(BLACK) E32 E45 (BLACK)
E33 E46 (BLACK)
B128 (GRAY)
B138
B: B55 HR (GRAY)
D: B137 HR
B: B135 HR
B225 (BLACK)
B21 (BLACK)

WI-06927

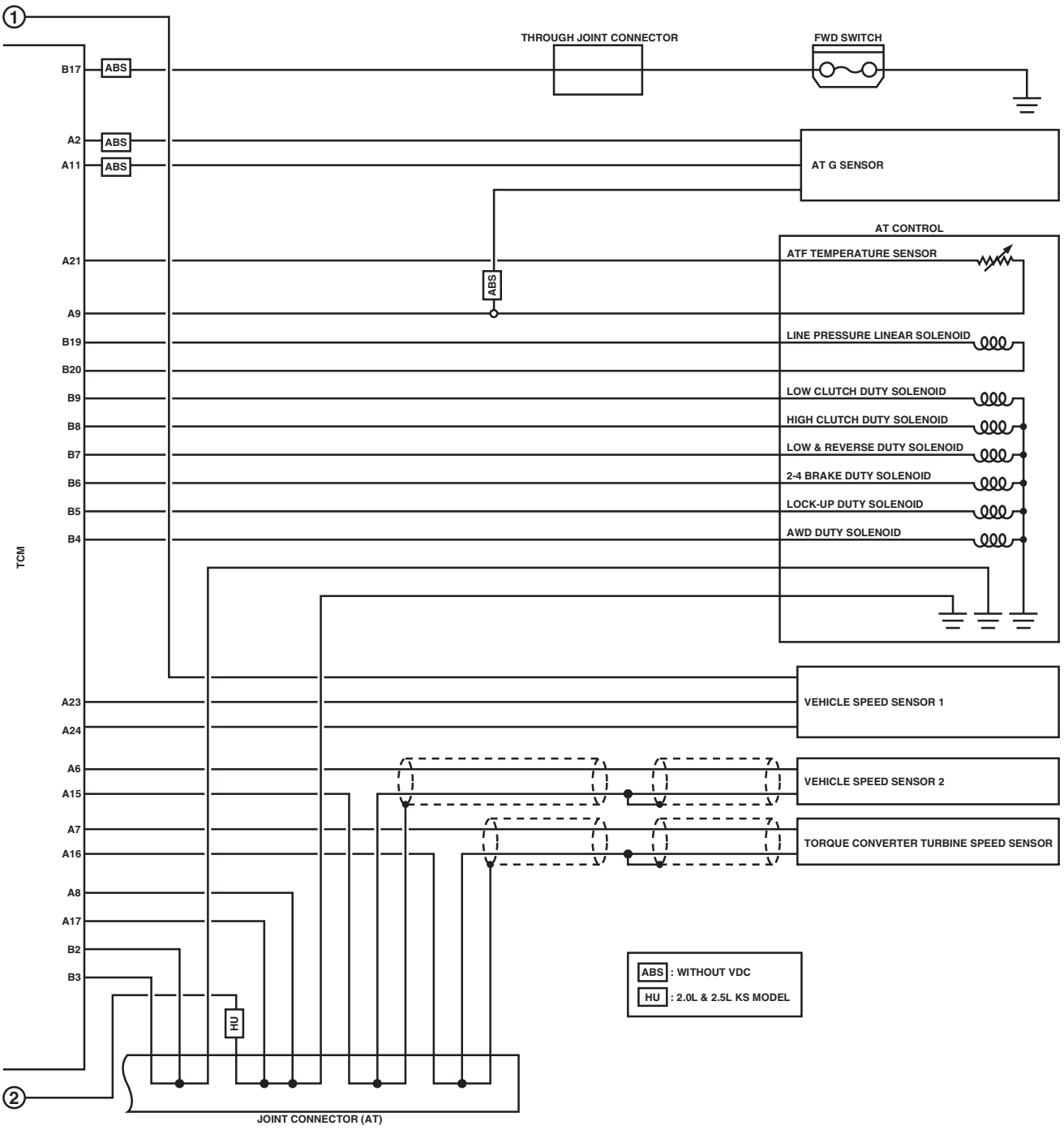
6. AT Control System

A: WIRING DIAGRAM

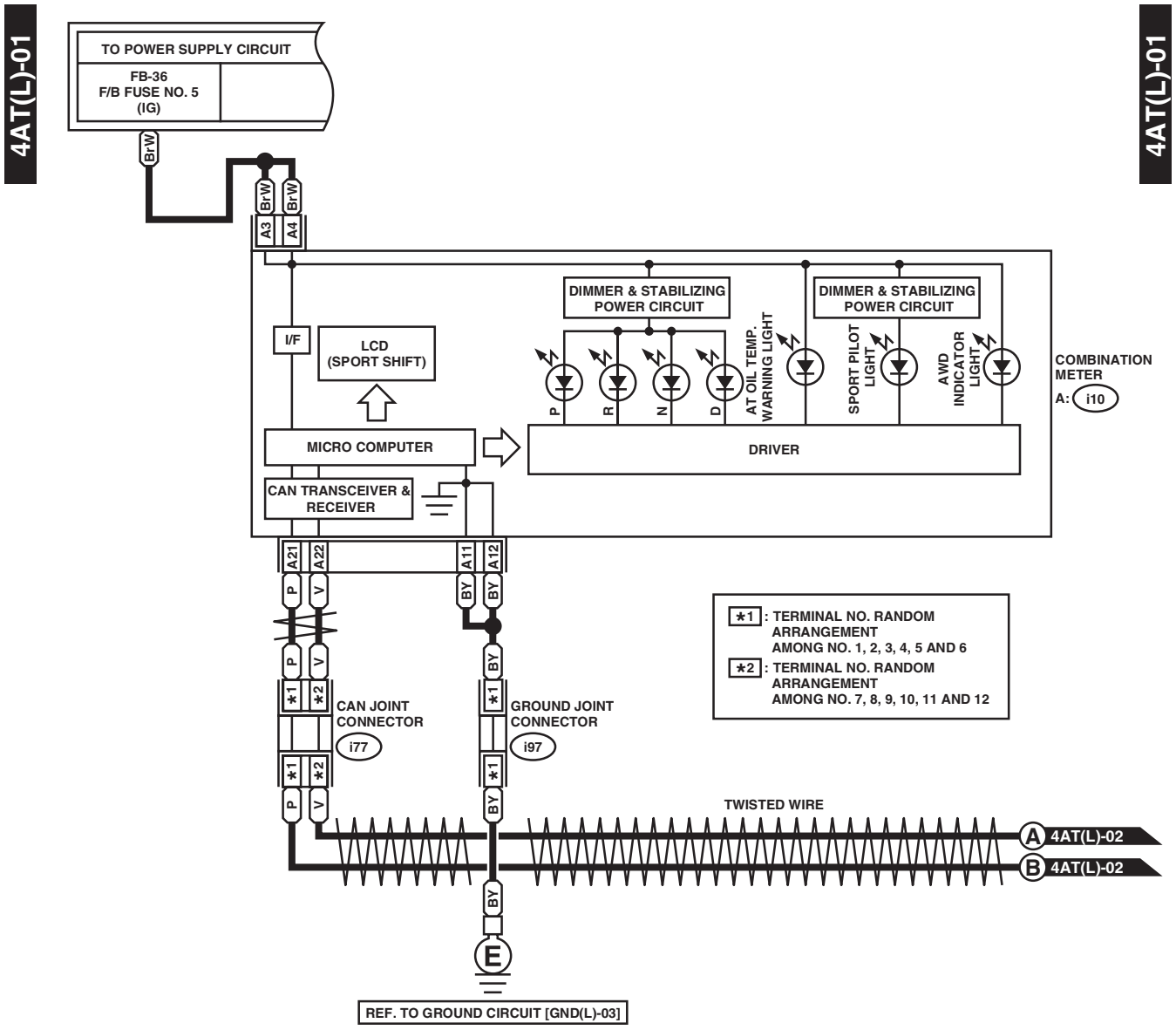
1. LHD 4AT MODEL



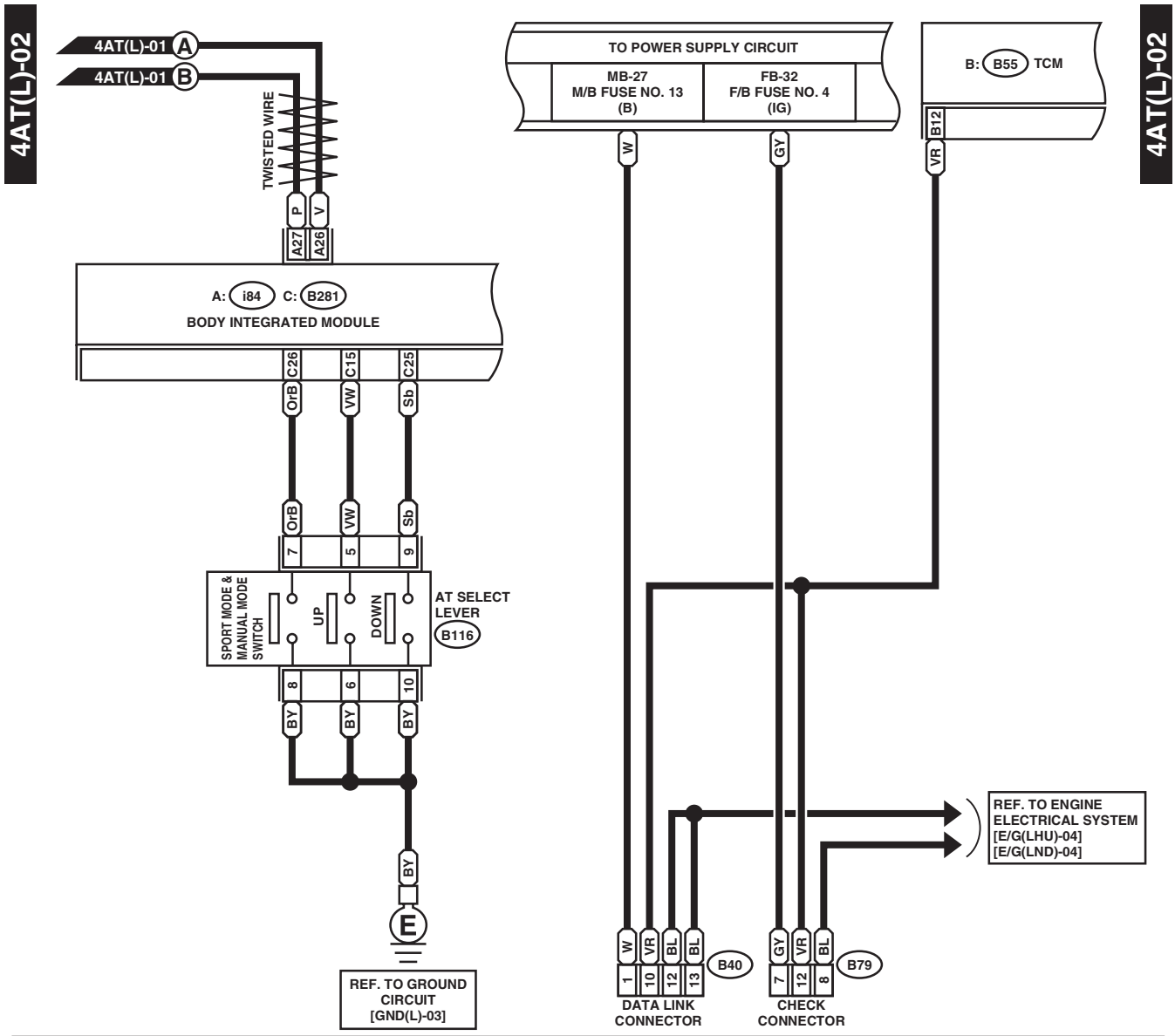
WI-06928

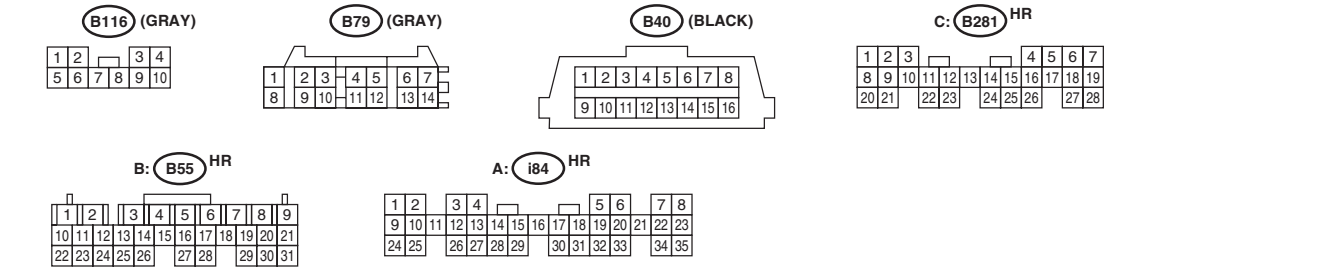

①
②
TCM
B17
ABS
A2
ABS
A11
ABS
A21
ABS
A9
B19
B20
B9
B8
B7
B6
B5
B4
A23
A24
A6
A15
A7
A16
A8
A17
B2
B3
HU
THROUGH JOINT CONNECTOR
FWD SWITCH
AT G SENSOR
AT CONTROL
ATF TEMPERATURE SENSOR
LINE PRESSURE LINEAR SOLENOID
LOW CLUTCH DUTY SOLENOID
HIGH CLUTCH DUTY SOLENOID
LOW & REVERSE DUTY SOLENOID
2-4 BRAKE DUTY SOLENOID
LOCK-UP DUTY SOLENOID
AWD DUTY SOLENOID
VEHICLE SPEED SENSOR 1
VEHICLE SPEED SENSOR 2
TORQUE CONVERTER TURBINE SPEED SENSOR
ABS : WITHOUT VDC
HU : 2.0L & 2.5L KS MODEL
JOINT CONNECTOR (AT)

WI-06929

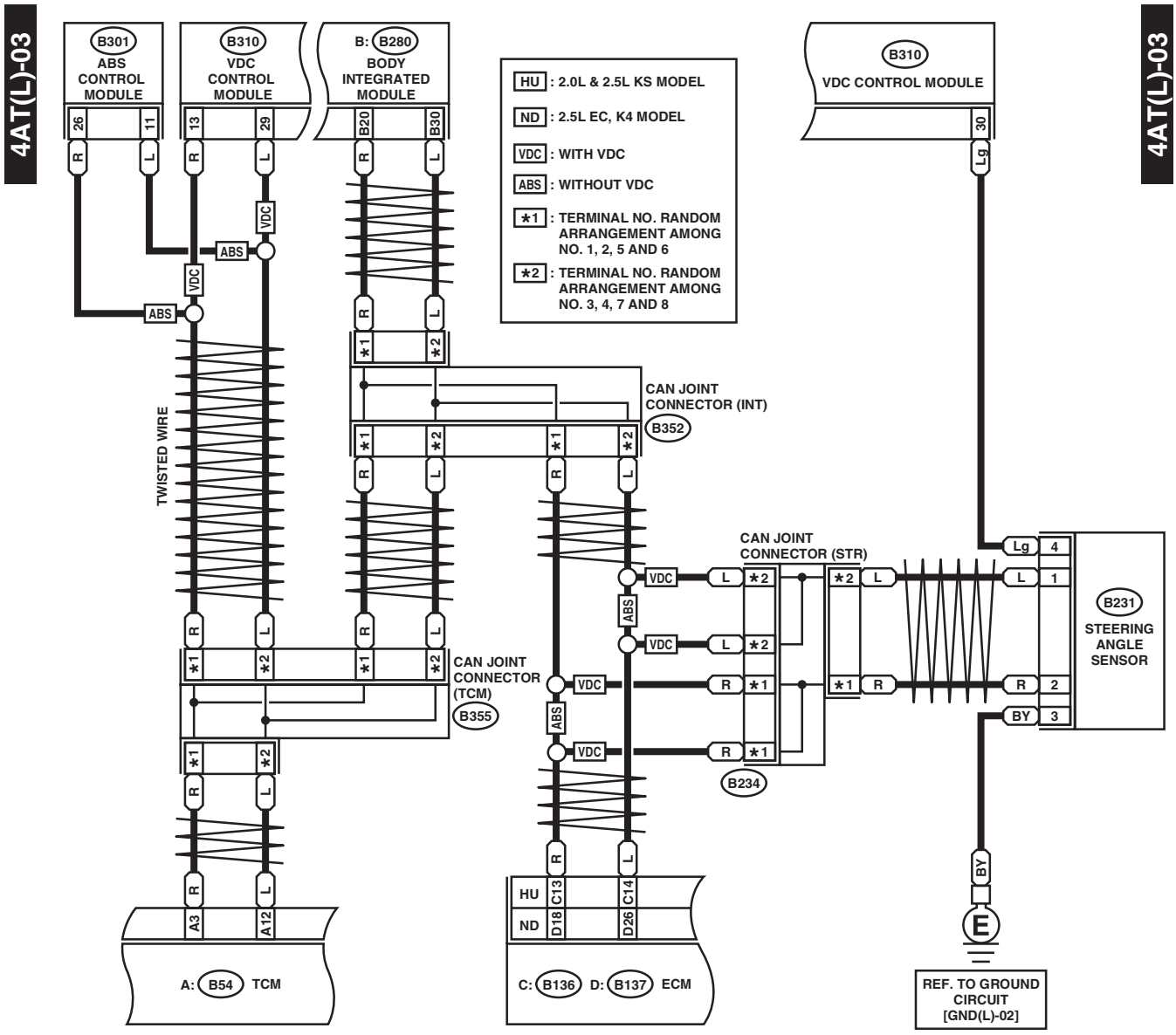

4AT(L)-01
4AT(L)-01
TO POWER SUPPLY CIRCUIT
FB-36
F/B FUSE NO. 5
(IG)
BrW
A3
A4
I/F
LCD
(SPORT SHIFT)
DIMMER & STABILIZING POWER CIRCUIT
DIMMER & STABILIZING POWER CIRCUIT
P
R
N
D
AT OIL TEMP. WARNING LIGHT
SPORT PILOT LIGHT
AWD INDICATOR LIGHT
COMBINATION METER
A: i10
MICRO COMPUTER
DRIVER
CAN TRANSCEIVER & RECEIVER
A21
A22
A11
A12
P
V
BY
*1 : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 1, 2, 3, 4, 5 AND 6
*2 : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 7, 8, 9, 10, 11 AND 12
CAN JOINT CONNECTOR
i77
GROUND JOINT CONNECTOR
i97
TWISTED WIRE
A 4AT(L)-02
B 4AT(L)-02
E
REF. TO GROUND CIRCUIT [GND(L)-03]
i77
1 2 3 4 5 6 7 8 9 10 11 12
i97
1 2 3 4 5 6
7 8 9 10 11 12
A: i10
1 2 3 4 5 6 7 8 9 10
11 12 13 14 15 16 17 18 19 20 21 22

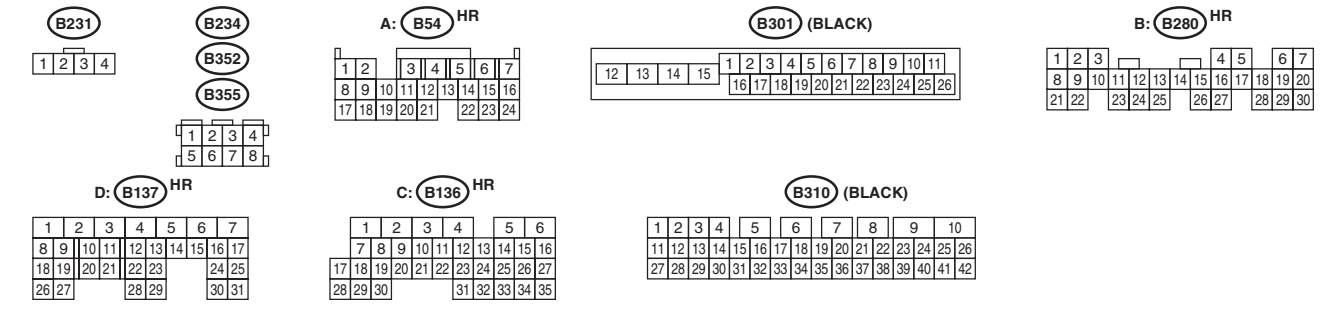
WI-07530


4AT(L)-02
4AT(L)-01 A
4AT(L)-01 B
TWISTED WIRE
P
V
A27
A26
A: i84 C: B281
BODY INTEGRATED MODULE
C26
C15
C25
OrB
VW
Sb
7
5
9
SPORT MODE & MANUAL MODE SWITCH
UP
DOWN
AT SELECT LEVER
B116
8
6
10
BY
E
REF. TO GROUND CIRCUIT [GND(L)-03]
TO POWER SUPPLY CIRCUIT
MB-27 M/B FUSE NO. 13 (B)
FB-32 F/B FUSE NO. 4 (IG)
B: B55 TCM
B12
VR
W
GY
REF. TO ENGINE ELECTRICAL SYSTEM [E/G(LHU)-04] [E/G(LND)-04]
W
VR
BL
BL
1
10
12
13
B40
DATA LINK CONNECTOR
GY
VR
BL
7
12
8
B79
CHECK CONNECTOR


B116 (GRAY)
B79 (GRAY)
B40 (BLACK)
C: B281 HR
B: B55 HR
A: i84 HR

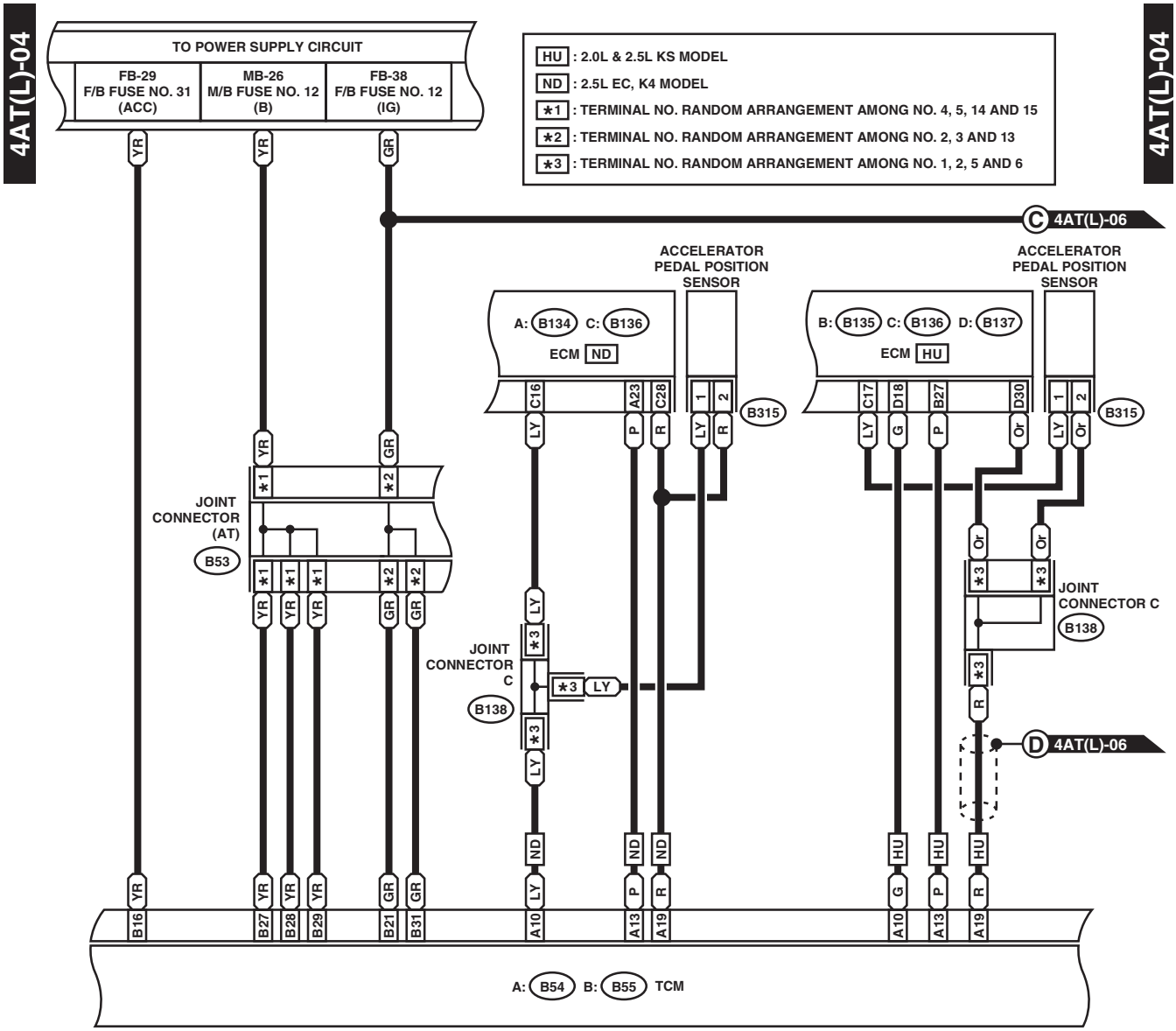
WI-06930

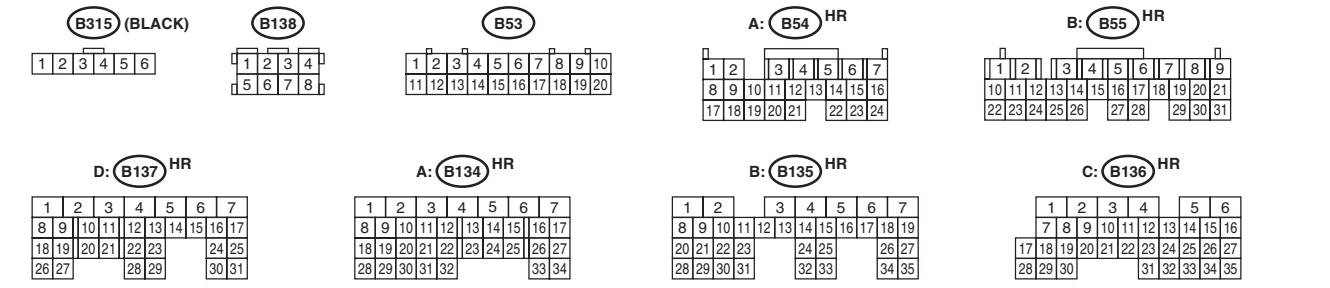

4AT(L)-03
4AT(L)-03
B301
ABS CONTROL MODULE
B310
VDC CONTROL MODULE
B: B280
BODY INTEGRATED MODULE
B310
VDC CONTROL MODULE
HU : 2.0L & 2.5L KS MODEL
ND : 2.5L EC, K4 MODEL
VDC : WITH VDC
ABS : WITHOUT VDC
*1 : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 1, 2, 5 AND 6
*2 : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 3, 4, 7 AND 8
CAN JOINT CONNECTOR (INT)
B352
TWISTED WIRE
CAN JOINT CONNECTOR (STR)
CAN JOINT CONNECTOR (TCM)
B355
B234
B231
STEERING ANGLE SENSOR
A: B54 TCM
C: B136 D: B137 ECM
REF. TO GROUND CIRCUIT [GND(L)-02]


B231
B234
B352
B355
A: B54 HR
B301 (BLACK)
B: B280 HR
D: B137 HR
C: B136 HR
B310 (BLACK)

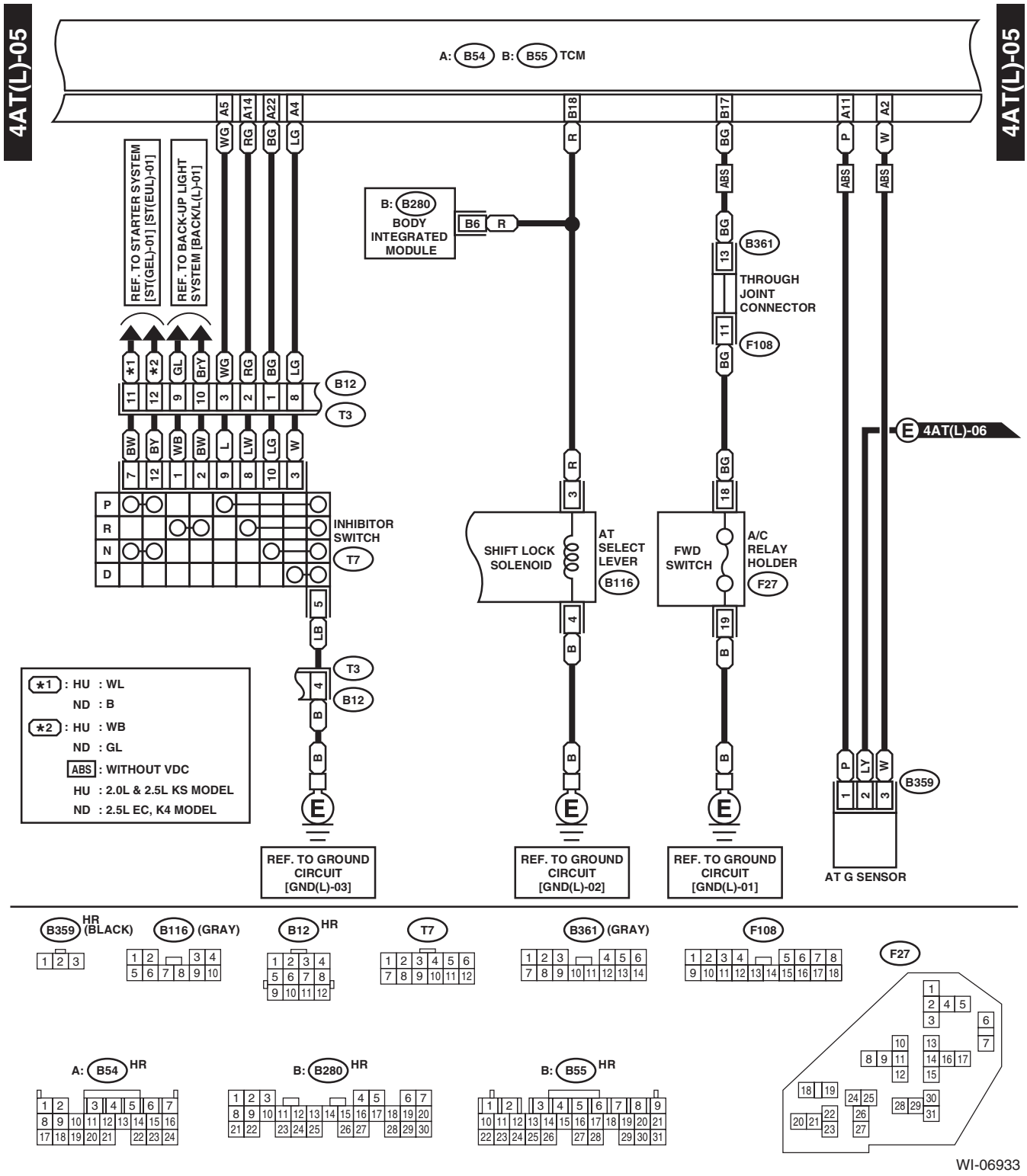
WI-06931

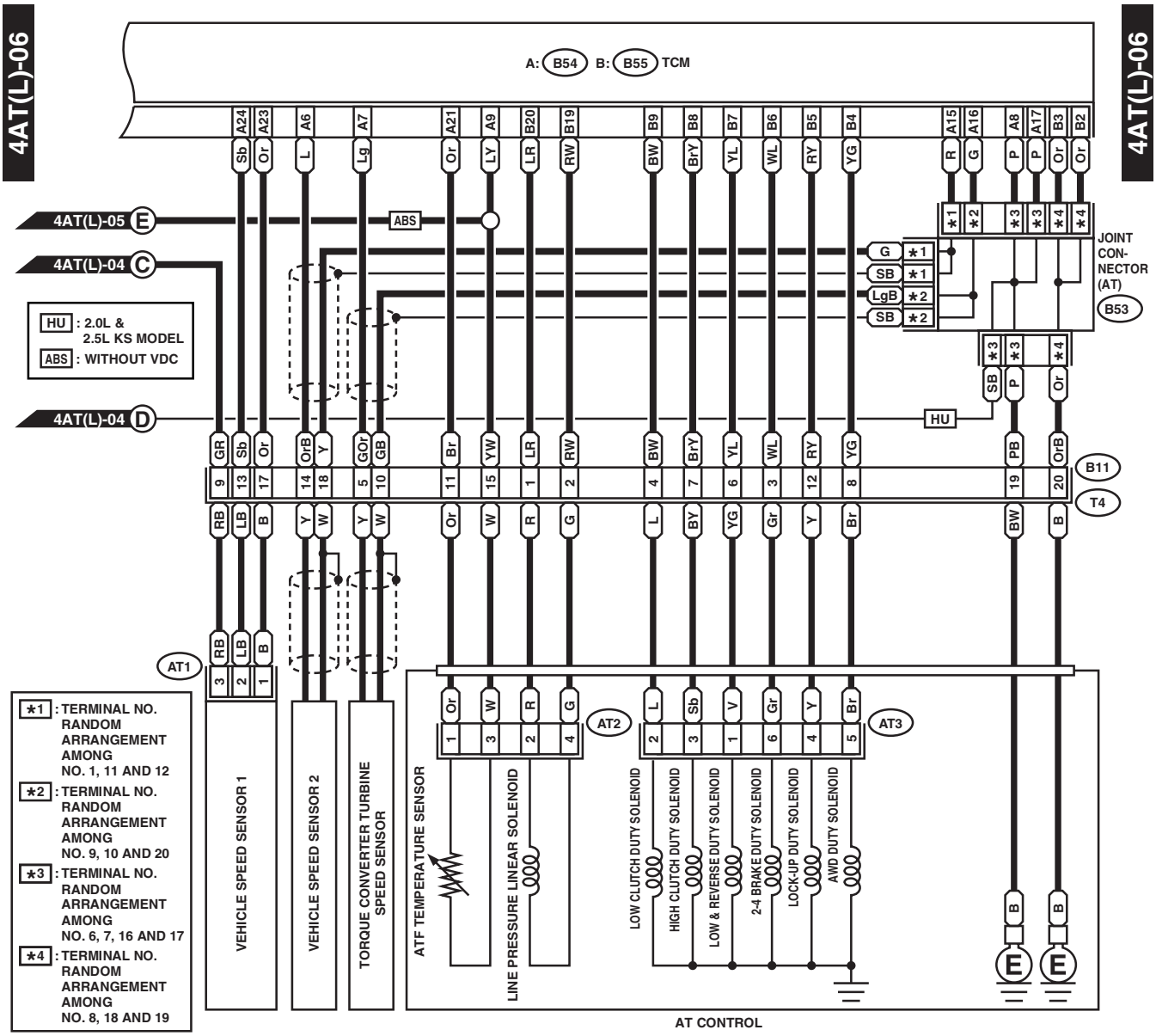
4AT(L)-04

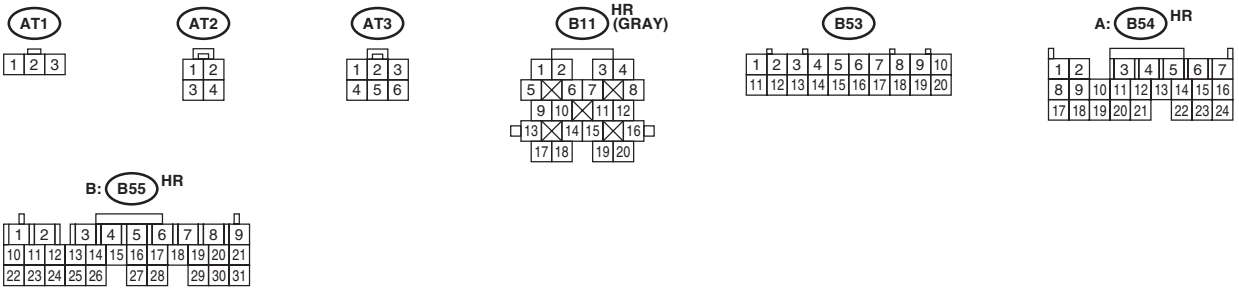




WI-06932

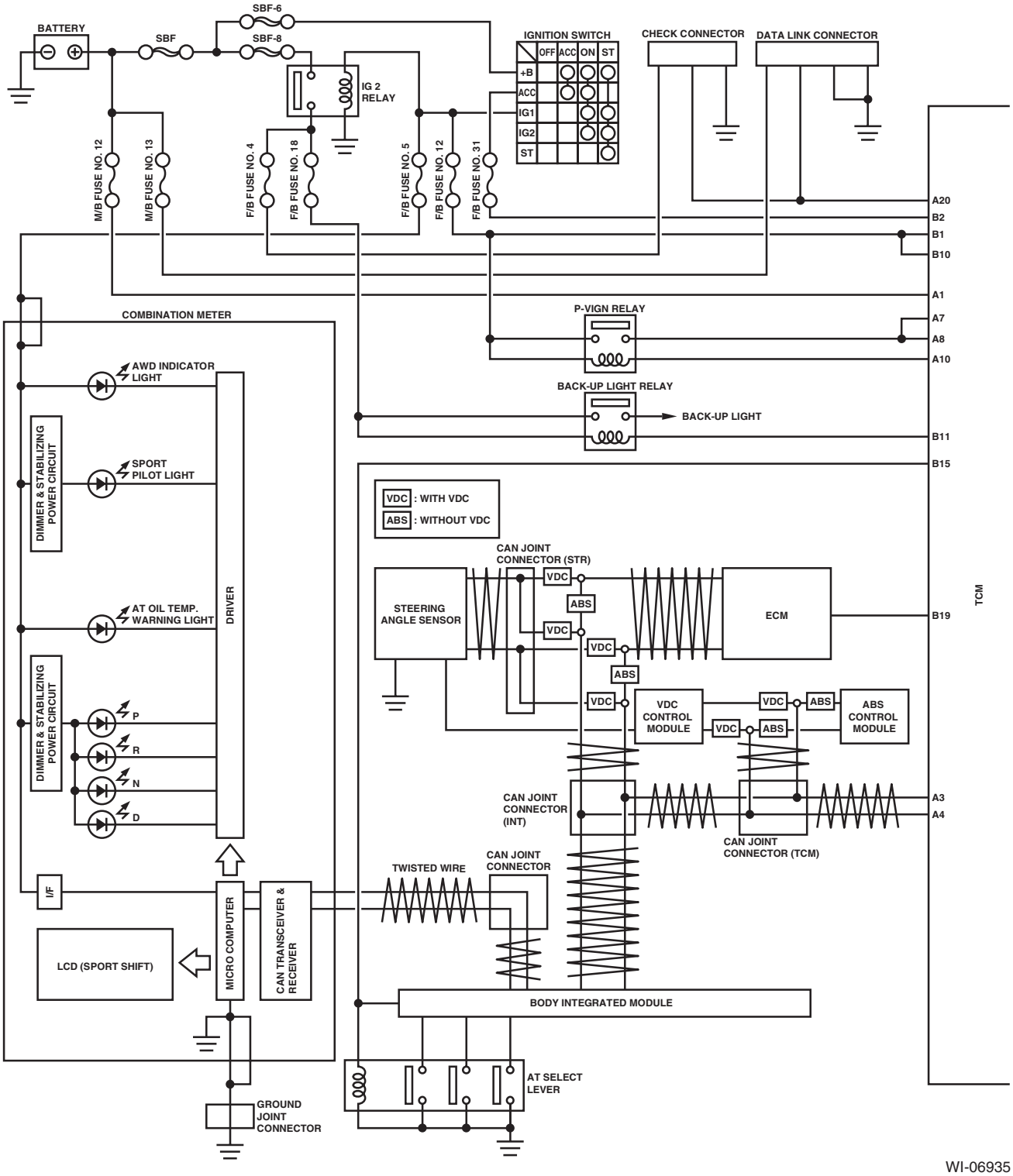

4AT(L)-05
4AT(L)-05
A: B54 B: B55 TCM
A5 A14 A22 A4 B18 B17 A11 A2
WG RG BG LG R BG P W
ABS ABS ABS
REF. TO STARTER SYSTEM [ST(GEL)-01] [ST(EUL)-01]
REF. TO BACK-UP LIGHT SYSTEM [BACK/L(L)-01]
B: B280 BODY INTEGRATED MODULE
B6 R
B361
THROUGH JOINT CONNECTOR
F108
*1 *2 GL BrY WG RG BG LG
11 12 9 10 3 2 1 8
B12
T3
BW BY WB BW L LW LG W
7 12 1 2 9 8 10 3
P R N D
INHIBITOR SWITCH
T7
5 LB
T3
4
B12
B
B
E
REF. TO GROUND CIRCUIT [GND(L)-03]
3 R
SHIFT LOCK SOLENOID
AT SELECT LEVER
B116
4
B
E
REF. TO GROUND CIRCUIT [GND(L)-02]
18 BG
FWD SWITCH
A/C RELAY HOLDER
F27
19
B
E
REF. TO GROUND CIRCUIT [GND(L)-01]
E 4AT(L)-06
P LY W
1 2 3
B359
AT G SENSOR
*1 : HU : WL
ND : B
*2 : HU : WB
ND : GL
ABS : WITHOUT VDC
HU : 2.0L & 2.5L KS MODEL
ND : 2.5L EC, K4 MODEL
B359 HR (BLACK)
B116 (GRAY)
B12 HR
T7
B361 (GRAY)
F108
F27
A: B54 HR
B: B280 HR
B: B55 HR
WI-06933


4AT(L)-06
A: B54 B: B55 TCM
4AT(L)-05 E
4AT(L)-04 C
4AT(L)-04 D
ABS
HU : 2.0L & 2.5L KS MODEL
ABS : WITHOUT VDC
JOINT CONNECTOR (AT)
B53
B11
T4
AT1
AT2
AT3
*1 : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 1, 11 AND 12
*2 : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 9, 10 AND 20
*3 : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 6, 7, 16 AND 17
*4 : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 8, 18 AND 19
VEHICLE SPEED SENSOR 1
VEHICLE SPEED SENSOR 2
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
AWD DUTY SOLENOID
AT CONTROL

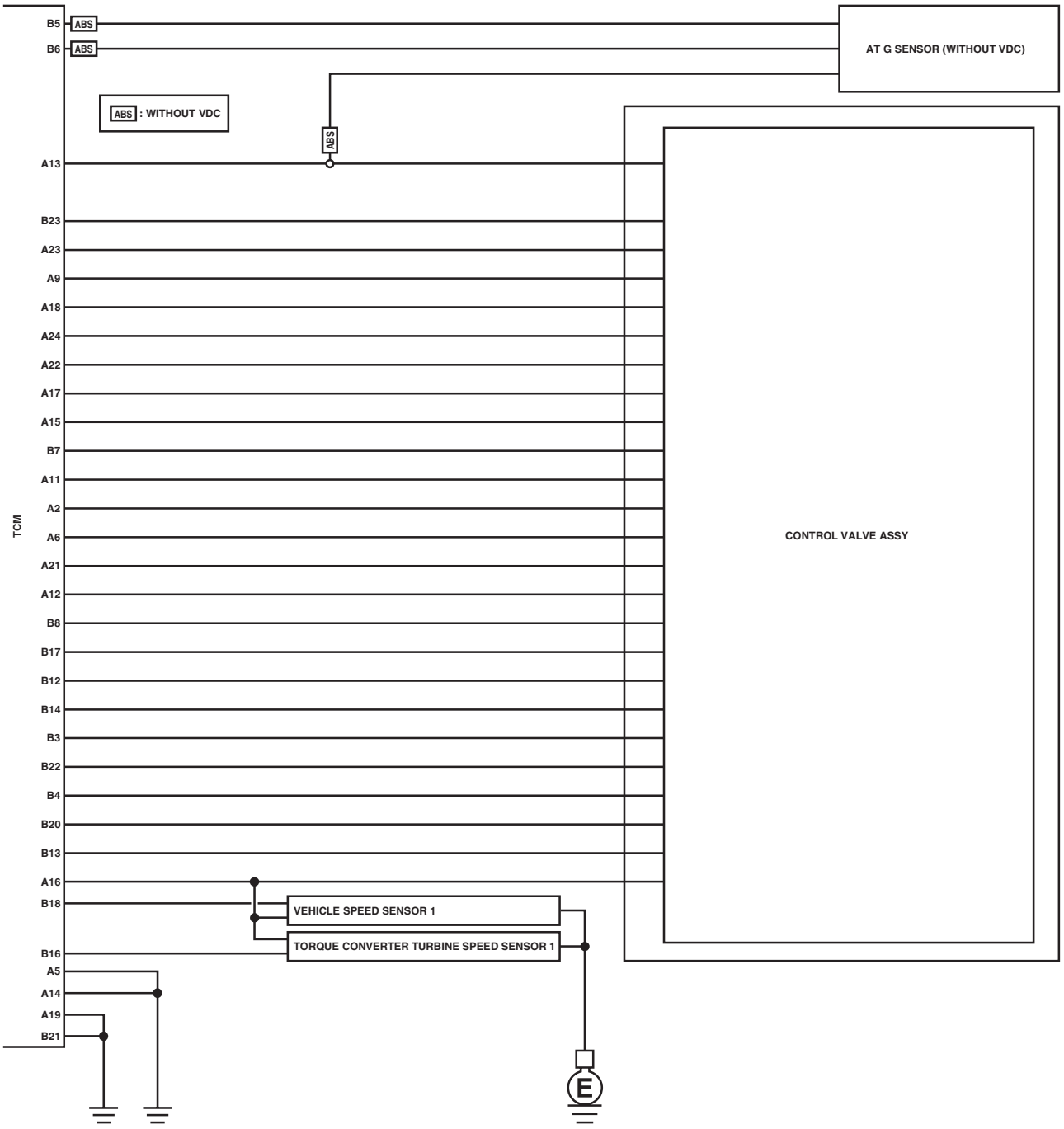

AT1
AT2
AT3
B11 HR (GRAY)
B53
A: B54 HR
B: B55 HR

WI-06934

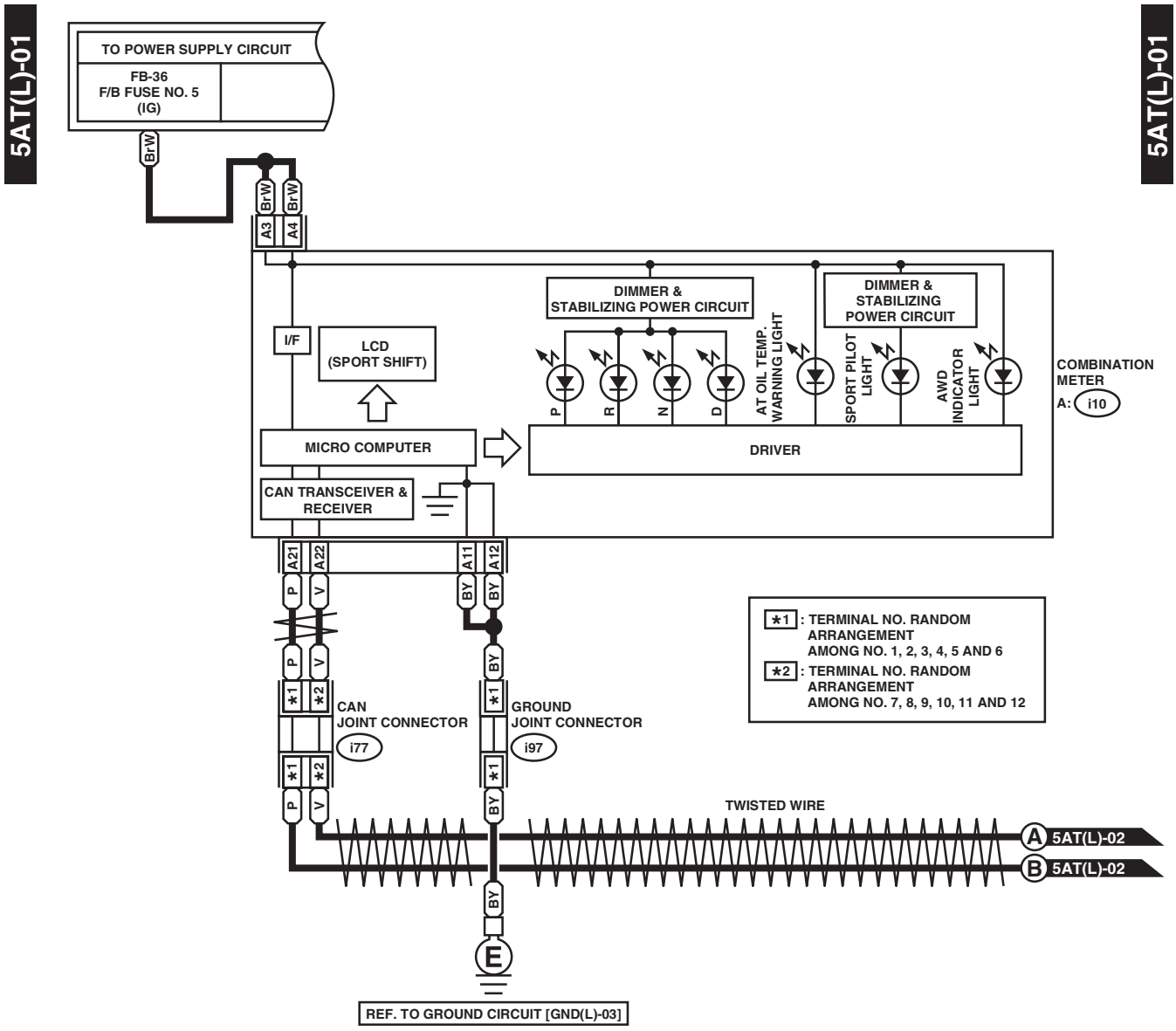
2. LHD 5AT MODEL

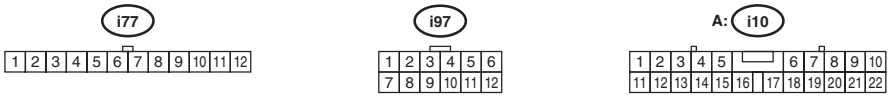


WI-06935

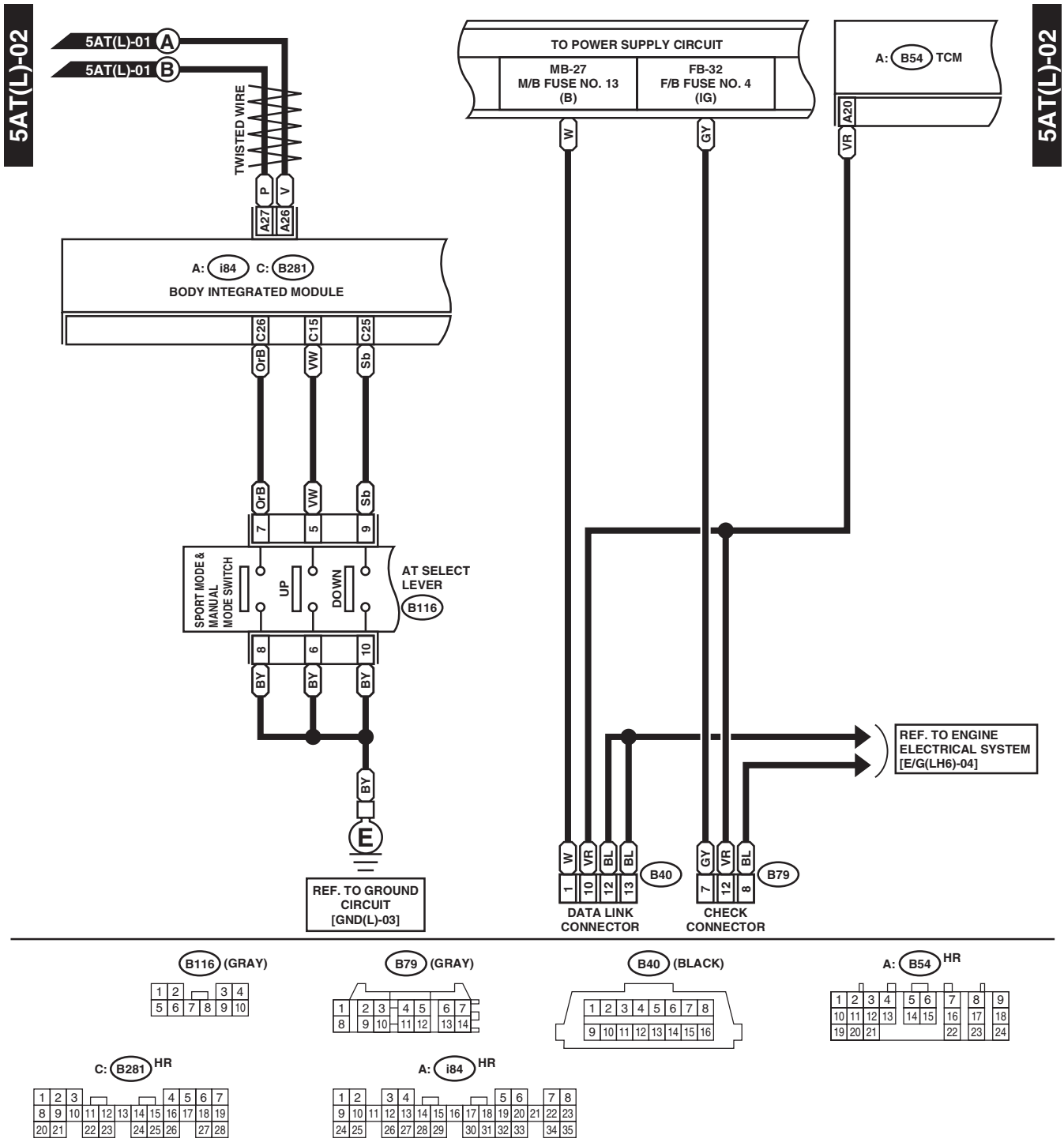

TCM
B5
ABS
B6
ABS
ABS : WITHOUT VDC
ABS
A13
B23
A23
A9
A18
A24
A22
A17
A15
B7
A11
A2
A6
A21
A12
B8
B17
B12
B14
B3
B22
B4
B20
B13
A16
B18
B16
A5
A14
A19
B21
AT G SENSOR (WITHOUT VDC)
CONTROL VALVE ASSY
VEHICLE SPEED SENSOR 1
TORQUE CONVERTER TURBINE SPEED SENSOR 1
E

WI-06936

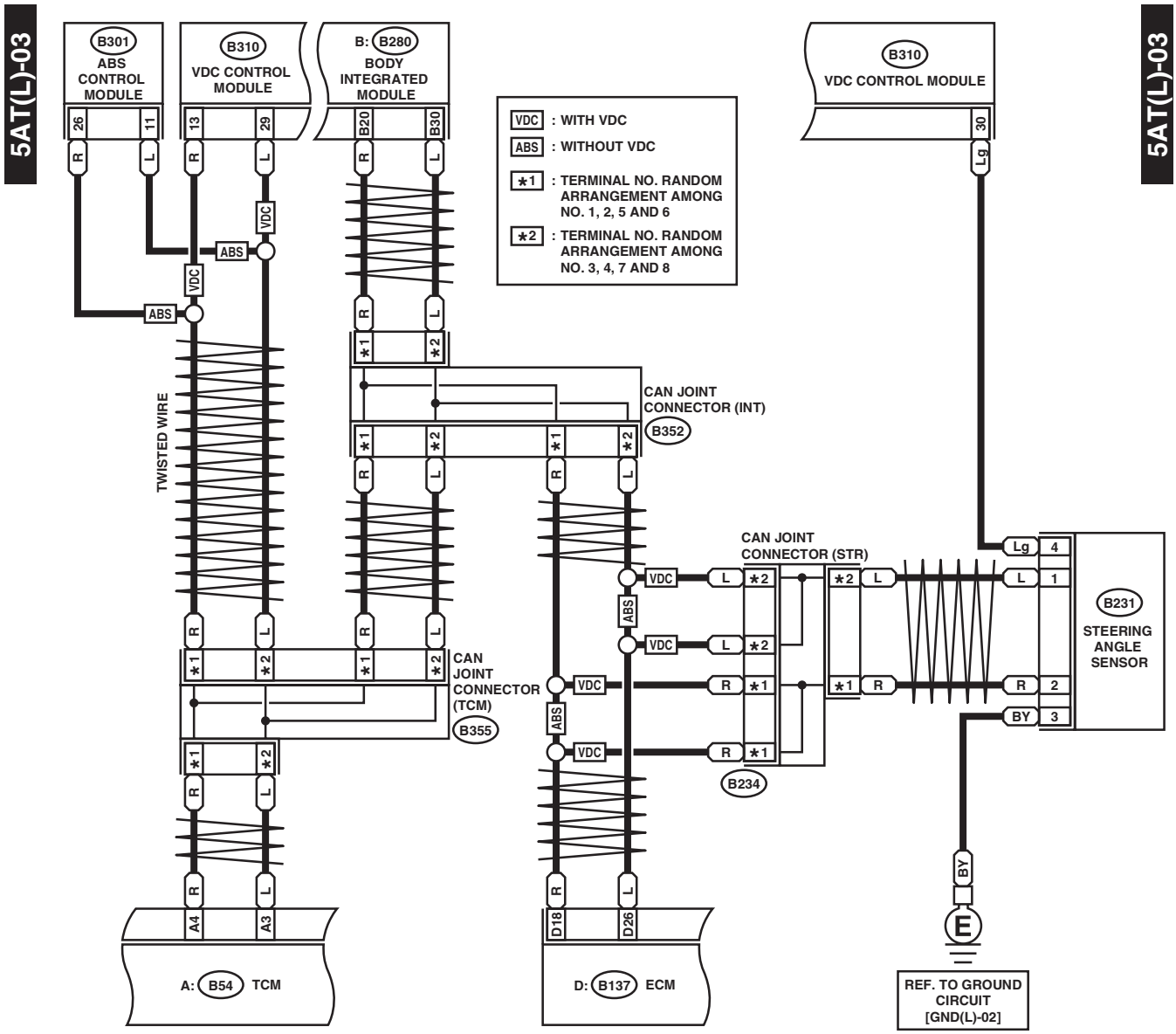

5AT(L)-01
5AT(L)-01
TO POWER SUPPLY CIRCUIT
FB-36
F/B FUSE NO. 5
(IG)
BrW
A3
A4
I/F
LCD
(SPORT SHIFT)
DIMMER &
STABILIZING POWER CIRCUIT
DIMMER &
STABILIZING
POWER CIRCUIT
P
R
N
D
AT OIL TEMP.
WARNING LIGHT
SPORT PILOT
LIGHT
AWD
INDICATOR
LIGHT
COMBINATION
METER
A: i10
MICRO COMPUTER
DRIVER
CAN TRANSCEIVER &
RECEIVER
A21
A22
A11
A12
P
V
BY
*1 : TERMINAL NO. RANDOM
ARRANGEMENT
AMONG NO. 1, 2, 3, 4, 5 AND 6
*2 : TERMINAL NO. RANDOM
ARRANGEMENT
AMONG NO. 7, 8, 9, 10, 11 AND 12
CAN
JOINT CONNECTOR
i77
GROUND
JOINT CONNECTOR
i97
TWISTED WIRE
A 5AT(L)-02
B 5AT(L)-02
E
REF. TO GROUND CIRCUIT [GND(L)-03]

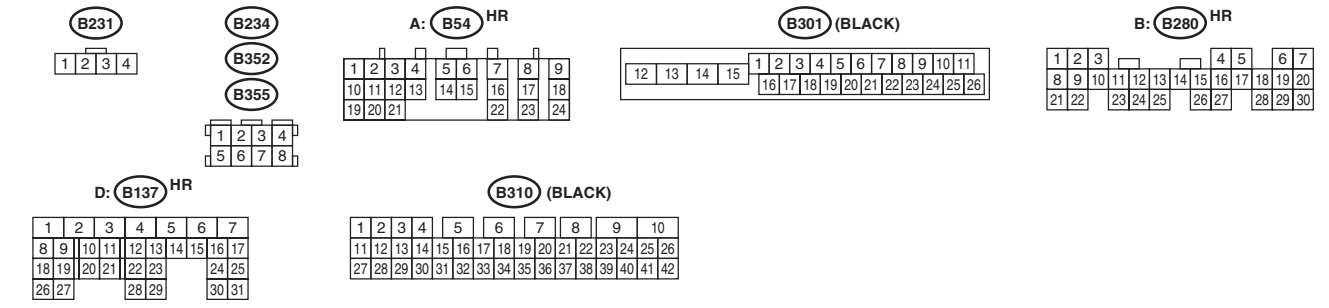

i77
1 2 3 4 5 6 7 8 9 10 11 12
i97
1 2 3 4 5 6
7 8 9 10 11 12
A: i10
1 2 3 4 5 6 7 8 9 10
11 12 13 14 15 16 17 18 19 20 21 22

WI-07531


5AT(L)-02
5AT(L)-01 A
5AT(L)-01 B
TWISTED WIRE
P
V
A27
A26
A: i84 C: B281
BODY INTEGRATED MODULE
C26
C15
C25
OrB
VW
Sb
7
5
9
SPORT MODE & MANUAL MODE SWITCH
UP
DOWN
AT SELECT LEVER
B116
8
6
10
BY
REF. TO GROUND CIRCUIT [GND(L)-03]
TO POWER SUPPLY CIRCUIT
MB-27 M/B FUSE NO. 13 (B)
FB-32 F/B FUSE NO. 4 (IG)
W
GY
A: B54 TCM
A20
VR
REF. TO ENGINE ELECTRICAL SYSTEM [E/G(LH6)-04]
W
VR
BL
BL
1
10
12
13
B40
DATA LINK CONNECTOR
GY
VR
BL
7
12
8
B79
CHECK CONNECTOR
B116 (GRAY)
B79 (GRAY)
B40 (BLACK)
A: B54 HR
C: B281 HR
A: i84 HR

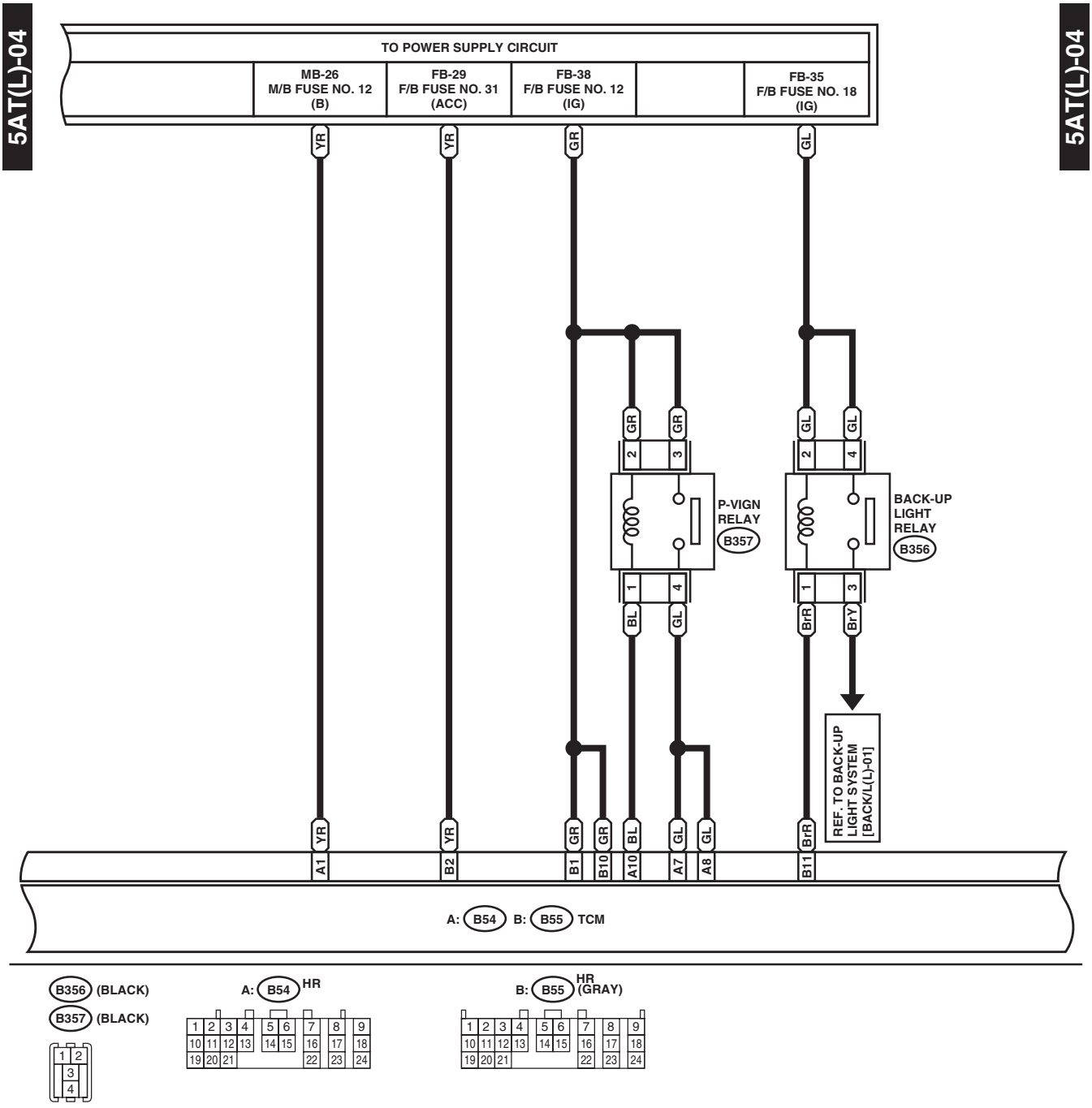
WI-07532


5AT(L)-03
5AT(L)-03
B301
ABS CONTROL MODULE
B310
VDC CONTROL MODULE
B: B280
BODY INTEGRATED MODULE
B310
VDC CONTROL MODULE
VDC : WITH VDC
ABS : WITHOUT VDC
*1 : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 1, 2, 5 AND 6
*2 : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 3, 4, 7 AND 8
TWISTED WIRE
CAN JOINT CONNECTOR (INT)
B352
CAN JOINT CONNECTOR (STR)
CAN JOINT CONNECTOR (TCM)
B355
B234
B231
STEERING ANGLE SENSOR
A: B54 TCM
D: B137 ECM
REF. TO GROUND CIRCUIT [GND(L)-02]

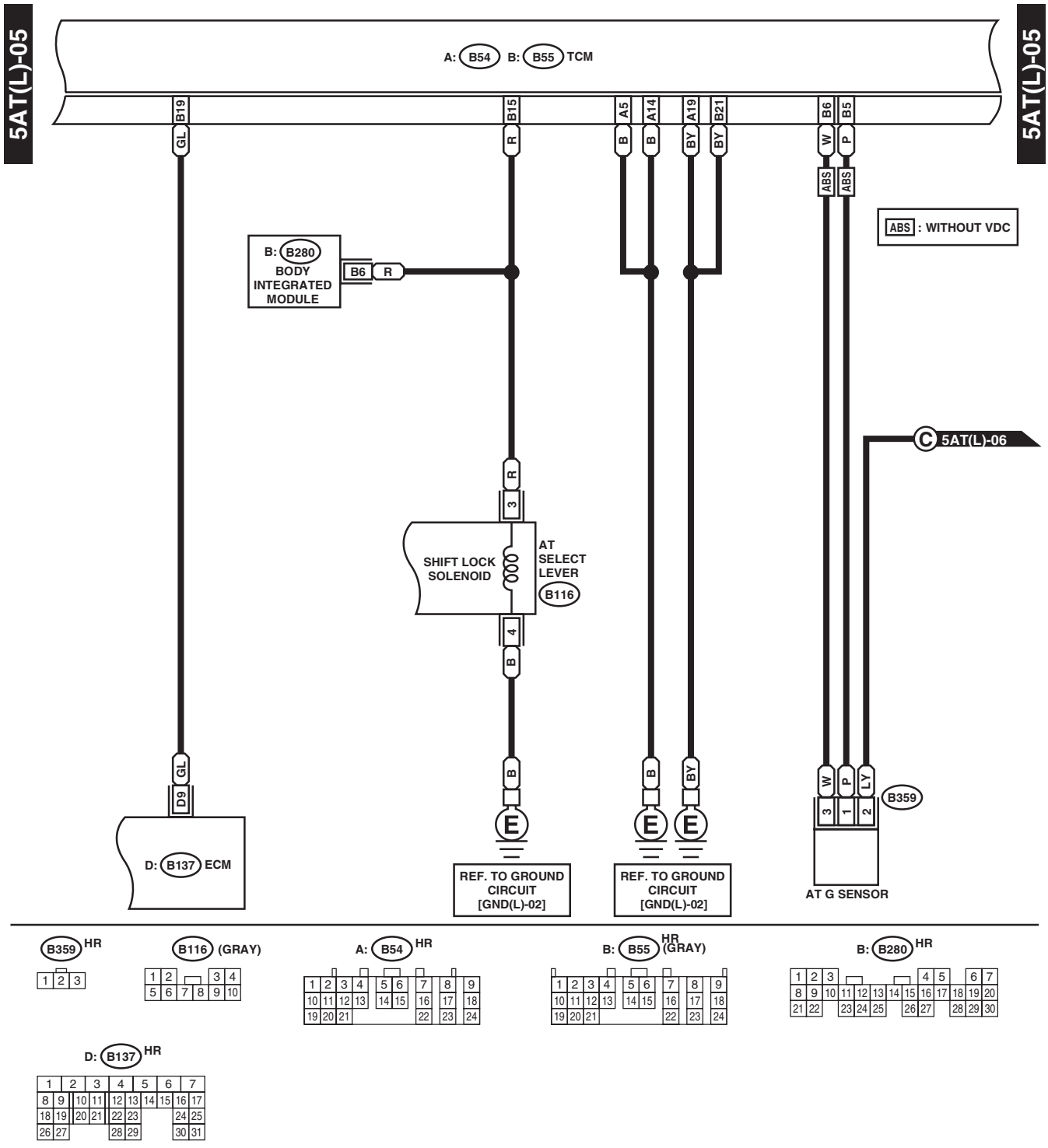

B231
B234
B352
B355
A: B54 HR
B301 (BLACK)
B: B280 HR
D: B137 HR
B310 (BLACK)

WI-06937

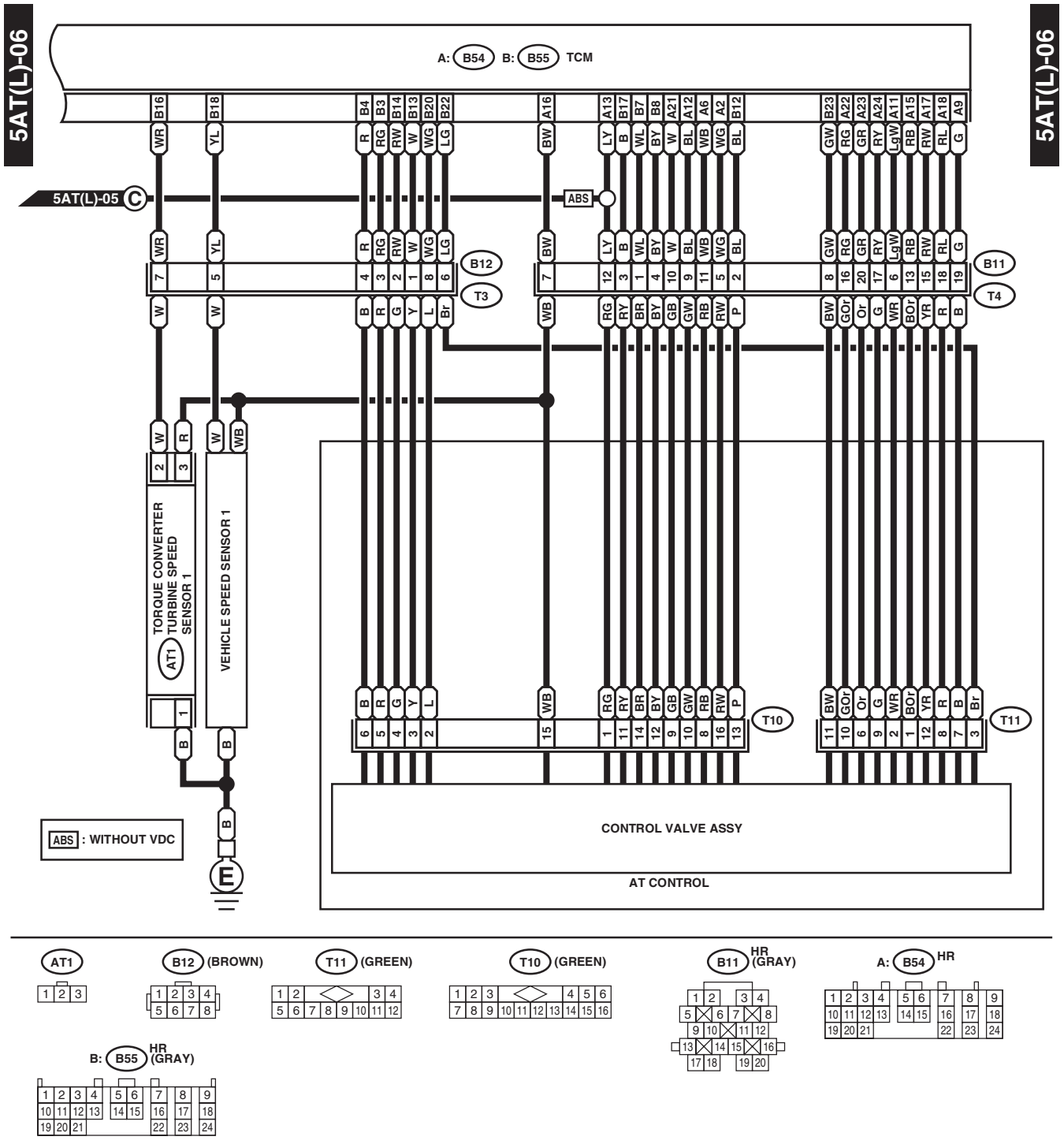
5AT(L)-04



WI-06938

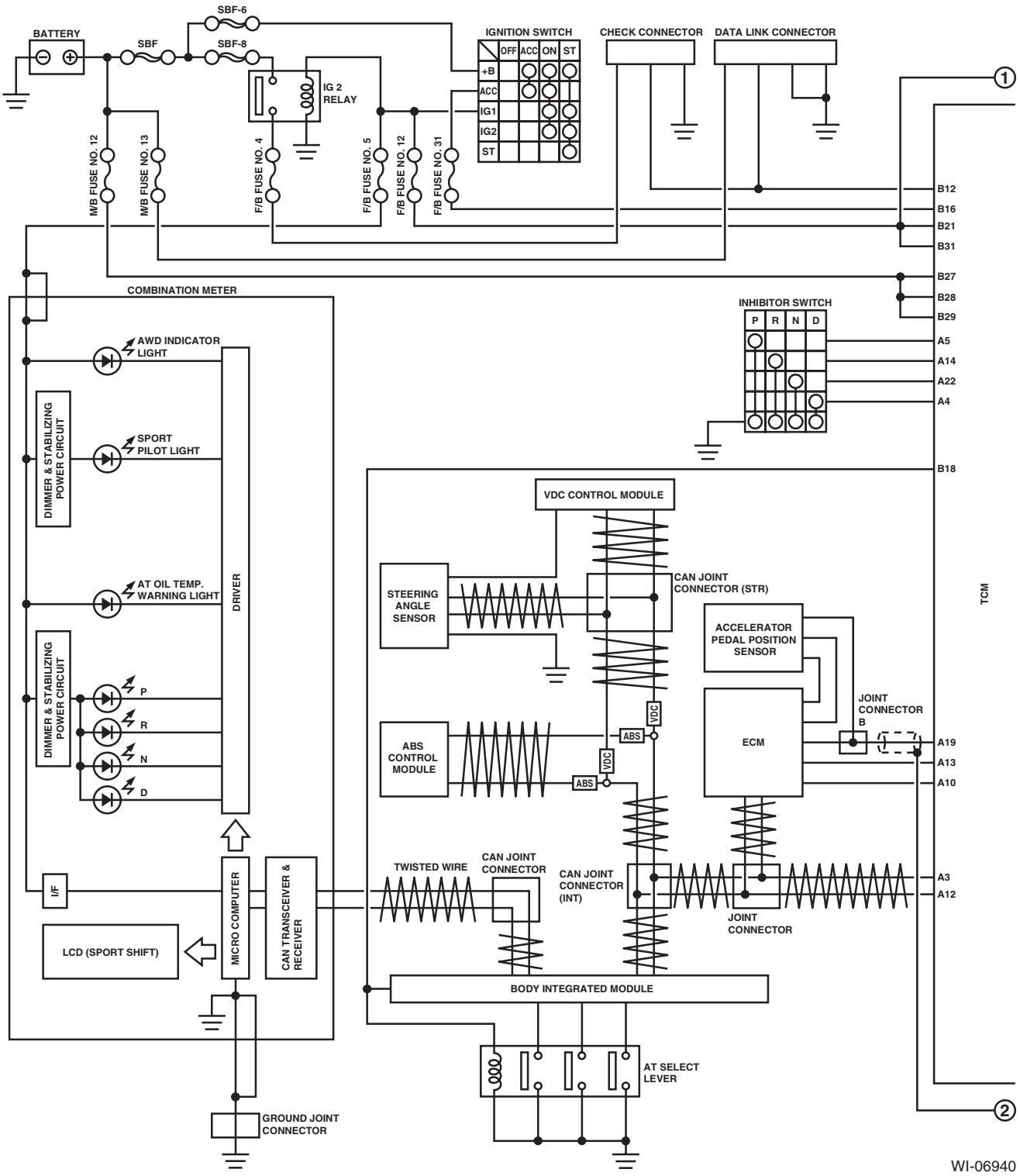

5AT(L)-05
5AT(L)-05
A: B54 B: B55 TCM
B19
B15
A5
A14
A19
B21
B6
B5
GL
R
B
B
BY
BY
W
P
ABS
ABS
ABS : WITHOUT VDC
B: B280
BODY INTEGRATED MODULE
B6
R
C 5AT(L)-06
R
3
SHIFT LOCK SOLENOID
AT SELECT LEVER
B116
4
B
GL
D9
B
B
BY
W
P
LY
B359
3
1
2
D: B137 ECM
E
E
E
REF. TO GROUND CIRCUIT [GND(L)-02]
REF. TO GROUND CIRCUIT [GND(L)-02]
AT G SENSOR
B359 HR
B116 (GRAY)
A: B54 HR
B: B55 HR (GRAY)
B: B280 HR
D: B137 HR

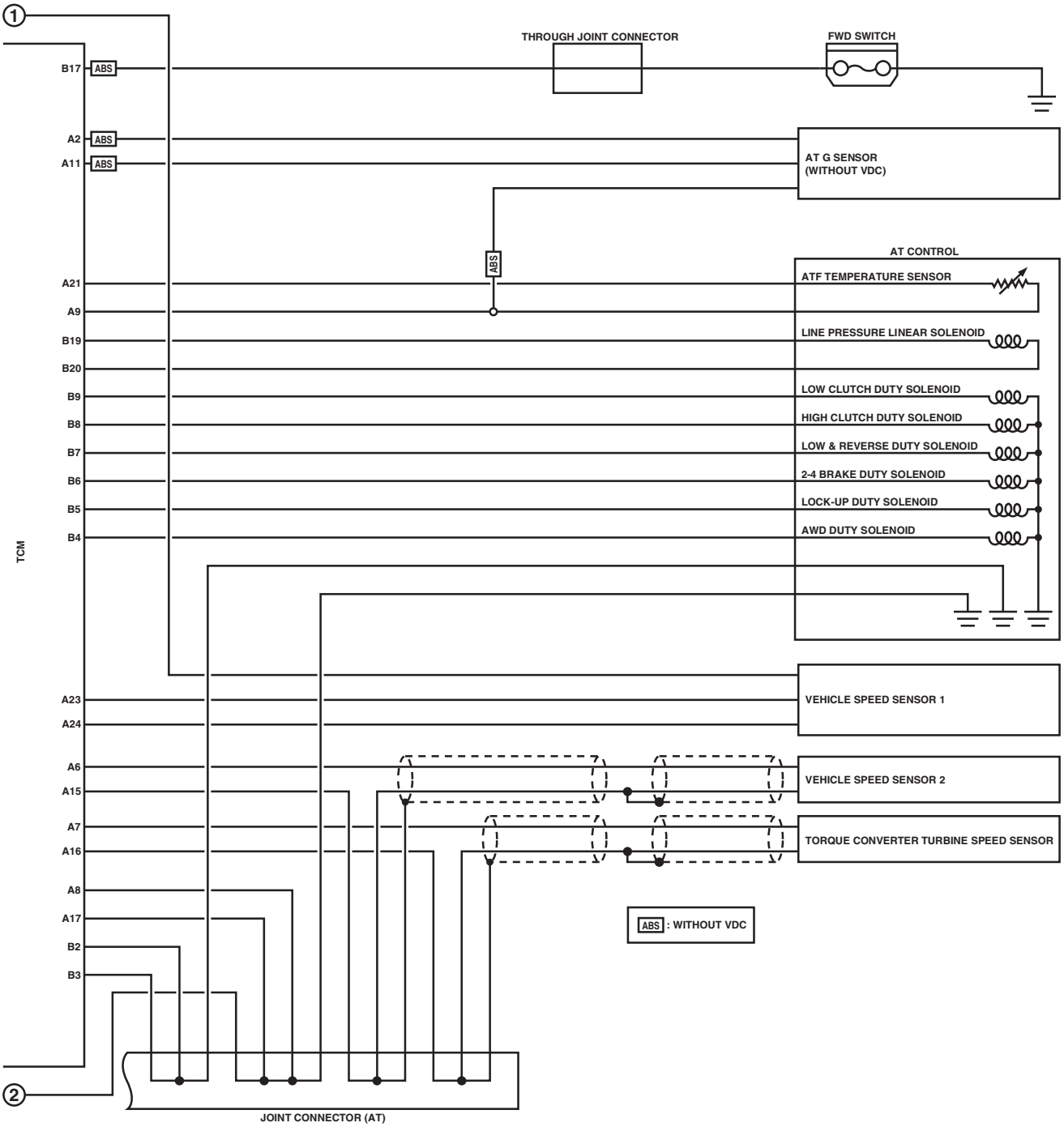
WI-07533


5AT(L)-06
5AT(L)-06
A: B54 B: B55 TCM
5AT(L)-05 C
ABS
B12
T3
B11
T4
T10
T11
TORQUE CONVERTER TURBINE SPEED SENSOR 1
AT1
VEHICLE SPEED SENSOR 1
ABS : WITHOUT VDC
CONTROL VALVE ASSY
AT CONTROL
AT1
B12 (BROWN)
T11 (GREEN)
T10 (GREEN)
B11 HR (GRAY)
A: B54 HR
B: B55 HR (GRAY)

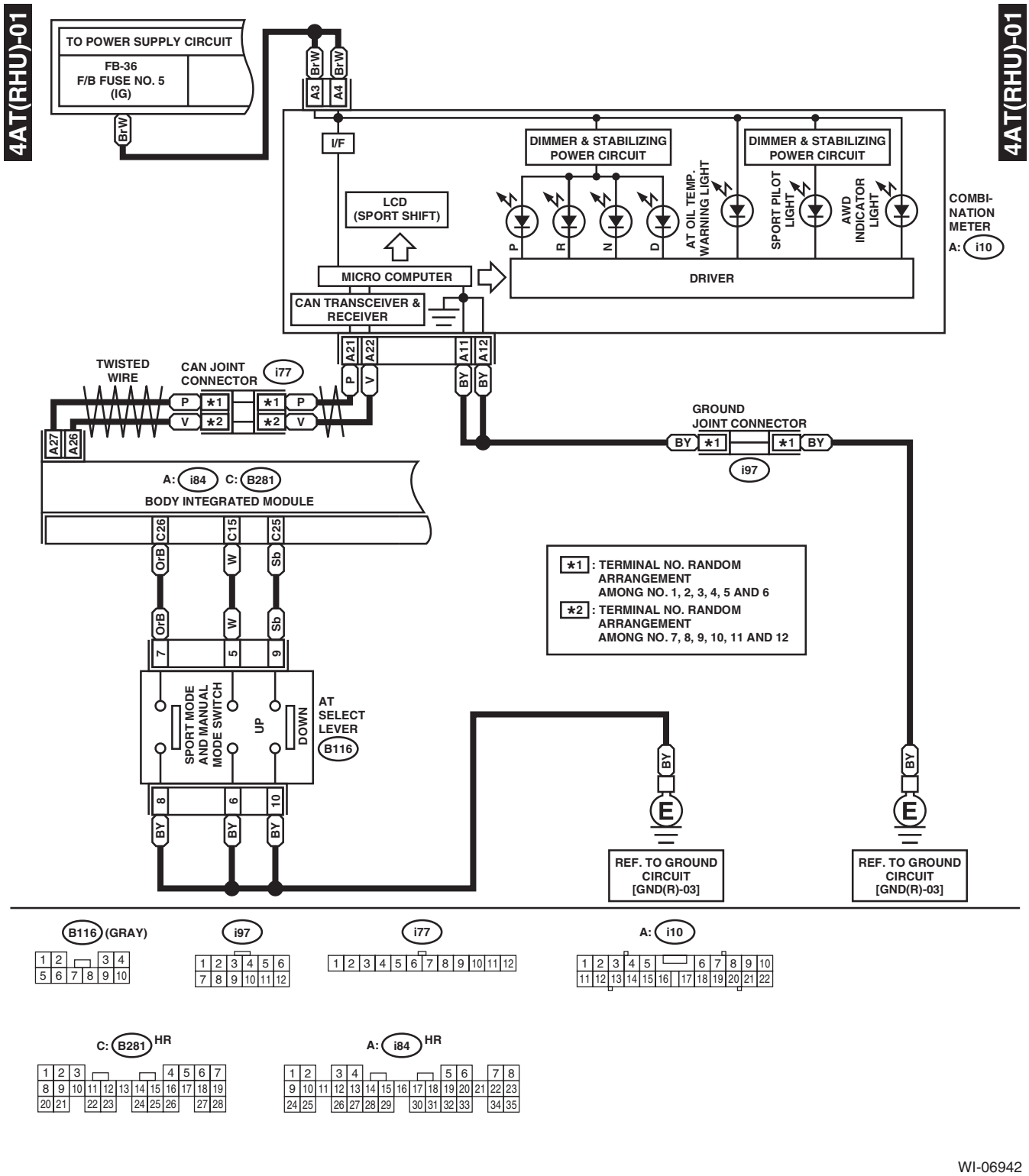
WI-06939

3. RHD 4AT MODEL (2.0 L NON-TURBO MODEL AND 2.5 L KA MODEL)

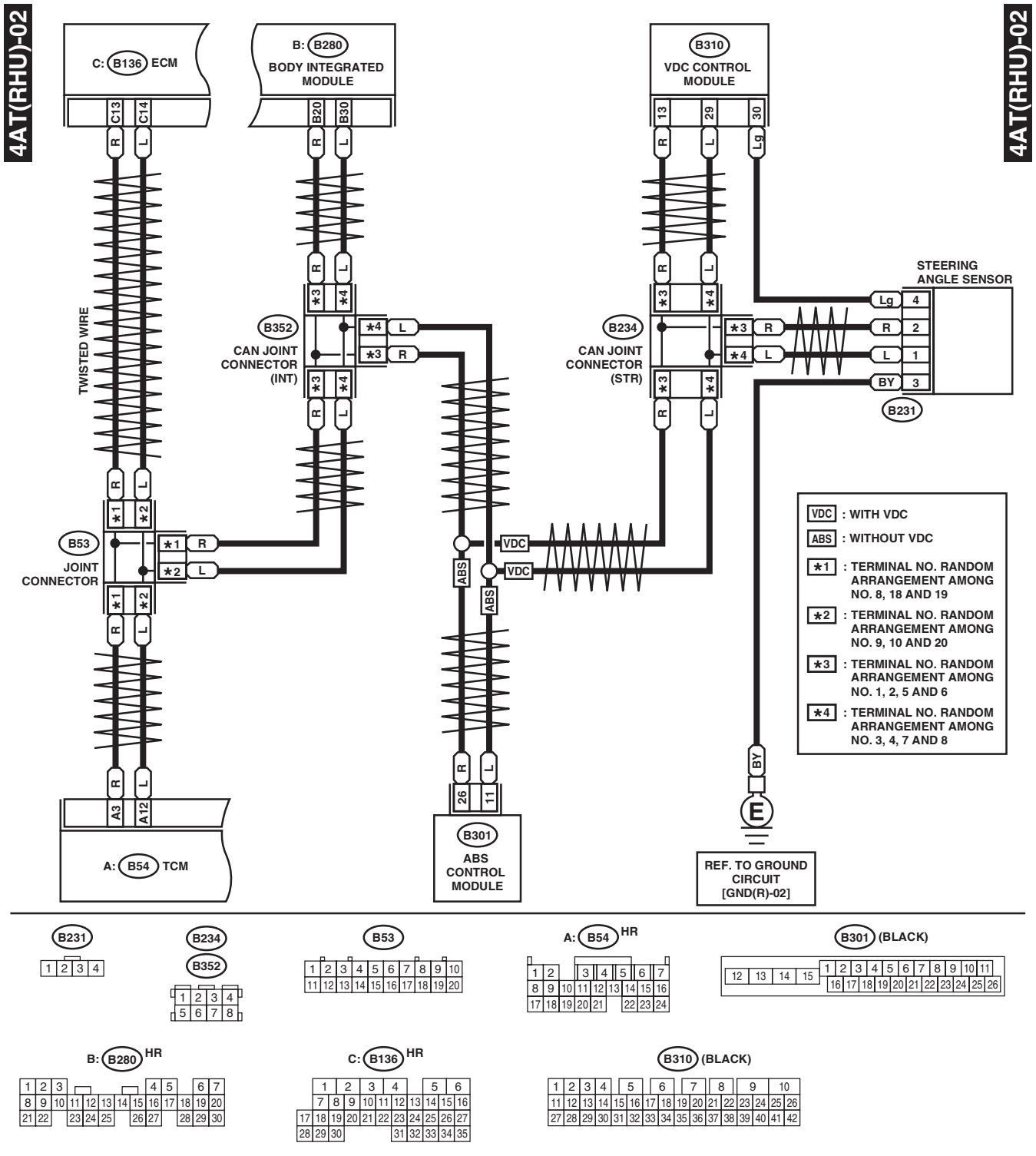



①
②
TCM
B17
ABS
THROUGH JOINT CONNECTOR
FWD SWITCH
A2
A11
AT G SENSOR
(WITHOUT VDC)
AT CONTROL
A21
A9
B19
B20
B9
B8
B7
B6
B5
B4
ATF TEMPERATURE SENSOR
LINE PRESSURE LINEAR SOLENOID
LOW CLUTCH DUTY SOLENOID
HIGH CLUTCH DUTY SOLENOID
LOW & REVERSE DUTY SOLENOID
2-4 BRAKE DUTY SOLENOID
LOCK-UP DUTY SOLENOID
AWD DUTY SOLENOID
A23
A24
VEHICLE SPEED SENSOR 1
A6
A15
VEHICLE SPEED SENSOR 2
A7
A16
TORQUE CONVERTER TURBINE SPEED SENSOR
A8
A17
B2
B3
ABS : WITHOUT VDC
JOINT CONNECTOR (AT)

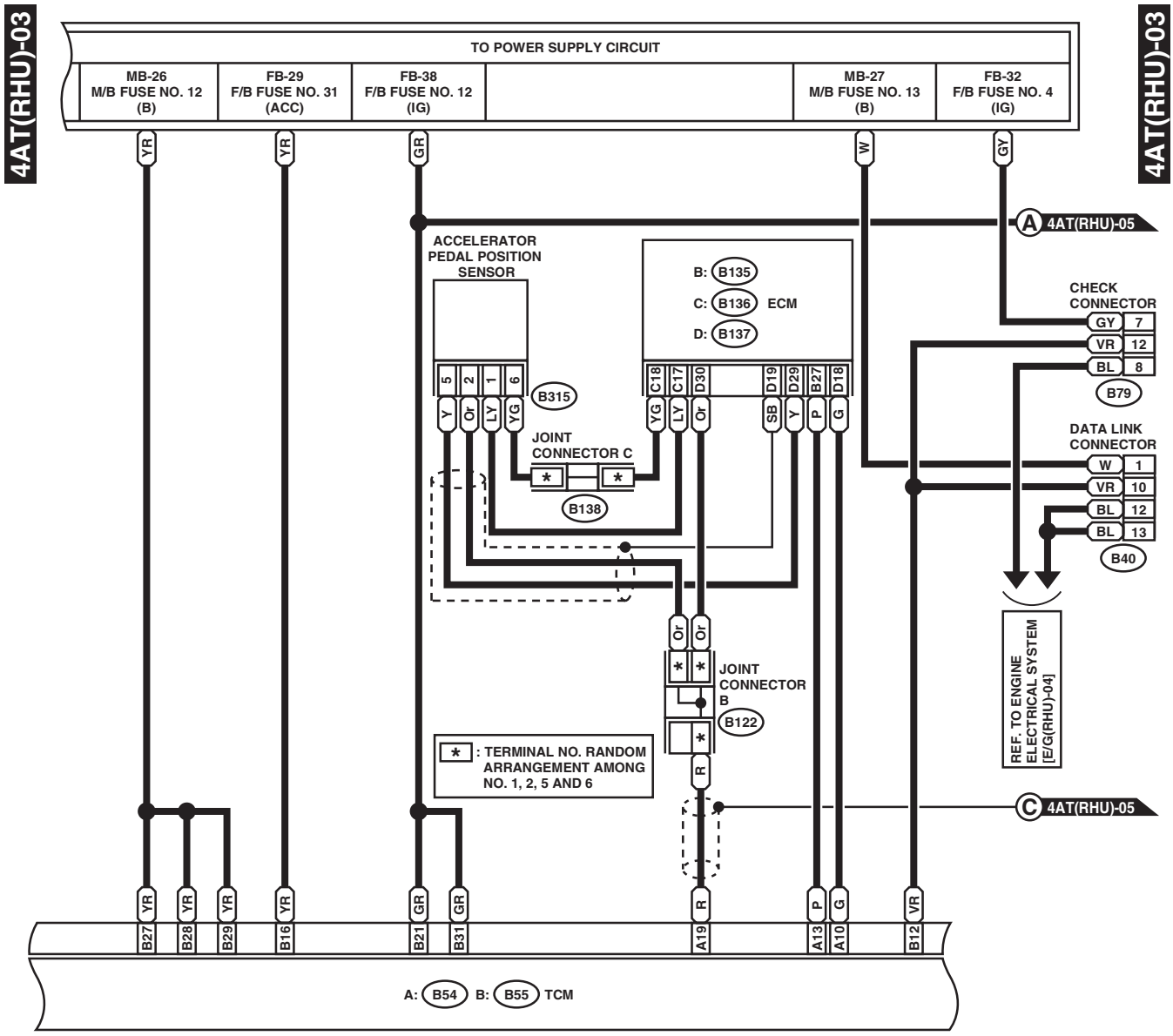
WI-06941

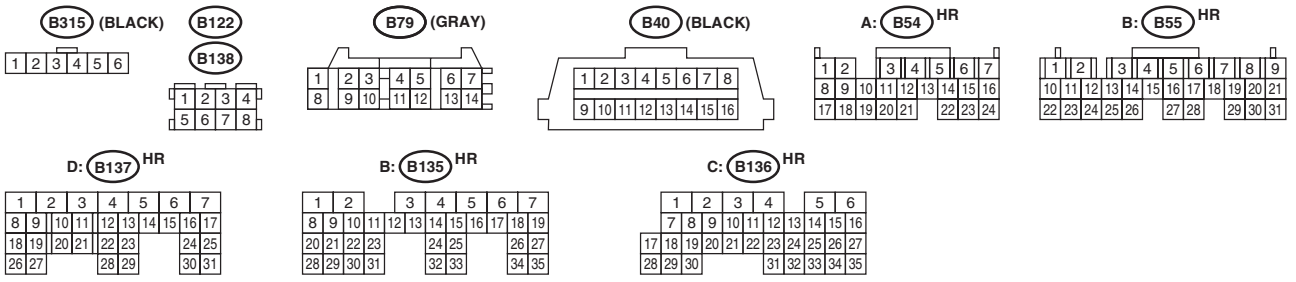

4AT(RHU)-01
4AT(RHU)-01
TO POWER SUPPLY CIRCUIT
FB-36
F/B FUSE NO. 5
(IG)
BrW
A3
A4
I/F
DIMMER & STABILIZING POWER CIRCUIT
DIMMER & STABILIZING POWER CIRCUIT
LCD (SPORT SHIFT)
MICRO COMPUTER
CAN TRANSCEIVER & RECEIVER
DRIVER
P
R
N
D
AT OIL TEMP. WARNING LIGHT
SPORT PILOT LIGHT
AWD INDICATOR LIGHT
COMBI-NATION METER
A: i10
A21
A22
A11
A12
TWISTED WIRE
CAN JOINT CONNECTOR
i77
GROUND JOINT CONNECTOR
i97
A27
A26
A: i84
C: B281
BODY INTEGRATED MODULE
C26
C15
C25
OrB
W
Sb
7
5
9
SPORT MODE AND MANUAL MODE SWITCH
UP
DOWN
AT SELECT LEVER
B116
8
6
10
BY
E
REF. TO GROUND CIRCUIT [GND(R)-03]
REF. TO GROUND CIRCUIT [GND(R)-03]
*1 : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 1, 2, 3, 4, 5 AND 6
*2 : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 7, 8, 9, 10, 11 AND 12
B116 (GRAY)
i97
i77
A: i10
C: B281 HR
A: i84 HR

WI-06942

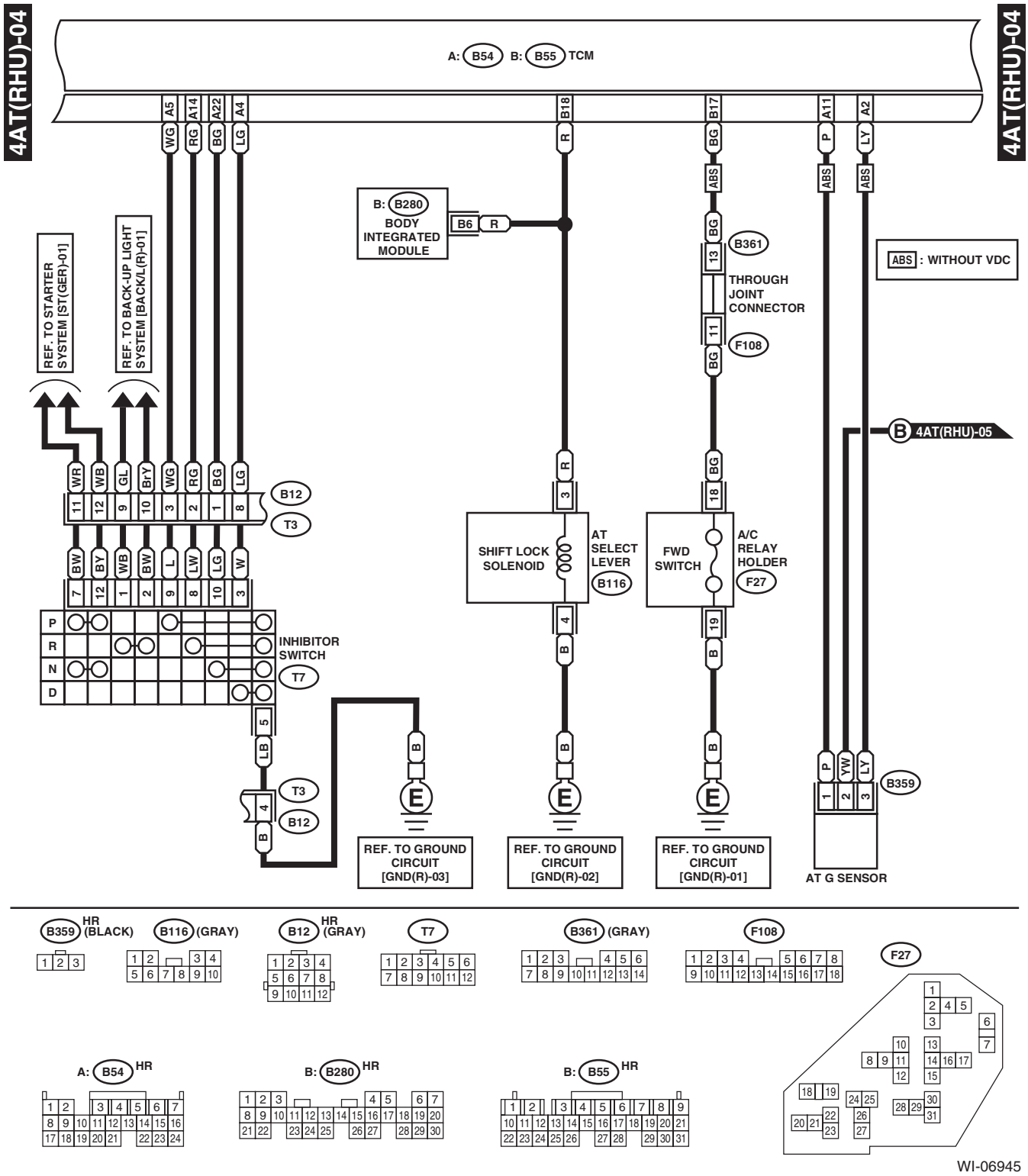

4AT(RHU)-02
4AT(RHU)-02
C: B136 ECM
B: B280 BODY INTEGRATED MODULE
B310 VDC CONTROL MODULE
C13
C14
B20
B30
13
29
30
Lg
TWISTED WIRE
B352 CAN JOINT CONNECTOR (INT)
B234 CAN JOINT CONNECTOR (STR)
STEERING ANGLE SENSOR
B231
B53 JOINT CONNECTOR
A: B54 TCM
B301 ABS CONTROL MODULE
REF. TO GROUND CIRCUIT [GND(R)-02]
VDC : WITH VDC
ABS : WITHOUT VDC
*1 : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 8, 18 AND 19
*2 : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 9, 10 AND 20
*3 : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 1, 2, 5 AND 6
*4 : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 3, 4, 7 AND 8
B231
B234
B352
B53
A: B54 HR
B301 (BLACK)
B: B280 HR
C: B136 HR
B310 (BLACK)

WI-06943

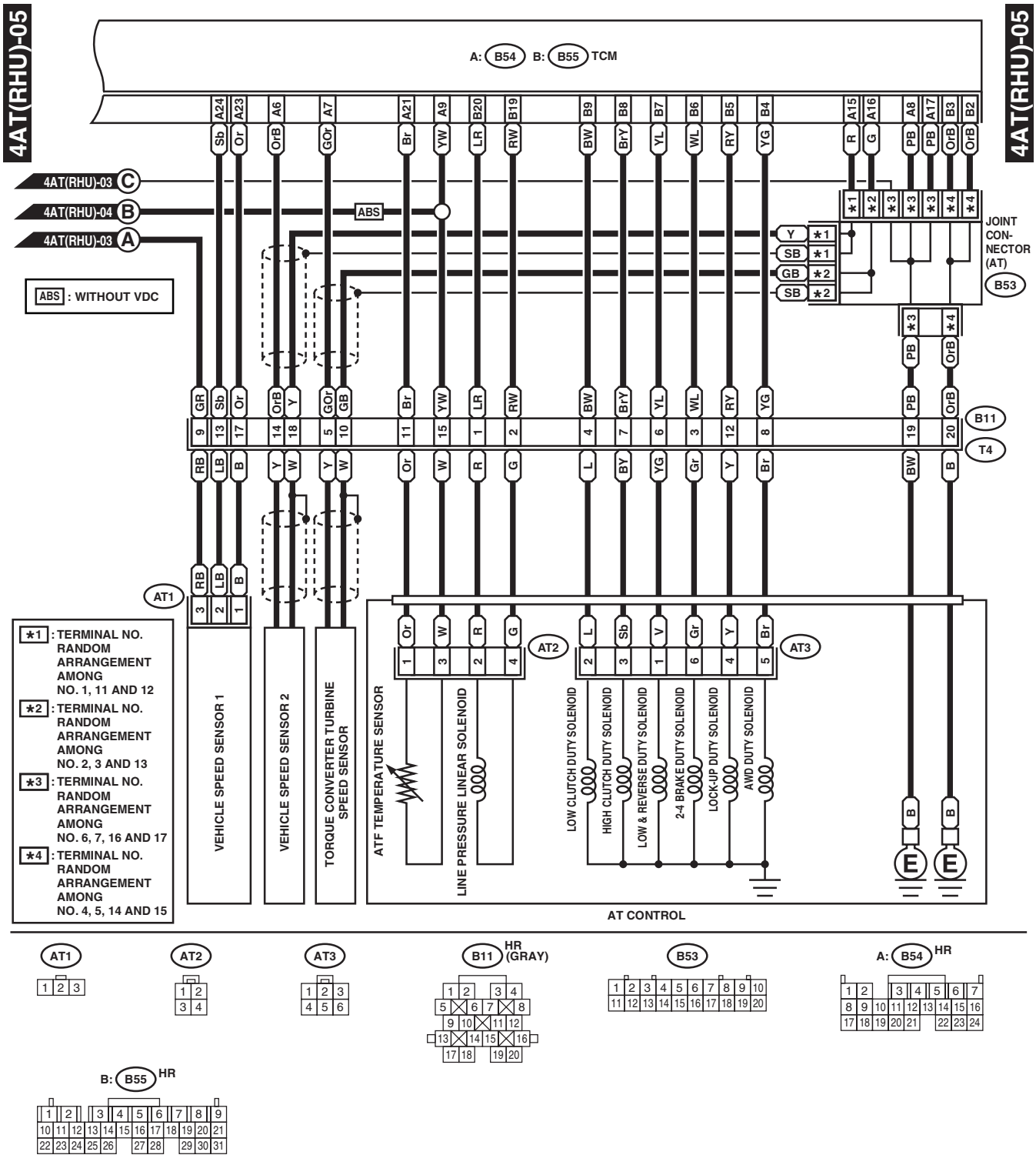

4AT(RHU)-03
4AT(RHU)-03
TO POWER SUPPLY CIRCUIT
MB-26 M/B FUSE NO. 12 (B)
FB-29 F/B FUSE NO. 31 (ACC)
FB-38 F/B FUSE NO. 12 (IG)
MB-27 M/B FUSE NO. 13 (B)
FB-32 F/B FUSE NO. 4 (IG)
YR
YR
GR
W
GY
A 4AT(RHU)-05
ACCELERATOR PEDAL POSITION SENSOR
B: B135
C: B136 ECM
D: B137
CHECK CONNECTOR
GY 7
VR 12
BL 8
B79
DATA LINK CONNECTOR
W 1
VR 10
BL 12
BL 13
B40
5 2 1 6
B315
Y Or LY YG
C18 C17 D30 D19 D29 B27 D18
YG LY Or SB Y P G
JOINT CONNECTOR C
B138
Or Or
JOINT CONNECTOR B
B122
R
* : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 1, 2, 5 AND 6
REF. TO ENGINE ELECTRICAL SYSTEM [E/G(RHU)-04]
C 4AT(RHU)-05
YR YR YR YR GR GR R P G VR
B27 B28 B29 B16 B21 B31 A19 A13 A10 B12
A: B54 B: B55 TCM


B315 (BLACK)
B122
B138
B79 (GRAY)
B40 (BLACK)
A: B54 HR
B: B55 HR
D: B137 HR
B: B135 HR
C: B136 HR

WI-06944

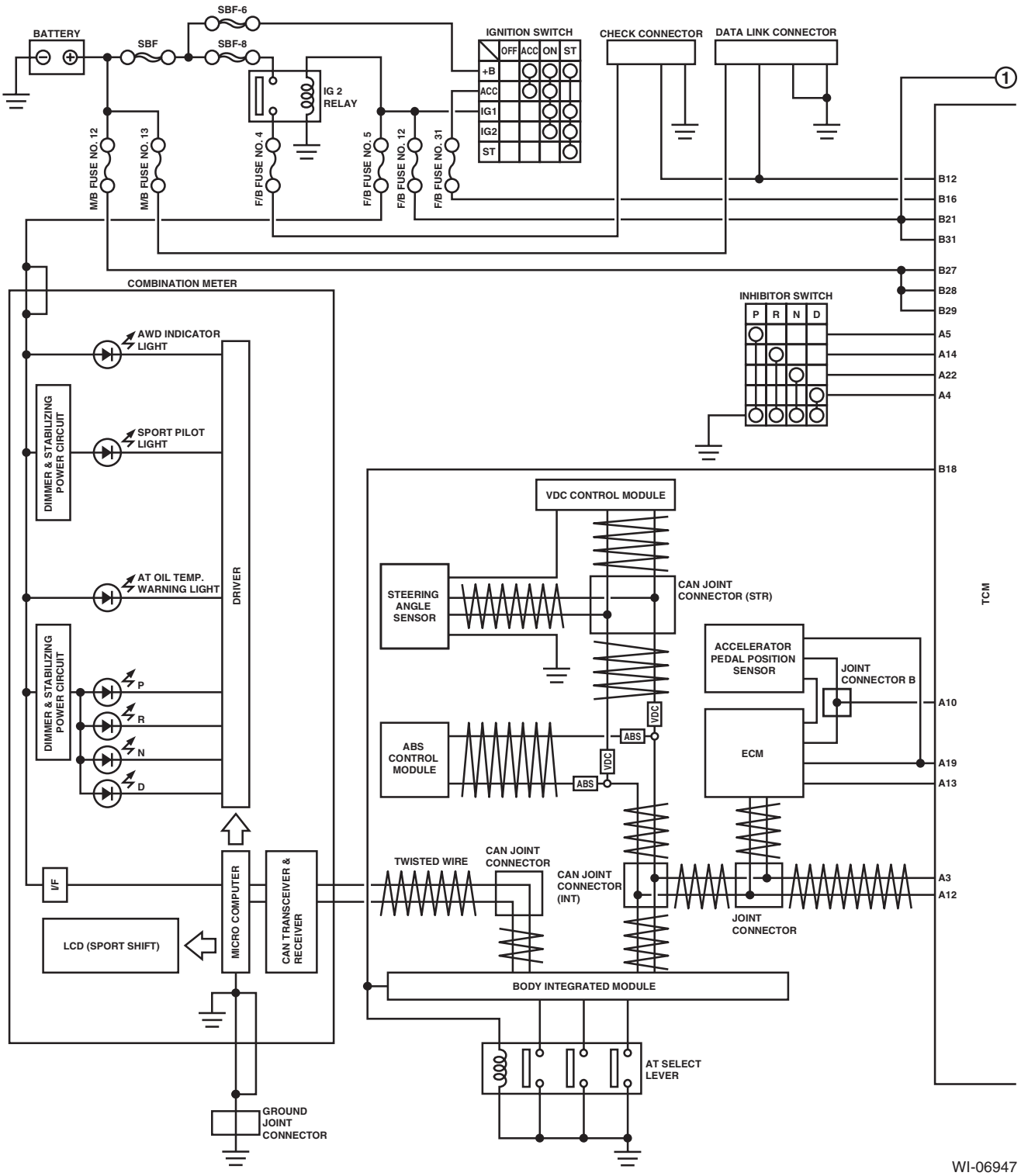

4AT(RHU)-04
4AT(RHU)-04
A: B54 B: B55 TCM
A5 A14 A22 A4 B18 B17 A11 A2
WG RG BG LG R BG P LY
ABS ABS ABS
B: B280 BODY INTEGRATED MODULE
B6 R
B361
13
THROUGH JOINT CONNECTOR
11
F108
ABS : WITHOUT VDC
REF. TO STARTER SYSTEM [ST(GER)-01]
REF. TO BACK-UP LIGHT SYSTEM [BACK/L(R)-01]
B 4AT(RHU)-05
WR WB GL Br·Y WG RG BG LG
11 12 9 10 3 2 1 8
B12
T3
BW BY WB BW L LW LG W
7 12 1 2 9 8 10 3
P
R
N
D
INHIBITOR SWITCH
T7
5
LB
T3
4
B12
B
3
R
SHIFT LOCK SOLENOID
AT SELECT LEVER
B116
4
B
18
BG
FWD SWITCH
A/C RELAY HOLDER
F27
19
B
P YW LY
1 2 3
B359
AT G SENSOR
E
REF. TO GROUND CIRCUIT [GND(R)-03]
REF. TO GROUND CIRCUIT [GND(R)-02]
REF. TO GROUND CIRCUIT [GND(R)-01]
B359 HR (BLACK)
B116 (GRAY)
B12 HR (GRAY)
T7
B361 (GRAY)
F108
F27
A: B54 HR
B: B280 HR
B: B55 HR

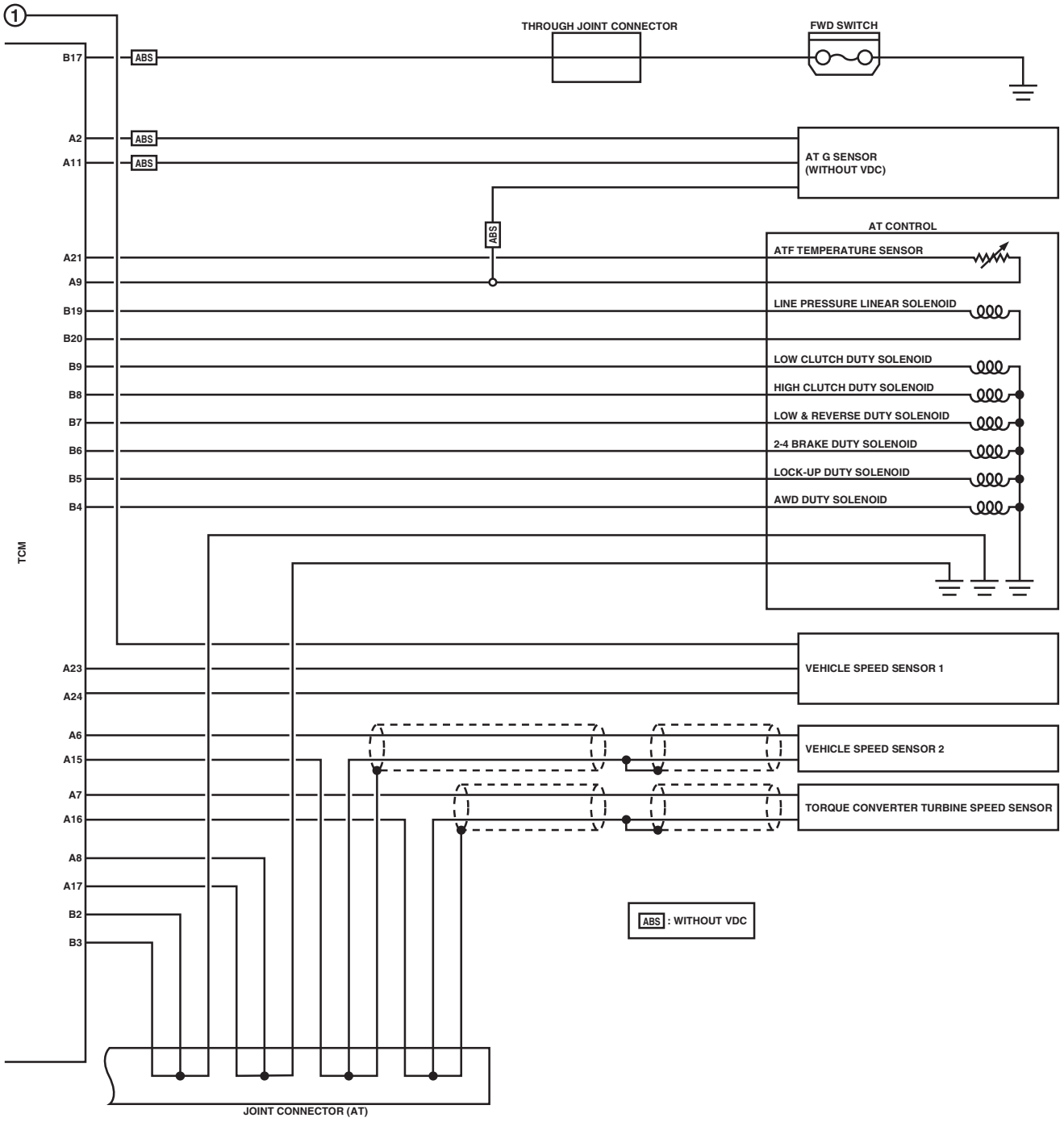
WI-06945


4AT(RHU)-05
4AT(RHU)-05
A: B54 B: B55 TCM
4AT(RHU)-03 C
4AT(RHU)-04 B
4AT(RHU)-03 A
ABS
ABS : WITHOUT VDC
JOINT CONNECTOR (AT) B53
B11
T4
AT1
AT2
AT3
VEHICLE SPEED SENSOR 1
VEHICLE SPEED SENSOR 2
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
AWD DUTY SOLENOID
AT CONTROL
*1 : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 1, 11 AND 12
*2 : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 2, 3 AND 13
*3 : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 6, 7, 16 AND 17
*4 : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 4, 5, 14 AND 15
AT1
AT2
AT3
B11 HR (GRAY)
B53
A: B54 HR
B: B55 HR

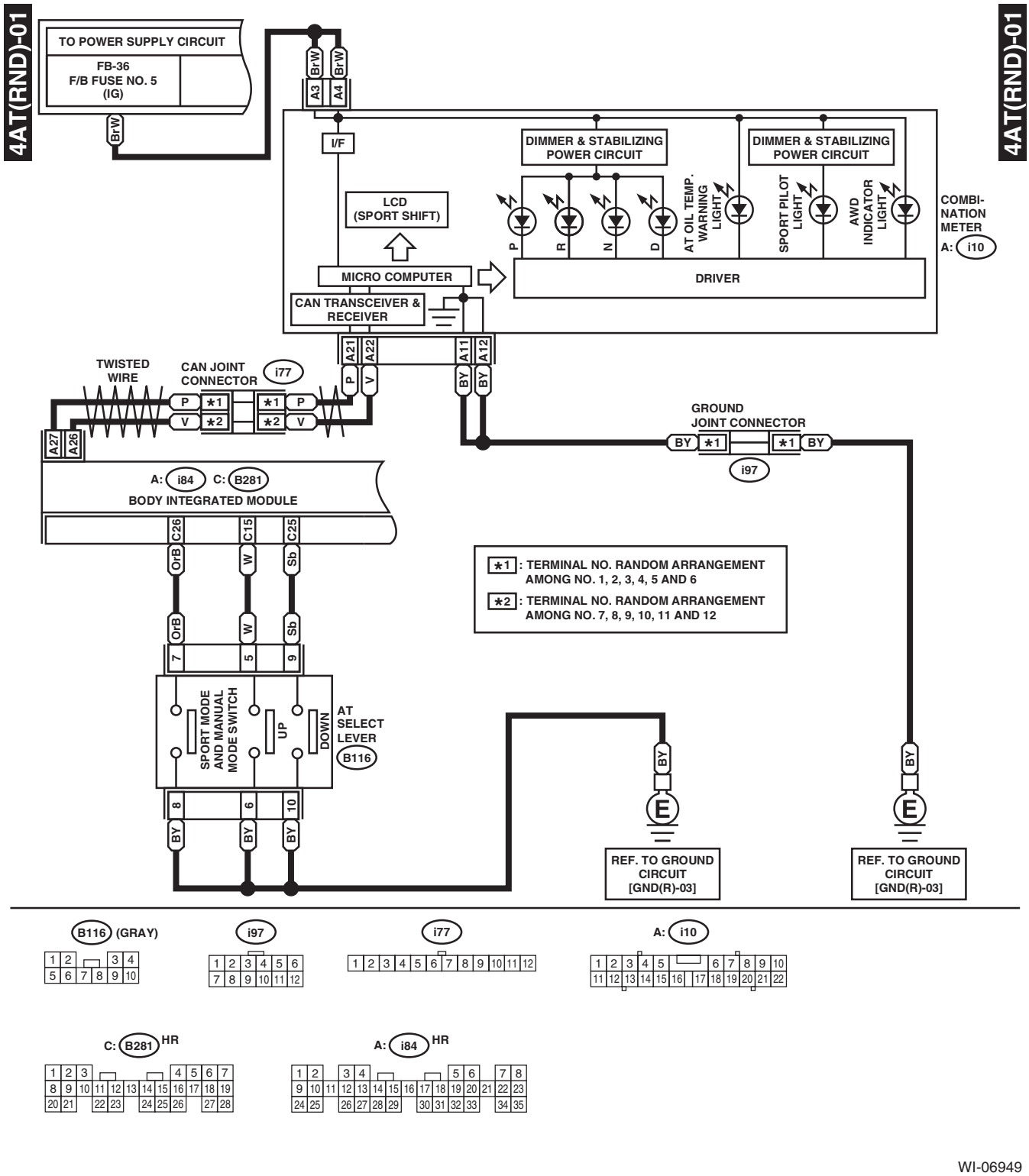
WI-06946

4. RHD 4AT MODEL (2.5 L EK MODEL)

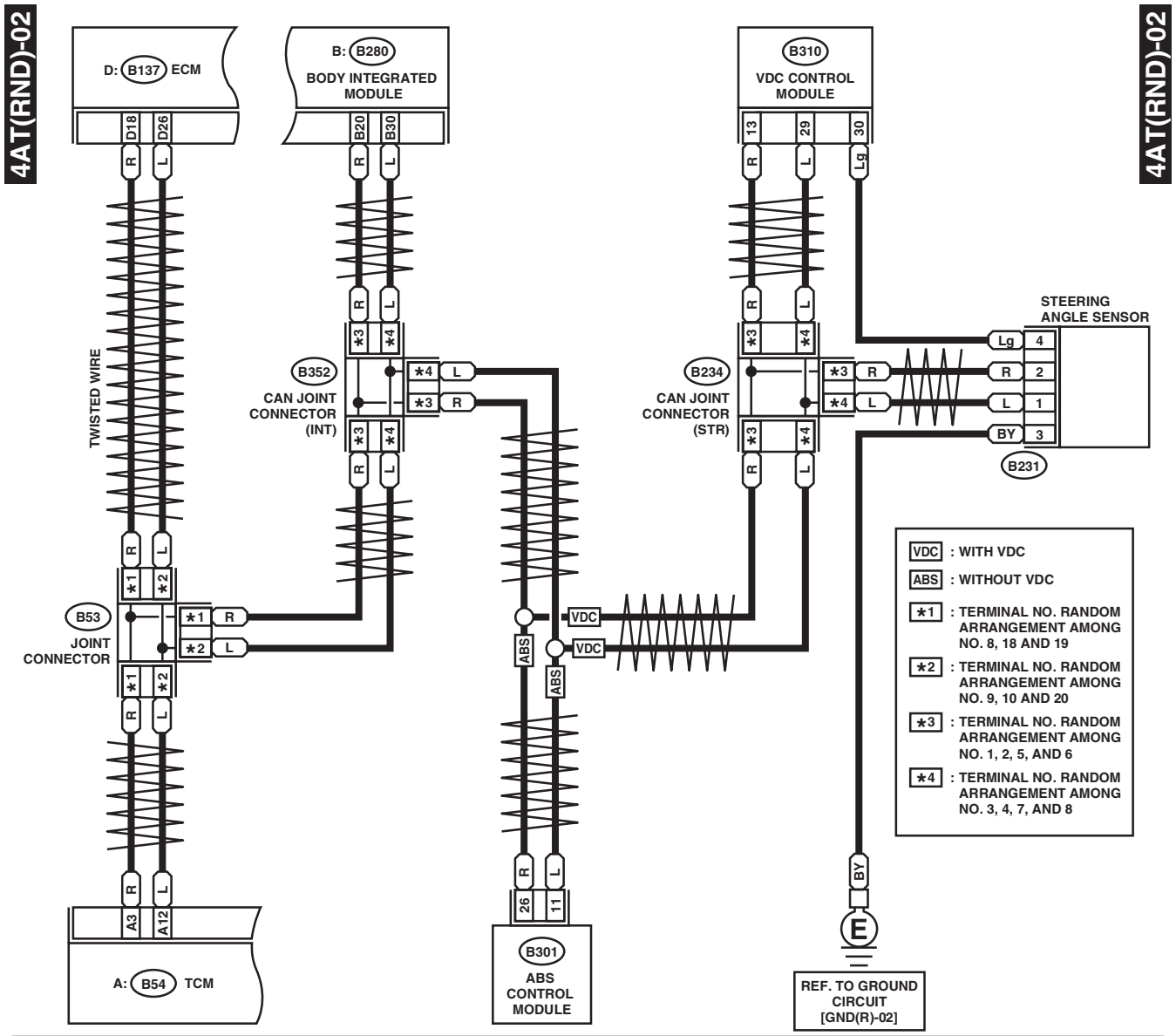


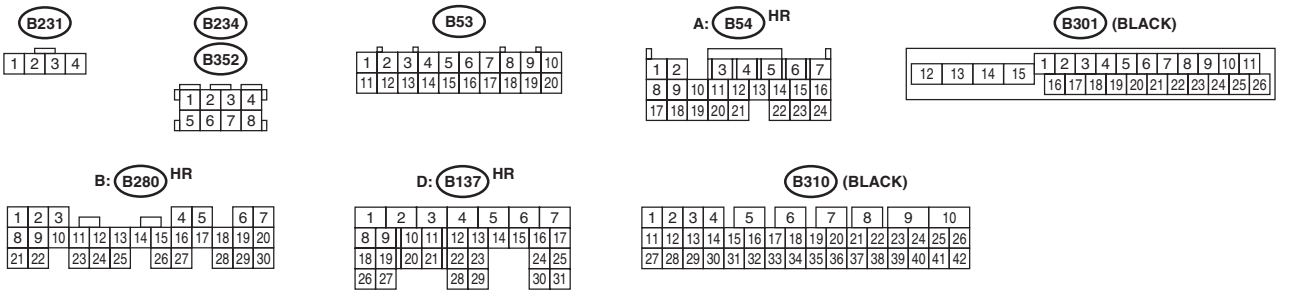

①
THROUGH JOINT CONNECTOR
FWD SWITCH
B17
ABS
A2
ABS
A11
ABS
AT G SENSOR
(WITHOUT VDC)
ABS
AT CONTROL
A21
ATF TEMPERATURE SENSOR
A9
B19
LINE PRESSURE LINEAR SOLENOID
B20
B9
LOW CLUTCH DUTY SOLENOID
B8
HIGH CLUTCH DUTY SOLENOID
B7
LOW & REVERSE DUTY SOLENOID
B6
2-4 BRAKE DUTY SOLENOID
B5
LOCK-UP DUTY SOLENOID
B4
AWD DUTY SOLENOID
TCM
A23
VEHICLE SPEED SENSOR 1
A24
A6
VEHICLE SPEED SENSOR 2
A15
A7
TORQUE CONVERTER TURBINE SPEED SENSOR
A16
A8
A17
B2
B3
ABS : WITHOUT VDC
JOINT CONNECTOR (AT)

WI-06948

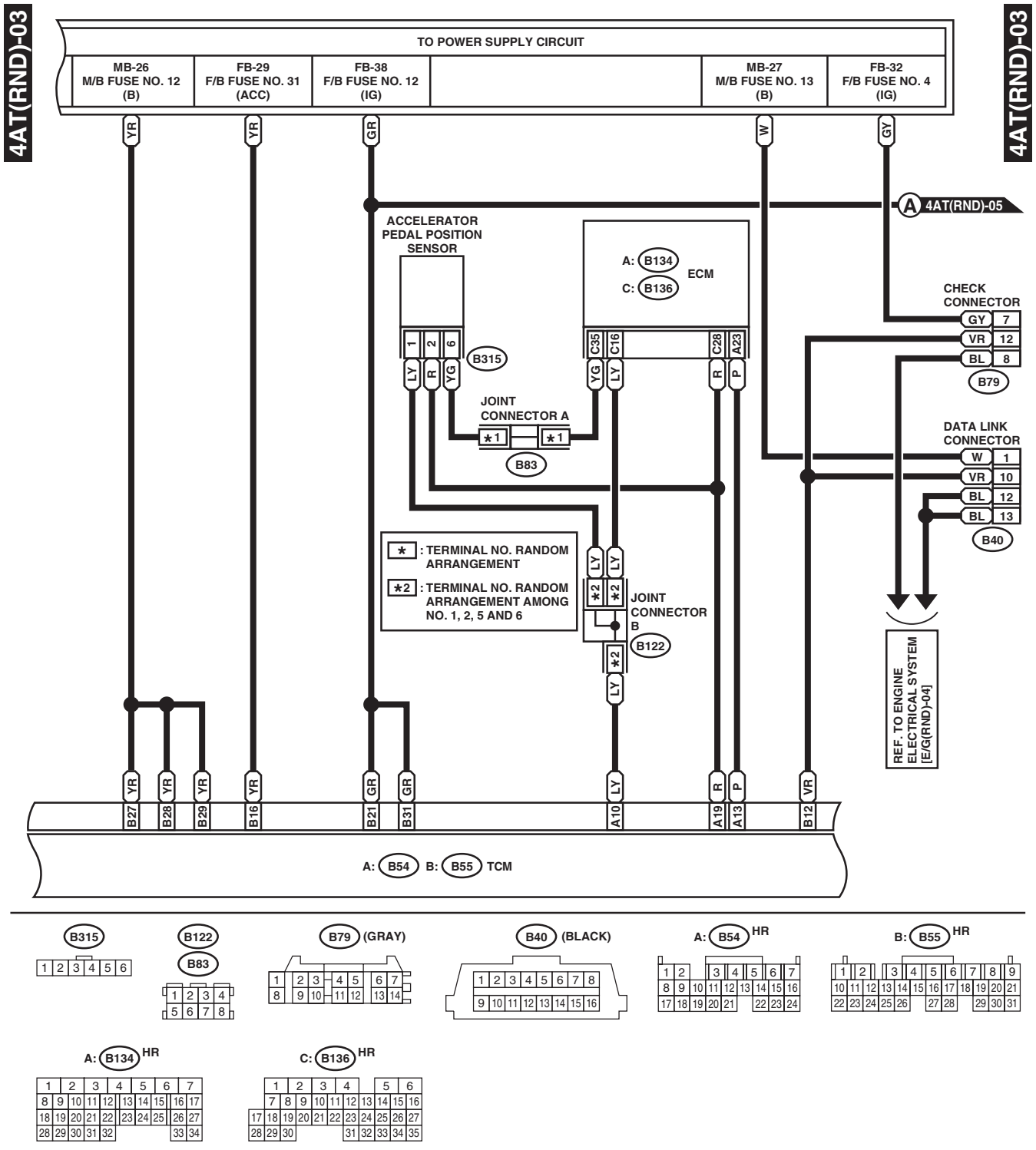

4AT(RND)-01
TO POWER SUPPLY CIRCUIT
FB-36
F/B FUSE NO. 5
(IG)
BrW
A3
A4
I/F
DIMMER & STABILIZING POWER CIRCUIT
DIMMER & STABILIZING POWER CIRCUIT
LCD (SPORT SHIFT)
MICRO COMPUTER
CAN TRANSCEIVER & RECEIVER
P
R
N
D
AT OIL TEMP. WARNING LIGHT
SPORT PILOT LIGHT
AWD INDICATOR LIGHT
DRIVER
COMBI-NATION METER
A: i10
A21
A22
A11
A12
BY
TWISTED WIRE
CAN JOINT CONNECTOR
i77
*1
*2
V
A27
A26
GROUND JOINT CONNECTOR
i97
A: i84
C: B281
BODY INTEGRATED MODULE
C26
C15
C25
OrB
W
Sb
7
5
9
*1 : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 1, 2, 3, 4, 5 AND 6
*2 : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 7, 8, 9, 10, 11 AND 12
SPORT MODE AND MANUAL MODE SWITCH
UP
DOWN
AT SELECT LEVER
B116
8
6
10
REF. TO GROUND CIRCUIT [GND(R)-03]
REF. TO GROUND CIRCUIT [GND(R)-03]
B116 (GRAY)
i97
i77
A: i10
C: B281 HR
A: i84 HR

WI-06949

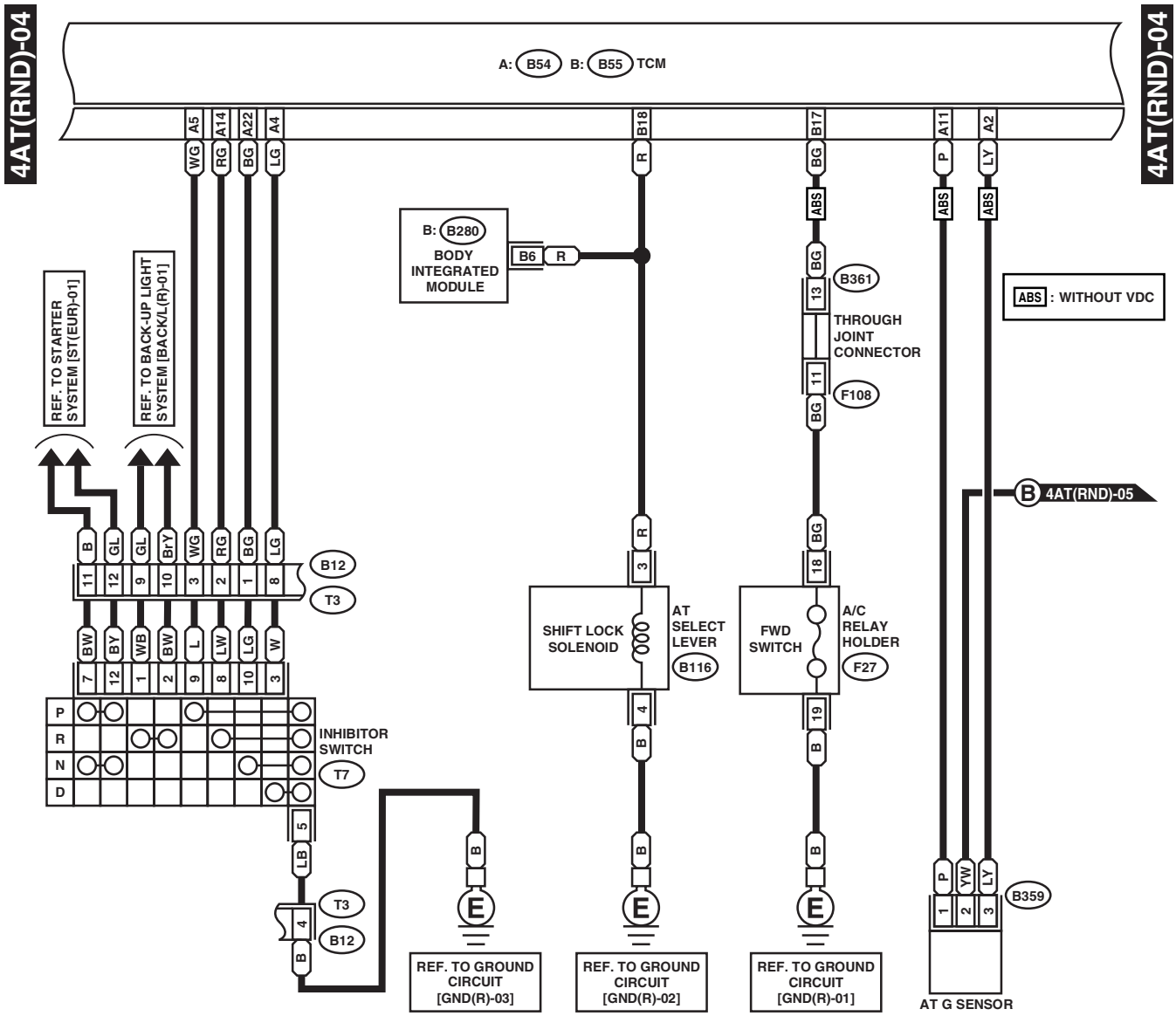

4AT(RND)-02
4AT(RND)-02
D: B137 ECM
B: B280 BODY INTEGRATED MODULE
B310 VDC CONTROL MODULE
TWISTED WIRE
B352 CAN JOINT CONNECTOR (INT)
B234 CAN JOINT CONNECTOR (STR)
STEERING ANGLE SENSOR
B231
B53 JOINT CONNECTOR
A: B54 TCM
B301 ABS CONTROL MODULE
REF. TO GROUND CIRCUIT [GND(R)-02]
VDC : WITH VDC
ABS : WITHOUT VDC
*1 : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 8, 18 AND 19
*2 : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 9, 10 AND 20
*3 : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 1, 2, 5, AND 6
*4 : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 3, 4, 7, AND 8


B231
B234
B352
B53
A: B54 HR
B301 (BLACK)
B: B280 HR
D: B137 HR
B310 (BLACK)

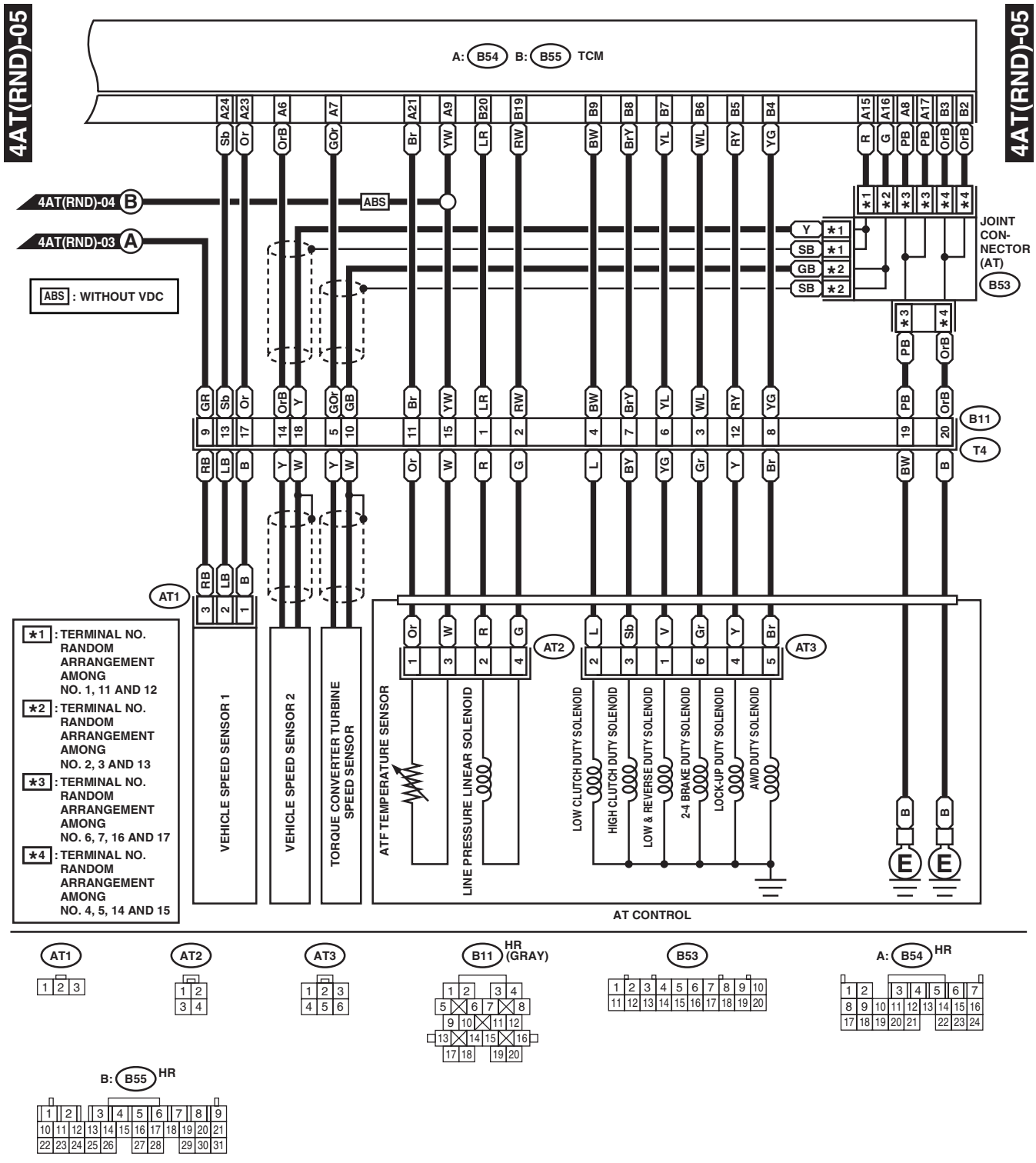
WI-06950


4AT(RND)-03
4AT(RND)-03
TO POWER SUPPLY CIRCUIT
MB-26 M/B FUSE NO. 12 (B)
FB-29 F/B FUSE NO. 31 (ACC)
FB-38 F/B FUSE NO. 12 (IG)
MB-27 M/B FUSE NO. 13 (B)
FB-32 F/B FUSE NO. 4 (IG)
YR
YR
GR
W
GY
A 4AT(RND)-05
ACCELERATOR PEDAL POSITION SENSOR
B315
A: B134
C: B136
ECM
CHECK CONNECTOR
GY 7
VR 12
BL 8
B79
JOINT CONNECTOR A
B83
DATA LINK CONNECTOR
W 1
VR 10
BL 12
BL 13
B40
* : TERMINAL NO. RANDOM ARRANGEMENT
*2 : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 1, 2, 5 AND 6
JOINT CONNECTOR B
B122
REF. TO ENGINE ELECTRICAL SYSTEM [E/G(RND)-04]
B27
B28
B29
B16
B21
B31
A10
A19
A13
B12
A: B54 B: B55 TCM
B315
B122
B83
B79 (GRAY)
B40 (BLACK)
A: B54 HR
B: B55 HR
A: B134 HR
C: B136 HR

WI-06951

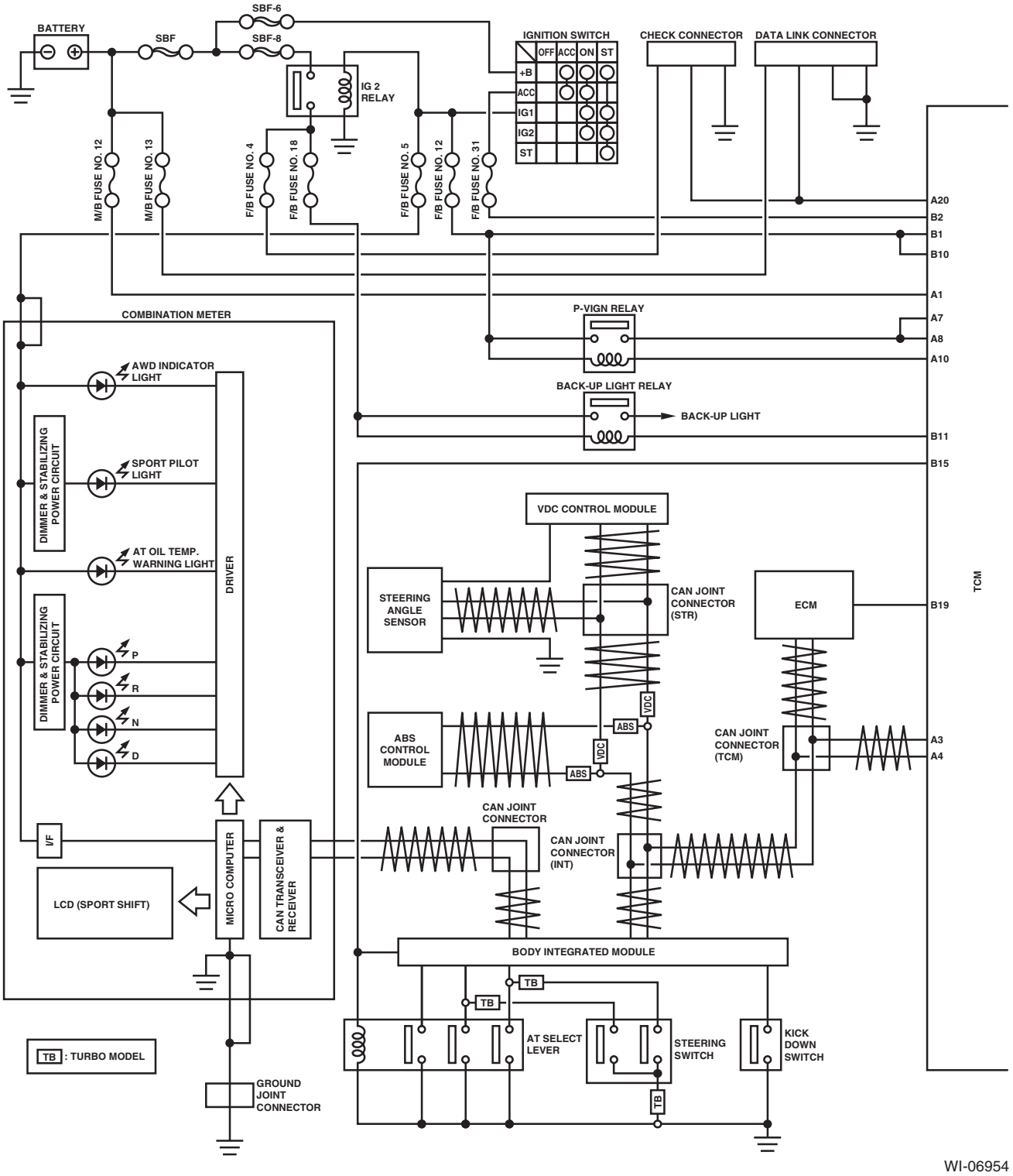

4AT(RND)-04
4AT(RND)-04
A: B54 B: B55 TCM
A5 A14 A22 A4
WG RG BG LG
B18 B17 A11 A2
R BG P LY
ABS ABS ABS
B: B280
BODY INTEGRATED MODULE
B6 R
B361
13
THROUGH JOINT CONNECTOR
11
F108
BG
ABS : WITHOUT VDC
REF. TO STARTER SYSTEM [ST(EUR)-01]
REF. TO BACK-UP LIGHT SYSTEM [BACK/L(R)-01]
B 4AT(RND)-05
B GL GL BrY WG RG BG LG
11 12 9 10 3 2 1 8
B12
T3
BW BY WB BW L LW LG W
7 12 1 2 9 8 10 3
P
R
N
D
INHIBITOR SWITCH
T7
5
LB
T3
4
B12
B
R
3
SHIFT LOCK SOLENOID
AT SELECT LEVER
B116
4
B
BG
18
FWD SWITCH
A/C RELAY HOLDER
F27
19
B
P YW LY
1 2 3
B359
AT G SENSOR
E
REF. TO GROUND CIRCUIT [GND(R)-03]
REF. TO GROUND CIRCUIT [GND(R)-02]
REF. TO GROUND CIRCUIT [GND(R)-01]
B359 HR (BLACK)
B116 (GRAY)
B12 HR (GRAY)
T7
B361 (GRAY)
F108
F27
A: B54 HR
B: B280 HR
B: B55 HR

WI-06952

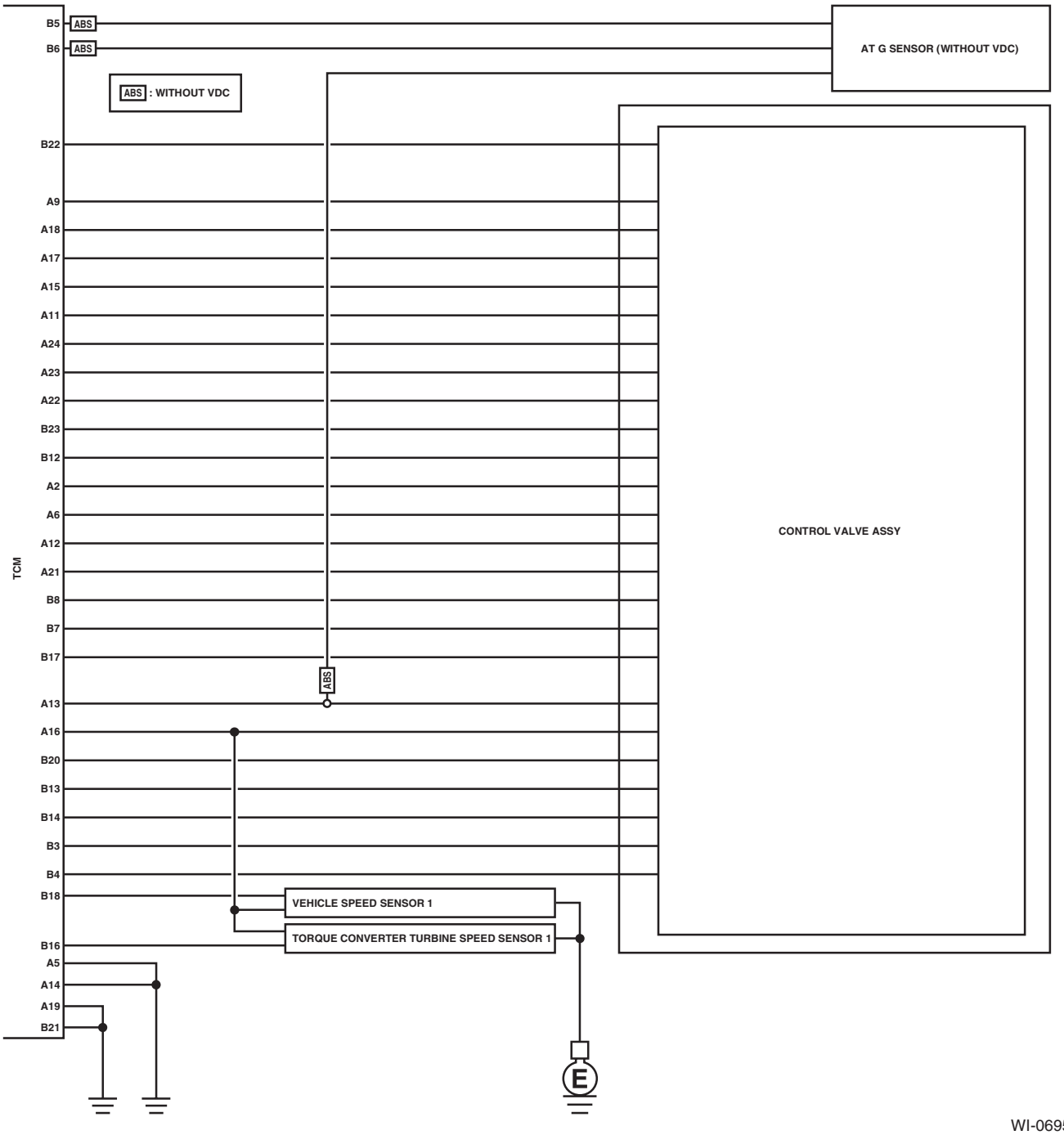

4AT(RND)-05
4AT(RND)-05
A: B54 B: B55 TCM
4AT(RND)-04 B
4AT(RND)-03 A
ABS
ABS : WITHOUT VDC
JOINT CON-NECTOR (AT)
B53
B11
T4
AT1
AT2
AT3
VEHICLE SPEED SENSOR 1
VEHICLE SPEED SENSOR 2
TORQUE CONVERTER TURBINE SPEED SENSOR
ATF TEMPERATURE SENSOR
LINE PRESSURE LINEAR SOLENOID
LOW CLUTCH DUTY SOLENOID
HIGH CLUTCH DUTY SOLENOID
LOW & REVERSE DUTY SOLENOID
2-4 BRAKE DUTY SOLENOID
LOCK-UP DUTY SOLENOID
AWD DUTY SOLENOID
AT CONTROL
∗1 : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 1, 11 AND 12
∗2 : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 2, 3 AND 13
∗3 : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 6, 7, 16 AND 17
∗4 : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 4, 5, 14 AND 15
AT1
AT2
AT3
B11 HR (GRAY)
B53
A: B54 HR
B: B55 HR

WI-06953

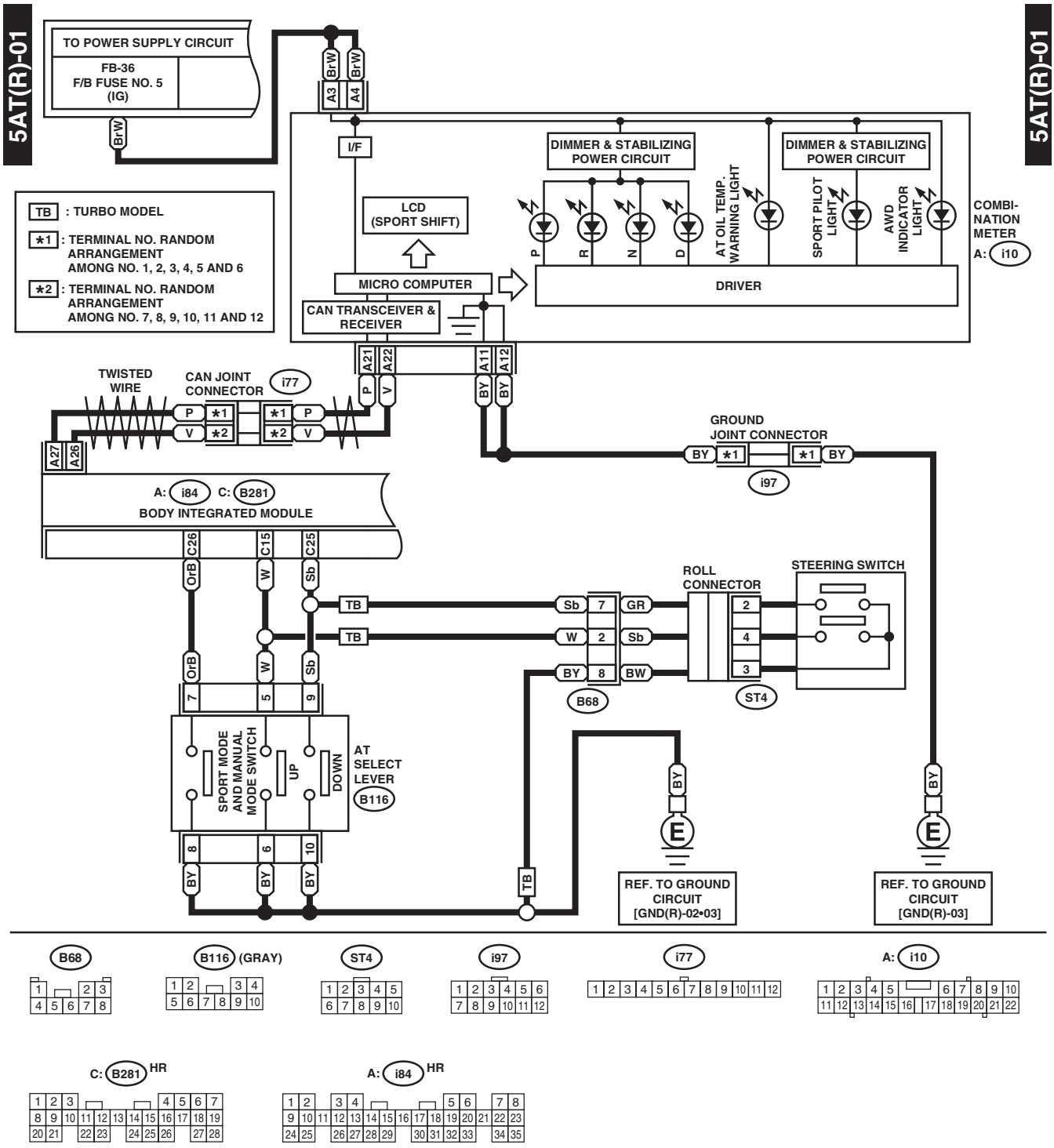
5. RHD 5AT MODEL



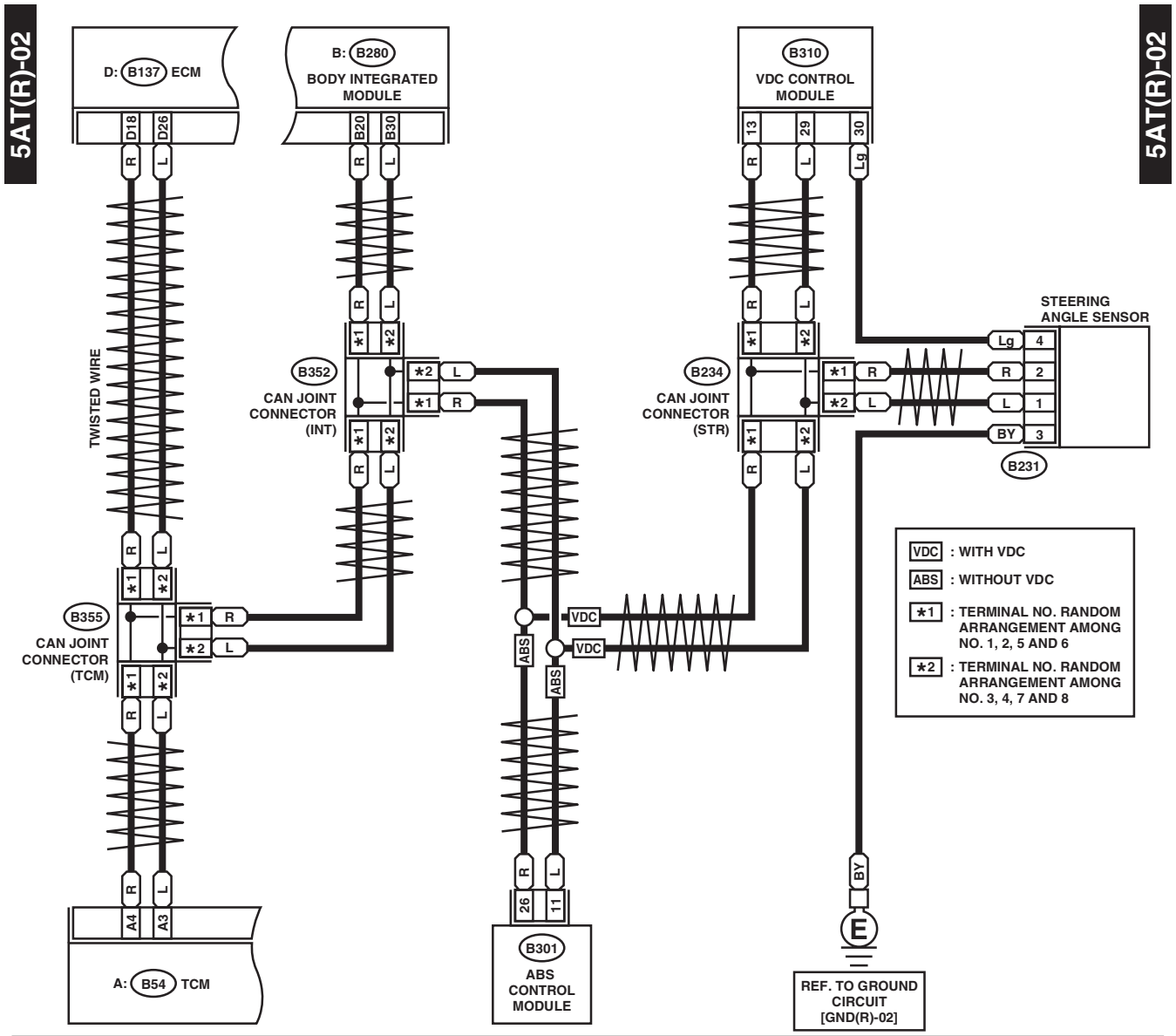
WI-06954

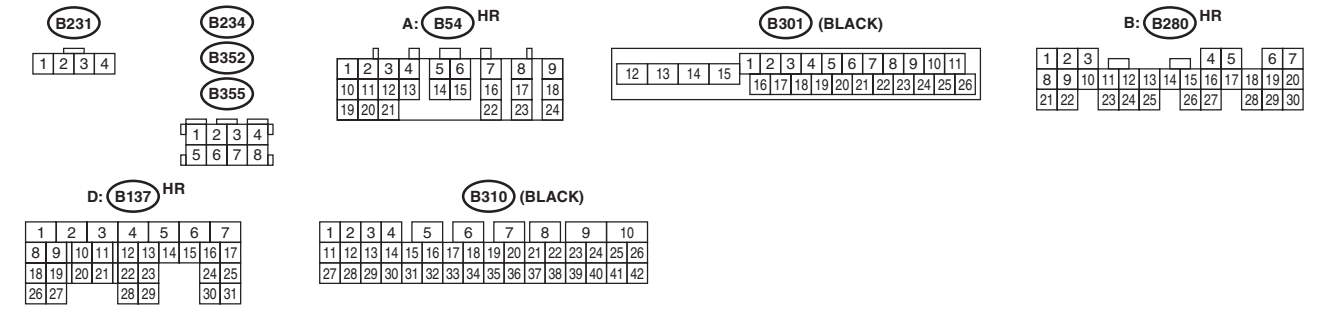

B5
ABS
B6
ABS
ABS : WITHOUT VDC
AT G SENSOR (WITHOUT VDC)
B22
A9
A18
A17
A15
A11
A24
A23
A22
B23
B12
A2
A6
A12
A21
B8
B7
B17
A13
A16
B20
B13
B14
B3
B4
B18
B16
A5
A14
A19
B21
TCM
ABS
CONTROL VALVE ASSY
VEHICLE SPEED SENSOR 1
TORQUE CONVERTER TURBINE SPEED SENSOR 1
E

WI-06955

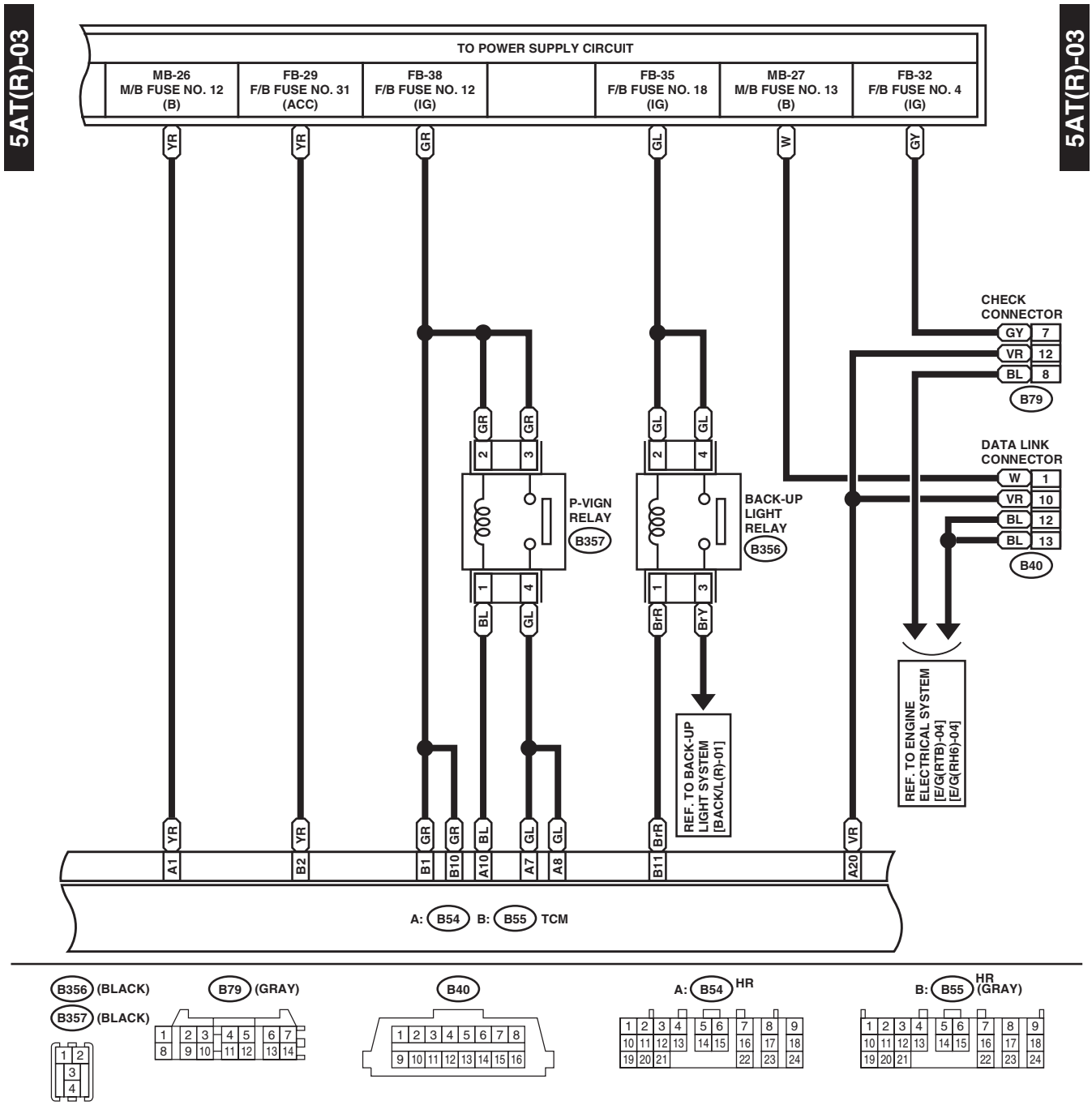

5AT(R)-01
TO POWER SUPPLY CIRCUIT
FB-36
F/B FUSE NO. 5
(IG)
BrW
A3
A4
I/F
DIMMER & STABILIZING POWER CIRCUIT
DIMMER & STABILIZING POWER CIRCUIT
AT OIL TEMP. WARNING LIGHT
SPORT PILOT LIGHT
AWD INDICATOR LIGHT
COMBI-NATION METER
A: i10
P
R
N
D
LCD (SPORT SHIFT)
MICRO COMPUTER
DRIVER
CAN TRANSCEIVER & RECEIVER
TB : TURBO MODEL
*1 : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 1, 2, 3, 4, 5 AND 6
*2 : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 7, 8, 9, 10, 11 AND 12
TWISTED WIRE
CAN JOINT CONNECTOR
i77
A21
A22
A11
A12
A27
A26
GROUND JOINT CONNECTOR
i97
A: i84 C: B281
BODY INTEGRATED MODULE
C26
C15
C25
OrB
W
Sb
TB
ROLL CONNECTOR
STEERING SWITCH
GR
BW
B68
ST4
SPORT MODE AND MANUAL MODE SWITCH
UP
DOWN
AT SELECT LEVER
B116
REF. TO GROUND CIRCUIT [GND(R)-02•03]
REF. TO GROUND CIRCUIT [GND(R)-03]
B68
B116 (GRAY)
ST4
i97
i77
A: i10
C: B281 HR
A: i84 HR

WI-06956

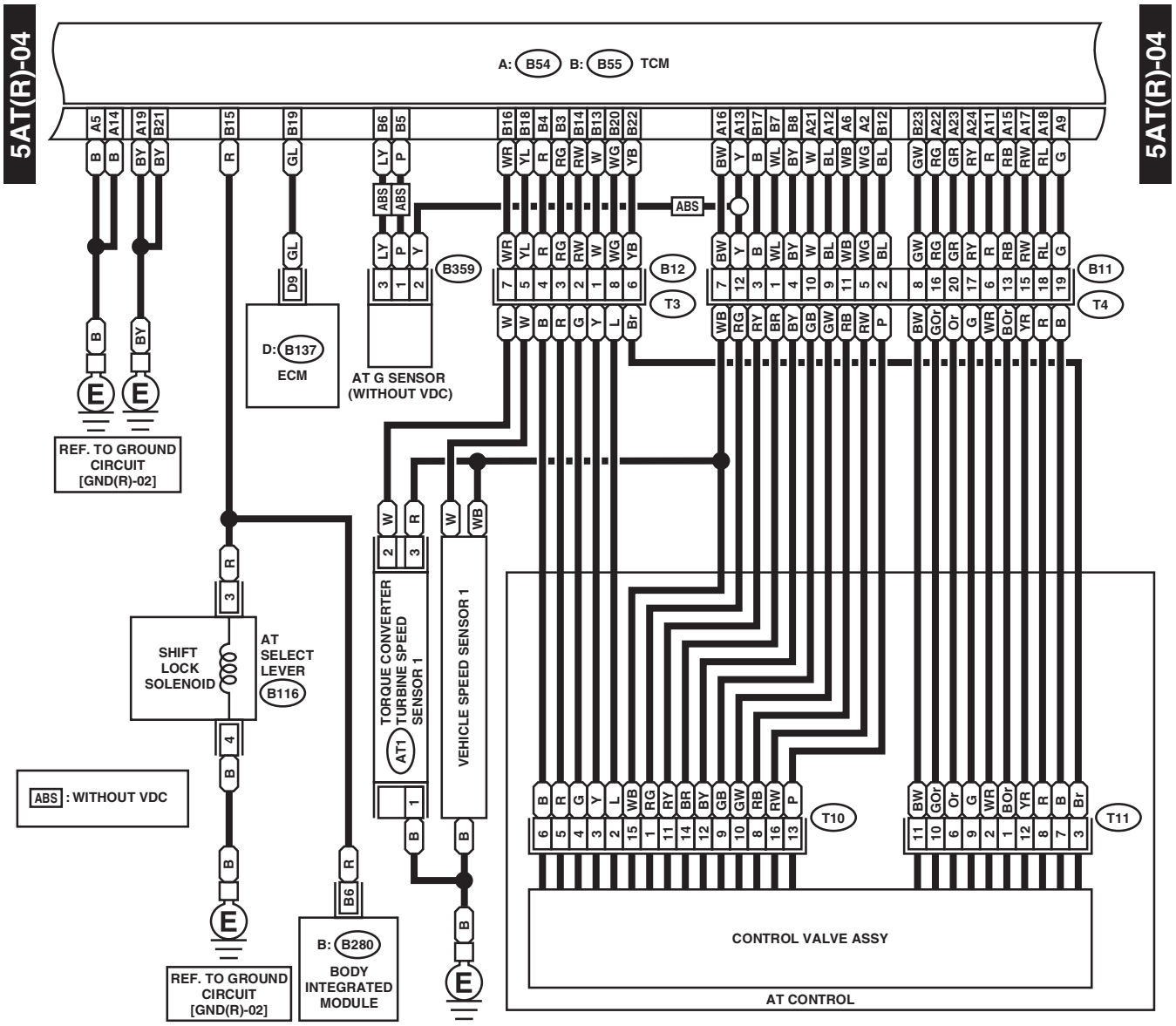

5AT(R)-02
5AT(R)-02
D: B137 ECM
B: B280
BODY INTEGRATED MODULE
B310
VDC CONTROL MODULE
TWISTED WIRE
B352
CAN JOINT CONNECTOR (INT)
B234
CAN JOINT CONNECTOR (STR)
STEERING ANGLE SENSOR
B231
B355
CAN JOINT CONNECTOR (TCM)
VDC : WITH VDC
ABS : WITHOUT VDC
*1 : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 1, 2, 5 AND 6
*2 : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 3, 4, 7 AND 8
A: B54 TCM
B301
ABS CONTROL MODULE
REF. TO GROUND CIRCUIT [GND(R)-02]

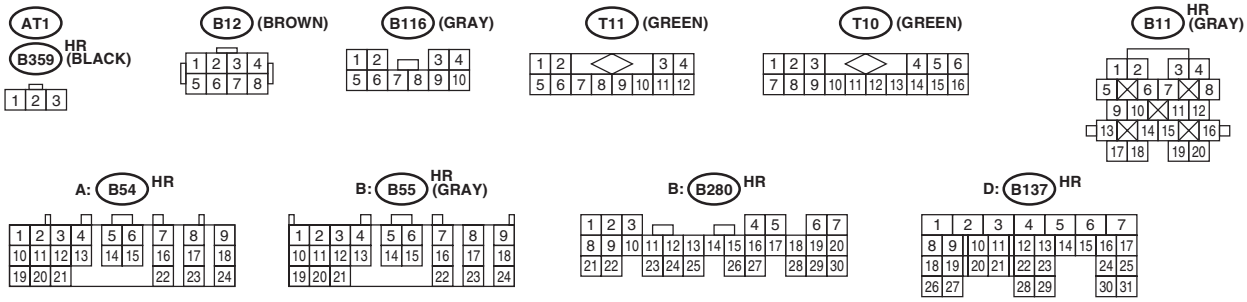

B231
B234
B352
B355
A: B54 HR
B301 (BLACK)
B: B280 HR
D: B137 HR
B310 (BLACK)

WI-06957


5AT(R)-03
5AT(R)-03
TO POWER SUPPLY CIRCUIT
MB-26
M/B FUSE NO. 12
(B)
FB-29
F/B FUSE NO. 31
(ACC)
FB-38
F/B FUSE NO. 12
(IG)
FB-35
F/B FUSE NO. 18
(IG)
MB-27
M/B FUSE NO. 13
(B)
FB-32
F/B FUSE NO. 4
(IG)
YR
YR
GR
GL
W
GY
CHECK
CONNECTOR
GY 7
VR 12
BL 8
B79
DATA LINK
CONNECTOR
W 1
VR 10
BL 12
BL 13
B40
GR
GR
GL
GL
2
3
2
4
P-VIGN
RELAY
B357
BACK-UP
LIGHT
RELAY
B356
1
4
1
3
BL
GL
BrR
BrY
REF. TO BACK-UP
LIGHT SYSTEM
[BACK/L(R)-01]
REF. TO ENGINE
ELECTRICAL SYSTEM
[E/G(RTB)-04]
[E/G(RH6)-04]
YR
YR
GR
GR
BL
GL
GL
BrR
VR
A1
B2
B1
B10
A10
A7
A8
B11
A20
A: B54 B: B55 TCM
B356 (BLACK)
B357 (BLACK)
B79 (GRAY)
B40
A: B54 HR
B: B55 HR (GRAY)

WI-06958

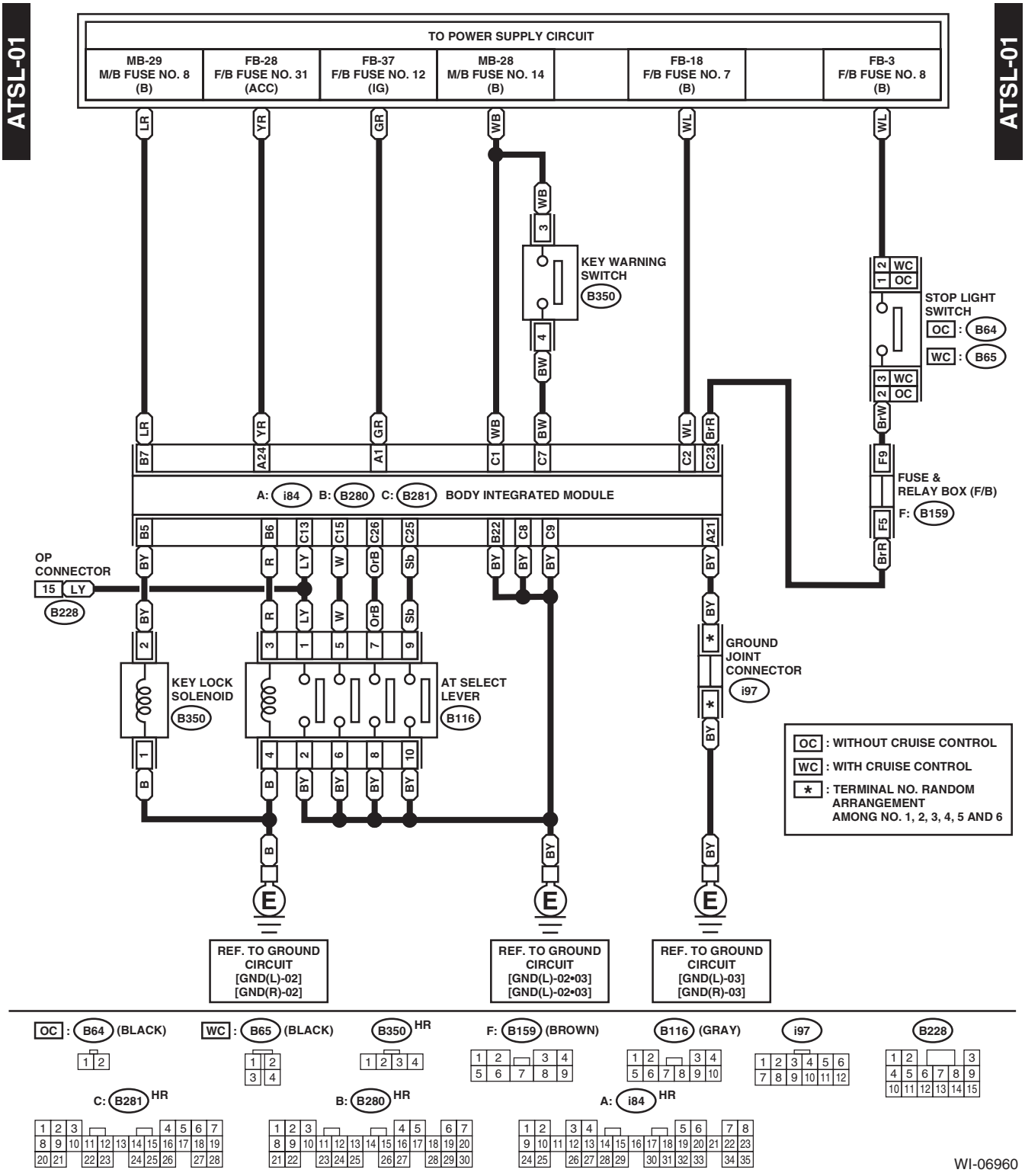

5AT(R)-04
A: B54 B: B55 TCM
B359
B12
T3
B11
T4
D: B137
ECM
AT G SENSOR
(WITHOUT VDC)
REF. TO GROUND
CIRCUIT
[GND(R)-02]
SHIFT
LOCK
SOLENOID
AT
SELECT
LEVER
B116
TORQUE CONVERTER
TURBINE SPEED
SENSOR 1
AT1
VEHICLE SPEED SENSOR 1
ABS : WITHOUT VDC
B: B280
BODY
INTEGRATED
MODULE
T10
T11
CONTROL VALVE ASSY
AT CONTROL


AT1
B359 HR (BLACK)
B12 (BROWN)
B116 (GRAY)
T11 (GREEN)
T10 (GREEN)
B11 HR (GRAY)
A: B54 HR
B: B55 HR (GRAY)
B: B280 HR
D: B137 HR

WI-06959

7. AT Shift Lock Control System

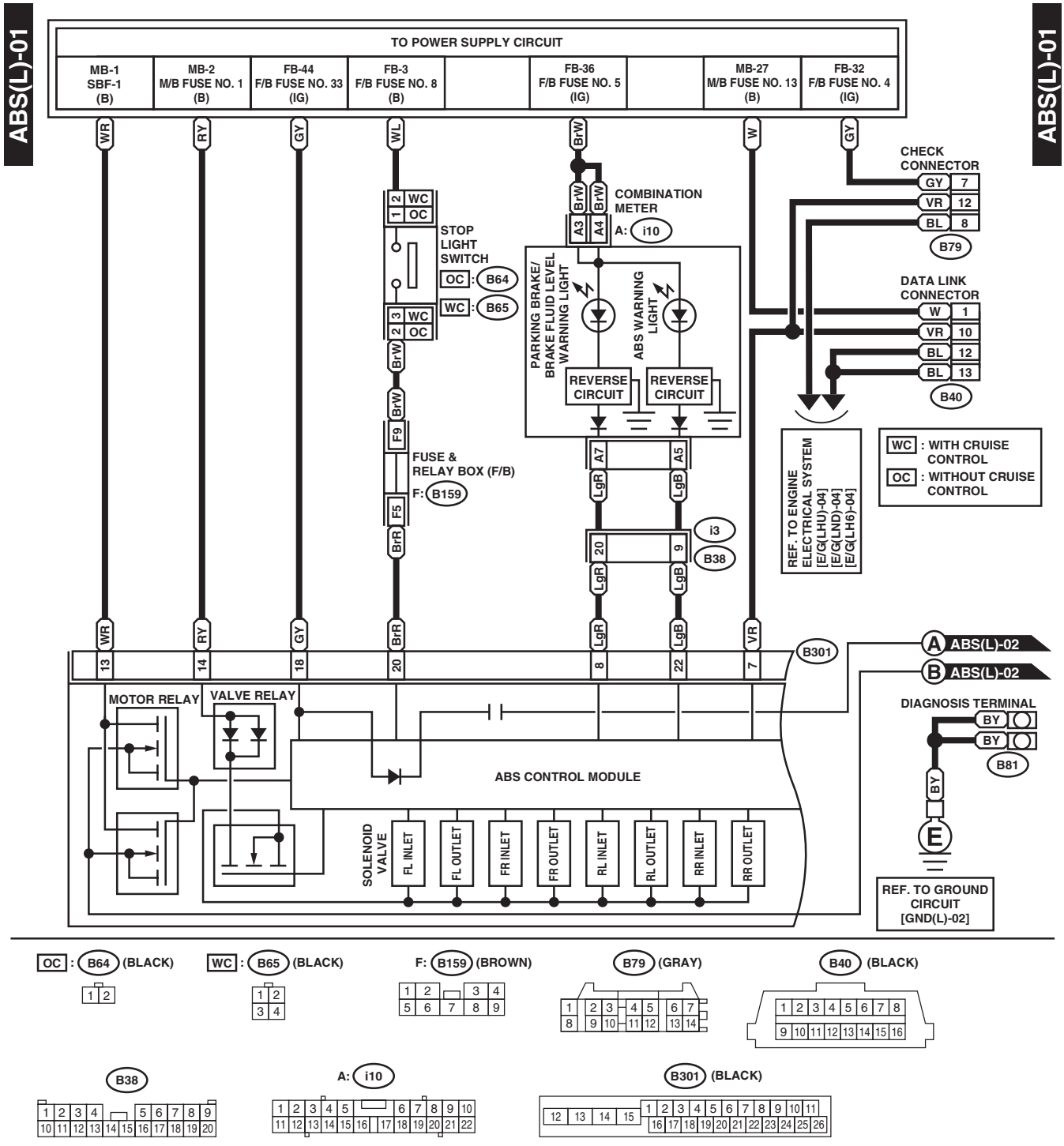
A: WIRING DIAGRAM



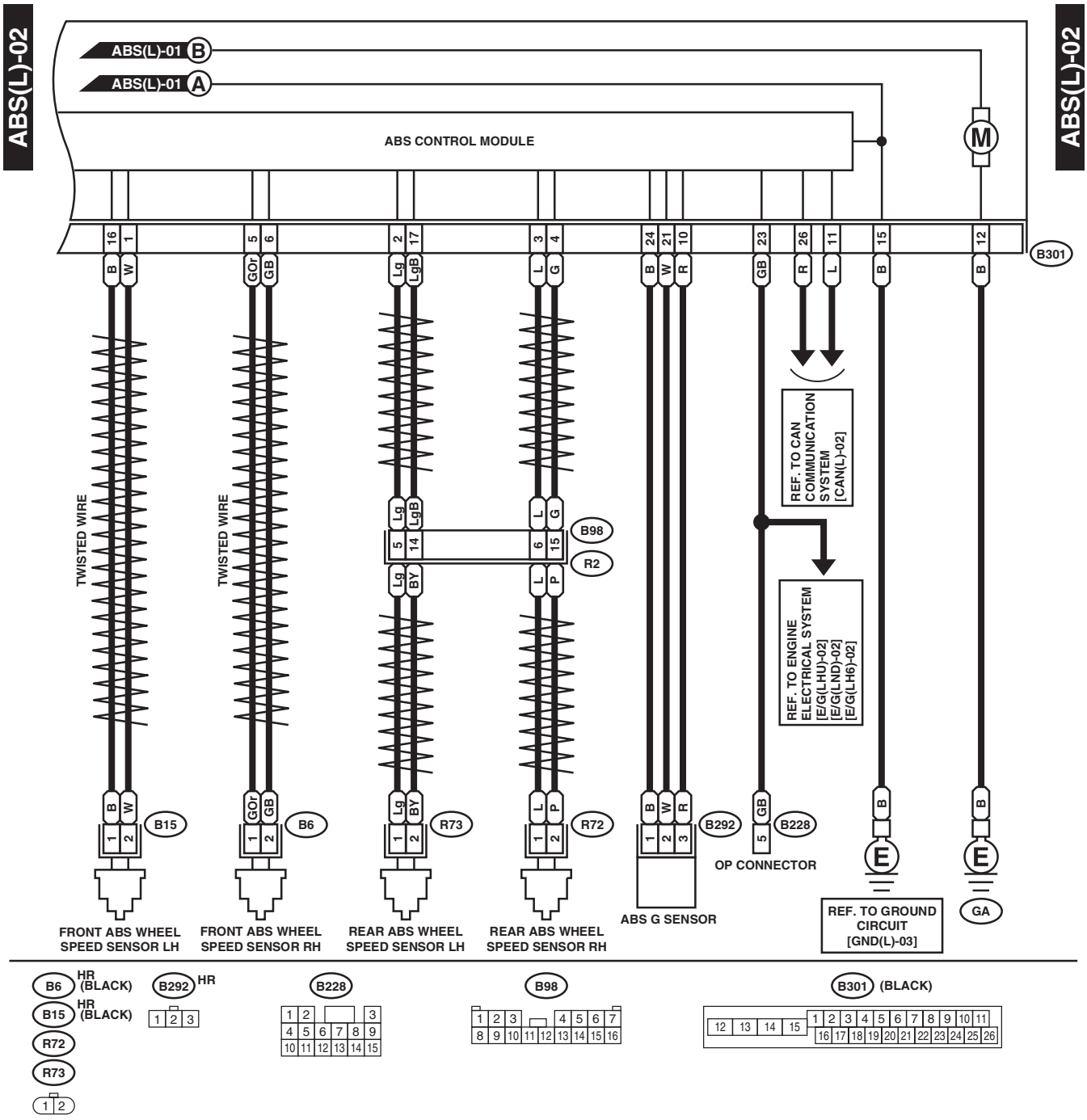
8. Anti-lock Brake System

A: WIRING DIAGRAM

1. LHD MODEL

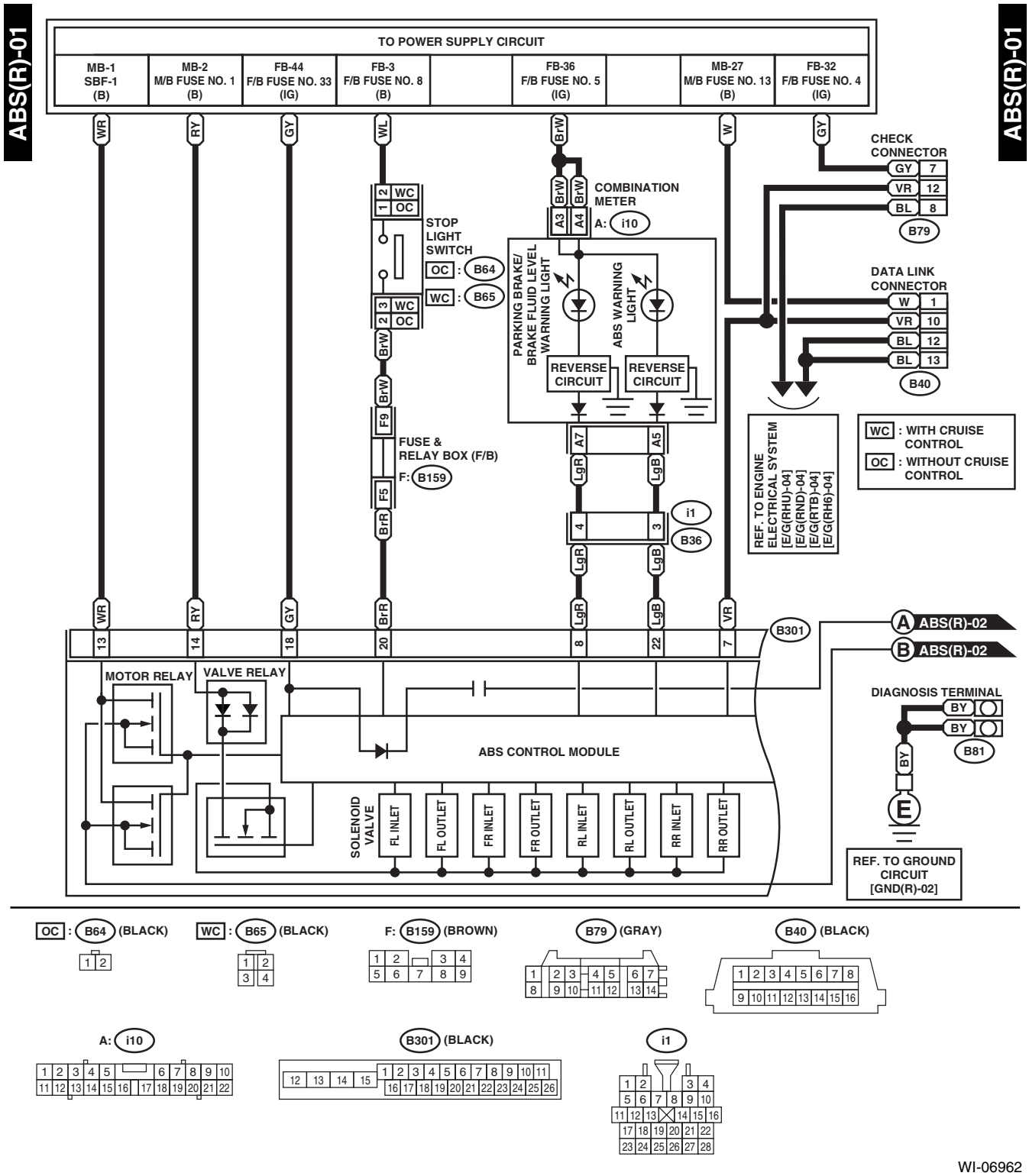


WI-06961

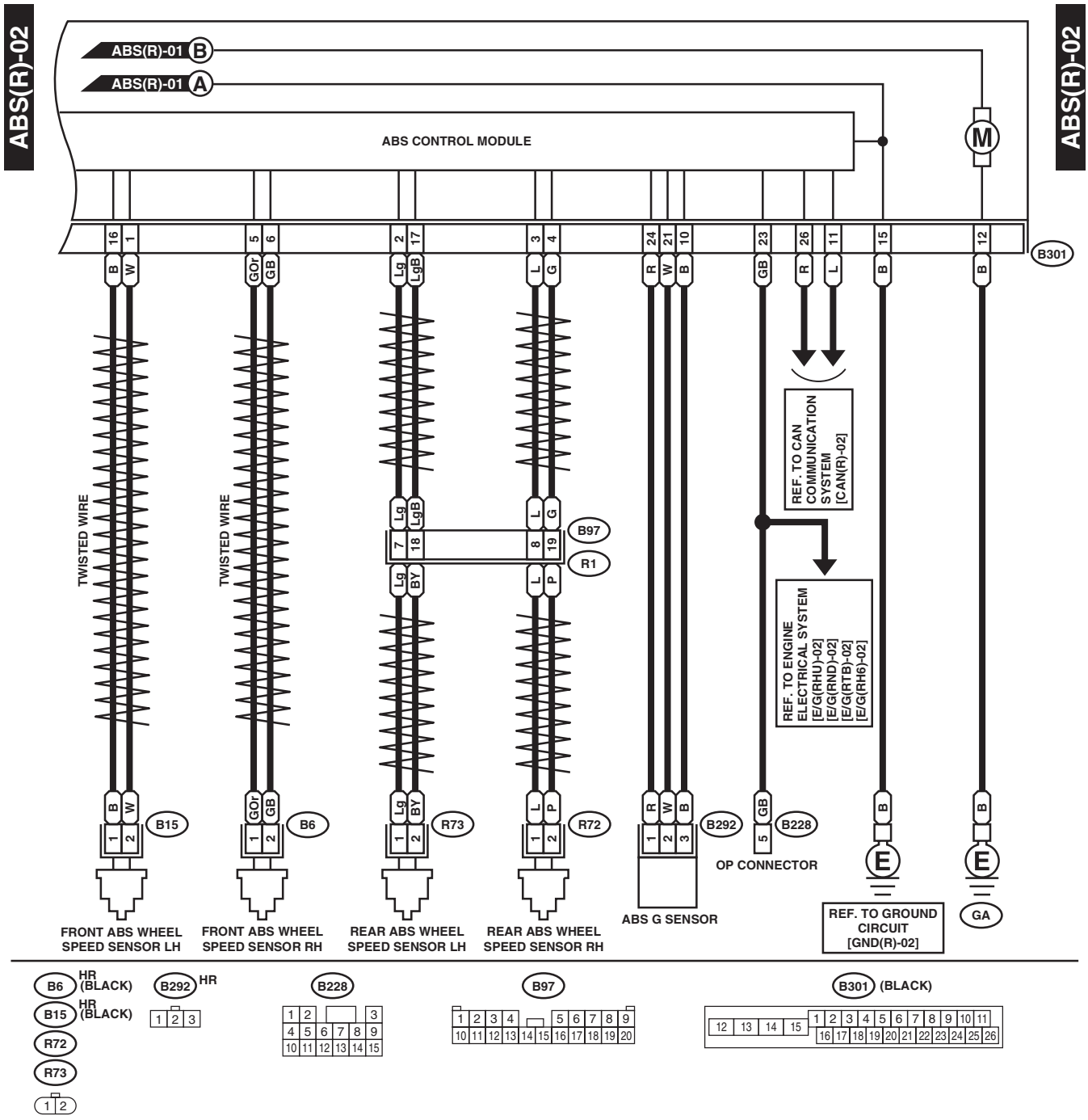

ABS(L)-02
ABS(L)-02
ABS(L)-01 B
ABS(L)-01 A
ABS CONTROL MODULE
M
B301
TWISTED WIRE
TWISTED WIRE
B98
R2
REF. TO CAN COMMUNICATION SYSTEM [CAN(L)-02]
REF. TO ENGINE ELECTRICAL SYSTEM [E/G(LHU)-02] [E/G(LND)-02] [E/G(LH6)-02]
B15
B6
R73
R72
B292
B228
OP CONNECTOR
ABS G SENSOR
REF. TO GROUND CIRCUIT [GND(L)-03]
GA
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 HR (BLACK)
B15 HR (BLACK)
R72
R73
B292 HR
B228
B98
B301 (BLACK)

WI-07534

2. RHD MODEL



WI-06962

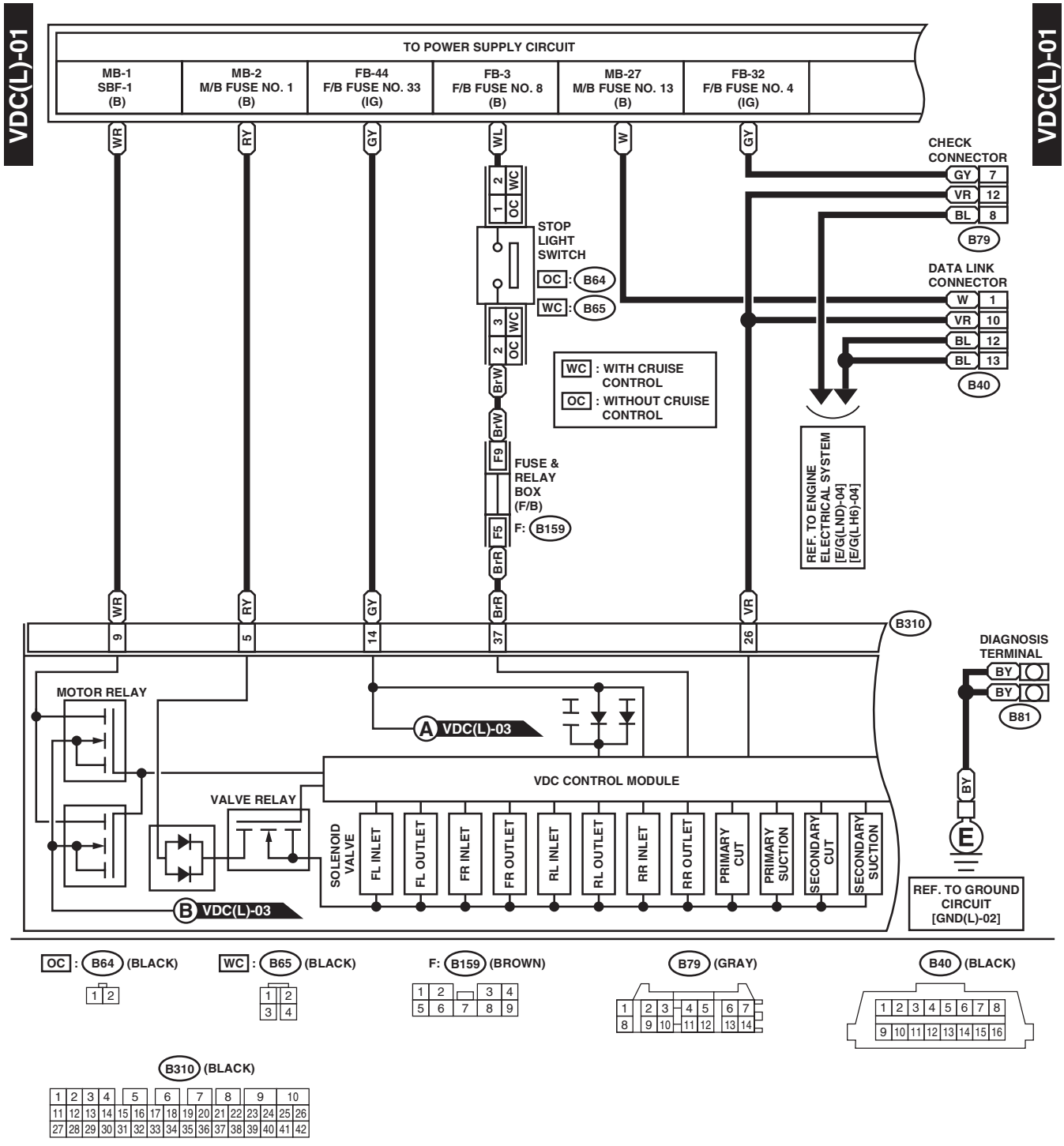

ABS(R)-02
ABS(R)-02
ABS(R)-01 B
ABS(R)-01 A
ABS CONTROL MODULE
M
B301
TWISTED WIRE
TWISTED WIRE
REF. TO CAN COMMUNICATION SYSTEM [CAN(R)-02]
REF. TO ENGINE ELECTRICAL SYSTEM [E/G(RHU)-02] [E/G(RND)-02] [E/G(RTB)-02] [E/G(RH6)-02]
B97
R1
B15
B6
R73
R72
B292
B228
OP CONNECTOR
FRONT ABS WHEEL SPEED SENSOR LH
FRONT ABS WHEEL SPEED SENSOR RH
REAR ABS WHEEL SPEED SENSOR LH
REAR ABS WHEEL SPEED SENSOR RH
ABS G SENSOR
REF. TO GROUND CIRCUIT [GND(R)-02]
GA
B6 HR (BLACK)
B15 HR (BLACK)
R72
R73
B292 HR
B228
B97
B301 (BLACK)

WI-07535

9. Vehicle Dynamics Control System

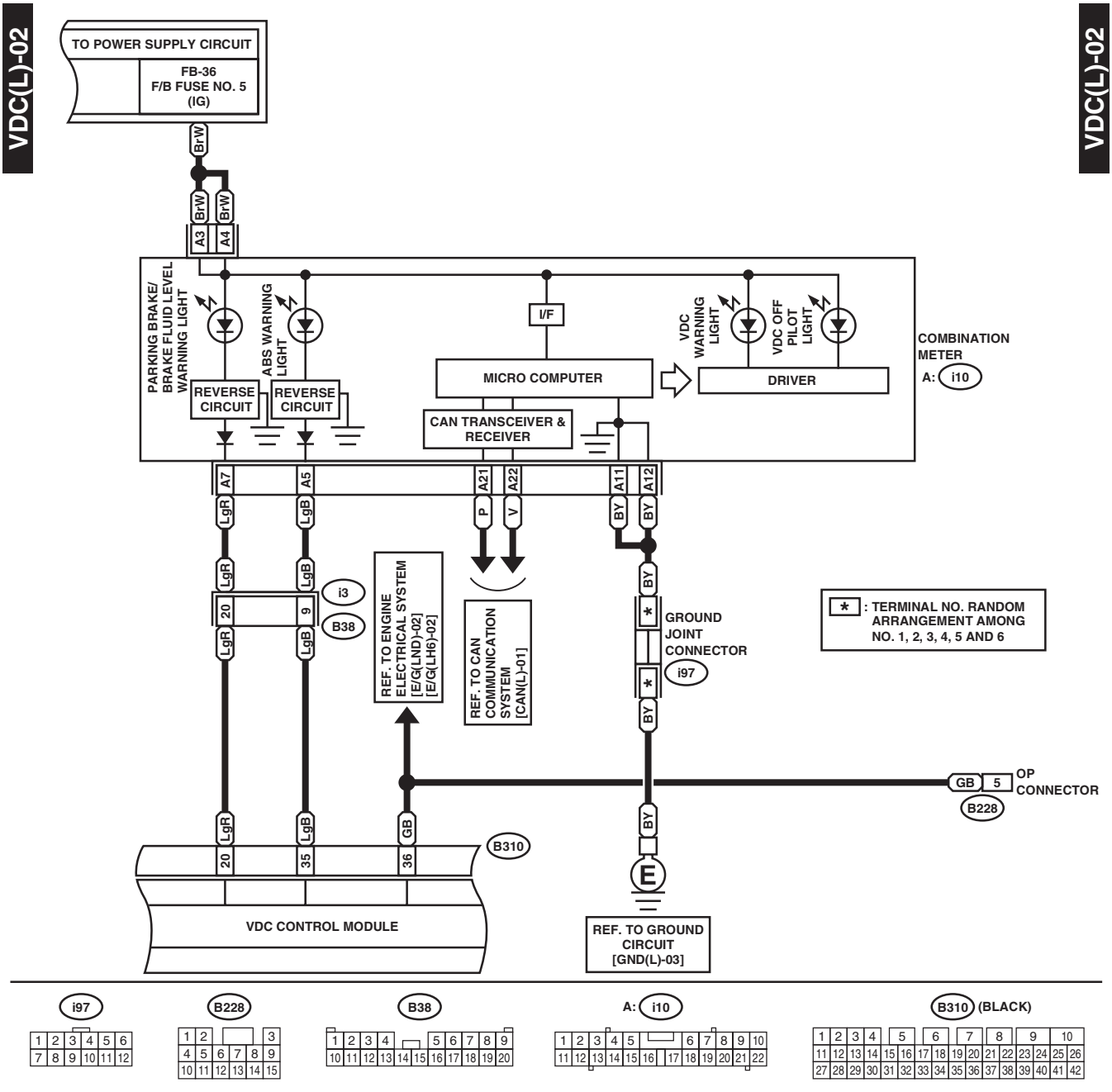
A: WIRING DIAGRAM

1. LHD MODEL

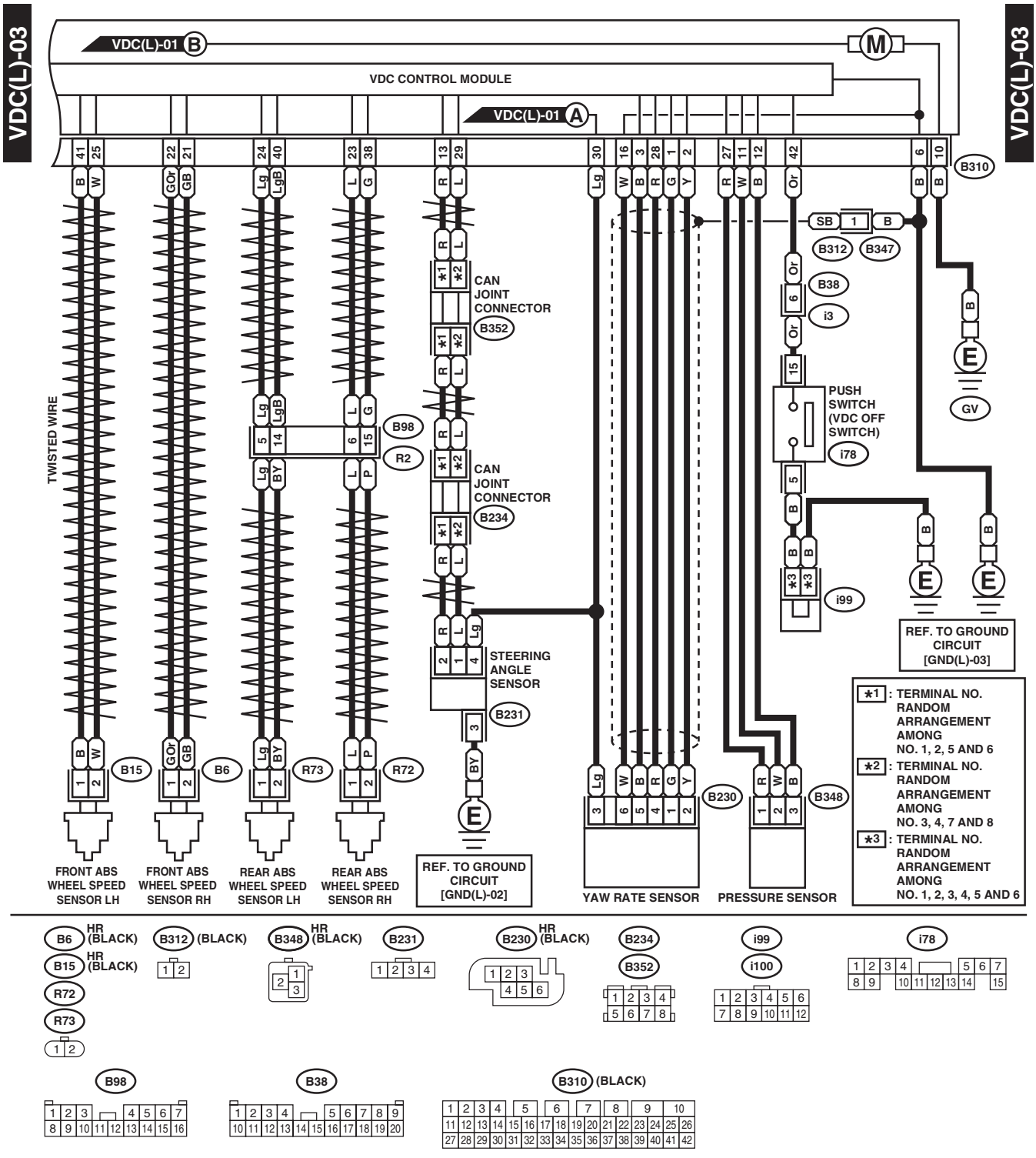


WI-06963

VDC(L)-02

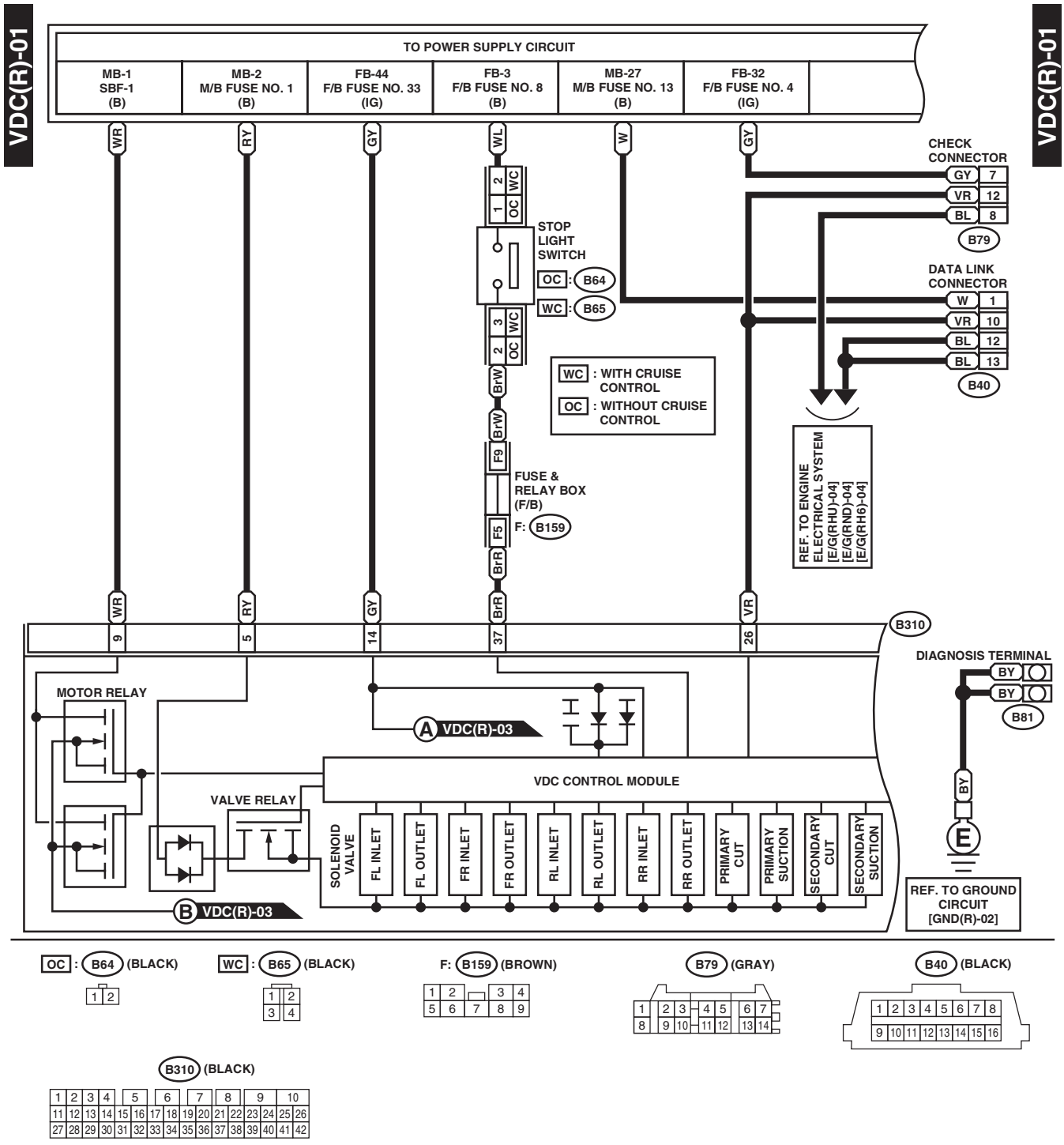


WI-07536


VDC(L)-03
VDC(L)-01 B
M
VDC CONTROL MODULE
VDC(L)-01 A
B310
B312
B347
B38
i3
GV
PUSH SWITCH (VDC OFF SWITCH)
i78
i99
CAN JOINT CONNECTOR
B352
B234
B98
R2
STEERING ANGLE SENSOR
B231
B230
B348
B15
B6
R73
R72
TWISTED WIRE
FRONT ABS WHEEL SPEED SENSOR LH
FRONT ABS WHEEL SPEED SENSOR RH
REAR ABS WHEEL SPEED SENSOR LH
REAR ABS WHEEL SPEED SENSOR RH
REF. TO GROUND CIRCUIT [GND(L)-02]
REF. TO GROUND CIRCUIT [GND(L)-03]
YAW RATE SENSOR
PRESSURE SENSOR
*1 : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 1, 2, 5 AND 6
*2 : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 3, 4, 7 AND 8
*3 : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 1, 2, 3, 4, 5 AND 6
B6 HR (BLACK)
B15 HR (BLACK)
R72
R73
B312 (BLACK)
B348 HR (BLACK)
B231
B230 HR (BLACK)
B234
B352
i99
i100
i78
B98
B38
B310 (BLACK)

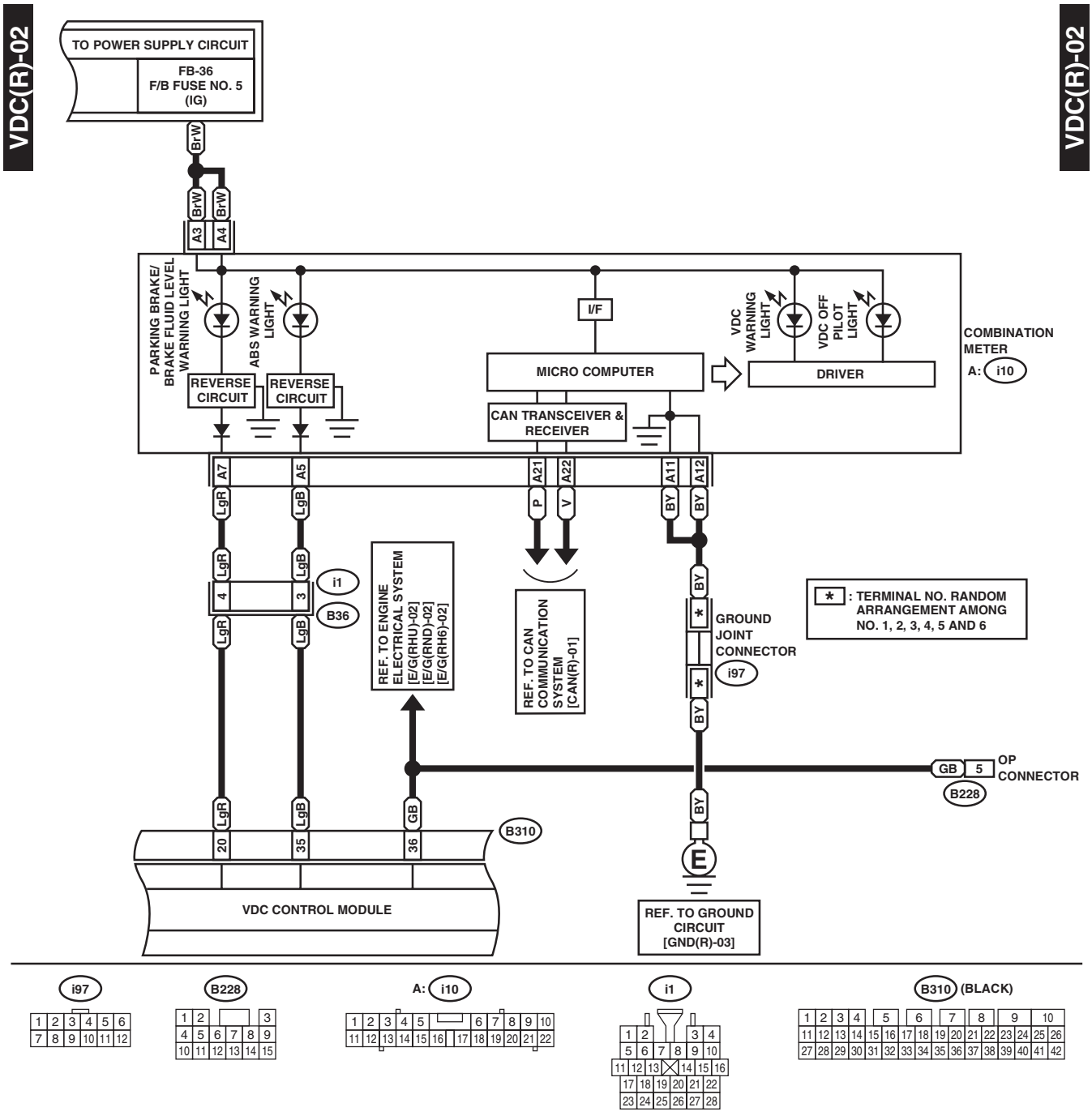
WI-06964

2. RHD MODEL

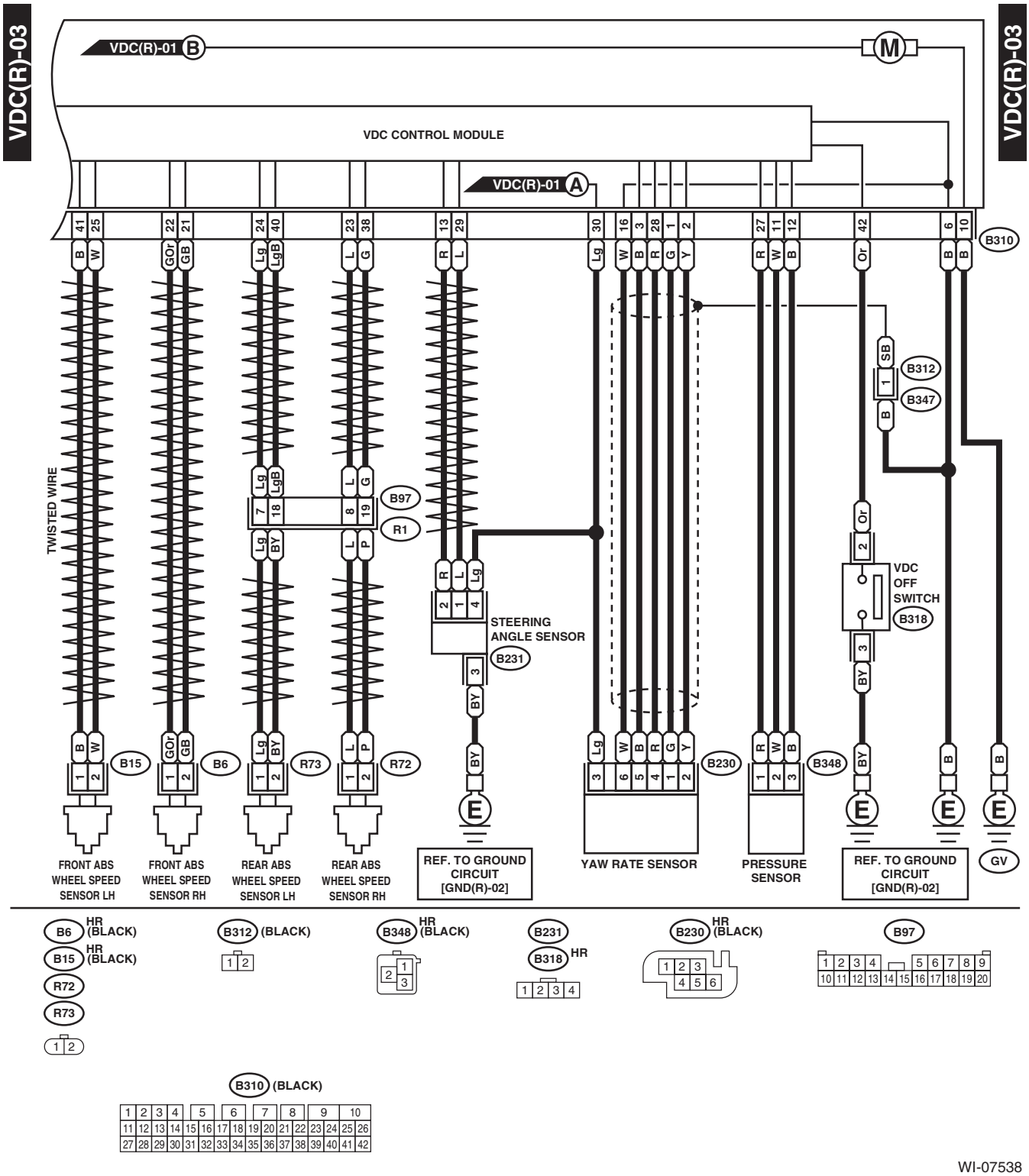


WI-06965

VDC(R)-02



WI-07537

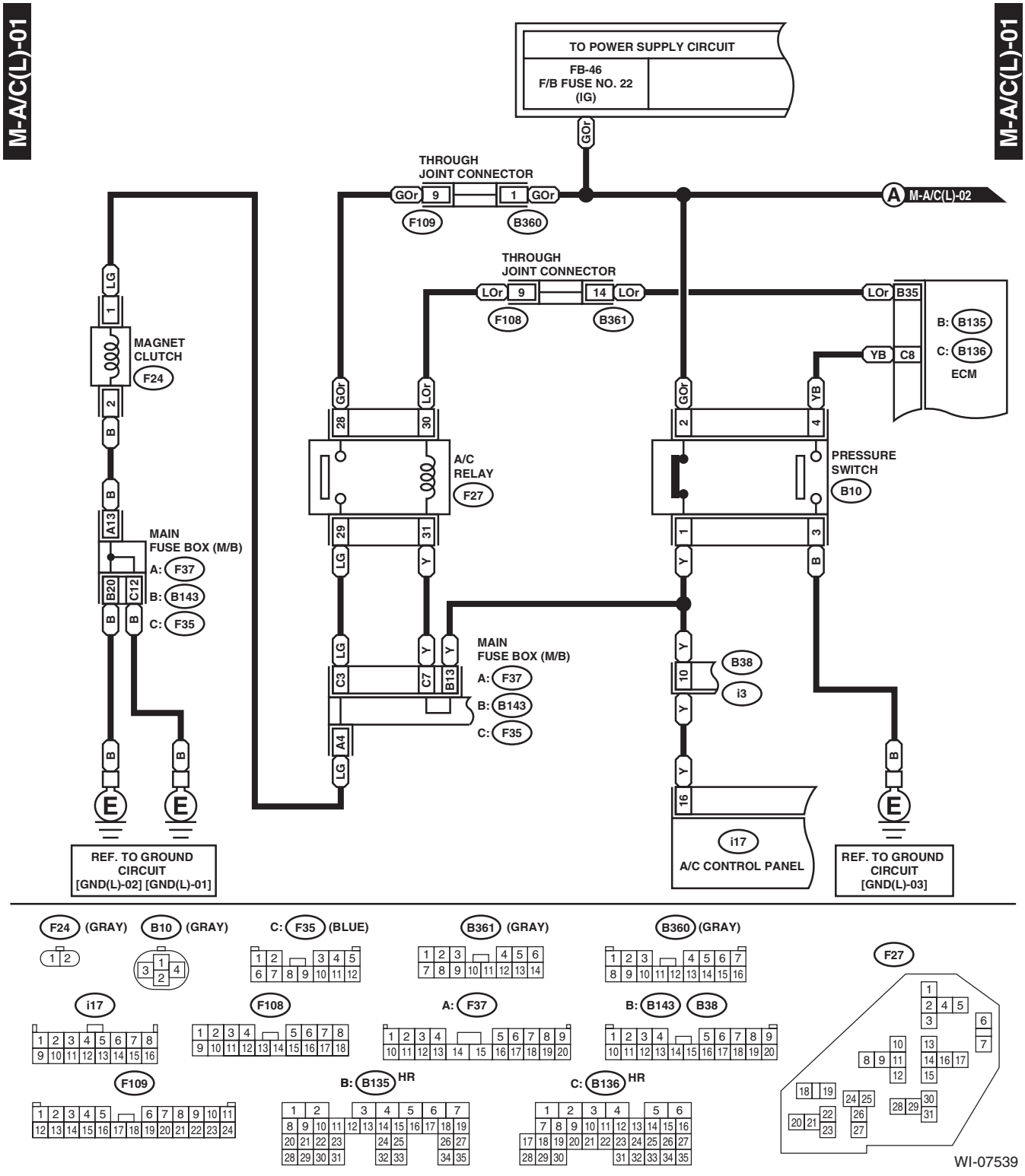

VDC(R)-03
VDC(R)-01 B
M
VDC CONTROL MODULE
VDC(R)-01 A
B310
TWISTED WIRE
B97
R1
STEERING ANGLE SENSOR
B231
VDC OFF SWITCH
B318
B312
B347
B15
B6
R73
R72
B230
B348
FRONT ABS WHEEL SPEED SENSOR LH
FRONT ABS WHEEL SPEED SENSOR RH
REAR ABS WHEEL SPEED SENSOR LH
REAR ABS WHEEL SPEED SENSOR RH
REF. TO GROUND CIRCUIT [GND(R)-02]
YAW RATE SENSOR
PRESSURE SENSOR
REF. TO GROUND CIRCUIT [GND(R)-02]
GV
B6 HR (BLACK)
B15 HR (BLACK)
R72
R73
B312 (BLACK)
B348 HR (BLACK)
B231
B318 HR
B230 HR (BLACK)
B97
B310 (BLACK)

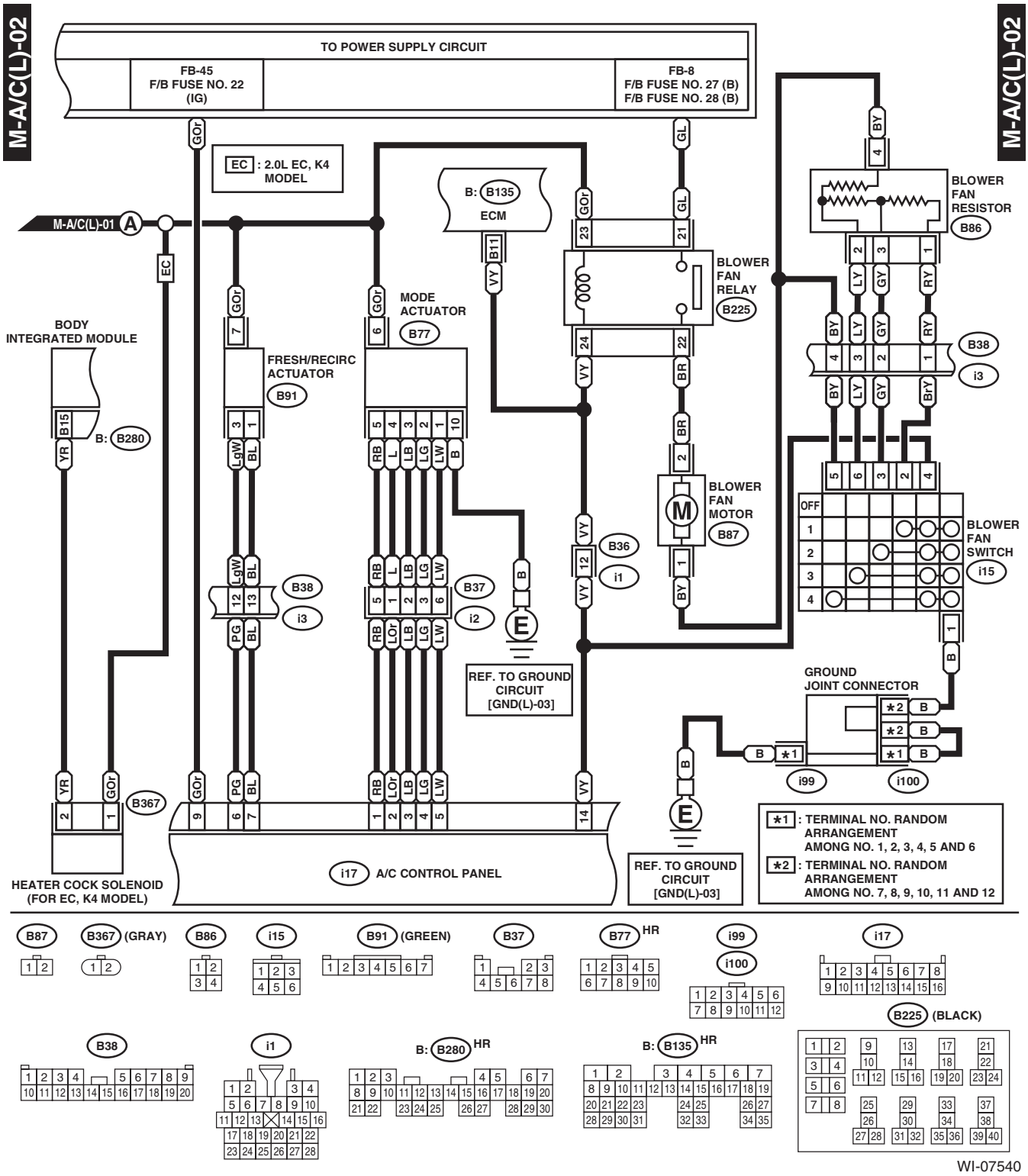
WI-07538

10.Air Conditioning System

A: WIRING DIAGRAM

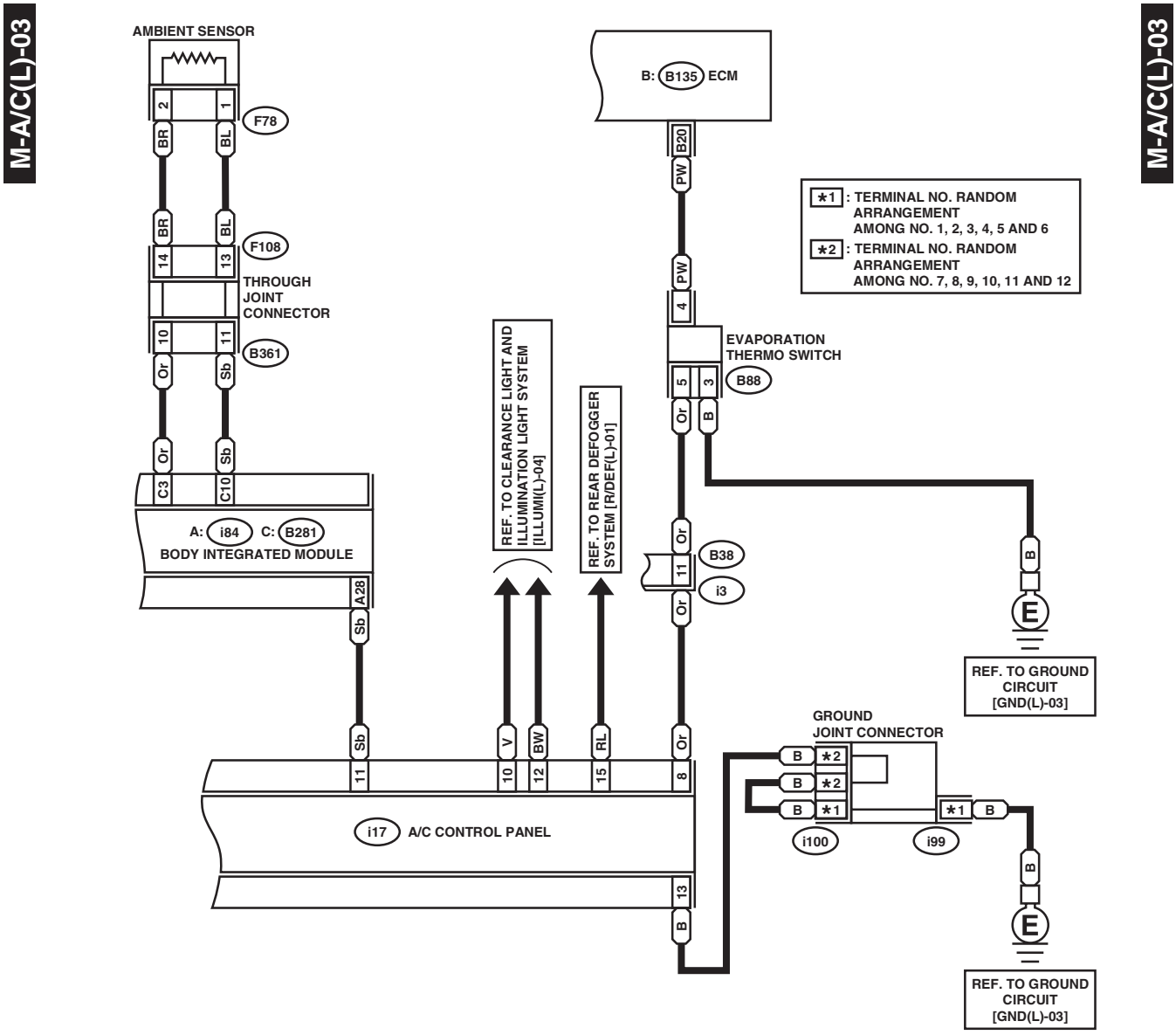
1. MANUAL A/C LHD MODEL

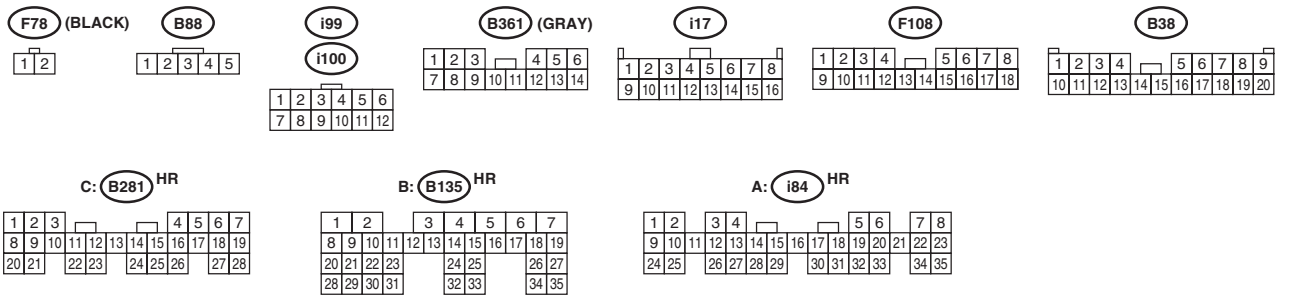



M-A/C(L)-02
TO POWER SUPPLY CIRCUIT
FB-45
F/B FUSE NO. 22
(IG)
FB-8
F/B FUSE NO. 27 (B)
F/B FUSE NO. 28 (B)
EC : 2.0L EC, K4 MODEL
B: B135
ECM
M-A/C(L)-01 A
BLOWER FAN RESISTOR
B86
BLOWER FAN RELAY
B225
MODE ACTUATOR
B77
BODY INTEGRATED MODULE
B: B280
FRESH/RECIRC ACTUATOR
B91
B38
i3
B37
i2
B36
i1
BLOWER FAN MOTOR
B87
BLOWER FAN SWITCH
i15
OFF
1
2
3
4
REF. TO GROUND CIRCUIT [GND(L)-03]
GROUND JOINT CONNECTOR
i99
i100
B367
HEATER COCK SOLENOID (FOR EC, K4 MODEL)
i17 A/C CONTROL PANEL
REF. TO GROUND CIRCUIT [GND(L)-03]
*1 : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 1, 2, 3, 4, 5 AND 6
*2 : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 7, 8, 9, 10, 11 AND 12
B87
B367 (GRAY)
B86
i15
B91 (GREEN)
B37
B77 HR
i99
i100
i17
B225 (BLACK)
B38
i1
B: B280 HR
B: B135 HR

WI-07540

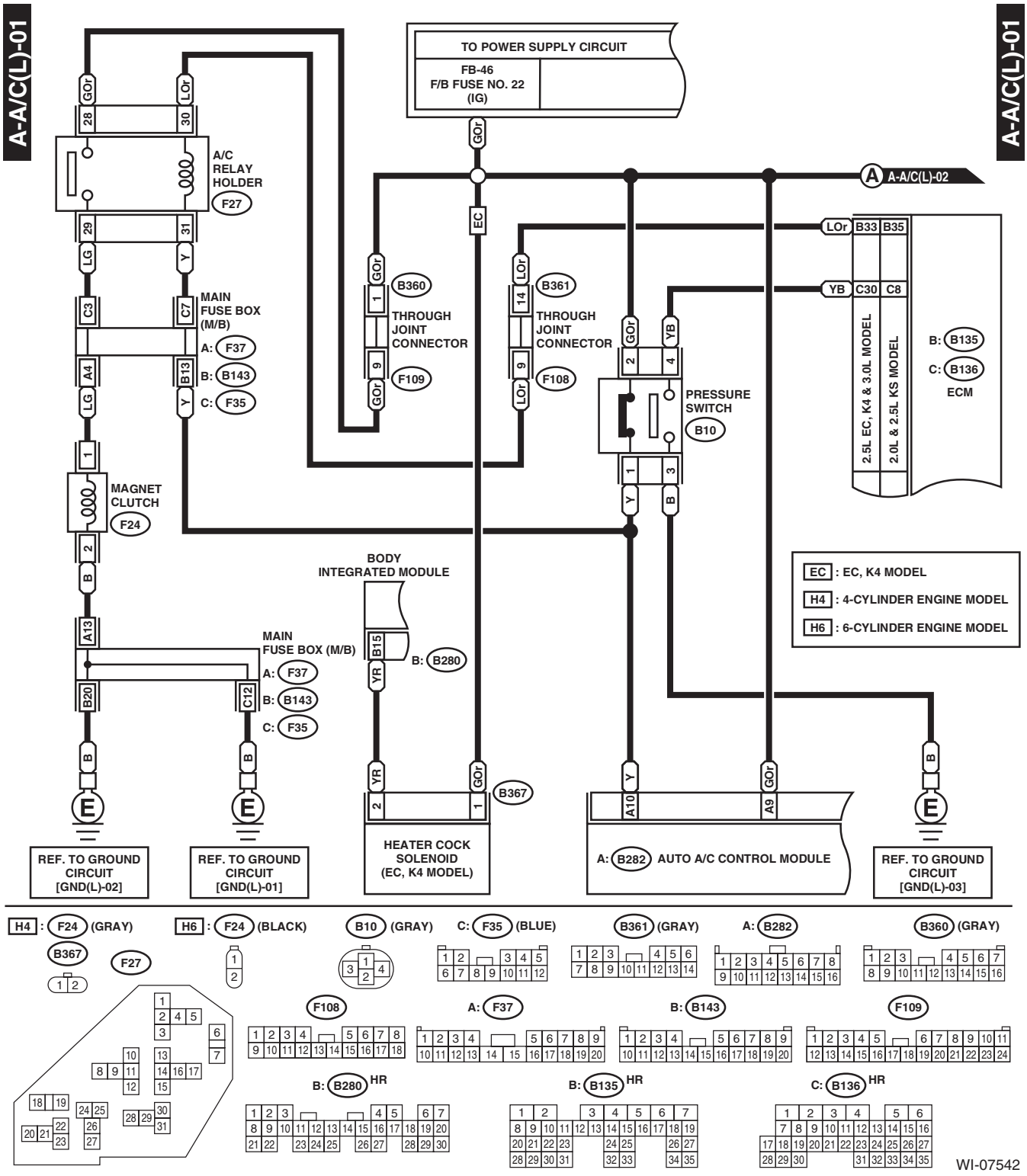
M-A/C(L)-03

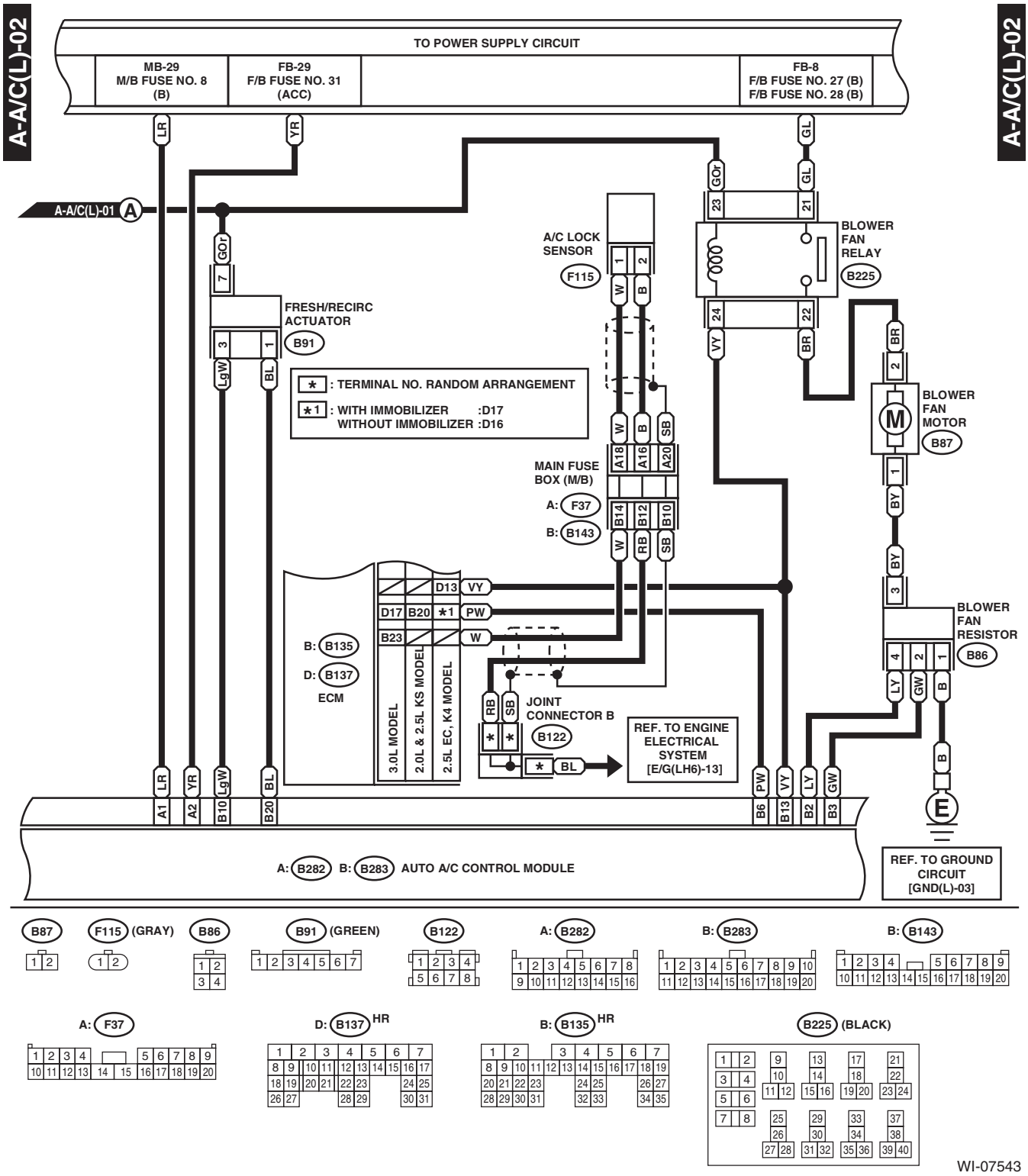




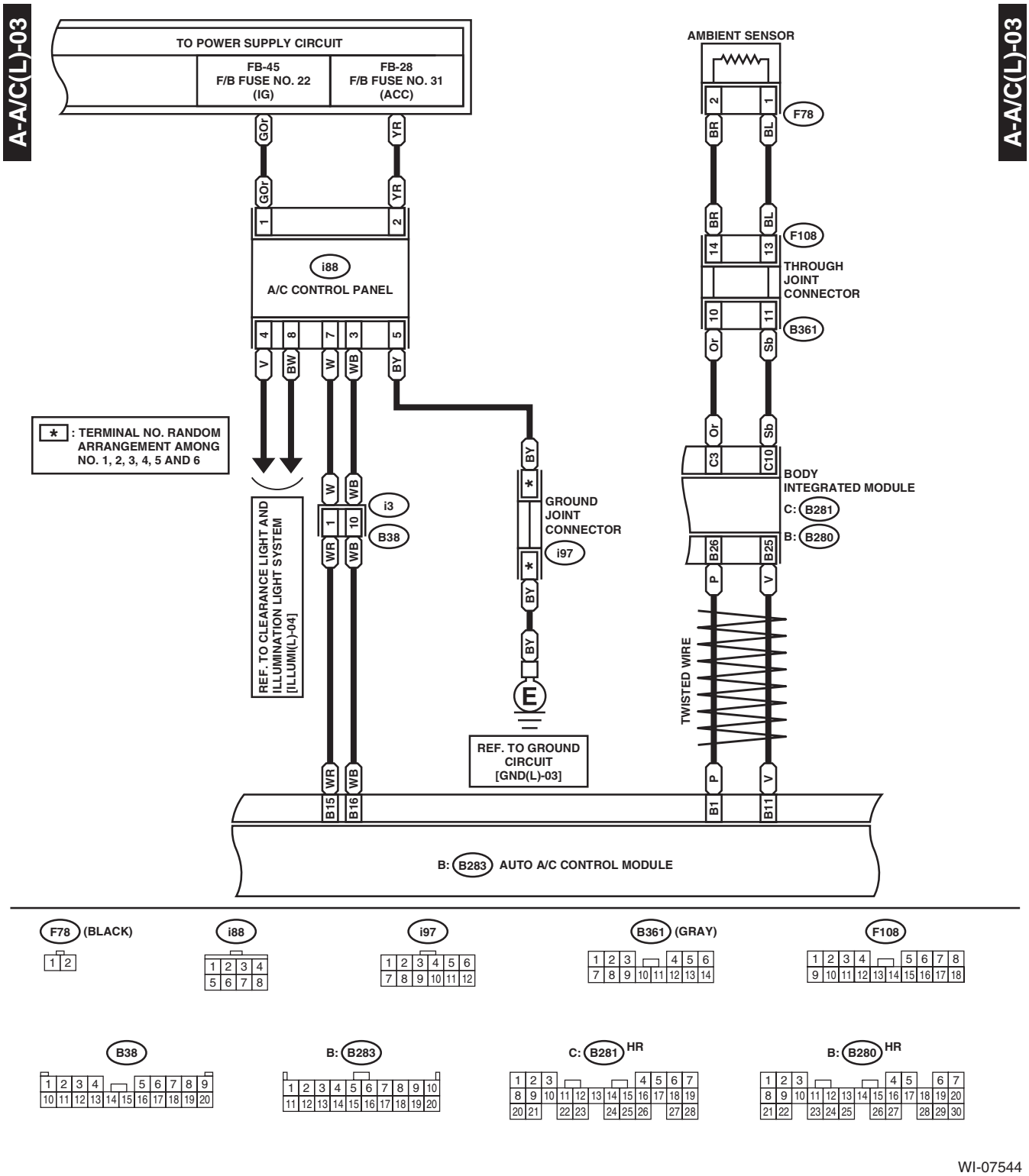
WI-07541

2. AUTO A/C LHD MODEL

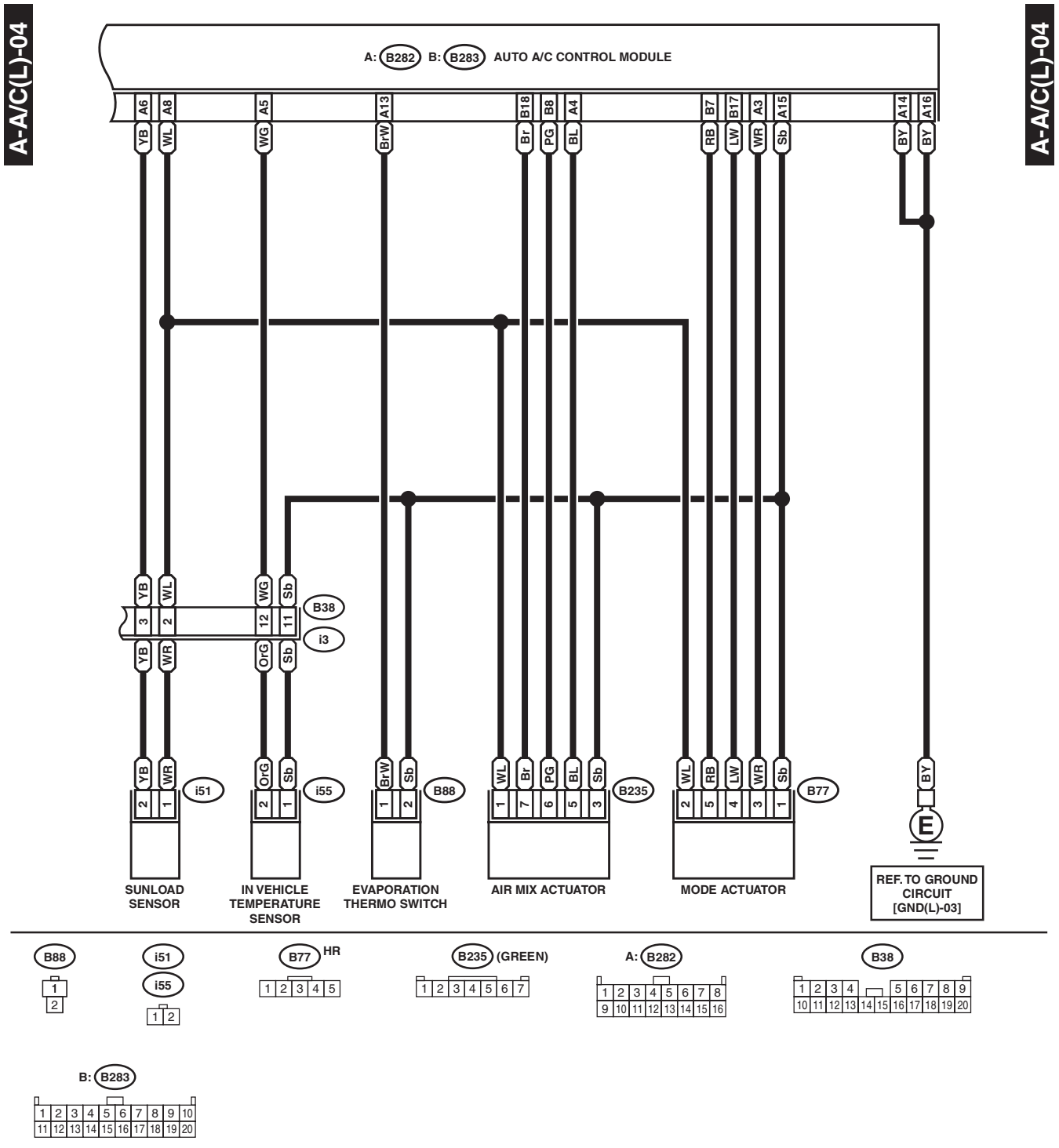



A-A/C(L)-02
A-A/C(L)-02
TO POWER SUPPLY CIRCUIT
MB-29
M/B FUSE NO. 8
(B)
FB-29
F/B FUSE NO. 31
(ACC)
FB-8
F/B FUSE NO. 27 (B)
F/B FUSE NO. 28 (B)
A-A/C(L)-01 A
A/C LOCK SENSOR
F115
BLOWER FAN RELAY
B225
FRESH/RECIRC ACTUATOR
B91
* : TERMINAL NO. RANDOM ARRANGEMENT
*1 : WITH IMMOBILIZER :D17
WITHOUT IMMOBILIZER :D16
BLOWER FAN MOTOR
B87
MAIN FUSE BOX (M/B)
A: F37
B: B143
BLOWER FAN RESISTOR
B86
B: B135
D: B137
ECM
3.0L MODEL
2.0L & 2.5L KS MODEL
2.5L EC, K4 MODEL
JOINT CONNECTOR B
B122
REF. TO ENGINE ELECTRICAL SYSTEM [E/G(LH6)-13]
A: B282 B: B283 AUTO A/C CONTROL MODULE
REF. TO GROUND CIRCUIT [GND(L)-03]
B87
F115 (GRAY)
B86
B91 (GREEN)
B122
A: B282
B: B283
B: B143
A: F37
D: B137 HR
B: B135 HR
B225 (BLACK)

WI-07543

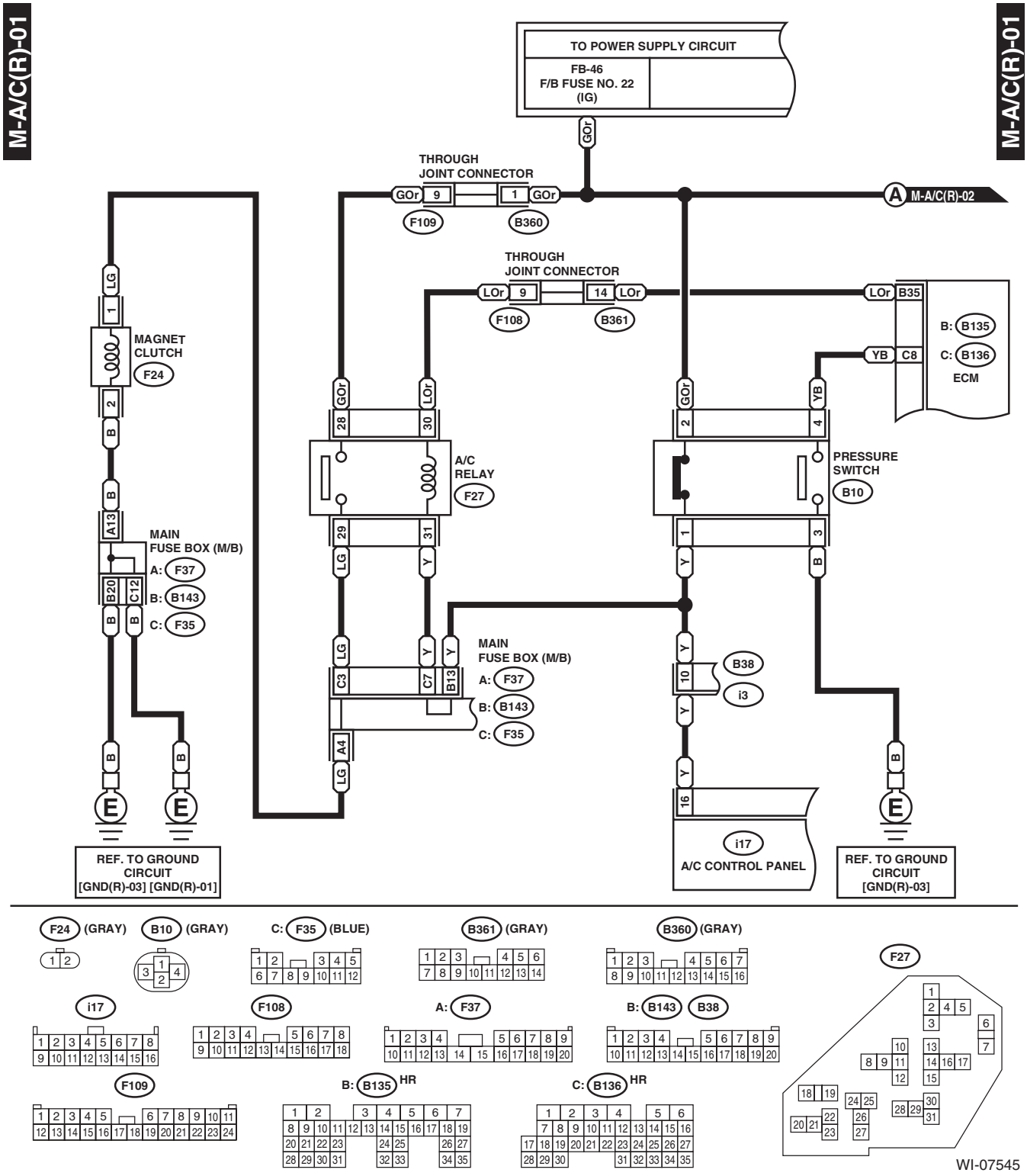

A-A/C(L)-03
A-A/C(L)-03
TO POWER SUPPLY CIRCUIT
FB-45
F/B FUSE NO. 22
(IG)
FB-28
F/B FUSE NO. 31
(ACC)
AMBIENT SENSOR
F78
F108
THROUGH JOINT CONNECTOR
B361
i88
A/C CONTROL PANEL
* : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 1, 2, 3, 4, 5 AND 6
i3
B38
GROUND JOINT CONNECTOR
i97
BODY INTEGRATED MODULE
C: B281
B: B280
REF. TO CLEARANCE LIGHT AND ILLUMINATION LIGHT SYSTEM [ILLUMI(L)-04]
TWISTED WIRE
REF. TO GROUND CIRCUIT [GND(L)-03]
B: B283 AUTO A/C CONTROL MODULE
F78 (BLACK)
i88
i97
B361 (GRAY)
F108
B38
B: B283
C: B281 HR
B: B280 HR

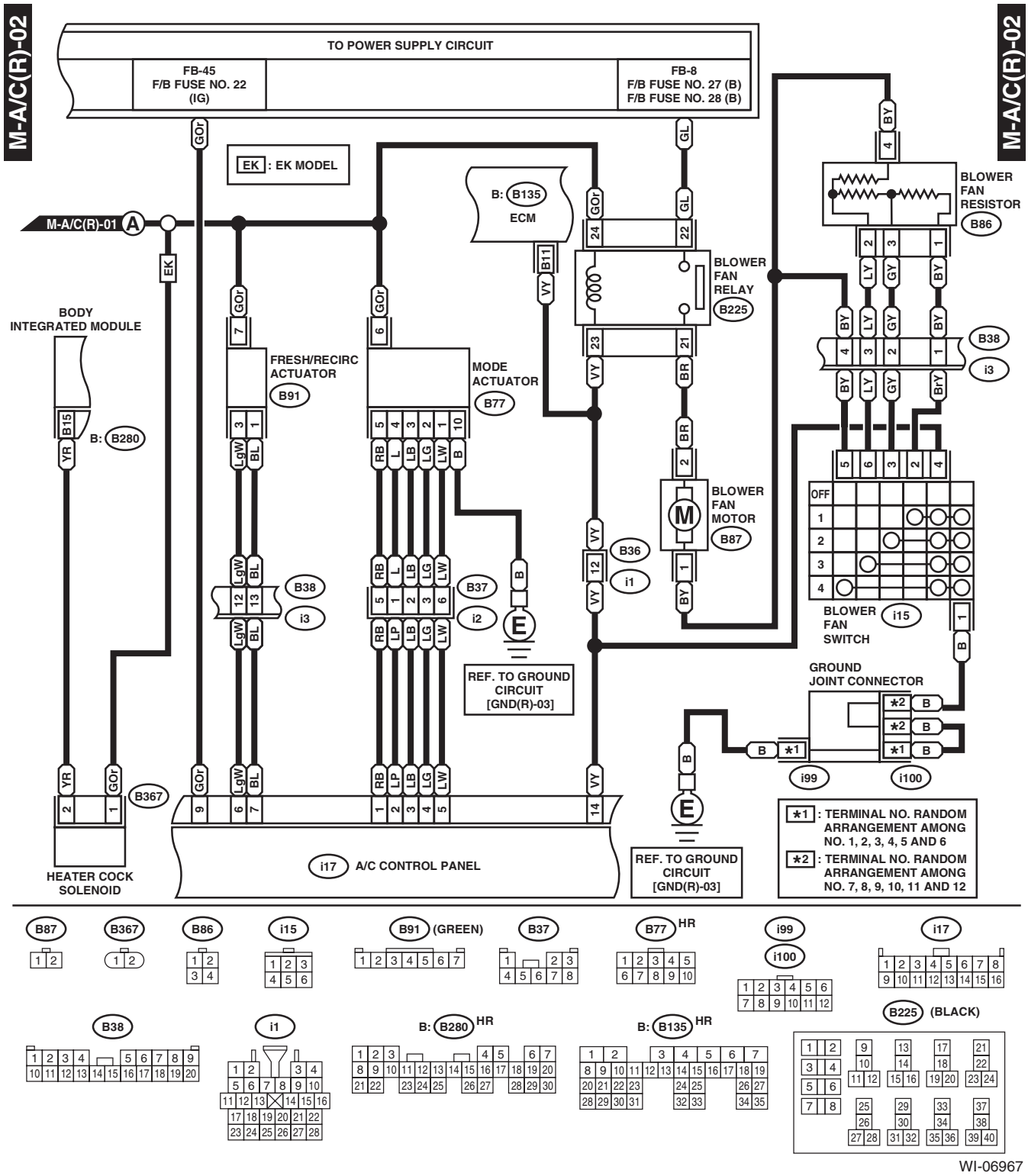
WI-07544


A-A/C(L)-04
A-A/C(L)-04
A: B282 B: B283 AUTO A/C CONTROL MODULE
A6 A8 A5 A13 B18 B8 A4 B7 B17 A3 A15 A14 A16
YB WL WG BrW Br PG BL RB LW WR Sb BY BY
B38
i3
i51
i55
B88
B235
B77
E
SUNLOAD SENSOR
IN VEHICLE TEMPERATURE SENSOR
EVAPORATION THERMO SWITCH
AIR MIX ACTUATOR
MODE ACTUATOR
REF. TO GROUND CIRCUIT [GND(L)-03]
B88
i51
i55
B77 HR
B235 (GREEN)
A: B282
B38
B: B283

WI-06966

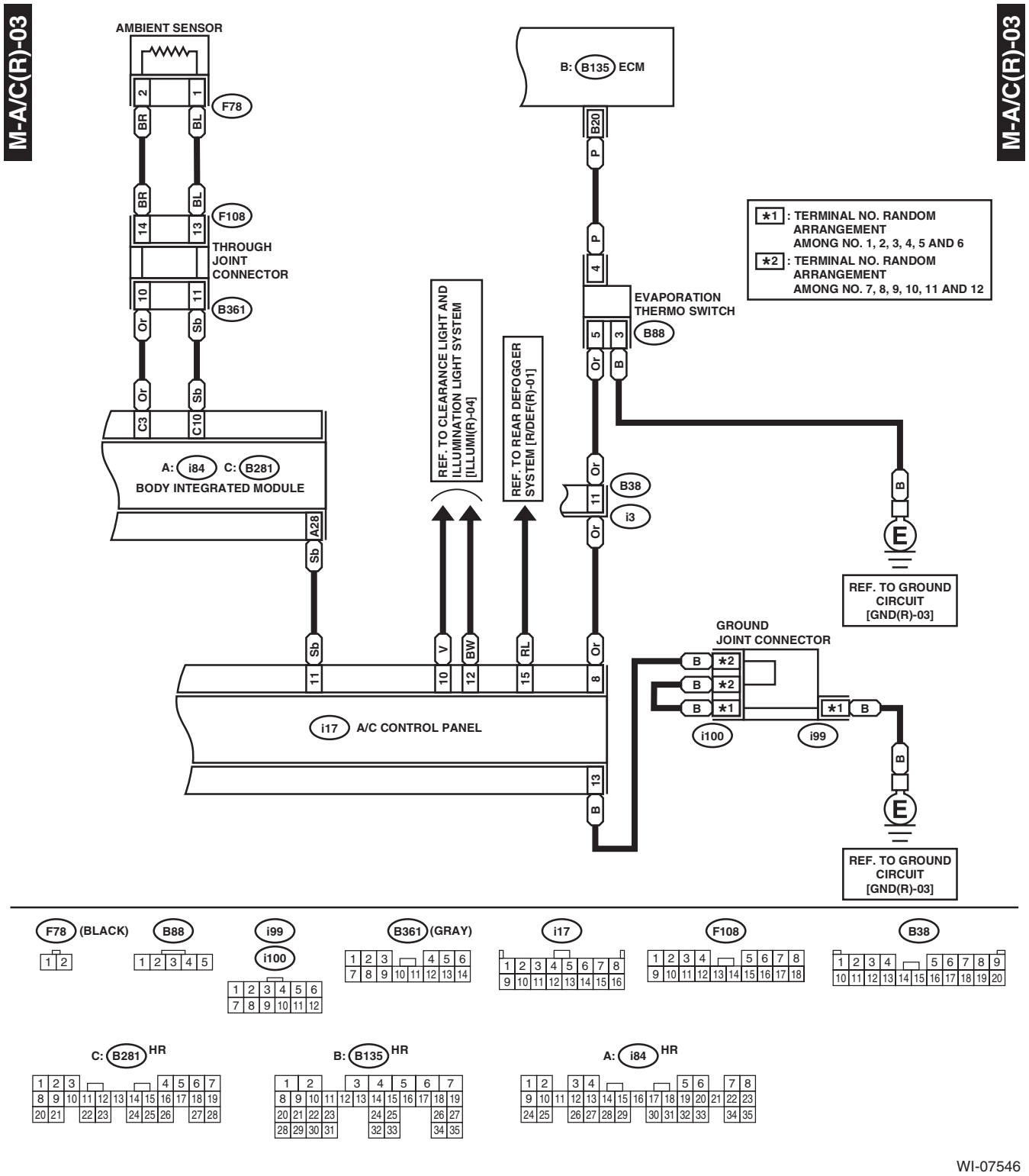
3. MANUAL A/C RHD MODEL




M-A/C(R)-02
M-A/C(R)-02
TO POWER SUPPLY CIRCUIT
FB-45
F/B FUSE NO. 22
(IG)
FB-8
F/B FUSE NO. 27 (B)
F/B FUSE NO. 28 (B)
EK : EK MODEL
M-A/C(R)-01 A
B: B135
ECM
BLOWER FAN RESISTOR
B86
BLOWER FAN RELAY
B225
BODY INTEGRATED MODULE
B: B280
FRESH/RECIRC ACTUATOR
B91
MODE ACTUATOR
B77
BLOWER FAN MOTOR
B87
B36
i1
B38
i3
B37
i2
BLOWER FAN SWITCH
i15
GROUND JOINT CONNECTOR
i99
i100
REF. TO GROUND CIRCUIT [GND(R)-03]
REF. TO GROUND CIRCUIT [GND(R)-03]
HEATER COCK SOLENOID
B367
i17 A/C CONTROL PANEL
*1 : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 1, 2, 3, 4, 5 AND 6
*2 : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 7, 8, 9, 10, 11 AND 12
B87
B367
B86
i15
B91 (GREEN)
B37
B77 HR
i99
i100
i17
B38
i1
B: B280 HR
B: B135 HR
B225 (BLACK)

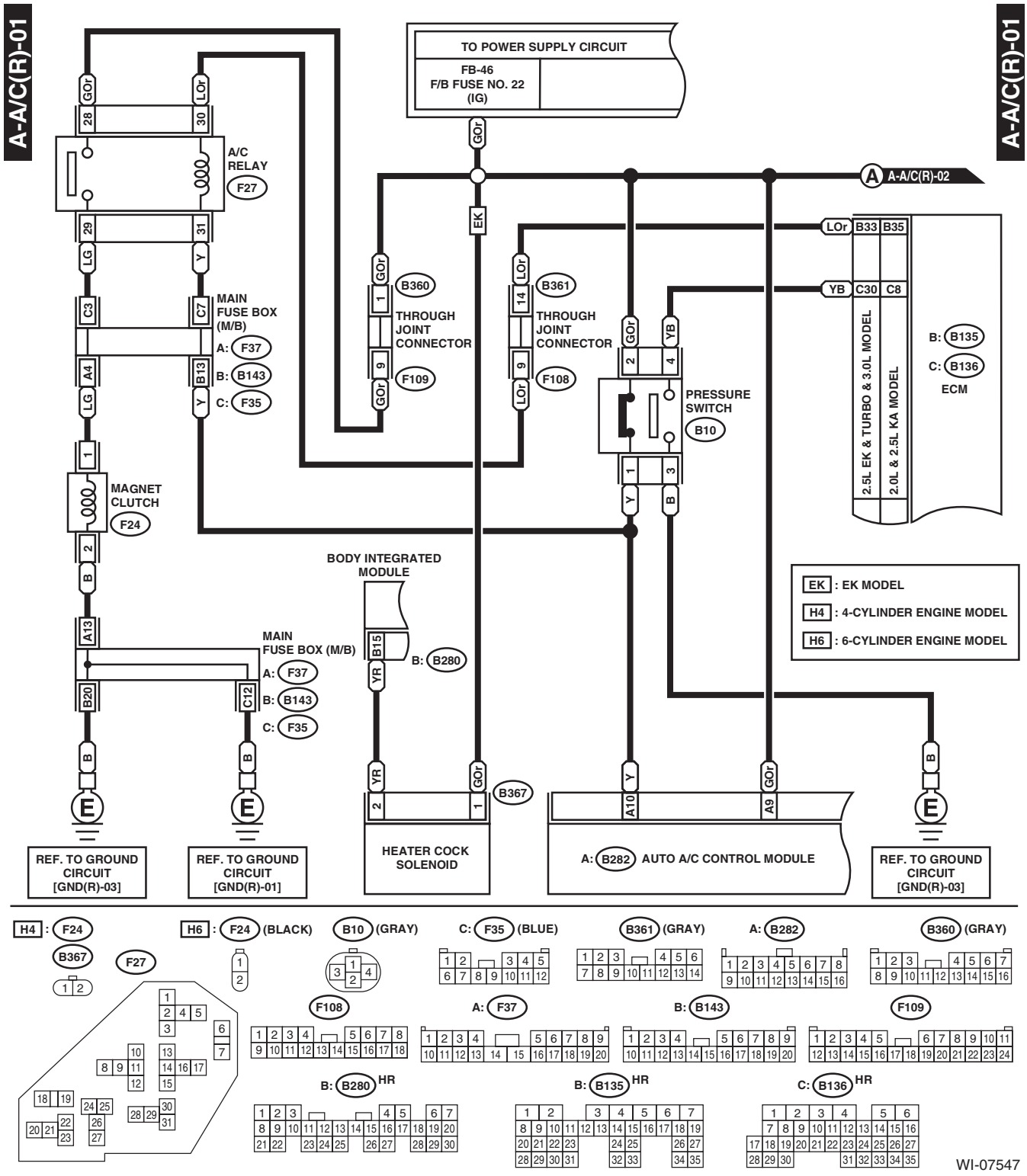
WI-06967

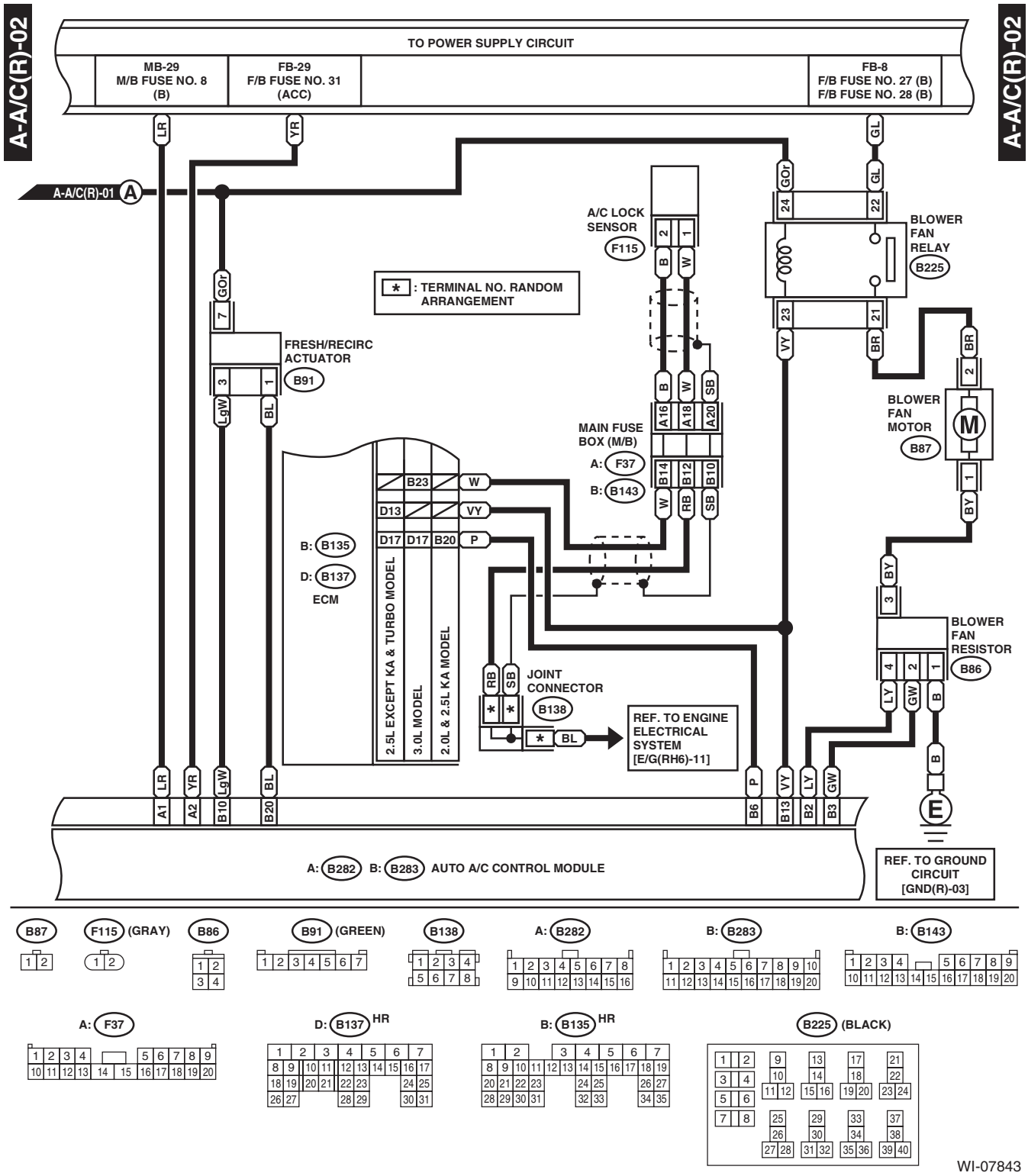
M-A/C(R)-03



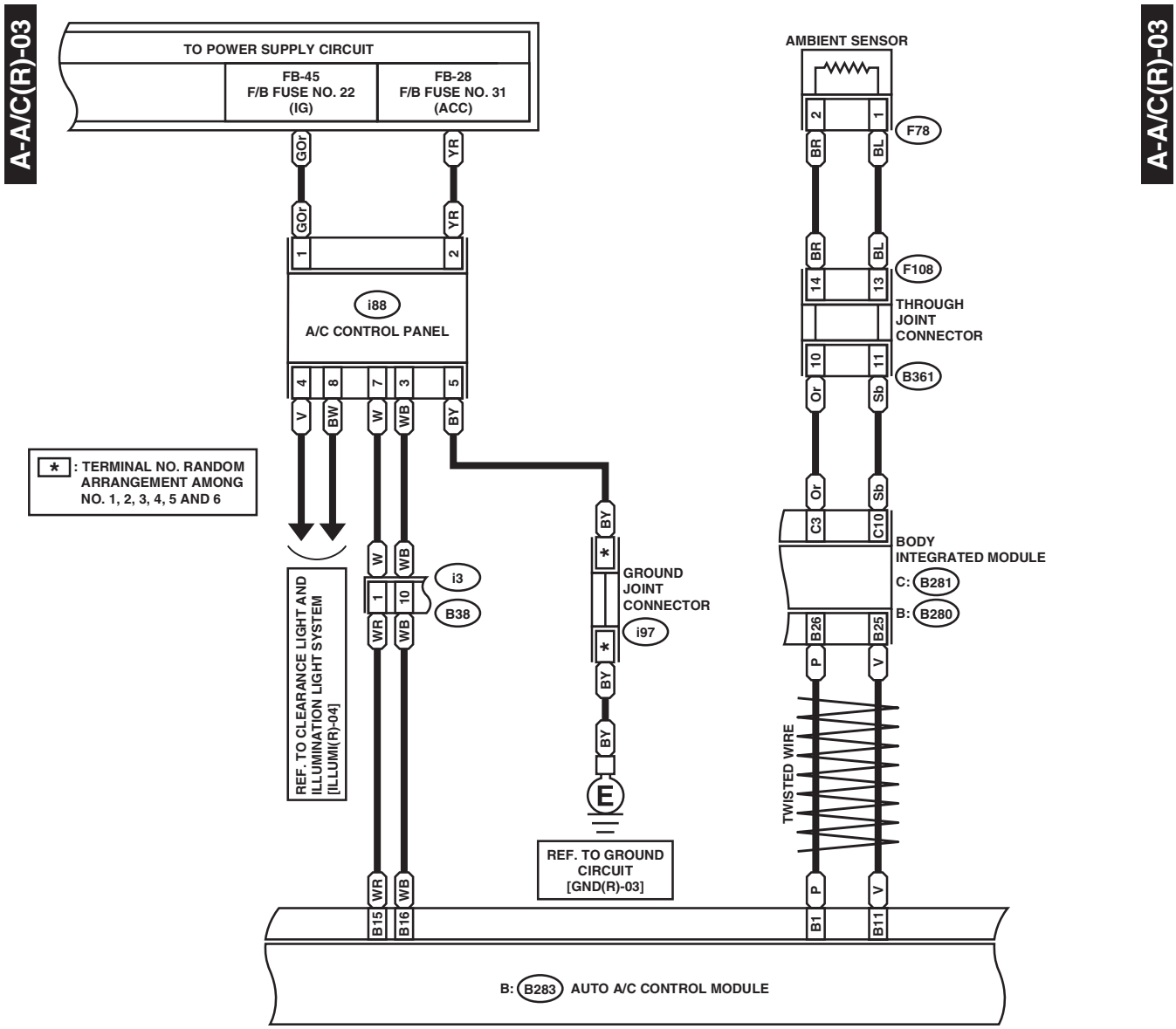
WI-07546

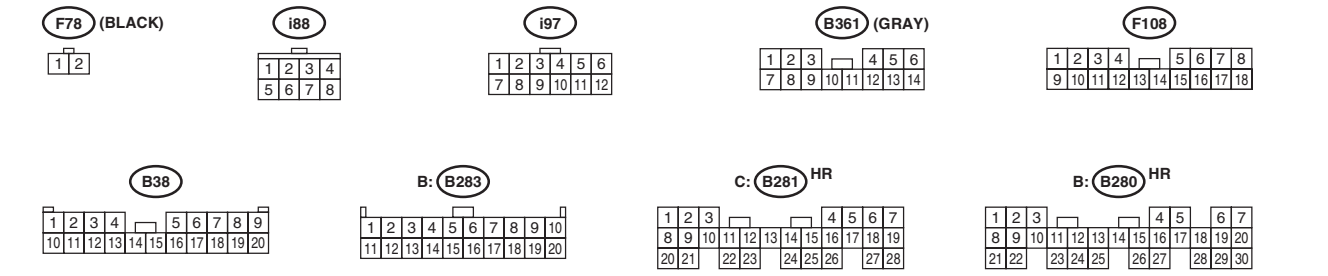
4. AUTO A/C RHD MODEL



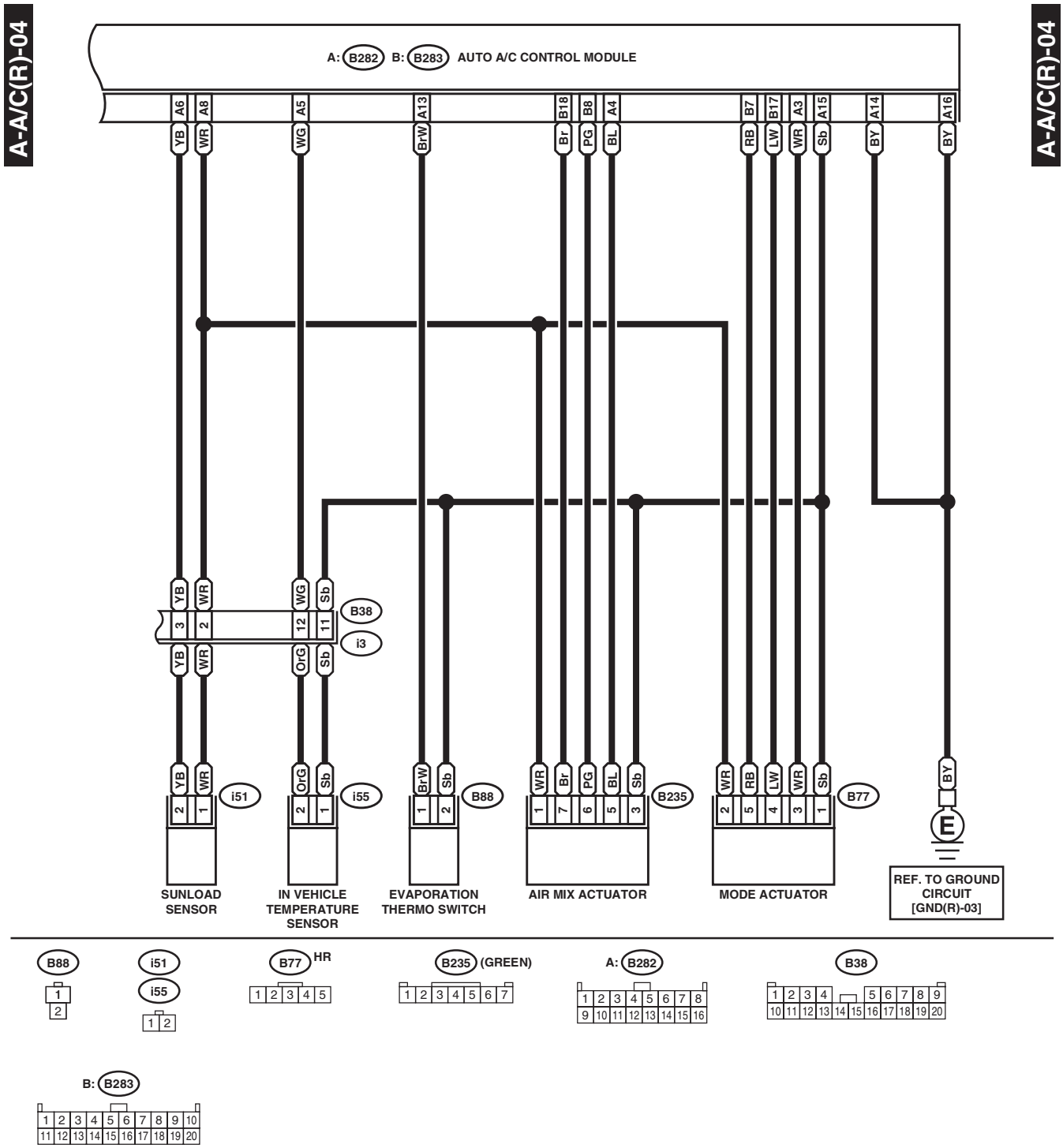

A-A/C(R)-02
TO POWER SUPPLY CIRCUIT
MB-29
M/B FUSE NO. 8
(B)
FB-29
F/B FUSE NO. 31
(ACC)
FB-8
F/B FUSE NO. 27 (B)
F/B FUSE NO. 28 (B)
A-A/C(R)-01
A/C LOCK SENSOR
F115
BLOWER FAN RELAY
B225
: TERMINAL NO. RANDOM ARRANGEMENT
FRESH/RECIRC ACTUATOR
B91
BLOWER FAN MOTOR
B87
MAIN FUSE BOX (M/B)
A: F37
B: B143
B: B135
D: B137
ECM
2.5L EXCEPT KA & TURBO MODEL
3.0L MODEL
2.0L & 2.5L KA MODEL
BLOWER FAN RESISTOR
B86
JOINT CONNECTOR
B138
REF. TO ENGINE ELECTRICAL SYSTEM [E/G(RH6)-11]
A: B282 B: B283 AUTO A/C CONTROL MODULE
REF. TO GROUND CIRCUIT [GND(R)-03]
B87
F115 (GRAY)
B86
B91 (GREEN)
B138
A: B282
B: B283
B: B143
A: F37
D: B137 HR
B: B135 HR
B225 (BLACK)

WI-07843


A-A/C(R)-03
A-A/C(R)-03
TO POWER SUPPLY CIRCUIT
FB-45
F/B FUSE NO. 22
(IG)
FB-28
F/B FUSE NO. 31
(ACC)
AMBIENT SENSOR
F78
i88
A/C CONTROL PANEL
F108
THROUGH
JOINT
CONNECTOR
B361
* : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 1, 2, 3, 4, 5 AND 6
i3
B38
GROUND
JOINT
CONNECTOR
i97
BODY
INTEGRATED MODULE
C: B281
B: B280
REF. TO CLEARANCE LIGHT AND ILLUMINATION LIGHT SYSTEM [ILLUMI(R)-04]
TWISTED WIRE
REF. TO GROUND CIRCUIT [GND(R)-03]
B: B283 AUTO A/C CONTROL MODULE


F78 (BLACK)
i88
i97
B361 (GRAY)
F108
B38
B: B283
C: B281 HR
B: B280 HR

WI-07549

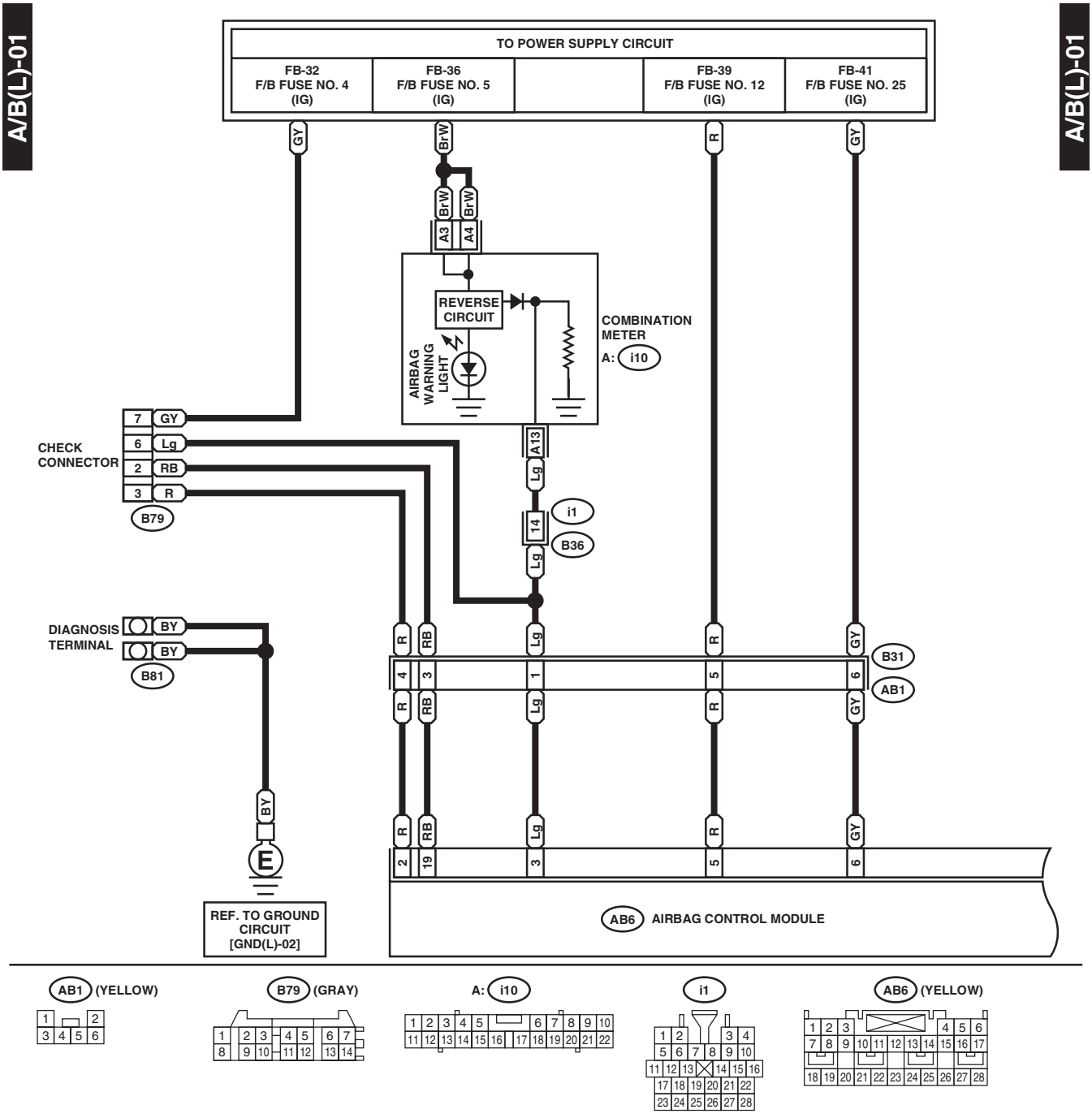

A-A/C(R)-04
A-A/C(R)-04
A: B282 B: B283 AUTO A/C CONTROL MODULE
A6 A8 A5 A13 B18 B8 A4 B7 B17 A3 A15 A14 A16
YB WR WG BrW Br PG BL RB LW WR Sb BY BY
B38
i3
i51
i55
B88
B235
B77
SUNLOAD SENSOR
IN VEHICLE TEMPERATURE SENSOR
EVAPORATION THERMO SWITCH
AIR MIX ACTUATOR
MODE ACTUATOR
REF. TO GROUND CIRCUIT [GND(R)-03]
B88
i51
i55
B77 HR
B235 (GREEN)
A: B282
B38
B: B283

WI-06968

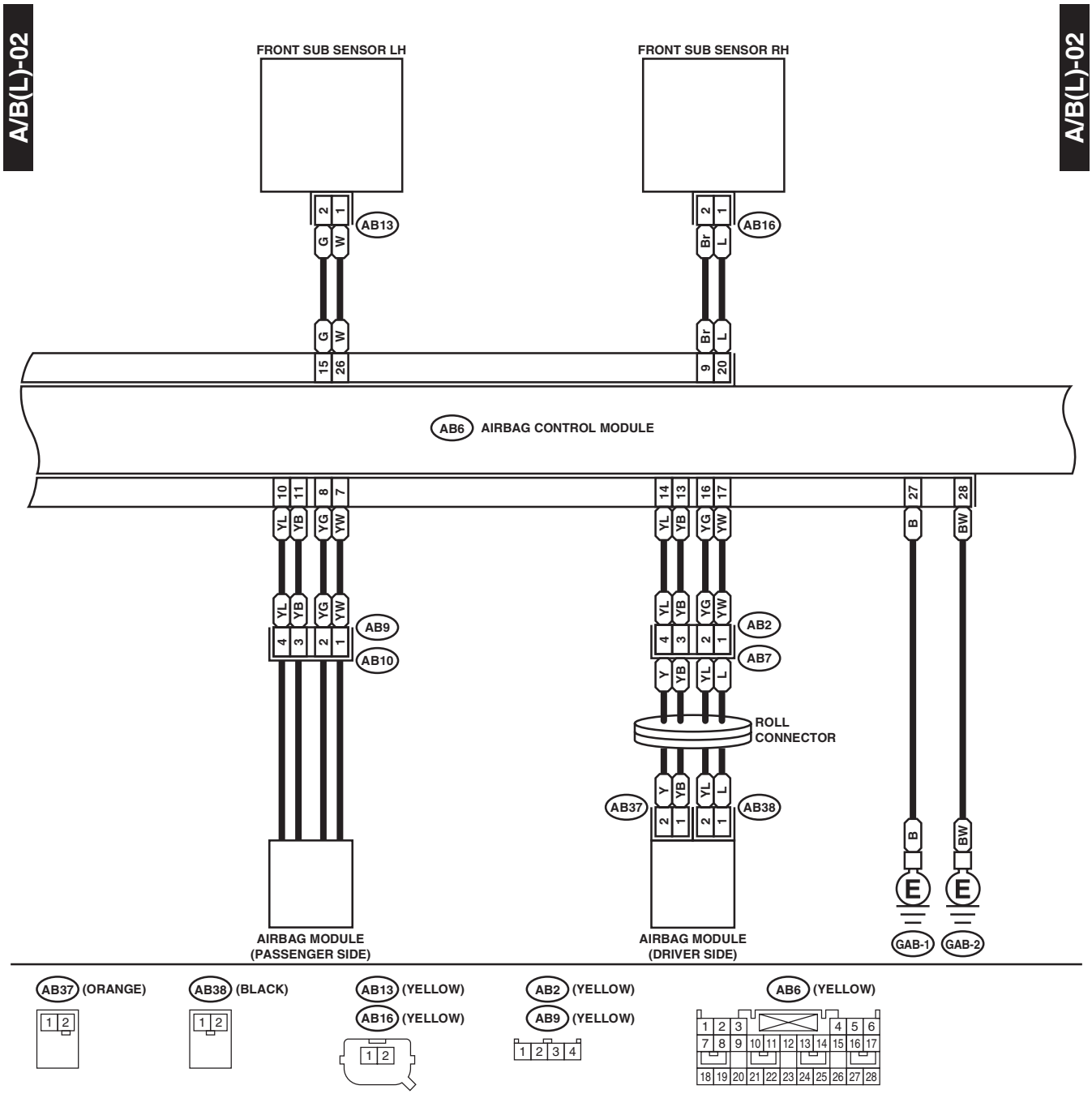
11.Airbag System

A: WIRING DIAGRAM

1. LHD MODEL

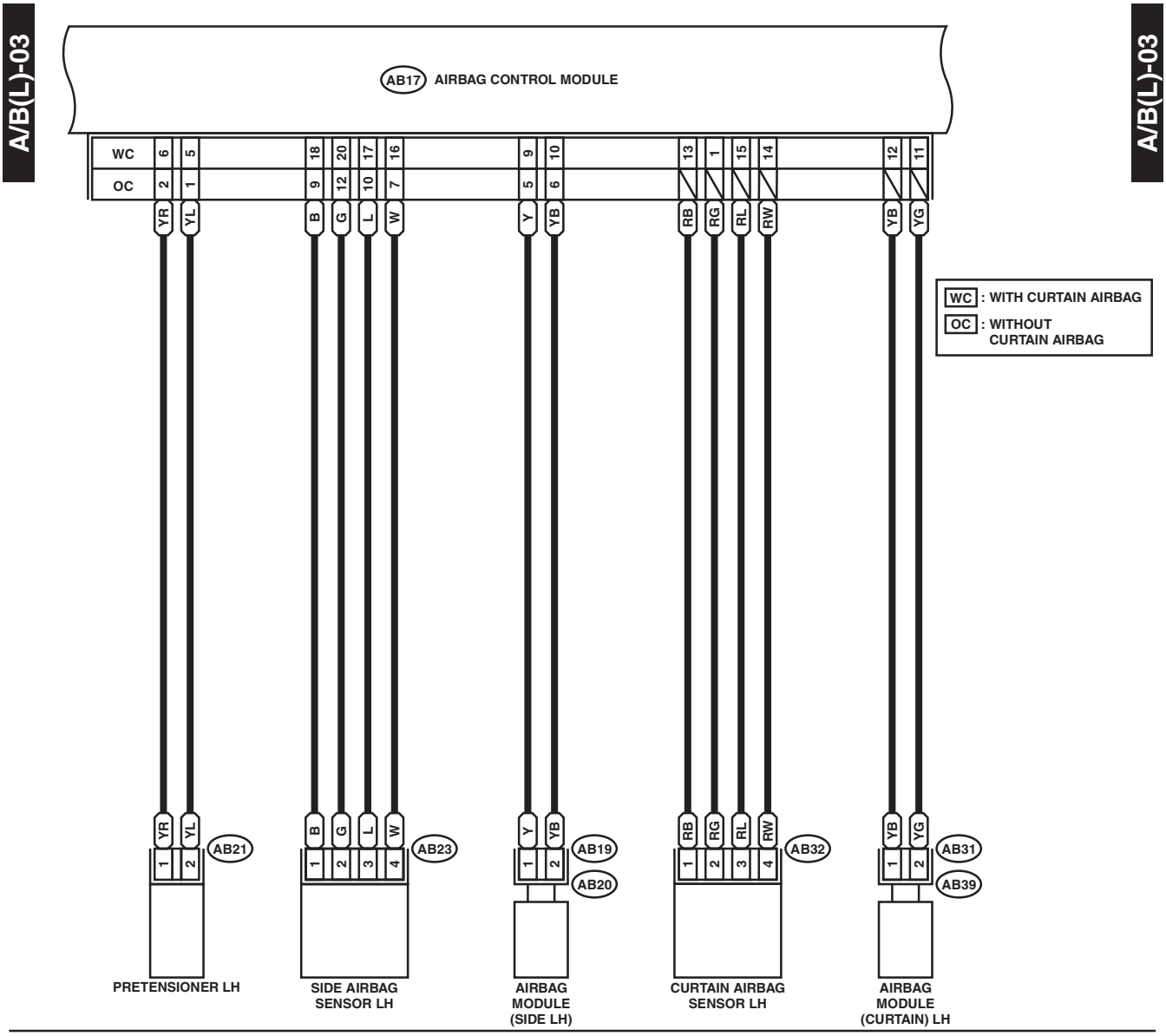


WI-06969


A/B(L)-02
A/B(L)-02
FRONT SUB SENSOR LH
FRONT SUB SENSOR RH
AB13
AB16
AB6 AIRBAG CONTROL MODULE
AB9
AB10
AB2
AB7
ROLL CONNECTOR
AB37
AB38
AIRBAG MODULE (PASSENGER SIDE)
AIRBAG MODULE (DRIVER SIDE)
GAB-1
GAB-2
AB37 (ORANGE)
AB38 (BLACK)
AB13 (YELLOW)
AB16 (YELLOW)
AB2 (YELLOW)
AB9 (YELLOW)
AB6 (YELLOW)

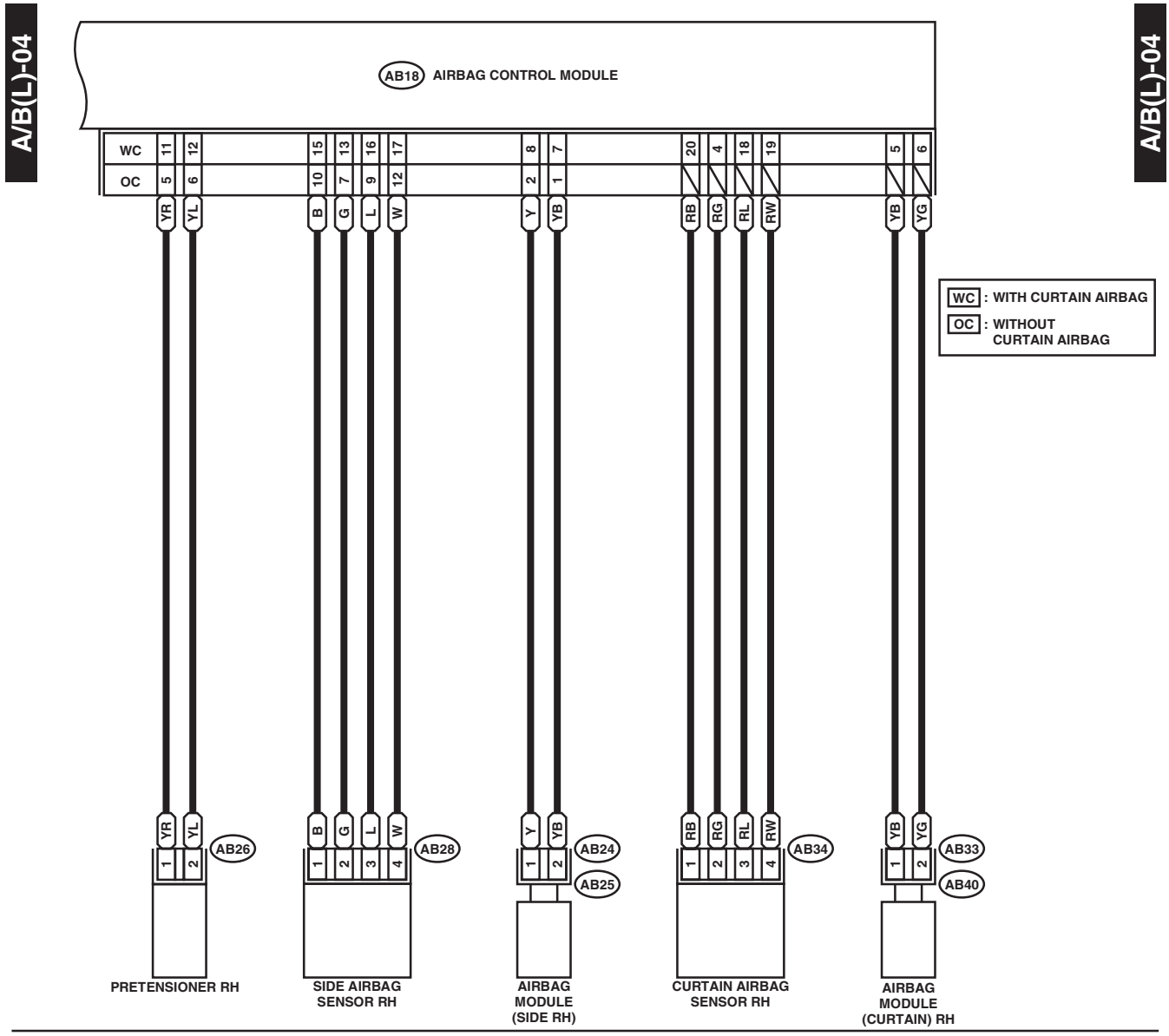
WI-07605

A/B(L)-03



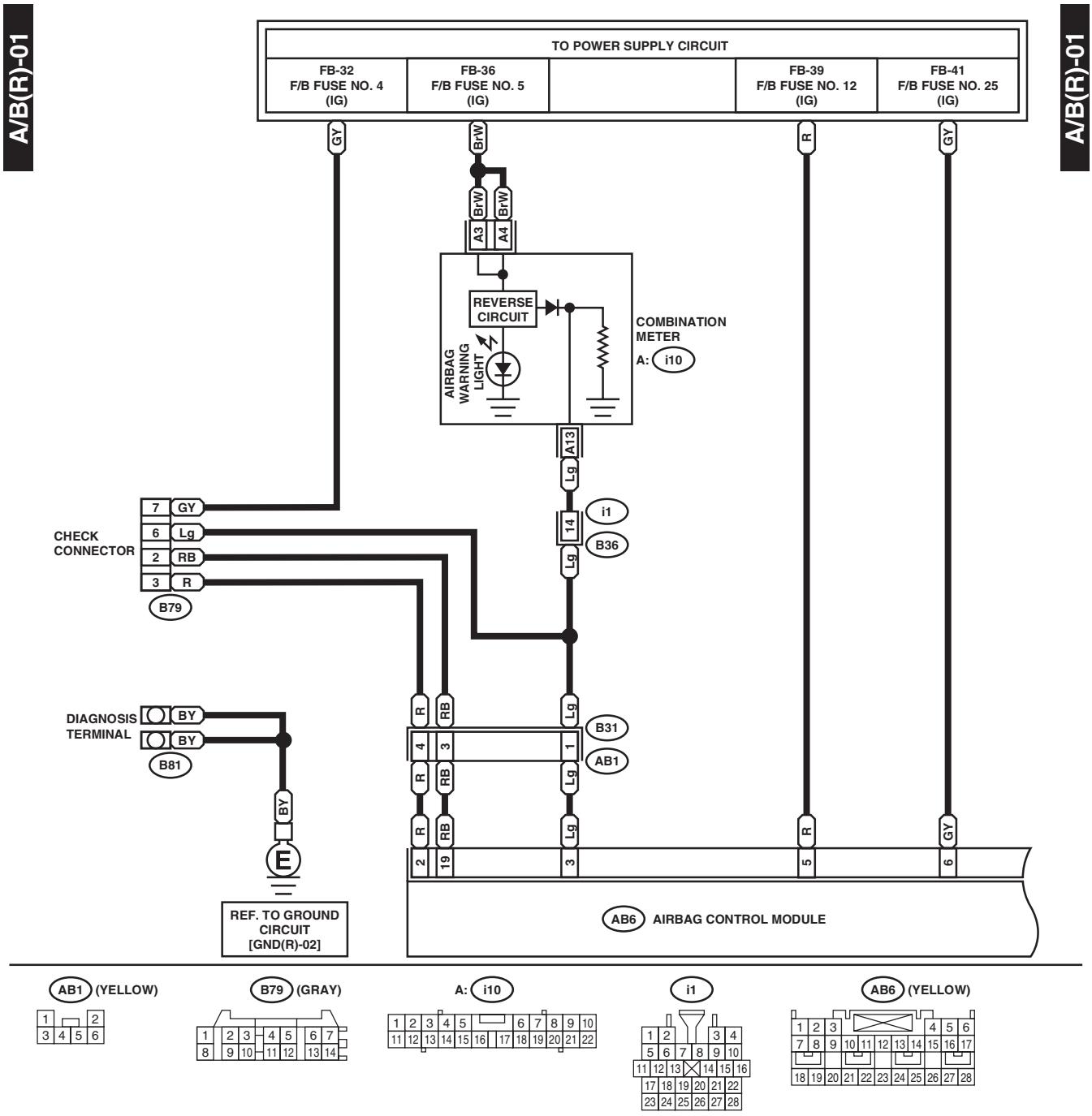
WI-07550

A/B(L)-04

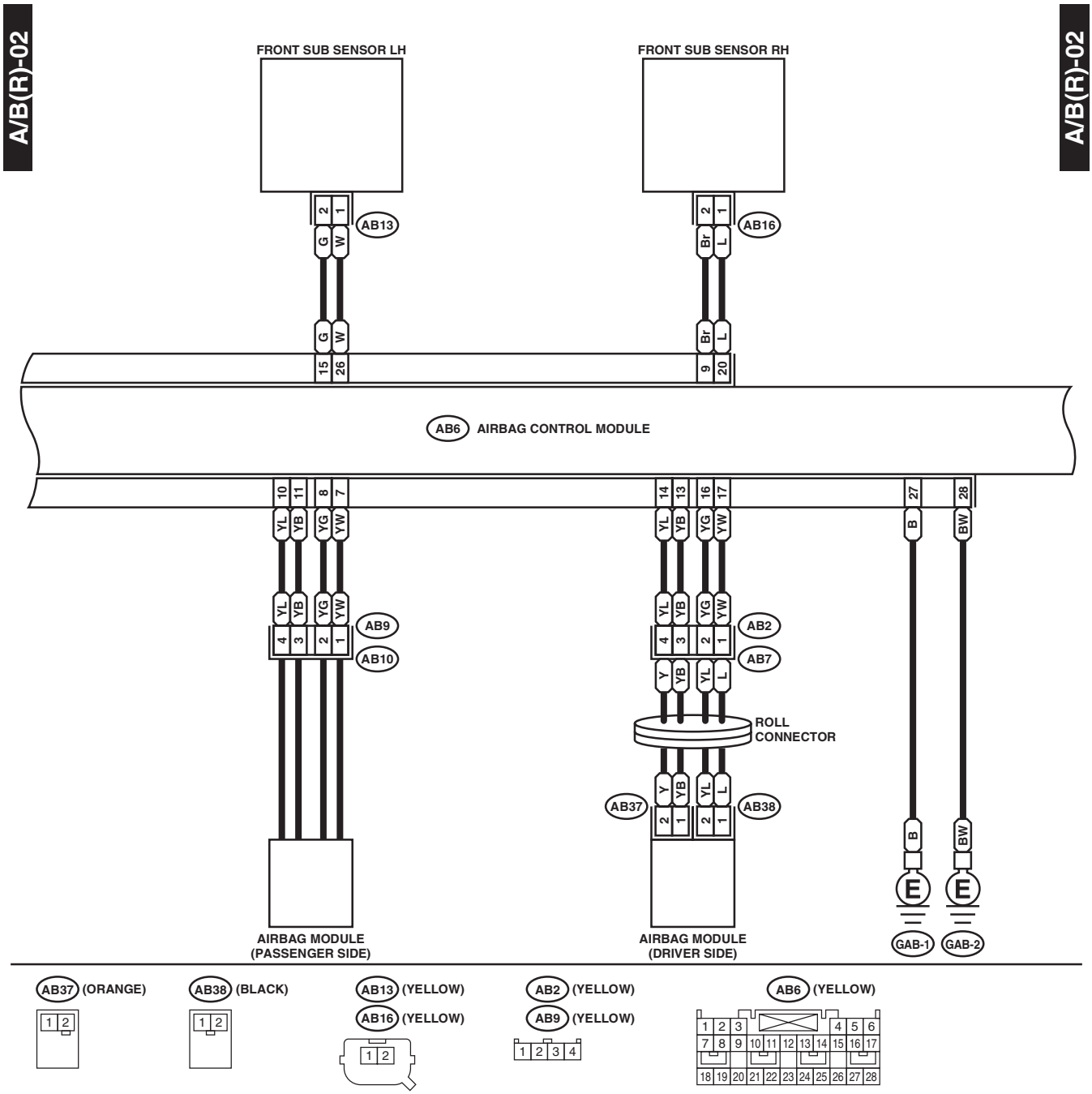


WI-07551

2. RHD MODEL

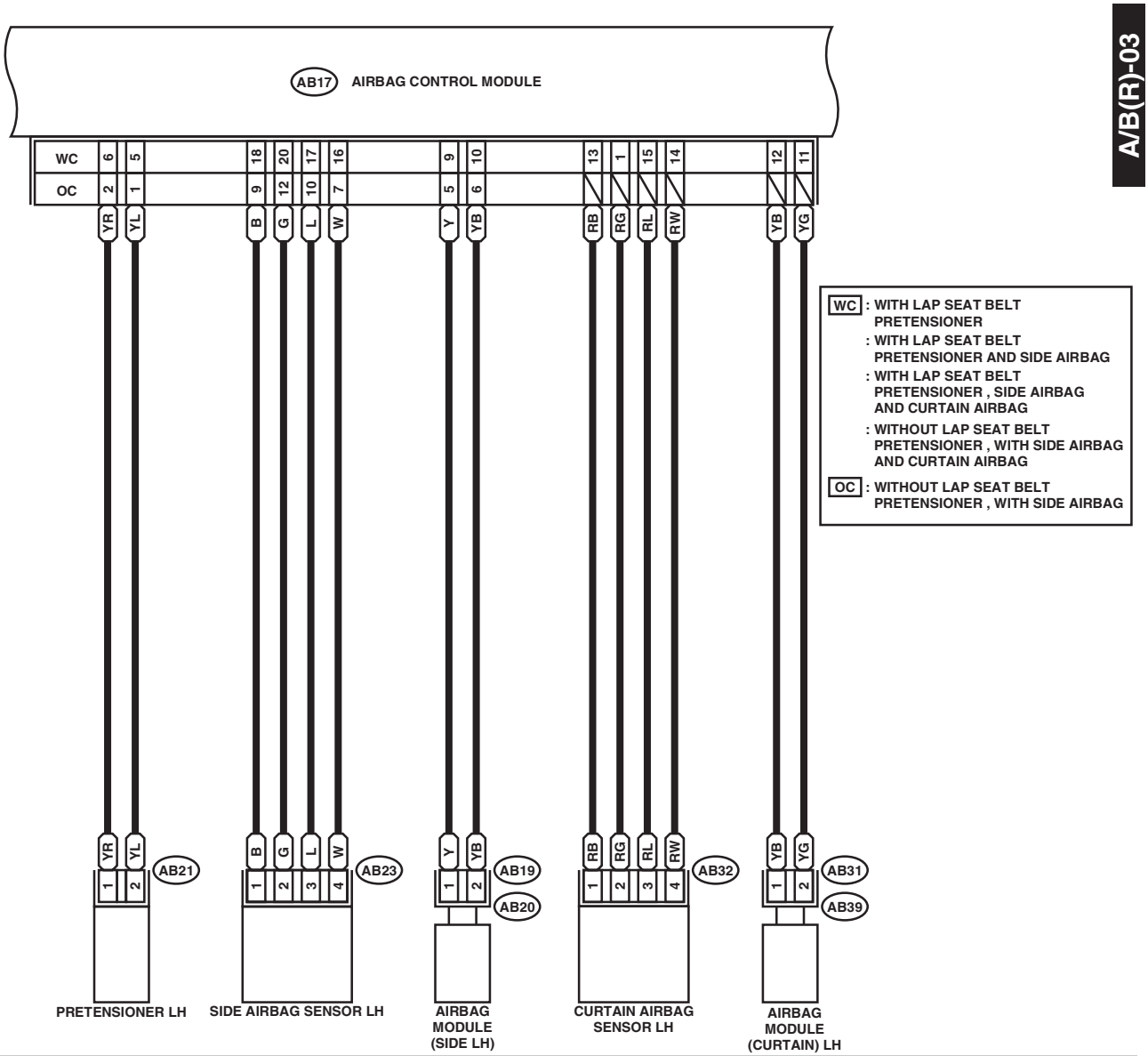


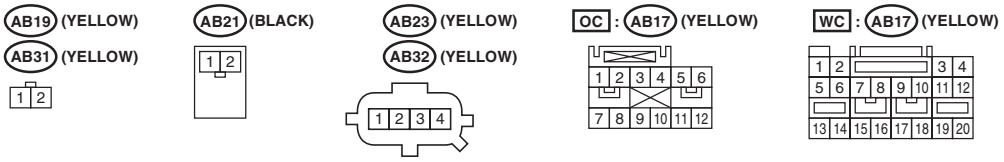
WI-07552


A/B(R)-02
A/B(R)-02
FRONT SUB SENSOR LH
FRONT SUB SENSOR RH
AB13
AB16
AB6 AIRBAG CONTROL MODULE
AB9
AB10
AB2
AB7
ROLL CONNECTOR
AB37
AB38
AIRBAG MODULE (PASSENGER SIDE)
AIRBAG MODULE (DRIVER SIDE)
GAB-1
GAB-2
AB37 (ORANGE)
AB38 (BLACK)
AB13 (YELLOW)
AB16 (YELLOW)
AB2 (YELLOW)
AB9 (YELLOW)
AB6 (YELLOW)

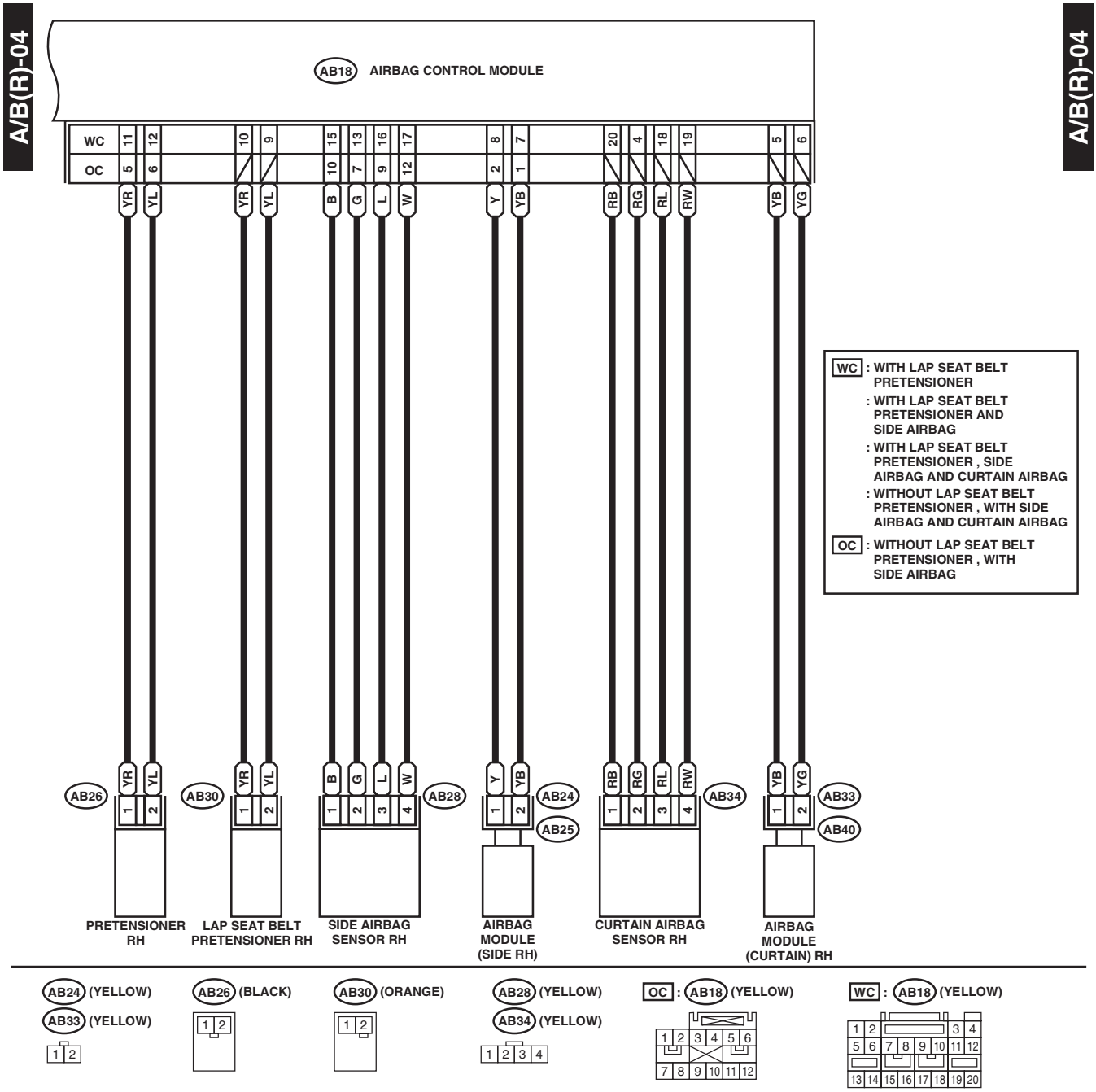
WI-07553

A/B(R)-03





WI-07554

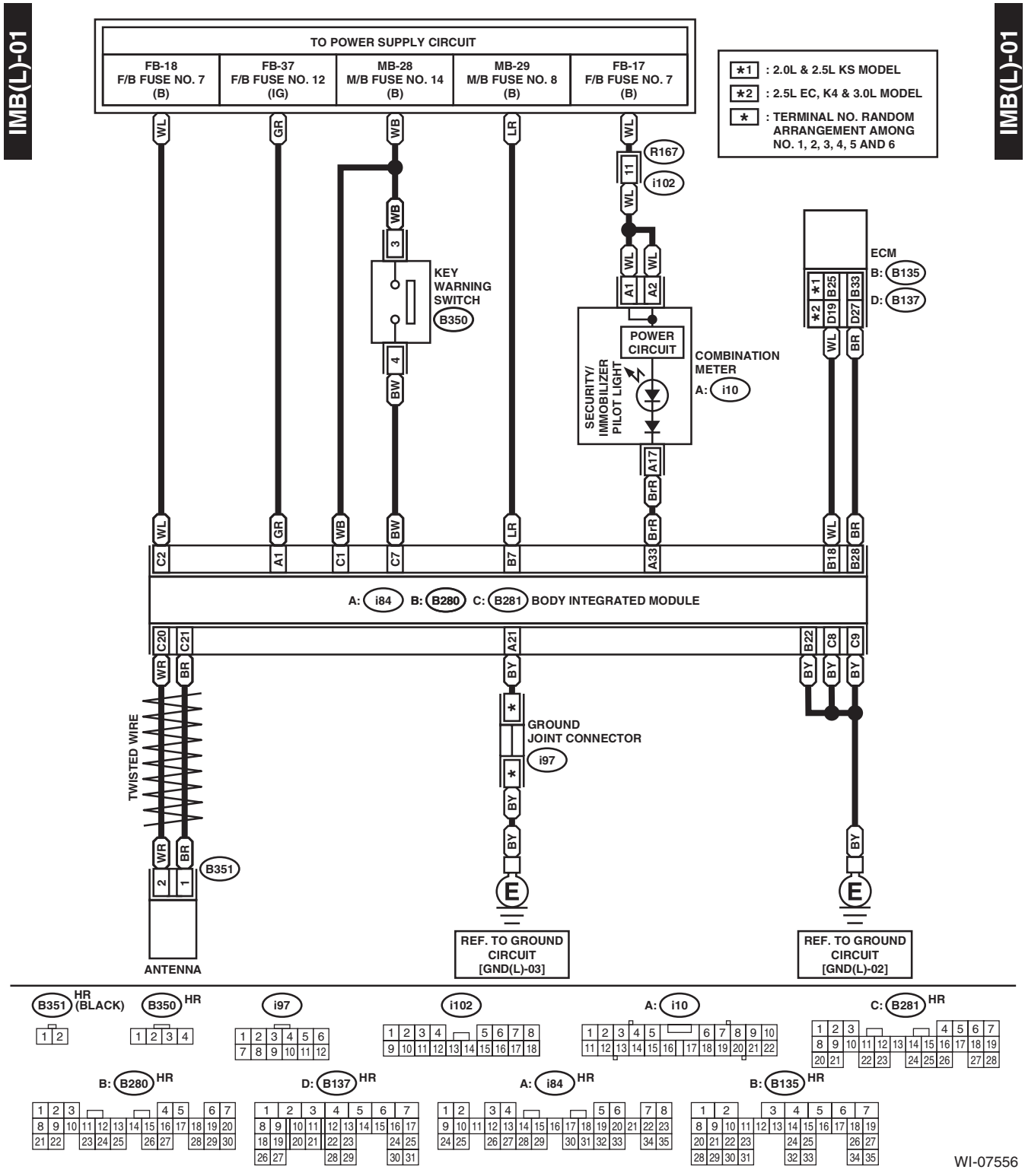

A/B(R)-04
A/B(R)-04
AB18 AIRBAG CONTROL MODULE
WC 11 12 10 9 15 13 16 17 8 7 20 4 18 19 5 6
OC 5 6 10 7 9 12 2 1
YR YL YR YL B G L W Y YB RB RG RL RW YB YG
WC : WITH LAP SEAT BELT PRETENSIONER
: WITH LAP SEAT BELT PRETENSIONER AND SIDE AIRBAG
: WITH LAP SEAT BELT PRETENSIONER , SIDE AIRBAG AND CURTAIN AIRBAG
: WITHOUT LAP SEAT BELT PRETENSIONER , WITH SIDE AIRBAG AND CURTAIN AIRBAG
OC : WITHOUT LAP SEAT BELT PRETENSIONER , WITH SIDE AIRBAG
AB26 AB30 AB28 AB24 AB25 AB34 AB33 AB40
PRETENSIONER RH
LAP SEAT BELT PRETENSIONER RH
SIDE AIRBAG SENSOR RH
AIRBAG MODULE (SIDE RH)
CURTAIN AIRBAG SENSOR RH
AIRBAG MODULE (CURTAIN) RH
AB24 (YELLOW)
AB33 (YELLOW)
AB26 (BLACK)
AB30 (ORANGE)
AB28 (YELLOW)
AB34 (YELLOW)
OC : AB18 (YELLOW)
WC : AB18 (YELLOW)

WI-07555

12.Immobilizer System

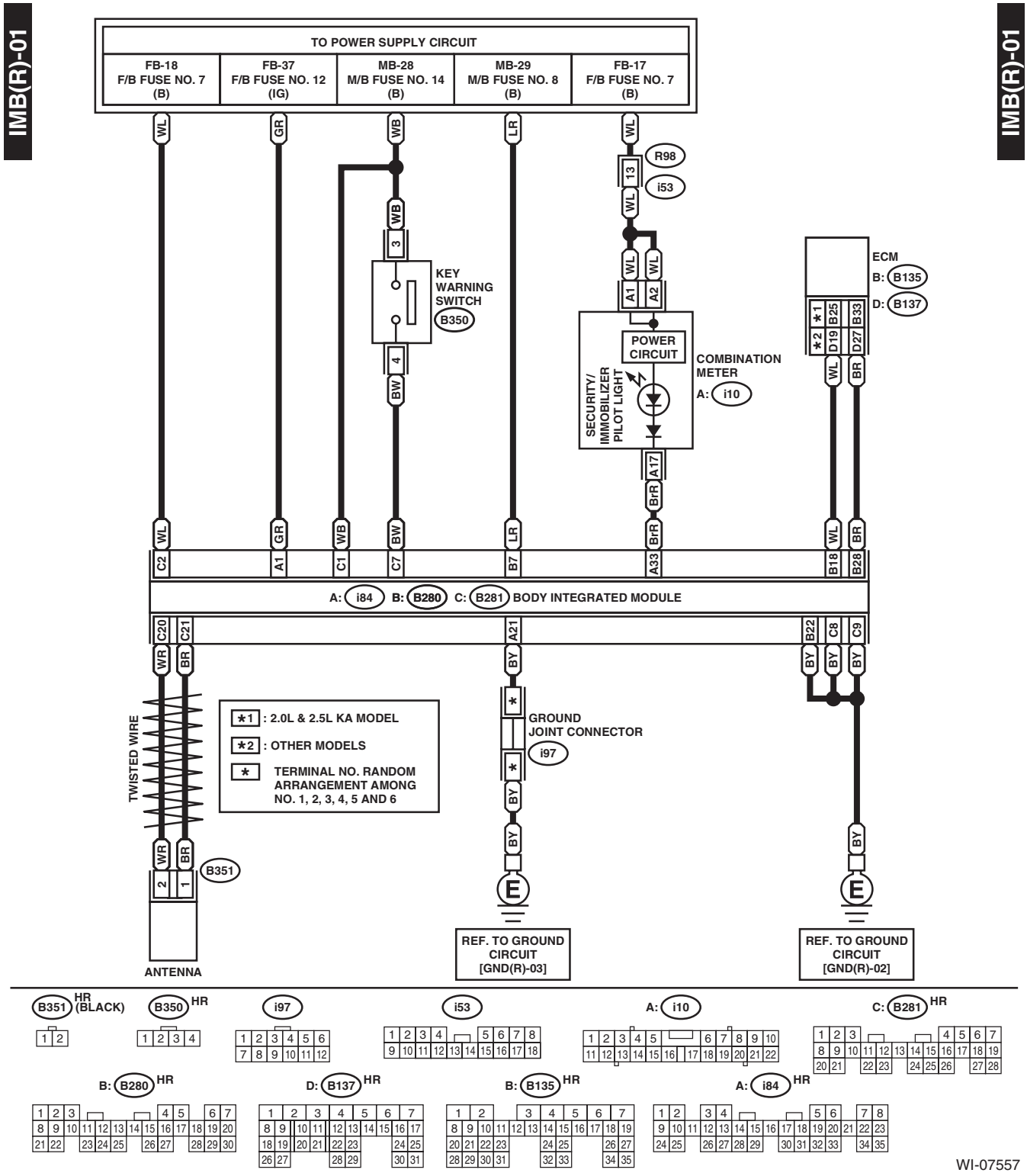
A: WIRING DIAGRAM

1. LHD MODEL



2. RHD MODEL

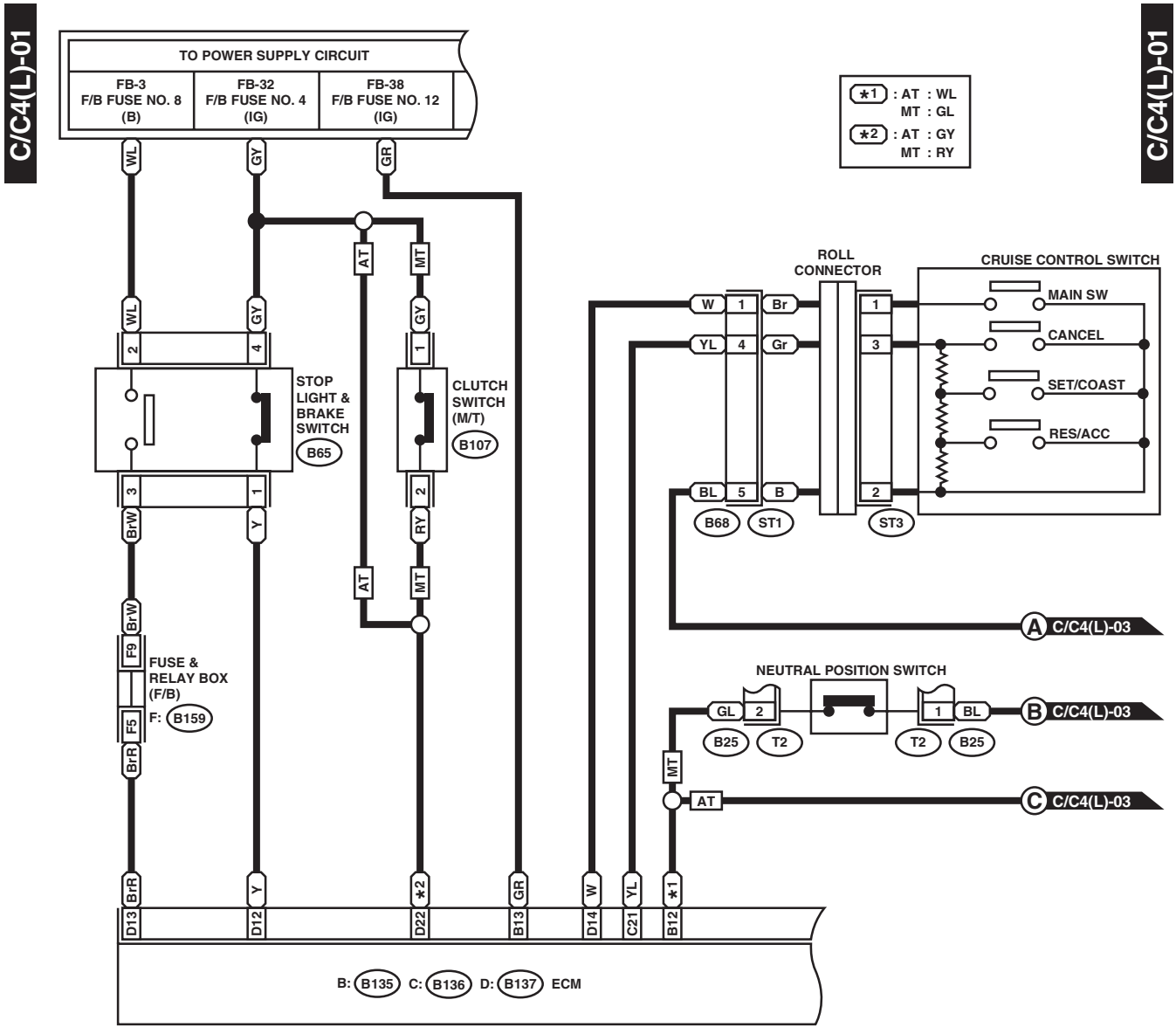
IMB(R)-01

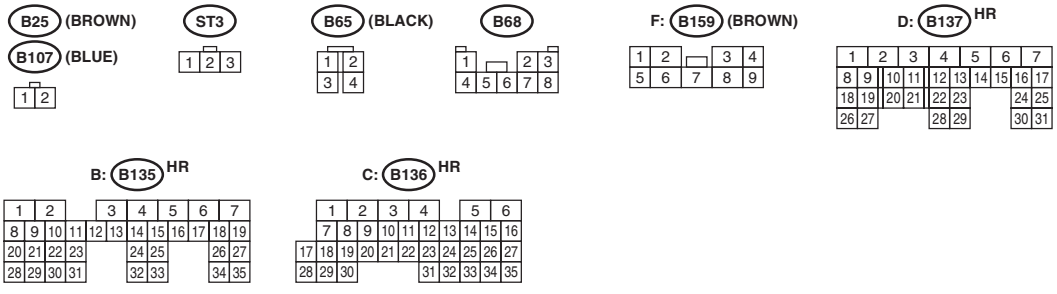


13.Cruise Control System

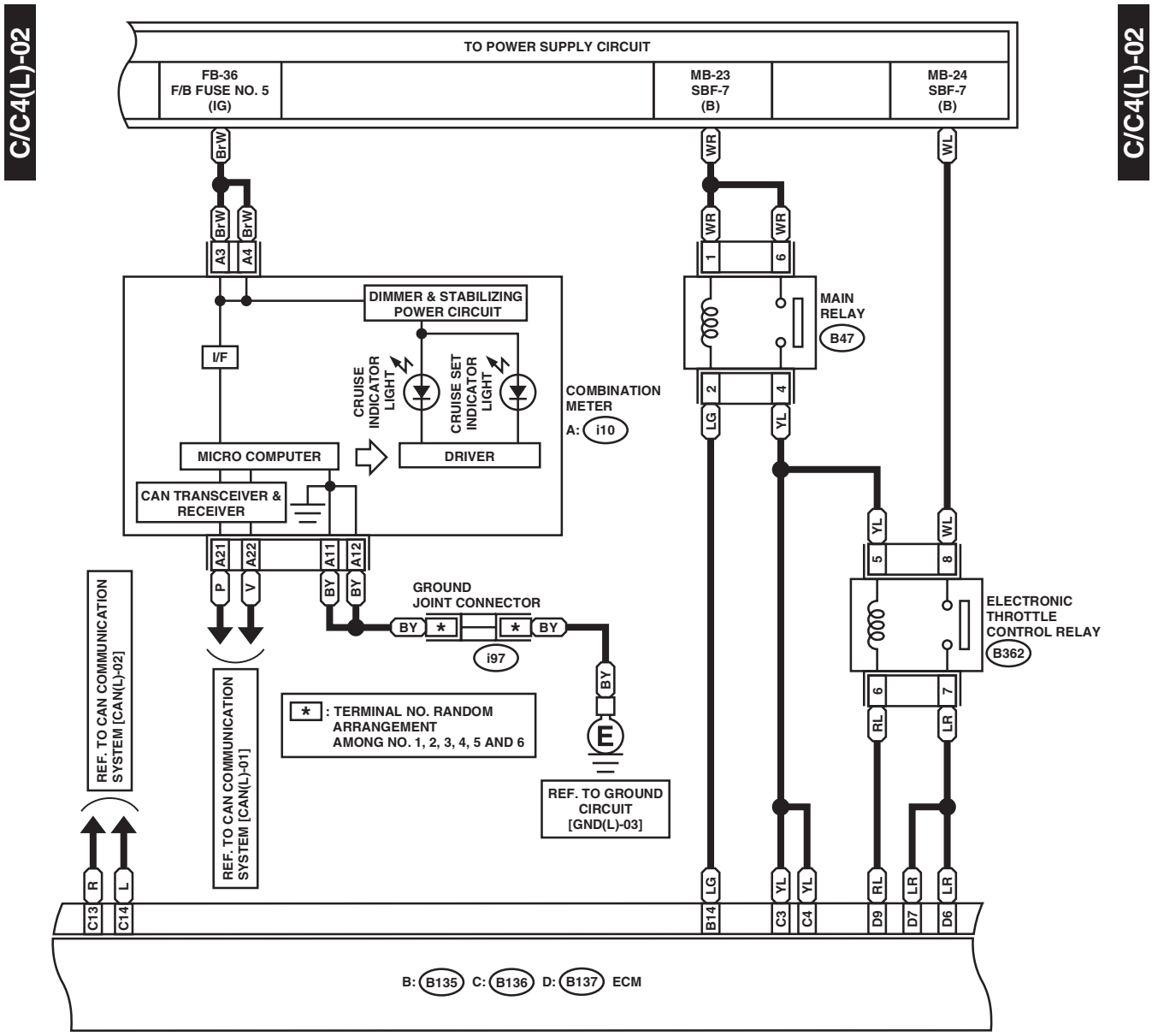
A: WIRING DIAGRAM

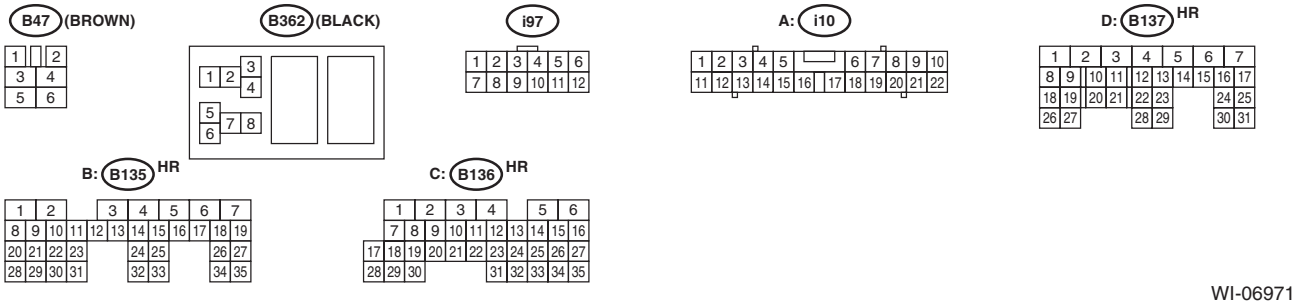
1. LHD 2.0 L MODEL AND 2.5 L KS MODEL



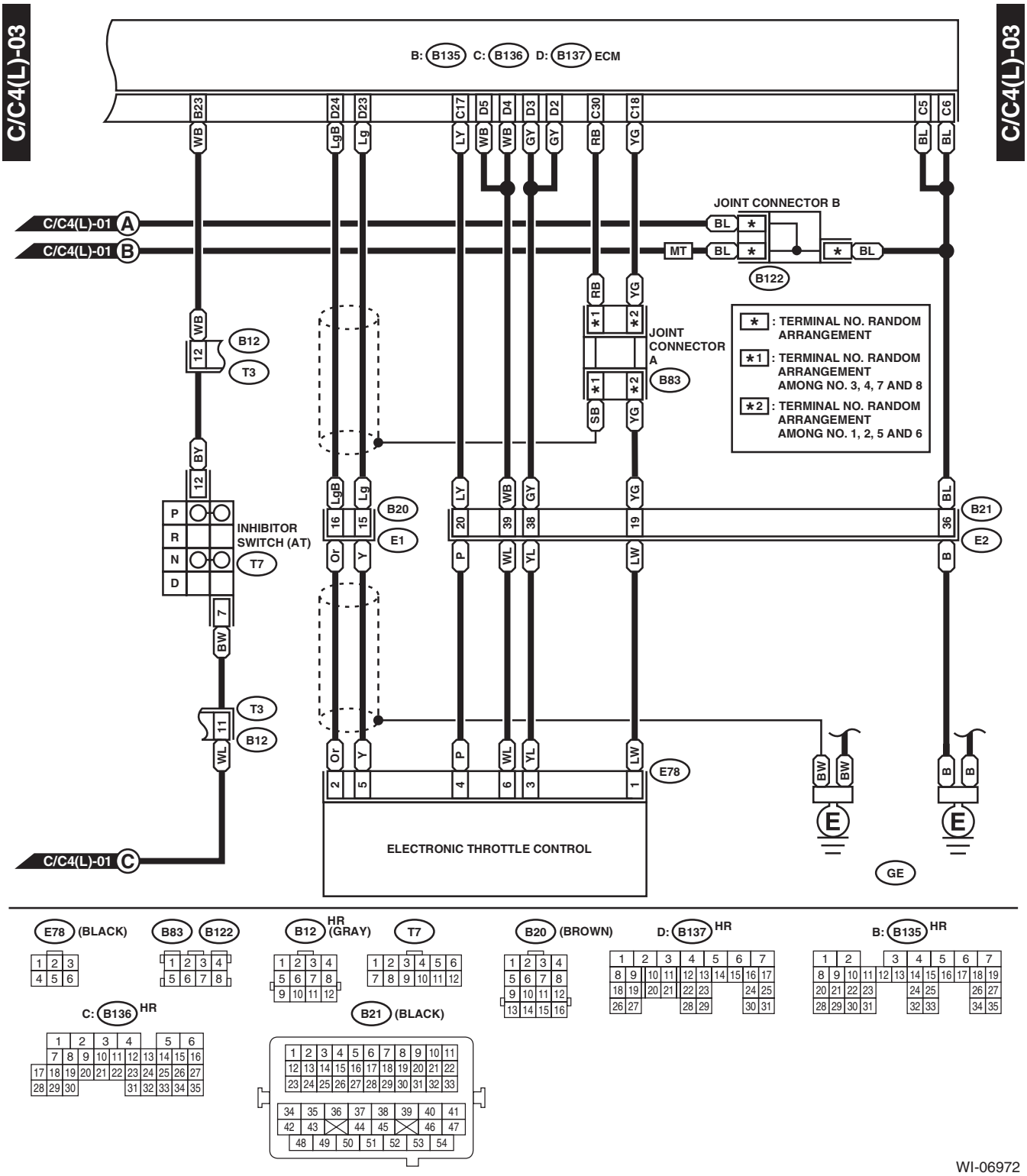


WI-06970


C/C4(L)-02
C/C4(L)-02
TO POWER SUPPLY CIRCUIT
FB-36
F/B FUSE NO. 5
(IG)
MB-23
SBF-7
(B)
MB-24
SBF-7
(B)
BrW
WR
WL
A3
A4
1
6
DIMMER & STABILIZING POWER CIRCUIT
I/F
CRUISE INDICATOR LIGHT
CRUISE SET INDICATOR LIGHT
COMBINATION METER
A: i10
MAIN RELAY
B47
2
4
LG
YL
MICRO COMPUTER
DRIVER
CAN TRANSCEIVER & RECEIVER
A21
A22
A11
A12
P
V
BY
5
8
GROUND JOINT CONNECTOR
i97
ELECTRONIC THROTTLE CONTROL RELAY
B362
6
7
RL
LR
REF. TO CAN COMMUNICATION SYSTEM [CAN(L)-02]
REF. TO CAN COMMUNICATION SYSTEM [CAN(L)-01]
* : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 1, 2, 3, 4, 5 AND 6
REF. TO GROUND CIRCUIT [GND(L)-03]
R
L
C13
C14
B14
C3
C4
D9
D7
D6
B: B135 C: B136 D: B137 ECM


B47 (BROWN)
B362 (BLACK)
i97
A: i10
D: B137 HR
B: B135 HR
C: B136 HR

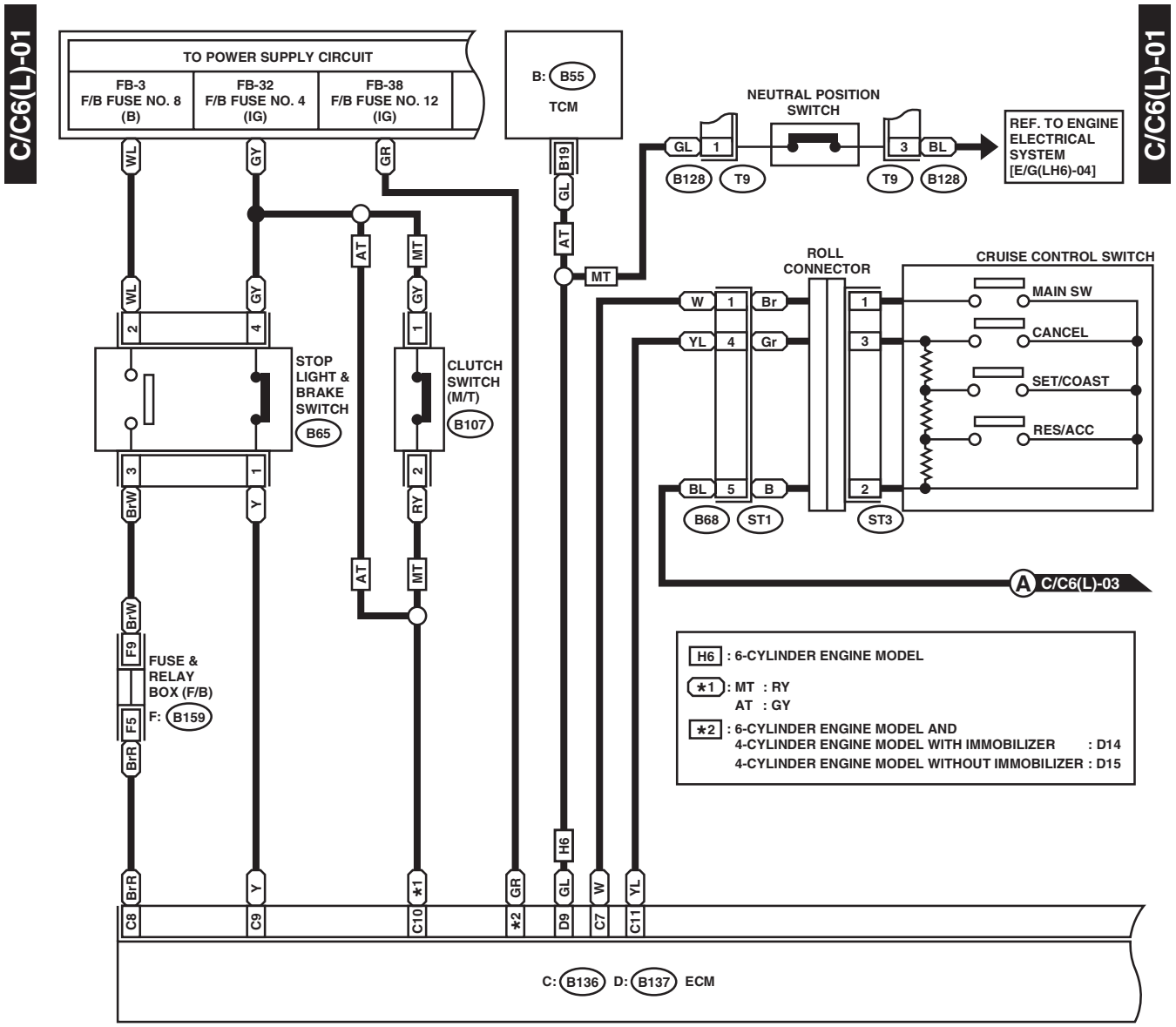
WI-06971

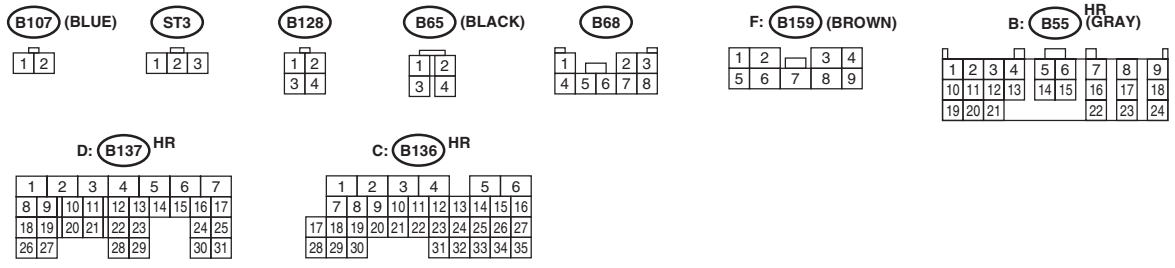

C/C4(L)-03
B: B135 C: B136 D: B137 ECM
JOINT CONNECTOR B
JOINT CONNECTOR A
B83
B122
B12
T3
B20
E1
B21
E2
INHIBITOR SWITCH (AT)
T7
E78
ELECTRONIC THROTTLE CONTROL
GE
C/C4(L)-01 A
C/C4(L)-01 B
C/C4(L)-01 C
* : TERMINAL NO. RANDOM ARRANGEMENT
*1 : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 3, 4, 7 AND 8
*2 : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 1, 2, 5 AND 6

E78 (BLACK)
B83
B122
B12 HR (GRAY)
T7
B20 (BROWN)
D: B137 HR
B: B135 HR
C: B136 HR
B21 (BLACK)

WI-06972

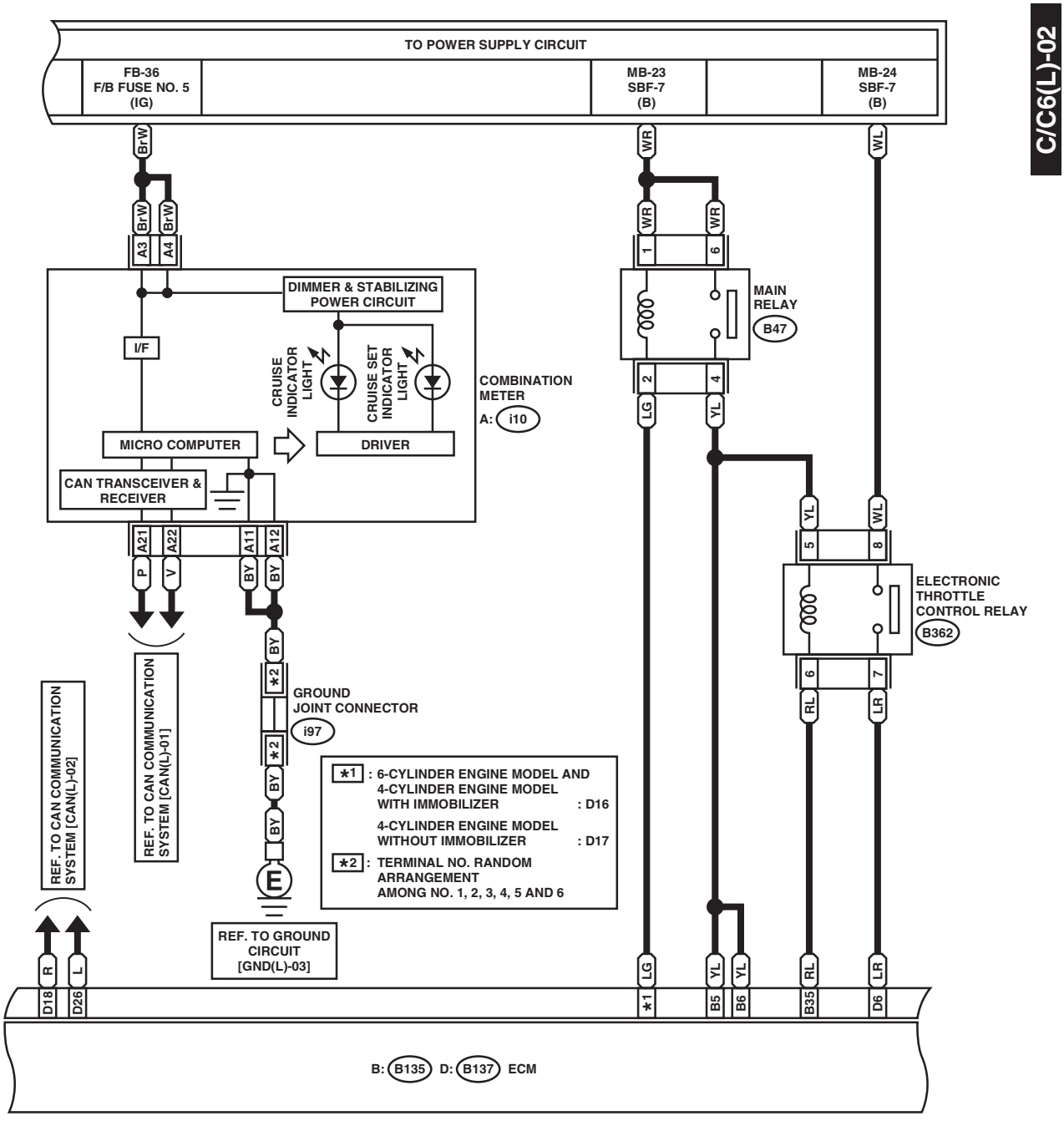
2. LHD 2.5 L EC, K4 MODEL AND 3.0 L MODEL

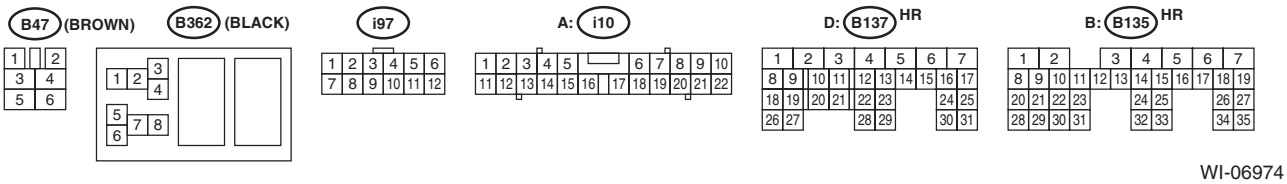




WI-06973

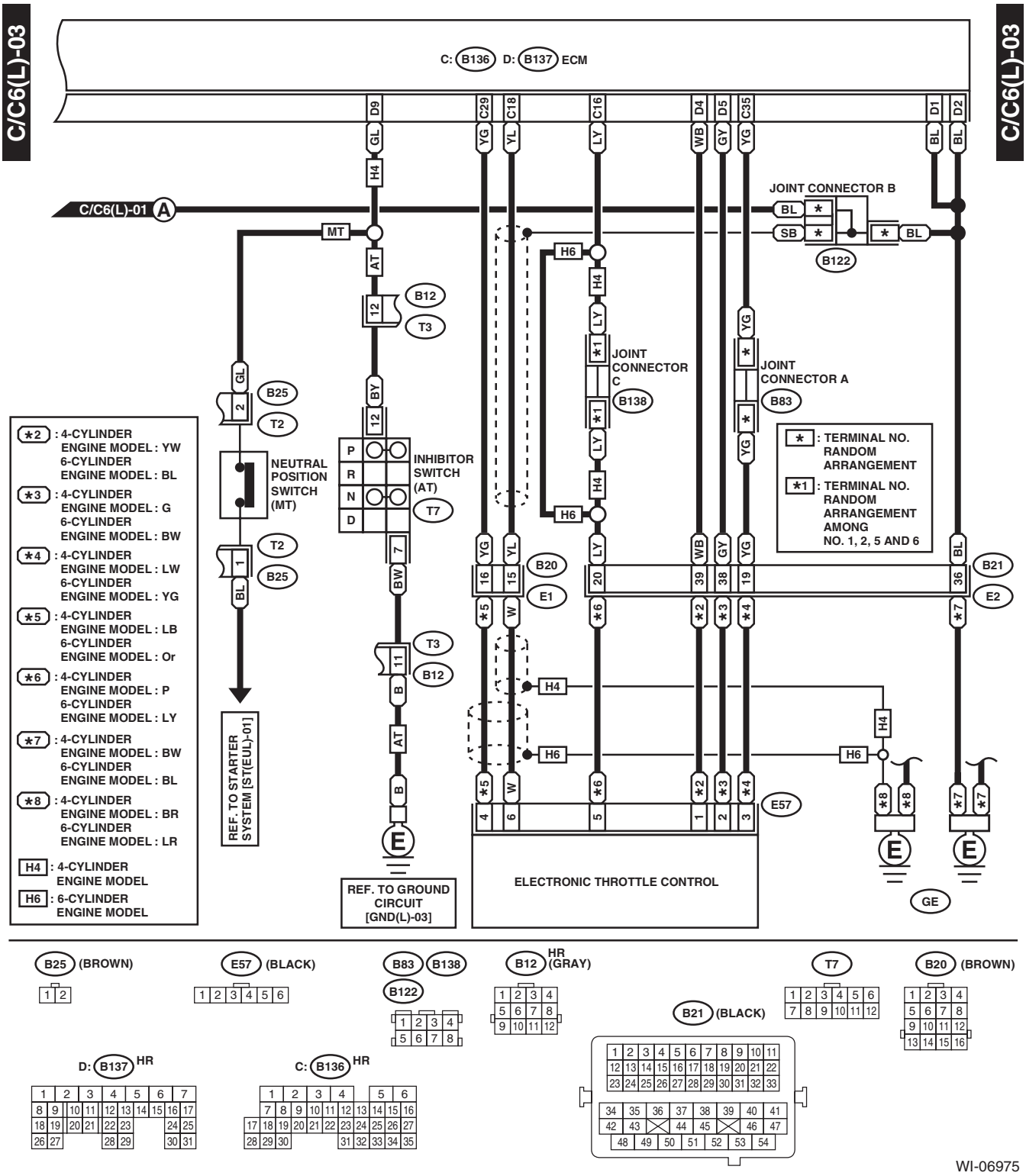
C/C6(L)-02





WI-06974

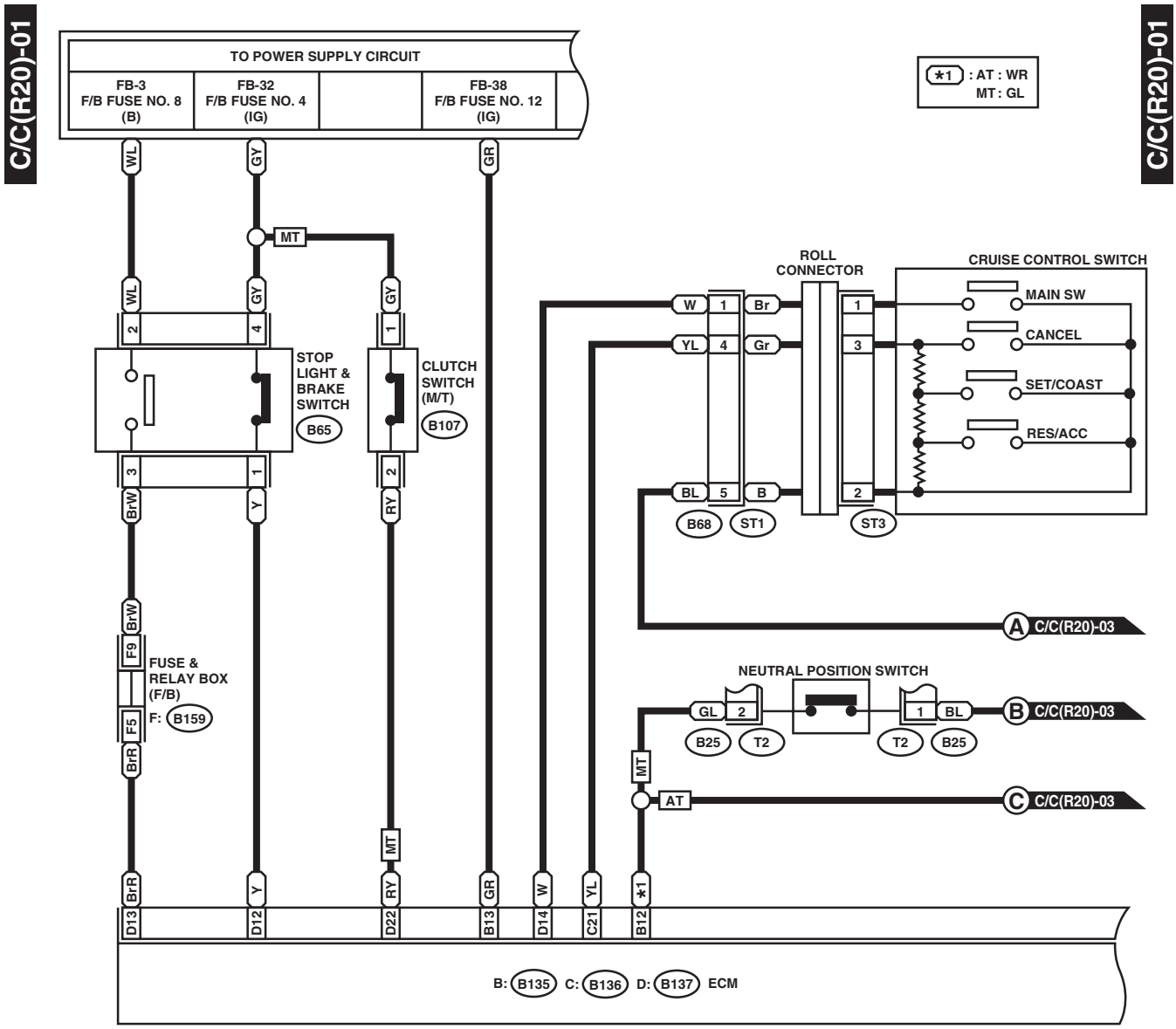
C/C6(L)-02

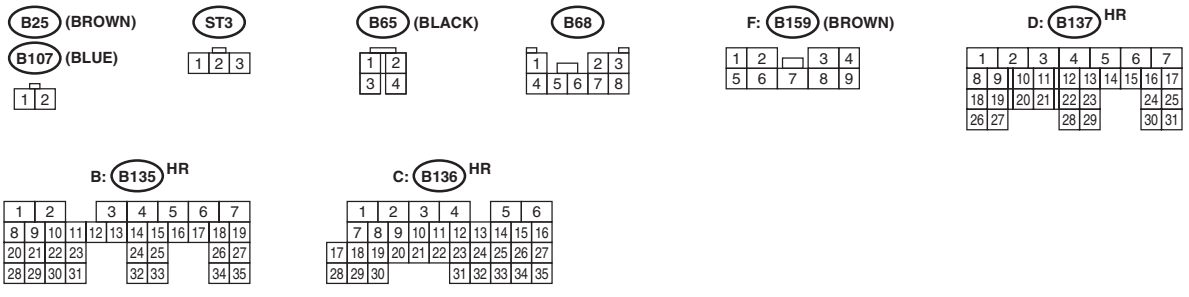

C/C6(L)-03
C: B136 D: B137 ECM
C/C6(L)-01 A
JOINT CONNECTOR B
B122
JOINT CONNECTOR C
B138
JOINT CONNECTOR A
B83
B12
T3
B25
T2
NEUTRAL POSITION SWITCH (MT)
INHIBITOR SWITCH (AT)
T7
B20
E1
B21
E2
E57
H4
H6
REF. TO STARTER SYSTEM [ST(EUL)-01]
REF. TO GROUND CIRCUIT [GND(L)-03]
ELECTRONIC THROTTLE CONTROL
GE
*2 : 4-CYLINDER ENGINE MODEL : YW 6-CYLINDER ENGINE MODEL : BL
*3 : 4-CYLINDER ENGINE MODEL : G 6-CYLINDER ENGINE MODEL : BW
*4 : 4-CYLINDER ENGINE MODEL : LW 6-CYLINDER ENGINE MODEL : YG
*5 : 4-CYLINDER ENGINE MODEL : LB 6-CYLINDER ENGINE MODEL : Or
*6 : 4-CYLINDER ENGINE MODEL : P 6-CYLINDER ENGINE MODEL : LY
*7 : 4-CYLINDER ENGINE MODEL : BW 6-CYLINDER ENGINE MODEL : BL
*8 : 4-CYLINDER ENGINE MODEL : BR 6-CYLINDER ENGINE MODEL : LR
H4 : 4-CYLINDER ENGINE MODEL
H6 : 6-CYLINDER ENGINE MODEL
* : TERMINAL NO. RANDOM ARRANGEMENT
*1 : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 1, 2, 5 AND 6

B25 (BROWN)
E57 (BLACK)
B83 B138
B122
B12 HR (GRAY)
T7
B20 (BROWN)
B21 (BLACK)
D: B137 HR
C: B136 HR

WI-06975

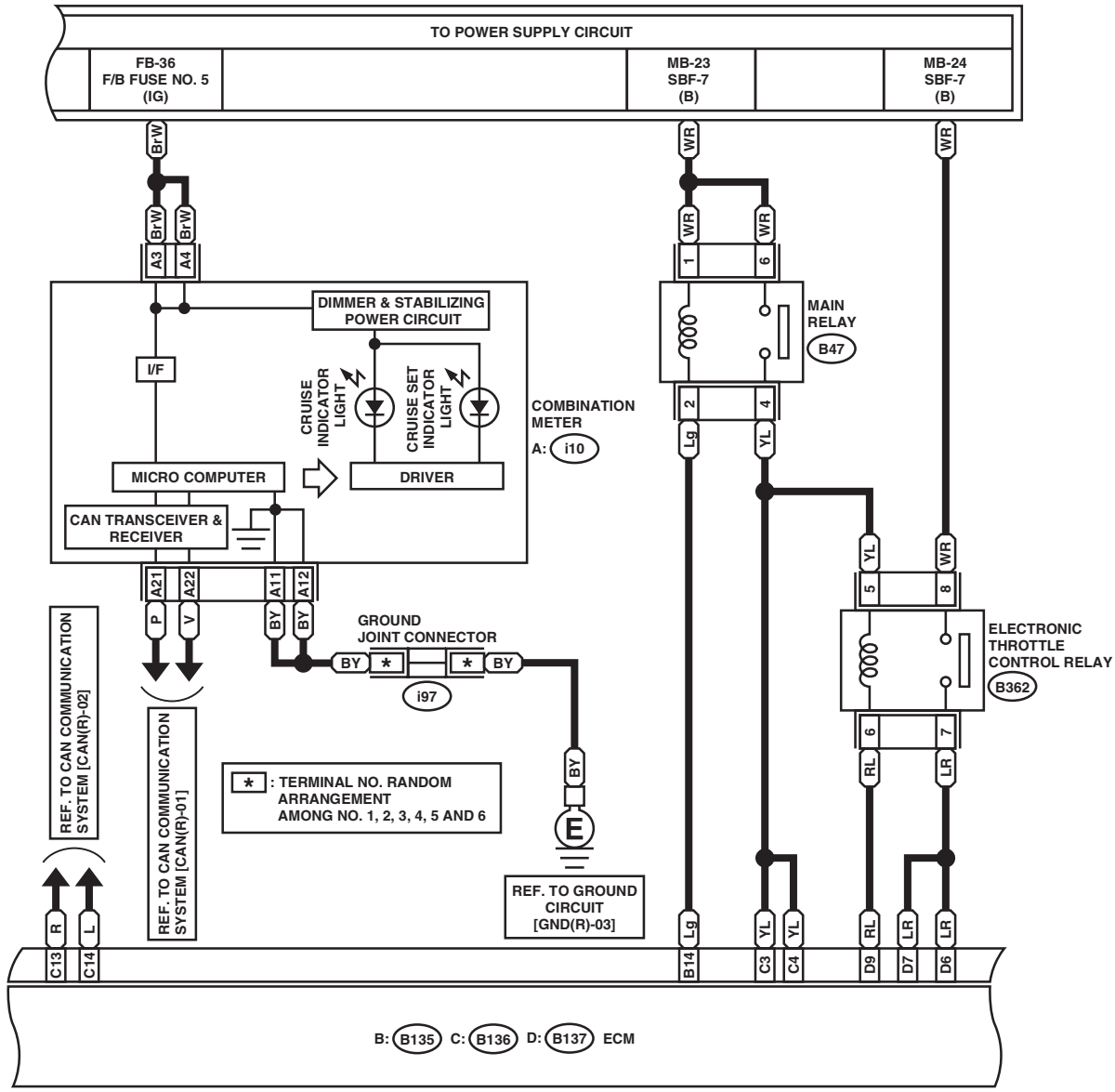
3. RHD 2.0 L NON-TURBO MODEL AND 2.5 L KA MODEL

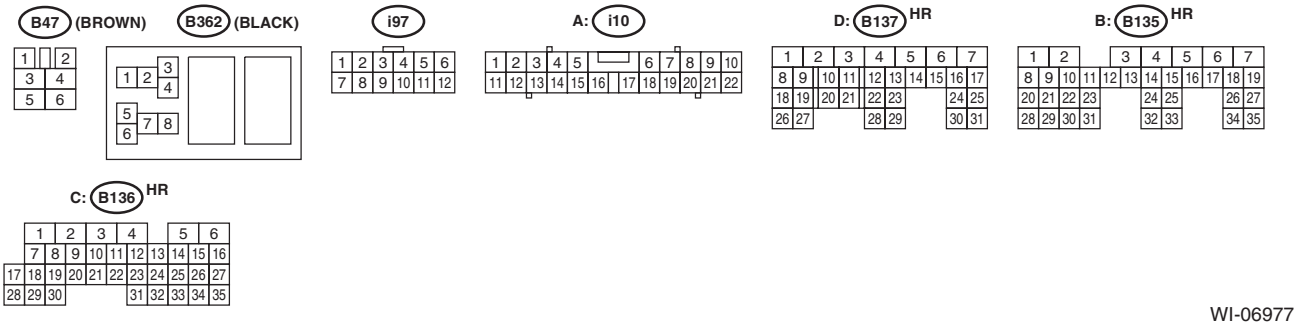




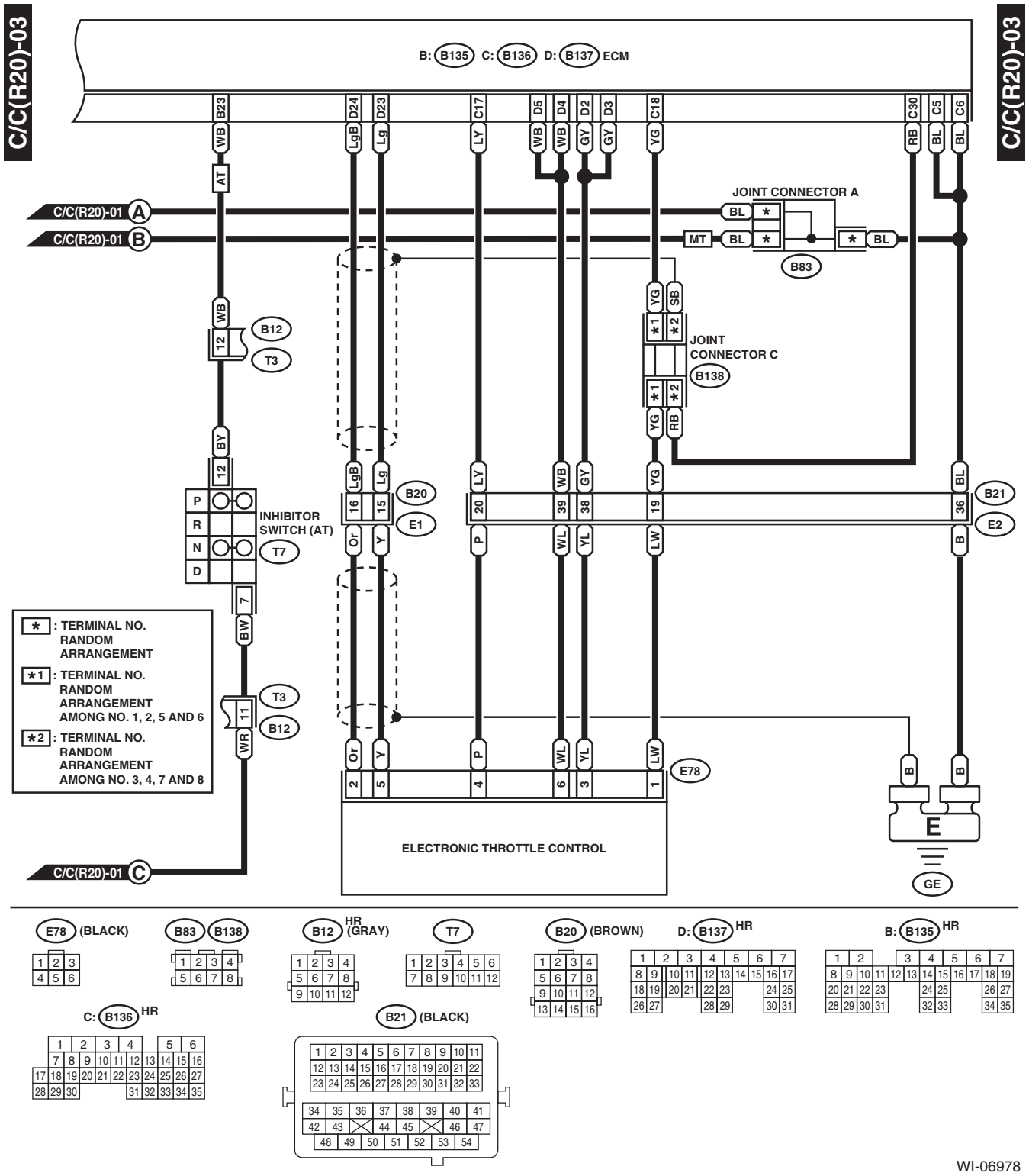
WI-06976

C/C(R20)-02



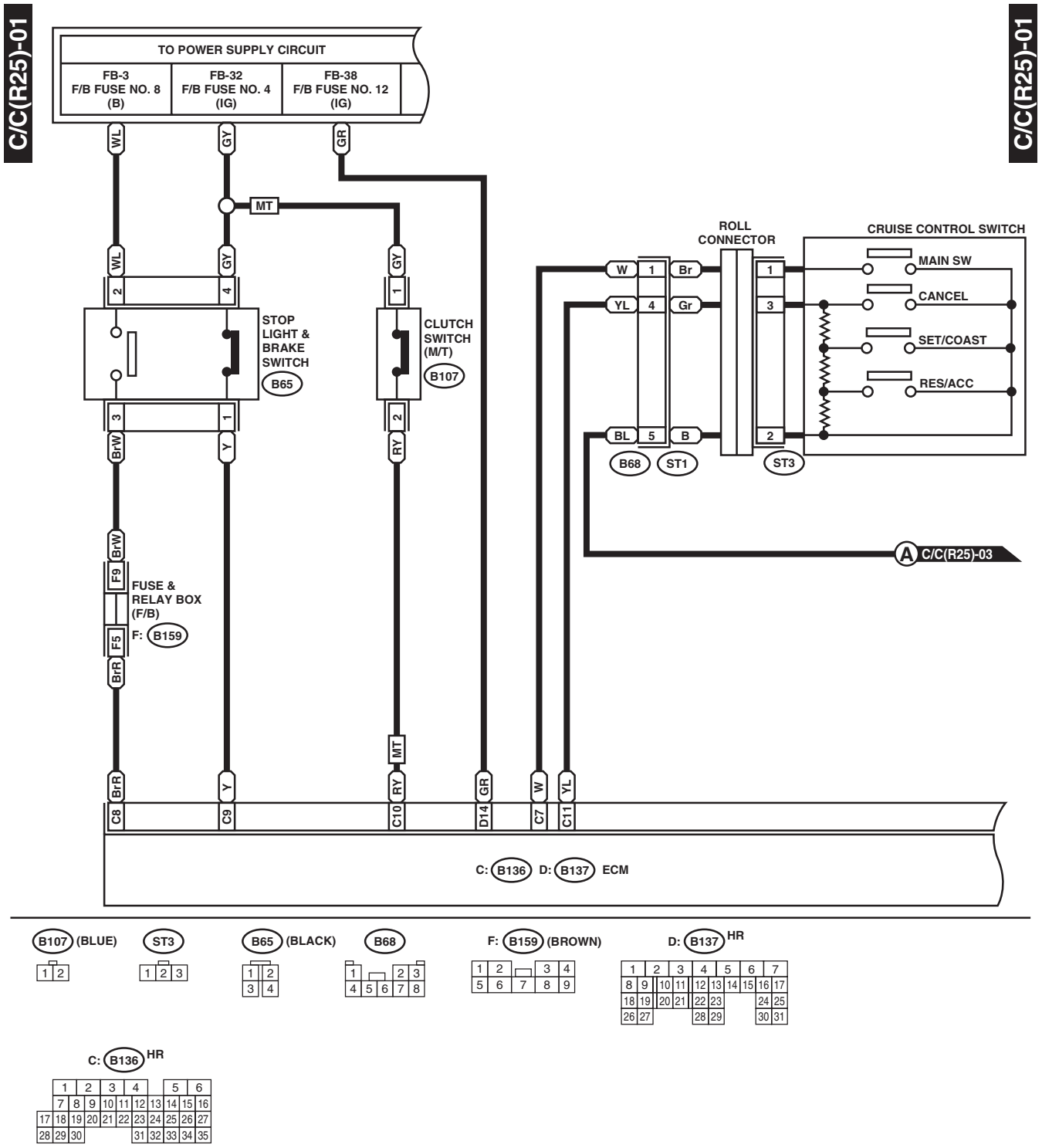


WI-06977


C/C(R20)-03
C/C(R20)-03
B: B135 C: B136 D: B137 ECM
B23 D24 D23 C17 D5 D4 D2 D3 C18 C30 C5 C6
WB LgB Lg LY WB WB GY GY YG RB BL BL
AT
C/C(R20)-01 A
C/C(R20)-01 B
JOINT CONNECTOR A
BL * MT BL * * BL
B83
YG SB
*1 *2
JOINT CONNECTOR C
B138
YG RB
WB 12 B12 T3
BY 12
P R N D
INHIBITOR SWITCH (AT)
T7
7 BW
T3 11 B12 WR
LgB Lg LY WB GY YG BL
16 15 20 39 38 19 36
B20 B21
E1 E2
Or Y P WL YL LW B
2 5 4 6 3 1
E78
ELECTRONIC THROTTLE CONTROL
B B
E
GE
C/C(R20)-01 C
* : TERMINAL NO. RANDOM ARRANGEMENT
*1 : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 1, 2, 5 AND 6
*2 : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 3, 4, 7 AND 8
E78 (BLACK)
B83 B138
B12 HR (GRAY)
T7
B20 (BROWN)
D: B137 HR
B: B135 HR
C: B136 HR
B21 (BLACK)

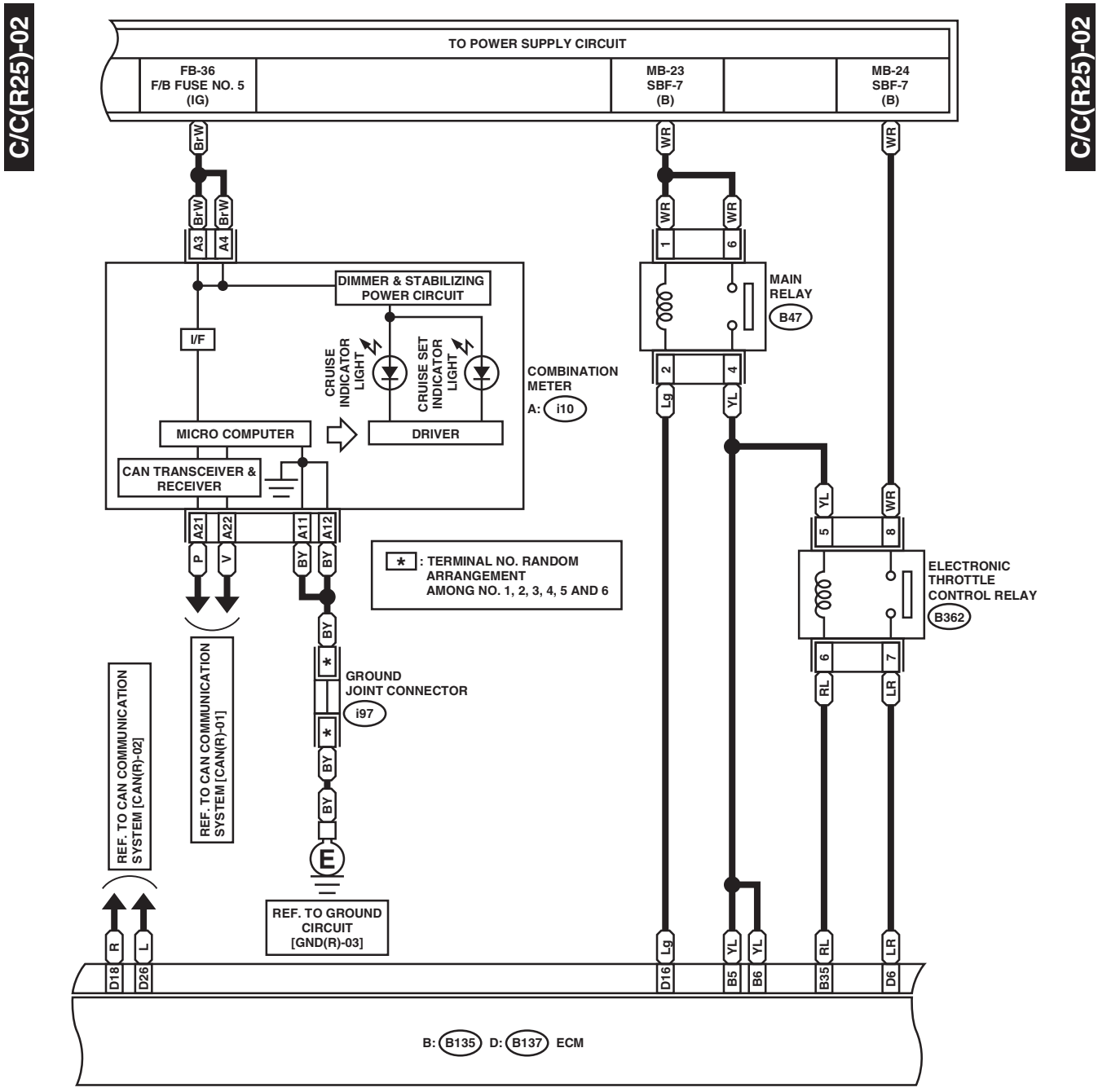
WI-06978

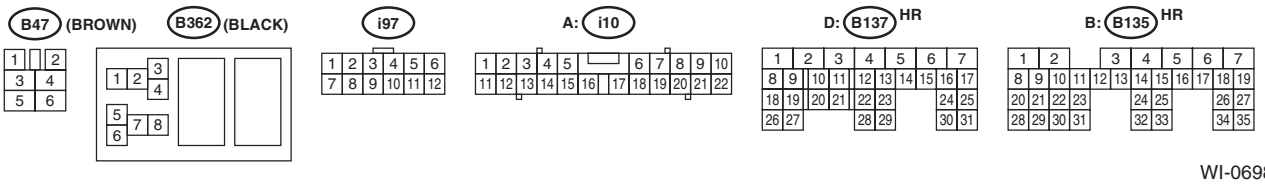
4. RHD 2.5 L EK MODEL



WI-06979

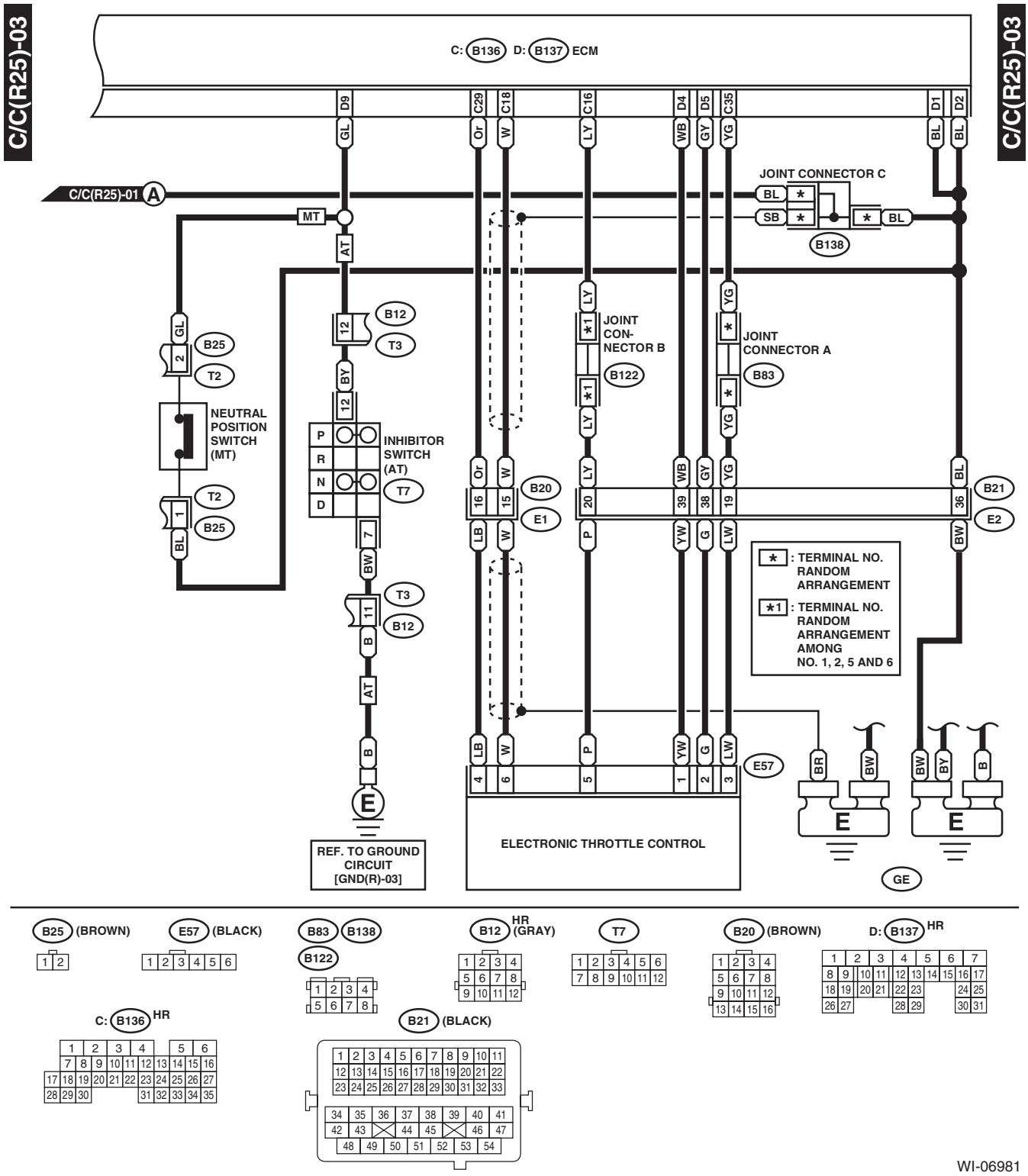
C/C(R25)-02





WI-06980

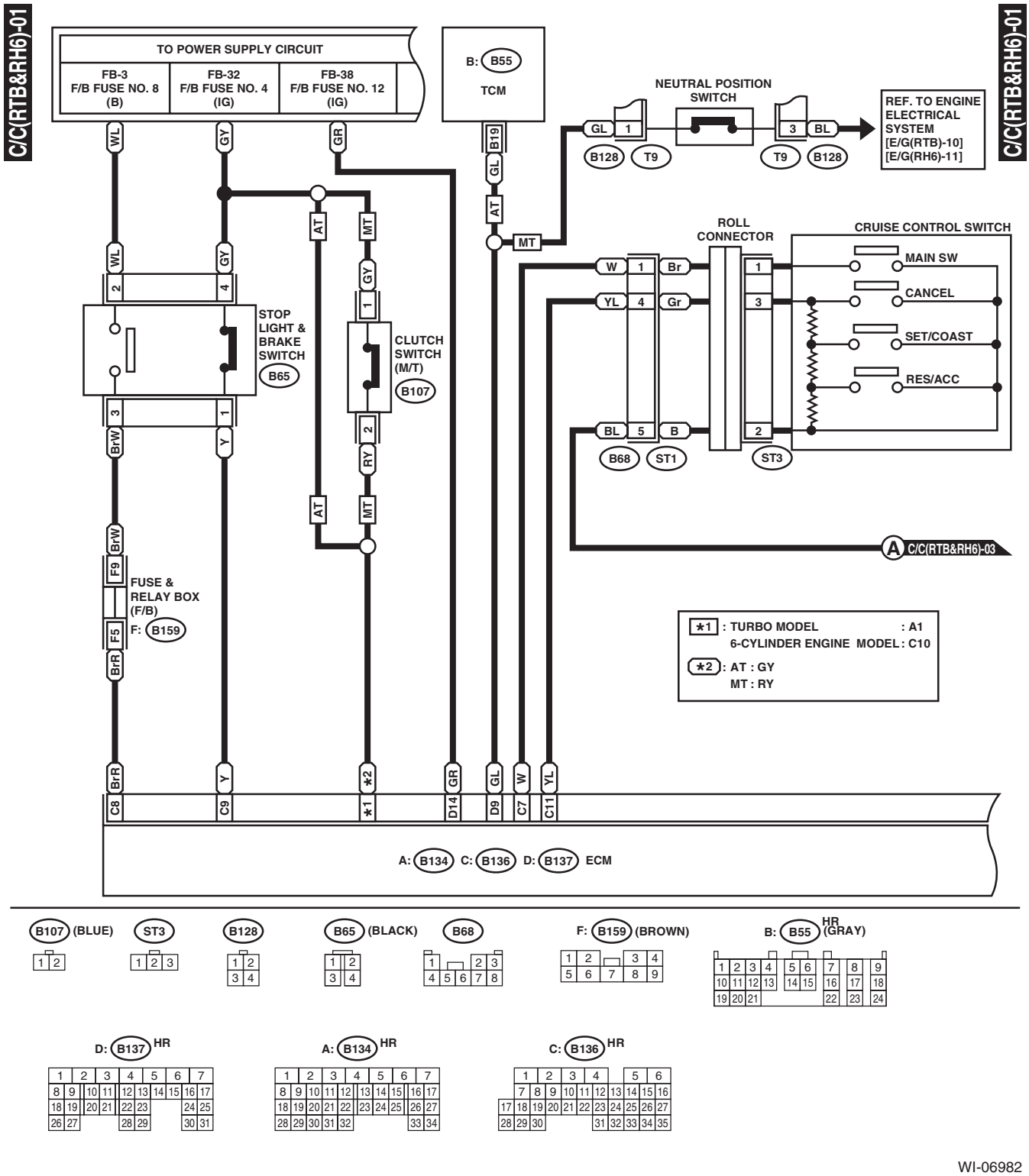
C/C(R25)-02


C/C(R25)-03
C/C(R25)-03
C: B136 D: B137 ECM
D9 C29 C18 C16 D4 D5 C35 D1 D2
GL Or W LY WB GY YG BL BL
C/C(R25)-01 A
JOINT CONNECTOR C
BL
SB
BL
B138
MT
AT
B12
12
T3
GL
2
B25
T2
BY
12
NEUTRAL POSITION SWITCH (MT)
P
R
N
D
INHIBITOR SWITCH (AT)
T7
T2
1
B25
BL
7
BW
T3
11
B12
B
AT
B
E
REF. TO GROUND CIRCUIT [GND(R)-03]
LY
*1
JOINT CON-NECTOR B
B122
LY
*1
YG
*
JOINT CONNECTOR A
B83
YG
*
Or W LY WB GY YG BL
16 15 20 39 38 19 36
B20 E1
B21 E2
LB W P YW G LW BW
* : TERMINAL NO. RANDOM ARRANGEMENT
*1 : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 1, 2, 5 AND 6
LB W P YW G LW
4 6 5 1 2 3
E57
ELECTRONIC THROTTLE CONTROL
BR BW BW BY B
E E
GE

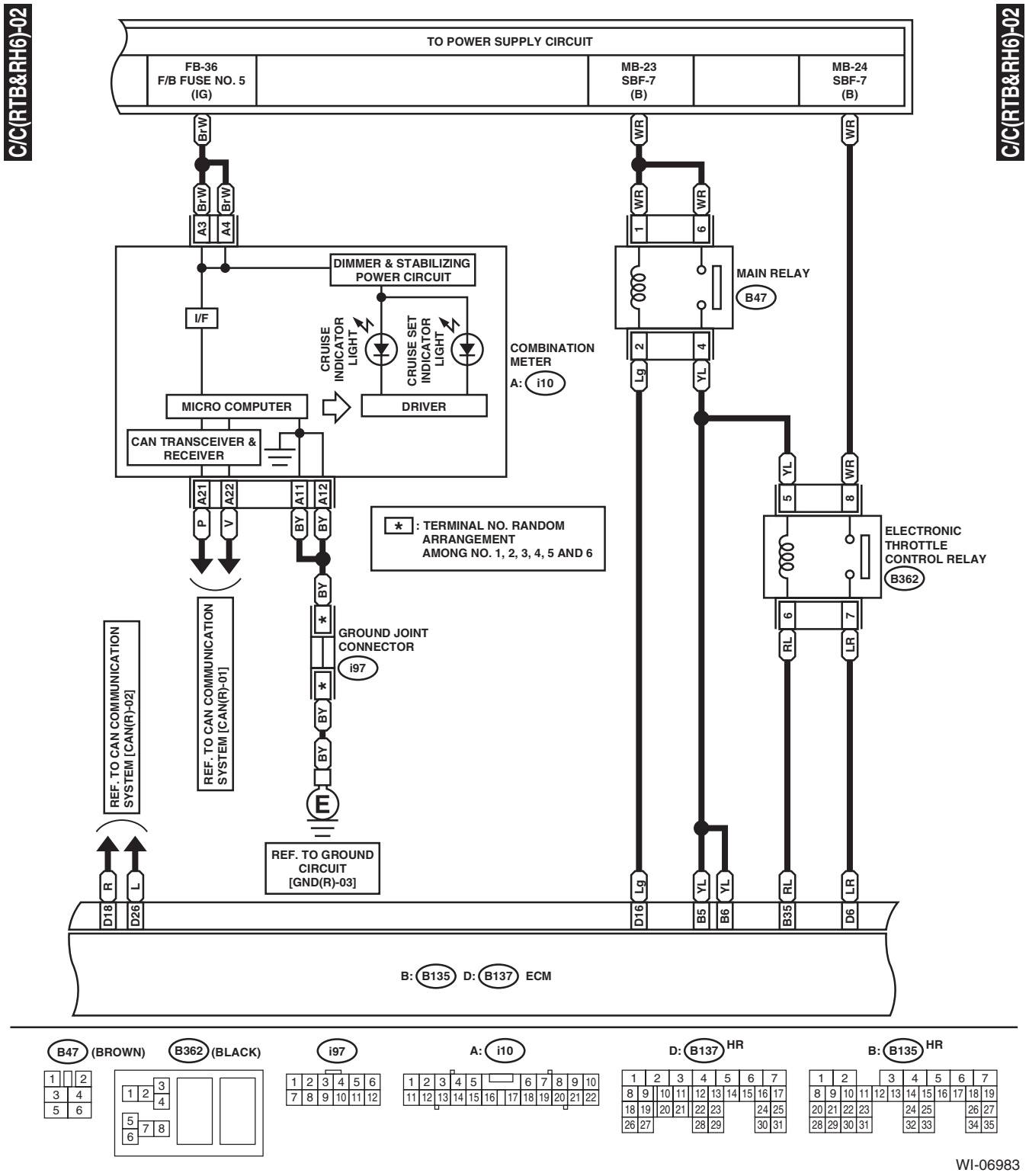
B25 (BROWN)
E57 (BLACK)
B83 B138
B122
B12 HR (GRAY)
T7
B20 (BROWN)
D: B137 HR
C: B136 HR
B21 (BLACK)

WI-06981

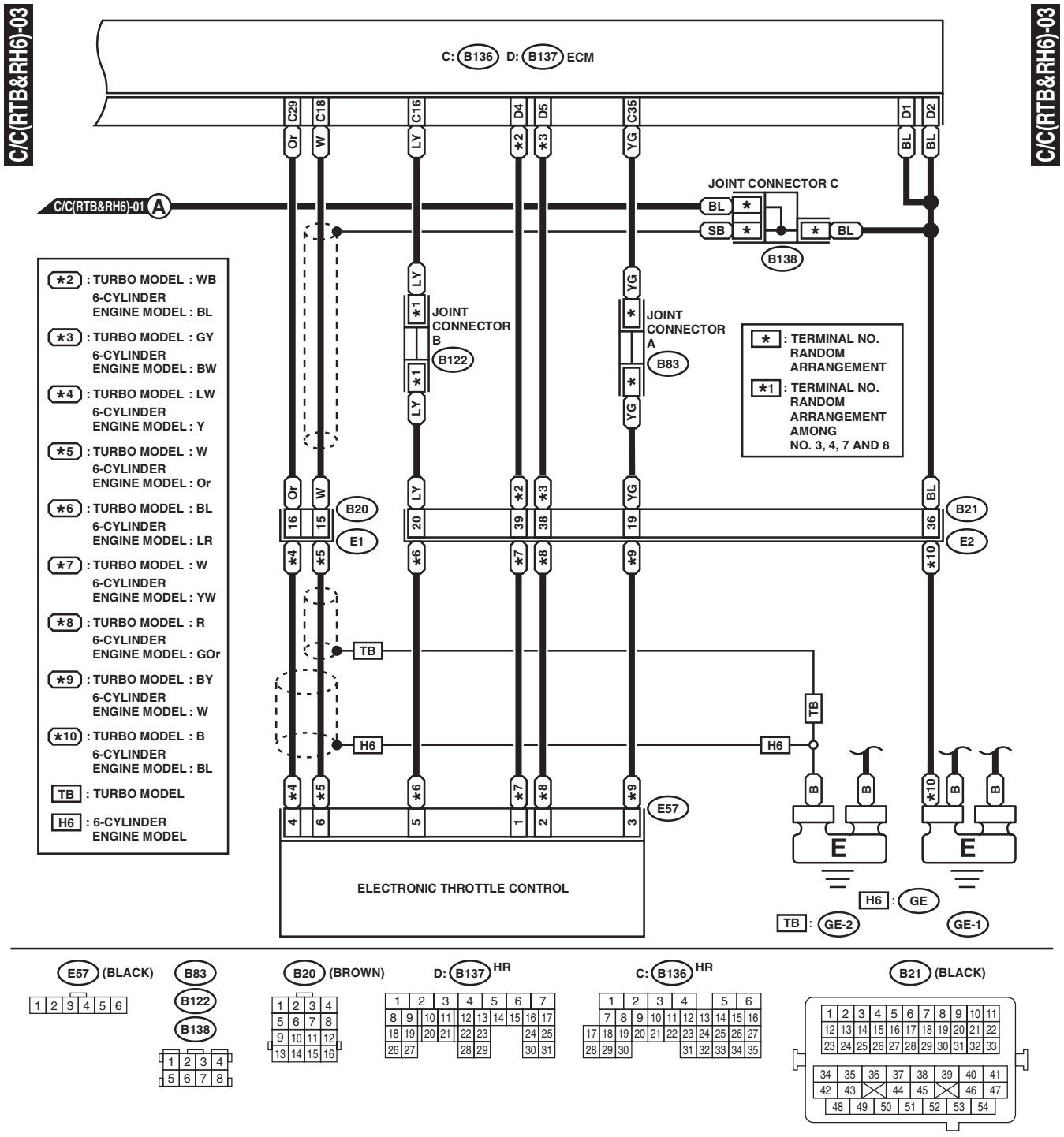
5. RHD TURBO AND 3.0 L MODEL



WI-06982


C/C(RTB&RH6)-02
C/C(RTB&RH6)-02
TO POWER SUPPLY CIRCUIT
FB-36
F/B FUSE NO. 5
(IG)
MB-23
SBF-7
(B)
MB-24
SBF-7
(B)
BrW
WR
A3
A4
1
6
2
4
DIMMER & STABILIZING POWER CIRCUIT
I/F
CRUISE INDICATOR LIGHT
CRUISE SET INDICATOR LIGHT
COMBINATION METER
A: i10
MAIN RELAY
B47
MICRO COMPUTER
DRIVER
CAN TRANSCEIVER & RECEIVER
Lg
YL
A21
A22
A11
A12
P
V
BY
5
8
ELECTRONIC THROTTLE CONTROL RELAY
B362
6
7
RL
LR
* : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 1, 2, 3, 4, 5 AND 6
GROUND JOINT CONNECTOR
i97
REF. TO CAN COMMUNICATION SYSTEM [CAN(R)-02]
REF. TO CAN COMMUNICATION SYSTEM [CAN(R)-01]
REF. TO GROUND CIRCUIT [GND(R)-03]
R
L
D18
D26
D16
B5
B6
B35
D6
B: B135 D: B137 ECM
B47 (BROWN)
B362 (BLACK)
i97
A: i10
D: B137 HR
B: B135 HR

WI-06983


C/C(RTB&RH6)-03
C/C(RTB&RH6)-03
C: B136 D: B137 ECM
C29
C18
C16
D4
D5
C35
D1
D2
Or
W
LY
*2
*3
YG
BL
BL
C/C(RTB&RH6)-01 A
JOINT CONNECTOR C
BL
SB
BL
B138
*2 : TURBO MODEL : WB 6-CYLINDER ENGINE MODEL : BL
*3 : TURBO MODEL : GY 6-CYLINDER ENGINE MODEL : BW
*4 : TURBO MODEL : LW 6-CYLINDER ENGINE MODEL : Y
*5 : TURBO MODEL : W 6-CYLINDER ENGINE MODEL : Or
*6 : TURBO MODEL : BL 6-CYLINDER ENGINE MODEL : LR
*7 : TURBO MODEL : W 6-CYLINDER ENGINE MODEL : YW
*8 : TURBO MODEL : R 6-CYLINDER ENGINE MODEL : GOr
*9 : TURBO MODEL : BY 6-CYLINDER ENGINE MODEL : W
*10 : TURBO MODEL : B 6-CYLINDER ENGINE MODEL : BL
TB : TURBO MODEL
H6 : 6-CYLINDER ENGINE MODEL
JOINT CONNECTOR B
B122
JOINT CONNECTOR A
B83
* : TERMINAL NO. RANDOM ARRANGEMENT
*1 : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 3, 4, 7 AND 8
B20
E1
B21
E2
TB
H6
E57
ELECTRONIC THROTTLE CONTROL
H6 : GE
TB : GE-2
GE-1

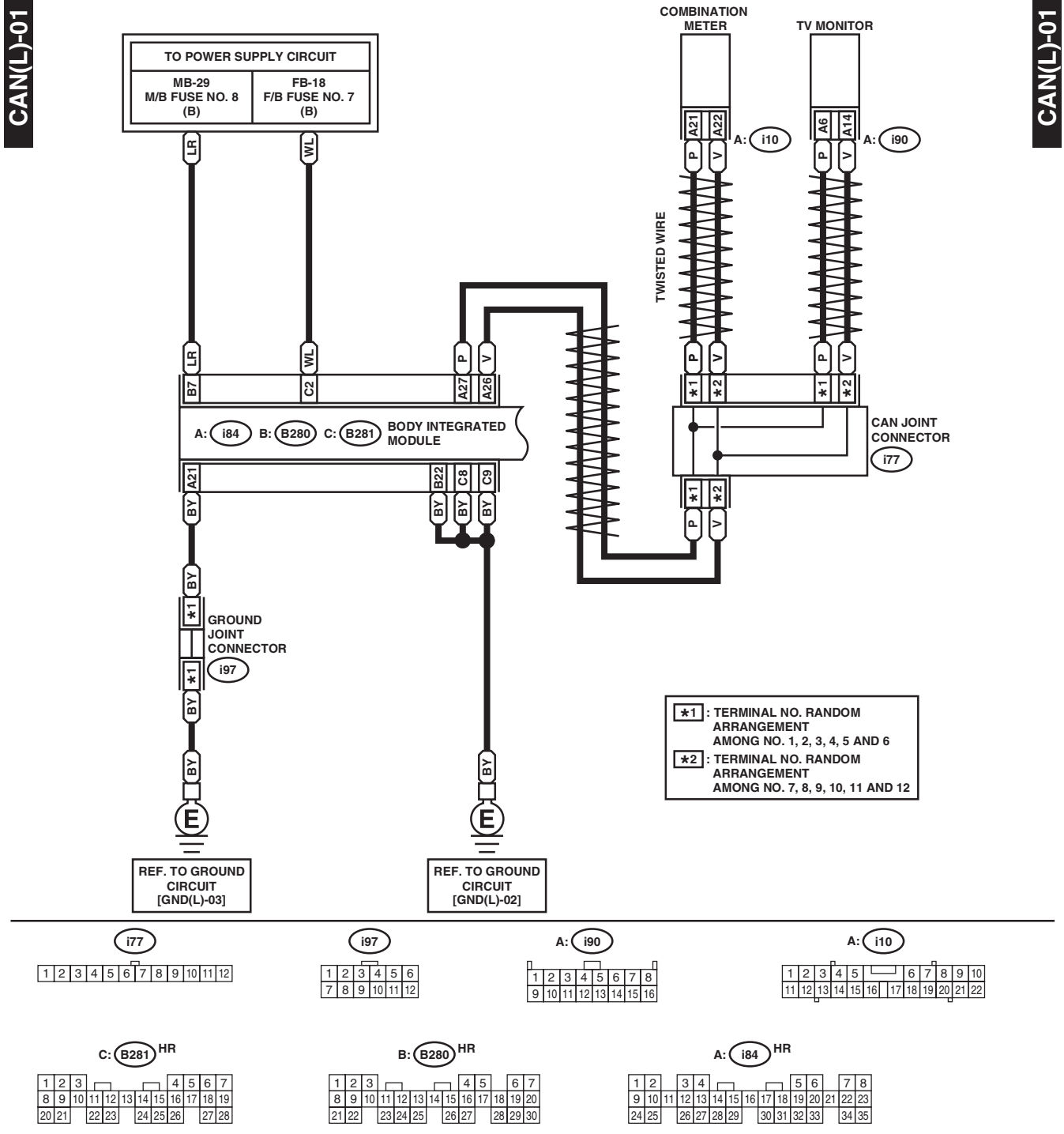
E57 (BLACK)
B83
B122
B138
B20 (BROWN)
D: B137 HR
C: B136 HR
B21 (BLACK)

WI-06984

14.CAN Communication System

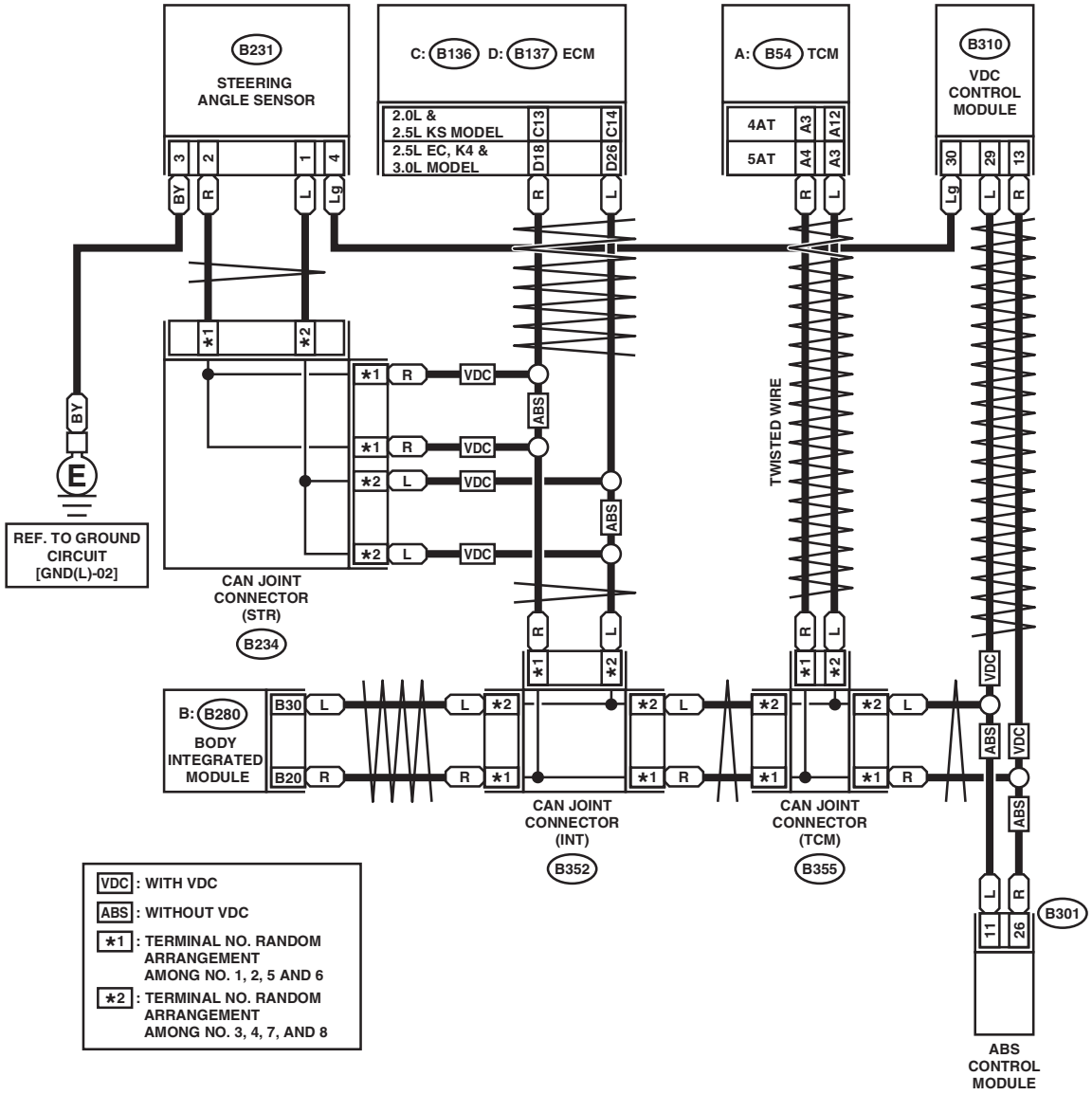
A: WIRING DIAGRAM

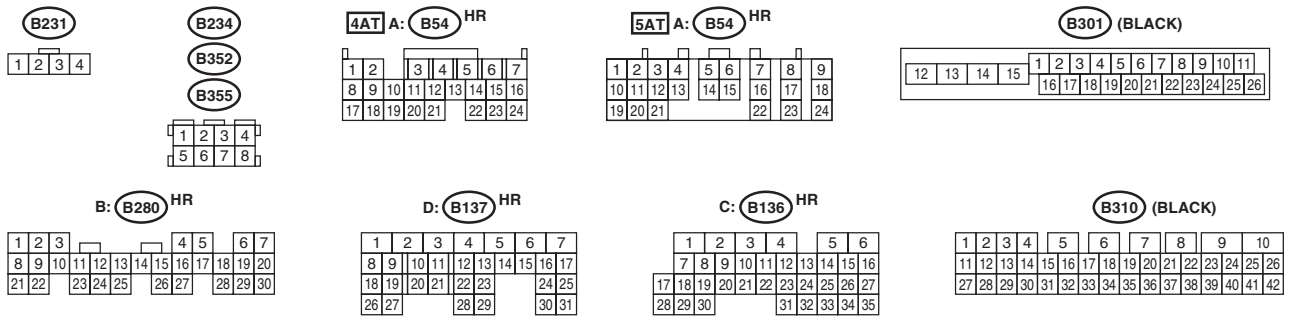
1. LHD MODEL



WI-06985

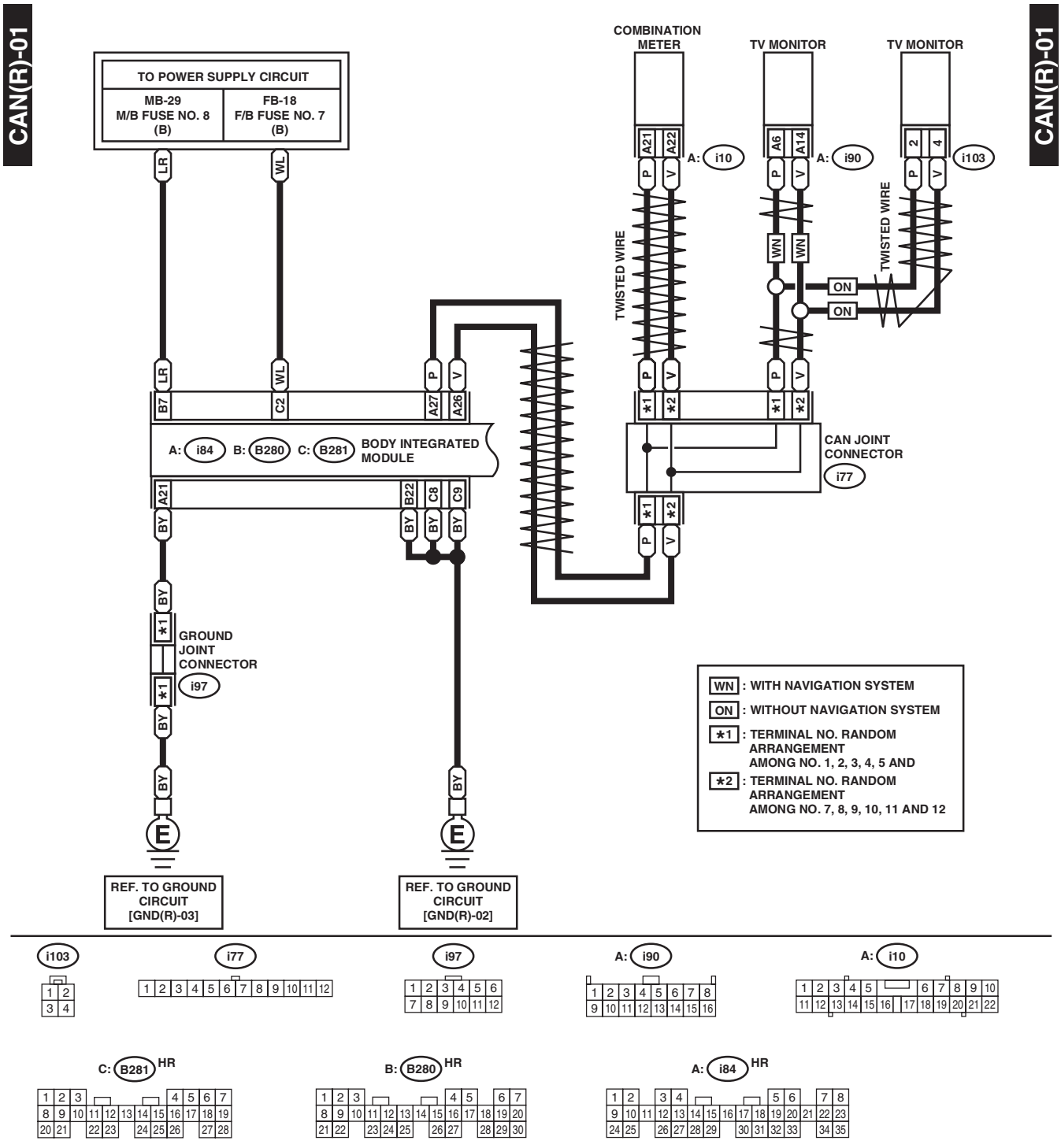
CAN(L)-02



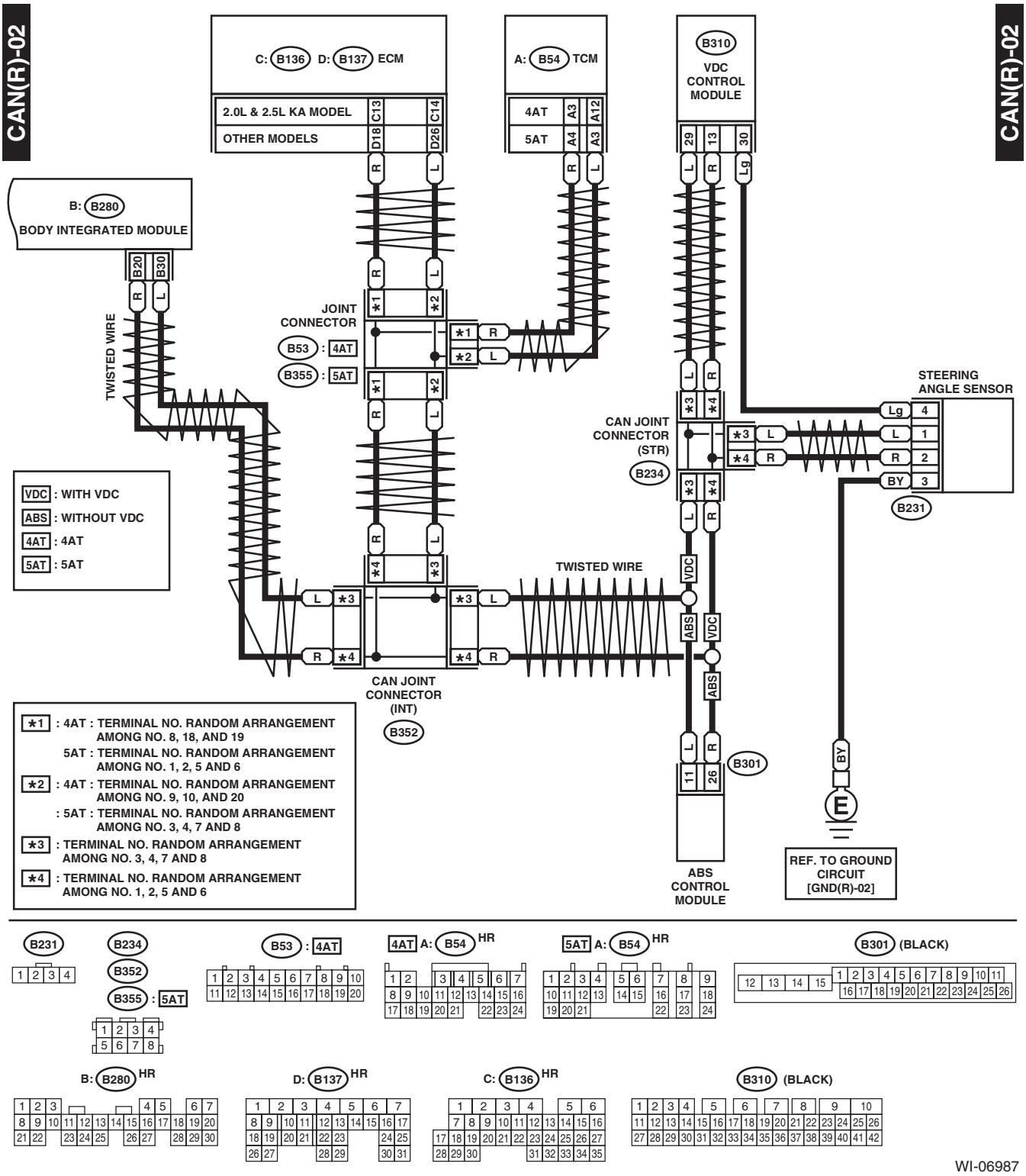


WI-06986

2. RHD MODEL



WI-07558

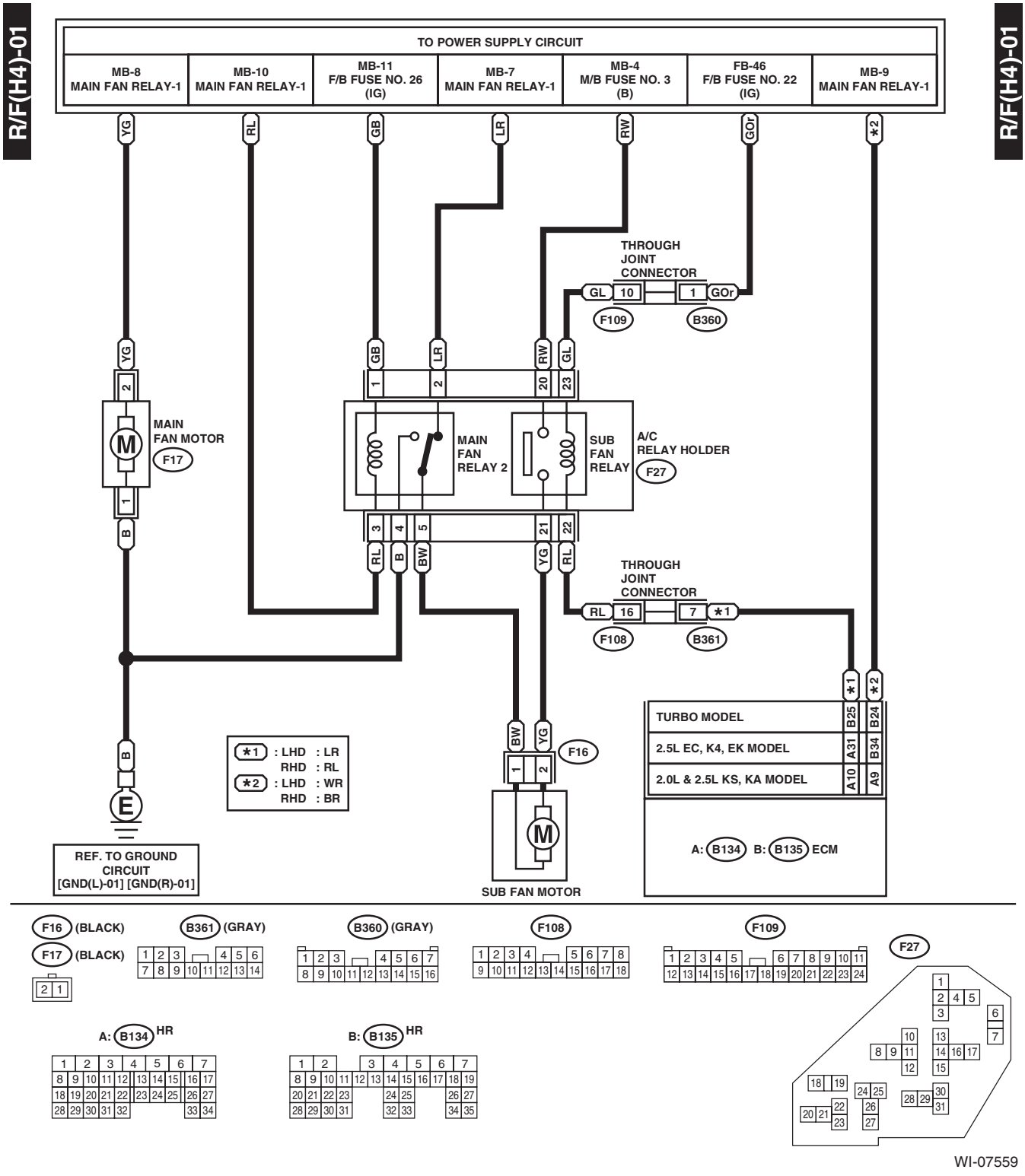

CAN(R)-02
CAN(R)-02
C: B136 D: B137 ECM
2.0L & 2.5L KA MODEL
OTHER MODELS
C13
C14
D18
D26
A: B54 TCM
4AT
5AT
A3
A4
A12
B310
VDC CONTROL MODULE
29
13
30
B: B280
BODY INTEGRATED MODULE
B20
B30
TWISTED WIRE
JOINT CONNECTOR
B53 : 4AT
B355 : 5AT
CAN JOINT CONNECTOR (STR)
B234
STEERING ANGLE SENSOR
Lg
BY
B231
VDC : WITH VDC
ABS : WITHOUT VDC
4AT : 4AT
5AT : 5AT
TWISTED WIRE
CAN JOINT CONNECTOR (INT)
B352
B301
ABS CONTROL MODULE
REF. TO GROUND CIRCUIT [GND(R)-02]
*1 : 4AT : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 8, 18, AND 19
5AT : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 1, 2, 5 AND 6
*2 : 4AT : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 9, 10, AND 20
: 5AT : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 3, 4, 7 AND 8
*3 : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 3, 4, 7 AND 8
*4 : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 1, 2, 5 AND 6
B231
B234
B352
B355 : 5AT
B53 : 4AT
4AT A: B54 HR
5AT A: B54 HR
B301 (BLACK)
B: B280 HR
D: B137 HR
C: B136 HR
B310 (BLACK)

WI-06987

15. Radiator Fan System

A: WIRING DIAGRAM

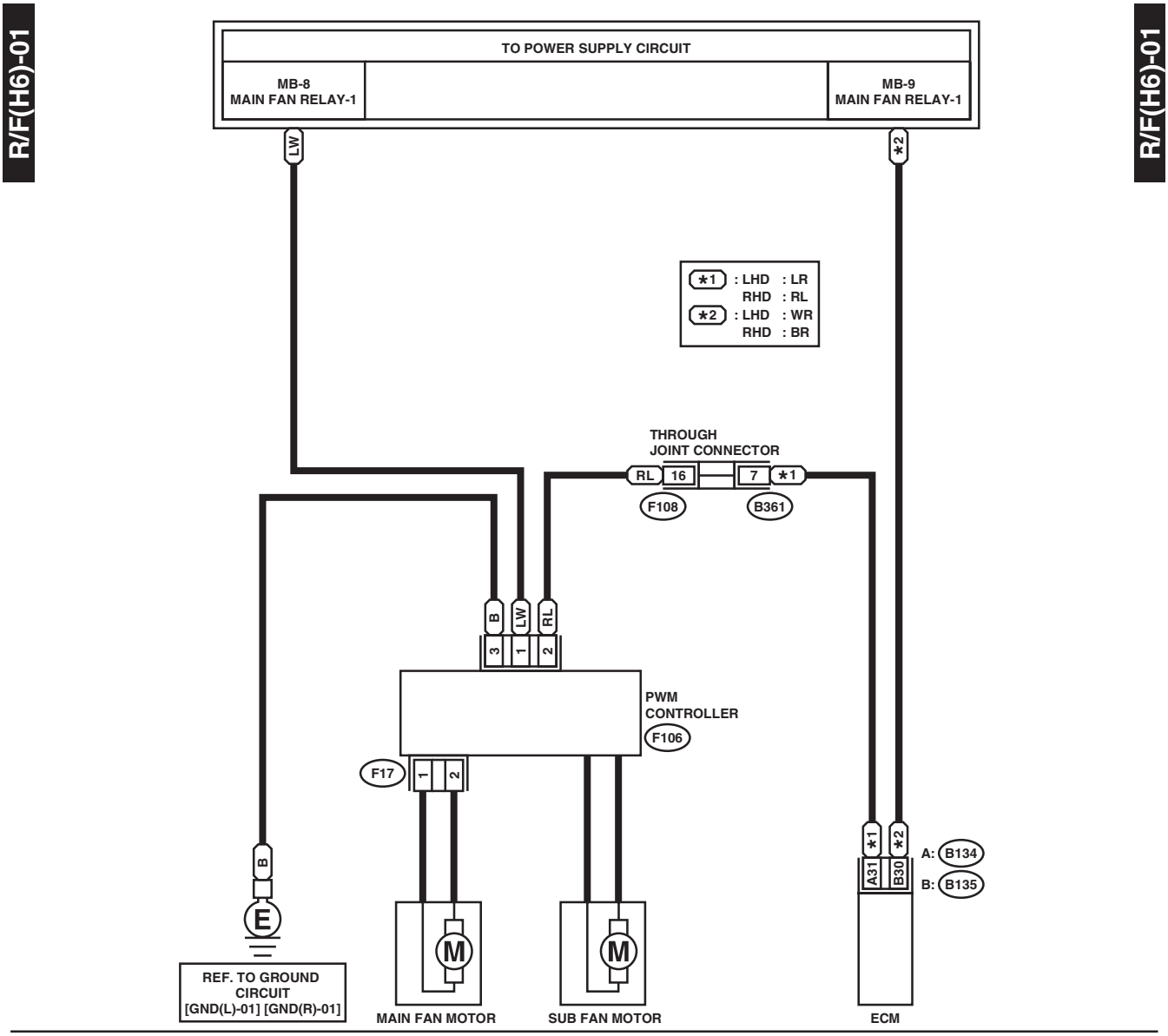
1. H4 MODEL

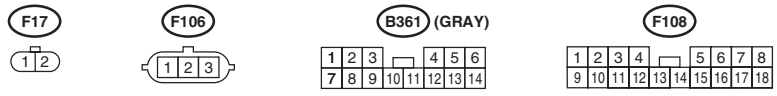


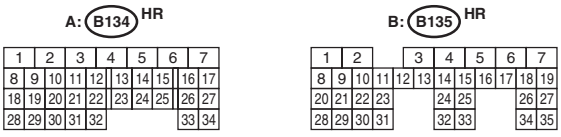
WI-07559

2. H6 MODEL

R/F(H6)-01





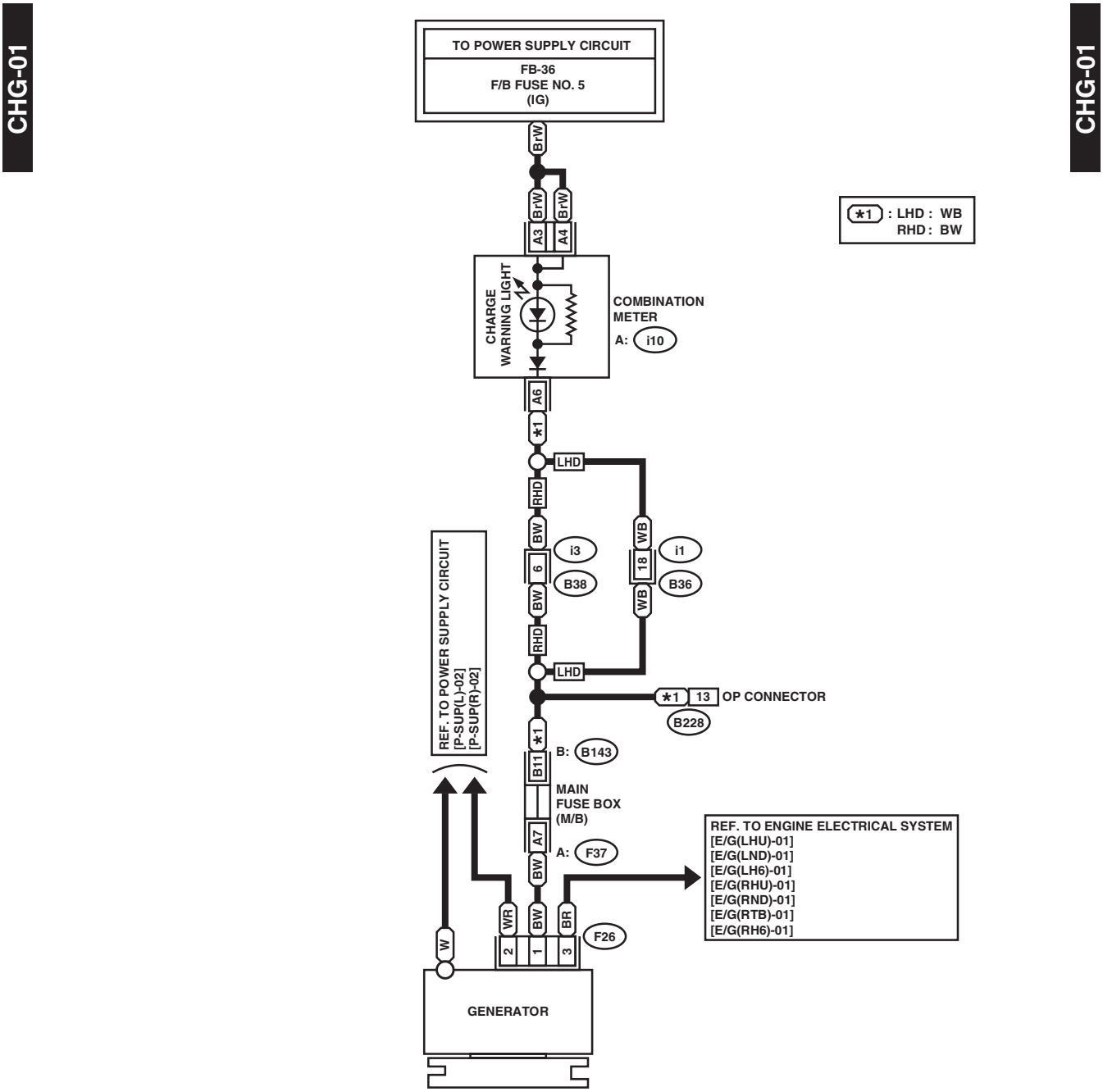


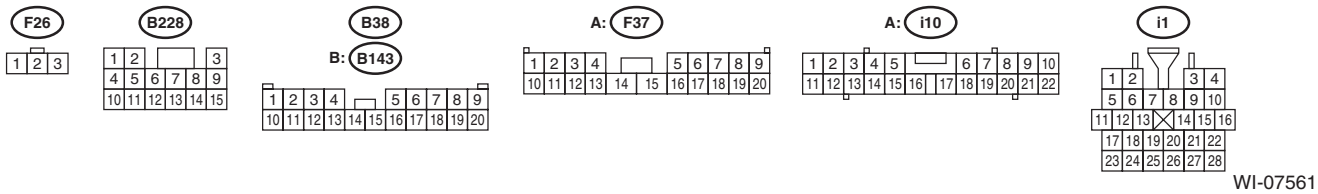
WI-07560

16.Charging System

A: WIRING DIAGRAM

CHG-01





WI-07561

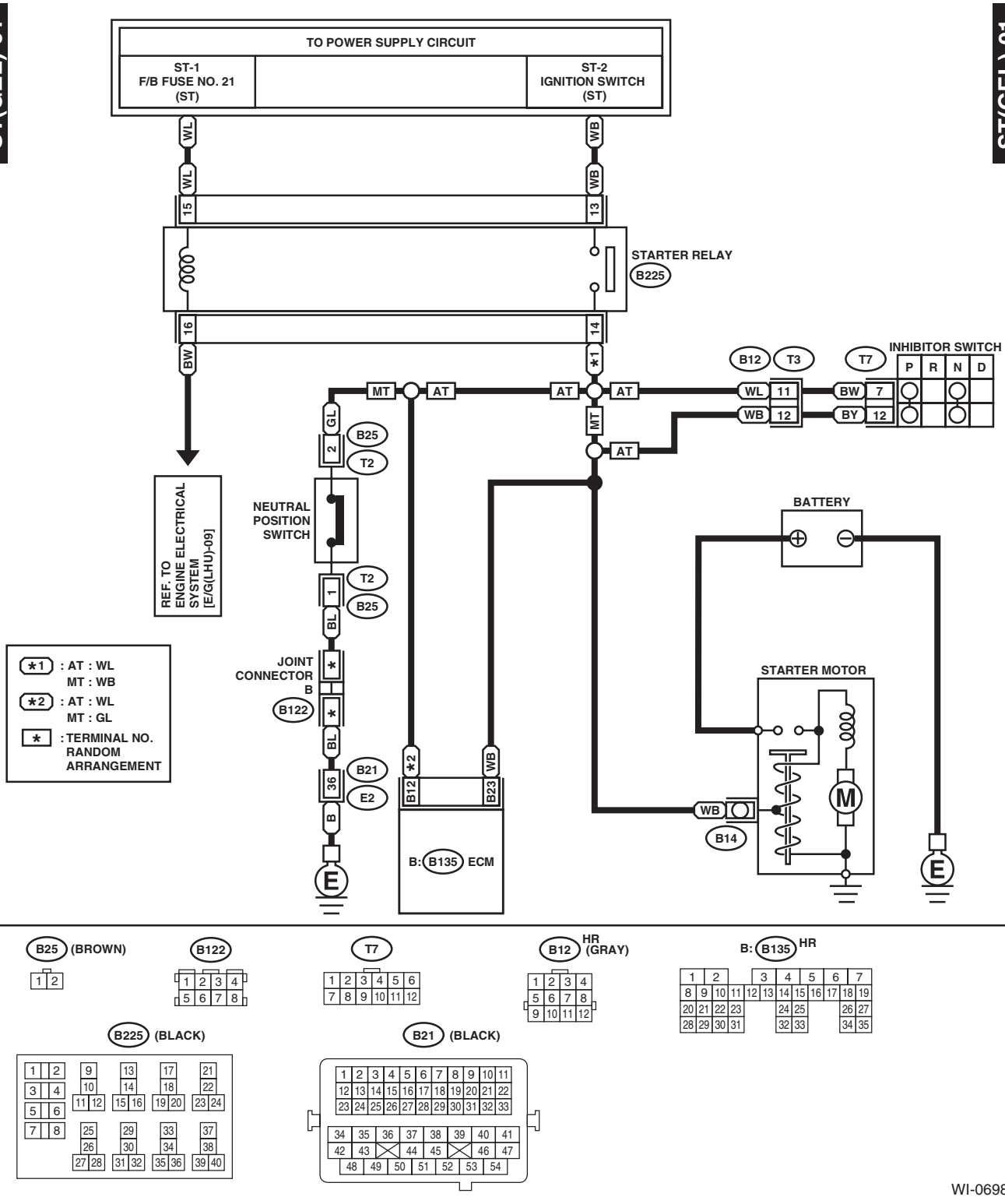
CHG-01

17.Starter System

A: WIRING DIAGRAM

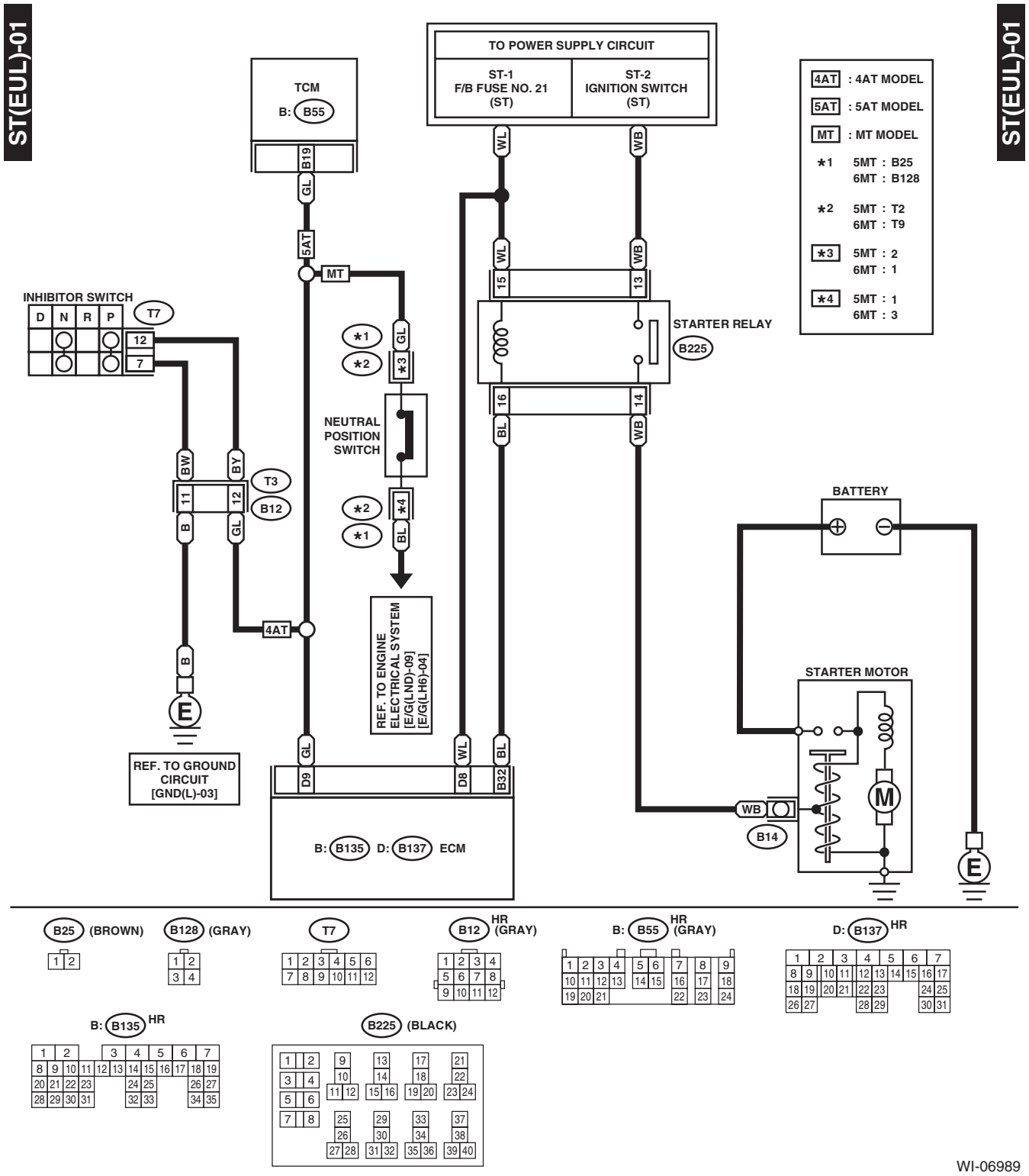
1. LHD 2.0 L MODEL AND 2.5 L KS MODEL

ST(GEL)-01



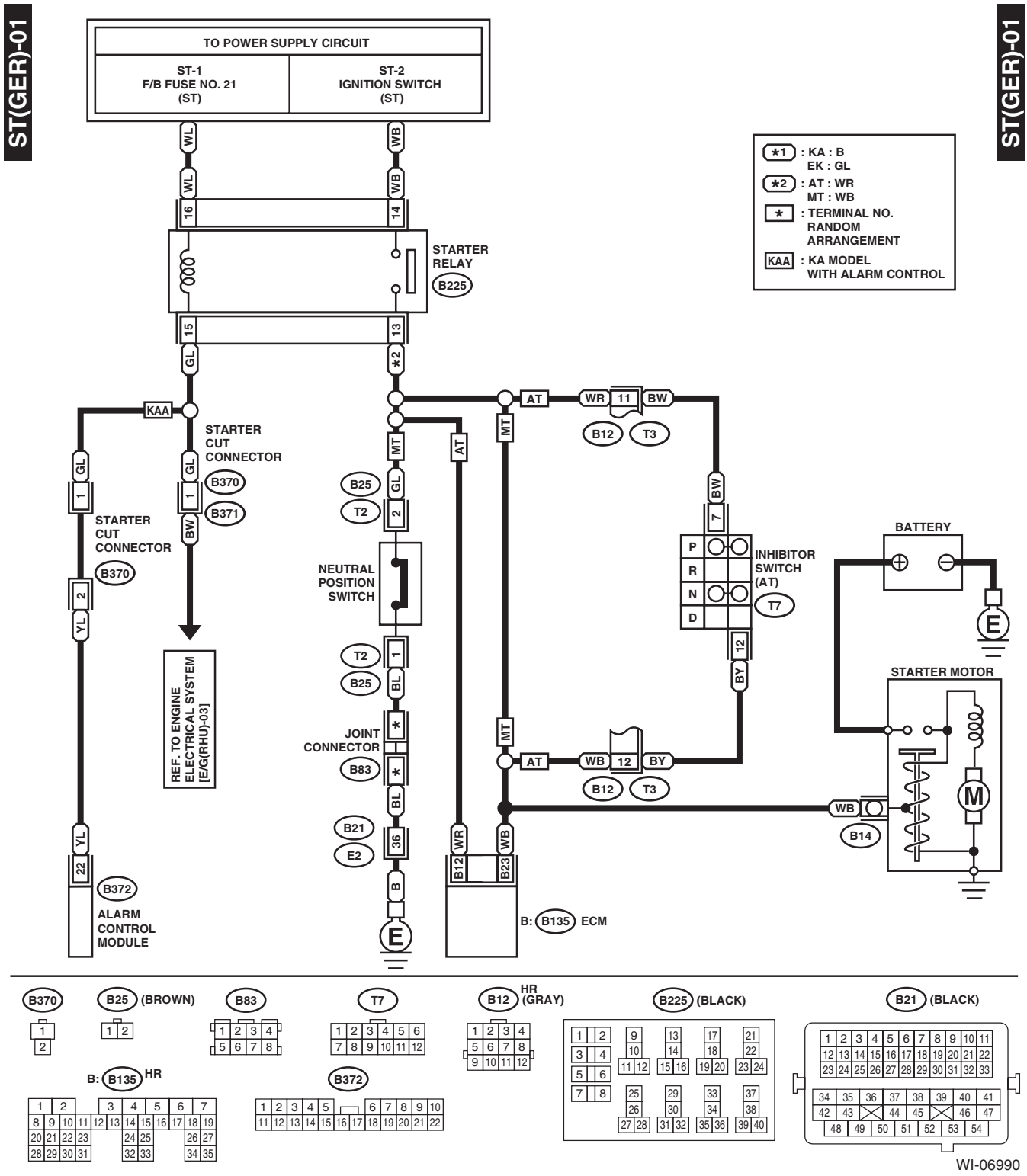
WI-06988

2. LHD 2.5 L EC, K4 AND 3.0 L MODEL

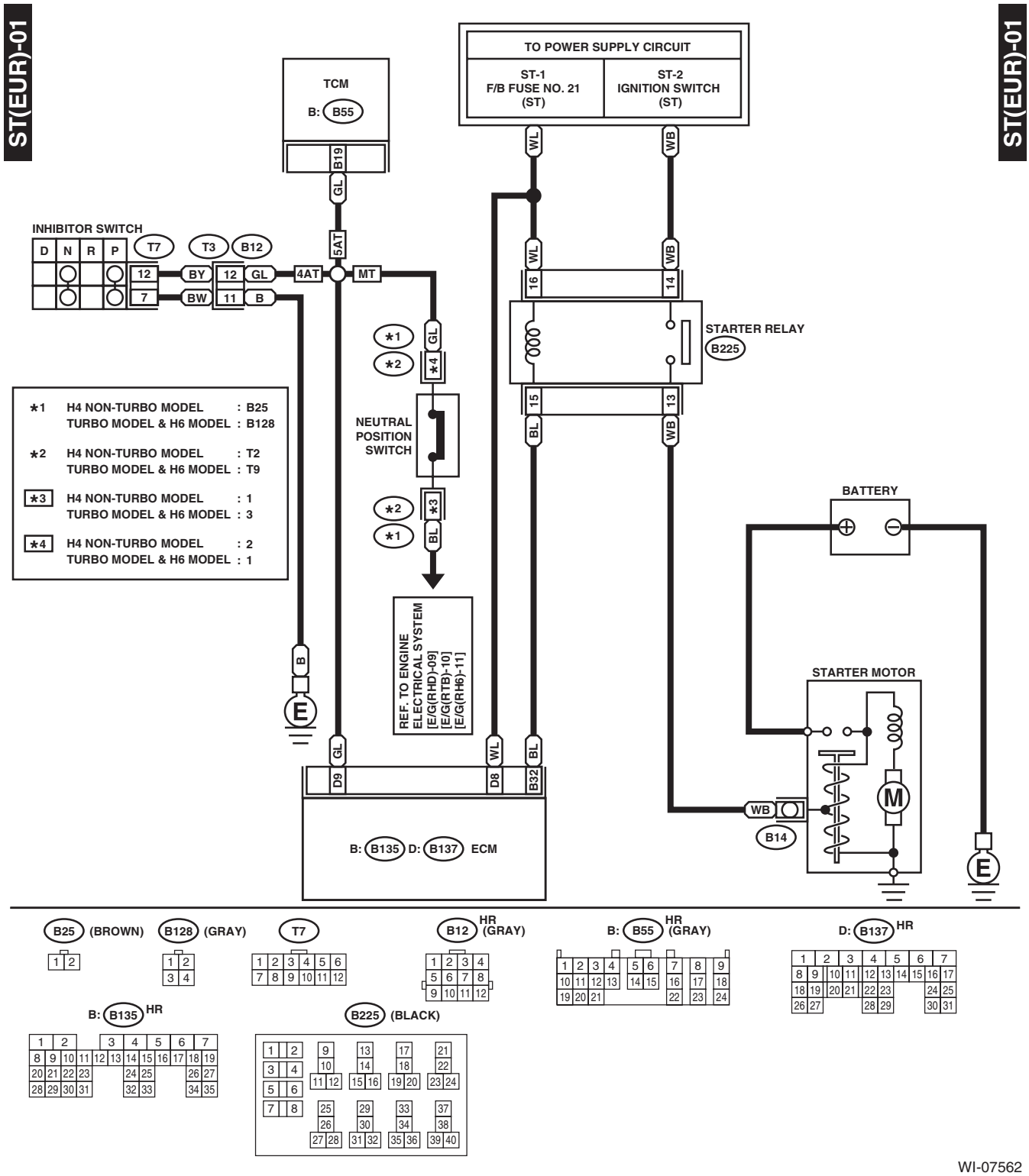


WI-06989

3. RHD 2.0 L NON-TURBO MODEL AND 2.5 L KA MODEL



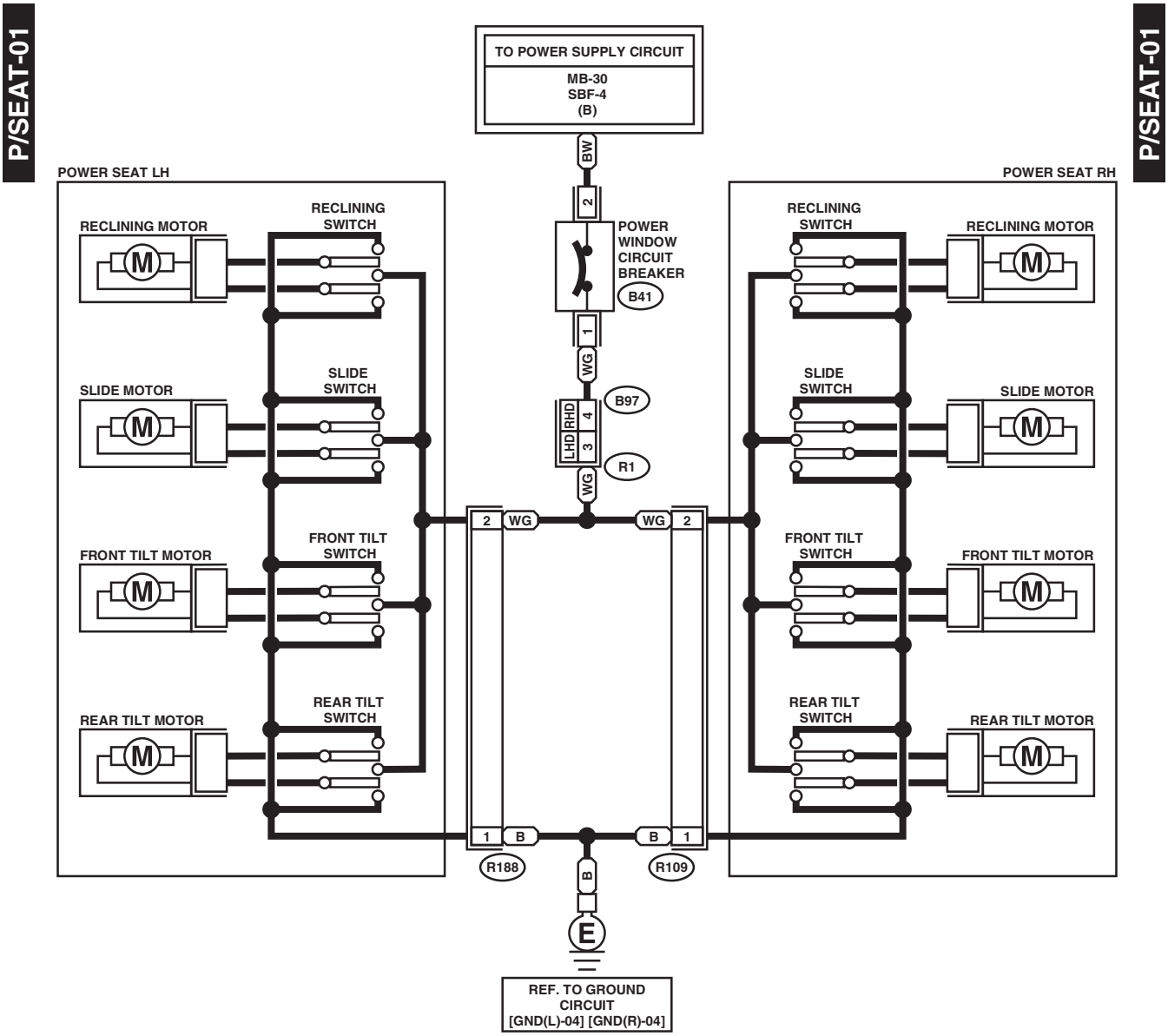
4. RHD 2.5 L EK MODEL, TURBO MODEL AND 3.0 L MODEL

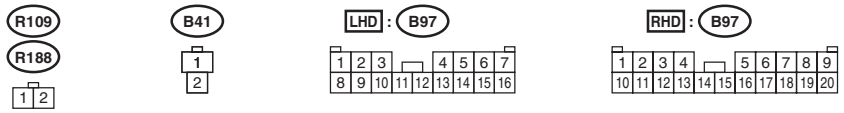


WI-07562

18.Power Seat System

A: WIRING DIAGRAM





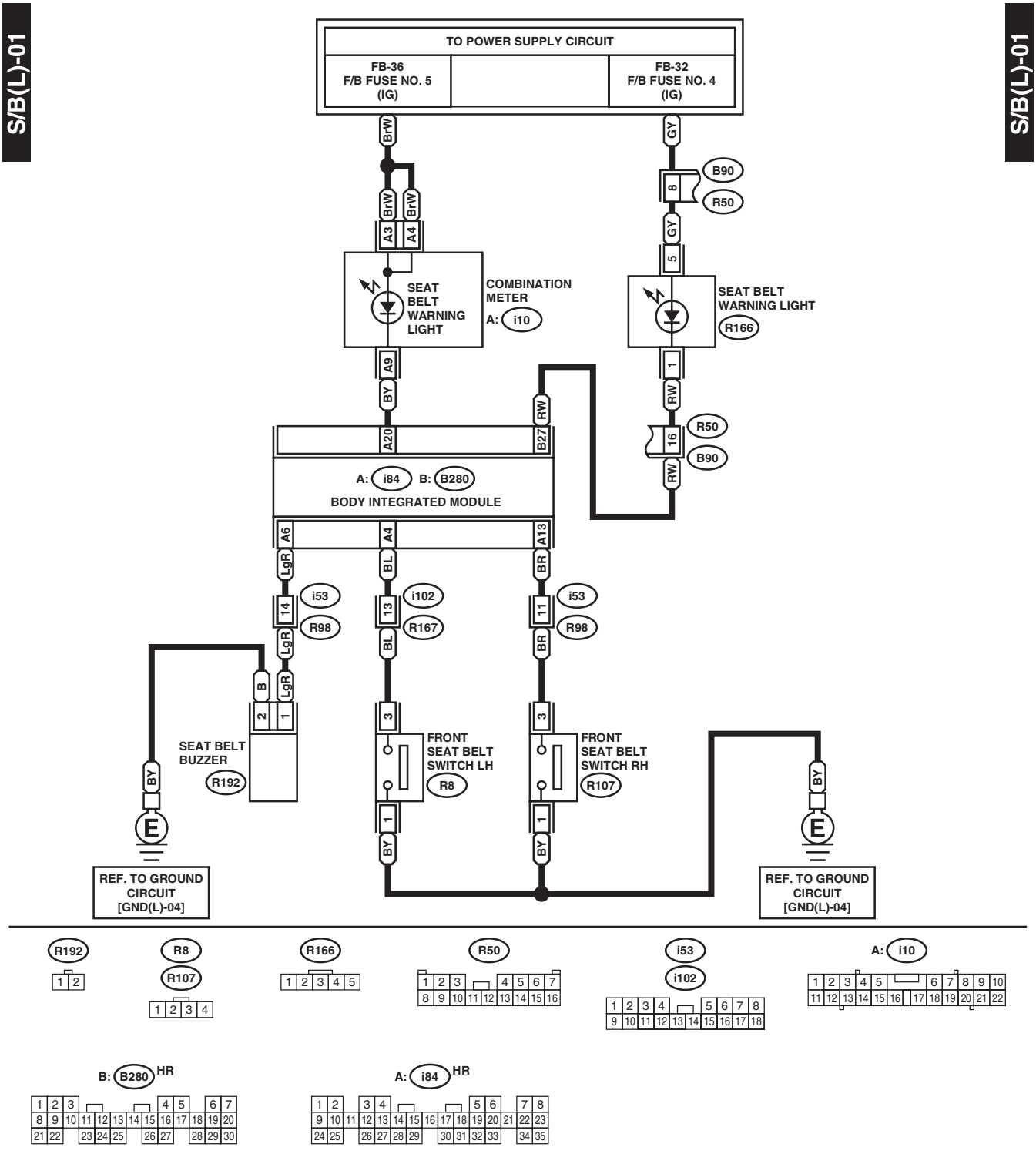
WI-06991

19.Seat Belt Warning System

A: WIRING DIAGRAM

1. LHD MODEL

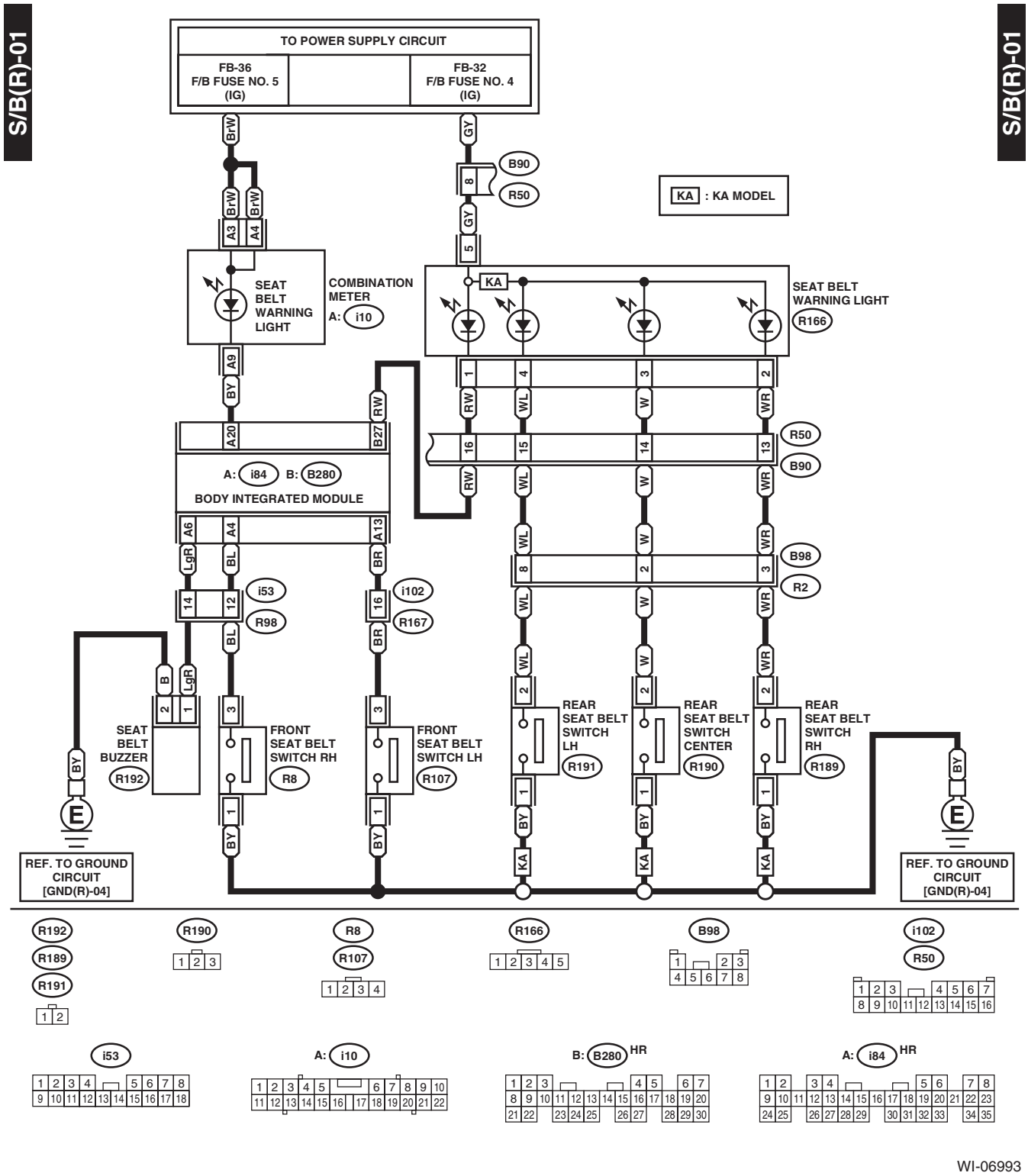
S/B(L)-01



WI-06992

S/B(L)-01

2. RHD MODEL

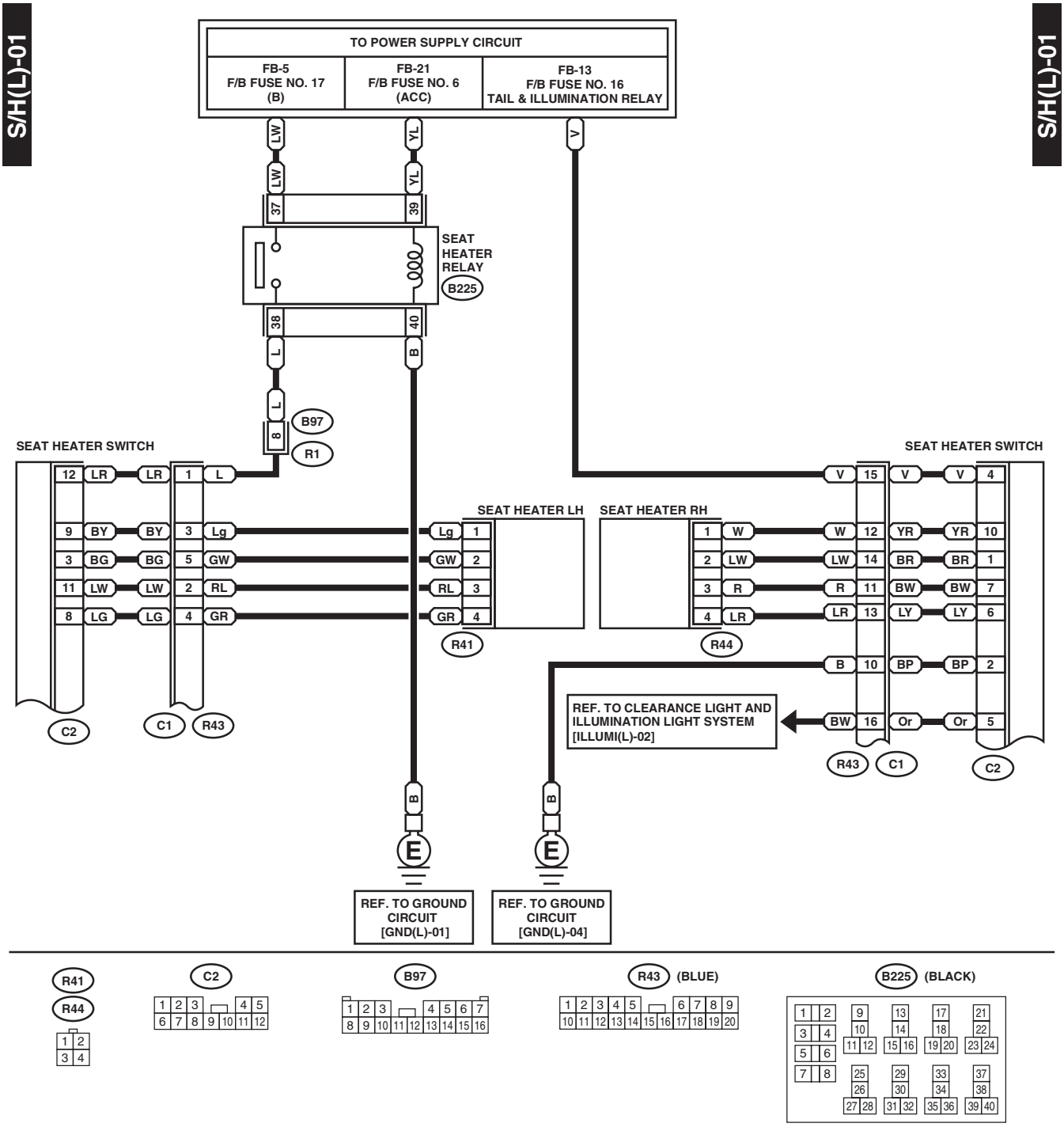


WI-06993

20.Seat Heater System

A: WIRING DIAGRAM

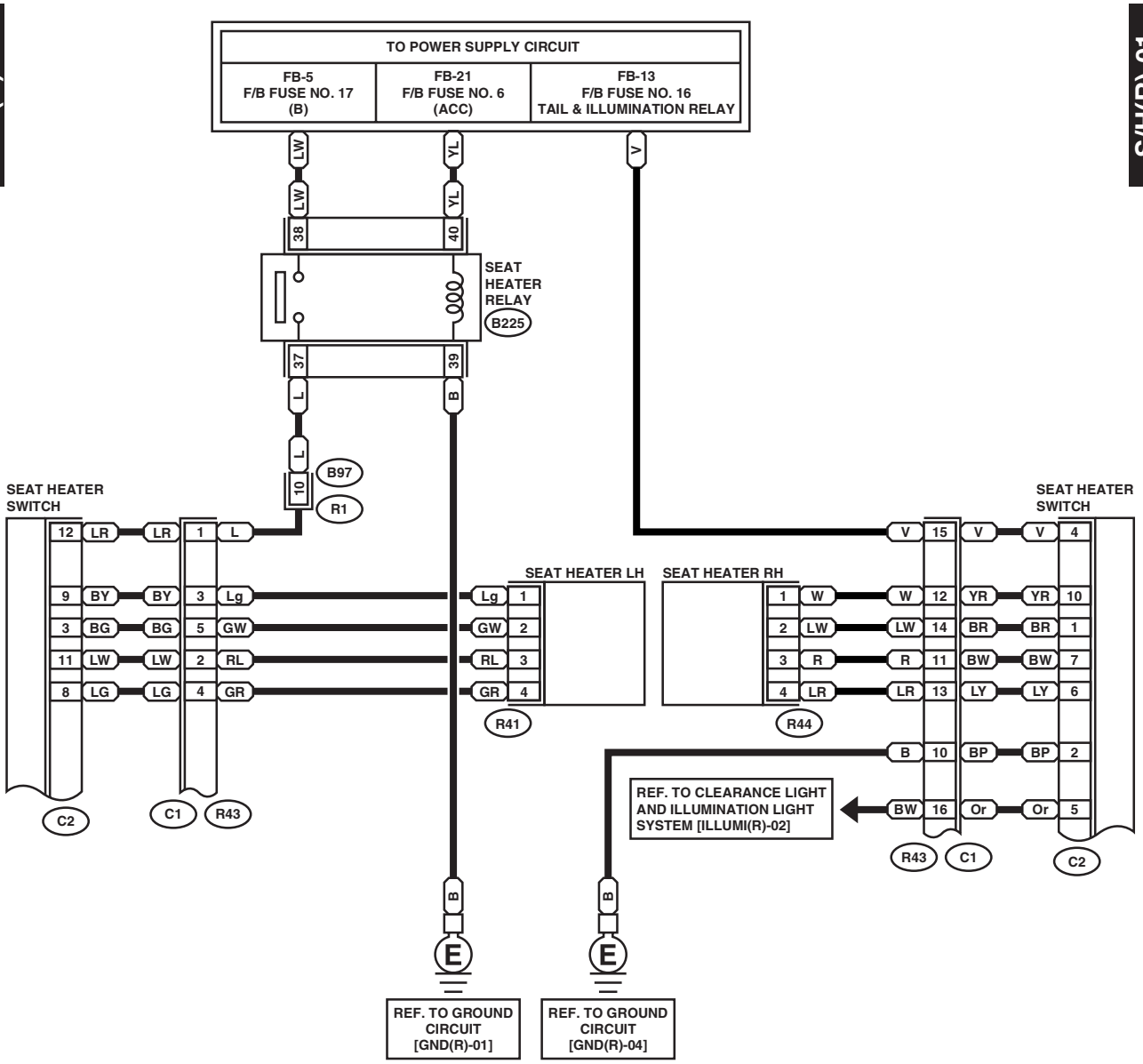
1. LHD MODEL

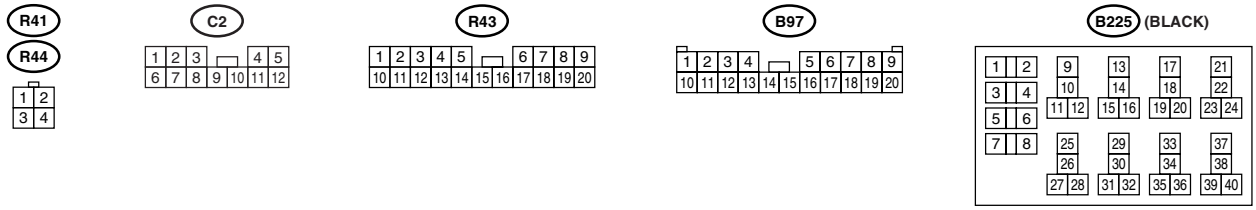


WI-06994

2. RHD MODEL

S/H(R)-01



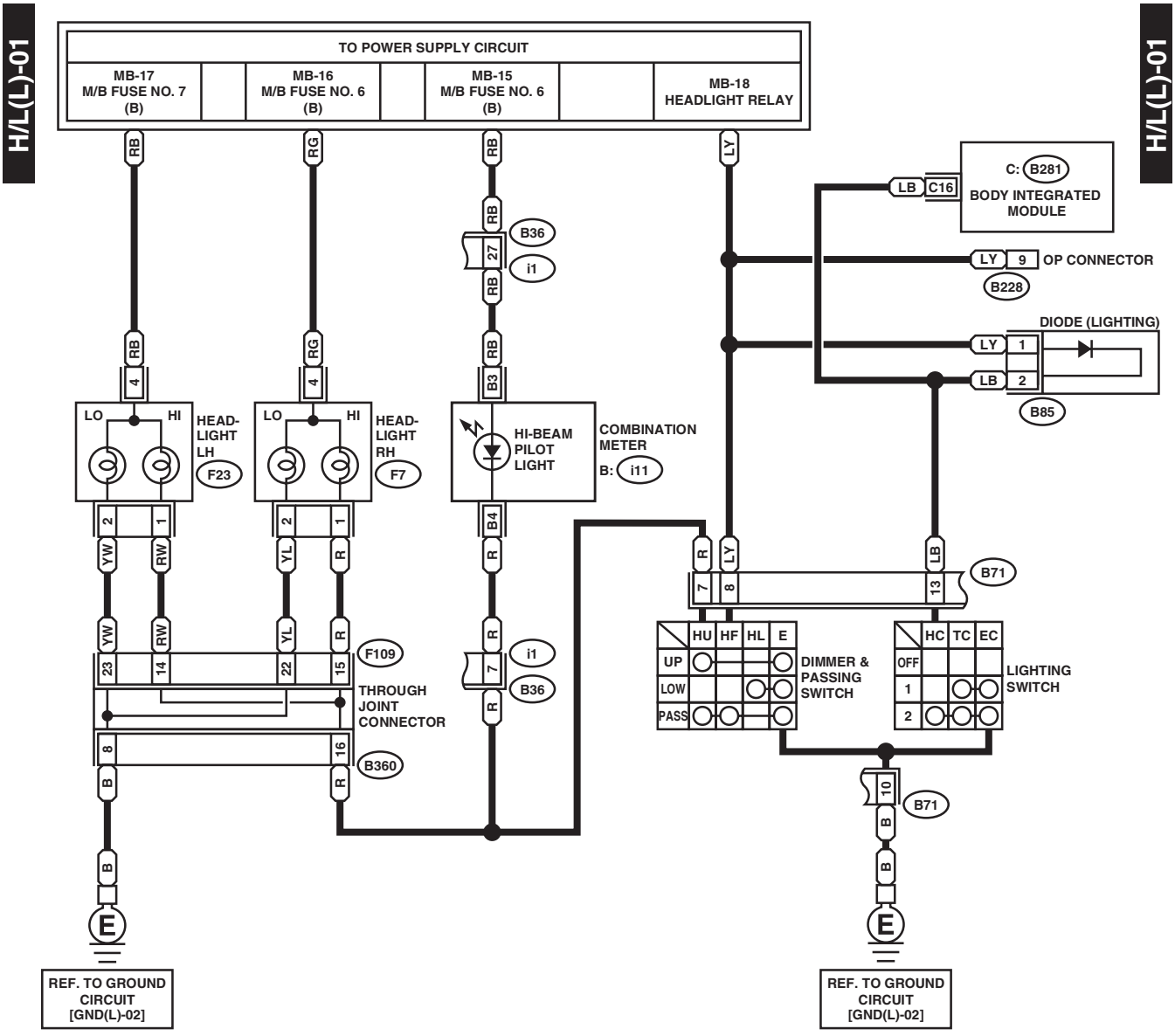


WI-07844

21.Headlight System

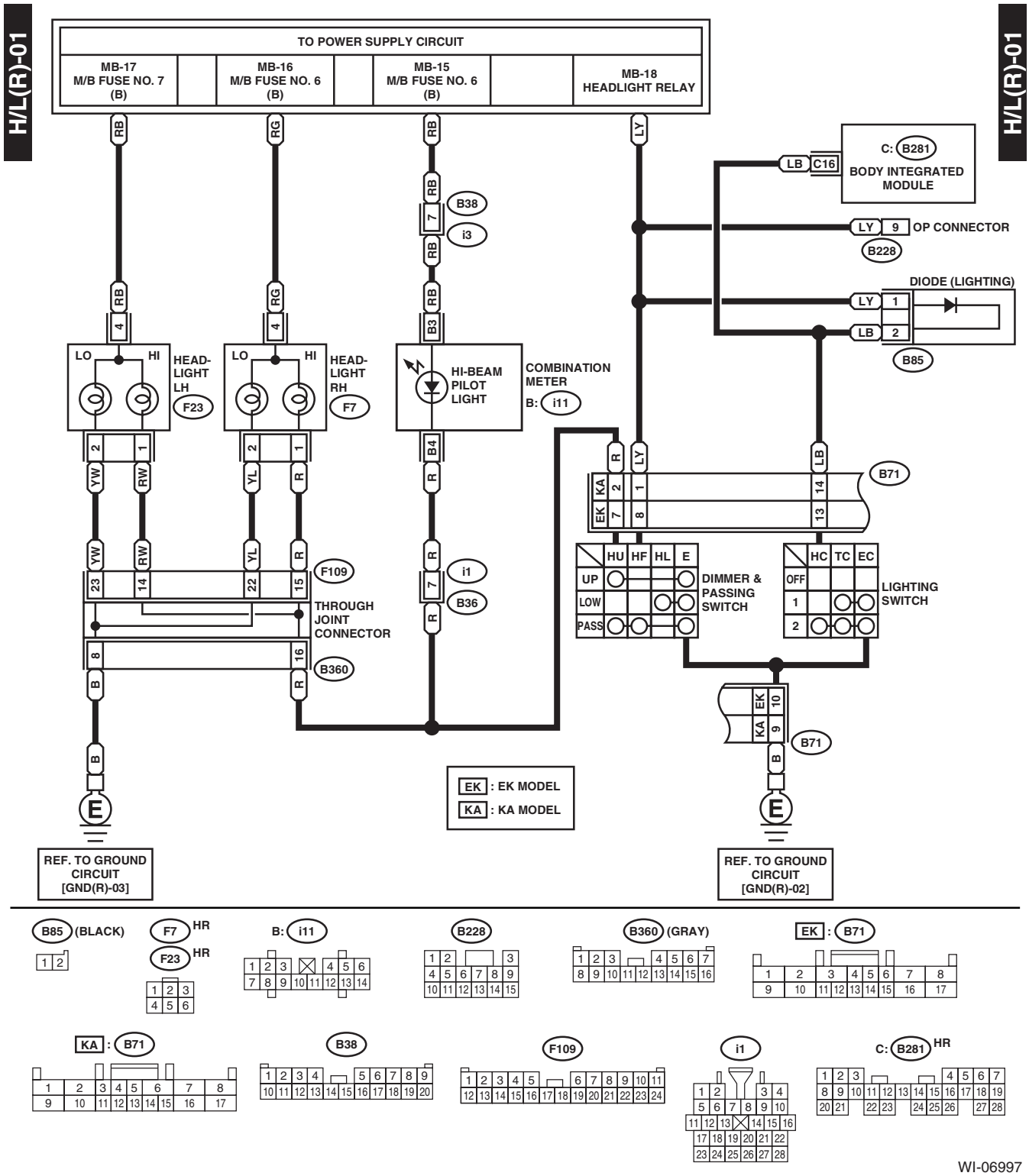
A: WIRING DIAGRAM

1. LHD MODEL



WI-06996

2. RHD MODEL

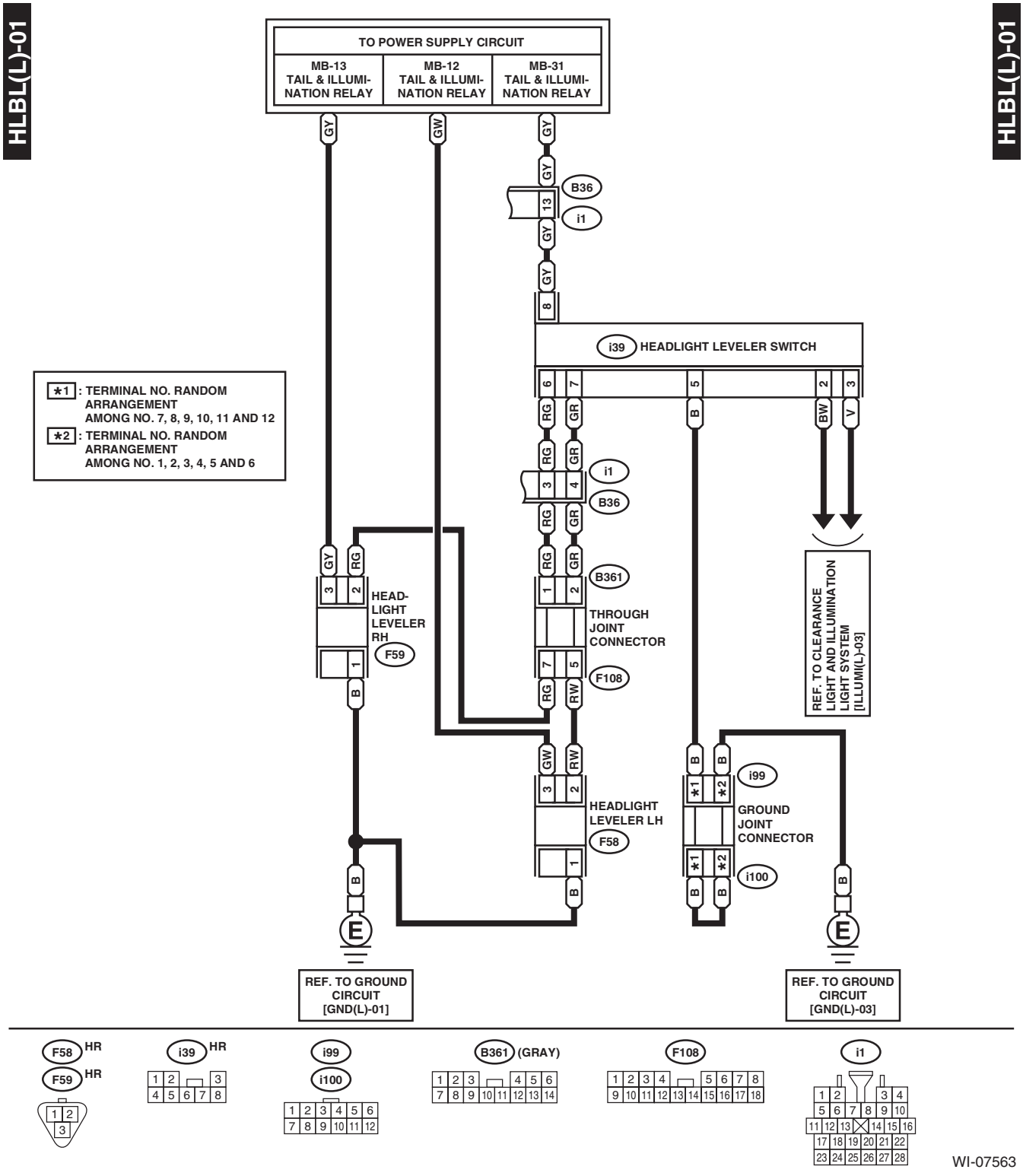


WI-06997

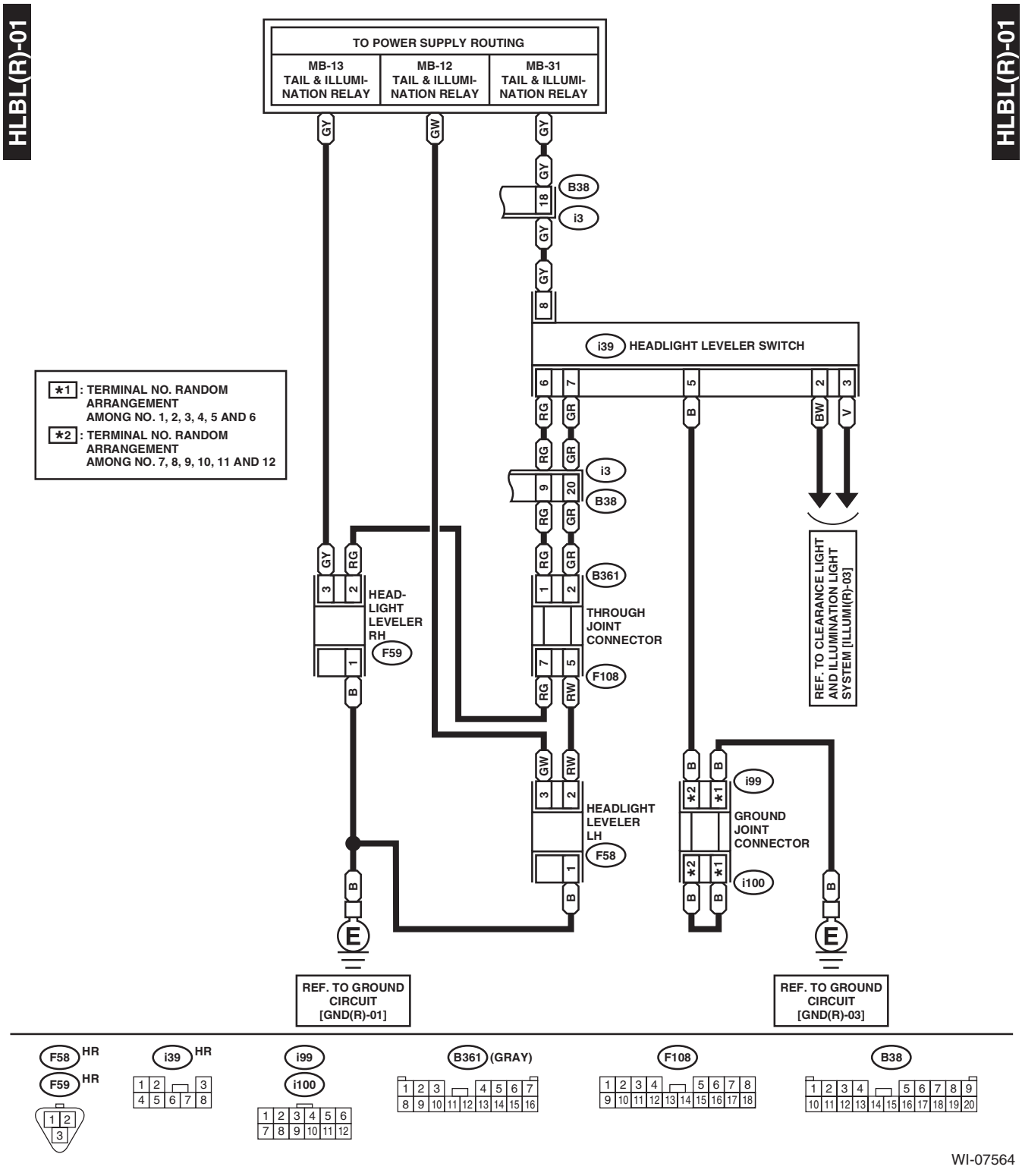
22.Headlight Beam Leveler System

A: WIRING DIAGRAM

1. LHD MODEL



2. RHD MODEL

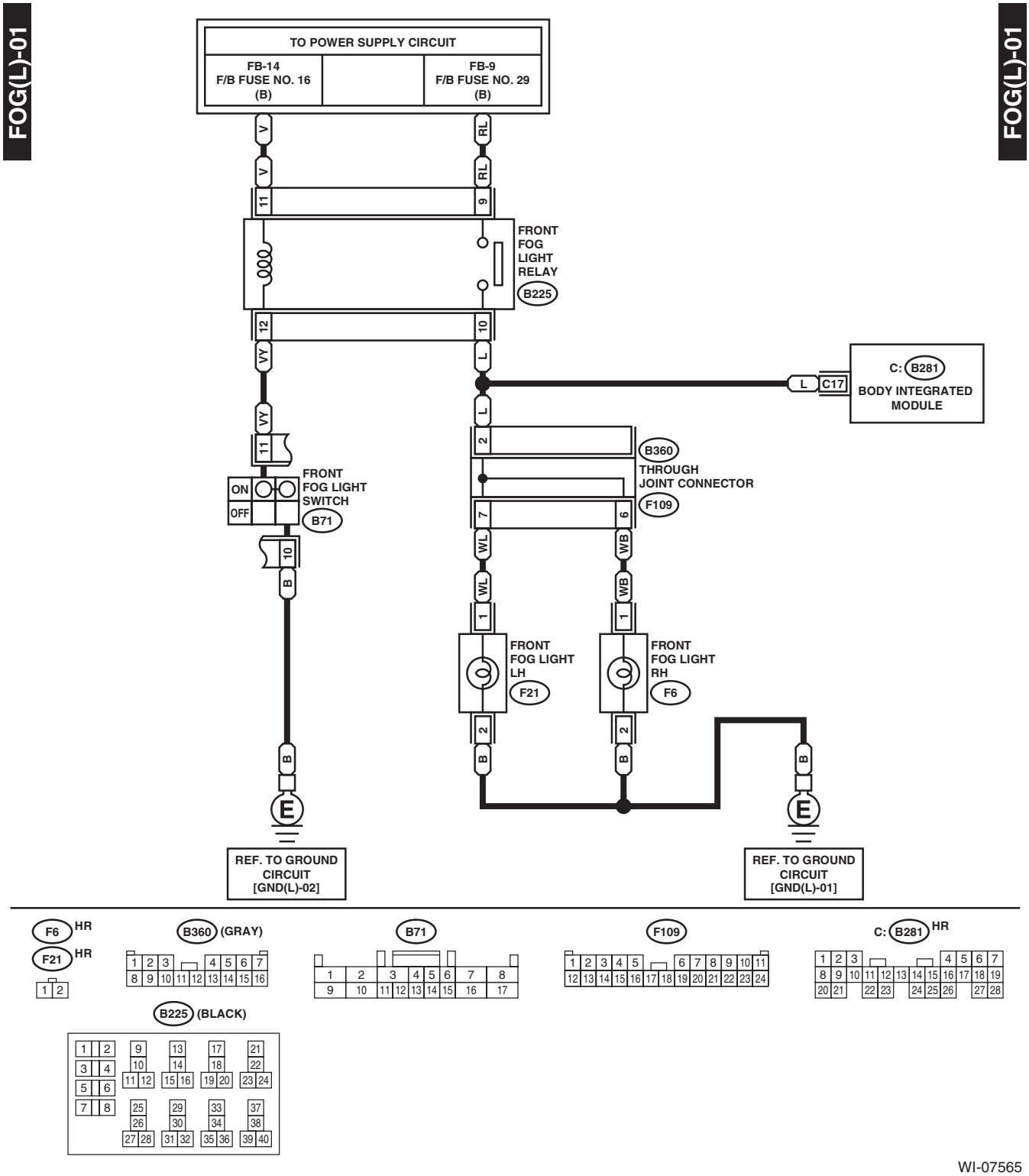


WI-07564

23.Front Fog Light System

A: WIRING DIAGRAM

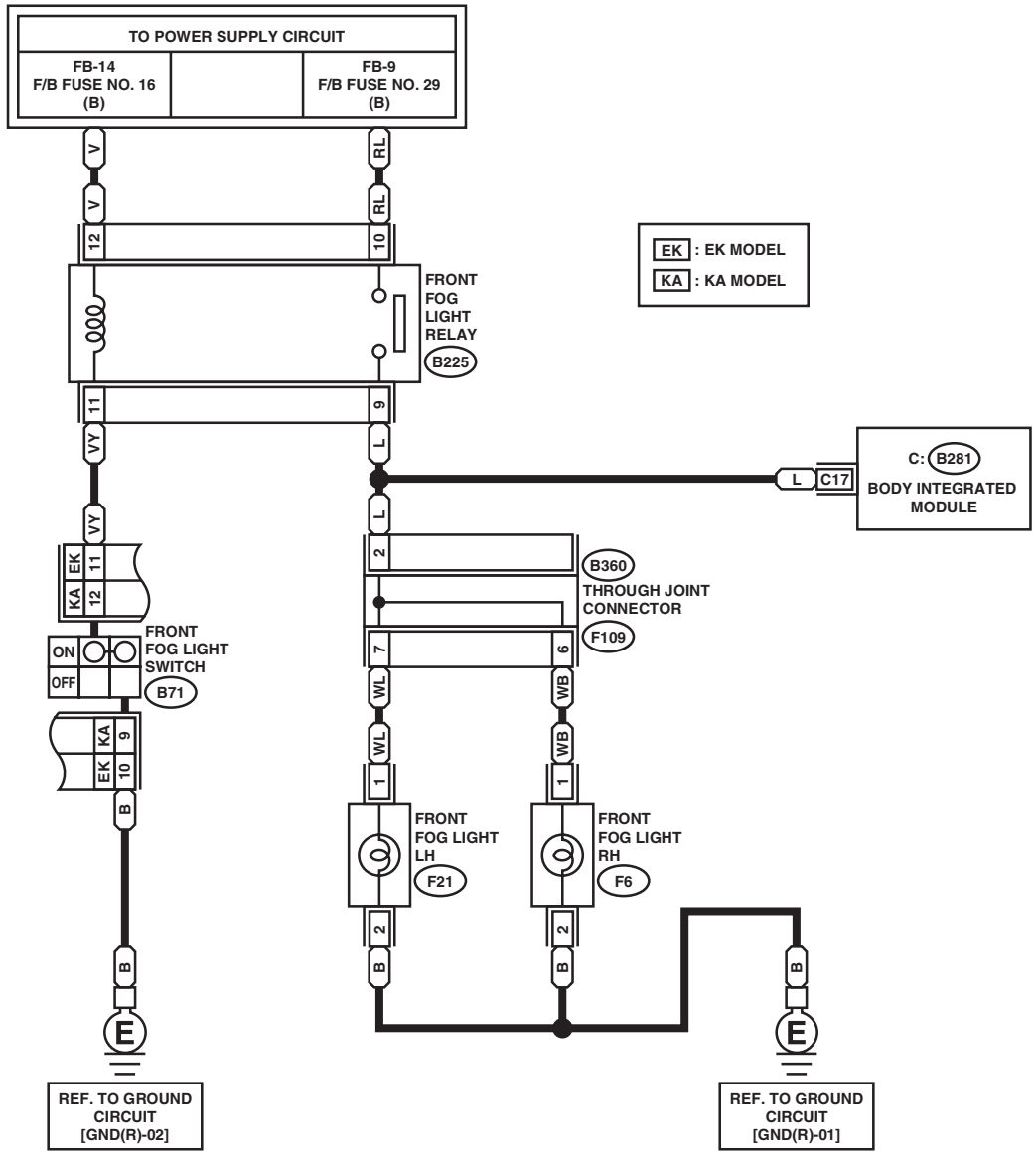
1. LHD MODEL

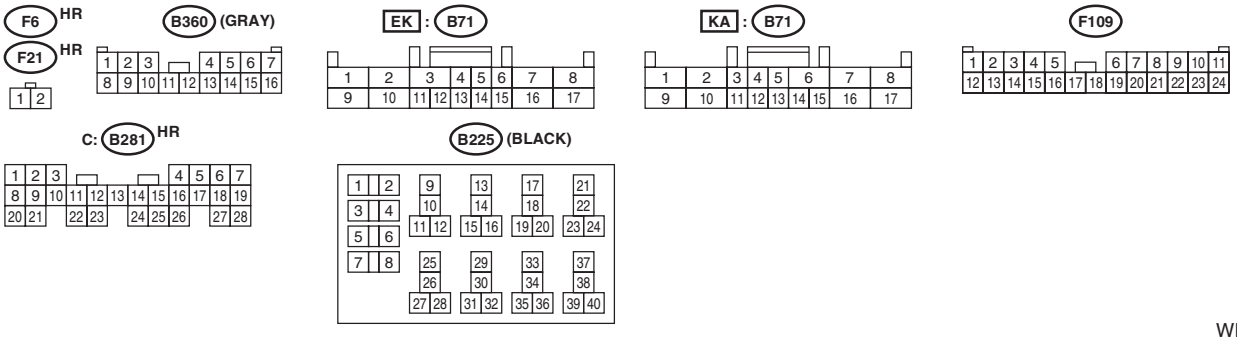


WI-07565

2. RHD MODEL

FOG(R)-01





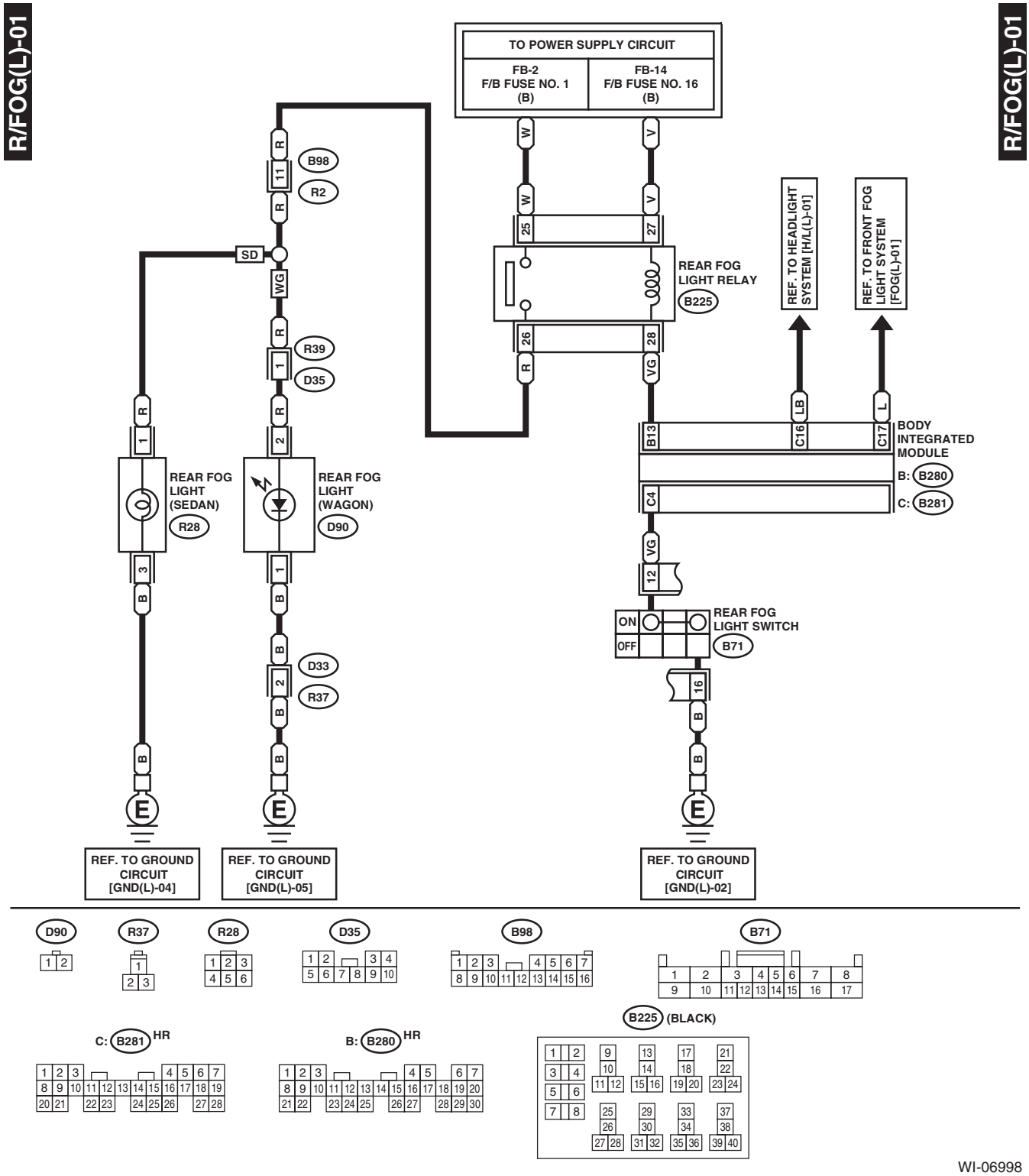
WI-07566

FOG(R)-01

24.Rear Fog Light System

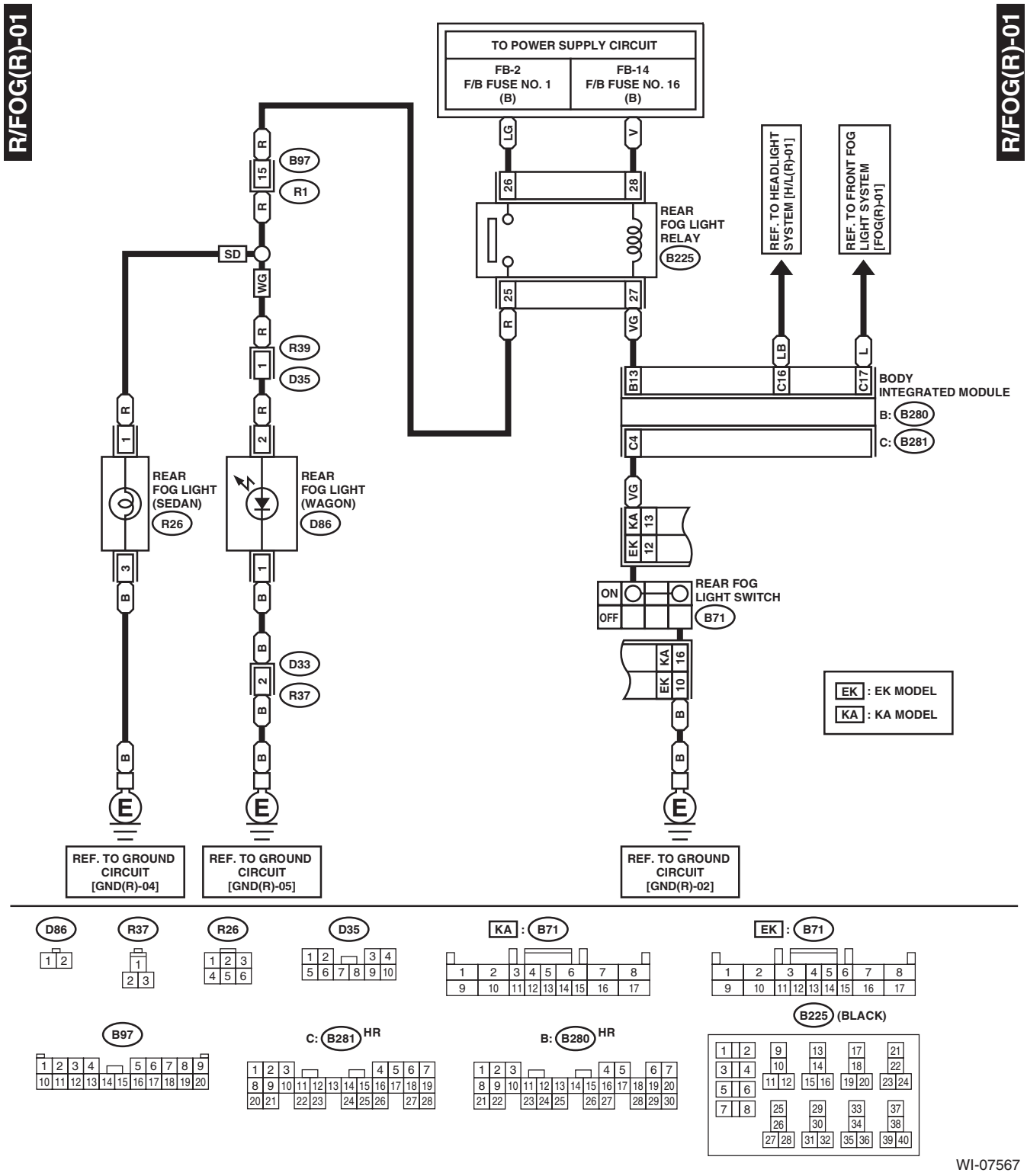
A: WIRING DIAGRAM

1. LHD MODEL



WI-06998

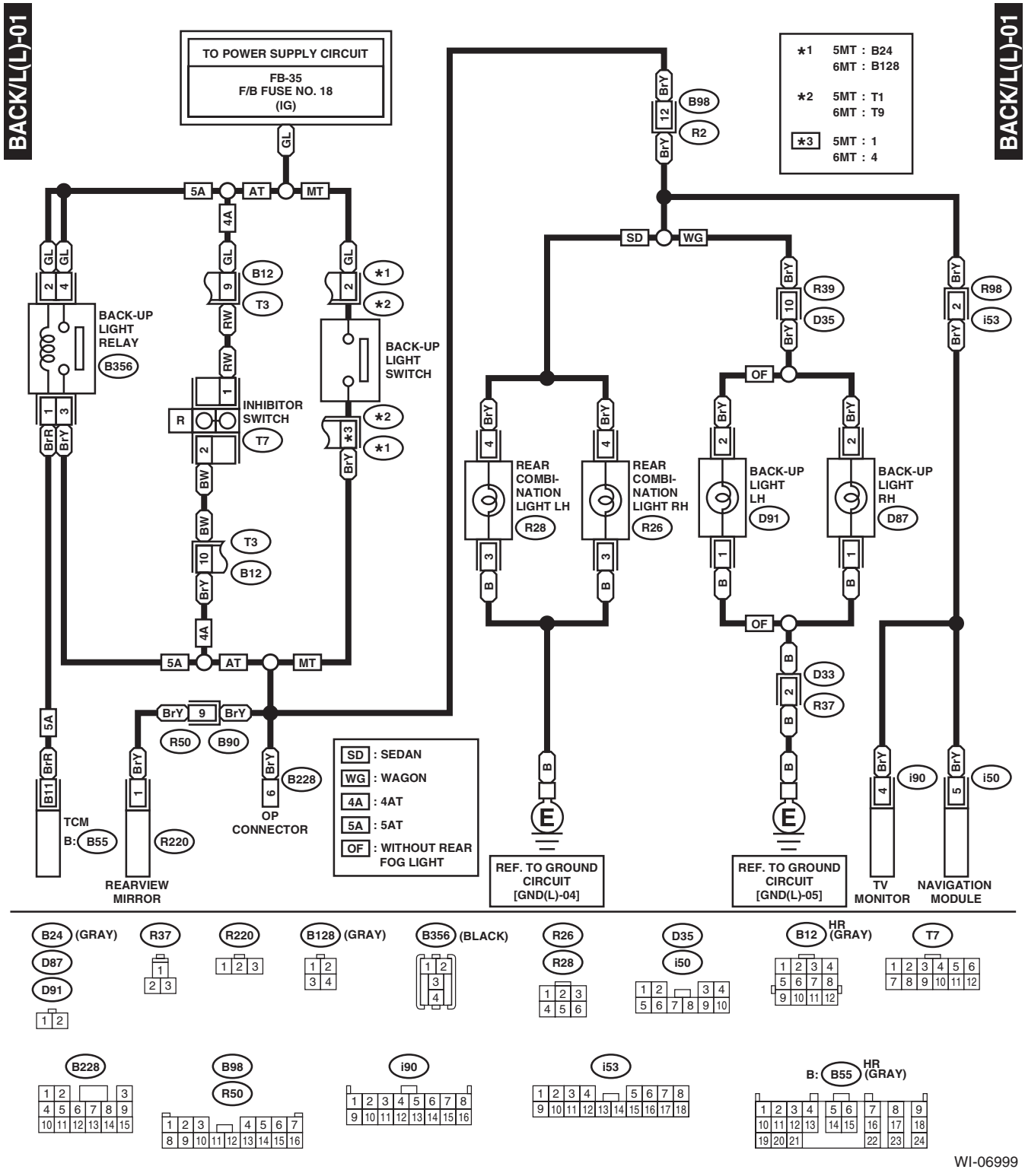
2. RHD MODEL


R/FOG(R)-01
R/FOG(R)-01
TO POWER SUPPLY CIRCUIT
FB-2
F/B FUSE NO. 1
(B)
FB-14
F/B FUSE NO. 16
(B)
REAR
FOG LIGHT
RELAY
B225
REF. TO HEADLIGHT SYSTEM [H/L(R)-01]
REF. TO FRONT FOG LIGHT SYSTEM [FOG(R)-01]
BODY
INTEGRATED MODULE
B: B280
C: B281
REAR
FOG LIGHT
(SEDAN)
R26
REAR
FOG LIGHT
(WAGON)
D86
REAR FOG
LIGHT SWITCH
B71
ON
OFF
EK : EK MODEL
KA : KA MODEL
REF. TO GROUND CIRCUIT [GND(R)-04]
REF. TO GROUND CIRCUIT [GND(R)-05]
REF. TO GROUND CIRCUIT [GND(R)-02]
D86
R37
R26
D35
KA : B71
EK : B71
B97
C: B281 HR
B: B280 HR
B225 (BLACK)
WI-07567

25.Back-up Light System

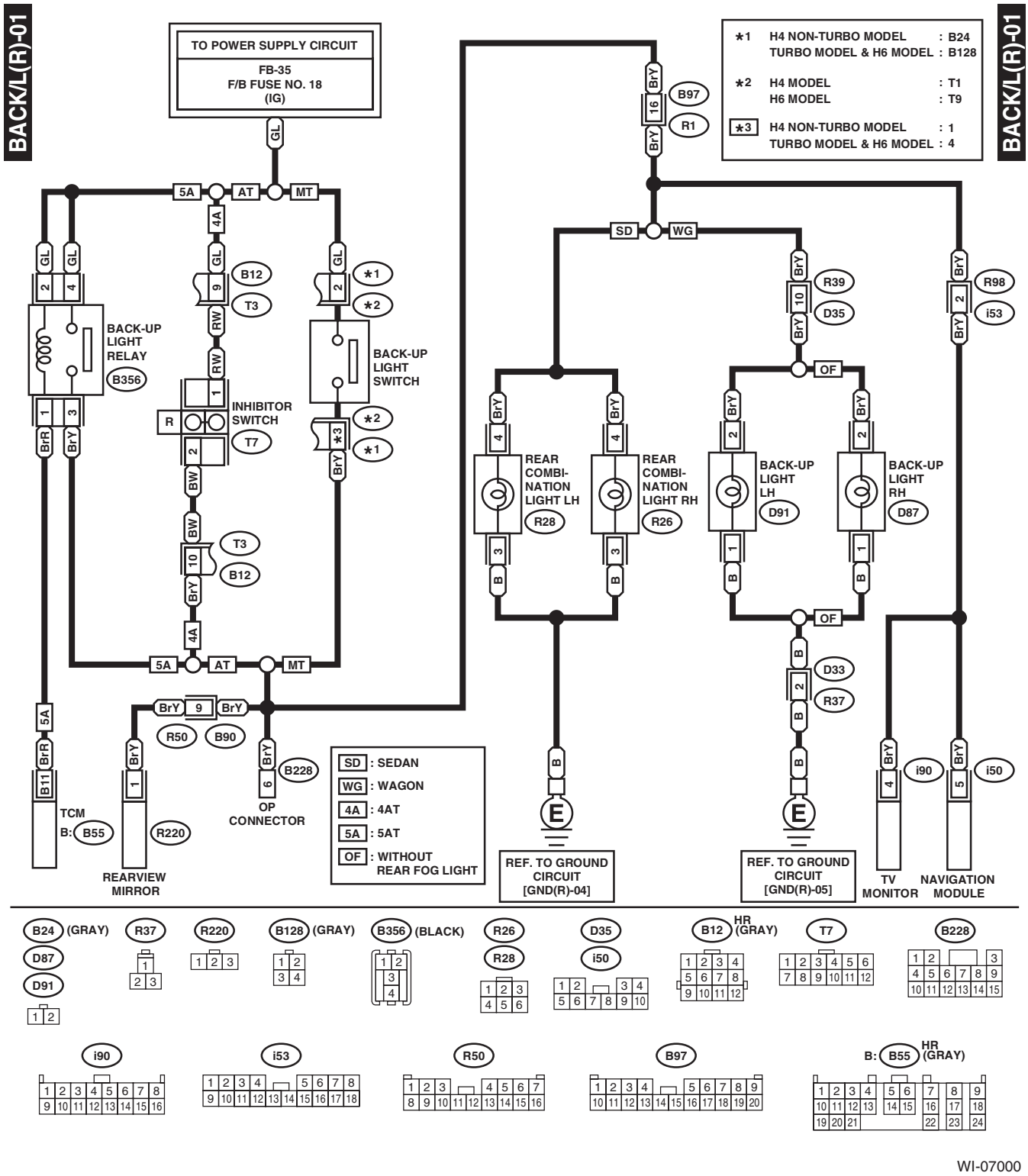
A: WIRING DIAGRAM

1. LHD MODEL



WI-06999

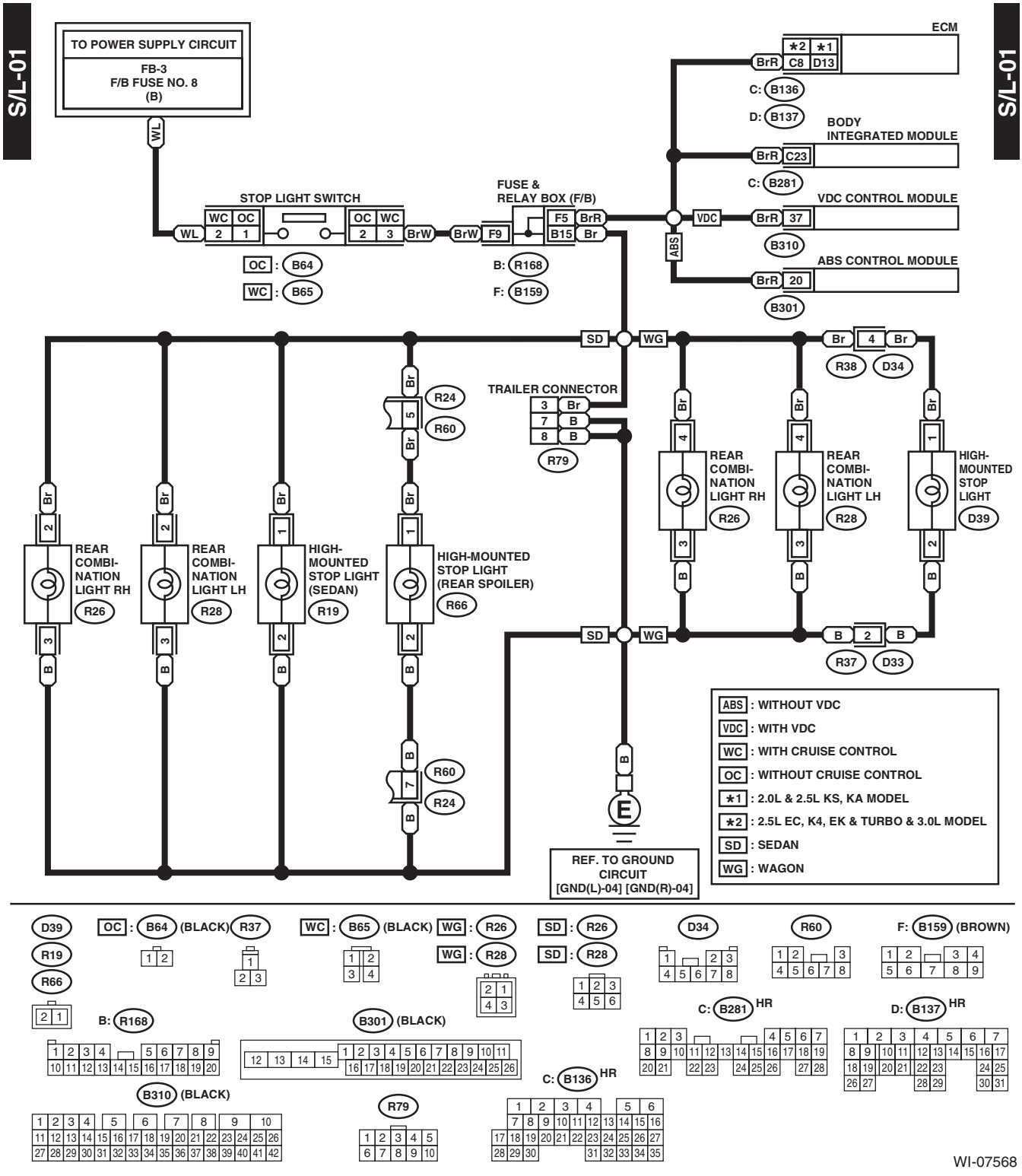
2. RHD MODEL



WI-07000

26.Stop Light System

A: WIRING DIAGRAM

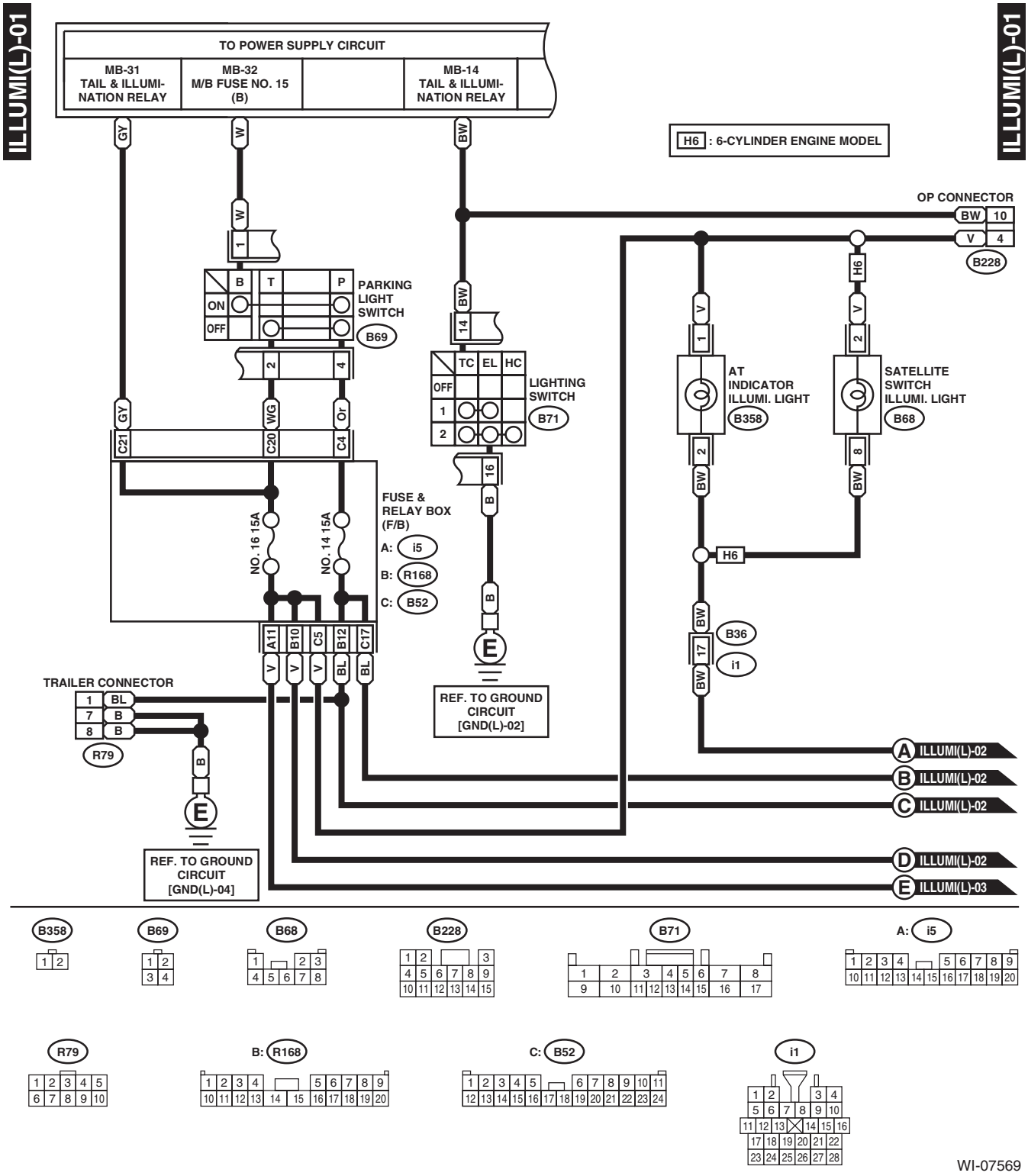


WI-07568

27.Clearance Light and Illumination Light System

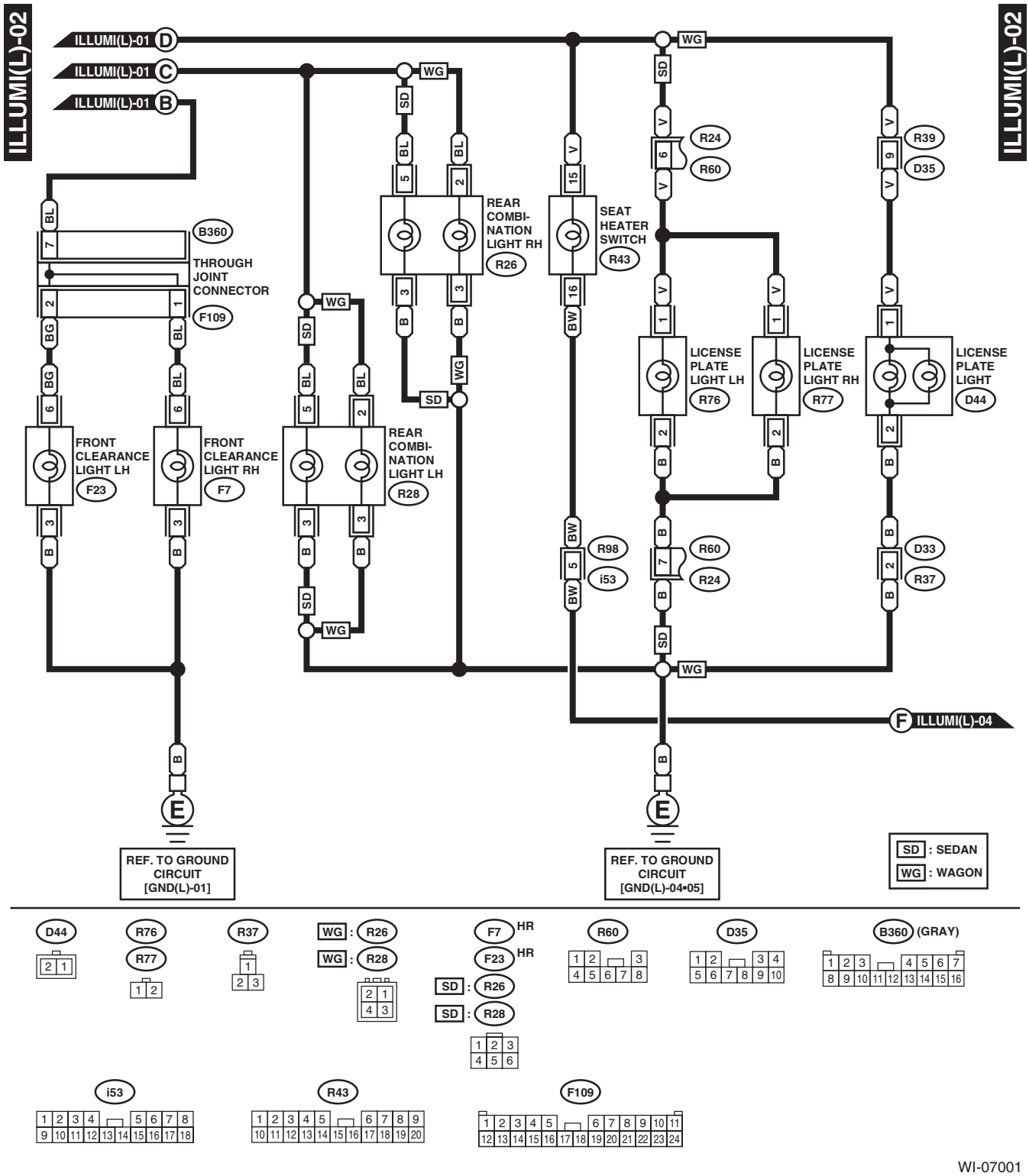
A: WIRING DIAGRAM

1. LHD MODEL

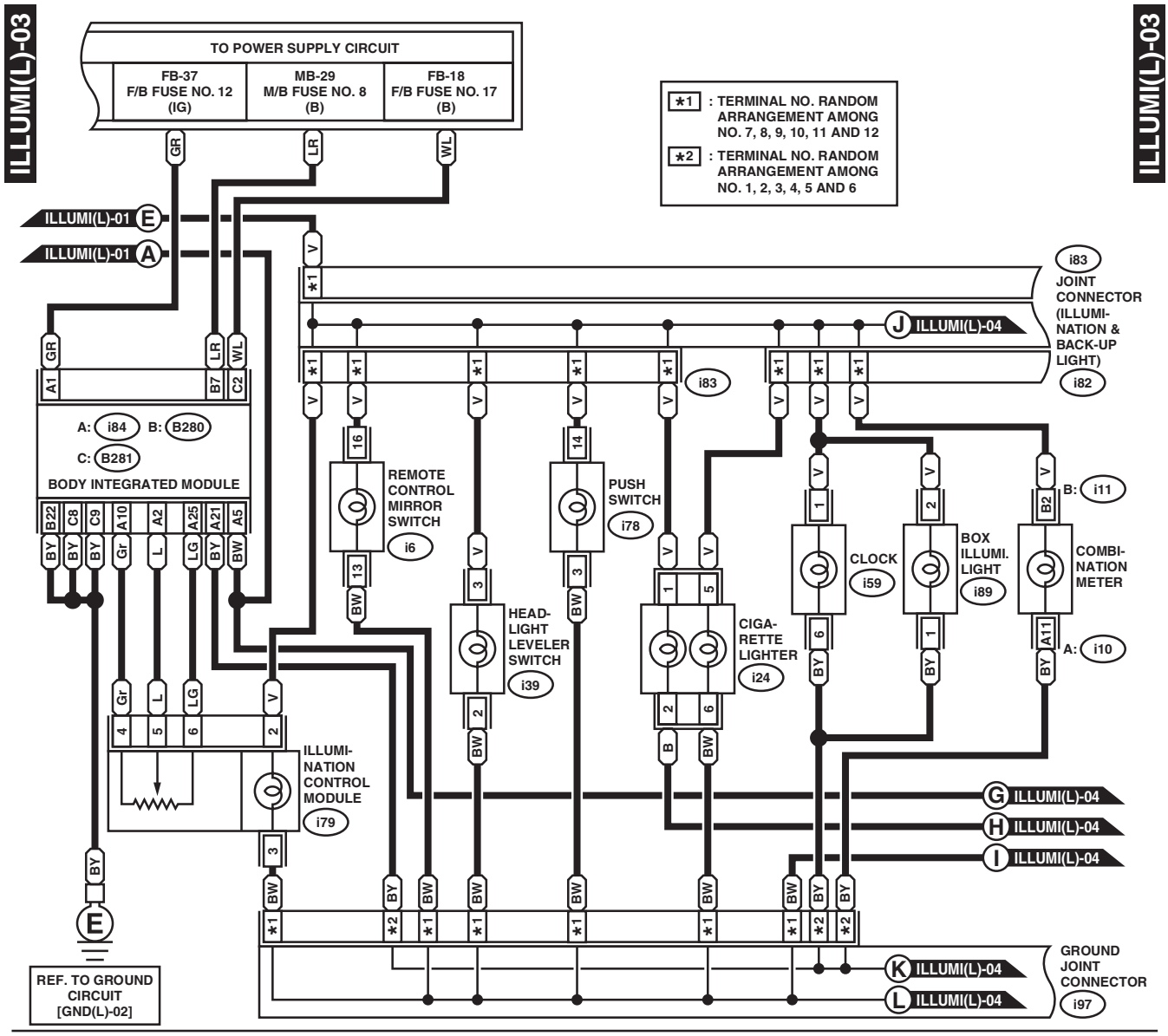


WI-07569

Clearance Light and Illumination Light System

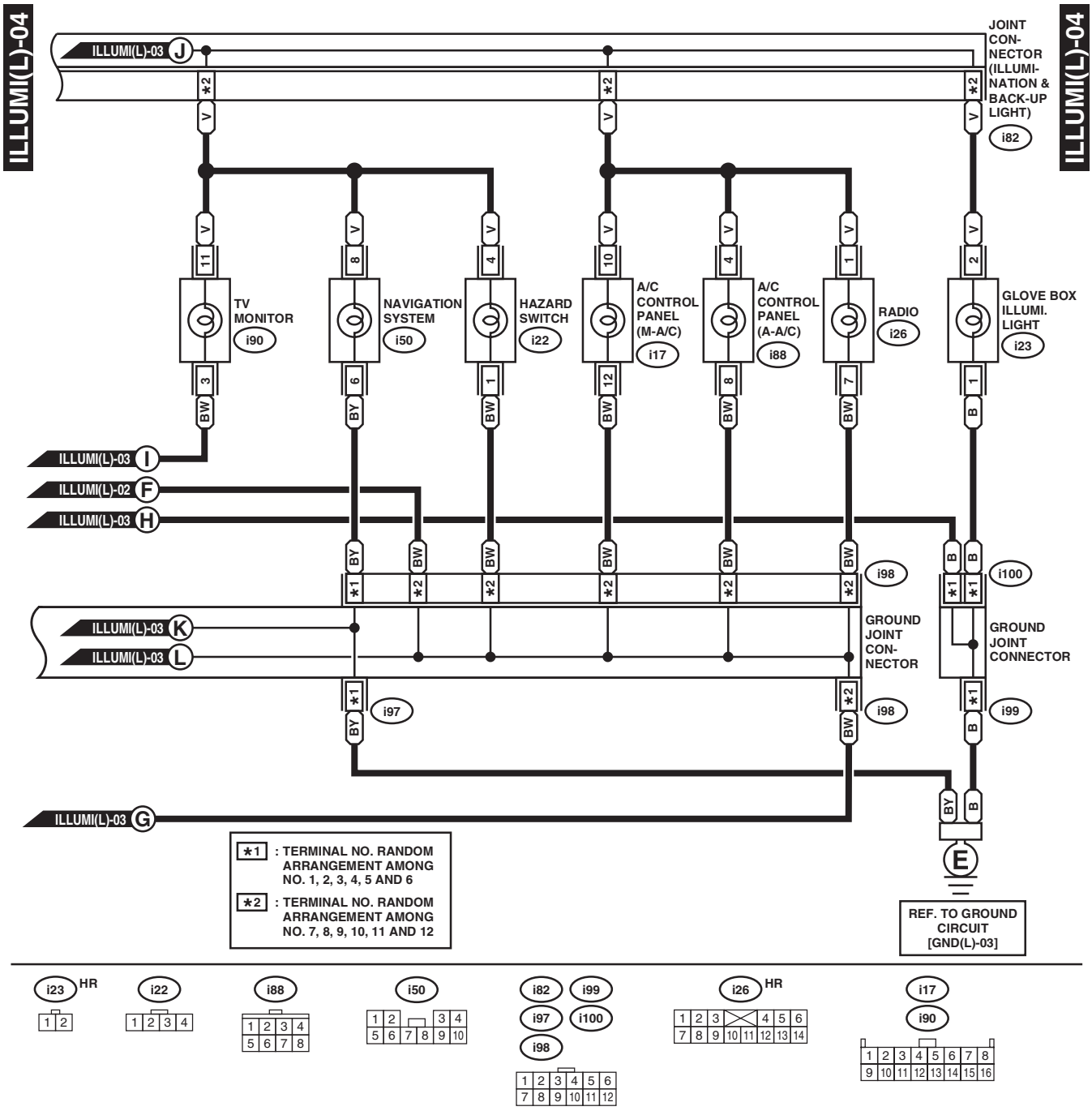


WI-07001


ILLUMI(L)-03
TO POWER SUPPLY CIRCUIT
FB-37 F/B FUSE NO. 12 (IG)
MB-29 M/B FUSE NO. 8 (B)
FB-18 F/B FUSE NO. 17 (B)
*1 : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 7, 8, 9, 10, 11 AND 12
*2 : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 1, 2, 3, 4, 5 AND 6
ILLUMI(L)-01 E
ILLUMI(L)-01 A
i83 JOINT CONNECTOR (ILLUMI-NATION & BACK-UP LIGHT) i82
J ILLUMI(L)-04
A: i84 B: B280
C: B281
BODY INTEGRATED MODULE
REMOTE CONTROL MIRROR SWITCH i6
PUSH SWITCH i78
HEAD-LIGHT LEVELER SWITCH i39
CIGA-RETTE LIGHTER i24
CLOCK i59
BOX ILLUMI. LIGHT i89
COMBI-NATION METER
B: i11
A: i10
ILLUMI-NATION CONTROL MODULE i79
G ILLUMI(L)-04
H ILLUMI(L)-04
I ILLUMI(L)-04
K ILLUMI(L)-04
L ILLUMI(L)-04
GROUND JOINT CONNECTOR i97
REF. TO GROUND CIRCUIT [GND(L)-02]

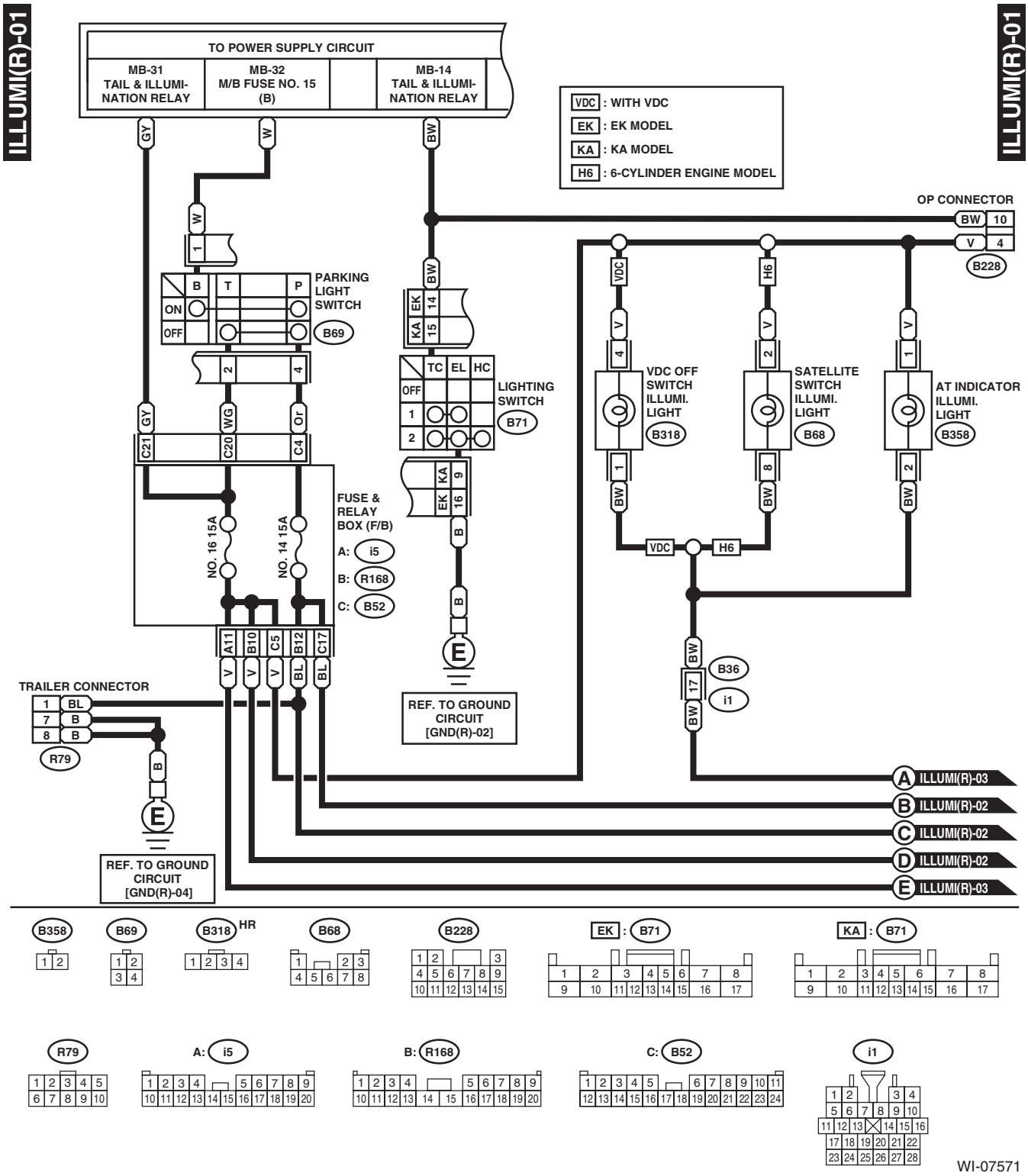
WI-07002

Clearance Light and Illumination Light System

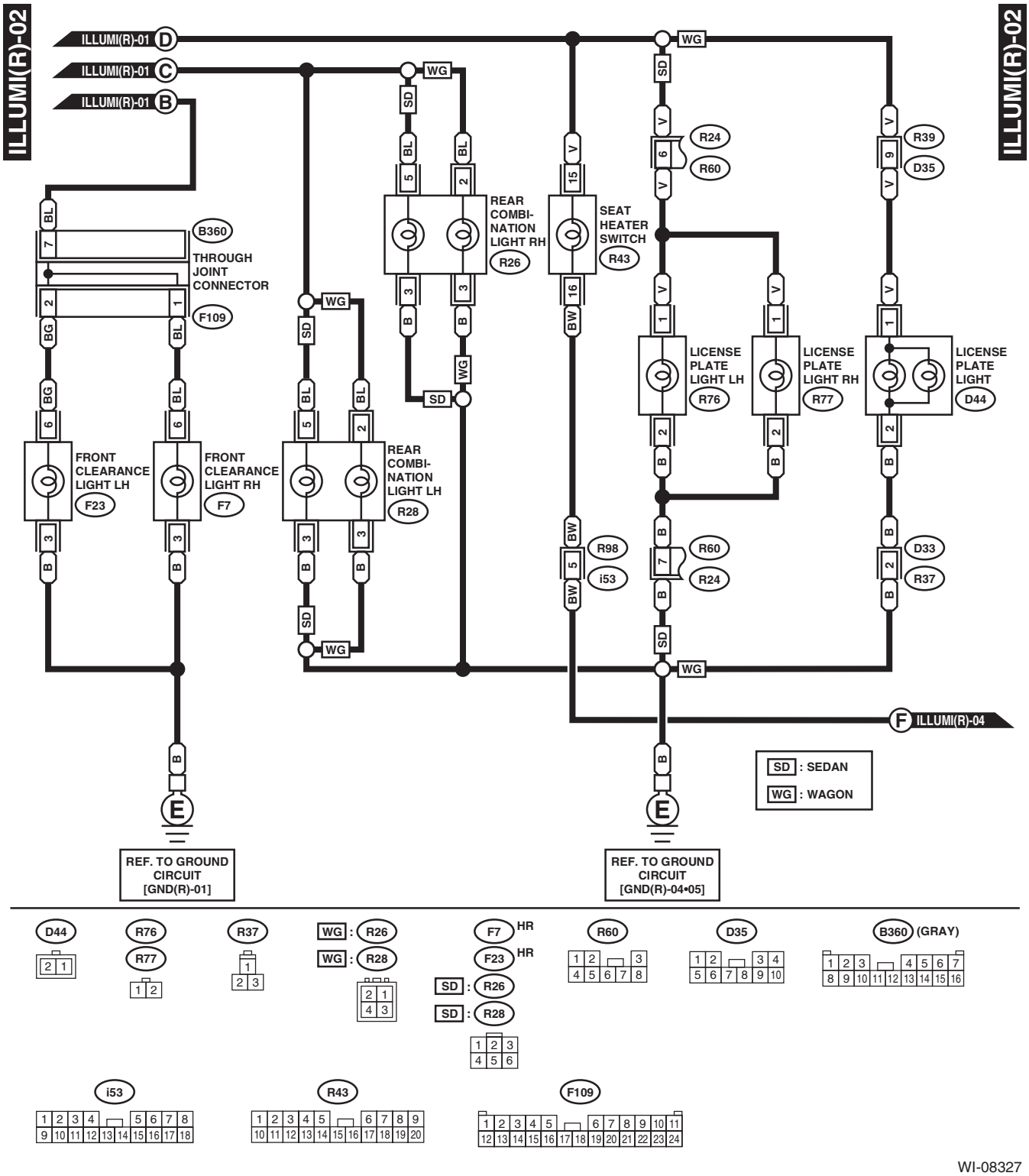


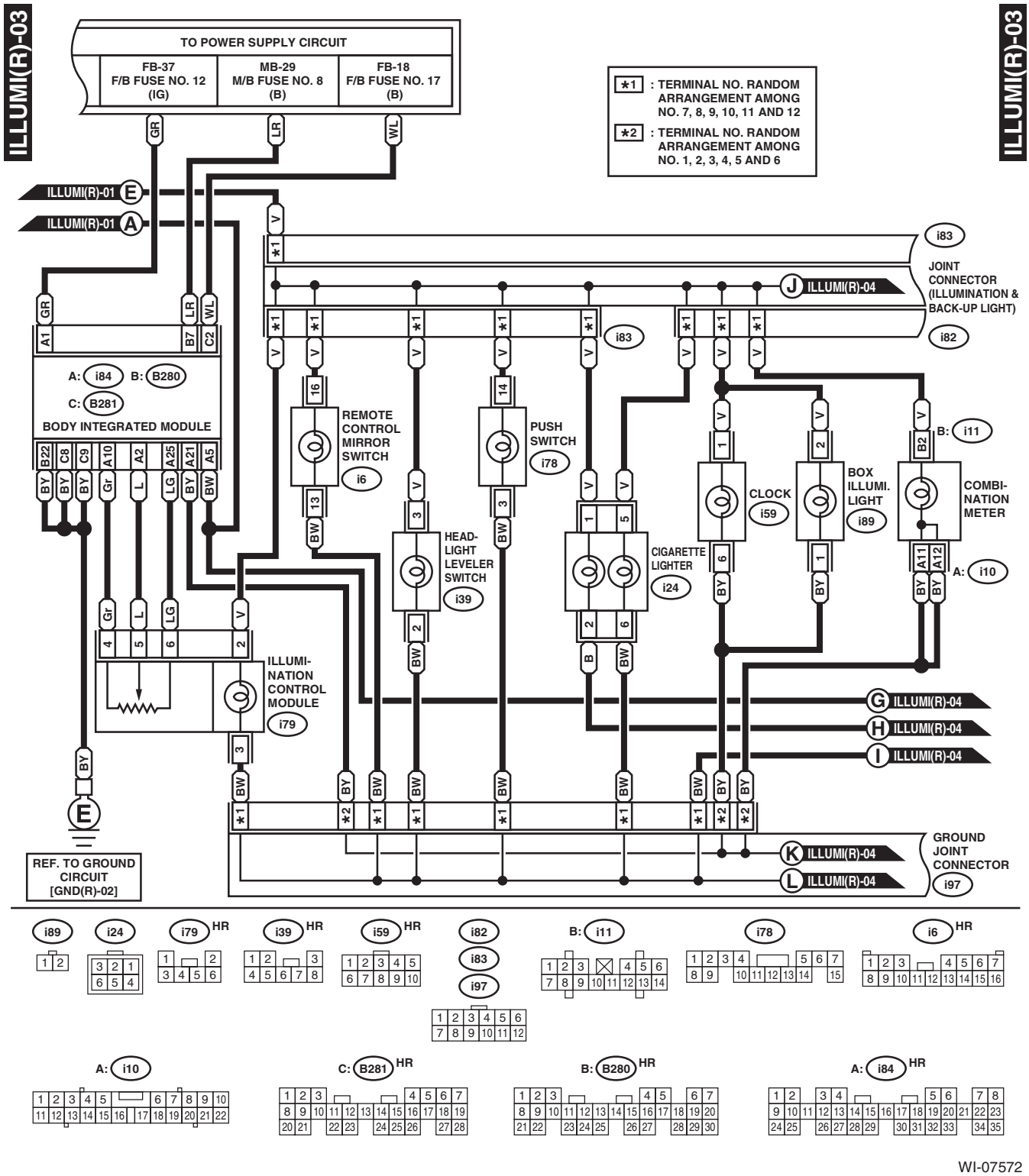
WI-07570

2. RHD MODEL


ILLUMI(R)-01
ILLUMI(R)-01
TO POWER SUPPLY CIRCUIT
MB-31 TAIL & ILLUMI-NATION RELAY
MB-32 M/B FUSE NO. 15 (B)
MB-14 TAIL & ILLUMI-NATION RELAY
VDC : WITH VDC
EK : EK MODEL
KA : KA MODEL
H6 : 6-CYLINDER ENGINE MODEL
OP CONNECTOR
B228
PARKING LIGHT SWITCH
B69
LIGHTING SWITCH
B71
VDC OFF SWITCH ILLUMI. LIGHT
B318
SATELLITE SWITCH ILLUMI. LIGHT
B68
AT INDICATOR ILLUMI. LIGHT
B358
FUSE & RELAY BOX (F/B)
A: i5
B: R168
C: B52
NO. 16 15A
NO. 14 15A
B36
i1
TRAILER CONNECTOR
R79
REF. TO GROUND CIRCUIT [GND(R)-02]
REF. TO GROUND CIRCUIT [GND(R)-04]
A ILLUMI(R)-03
B ILLUMI(R)-02
C ILLUMI(R)-02
D ILLUMI(R)-02
E ILLUMI(R)-03
B358
B69
B318 HR
B68
B228
EK : B71
KA : B71
R79
A: i5
B: R168
C: B52
i1
WI-07571

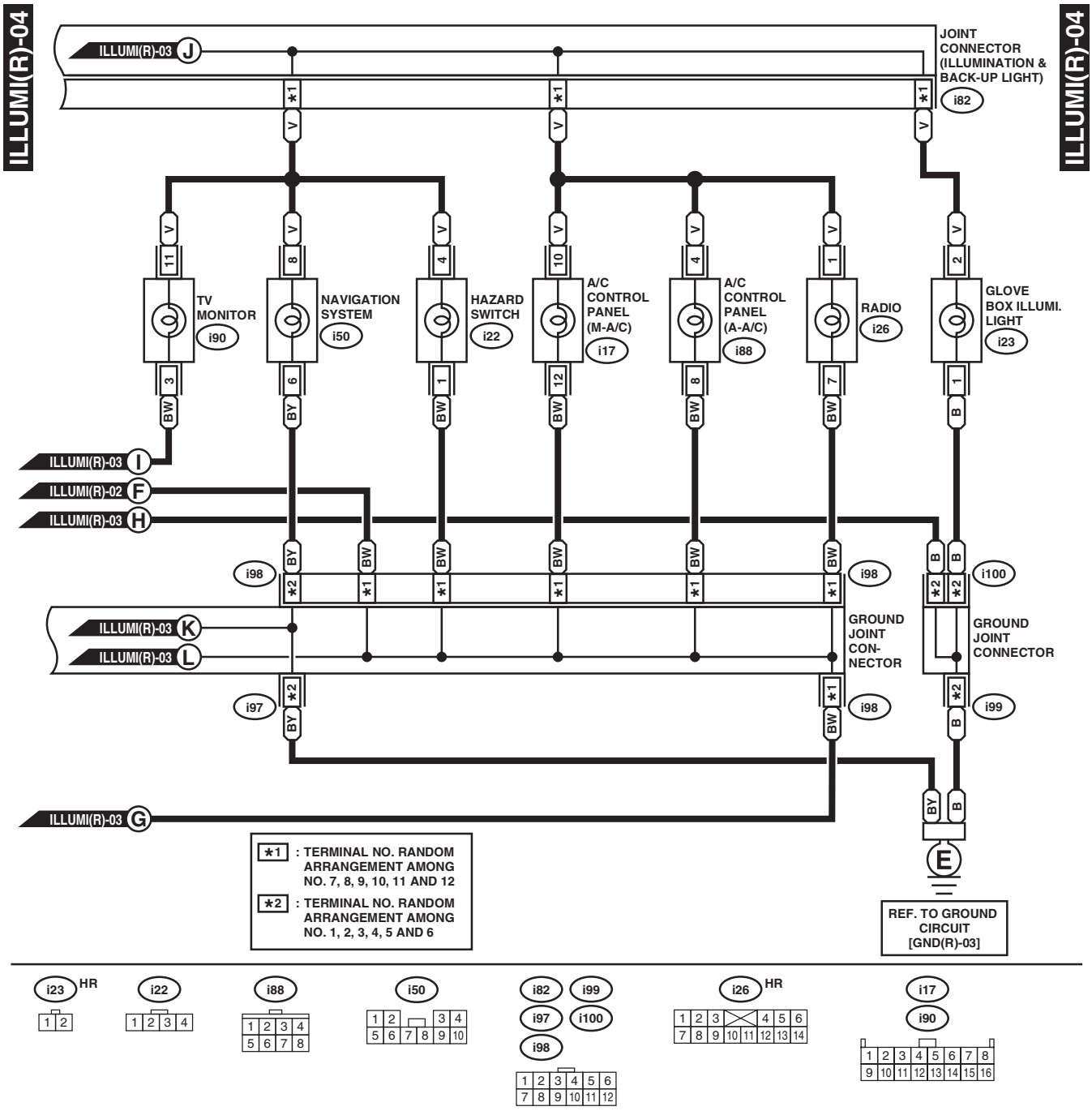
Clearance Light and Illumination Light System




ILLUMI(R)-03
TO POWER SUPPLY CIRCUIT
FB-37 F/B FUSE NO. 12 (IG)
MB-29 M/B FUSE NO. 8 (B)
FB-18 F/B FUSE NO. 17 (B)
*1 : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 7, 8, 9, 10, 11 AND 12
*2 : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 1, 2, 3, 4, 5 AND 6
ILLUMI(R)-01 E
ILLUMI(R)-01 A
i83
JOINT CONNECTOR (ILLUMINATION & BACK-UP LIGHT)
J ILLUMI(R)-04
i82
A: i84 B: B280
C: B281
BODY INTEGRATED MODULE
REMOTE CONTROL MIRROR SWITCH
i6
PUSH SWITCH
i78
HEAD-LIGHT LEVELER SWITCH
i39
CIGARETTE LIGHTER
i24
CLOCK
i59
BOX ILLUMI. LIGHT
i89
COMBI-NATION METER
B: i11
A: i10
ILLUMI-NATION CONTROL MODULE
i79
G ILLUMI(R)-04
H ILLUMI(R)-04
I ILLUMI(R)-04
K ILLUMI(R)-04
L ILLUMI(R)-04
GROUND JOINT CONNECTOR
i97
REF. TO GROUND CIRCUIT [GND(R)-02]
i89
i24
i79 HR
i39 HR
i59 HR
i82
i83
i97
B: i11
i78
i6 HR
A: i10
C: B281 HR
B: B280 HR
A: i84 HR

WI-07572

Clearance Light and Illumination Light System

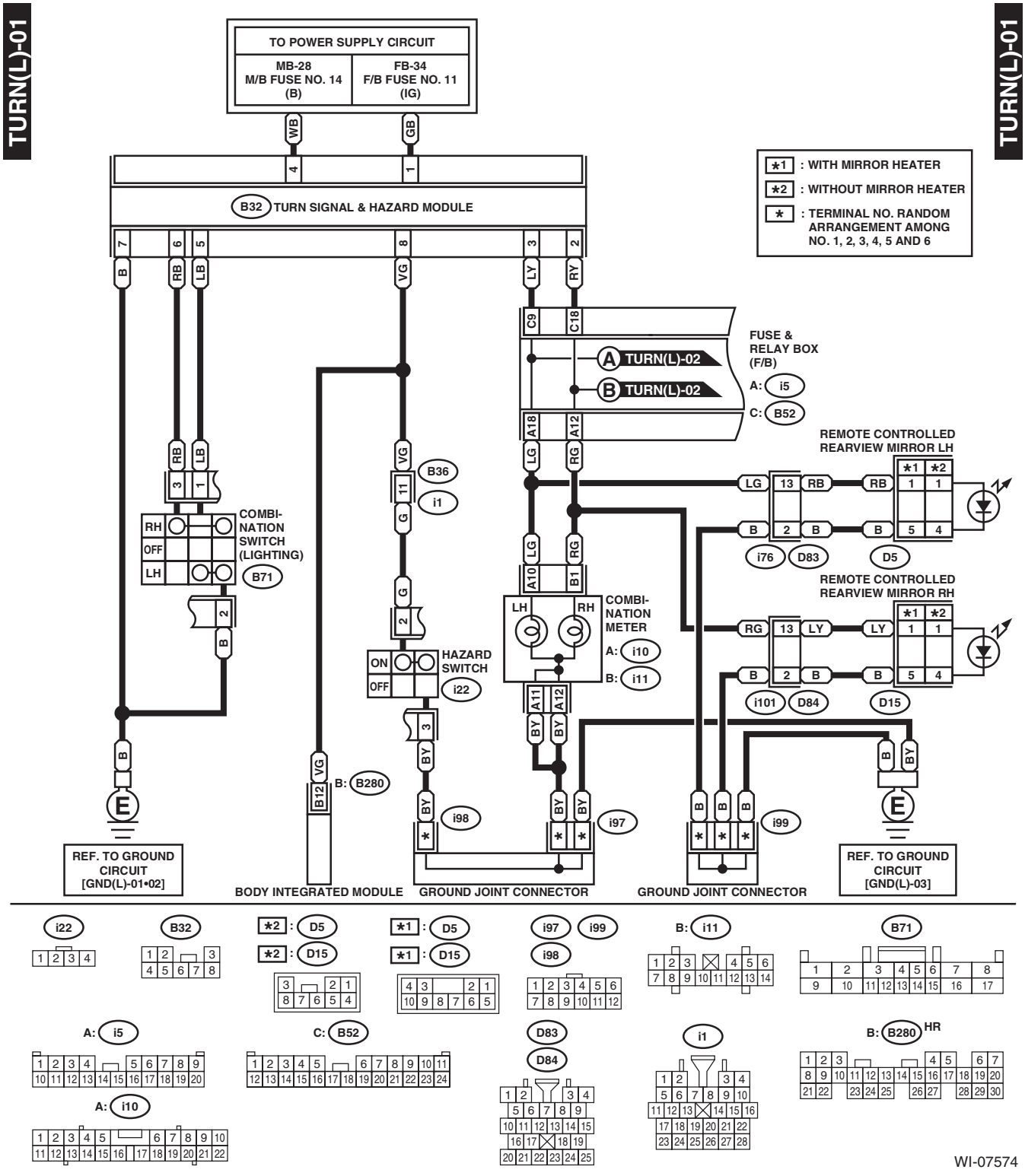


WI-07573

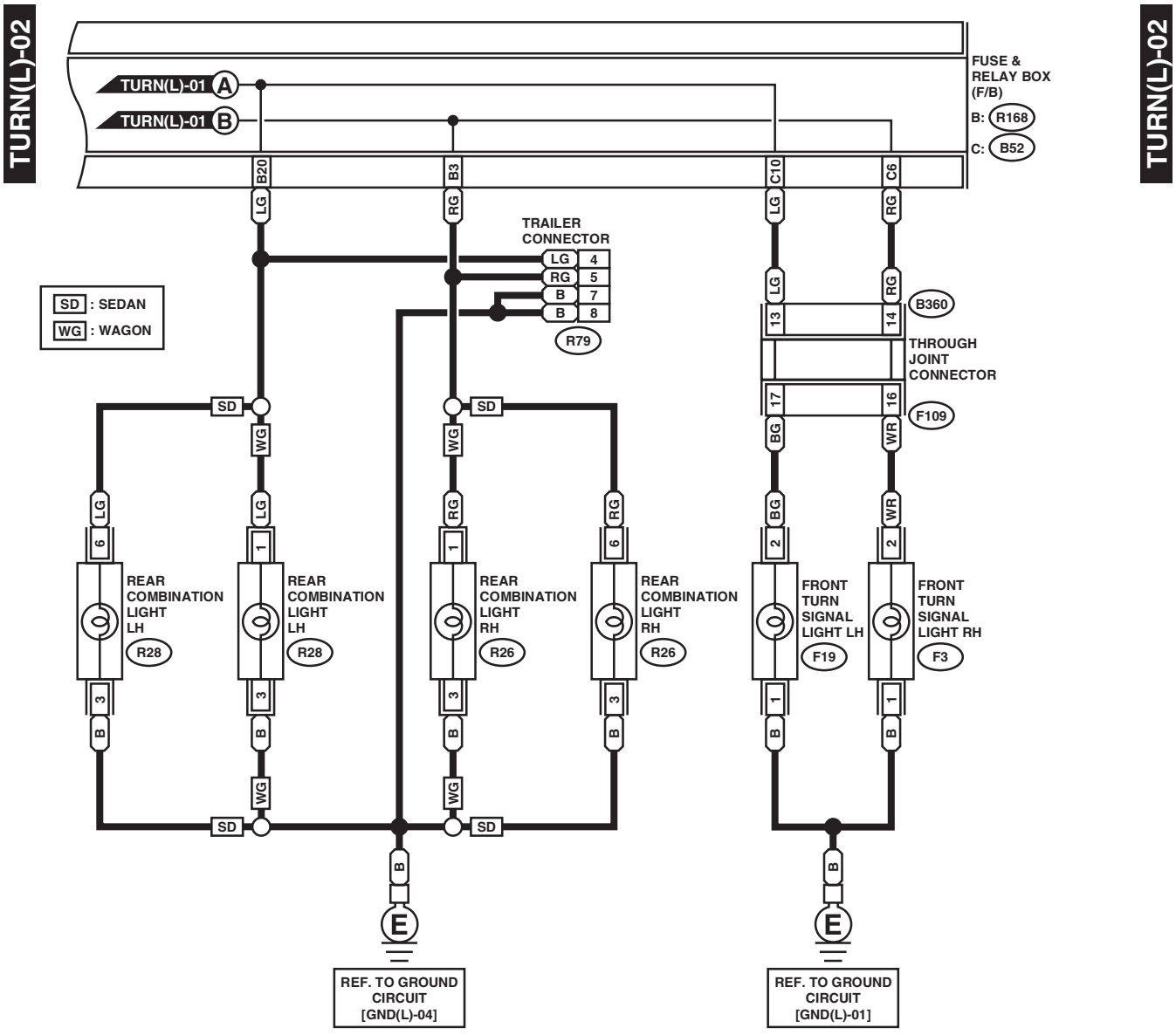
28.Turn Signal Light and Hazard Light System

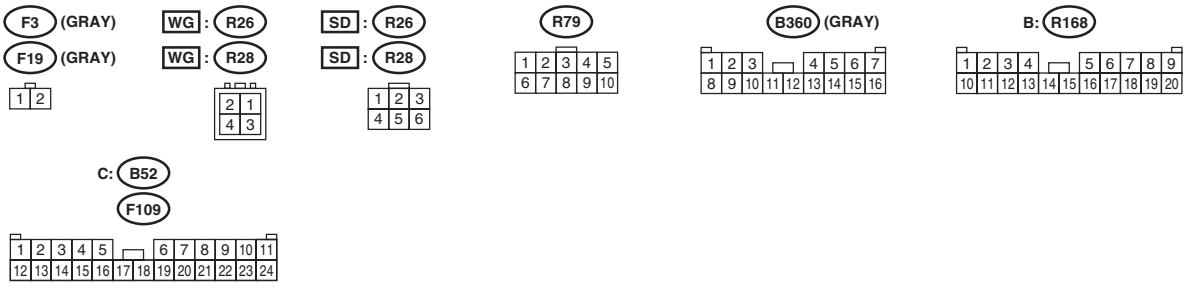
A: WIRING DIAGRAM

1. LHD MODEL



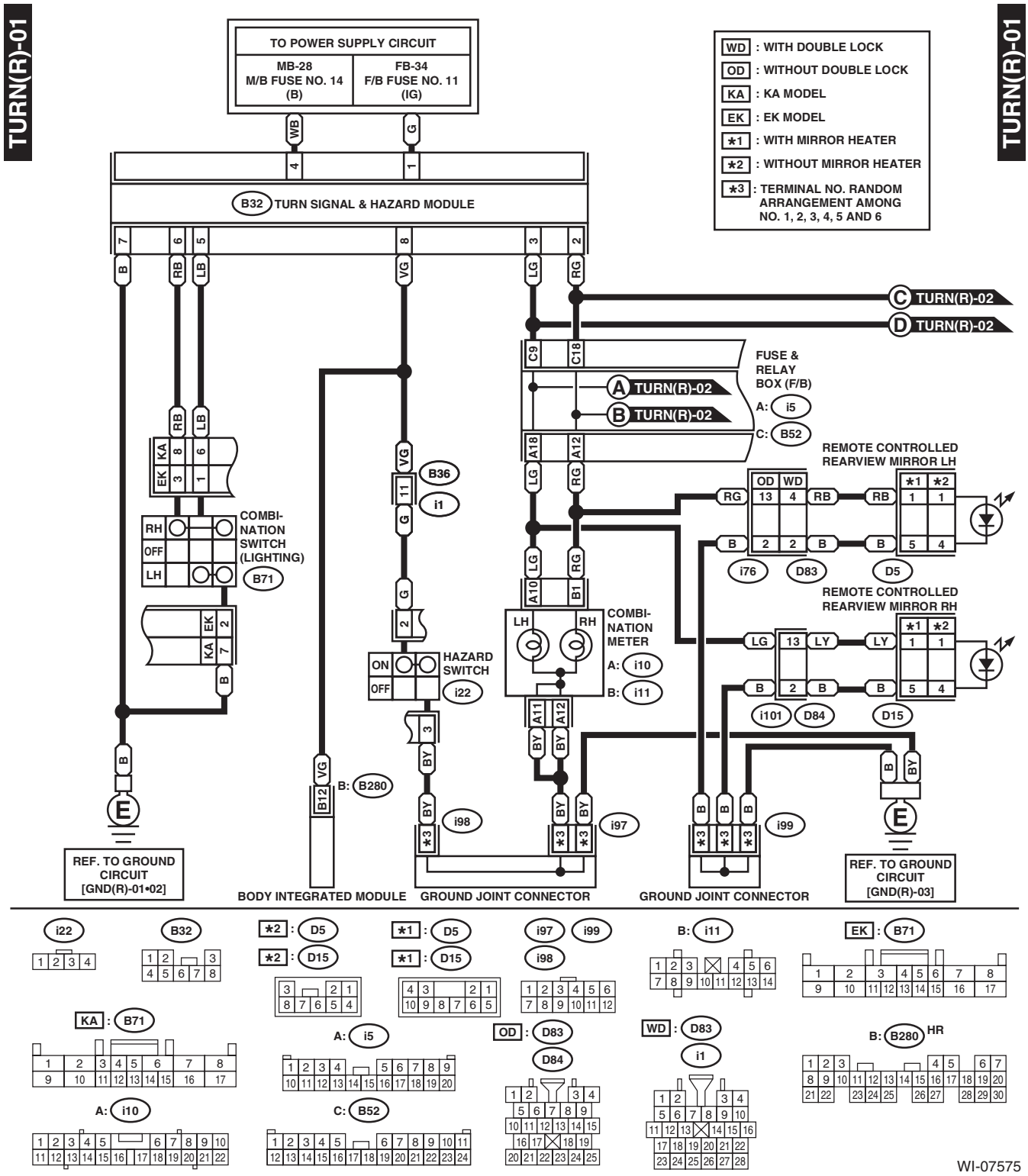
Turn Signal Light and Hazard Light System



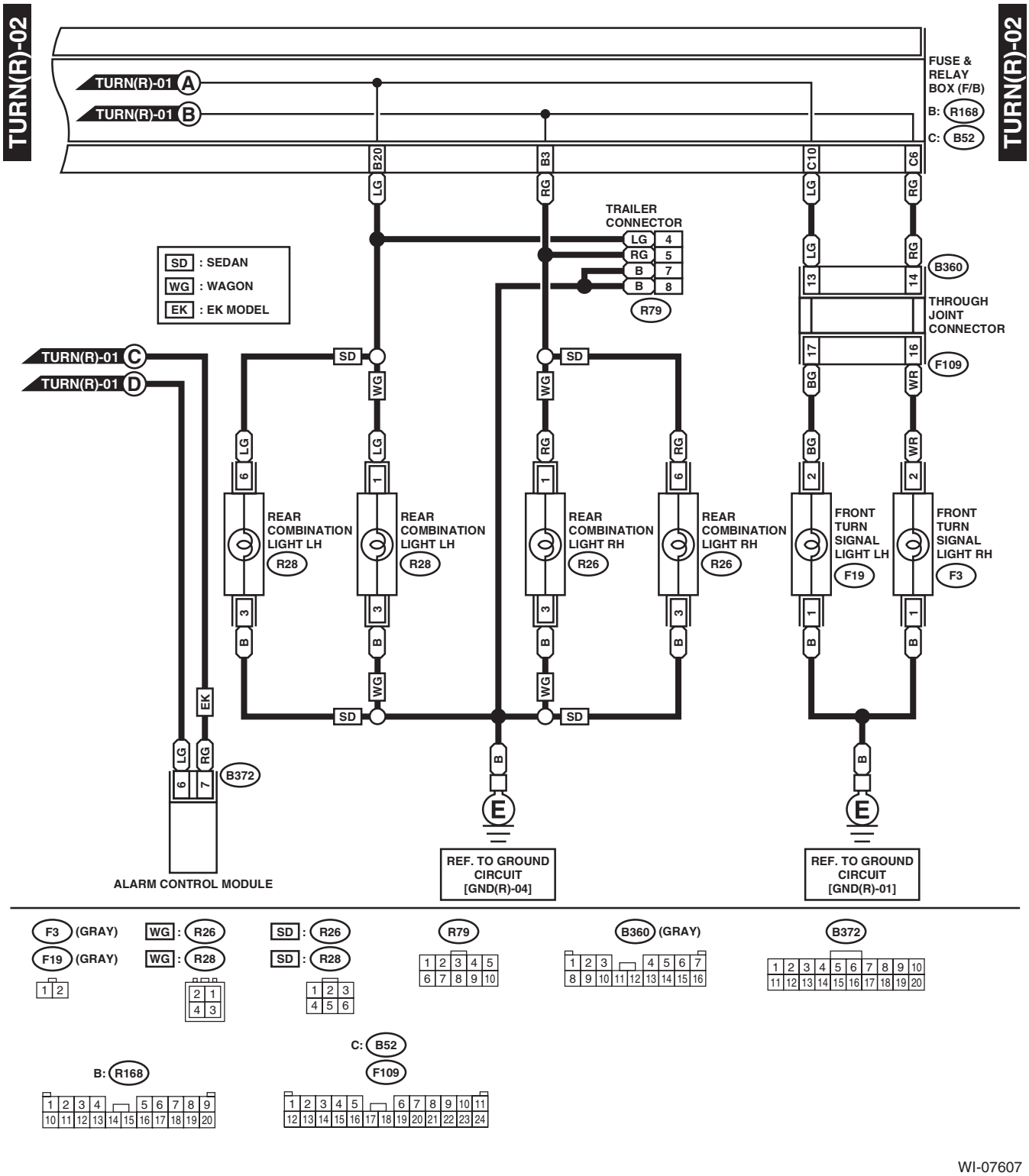


WI-08329

2. RHD MODEL



WI-07575

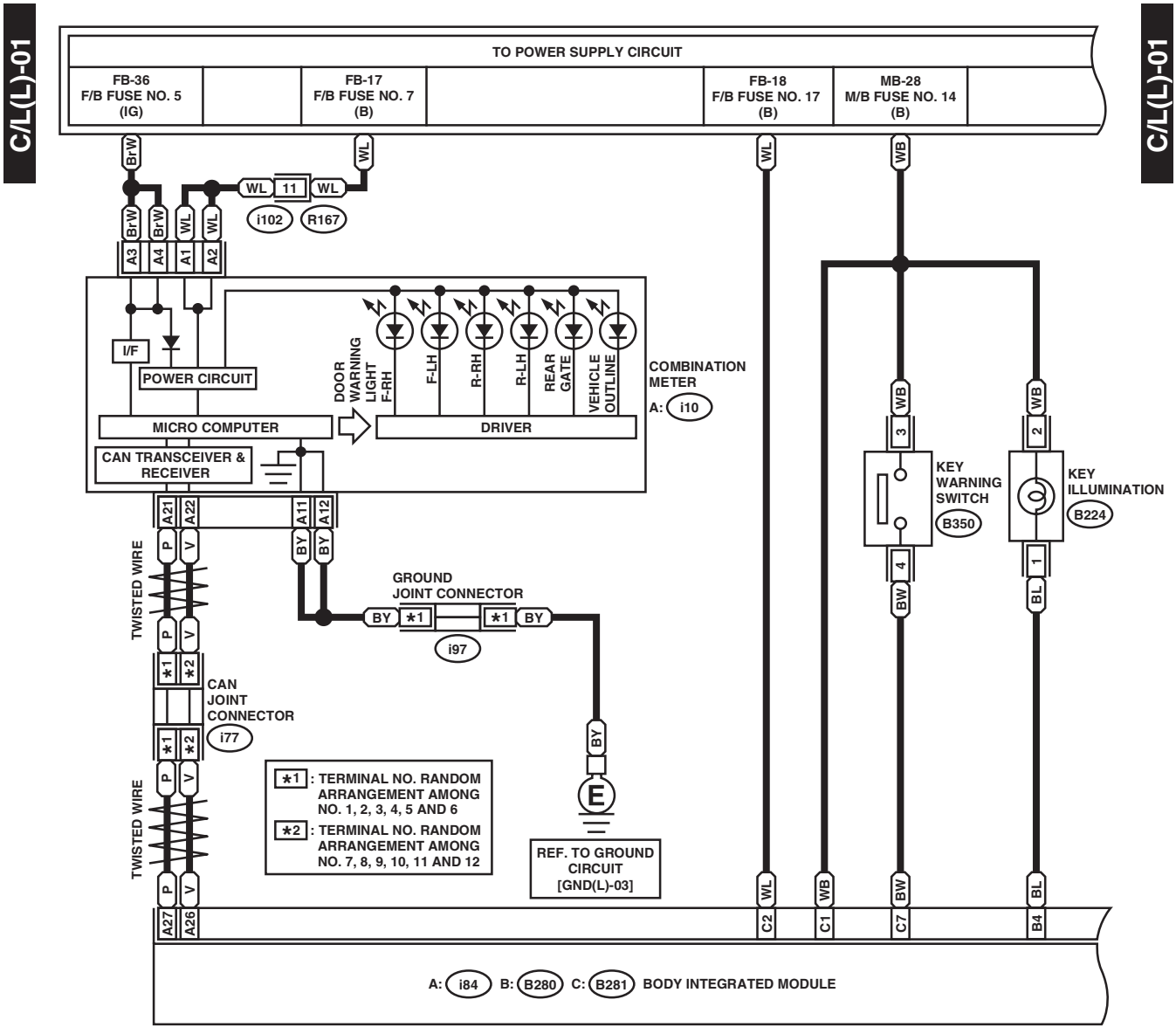

TURN(R)-02
TURN(R)-01 A
TURN(R)-01 B
TURN(R)-01 C
TURN(R)-01 D
FUSE & RELAY BOX (F/B)
B: R168
C: B52
B20
B3
C10
C6
TRAILER CONNECTOR
LG 4
RG 5
B 7
B 8
R79
B360
THROUGH JOINT CONNECTOR
F109
SD : SEDAN
WG : WAGON
EK : EK MODEL
REAR COMBINATION LIGHT LH
R28
REAR COMBINATION LIGHT RH
R26
FRONT TURN SIGNAL LIGHT LH
F19
FRONT TURN SIGNAL LIGHT RH
F3
B372
ALARM CONTROL MODULE
REF. TO GROUND CIRCUIT [GND(R)-04]
REF. TO GROUND CIRCUIT [GND(R)-01]
F3 (GRAY)
F19 (GRAY)
WG : R26
WG : R28
SD : R26
SD : R28
R79
B360 (GRAY)
B372
C: B52
F109
B: R168

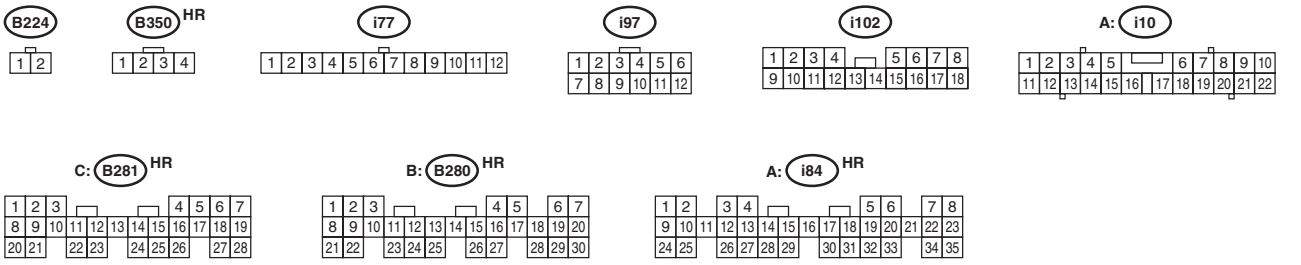
WI-07607

29.Interior Light System

A: WIRING DIAGRAM

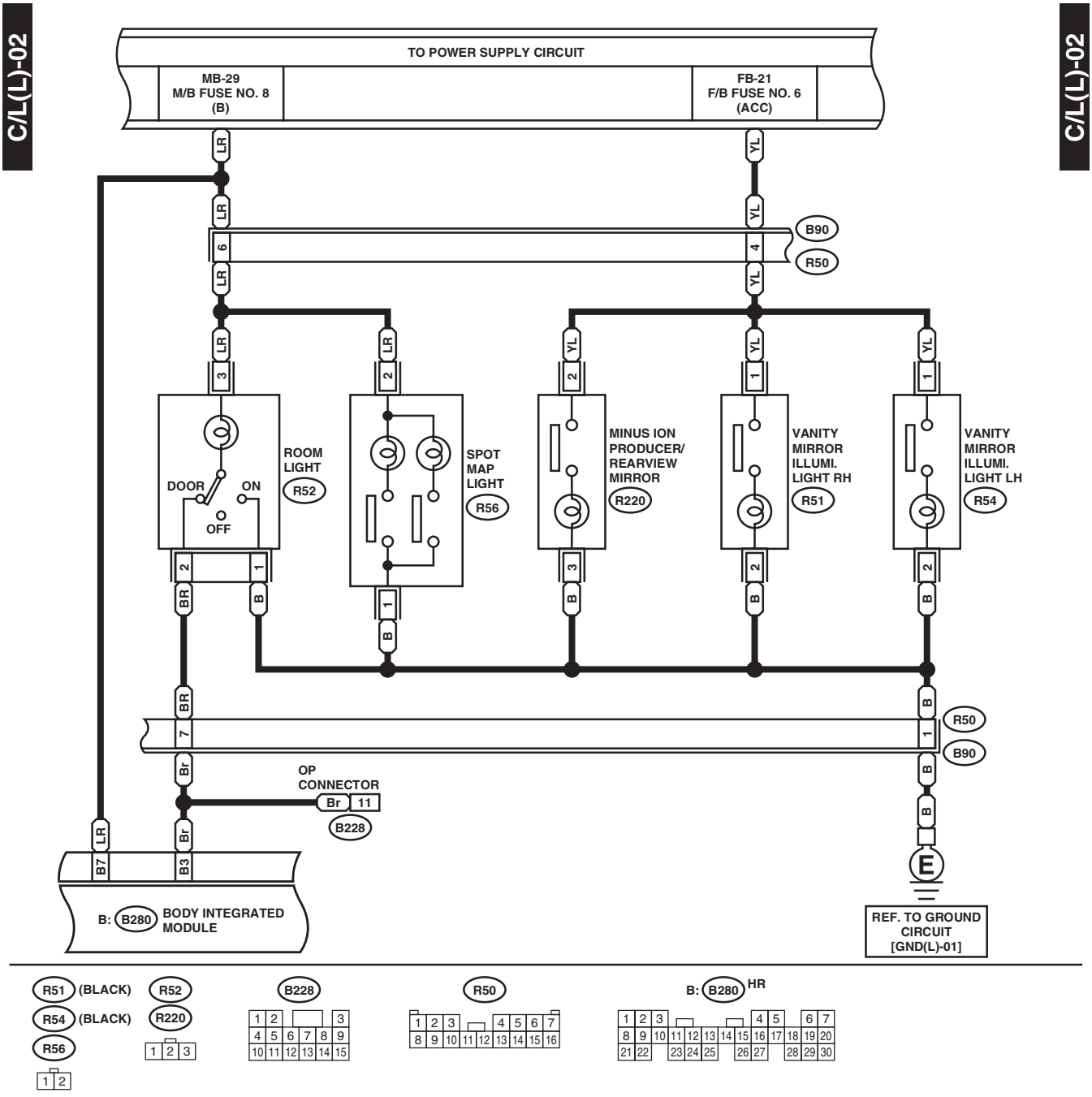
1. LHD MODEL





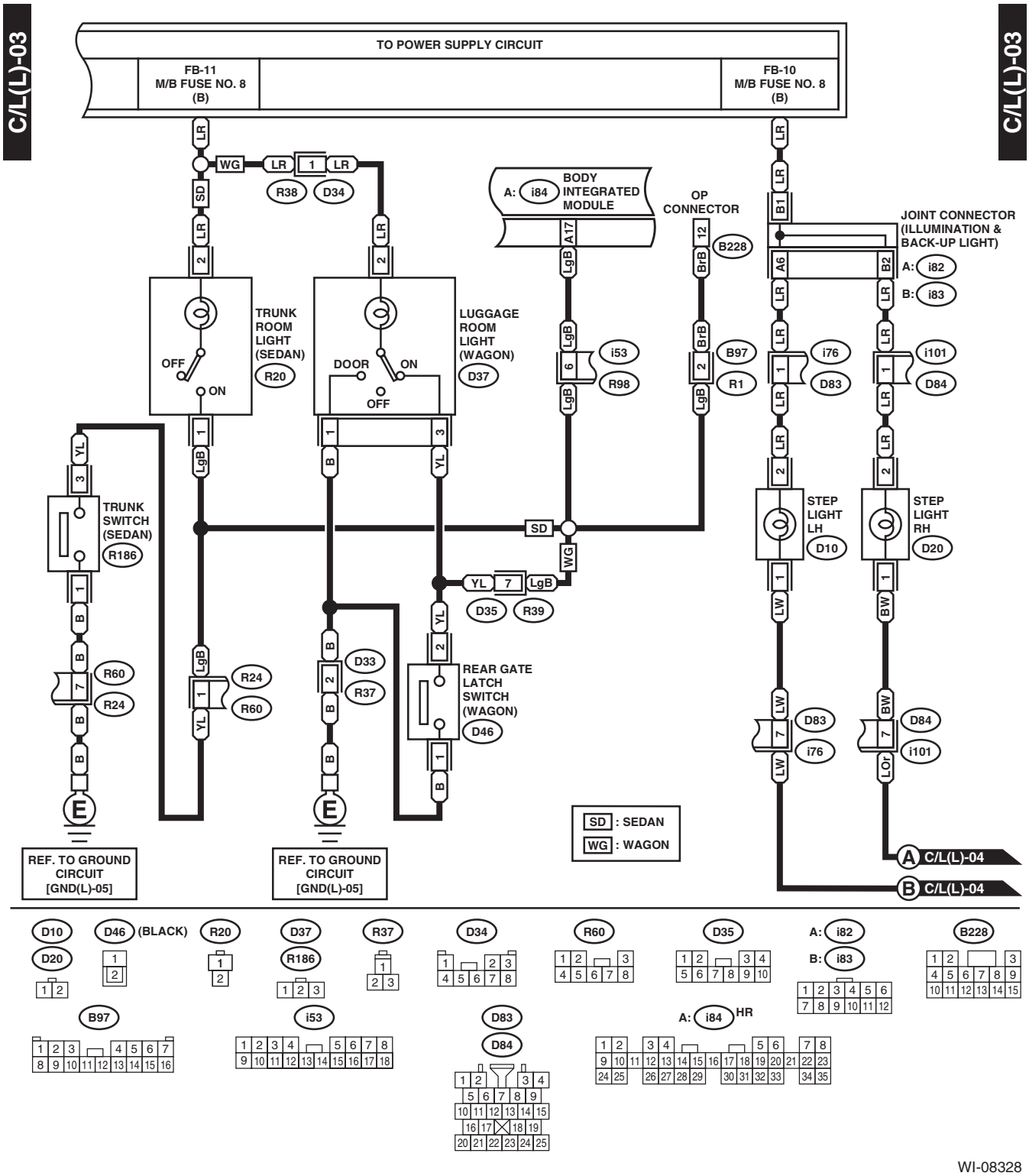
WI-07576

C/L(L)-02



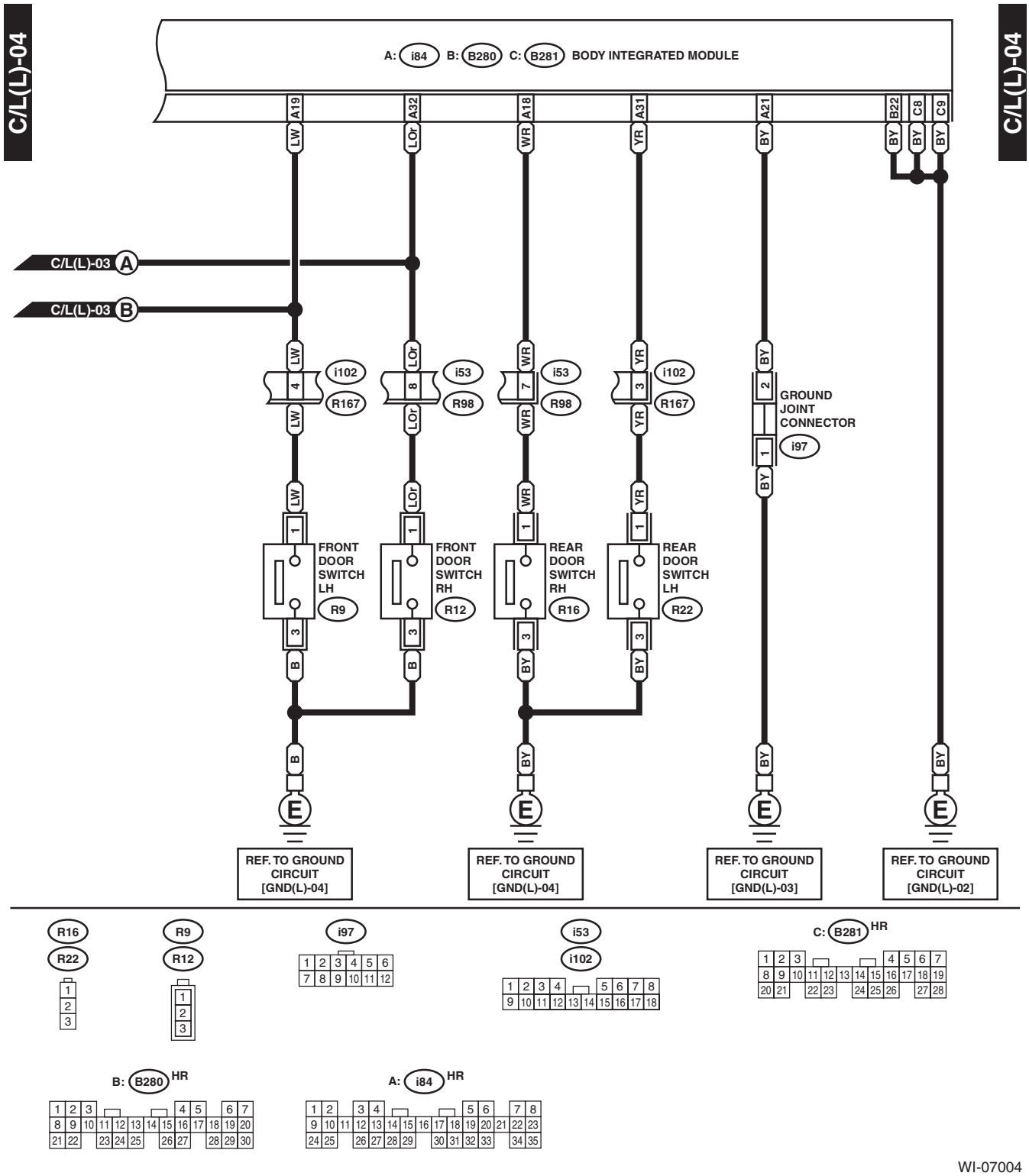
C/L(L)-02

WI-07003


C/L(L)-03
C/L(L)-03
TO POWER SUPPLY CIRCUIT
FB-11
M/B FUSE NO. 8
(B)
FB-10
M/B FUSE NO. 8
(B)
WG
LR
1
R38
D34
SD
2
TRUNK
ROOM
LIGHT
(SEDAN)
R20
OFF
ON
LUGGAGE
ROOM
LIGHT
(WAGON)
D37
DOOR
ON
OFF
A: i84
BODY
INTEGRATED
MODULE
A17
LgB
6
i53
R98
OP
CONNECTOR
12
B228
BrB
B97
R1
B1
JOINT CONNECTOR
(ILLUMINATION &
BACK-UP LIGHT)
A6
B2
A: i82
B: i83
i76
D83
i101
D84
STEP
LIGHT
LH
D10
STEP
LIGHT
RH
D20
TRUNK
SWITCH
(SEDAN)
R186
YL
3
B
7
R60
R24
LgB
YL
R24
R60
D33
R37
REAR GATE
LATCH
SWITCH
(WAGON)
D46
D35
R39
SD
WG
LW
BW
LOr
E
REF. TO GROUND
CIRCUIT
[GND(L)-05]
REF. TO GROUND
CIRCUIT
[GND(L)-05]
SD : SEDAN
WG : WAGON
A C/L(L)-04
B C/L(L)-04
D10
D20
D46 (BLACK)
R20
D37
R186
R37
D34
R60
D35
A: i82
B: i83
B228
B97
i53
D83
D84
A: i84 HR

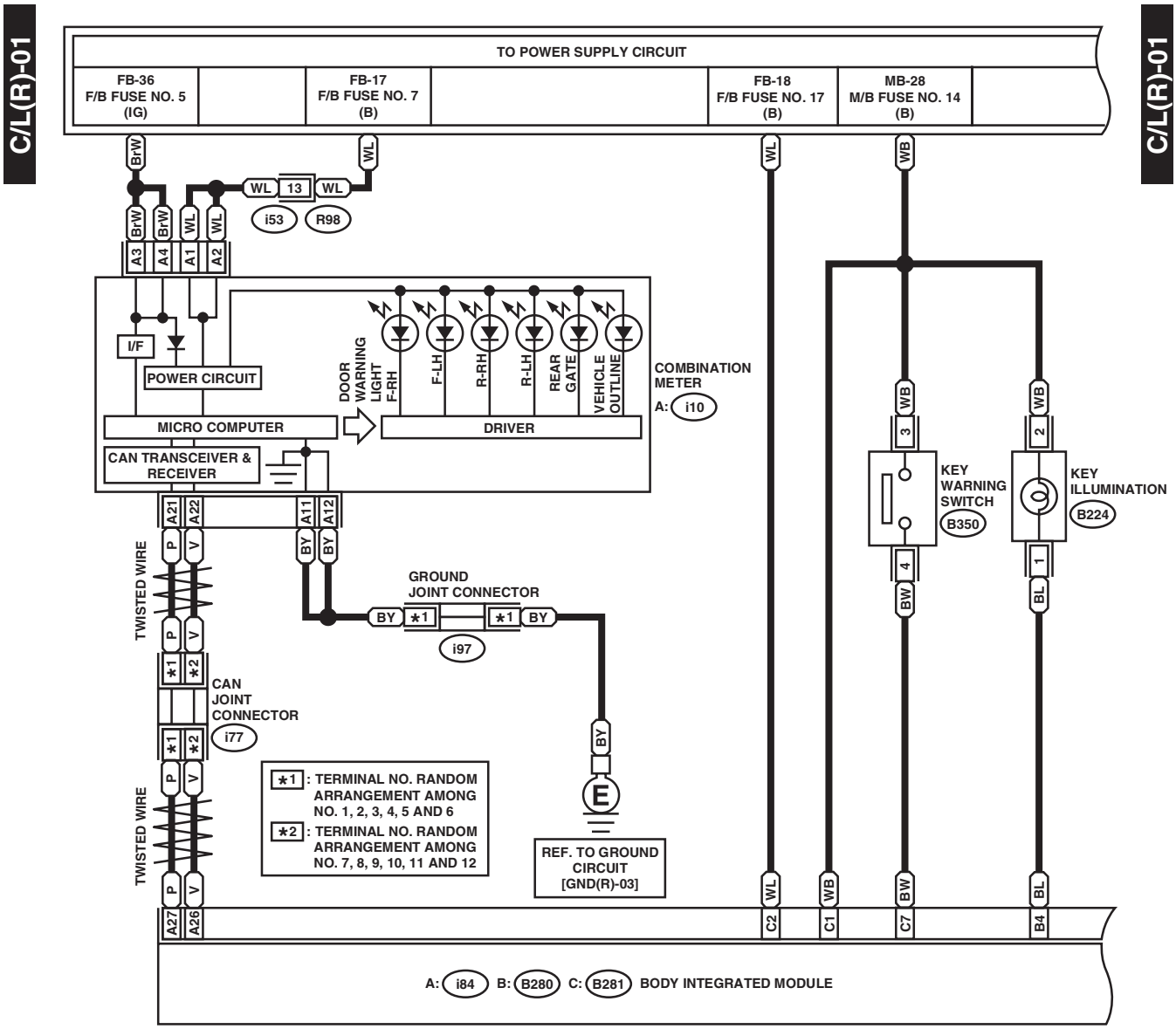
WI-08328

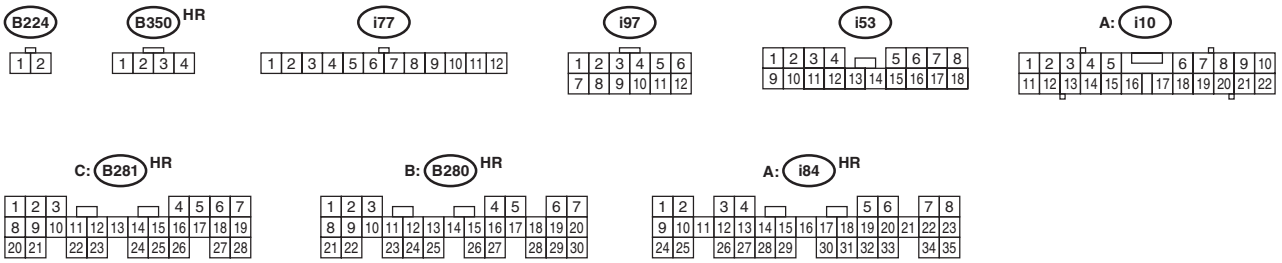
Interior Light System



WI-07004

2. RHD MODEL

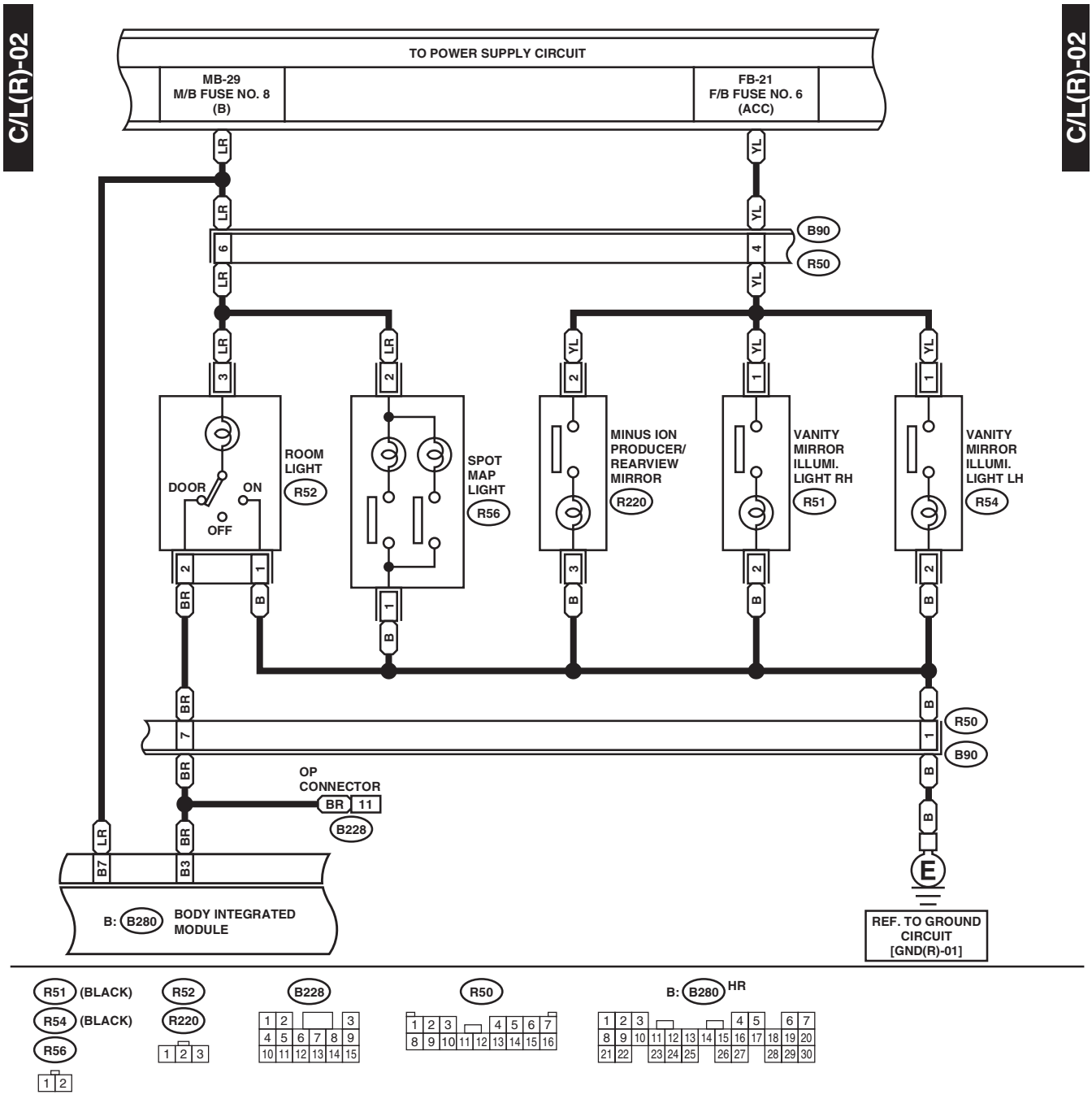




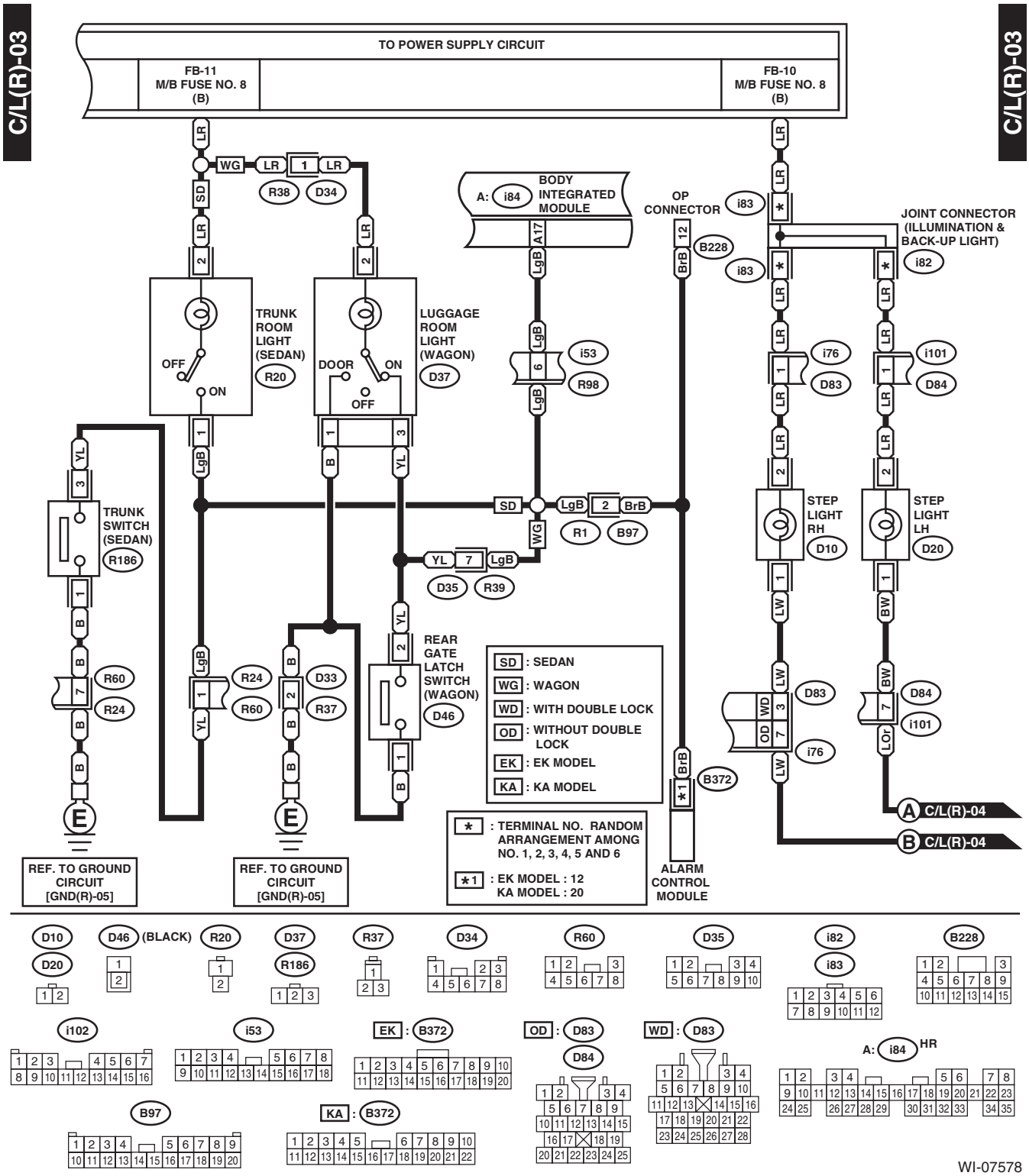
WI-07577

Interior Light System

C/L(R)-02

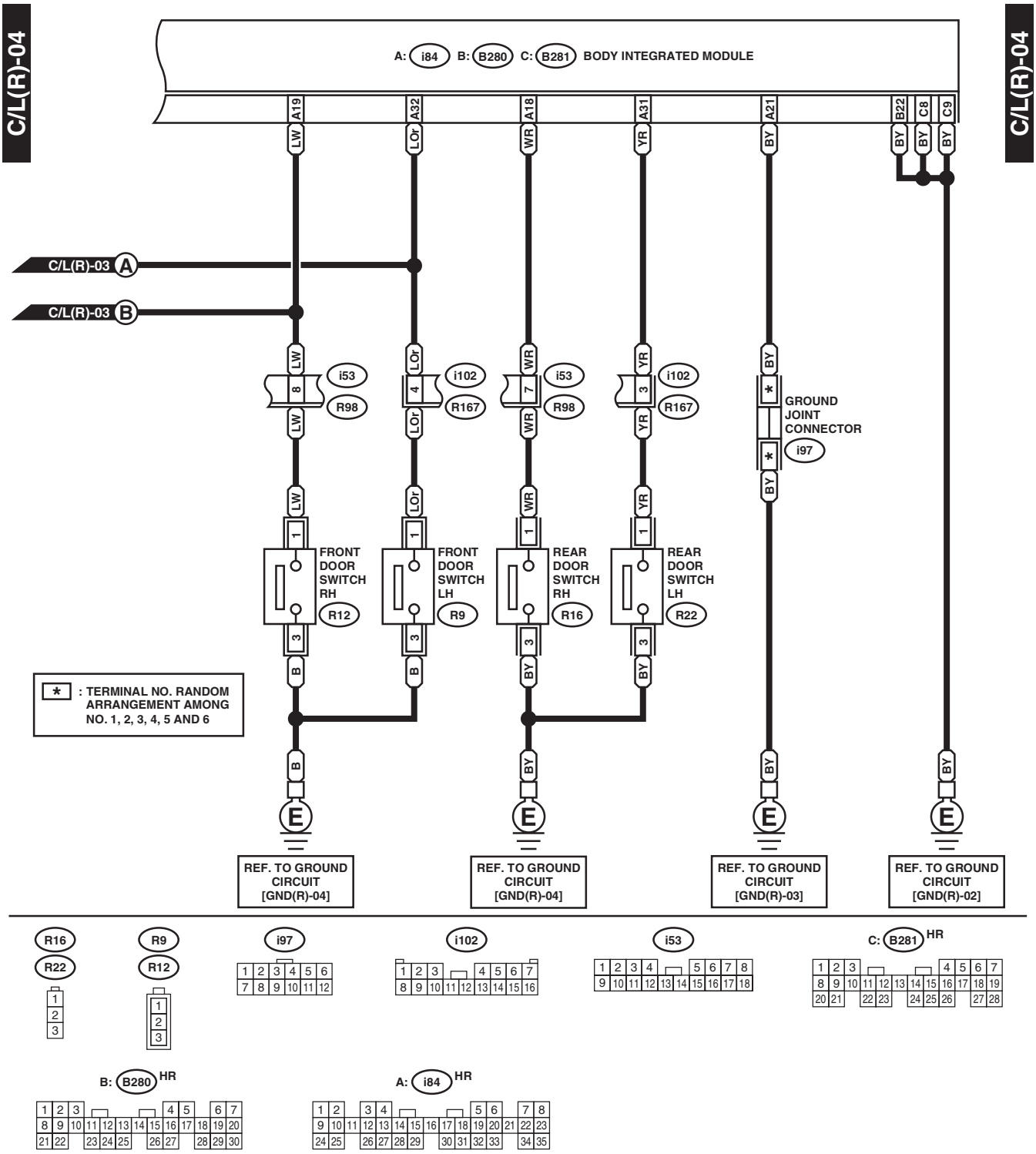


WI-07005


C/L(R)-03
C/L(R)-03
TO POWER SUPPLY CIRCUIT
FB-11 M/B FUSE NO. 8 (B)
FB-10 M/B FUSE NO. 8 (B)
BODY INTEGRATED MODULE
A: i84
OP CONNECTOR
JOINT CONNECTOR (ILLUMINATION & BACK-UP LIGHT)
TRUNK ROOM LIGHT (SEDAN)
R20
LUGGAGE ROOM LIGHT (WAGON)
D37
OFF
ON
DOOR
TRUNK SWITCH (SEDAN)
R186
REAR GATE LATCH SWITCH (WAGON)
D46
STEP LIGHT RH
D10
STEP LIGHT LH
D20
SD : SEDAN
WG : WAGON
WD : WITH DOUBLE LOCK
OD : WITHOUT DOUBLE LOCK
EK : EK MODEL
KA : KA MODEL
* : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 1, 2, 3, 4, 5 AND 6
*1 : EK MODEL : 12 KA MODEL : 20
ALARM CONTROL MODULE
REF. TO GROUND CIRCUIT [GND(R)-05]
REF. TO GROUND CIRCUIT [GND(R)-05]
A C/L(R)-04
B C/L(R)-04

D10
D20
D46 (BLACK)
R20
D37
R186
R37
D34
R60
D35
i82
i83
B228
i102
i53
EK : B372
OD : D83
D84
WD : D83
A: i84 HR
B97
KA : B372

WI-07578

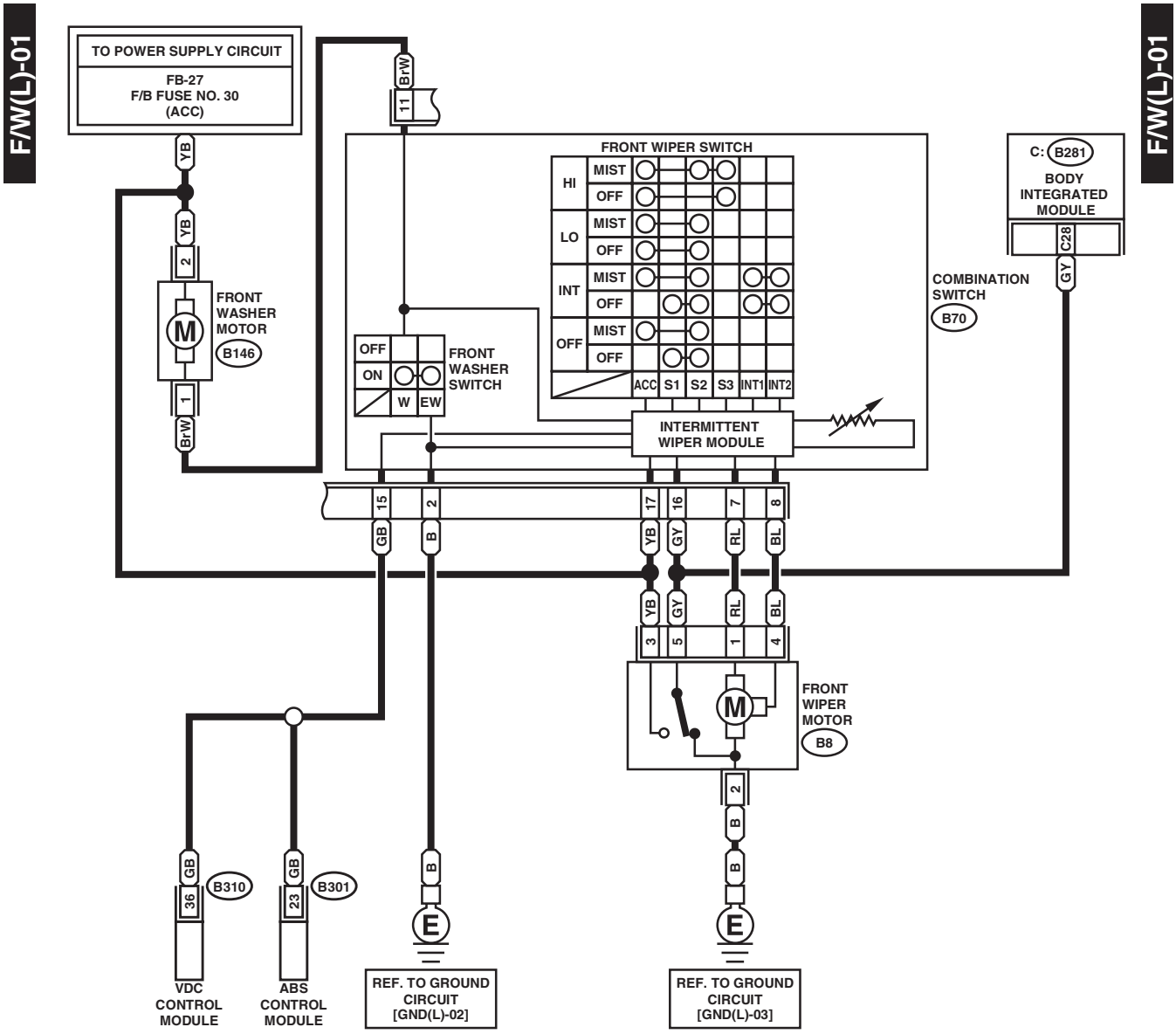

C/L(R)-04
C/L(R)-04
A: i84 B: B280 C: B281 BODY INTEGRATED MODULE
A19
A32
A18
A31
A21
B22
C8
C9
LW
LOr
WR
YR
BY
C/L(R)-03 A
C/L(R)-03 B
i53
R98
i102
R167
GROUND JOINT CONNECTOR
i97
FRONT DOOR SWITCH RH
R12
FRONT DOOR SWITCH LH
R9
REAR DOOR SWITCH RH
R16
REAR DOOR SWITCH LH
R22
* : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 1, 2, 3, 4, 5 AND 6
REF. TO GROUND CIRCUIT [GND(R)-04]
REF. TO GROUND CIRCUIT [GND(R)-04]
REF. TO GROUND CIRCUIT [GND(R)-03]
REF. TO GROUND CIRCUIT [GND(R)-02]
C: B281 HR
B: B280 HR
A: i84 HR

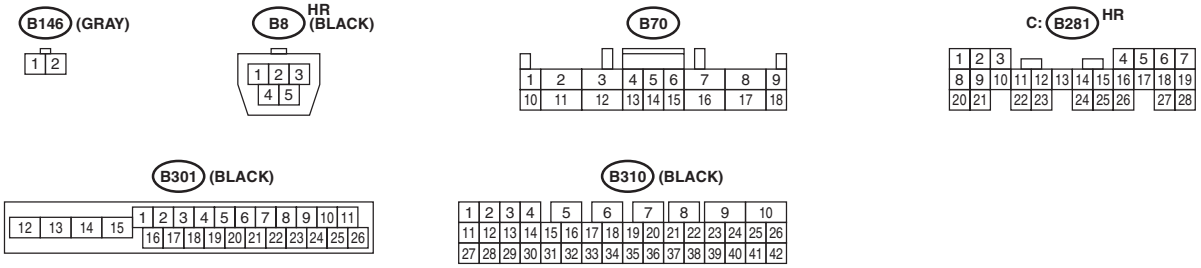
WI-07006

30.Front Wiper and Washer System

A: WIRING DIAGRAM

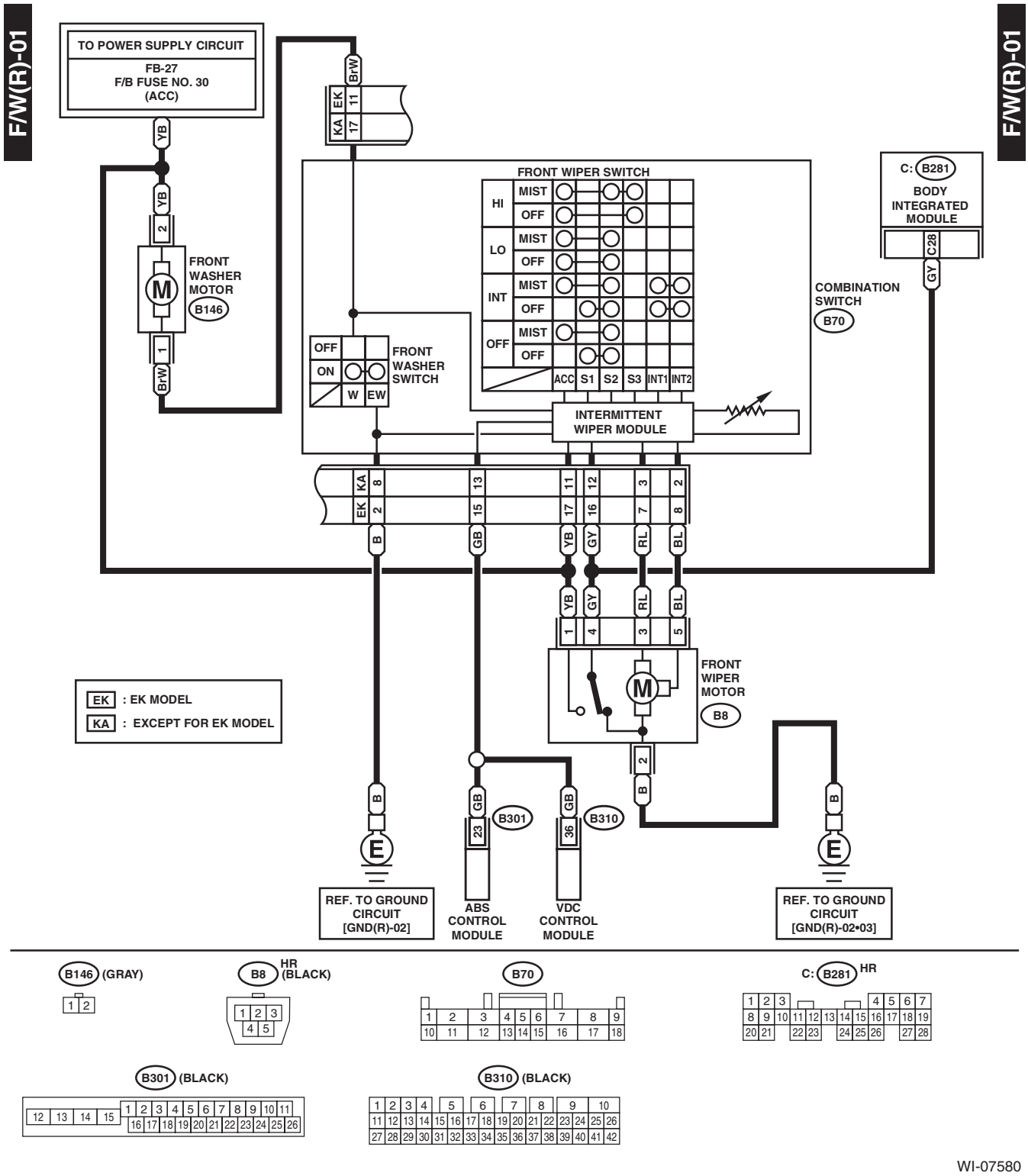
1. LHD MODEL





WI-07579

2. RHD MODEL

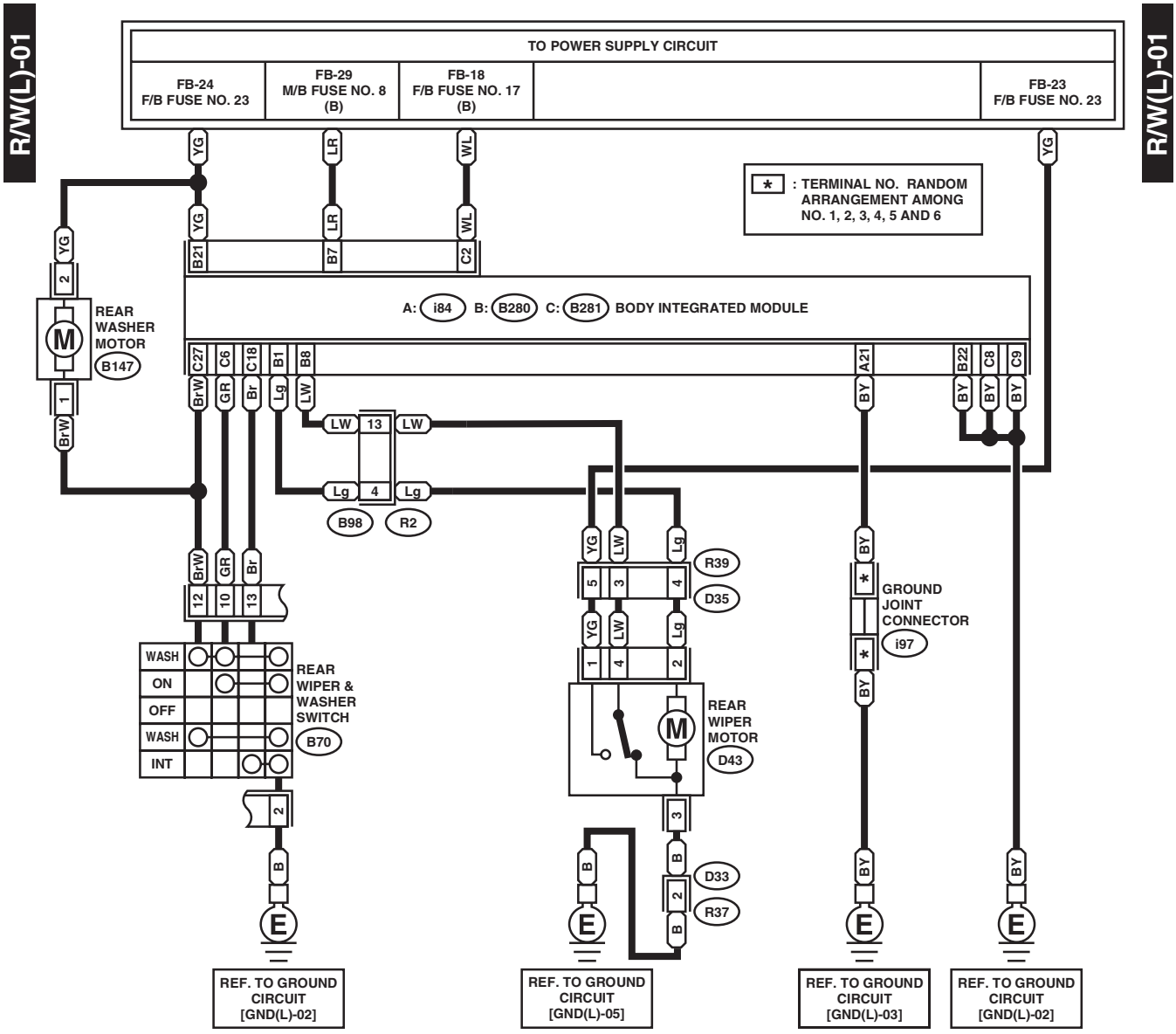


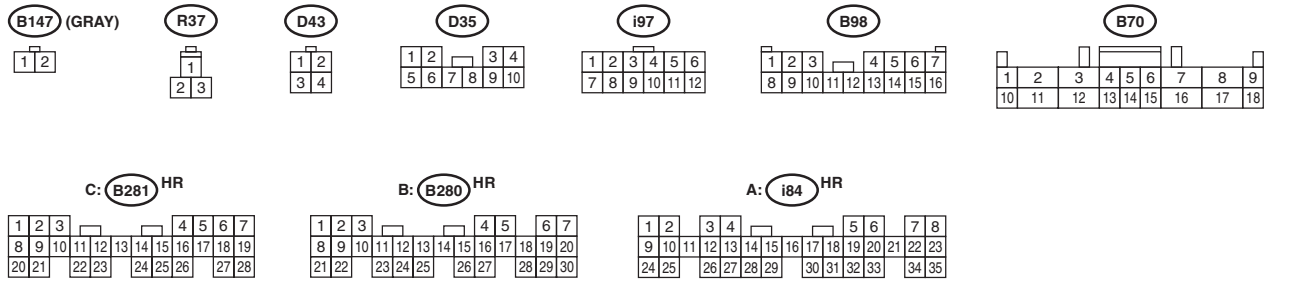
WI-07580

31.Rear Wiper and Washer System

A: WIRING DIAGRAM

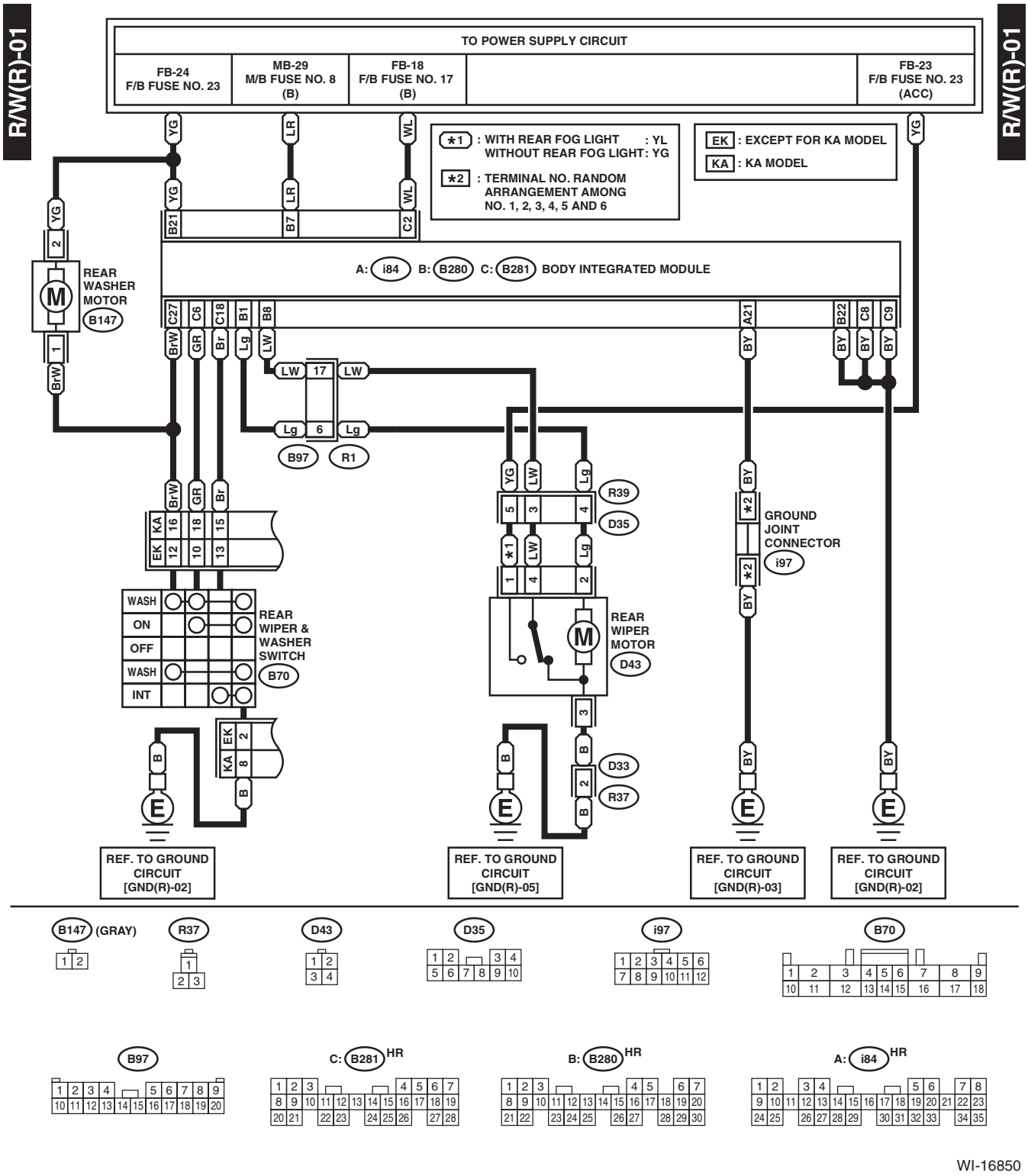
1. LHD MODEL





WI-16849

2. RHD MODEL

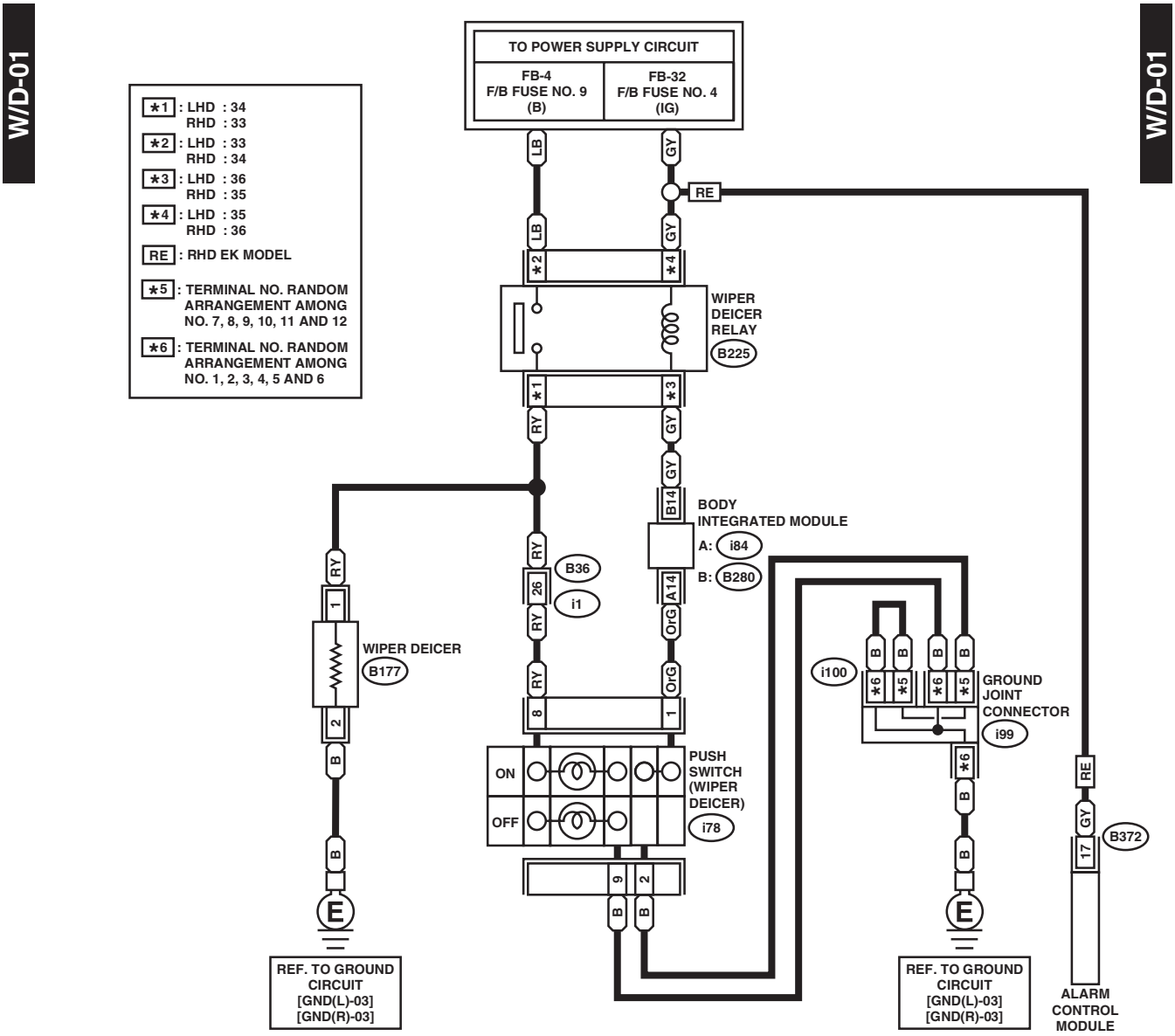


WI-16850

32. Wiper Deicer System

A: WIRING DIAGRAM

W/D-01



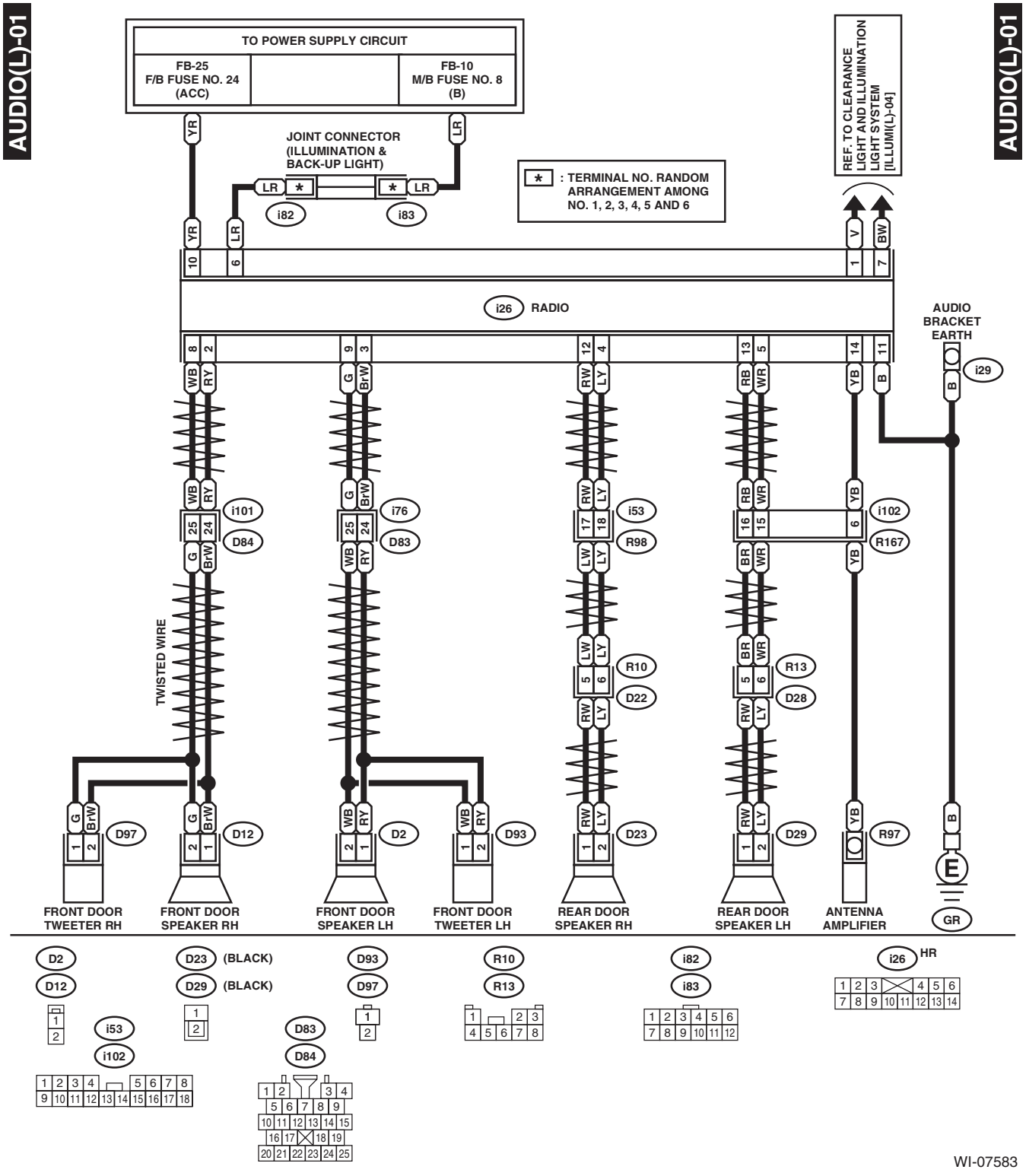
WI-07007

W/D-01

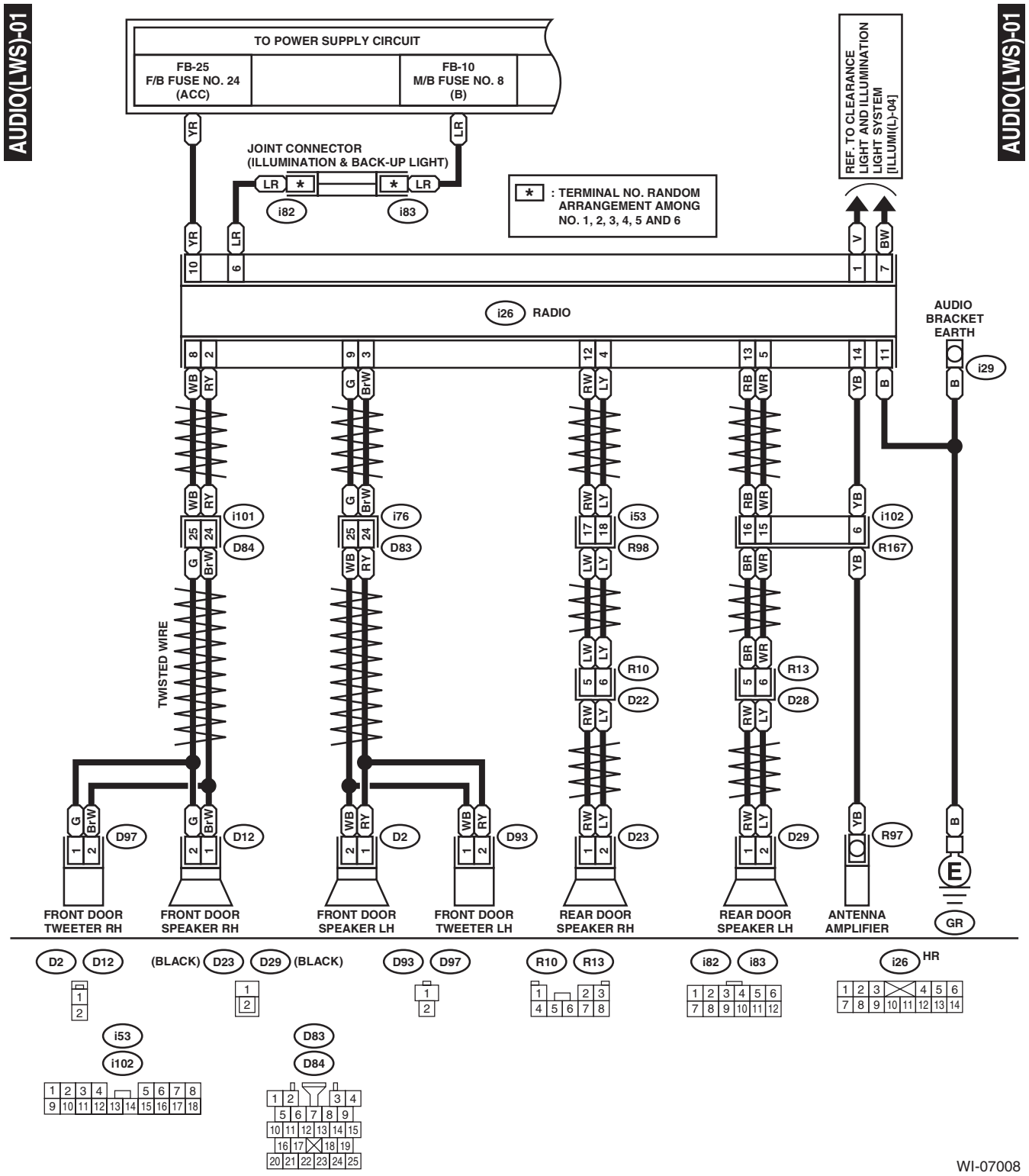
33. Audio System

A: WIRING DIAGRAM

1. LHD MODEL

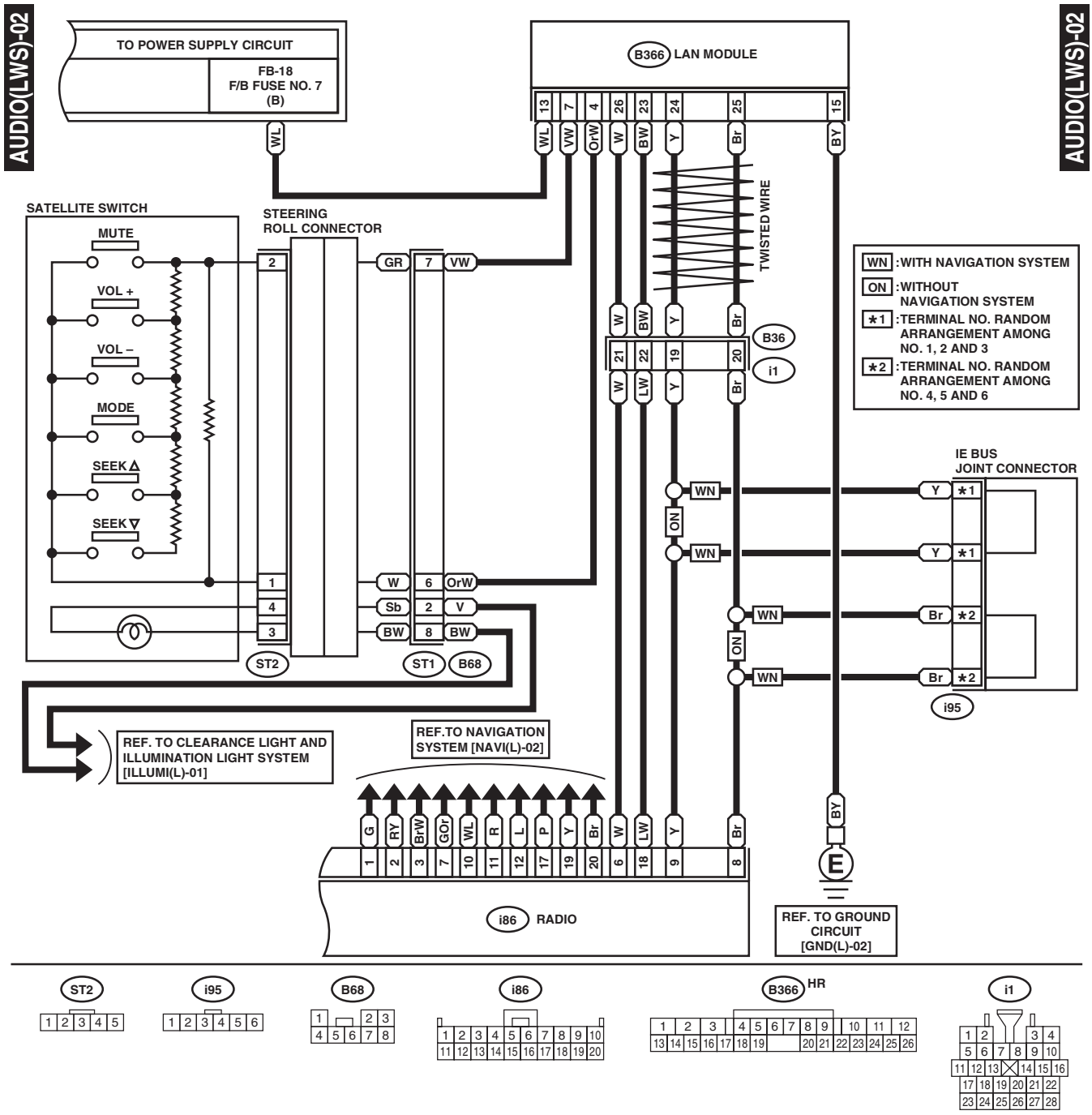


2. LHD MODEL WITH SATELLITE SWITCH



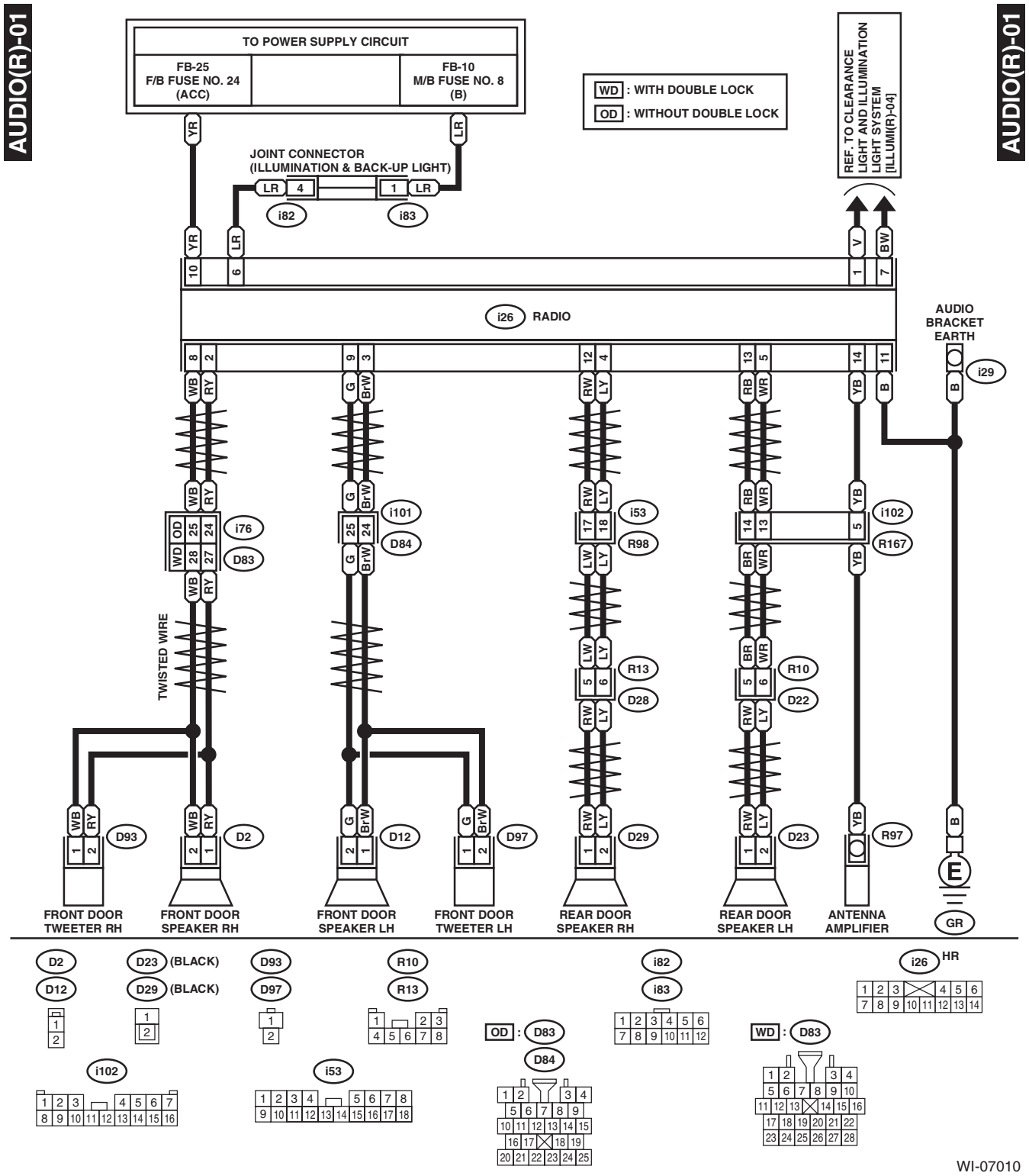
WI-07008

WIRING SYSTEM



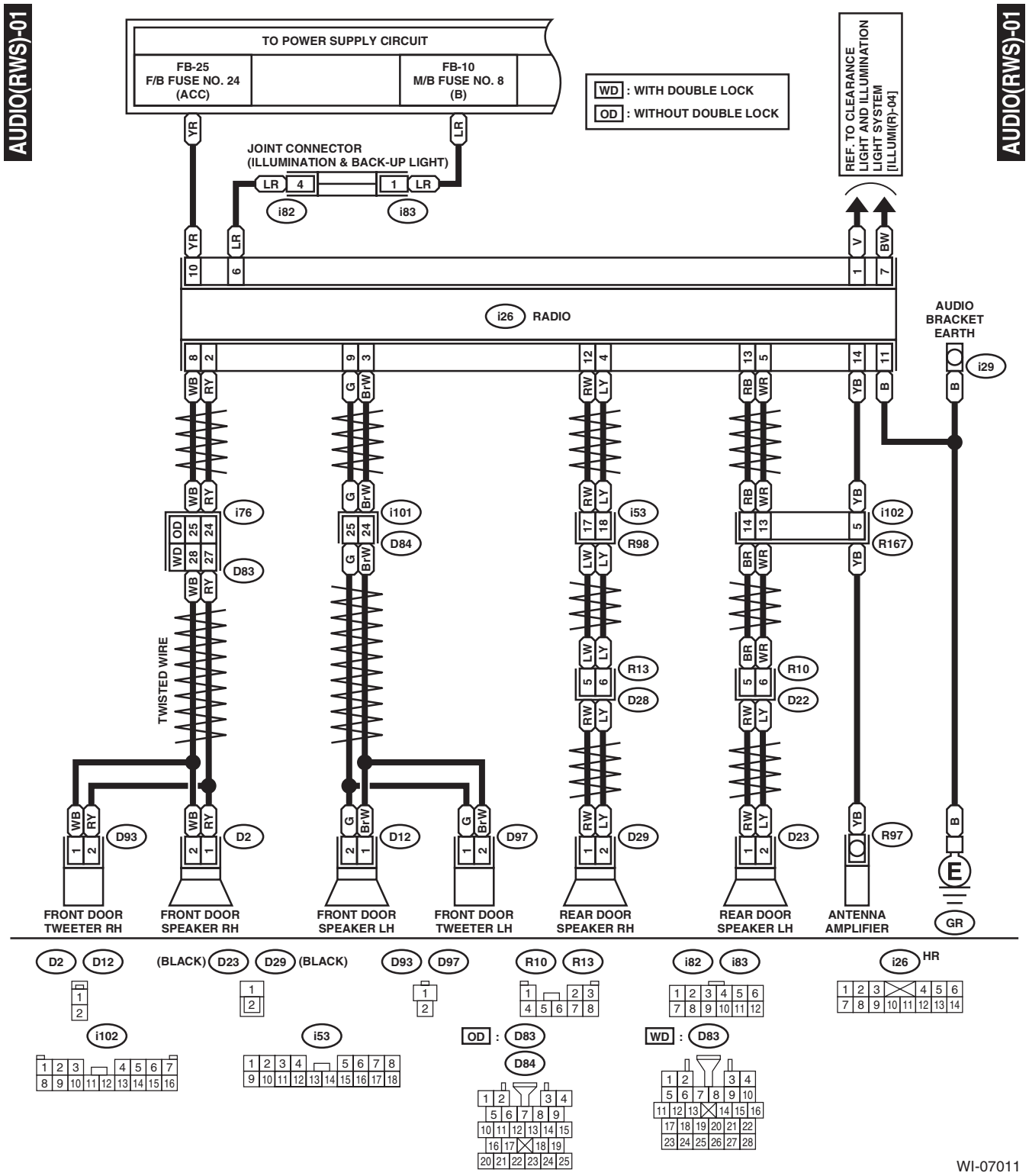
WI-07009

3. RHD MODEL

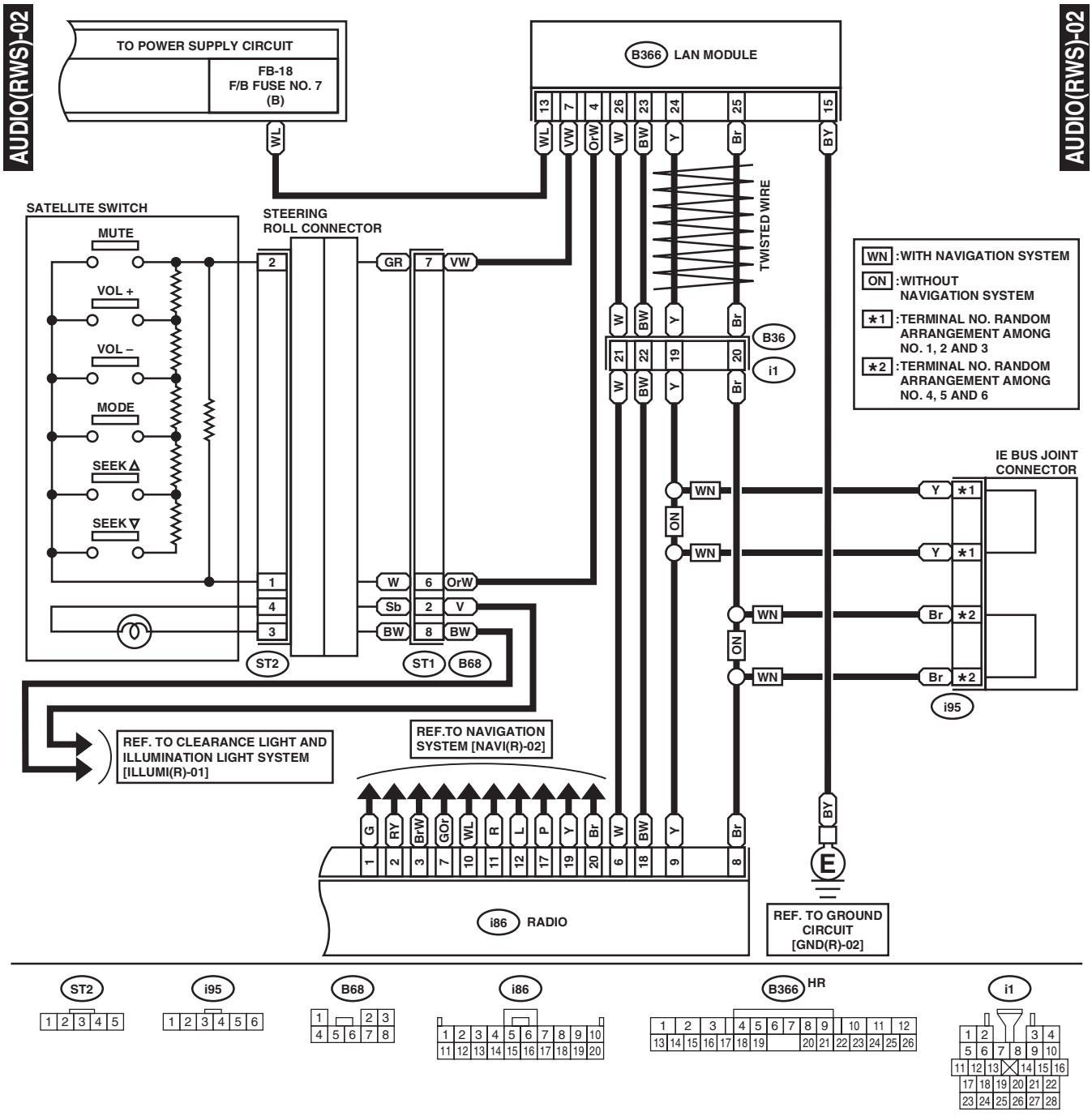


WI-07010

4. RHD MODEL WITH SATELLITE SWITCH



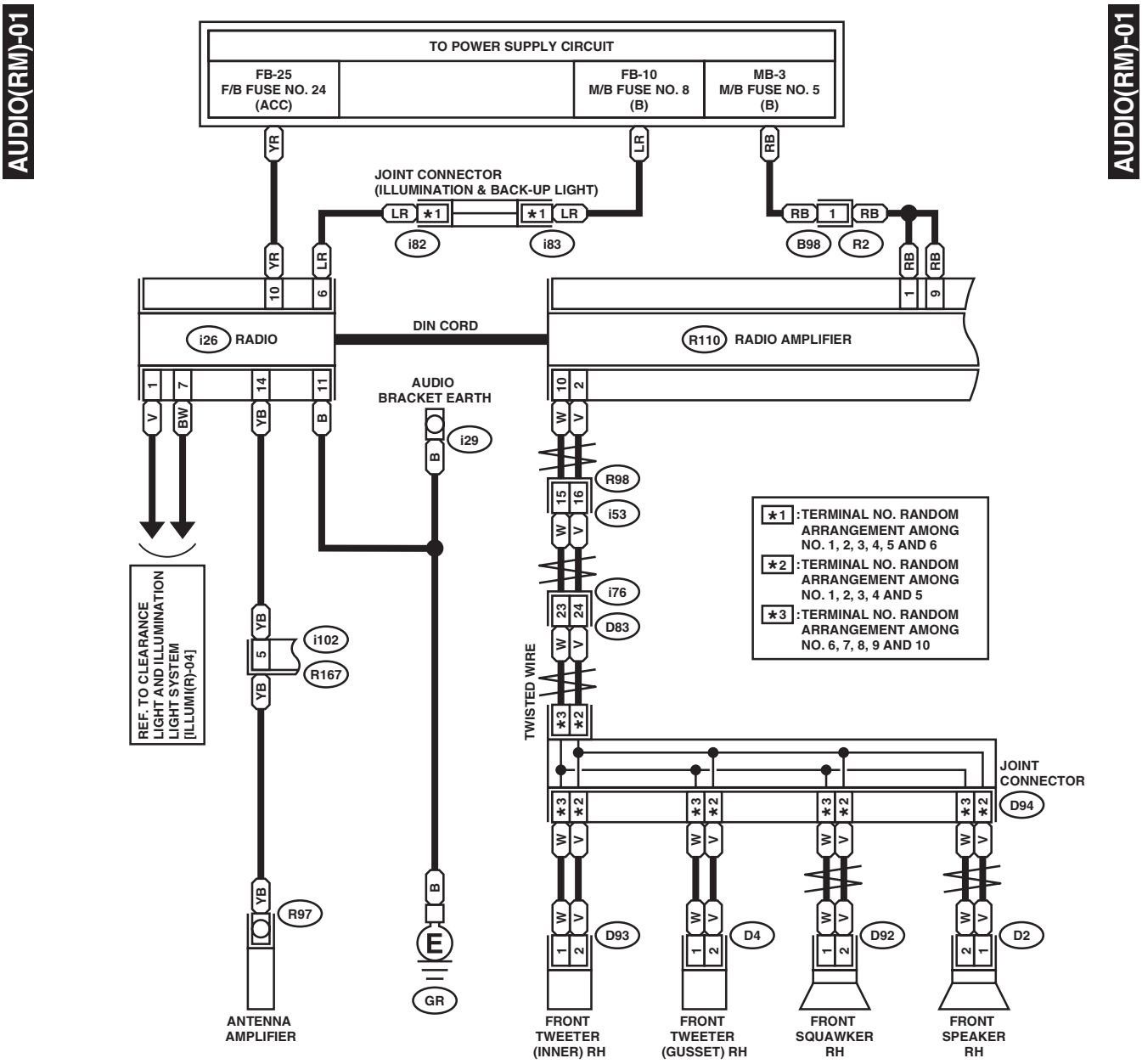
WI-07011

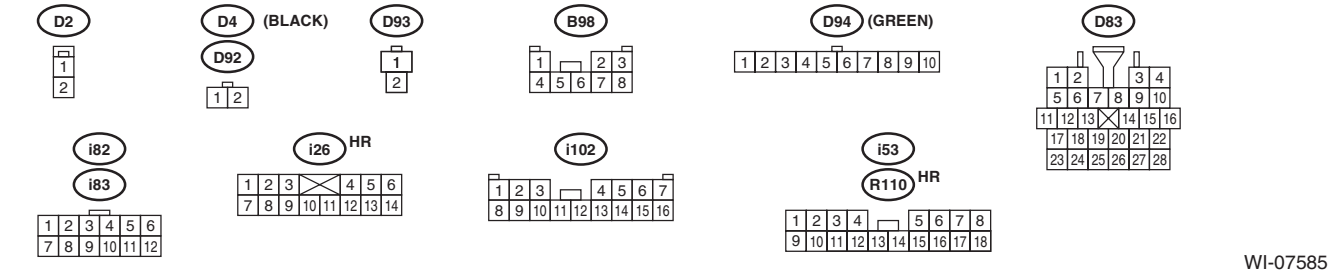

AUDIO(RWS)-02
AUDIO(RWS)-02
TO POWER SUPPLY CIRCUIT
FB-18
F/B FUSE NO. 7
(B)
B366 LAN MODULE
SATELLITE SWITCH
MUTE
VOL +
VOL –
MODE
SEEK △
SEEK ▽
STEERING
ROLL CONNECTOR
TWISTED WIRE
WN :WITH NAVIGATION SYSTEM
ON :WITHOUT NAVIGATION SYSTEM
★1 :TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 1, 2 AND 3
★2 :TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 4, 5 AND 6
B36
i1
IE BUS JOINT CONNECTOR
i95
ST2
ST1
B68
REF. TO CLEARANCE LIGHT AND ILLUMINATION LIGHT SYSTEM [ILLUMI(R)-01]
REF.TO NAVIGATION SYSTEM [NAVI(R)-02]
i86 RADIO
REF. TO GROUND CIRCUIT [GND(R)-02]
ST2
i95
B68
i86
B366 HR
i1

WI-07584

5. RHD MODEL WITH MCINTOSH

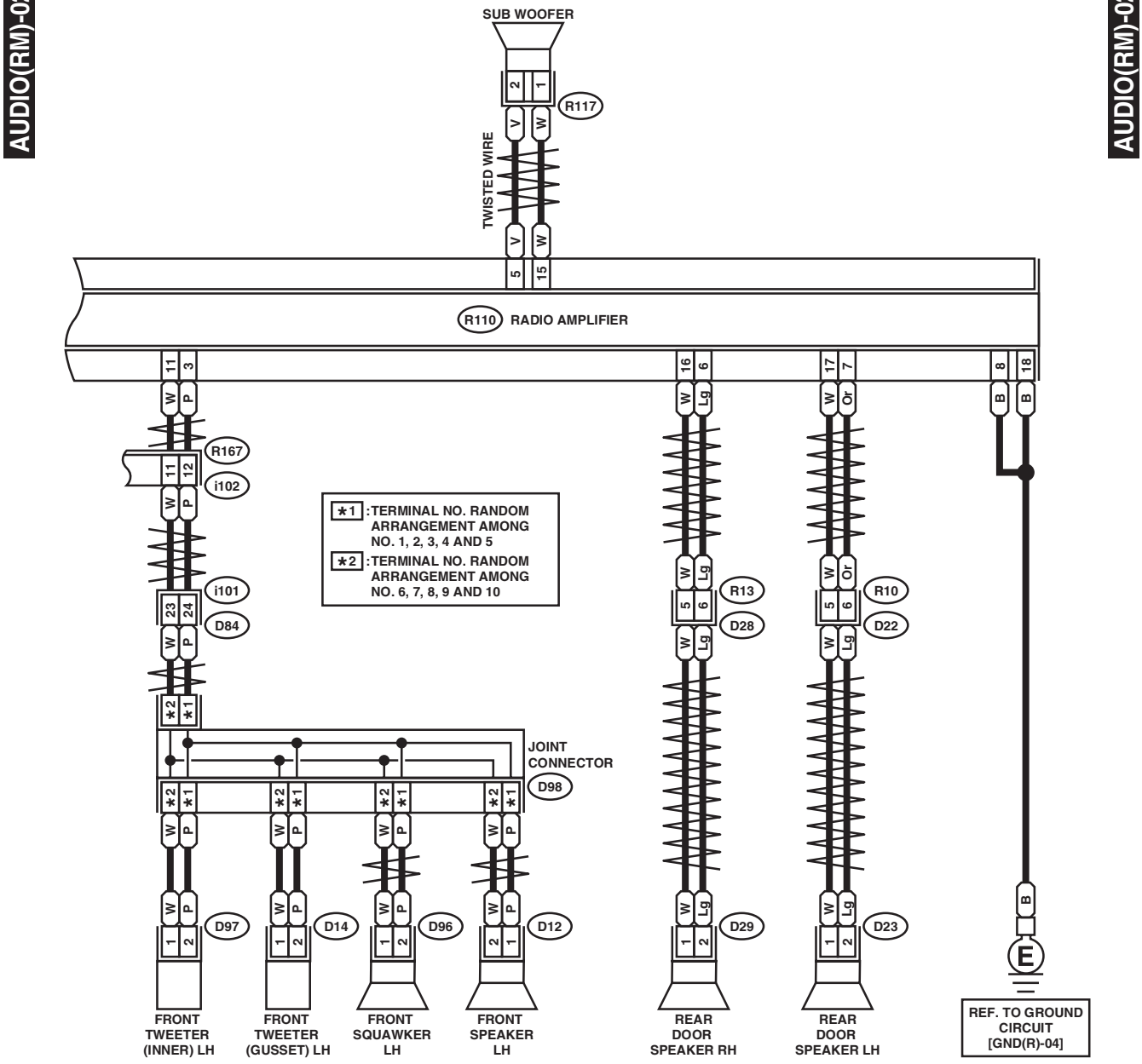
AUDIO(RM)-01

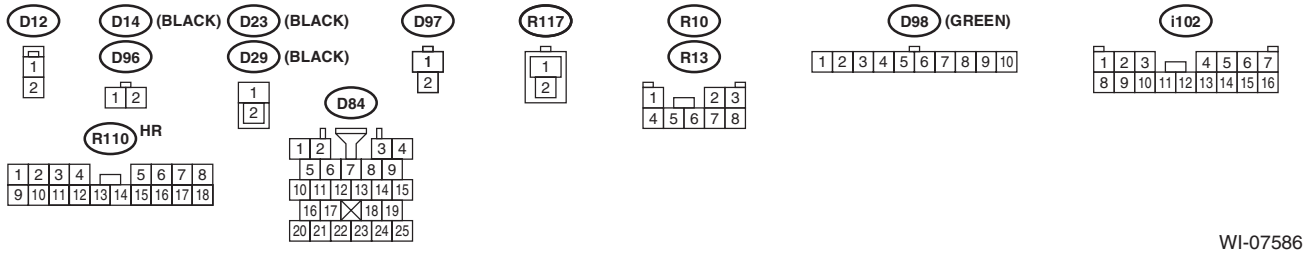




WI-07585

AUDIO(RM)-02



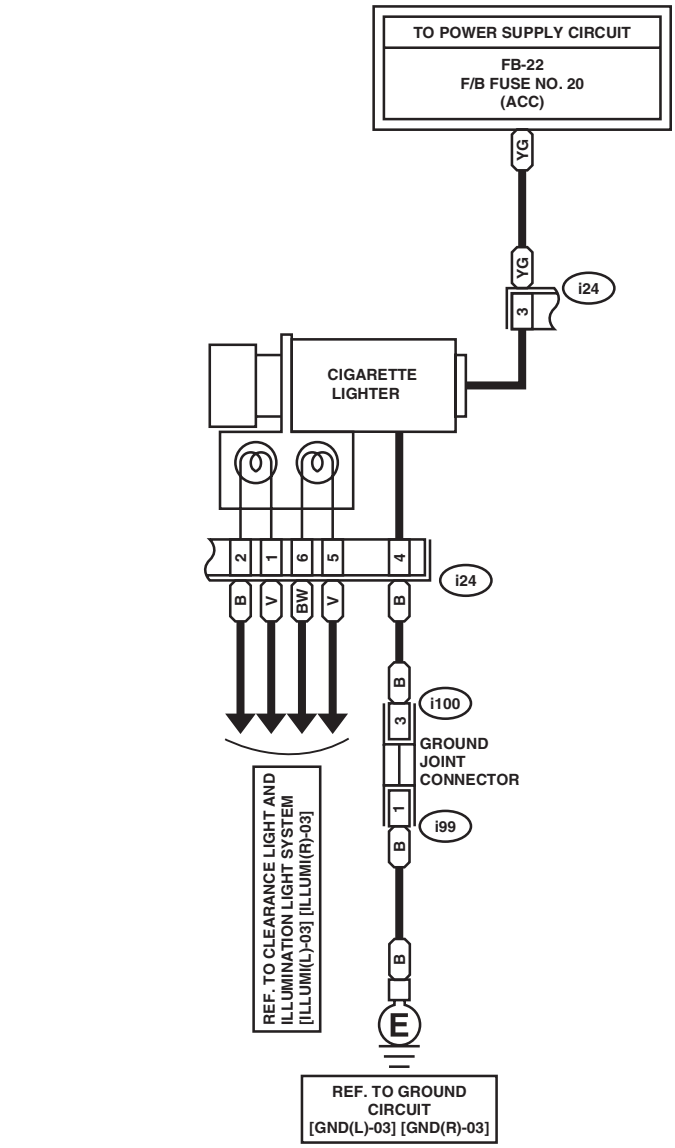


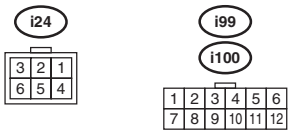
WI-07586

34.Front Accessory Power Supply Socket System

A: WIRING DIAGRAM

FAPS-01





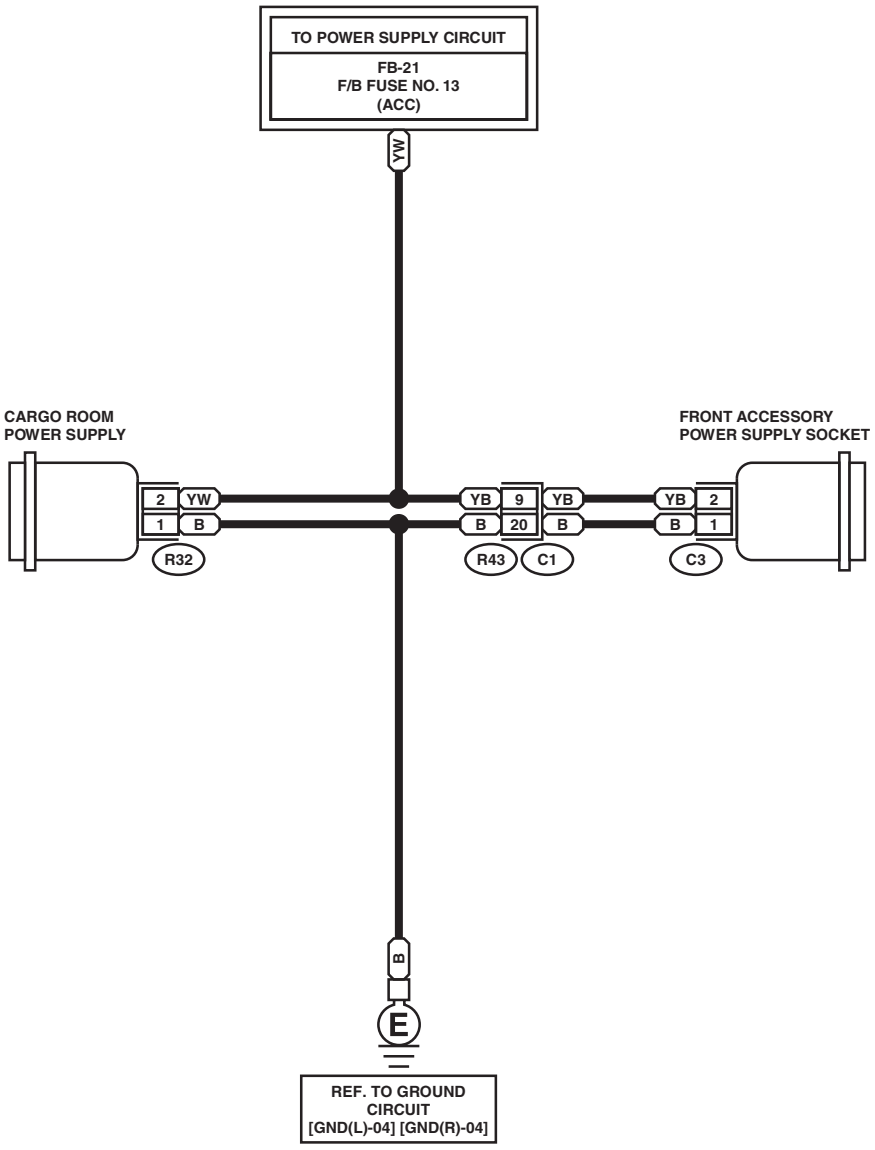
WI-07012

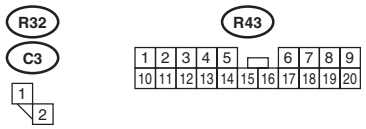
35.Rear Accessory Power Supply Socket System

A: WIRING DIAGRAM

RAPS-01

RAPS-01



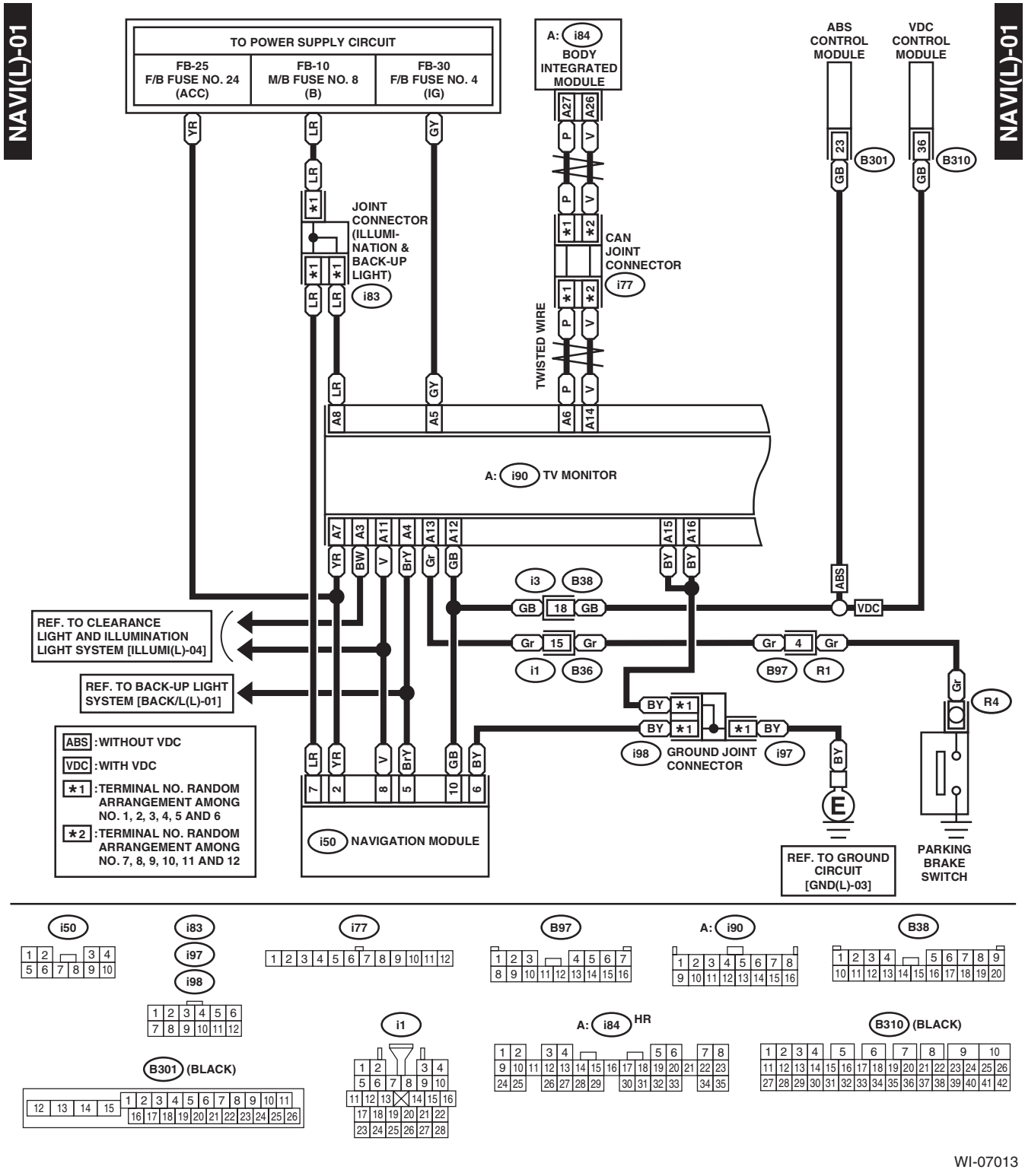


WI-07606

36.Navigation System

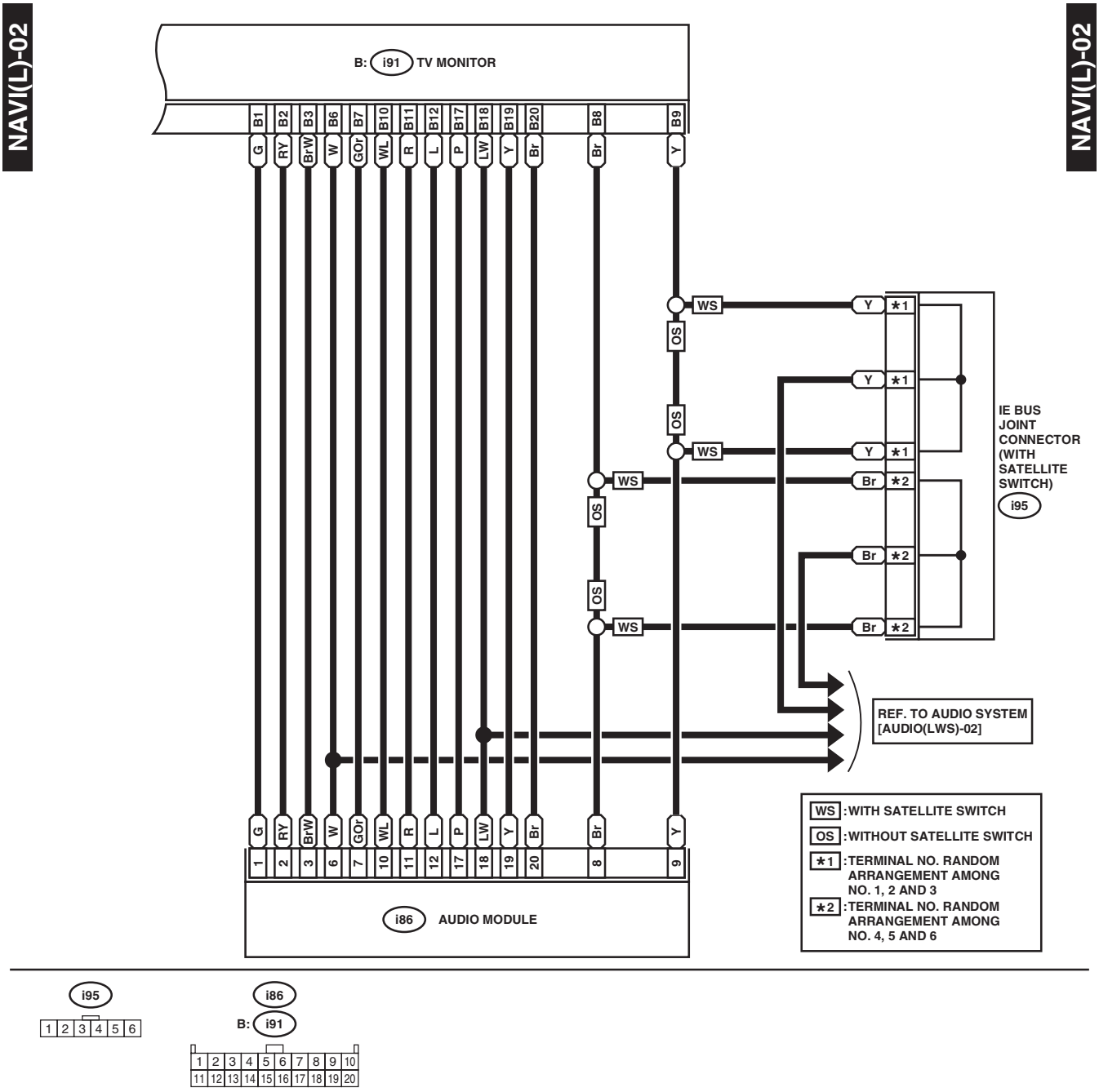
A: WIRING DIAGRAM

1. LHD MODEL



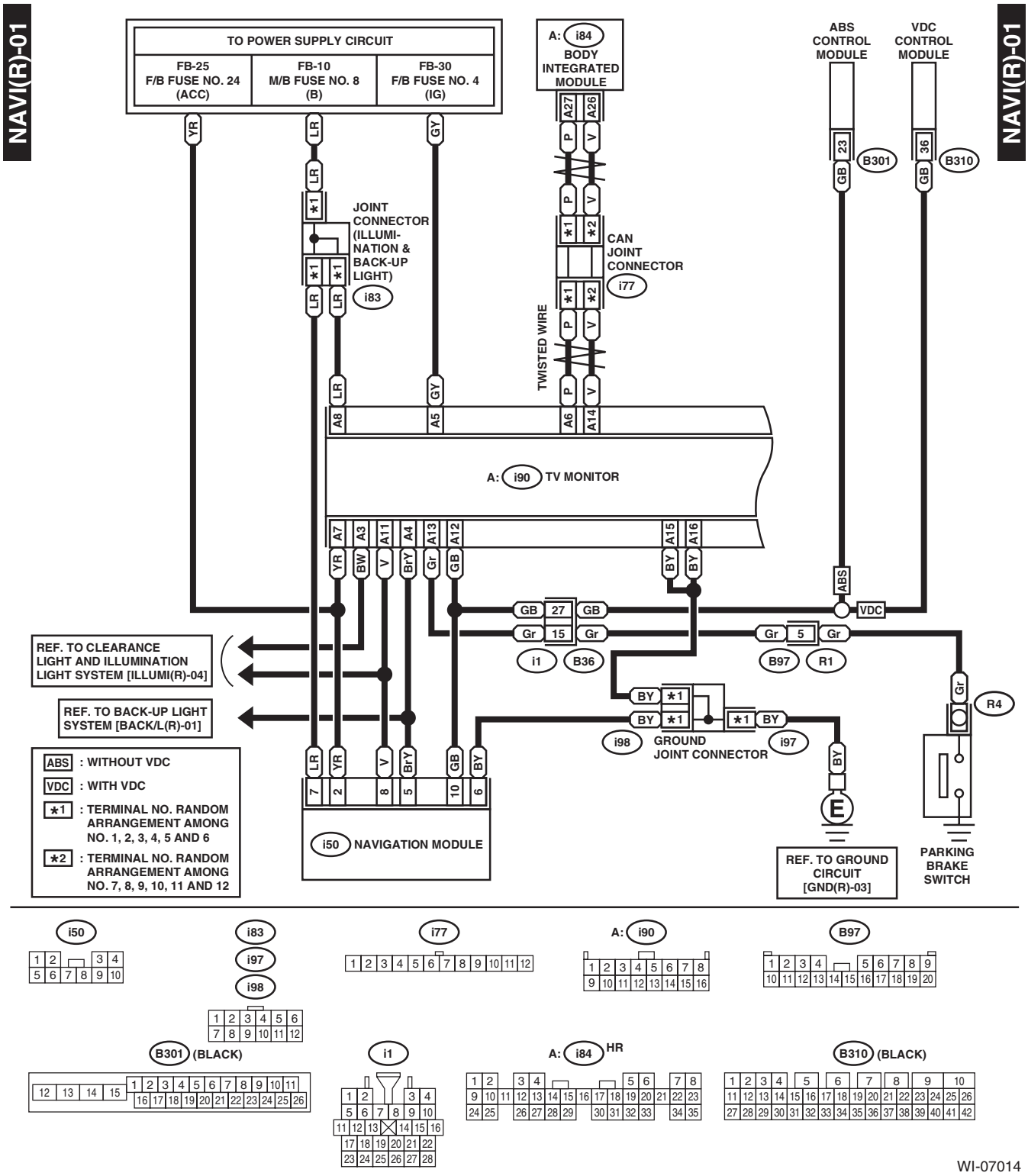
WI-07013

NAVI(L)-02



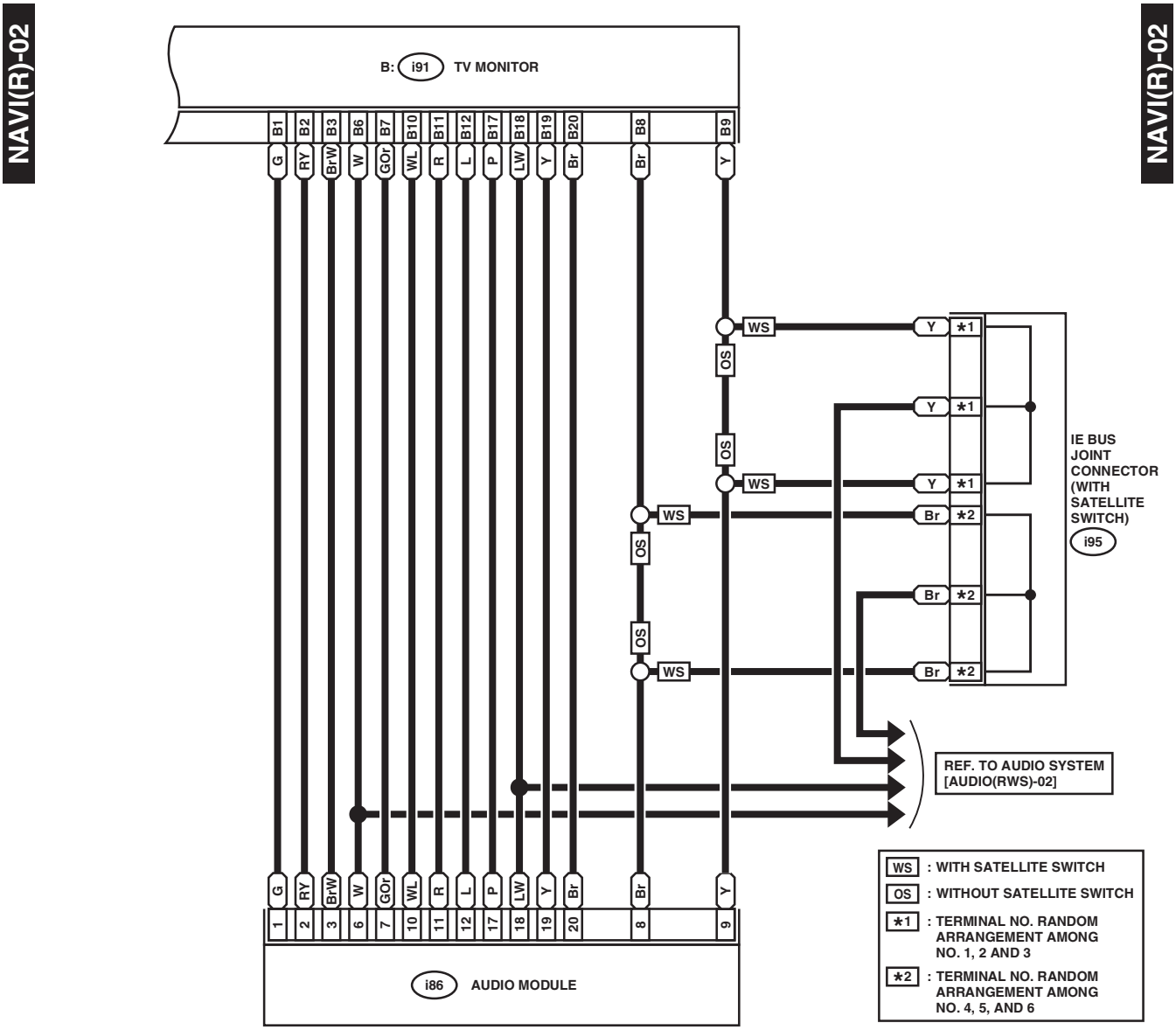
WI-07587

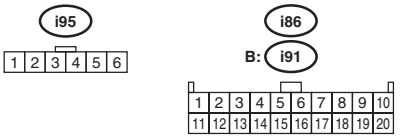
2. RHD MODEL



WI-07014

NAVI(R)-02

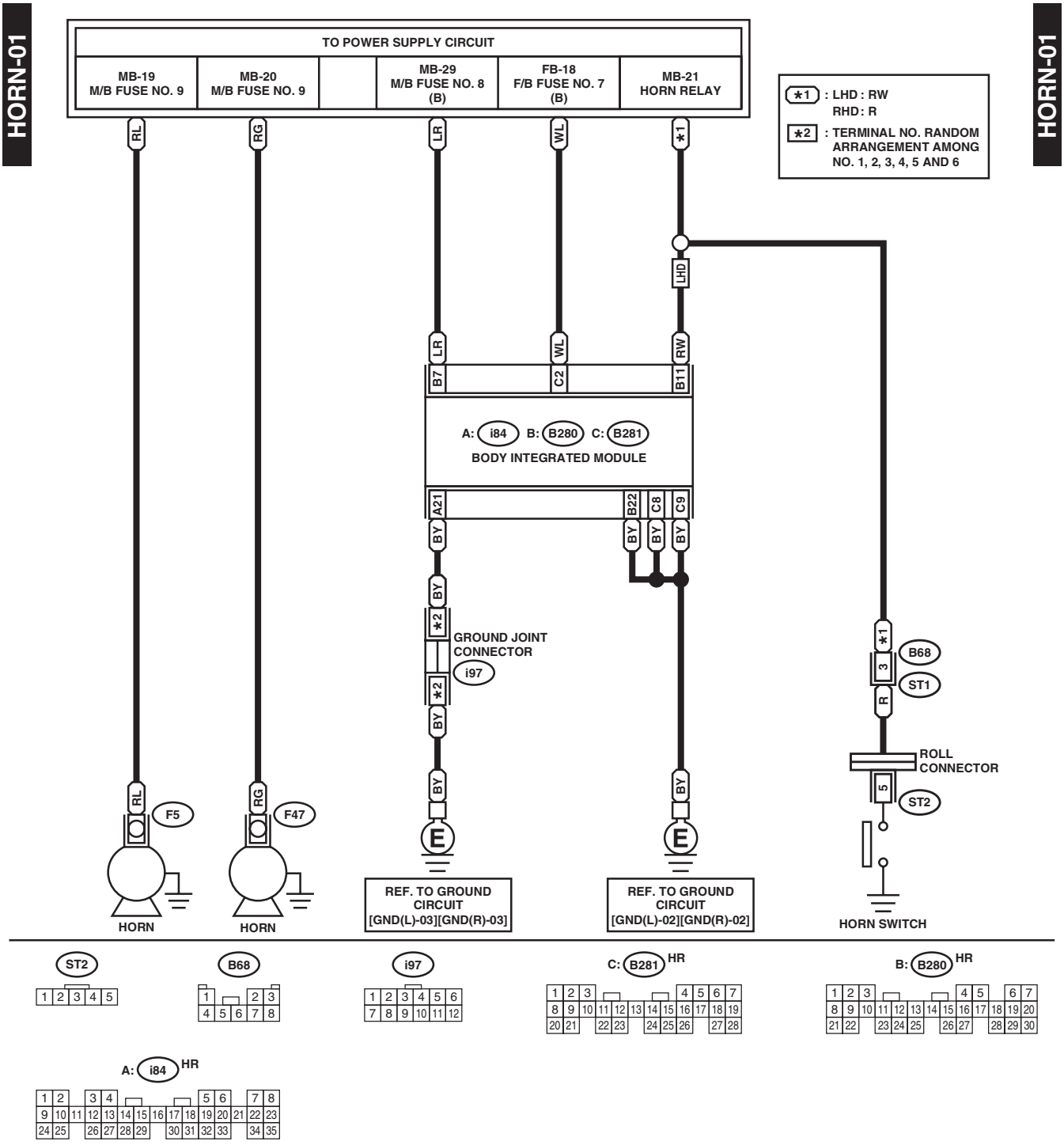




WI-07588

37.Horn System

A: WIRING DIAGRAM

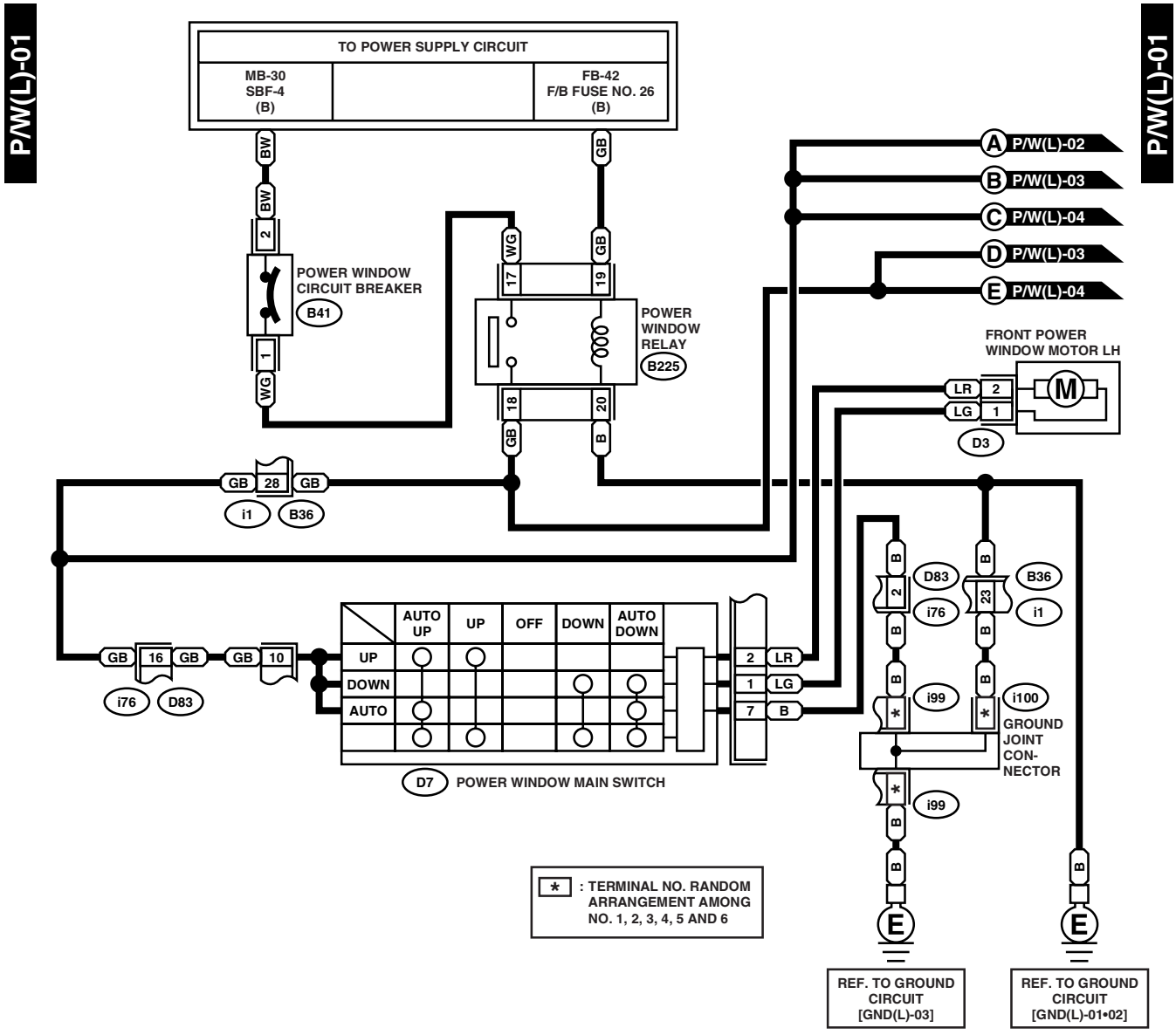


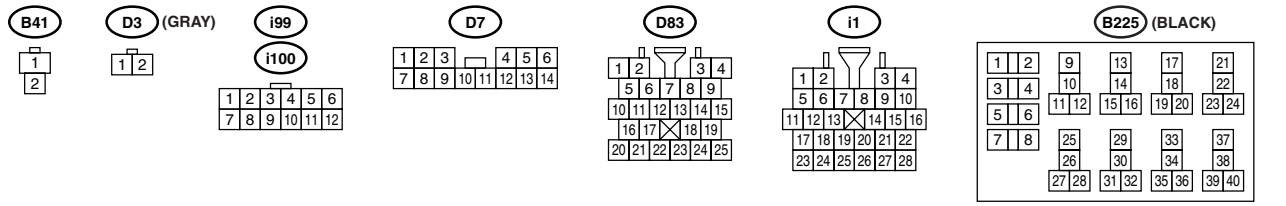
WI-07589

38.Power Window System

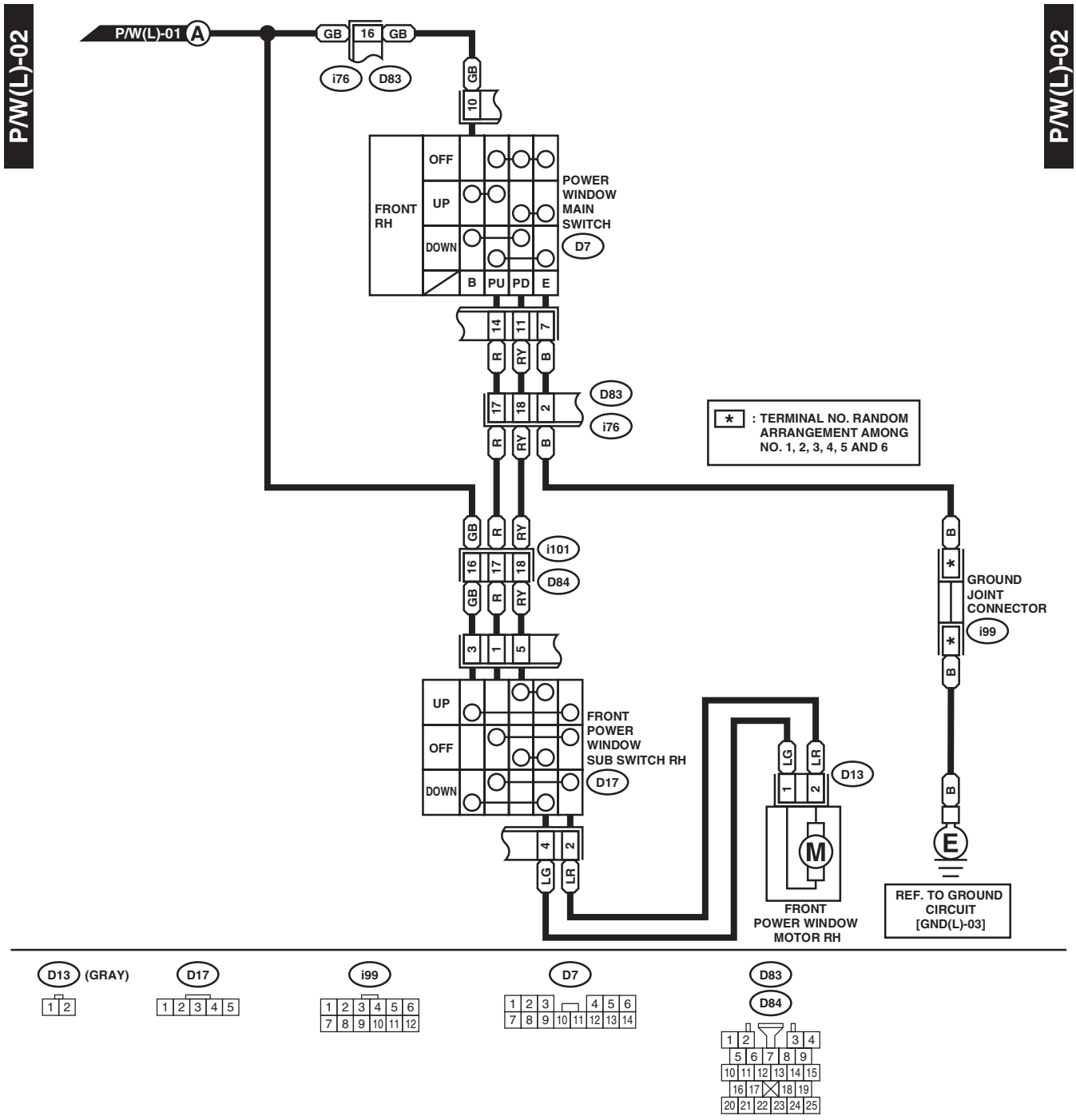
A: WIRING DIAGRAM

1. LHD MODEL

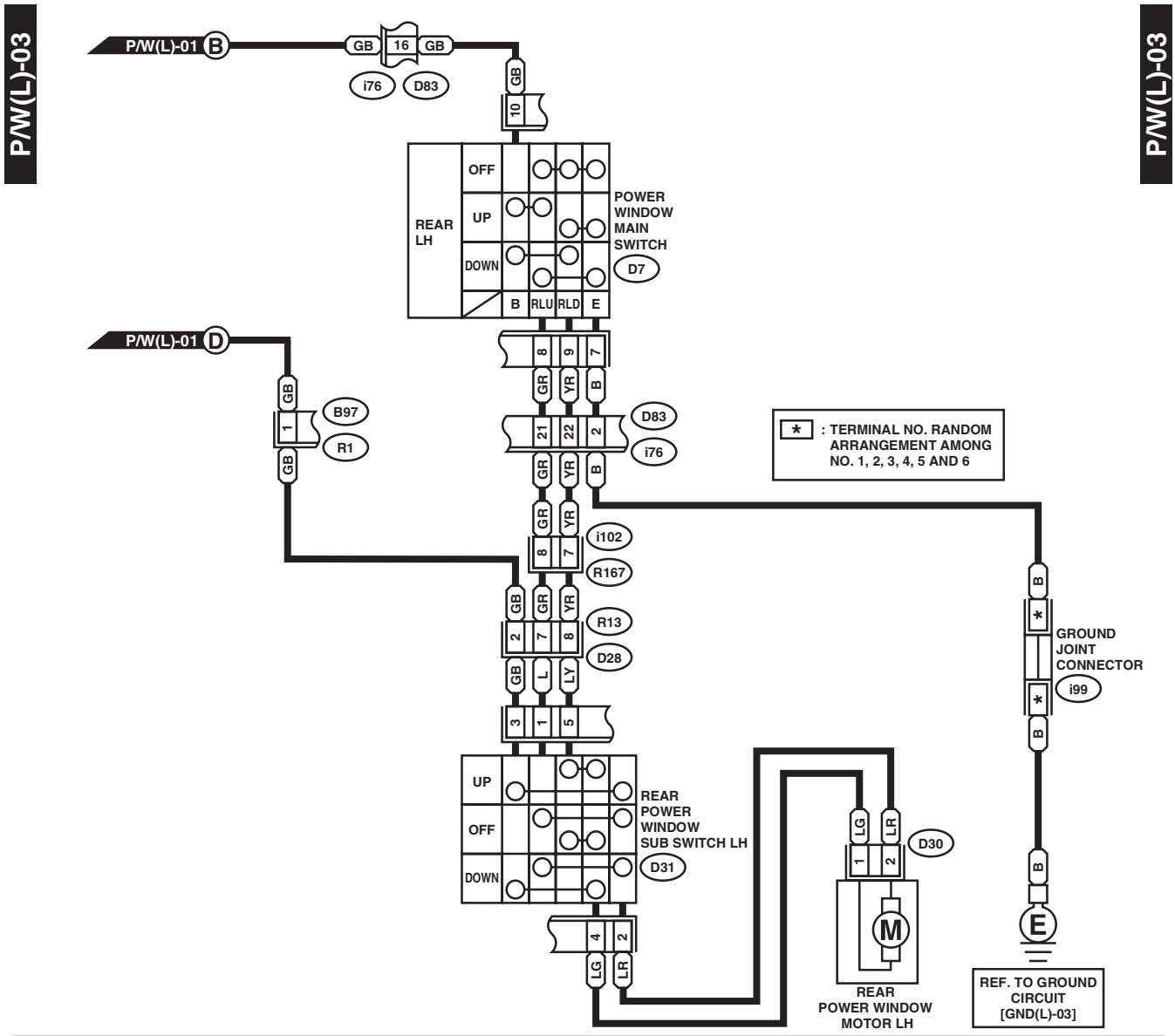


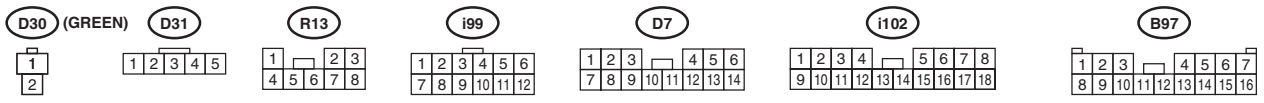


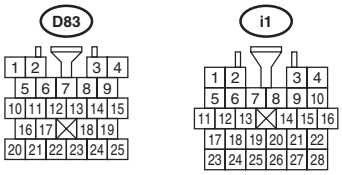
WI-07015


P/W(L)-02
P/W(L)-01
A
GB
16
GB
i76
D83
10
FRONT RH
OFF
UP
DOWN
B
PU
PD
E
POWER WINDOW MAIN SWITCH
D7
14
11
7
R
RY
B
17
18
2
D83
i76
* : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 1, 2, 3, 4, 5 AND 6
GB
R
RY
i101
16
17
18
D84
3
1
5
UP
OFF
DOWN
FRONT POWER WINDOW SUB SWITCH RH
D17
4
2
LG
LR
D13
M
FRONT POWER WINDOW MOTOR RH
B
*
GROUND JOINT CONNECTOR
i99
E
REF. TO GROUND CIRCUIT [GND(L)-03]
D13 (GRAY)
D17
i99
D7
D83
D84

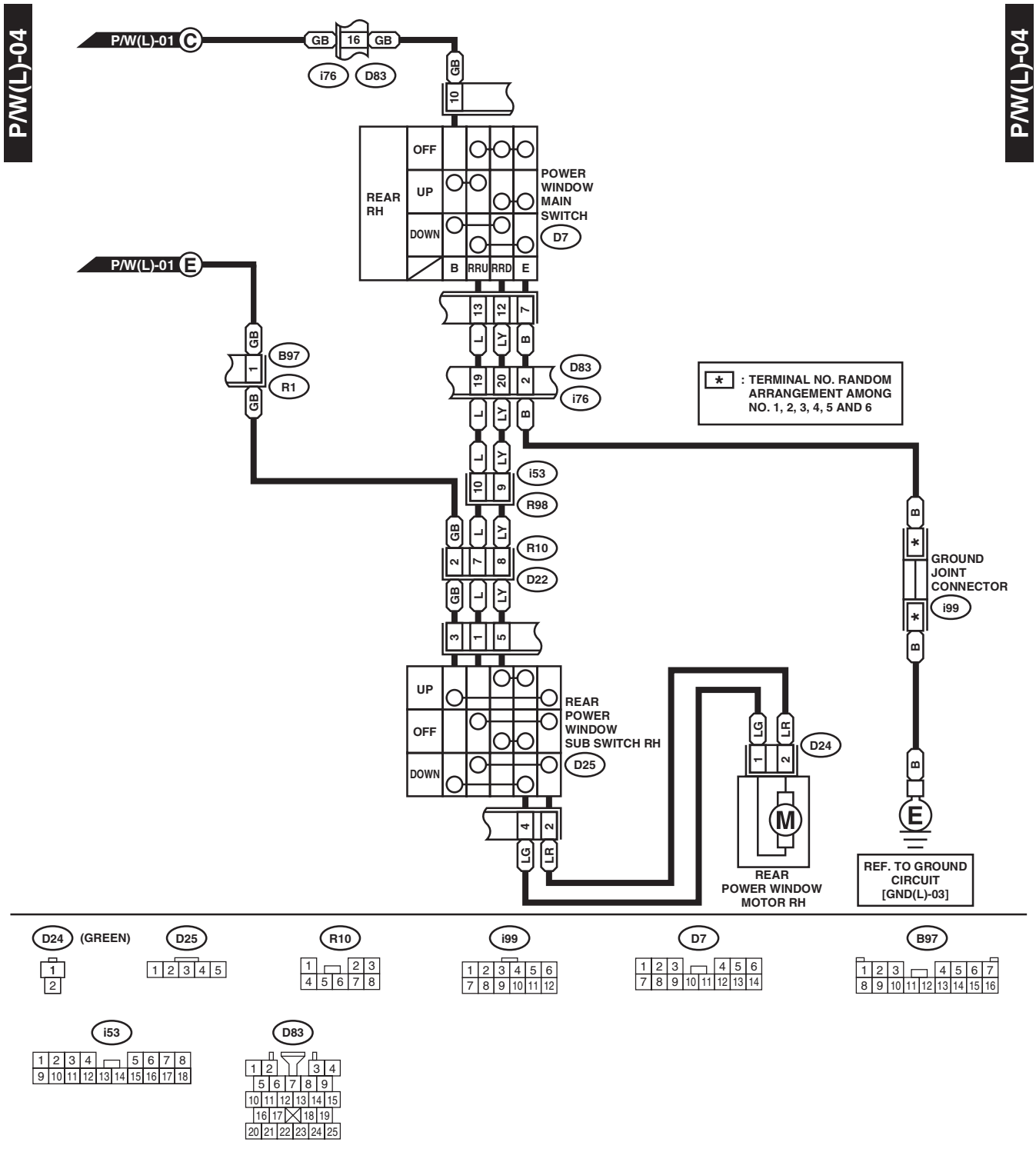
WI-07590


P/W(L)-03
P/W(L)-01 B
GB
16
GB
i76
D83
GB
10
REAR LH
OFF
UP
DOWN
B
RLU
RLD
E
POWER WINDOW MAIN SWITCH
D7
P/W(L)-01 D
GB
1
B97
R1
GB
8
9
7
GR
YR
B
21
22
2
D83
i76
* : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 1, 2, 3, 4, 5 AND 6
GR
YR
B
GR
YR
8
7
i102
R167
GB
GR
YR
2
7
8
R13
D28
GB
L
LY
3
1
5
UP
OFF
DOWN
REAR POWER WINDOW SUB SWITCH LH
D31
4
2
LG
LR
LG
LR
1
2
D30
M
REAR POWER WINDOW MOTOR LH
B
*
B
GROUND JOINT CONNECTOR
i99
*
B
B
E
REF. TO GROUND CIRCUIT [GND(L)-03]


D30 (GREEN)
D31
R13
i99
D7
i102
B97

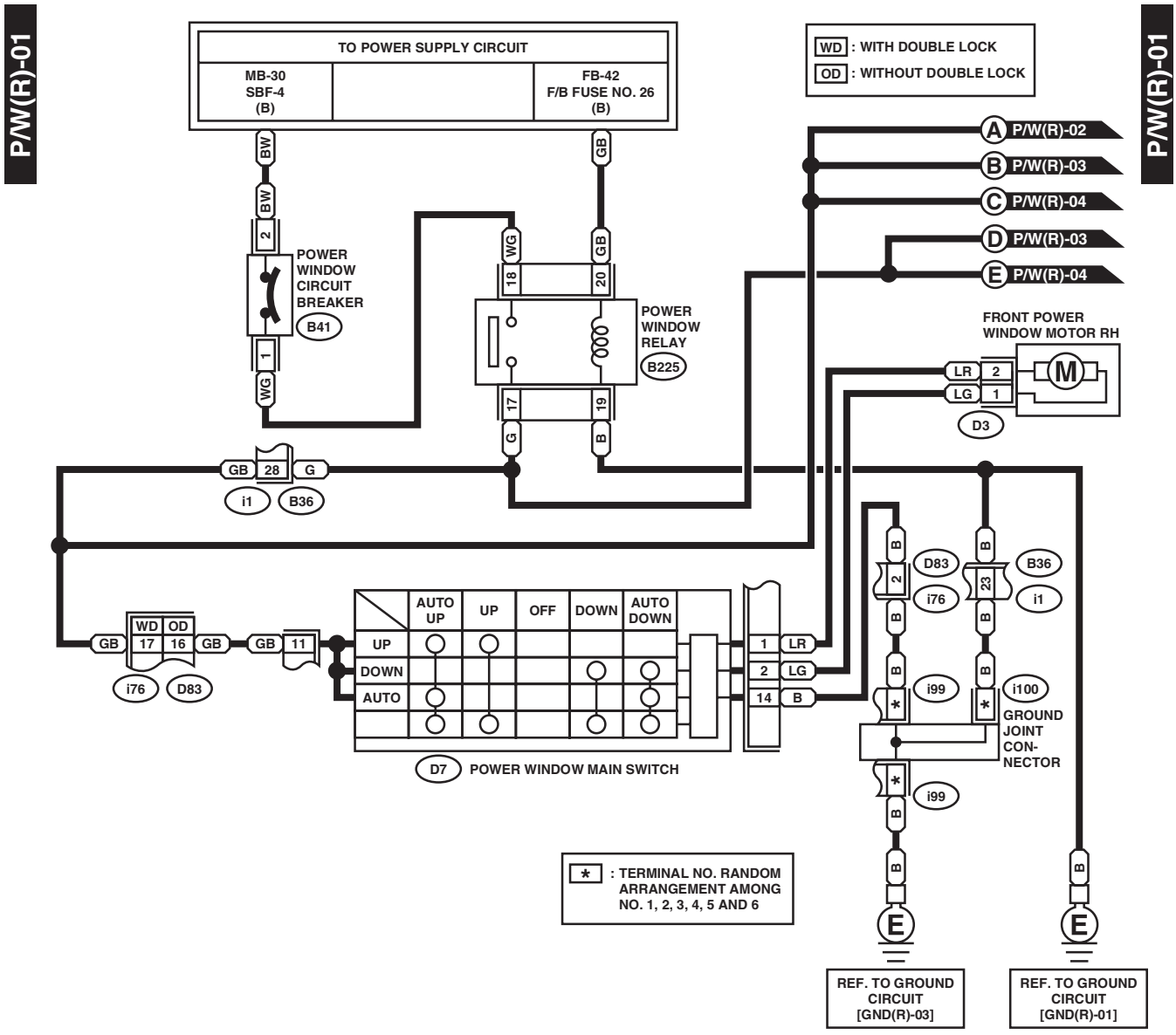

D83
i1

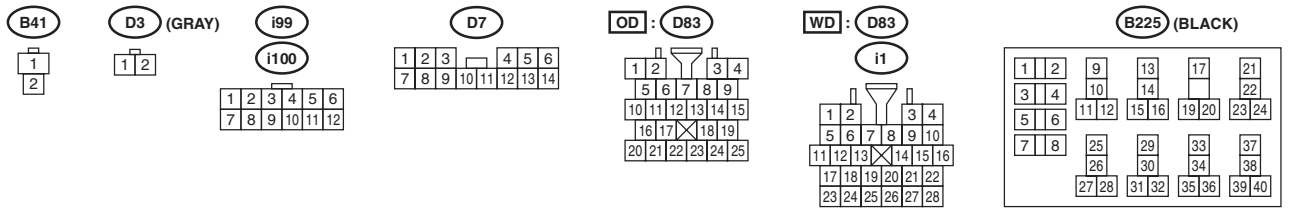
WI-07591


P/W(L)-04
P/W(L)-01 C
GB 16 GB
i76 D83
GB 10
REAR RH
OFF
UP
DOWN
B RRU RRD E
POWER WINDOW MAIN SWITCH
D7
P/W(L)-01 E
GB 1 GB
B97
R1
13 12 7
L LY B
19 20 2
D83
i76
* : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 1, 2, 3, 4, 5 AND 6
L LY
10 9
i53
R98
GB L LY
2 7 8
R10
D22
GB L LY
3 1 5
UP
OFF
DOWN
REAR POWER WINDOW SUB SWITCH RH
D25
4 2
LG LR
B * B
GROUND JOINT CONNECTOR
i99
LG LR
1 2
D24
M
REAR POWER WINDOW MOTOR RH
B
E
REF. TO GROUND CIRCUIT [GND(L)-03]
D24 (GREEN)
D25
R10
i99
D7
B97
i53
D83

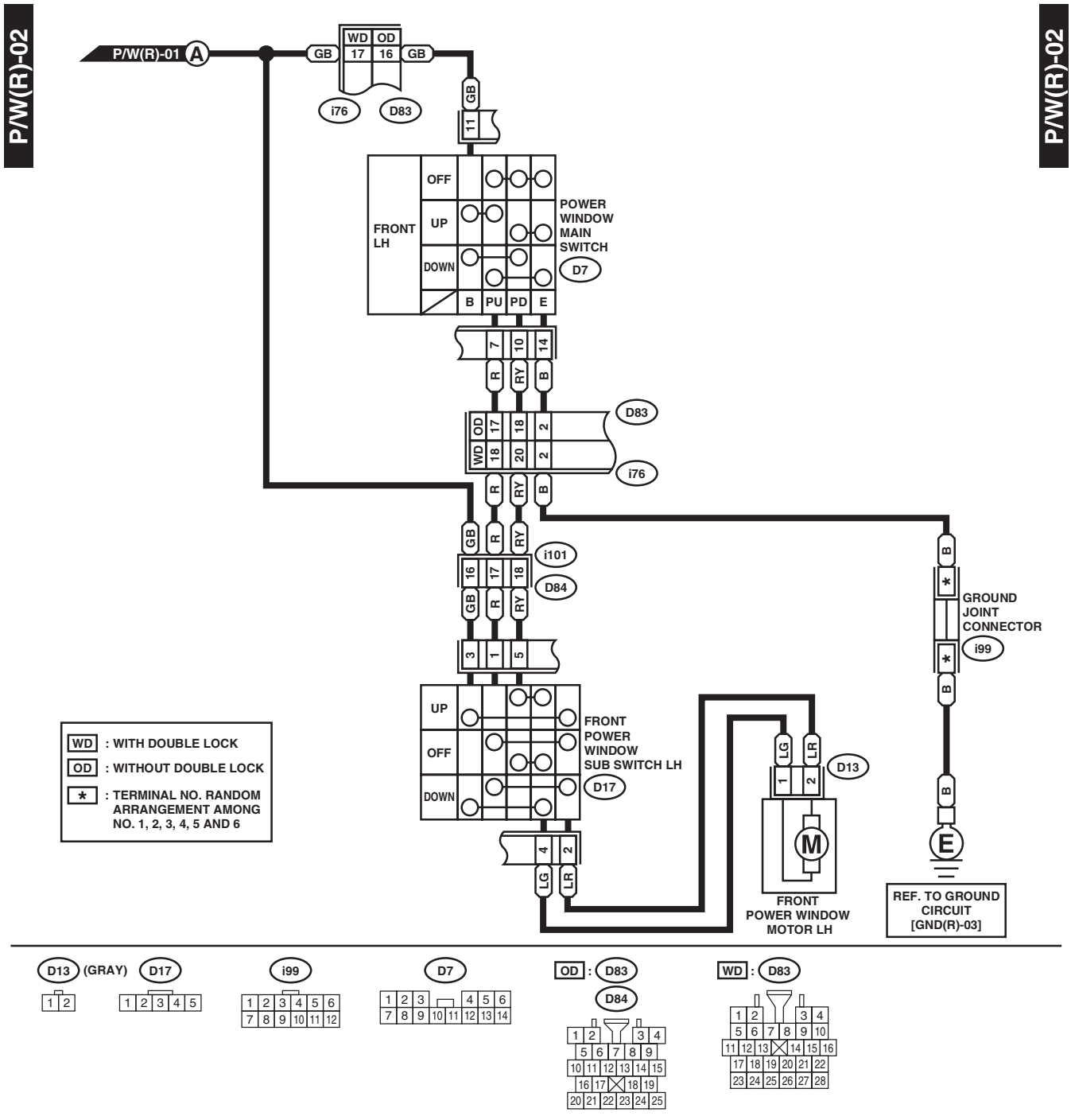
WI-07592

2. RHD MODEL

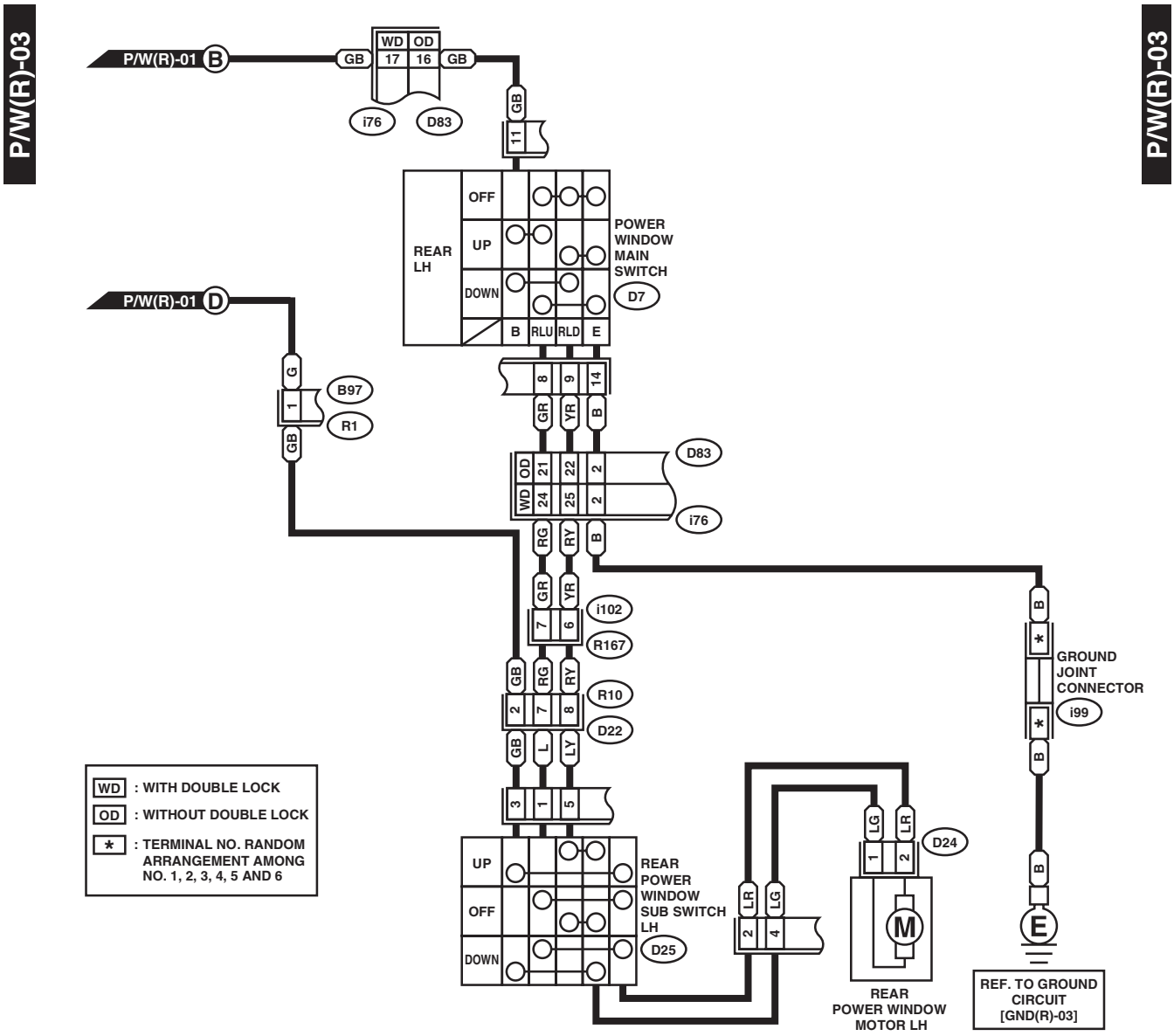


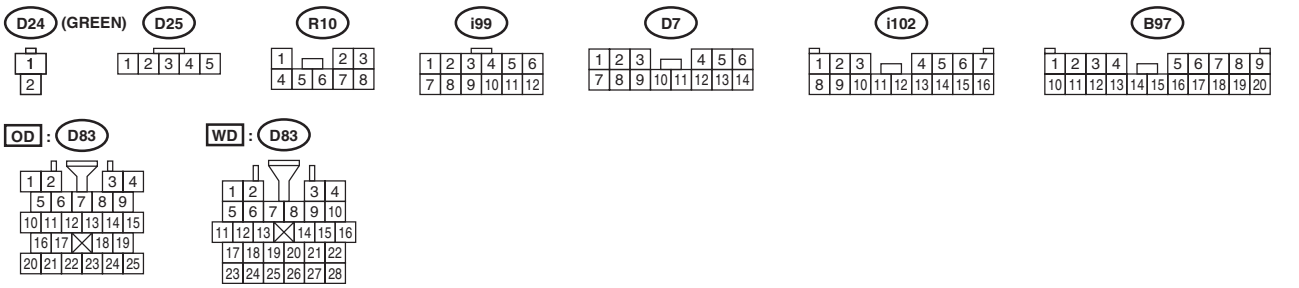


WI-07016


P/W(R)-02
P/W(R)-02
P/W(R)-01 A
WD OD
GB 17 16 GB
i76
D83
GB
11
FRONT LH
OFF
UP
DOWN
B PU PD E
POWER WINDOW MAIN SWITCH
D7
7 10 14
R RY B
D83
OD 17 18 2
WD 18 20 2
i76
R RY B
GB R RY
i101
16 17 18
D84
GB R RY
3 1 5
UP
OFF
DOWN
FRONT POWER WINDOW SUB SWITCH LH
D17
4 2
LG LR
LG LR
1 2
D13
M
FRONT POWER WINDOW MOTOR LH
B
*
GROUND JOINT CONNECTOR
i99
B
*
B
E
REF. TO GROUND CIRCUIT [GND(R)-03]
WD : WITH DOUBLE LOCK
OD : WITHOUT DOUBLE LOCK
* : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 1, 2, 3, 4, 5 AND 6
D13 (GRAY)
D17
i99
D7
OD : D83
D84
WD : D83

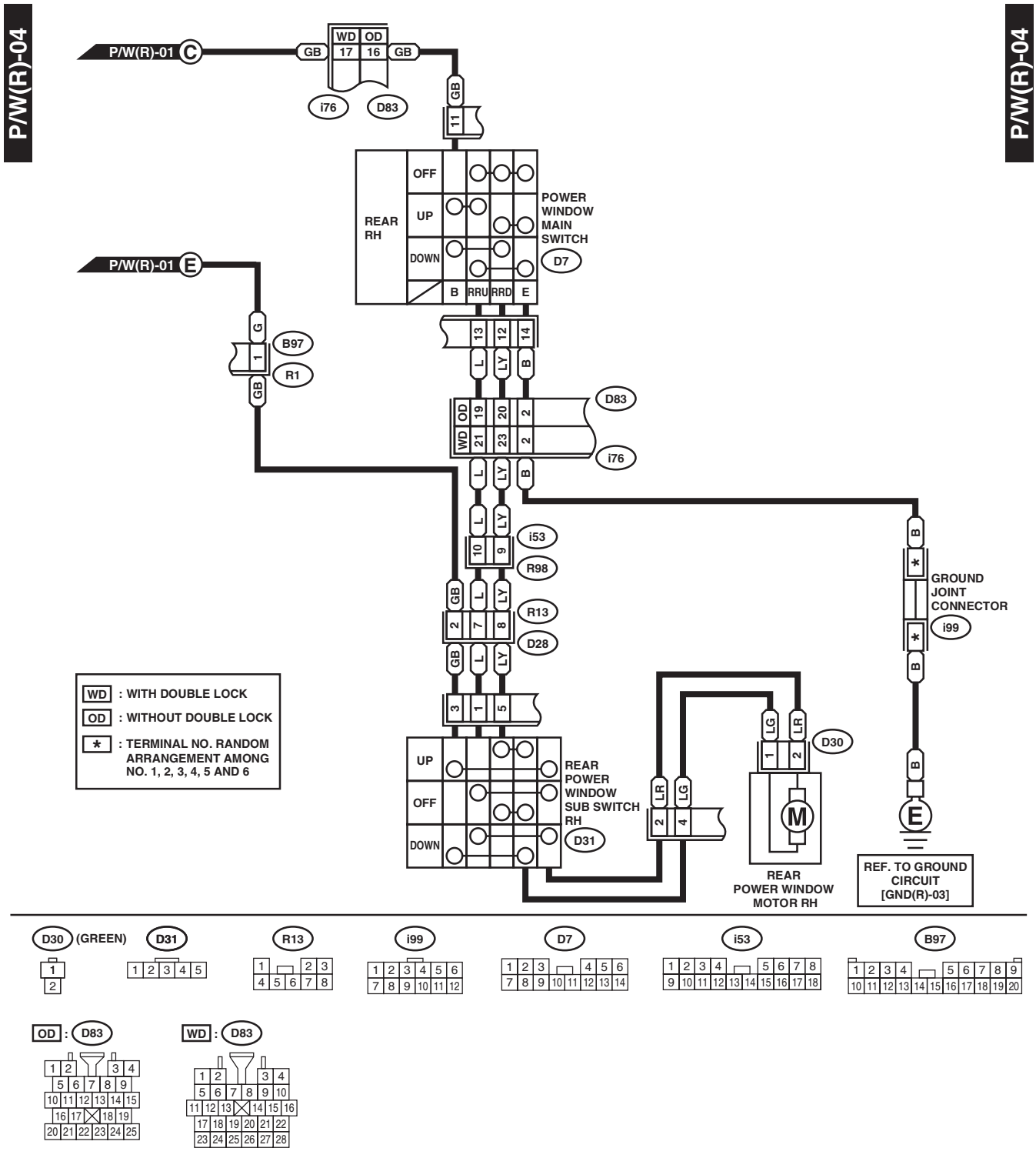
WI-07593


P/W(R)-03
P/W(R)-01 B
P/W(R)-01 D
WD OD
17 16
i76
D83
GB
11
REAR LH
OFF
UP
DOWN
B RLU RLD E
POWER WINDOW MAIN SWITCH
D7
8 9 14
GR YR B
OD 21 22 2
WD 24 25 2
RG RY B
GR YR
7 6
i102
R167
GB RG RY
2 7 8
R10
D22
GB L LY
3 1 5
UP
OFF
DOWN
REAR POWER WINDOW SUB SWITCH LH
D25
G
1
B97
R1
GB
LR LG
2 4
LG LR
1 2
D24
M
REAR POWER WINDOW MOTOR LH
B
*
GROUND JOINT CONNECTOR
i99
E
REF. TO GROUND CIRCUIT [GND(R)-03]
WD : WITH DOUBLE LOCK
OD : WITHOUT DOUBLE LOCK
* : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 1, 2, 3, 4, 5 AND 6


D24 (GREEN)
D25
R10
i99
D7
i102
B97

OD : D83
WD : D83

WI-07594

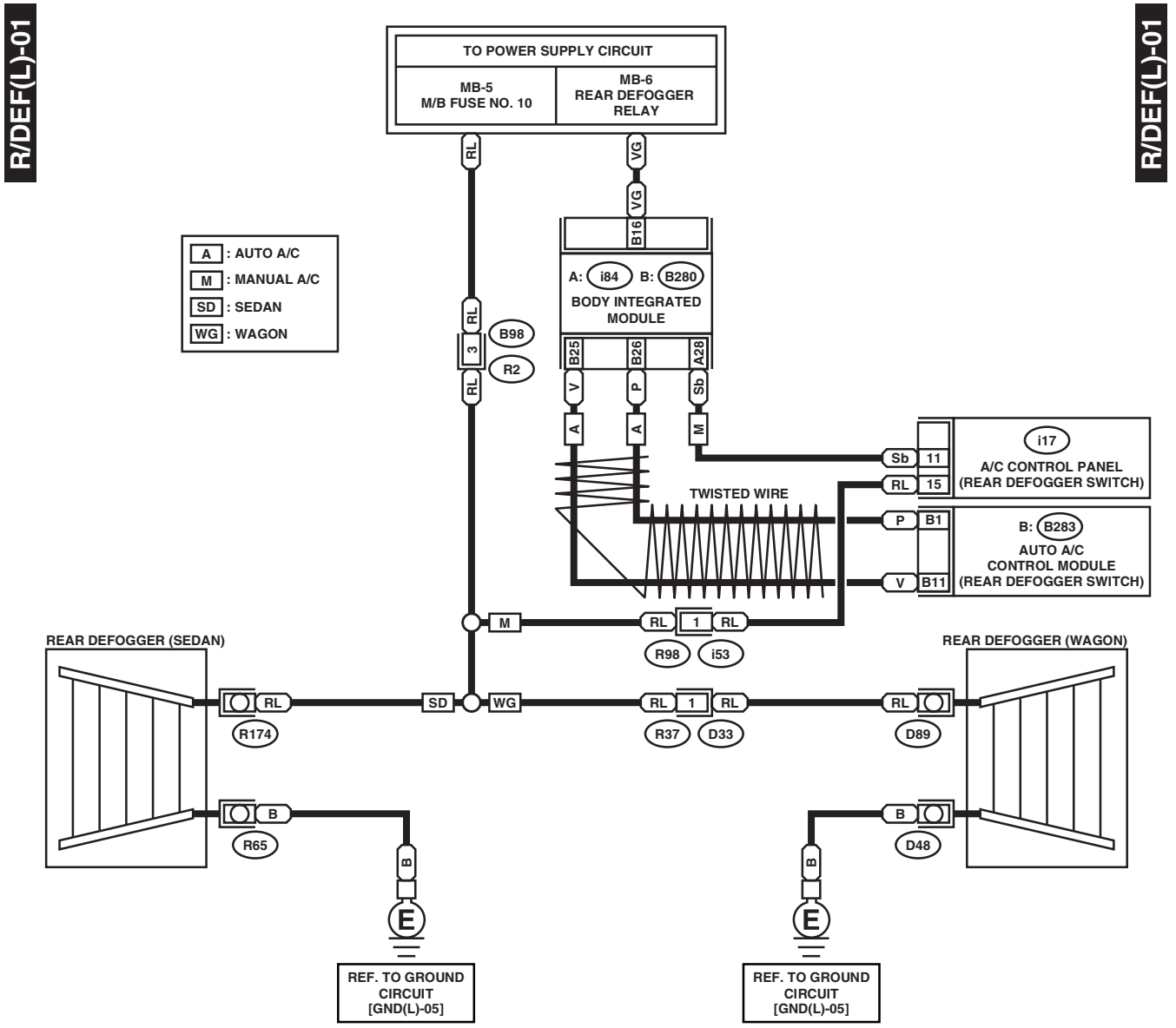

P/W(R)-04
P/W(R)-01 C
GB
WD OD
17 16
GB
i76
D83
GB
11
REAR RH
OFF
UP
DOWN
B RRU RRD E
POWER WINDOW MAIN SWITCH
D7
P/W(R)-01 E
G
1
B97
R1
GB
13 12 14
L LY B
D83
OD 19 20 2
WD 21 23 2
i76
L LY B
L LY
10 9
i53
R98
GB L LY
2 7 8
R13
D28
GB L LY
3 1 5
B * GROUND JOINT CONNECTOR i99 * B
B
E
WD : WITH DOUBLE LOCK
OD : WITHOUT DOUBLE LOCK
* : TERMINAL NO. RANDOM ARRANGEMENT AMONG NO. 1, 2, 3, 4, 5 AND 6
UP
OFF
DOWN
REAR POWER WINDOW SUB SWITCH RH
D31
LR LG
2 4
LG LR
1 2
D30
M
REAR POWER WINDOW MOTOR RH
REF. TO GROUND CIRCUIT [GND(R)-03]
D30 (GREEN)
D31
R13
i99
D7
i53
B97
OD : D83
WD : D83

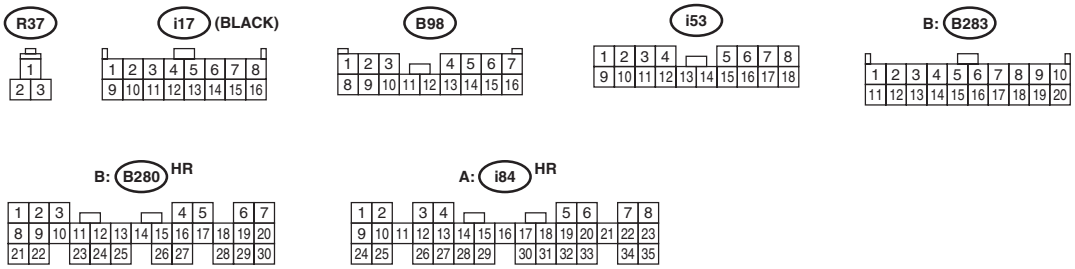
WI-07595

39.Rear Defogger System

A: WIRING DIAGRAM

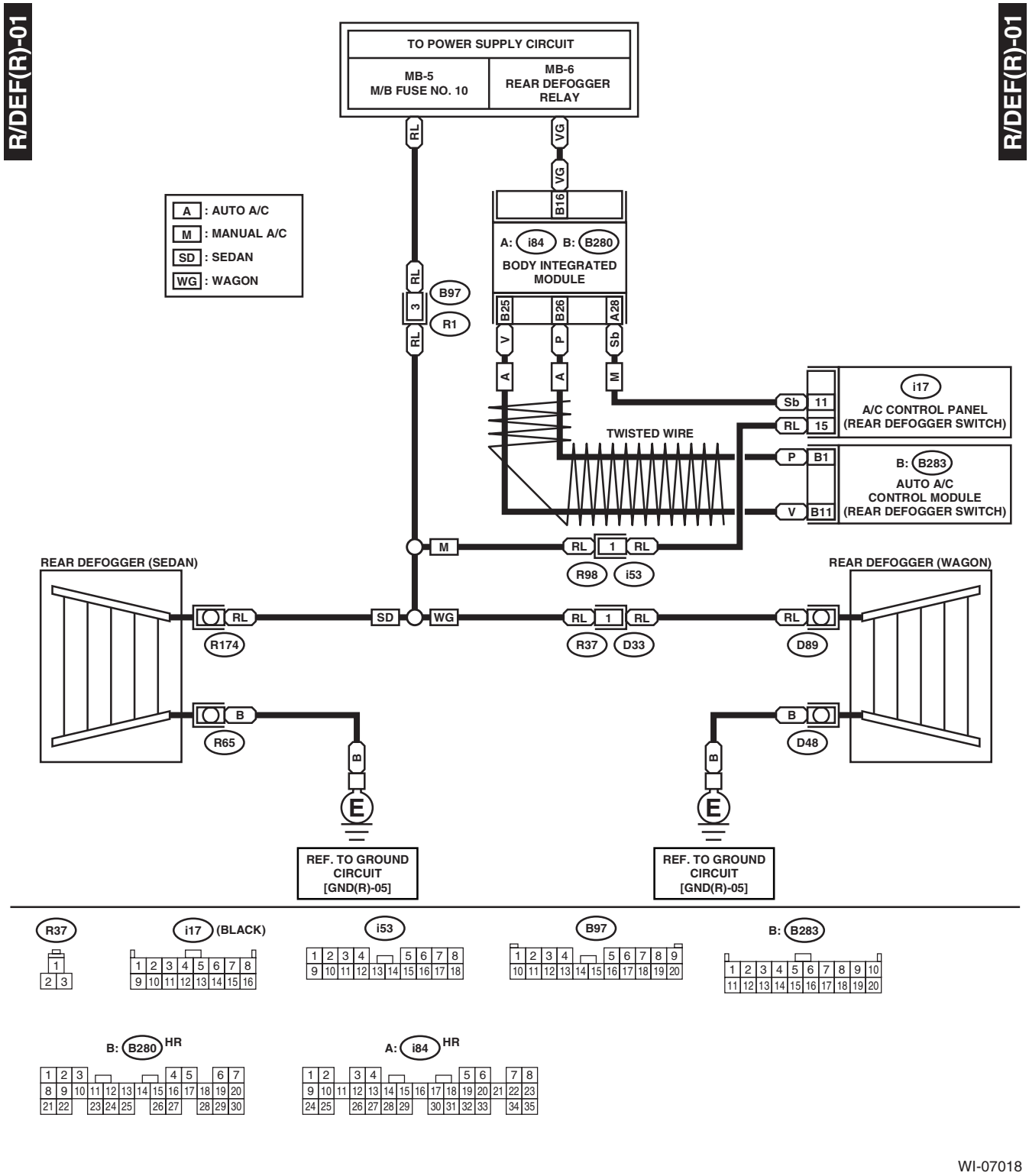
1. LHD MODEL





WI-07017

2. RHD MODEL

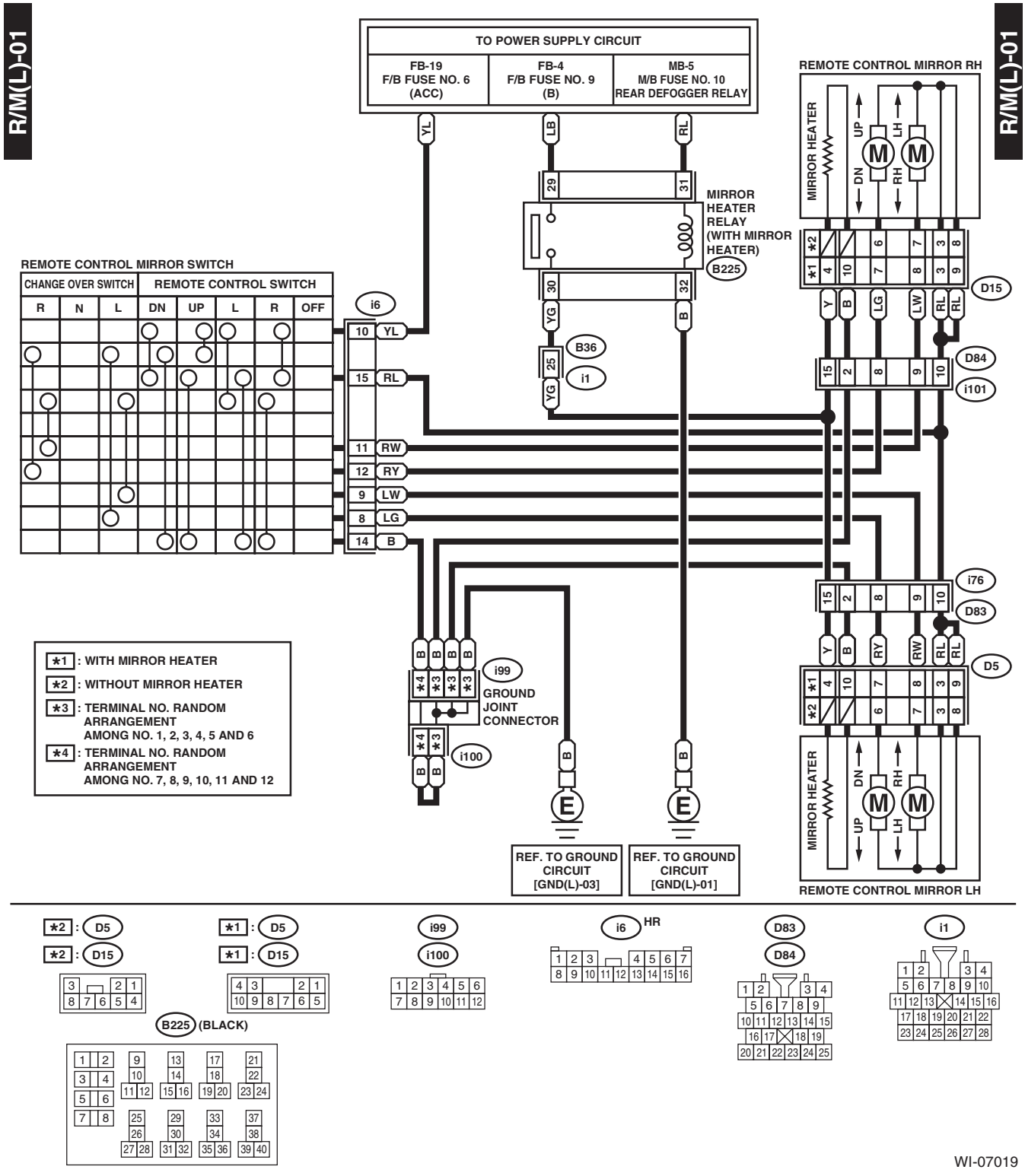


WI-07018

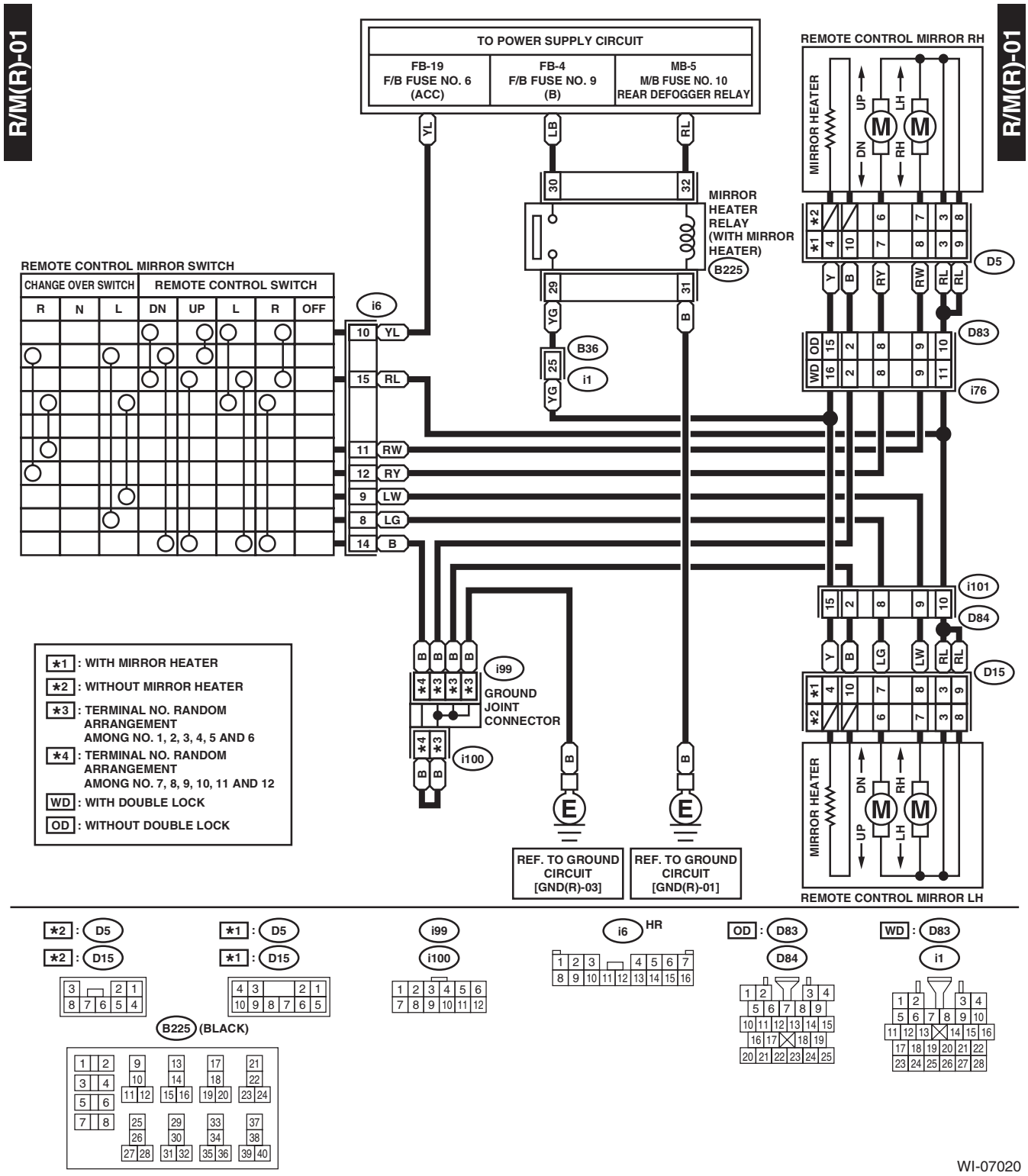
40.Remote Control Mirror System

A: WIRING DIAGRAM

1. LHD MODEL



2. RHD MODEL



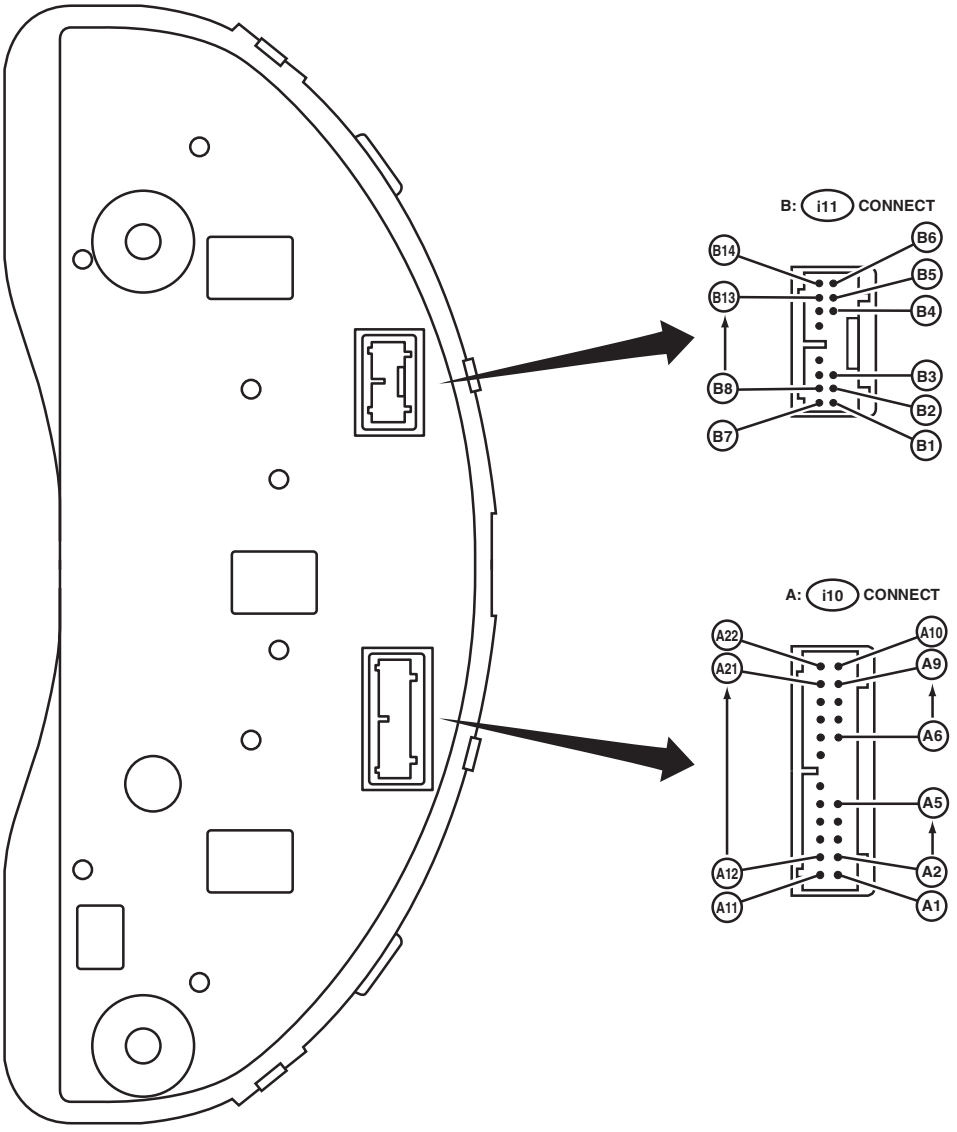
WI-07020

41.Combination Meter System

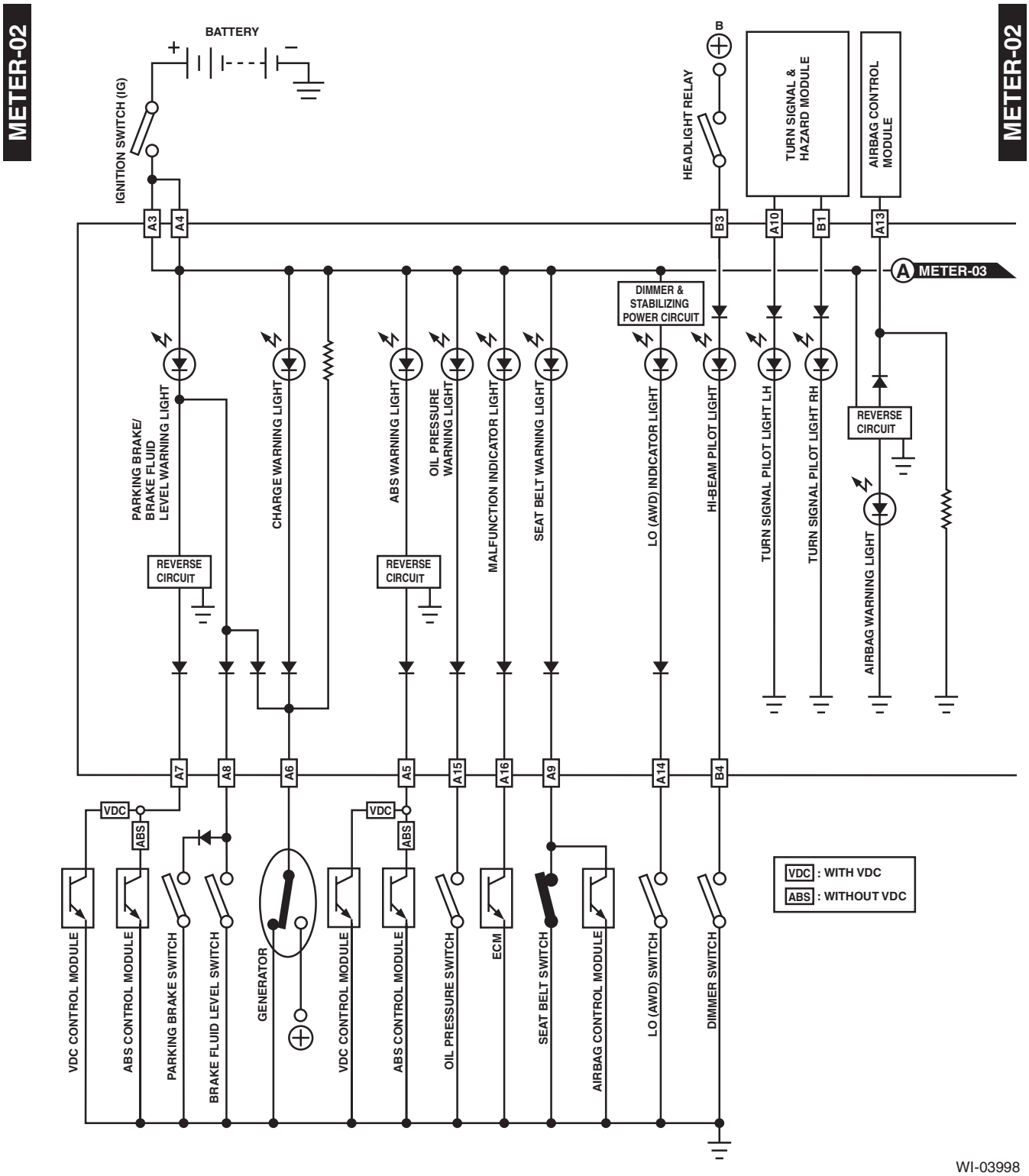
A: WIRING DIAGRAM

METER-01

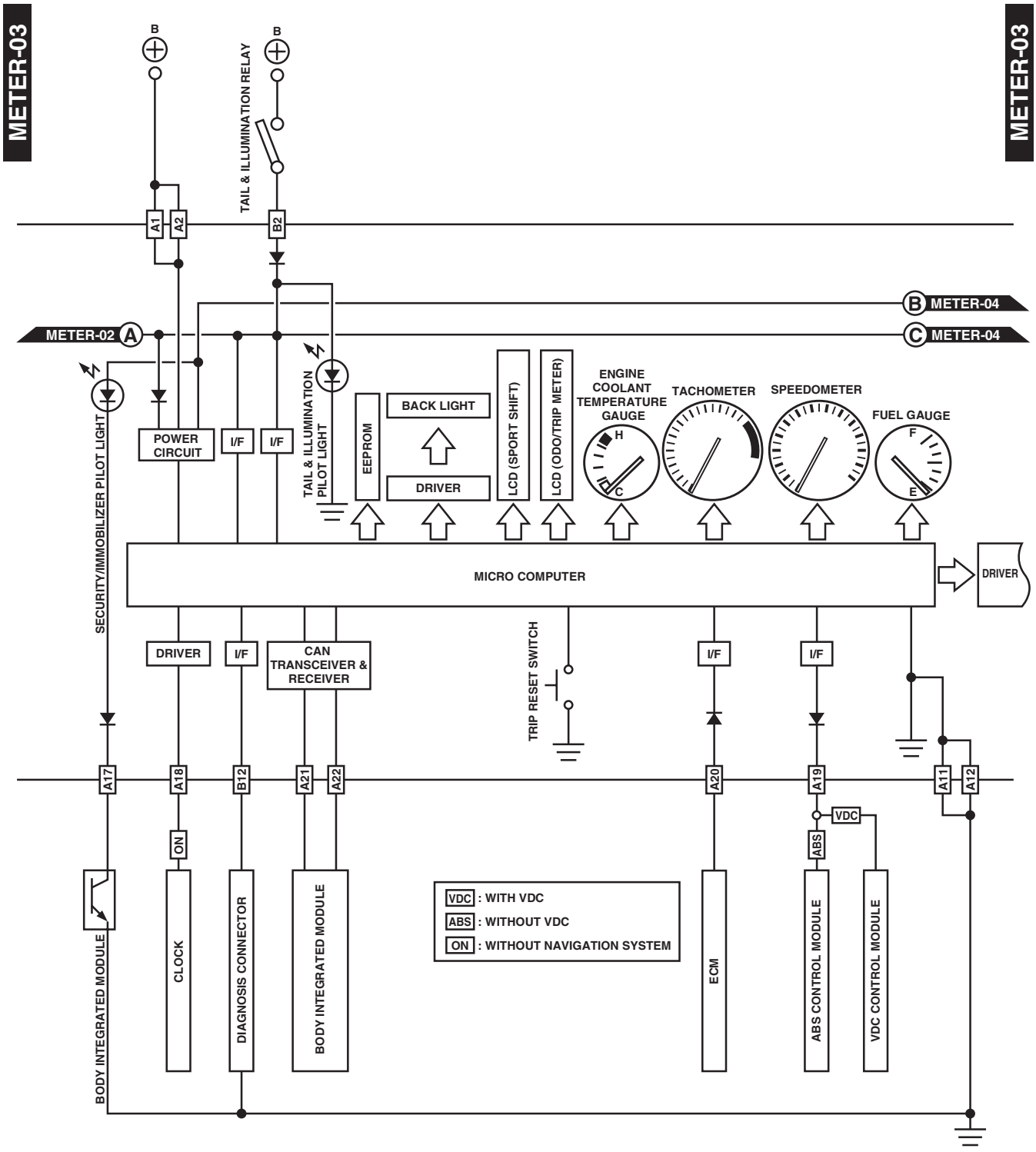
METER-01



WI-03684


METER-02
METER-02
BATTERY
IGNITION SWITCH (IG)
HEADLIGHT RELAY
B
TURN SIGNAL & HAZARD MODULE
AIRBAG CONTROL MODULE
A3
A4
B3
A10
B1
A13
A METER-03
DIMMER & STABILIZING POWER CIRCUIT
PARKING BRAKE/ BRAKE FLUID LEVEL WARNING LIGHT
CHARGE WARNING LIGHT
ABS WARNING LIGHT
OIL PRESSURE WARNING LIGHT
MALFUNCTION INDICATOR LIGHT
SEAT BELT WARNING LIGHT
LO (AWD) INDICATOR LIGHT
HI-BEAM PILOT LIGHT
TURN SIGNAL PILOT LIGHT LH
TURN SIGNAL PILOT LIGHT RH
REVERSE CIRCUIT
REVERSE CIRCUIT
REVERSE CIRCUIT
AIRBAG WARNING LIGHT
A7
A8
A6
A5
A15
A16
A9
A14
B4
VDC
ABS
VDC
ABS
VDC CONTROL MODULE
ABS CONTROL MODULE
PARKING BRAKE SWITCH
BRAKE FLUID LEVEL SWITCH
GENERATOR
VDC CONTROL MODULE
ABS CONTROL MODULE
OIL PRESSURE SWITCH
ECM
SEAT BELT SWITCH
AIRBAG CONTROL MODULE
LO (AWD) SWITCH
DIMMER SWITCH
VDC : WITH VDC
ABS : WITHOUT VDC

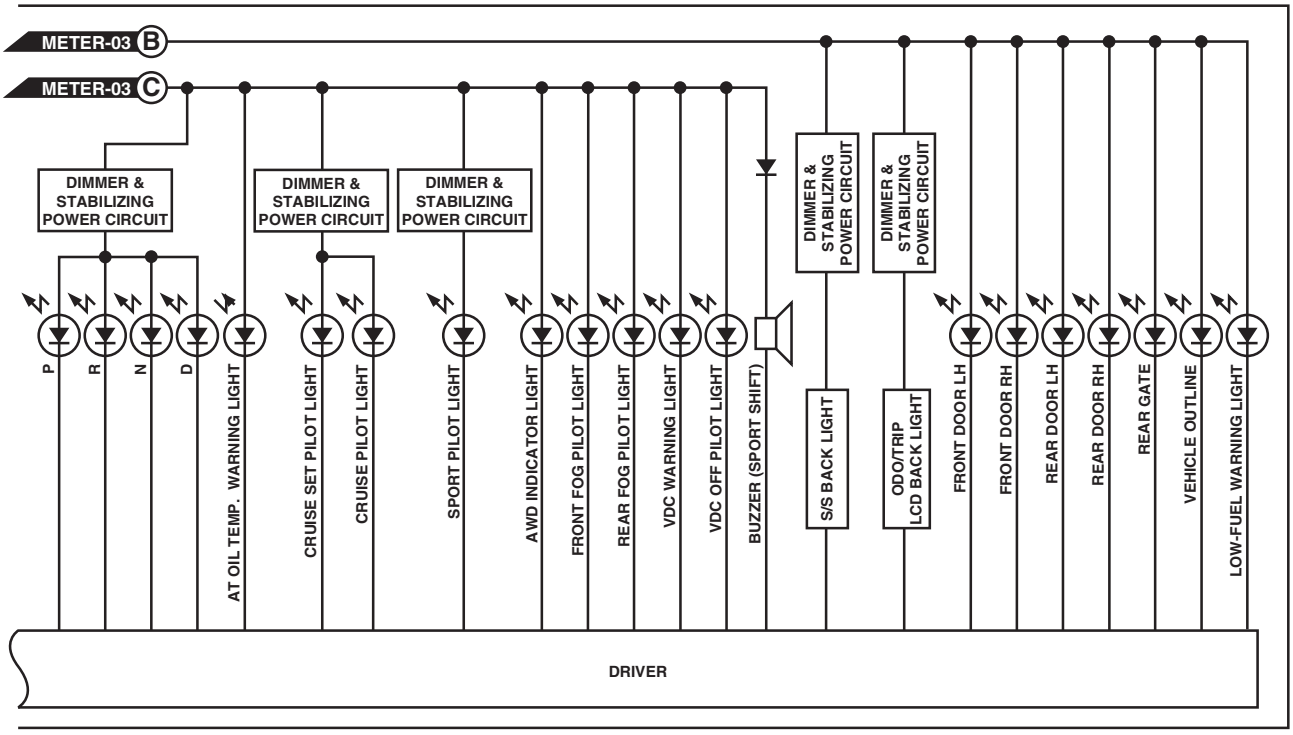
WI-03998


METER-03
METER-03
B
B
TAIL & ILLUMINATION RELAY
A1
A2
B2
METER-02 A
B METER-04
C METER-04
SECURITY/IMMOBILIZER PILOT LIGHT
POWER CIRCUIT
I/F
I/F
TAIL & ILLUMINATION PILOT LIGHT
EEPROM
BACK LIGHT
DRIVER
LCD (SPORT SHIFT)
LCD (ODO/TRIP METER)
ENGINE COOLANT TEMPERATURE GAUGE
H
C
TACHOMETER
SPEEDOMETER
FUEL GAUGE
F
E
MICRO COMPUTER
DRIVER
DRIVER
I/F
CAN TRANSCEIVER & RECEIVER
TRIP RESET SWITCH
I/F
I/F
A17
A18
B12
A21
A22
A20
A19
A11
A12
VDC
ABS
ON
VDC : WITH VDC
ABS : WITHOUT VDC
ON : WITHOUT NAVIGATION SYSTEM
BODY INTEGRATED MODULE
CLOCK
DIAGNOSIS CONNECTOR
BODY INTEGRATED MODULE
ECM
ABS CONTROL MODULE
VDC CONTROL MODULE

WI-08323

METER-04

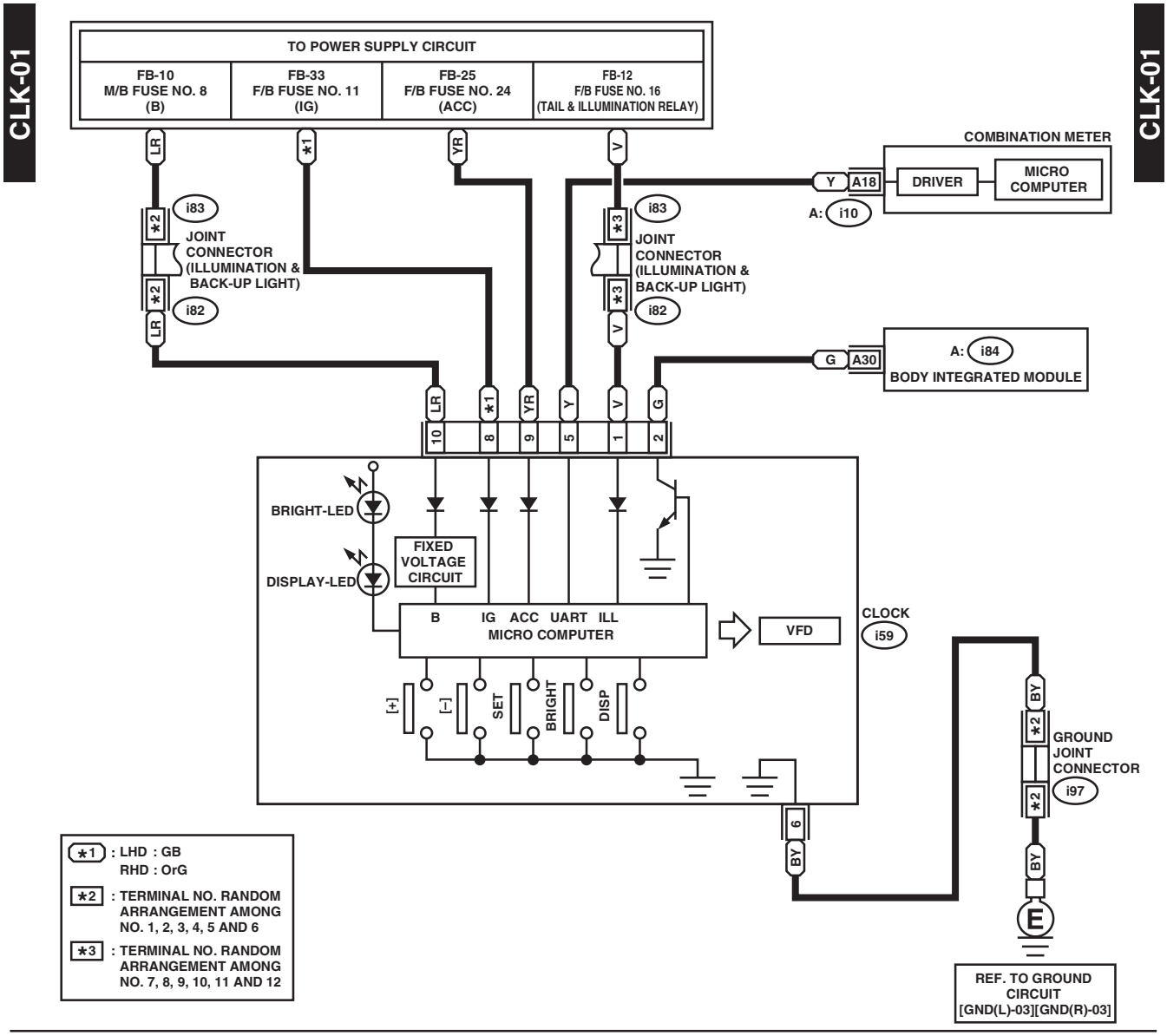
METER-04

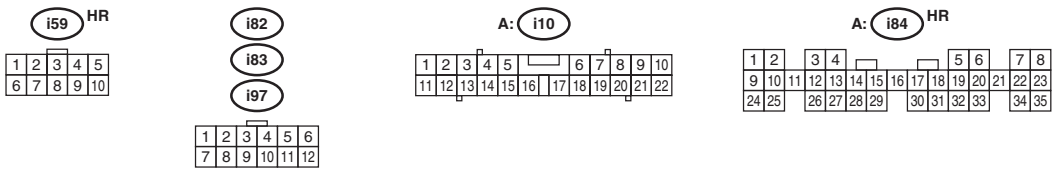


WI-07021

42. Clock System

A: WIRING DIAGRAM

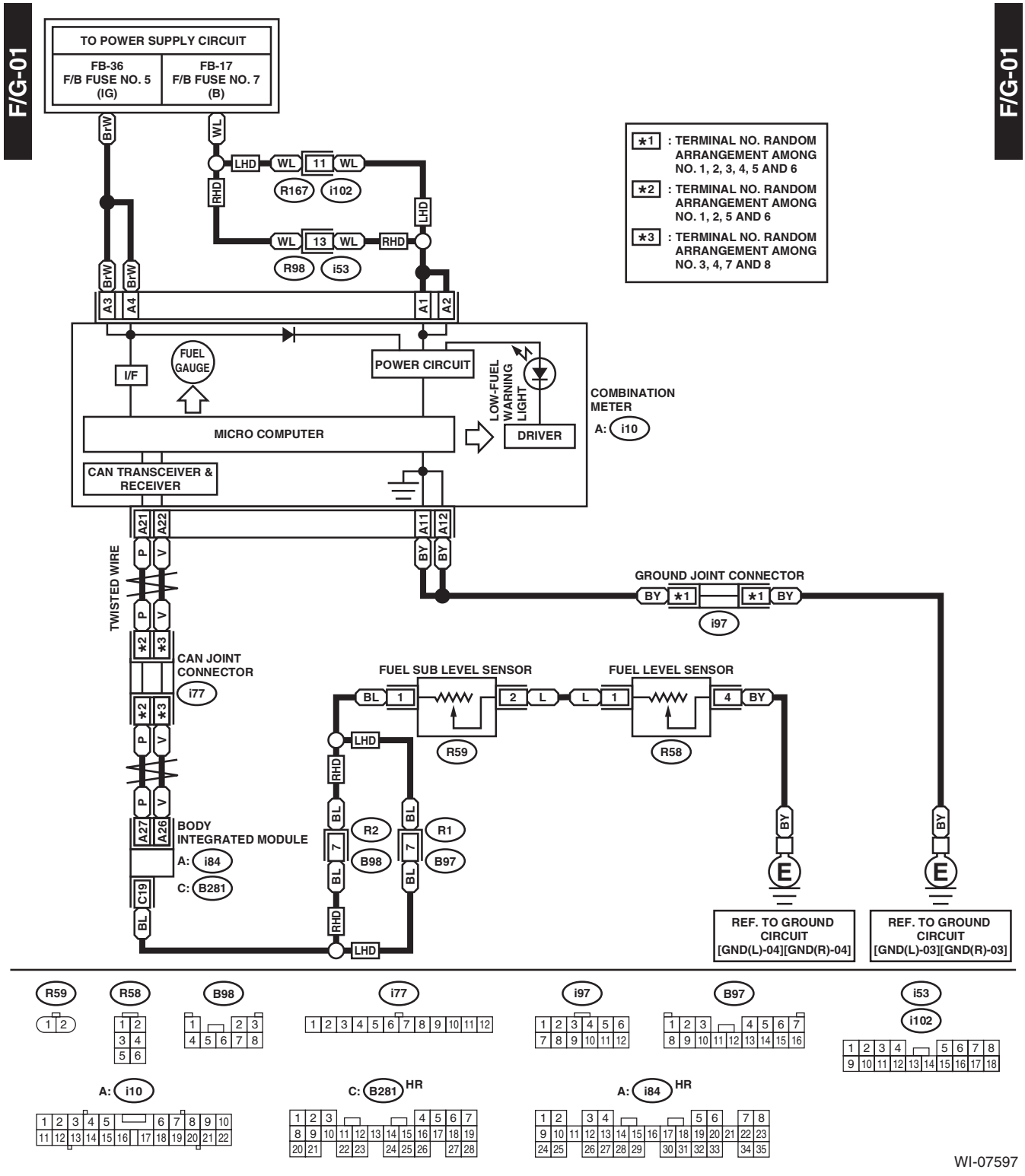




WI-07596

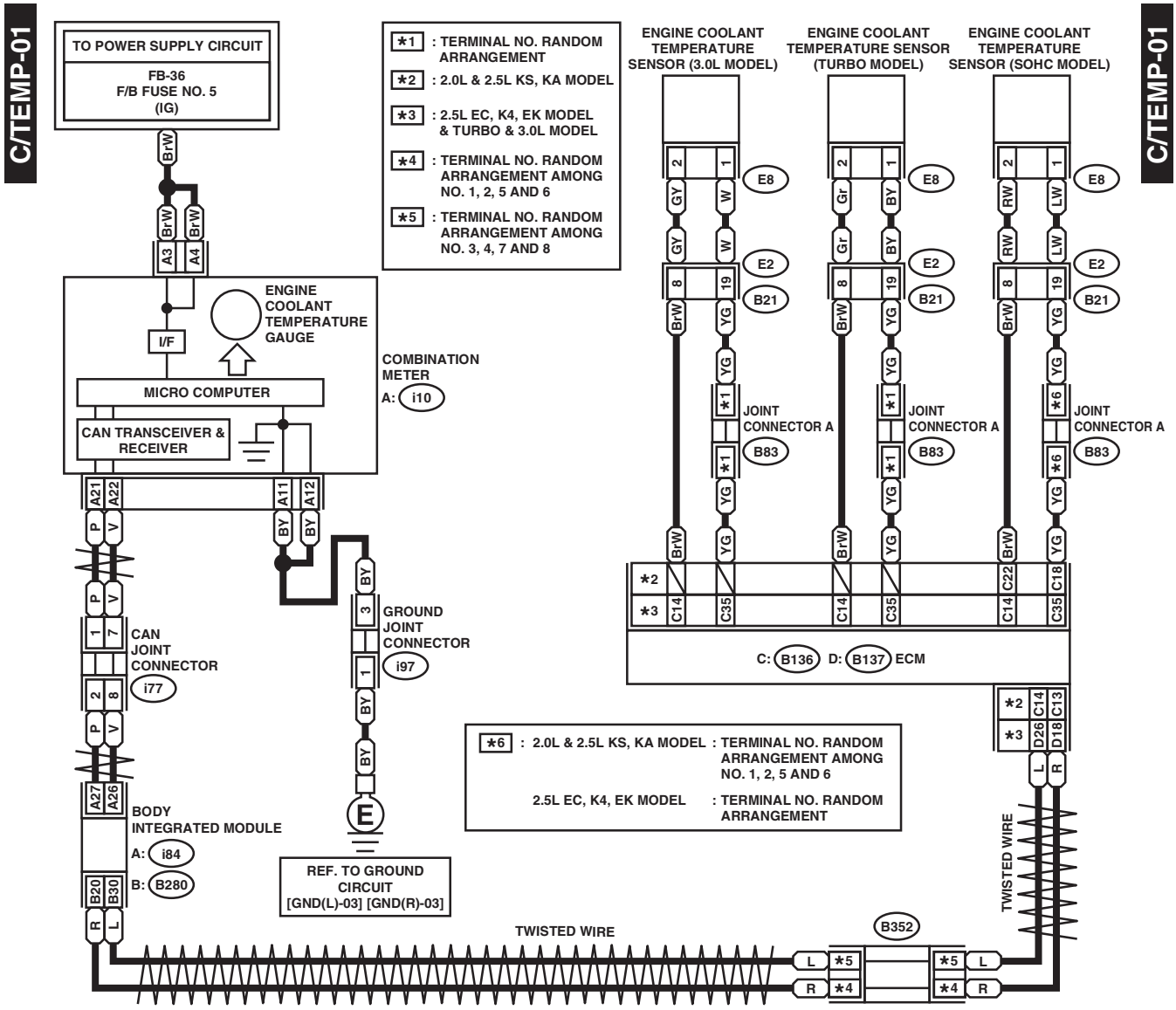
43.Fuel Gauge System

A: WIRING DIAGRAM



44.Coolant Temperature System

A: WIRING DIAGRAM



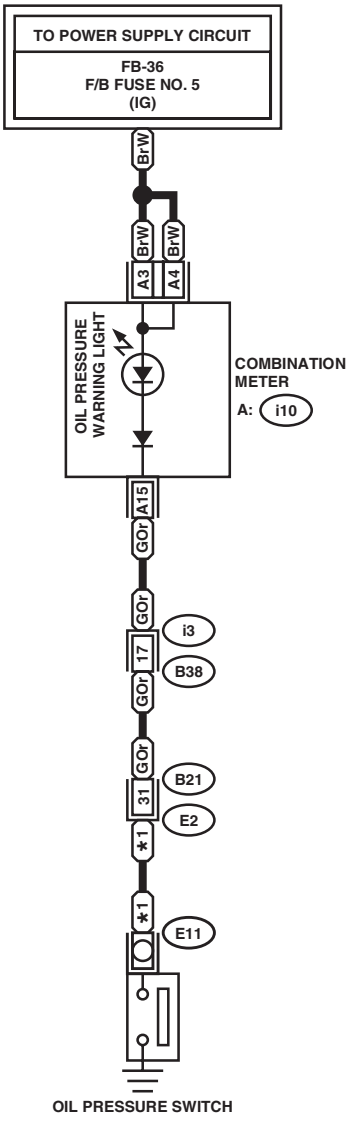
WI-07022

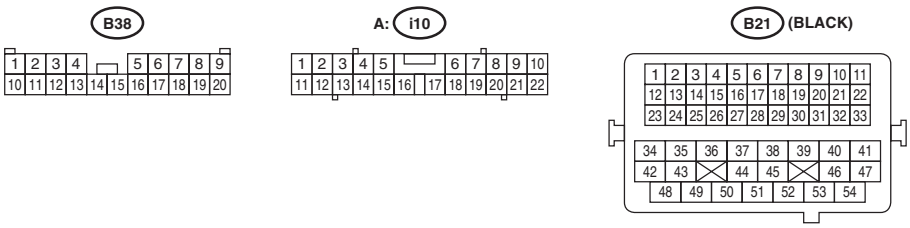
45.Oil Pressure Warning Light System

A: WIRING DIAGRAM

OIL/P-01

OIL/P-01



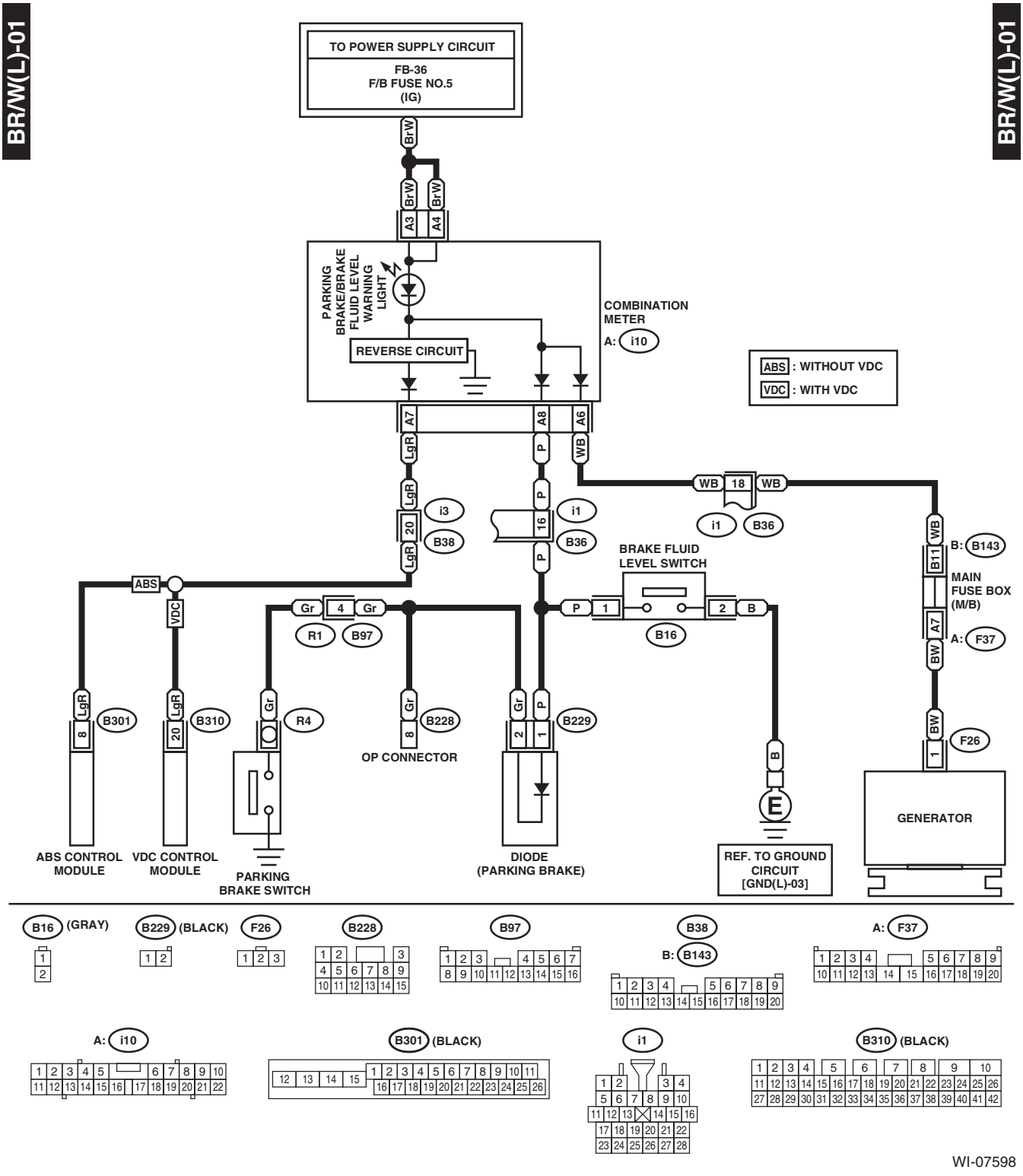


WI-08330

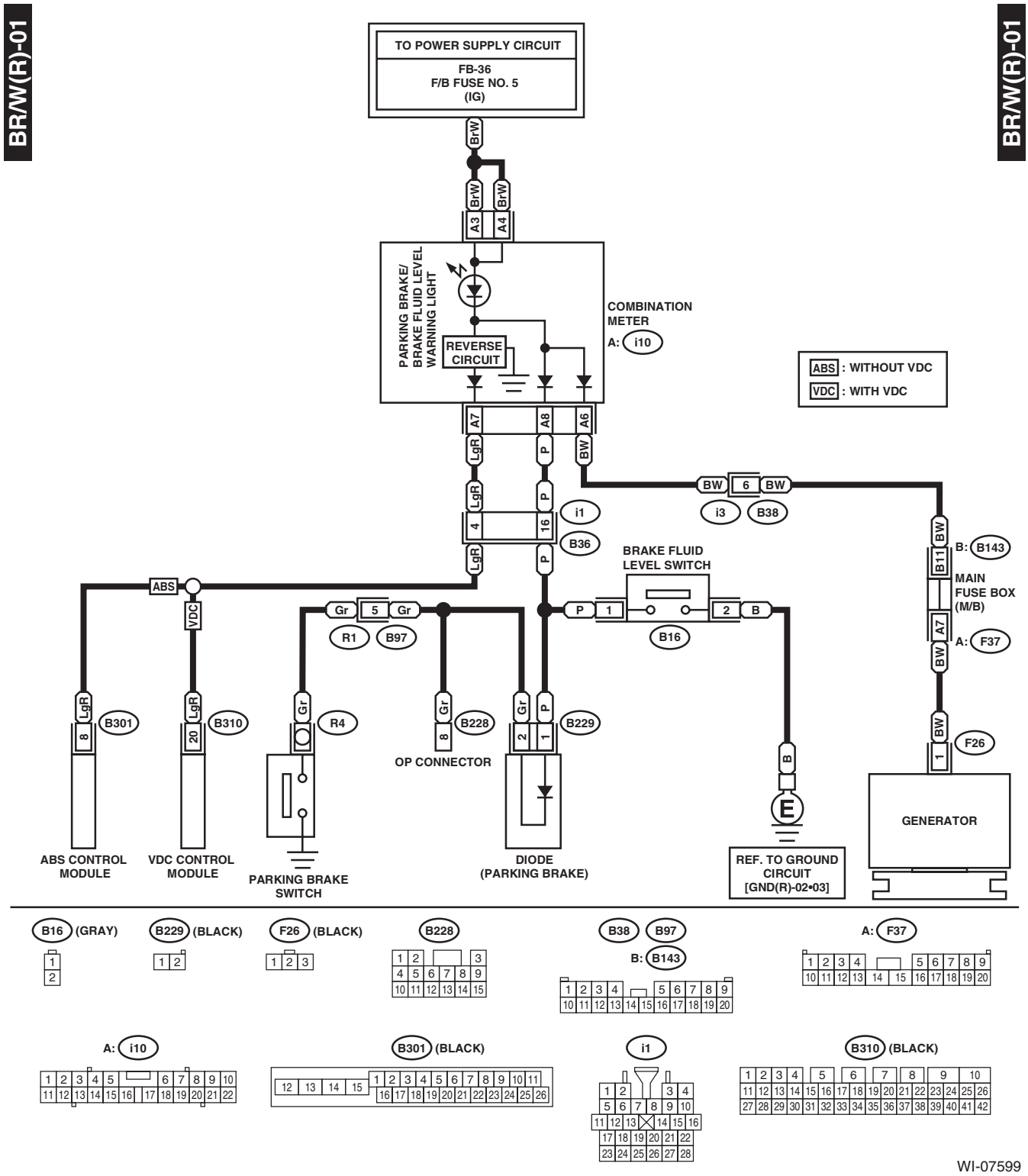
46.Parking Brake / Brake Fluid Level Warning Light System

A: WIRING DIAGRAM

1. LHD MODEL



2. RHD MODEL

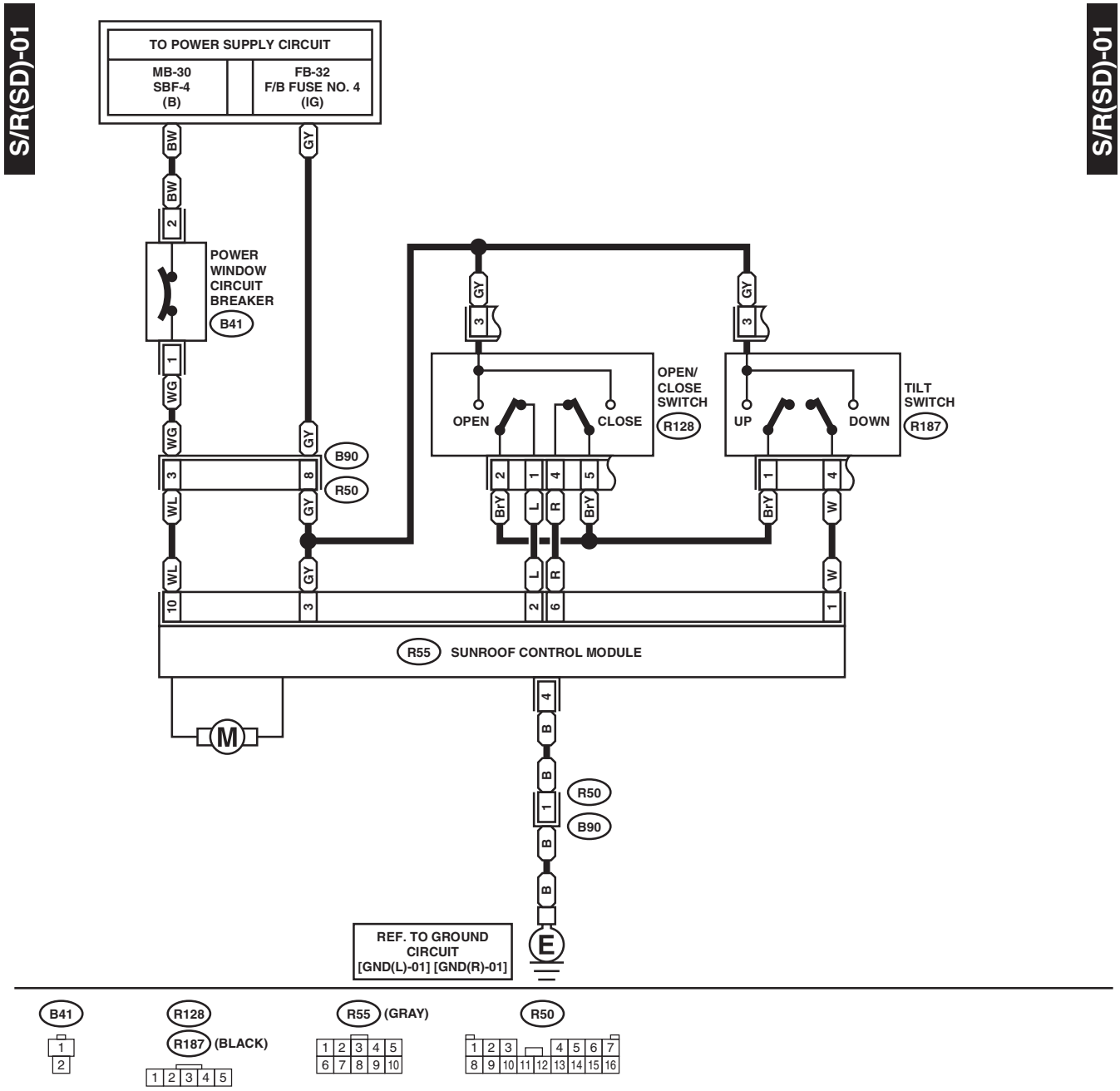


WI-07599

47.Sunroof Control System

A: WIRING DIAGRAM

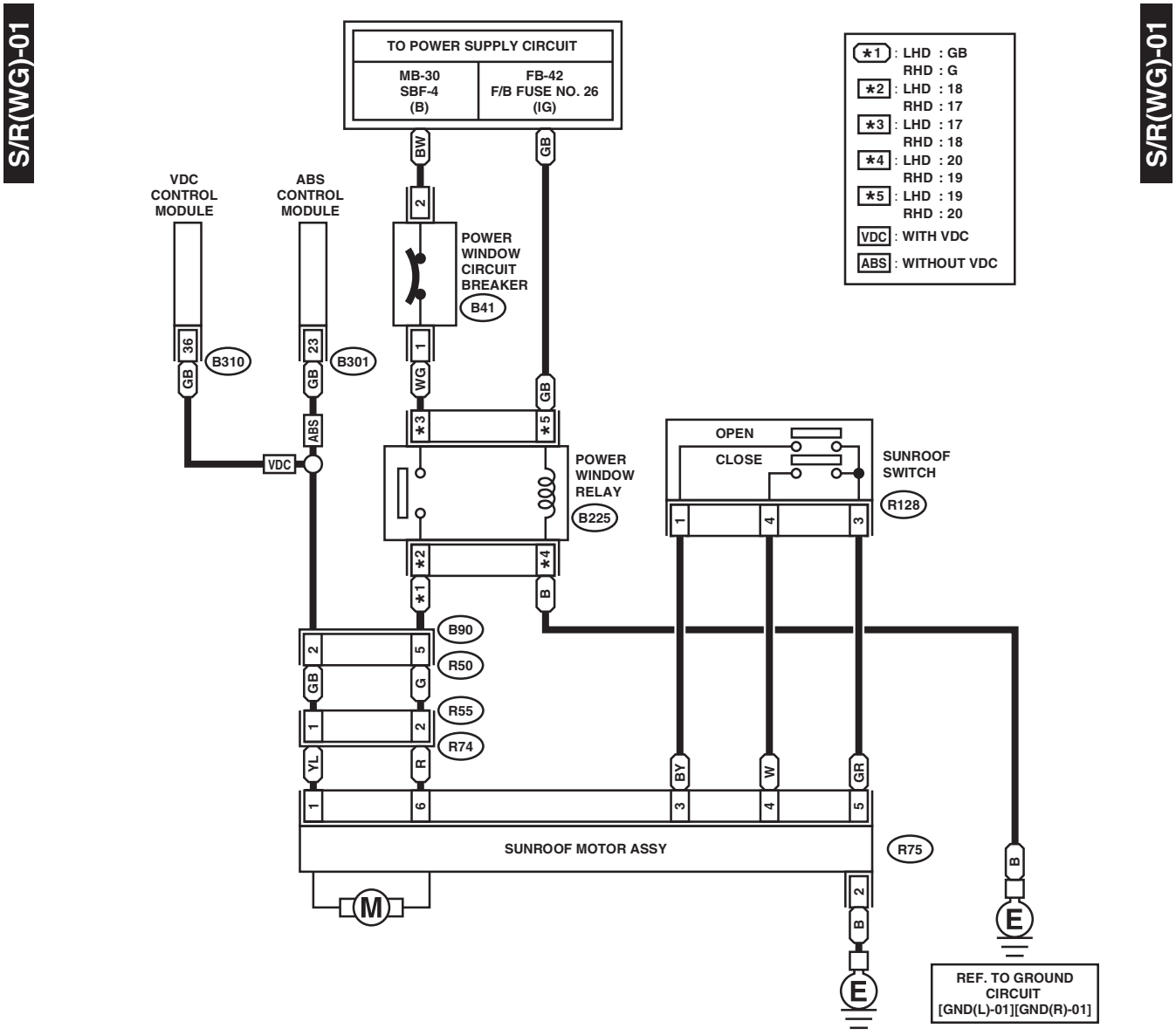
1. SEDAN MODEL

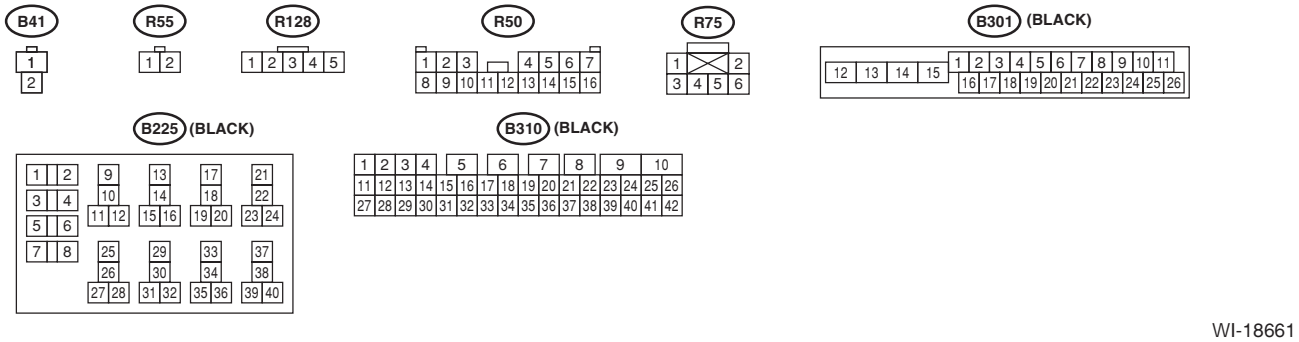


WI-07023

2. WAGON MODEL

S/R(WG)-01



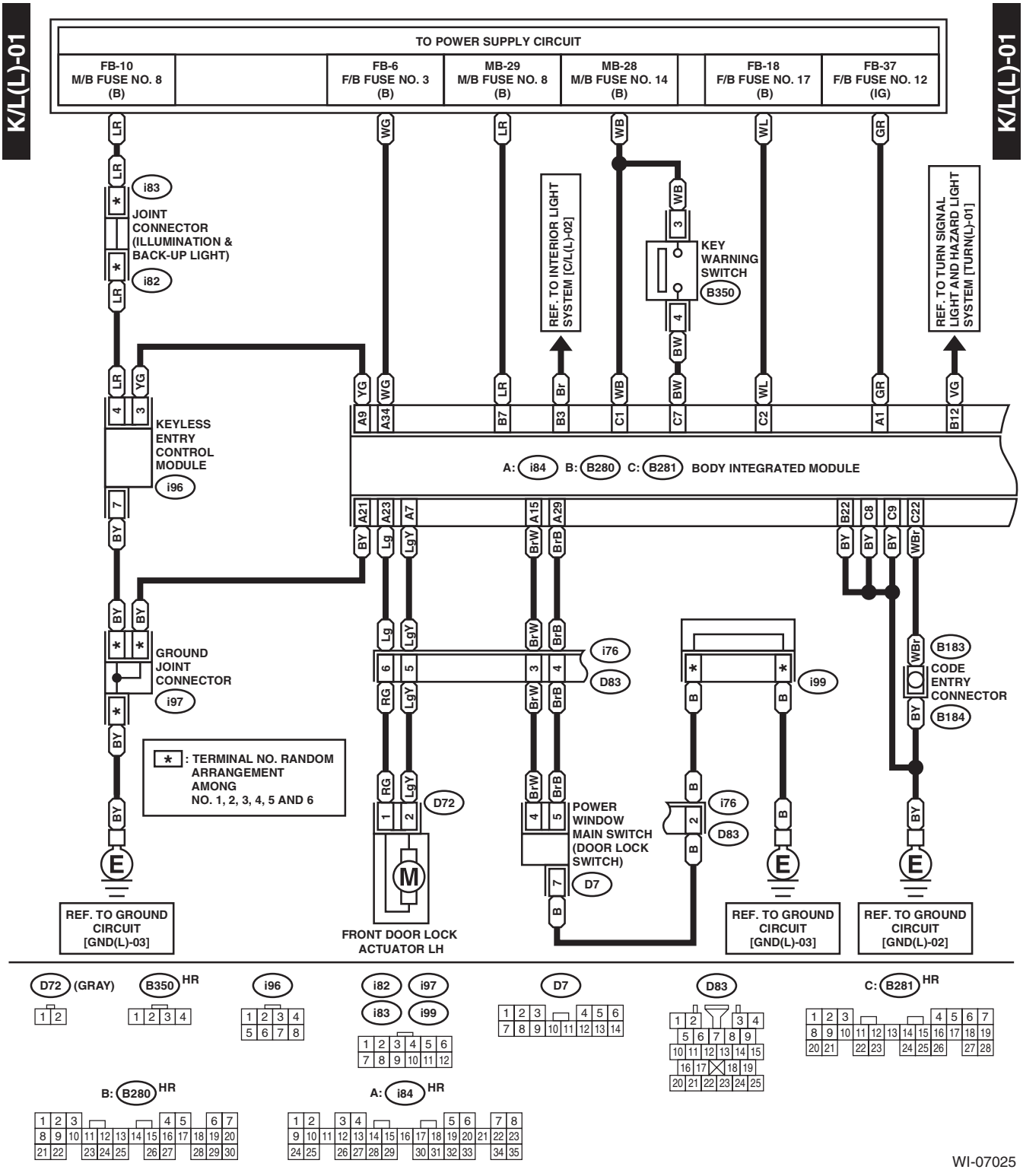


WI-18661

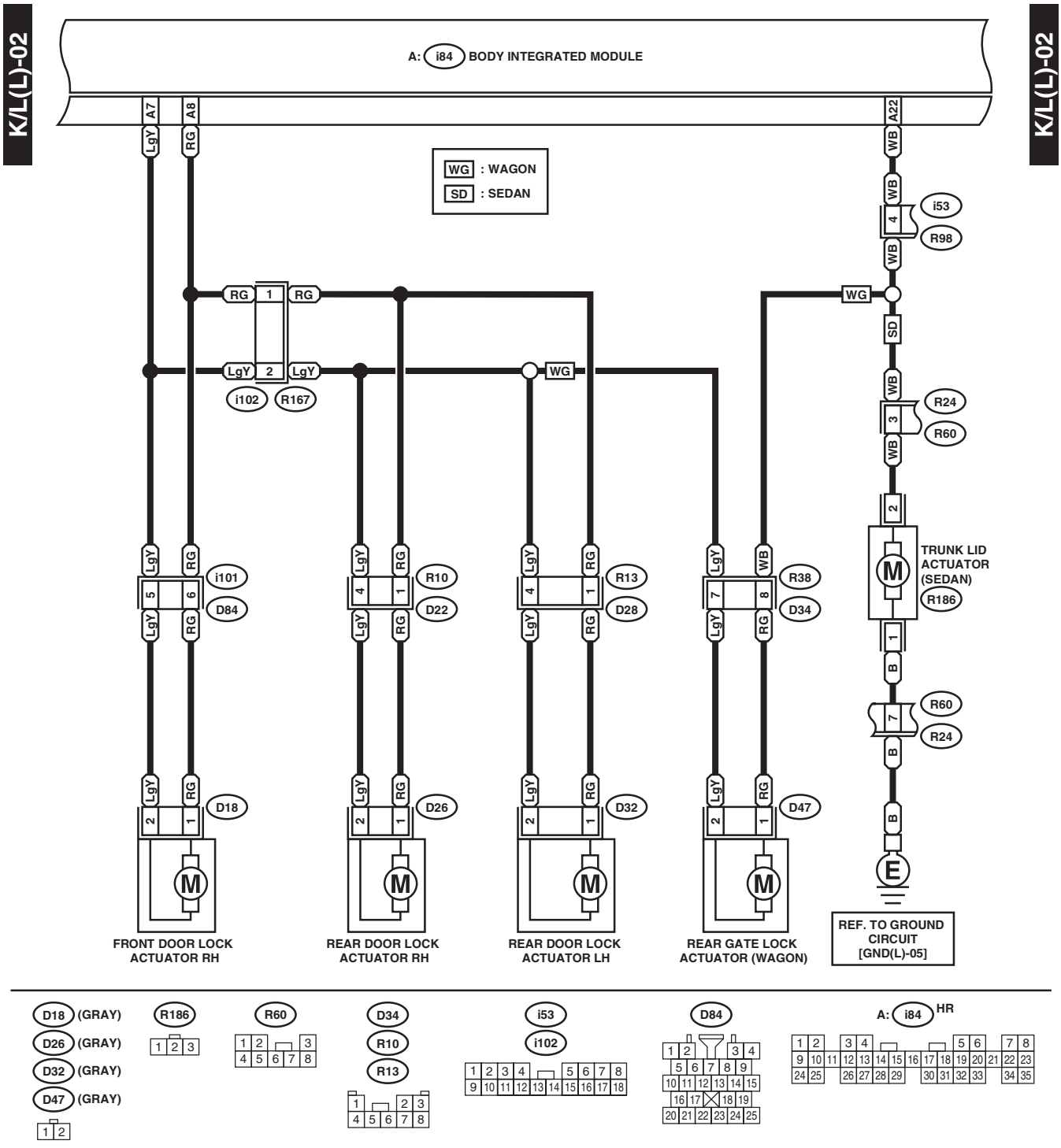
48. Keyless Entry System

A: WIRING DIAGRAM

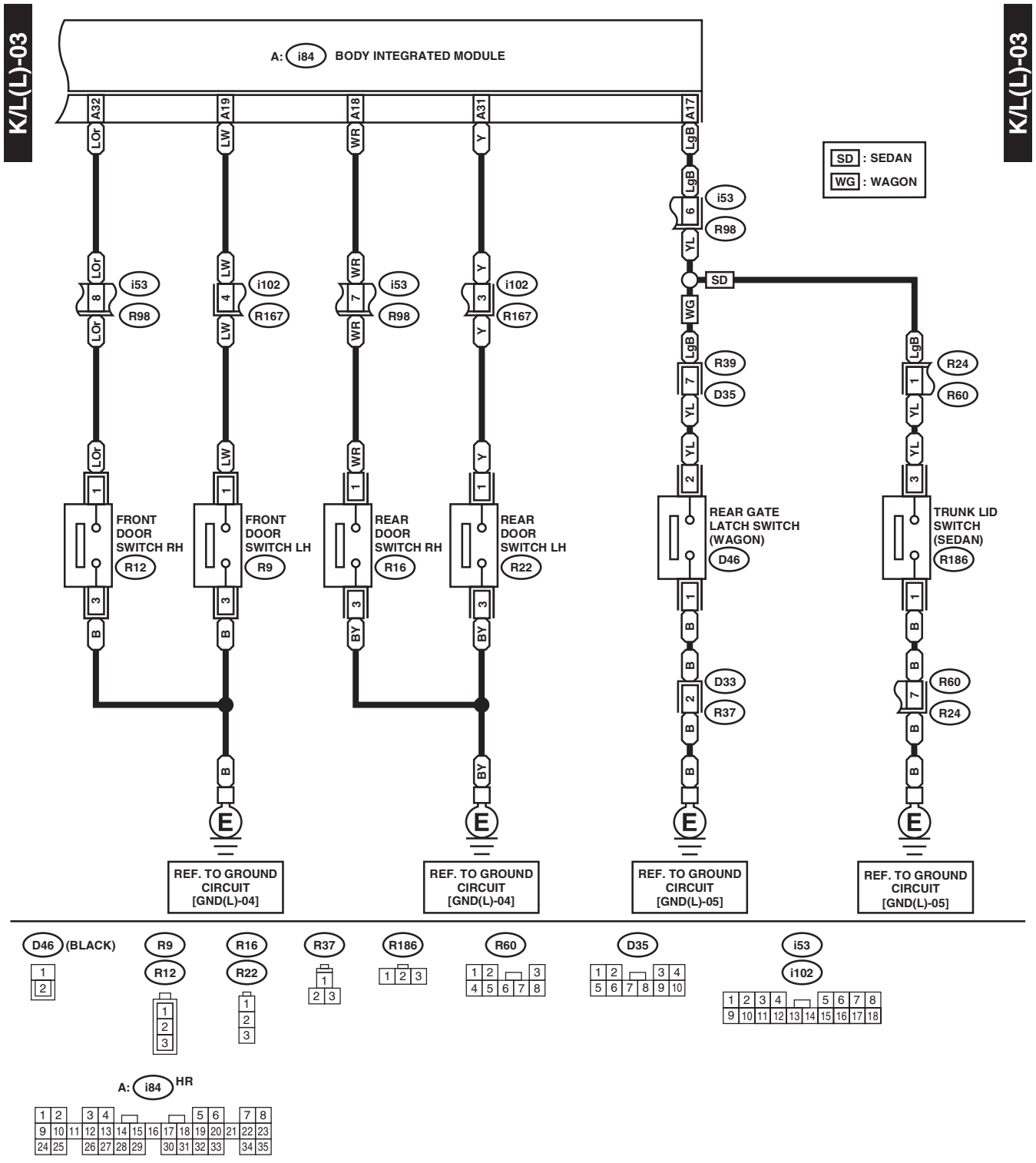
1. LHD MODEL



WI-07025

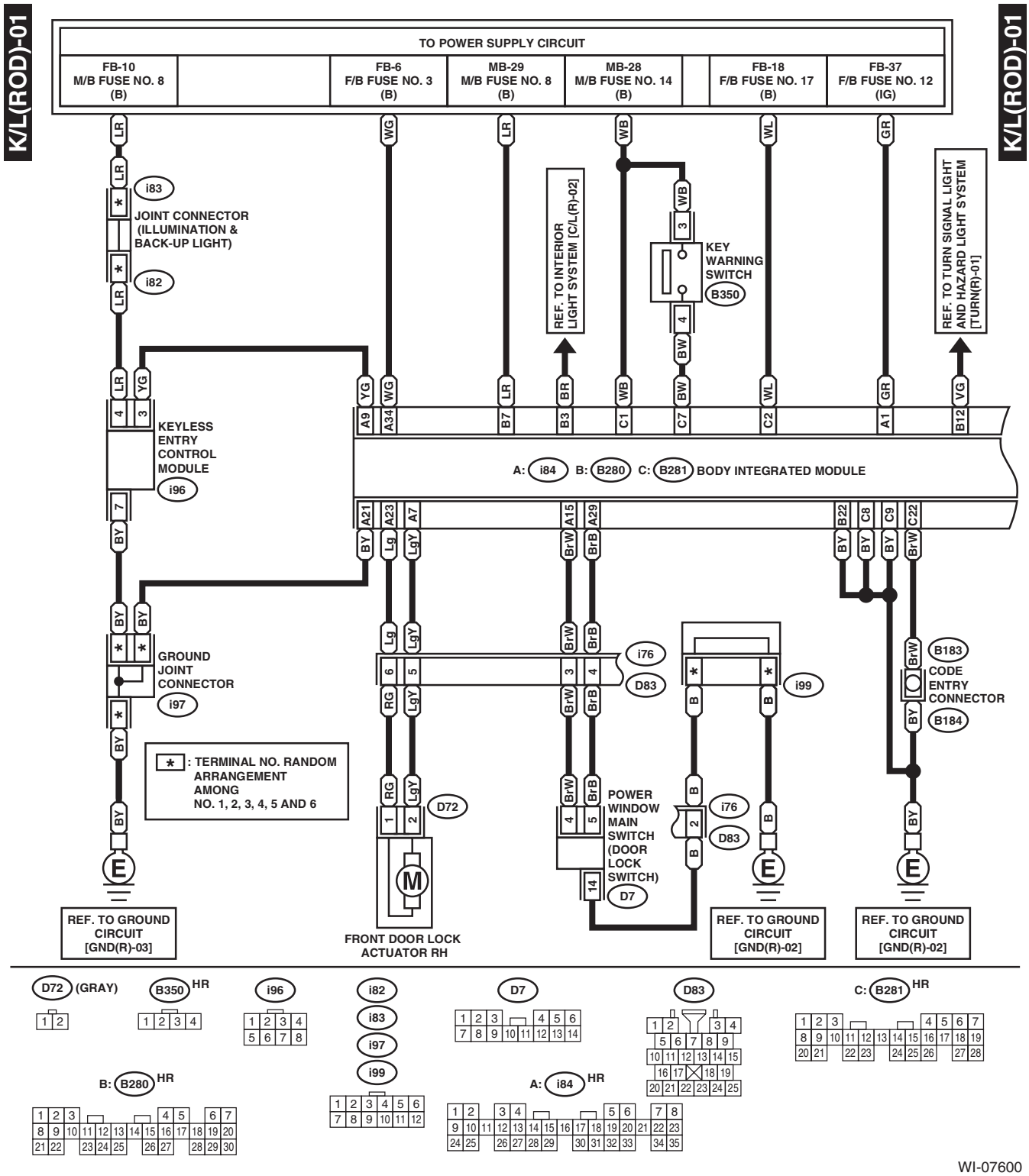

K/L(L)-02
K/L(L)-02
A: i84 BODY INTEGRATED MODULE
WG : WAGON
SD : SEDAN
A7
A8
A22
LgY
RG
WB
WG
SD
i53
R98
R24
R60
i102
R167
i101
D84
R10
D22
R13
D28
R38
D34
D18
D26
D32
D47
TRUNK LID ACTUATOR (SEDAN)
R186
REF. TO GROUND CIRCUIT [GND(L)-05]
FRONT DOOR LOCK ACTUATOR RH
REAR DOOR LOCK ACTUATOR RH
REAR DOOR LOCK ACTUATOR LH
REAR GATE LOCK ACTUATOR (WAGON)
D18 (GRAY)
D26 (GRAY)
D32 (GRAY)
D47 (GRAY)
R186
R60
D34
R10
R13
i53
i102
D84
A: i84 HR

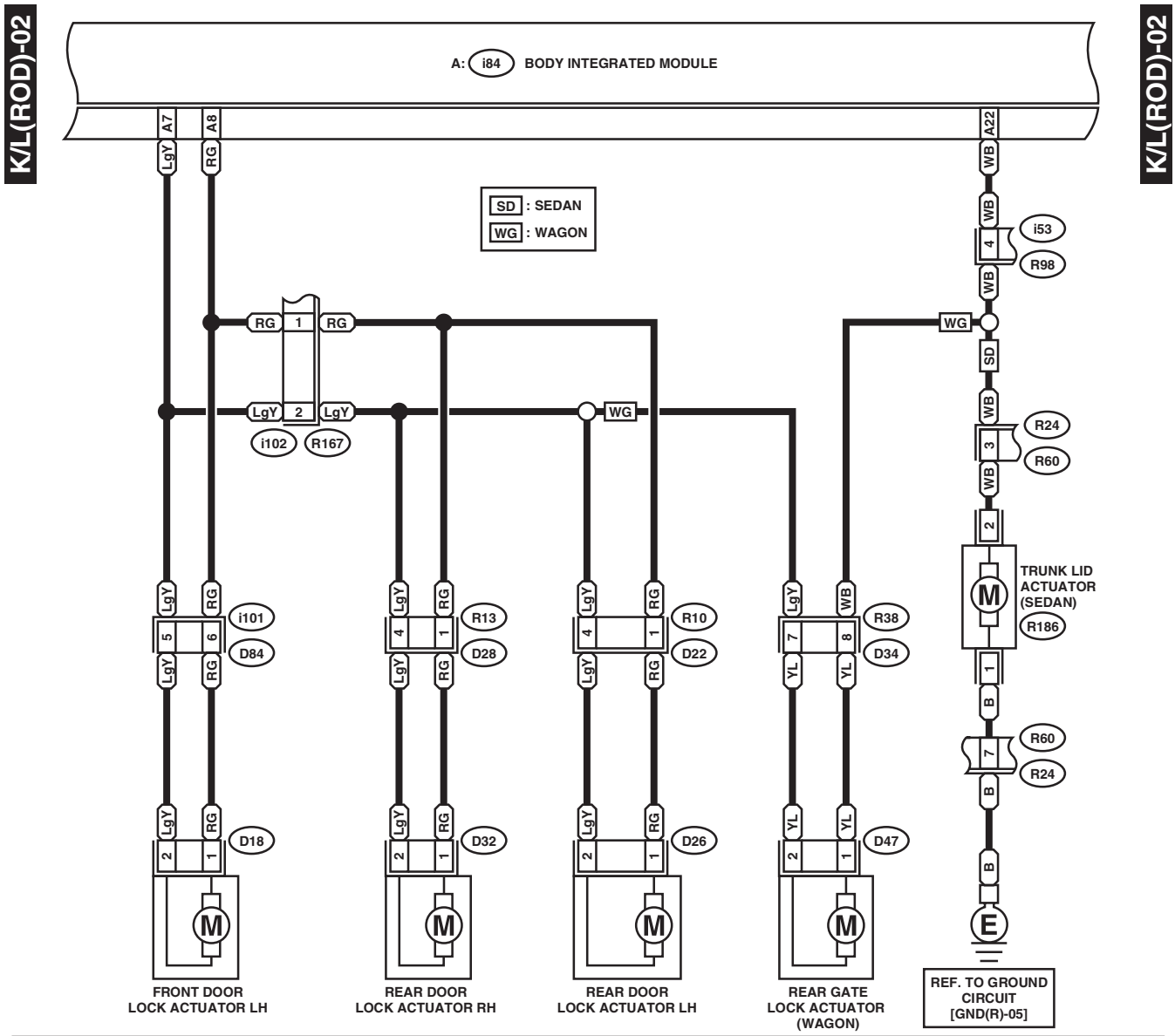
WI-08326


K/L(L)-03
K/L(L)-03
A: i84 BODY INTEGRATED MODULE
A32
A19
A18
A31
A17
LOr
LW
WR
Y
LgB
SD : SEDAN
WG : WAGON
i53
R98
i102
R167
SD
WG
R39
D35
R24
R60
YL
FRONT DOOR SWITCH RH
R12
FRONT DOOR SWITCH LH
R9
REAR DOOR SWITCH RH
R16
REAR DOOR SWITCH LH
R22
REAR GATE LATCH SWITCH (WAGON)
D46
TRUNK LID SWITCH (SEDAN)
R186
D33
R37
B
BY
E
REF. TO GROUND CIRCUIT [GND(L)-04]
REF. TO GROUND CIRCUIT [GND(L)-04]
REF. TO GROUND CIRCUIT [GND(L)-05]
REF. TO GROUND CIRCUIT [GND(L)-05]
D46 (BLACK)
R9
R12
R16
R22
R37
R186
R60
D35
i53
i102
A: i84 HR

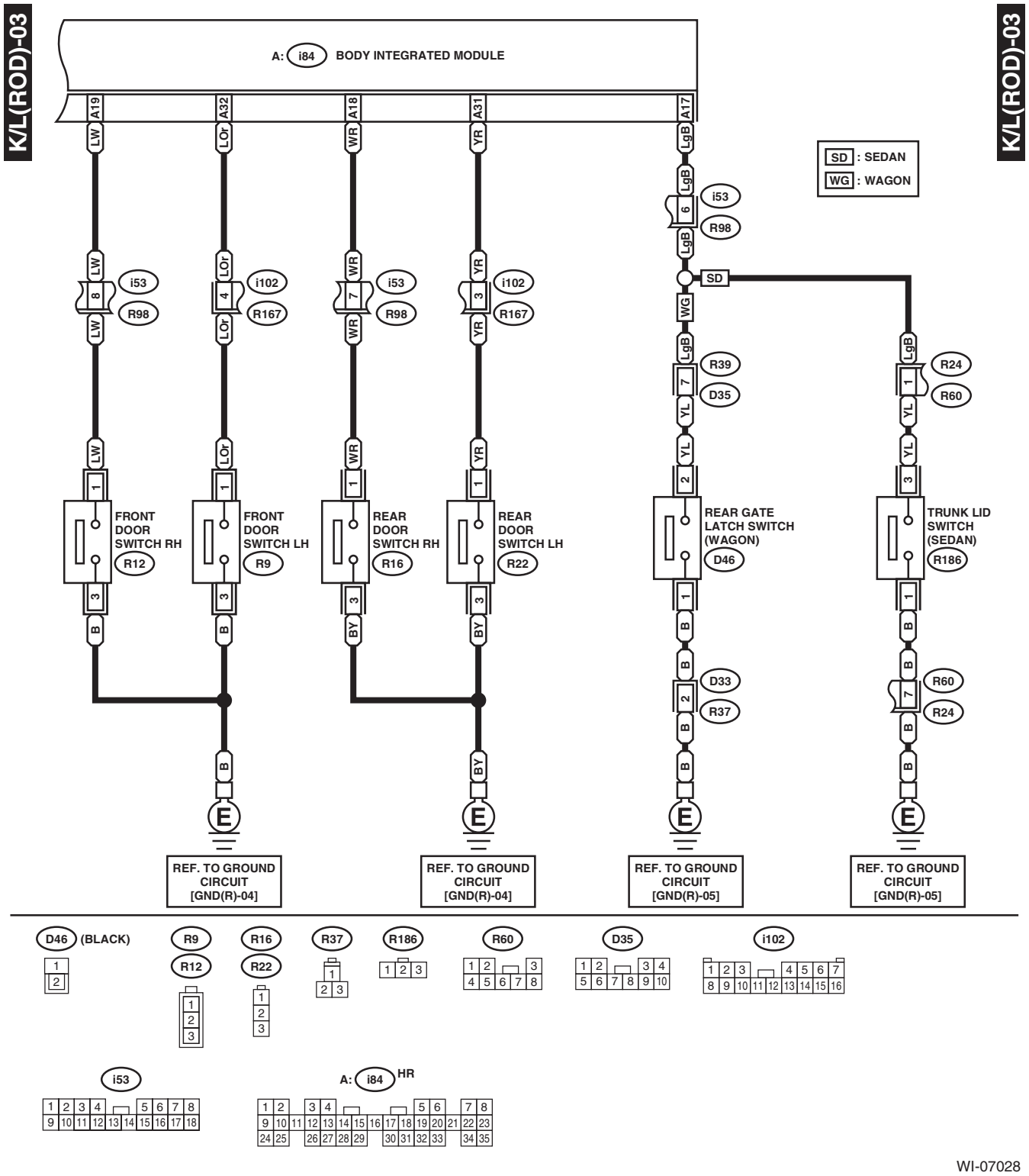
WI-07026

2. RHD MODEL WITHOUT DOUBLE LOCK



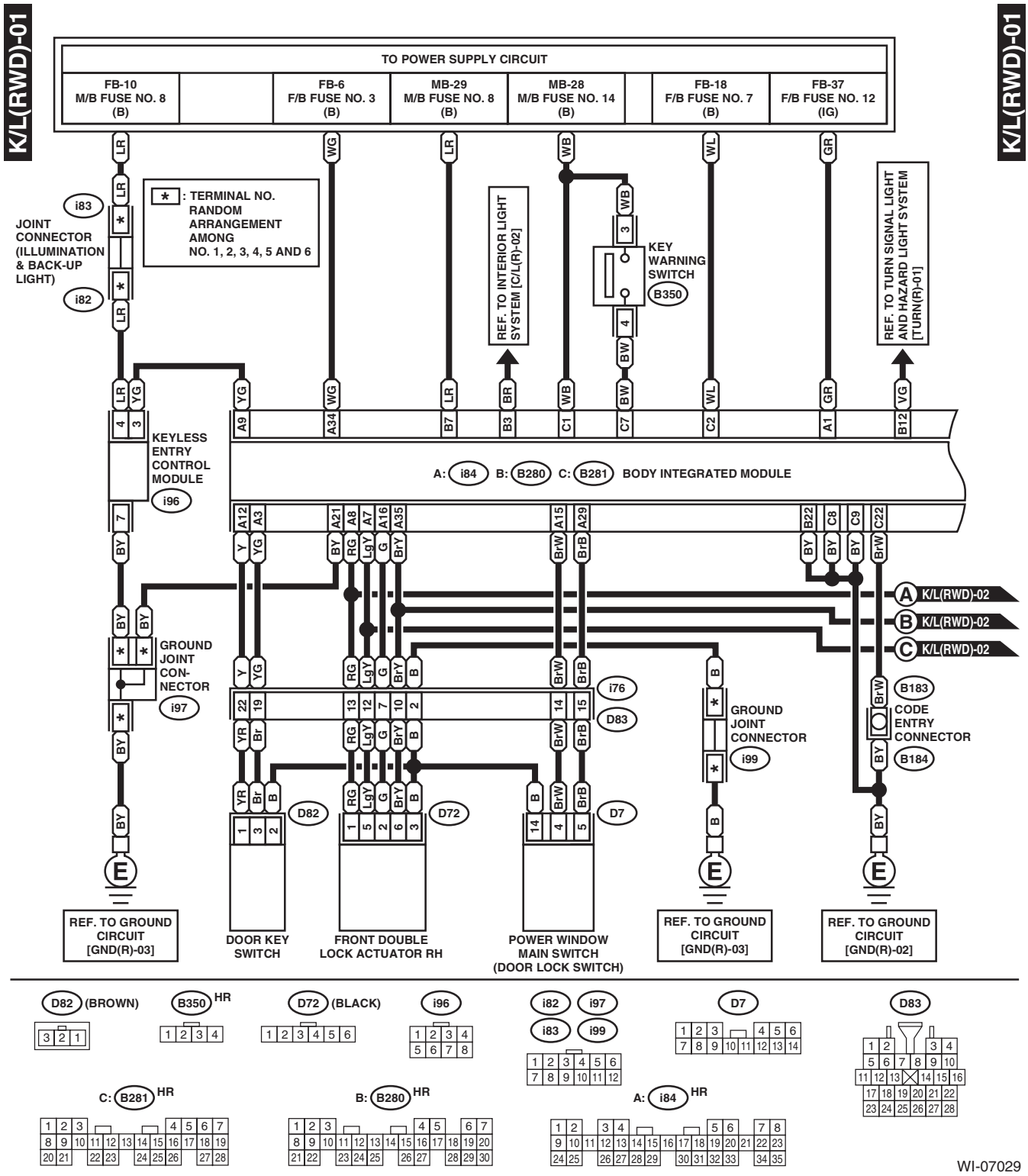

K/L(ROD)-02
K/L(ROD)-02
A: i84 BODY INTEGRATED MODULE
A7
A8
A22
LgY
RG
WB
SD : SEDAN
WG : WAGON
i53
R98
R24
R60
TRUNK LID ACTUATOR (SEDAN)
R186
i102
R167
i101
D84
R13
D28
R10
D22
R38
D34
D18
D32
D26
D47
FRONT DOOR LOCK ACTUATOR LH
REAR DOOR LOCK ACTUATOR RH
REAR DOOR LOCK ACTUATOR LH
REAR GATE LOCK ACTUATOR (WAGON)
REF. TO GROUND CIRCUIT [GND(R)-05]
D18 (GRAY)
D26 (GRAY)
D32 (GRAY)
D47 (GRAY)
R186
R60
D34
R10
R13
i102
i53
D84
A: i84 HR

WI-07027

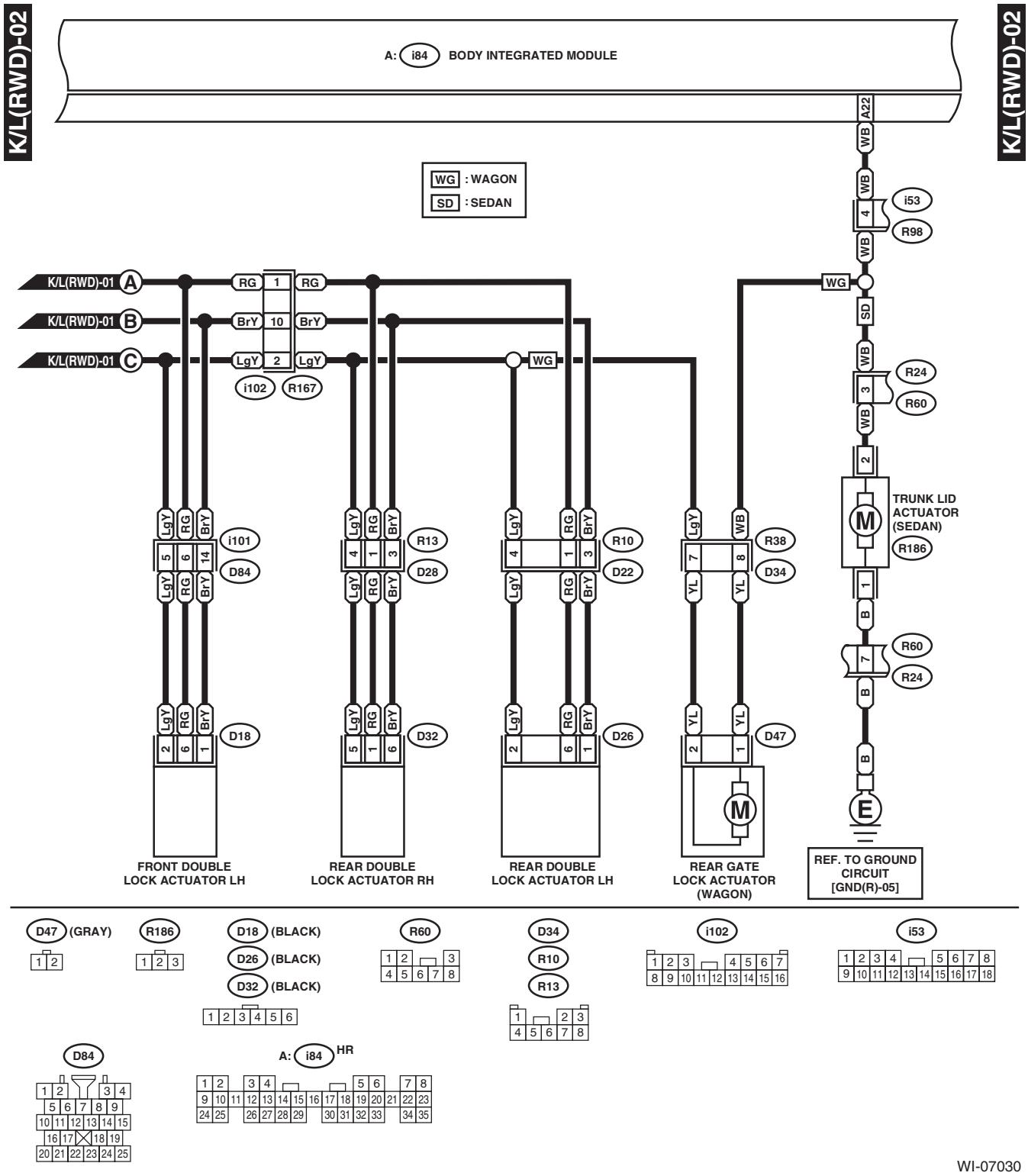

K/L(ROD)-03
K/L(ROD)-03
A: i84 BODY INTEGRATED MODULE
A19
A32
A18
A31
A17
LW
LOr
WR
YR
LgB
SD : SEDAN
WG : WAGON
i53
R98
i102
R167
R39
D35
R24
R60
FRONT DOOR SWITCH RH
R12
FRONT DOOR SWITCH LH
R9
REAR DOOR SWITCH RH
R16
REAR DOOR SWITCH LH
R22
REAR GATE LATCH SWITCH (WAGON)
D46
TRUNK LID SWITCH (SEDAN)
R186
D33
R37
B
BY
YL
WG
REF. TO GROUND CIRCUIT [GND(R)-04]
REF. TO GROUND CIRCUIT [GND(R)-04]
REF. TO GROUND CIRCUIT [GND(R)-05]
REF. TO GROUND CIRCUIT [GND(R)-05]
D46 (BLACK)
R9
R12
R16
R22
R37
R186
R60
D35
i102
i53
A: i84 HR

WI-07028

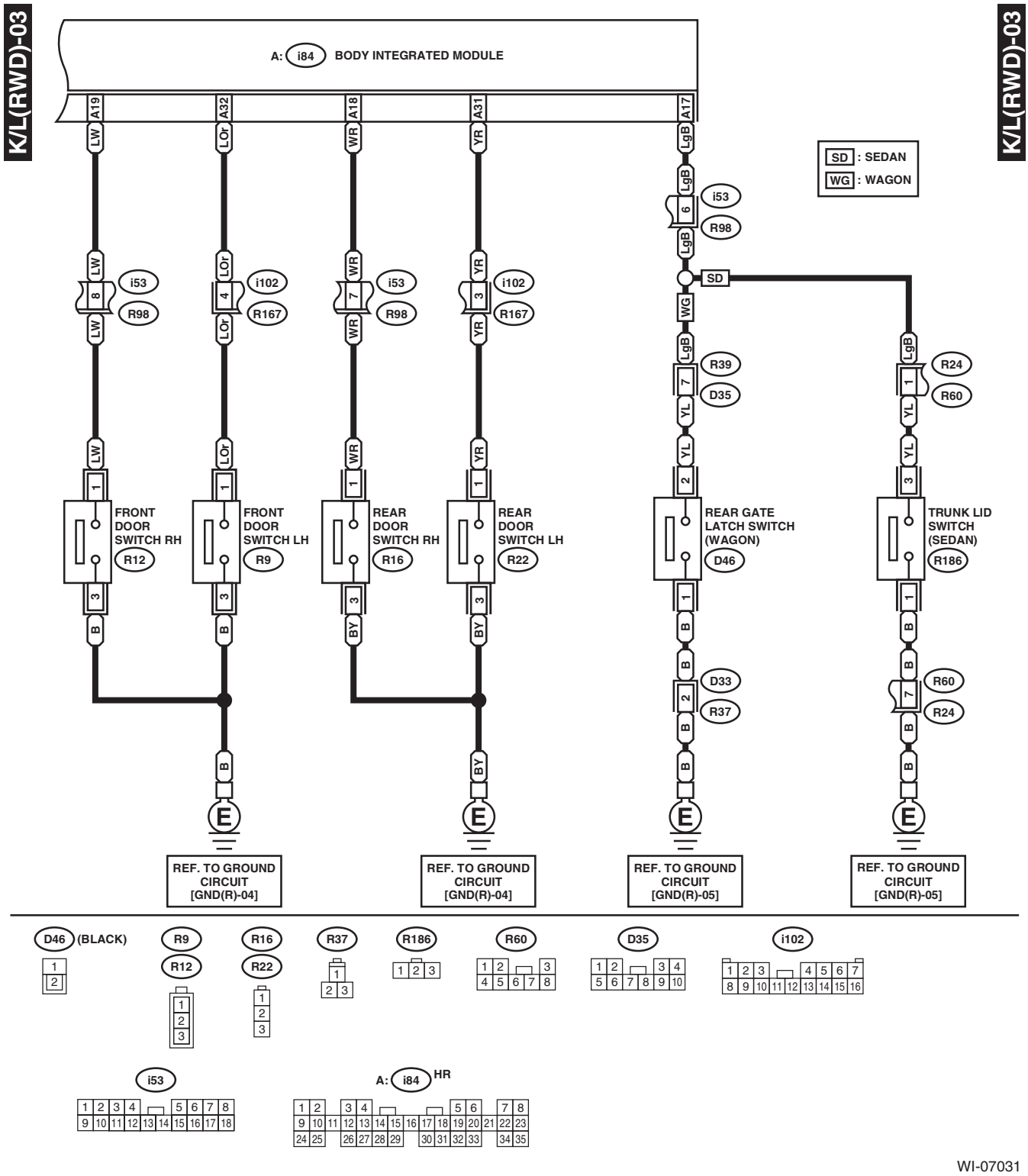
3. RHD MODEL WITH DOUBLE LOCK



WI-07029


K/L(RWD)-02
K/L(RWD)-02
A: i84 BODY INTEGRATED MODULE
WG : WAGON
SD : SEDAN
K/L(RWD)-01 A
K/L(RWD)-01 B
K/L(RWD)-01 C
i102
R167
i53
R98
R24
R60
TRUNK LID ACTUATOR (SEDAN)
R186
i101
D84
R13
D28
R10
D22
R38
D34
D18
D32
D26
D47
FRONT DOUBLE LOCK ACTUATOR LH
REAR DOUBLE LOCK ACTUATOR RH
REAR DOUBLE LOCK ACTUATOR LH
REAR GATE LOCK ACTUATOR (WAGON)
REF. TO GROUND CIRCUIT [GND(R)-05]
D47 (GRAY)
R186
D18 (BLACK)
D26 (BLACK)
D32 (BLACK)
R60
D34
R10
R13
i102
i53
D84
A: i84 HR

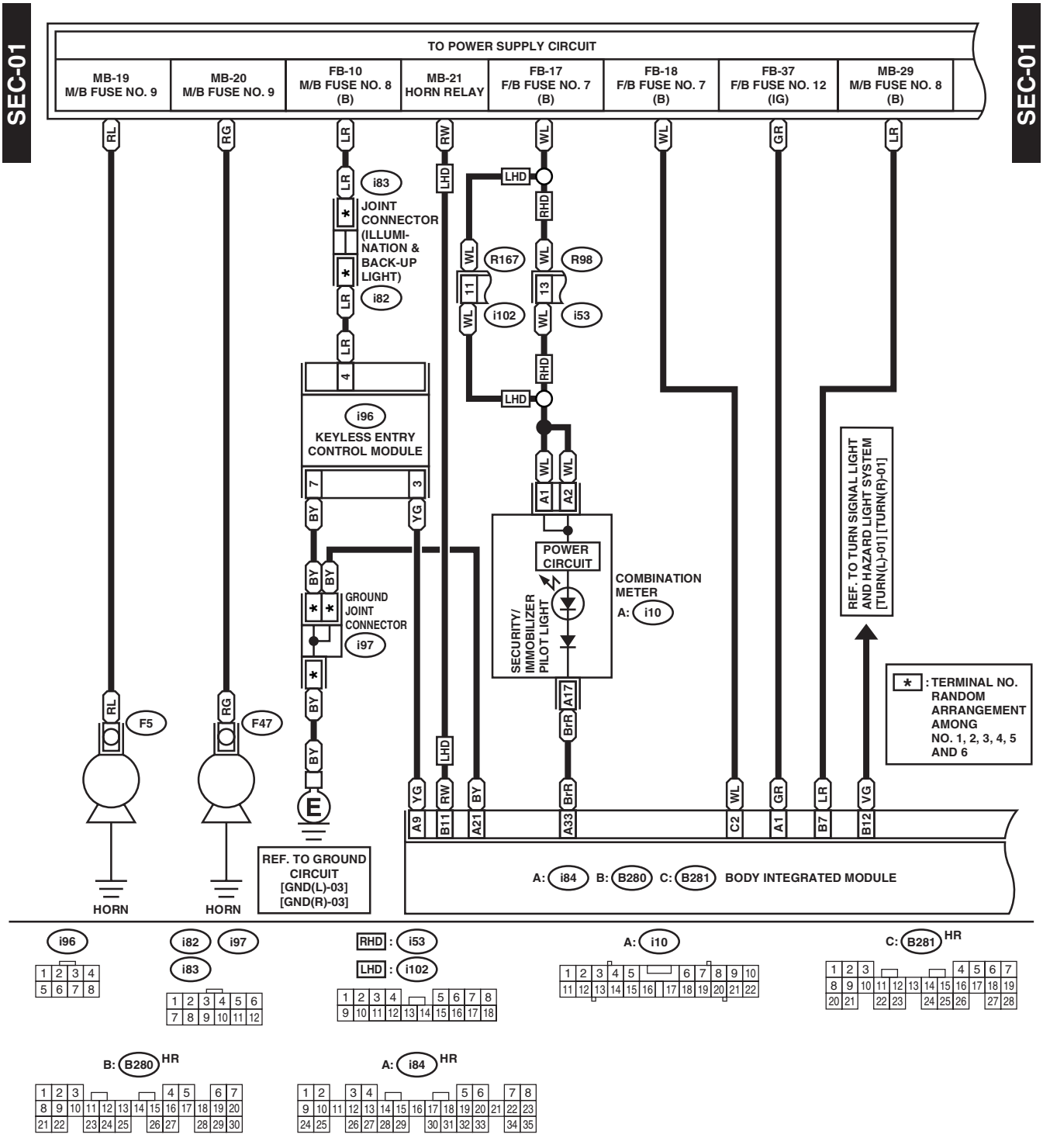
WI-07030


K/L(RWD)-03
K/L(RWD)-03
A: i84 BODY INTEGRATED MODULE
A19
A32
A18
A31
A17
LW
LOr
WR
YR
LgB
SD : SEDAN
WG : WAGON
i53
R98
i102
R167
SD
WG
R39
D35
R24
R60
YL
FRONT DOOR SWITCH RH
R12
FRONT DOOR SWITCH LH
R9
REAR DOOR SWITCH RH
R16
REAR DOOR SWITCH LH
R22
REAR GATE LATCH SWITCH (WAGON)
D46
TRUNK LID SWITCH (SEDAN)
R186
B
BY
D33
R37
E
REF. TO GROUND CIRCUIT [GND(R)-04]
REF. TO GROUND CIRCUIT [GND(R)-04]
REF. TO GROUND CIRCUIT [GND(R)-05]
REF. TO GROUND CIRCUIT [GND(R)-05]
D46 (BLACK)
R9
R12
R16
R22
R37
R186
R60
D35
i102
i53
A: i84 HR

WI-07031

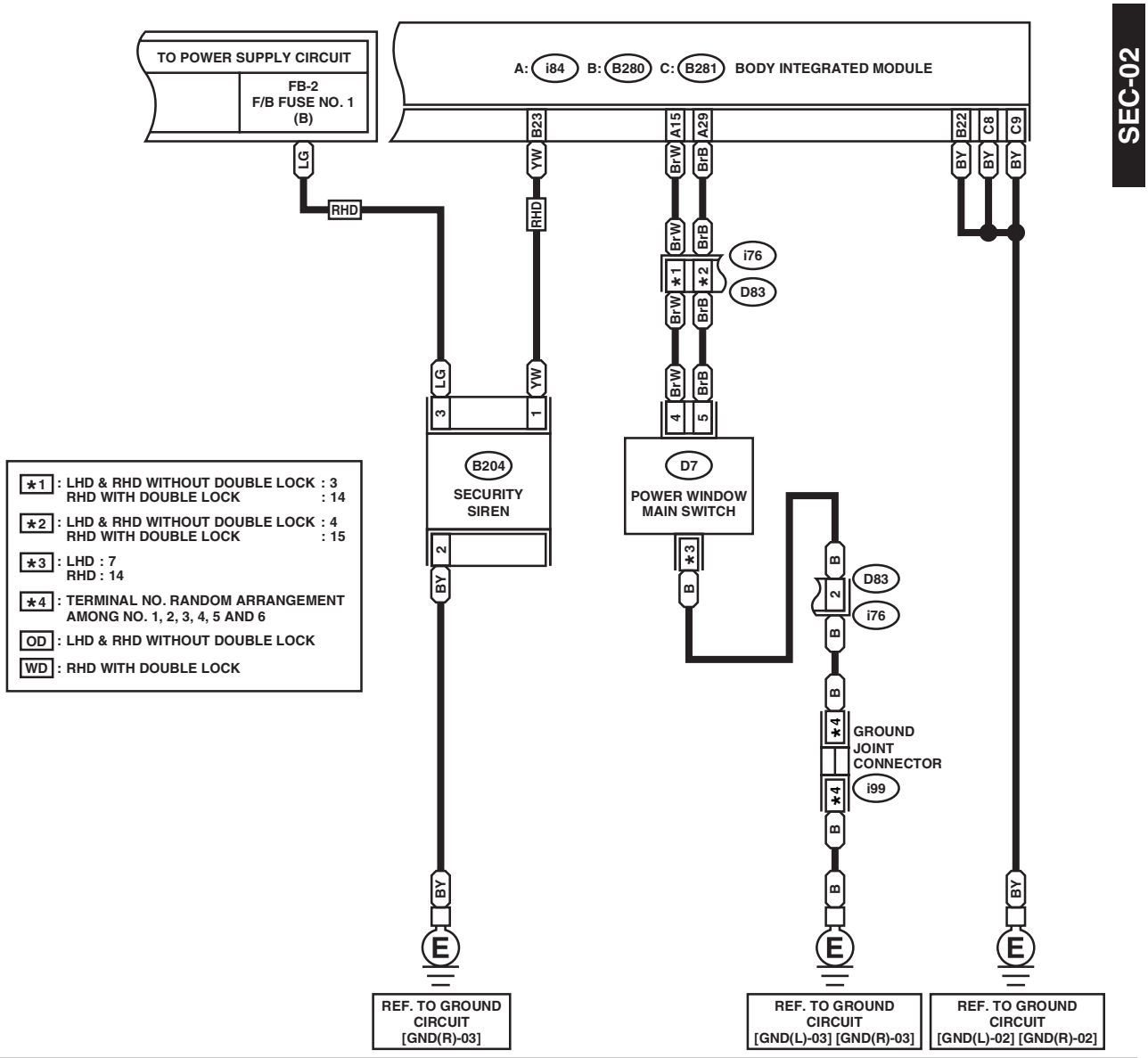
49.Security System

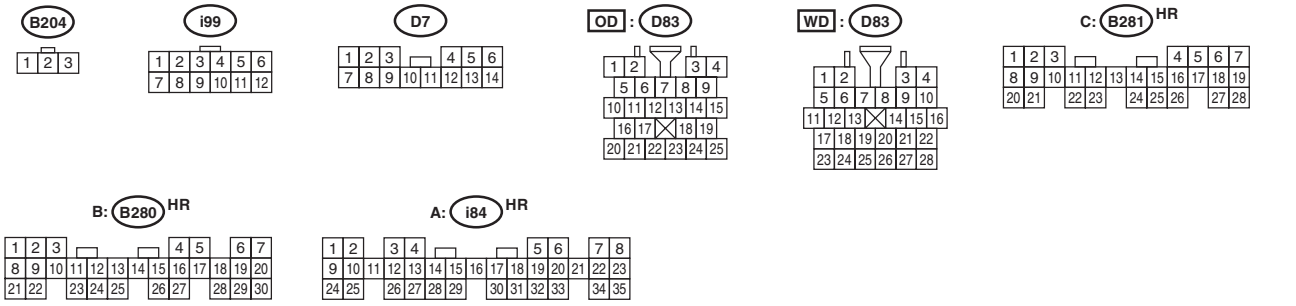
A: WIRING DIAGRAM



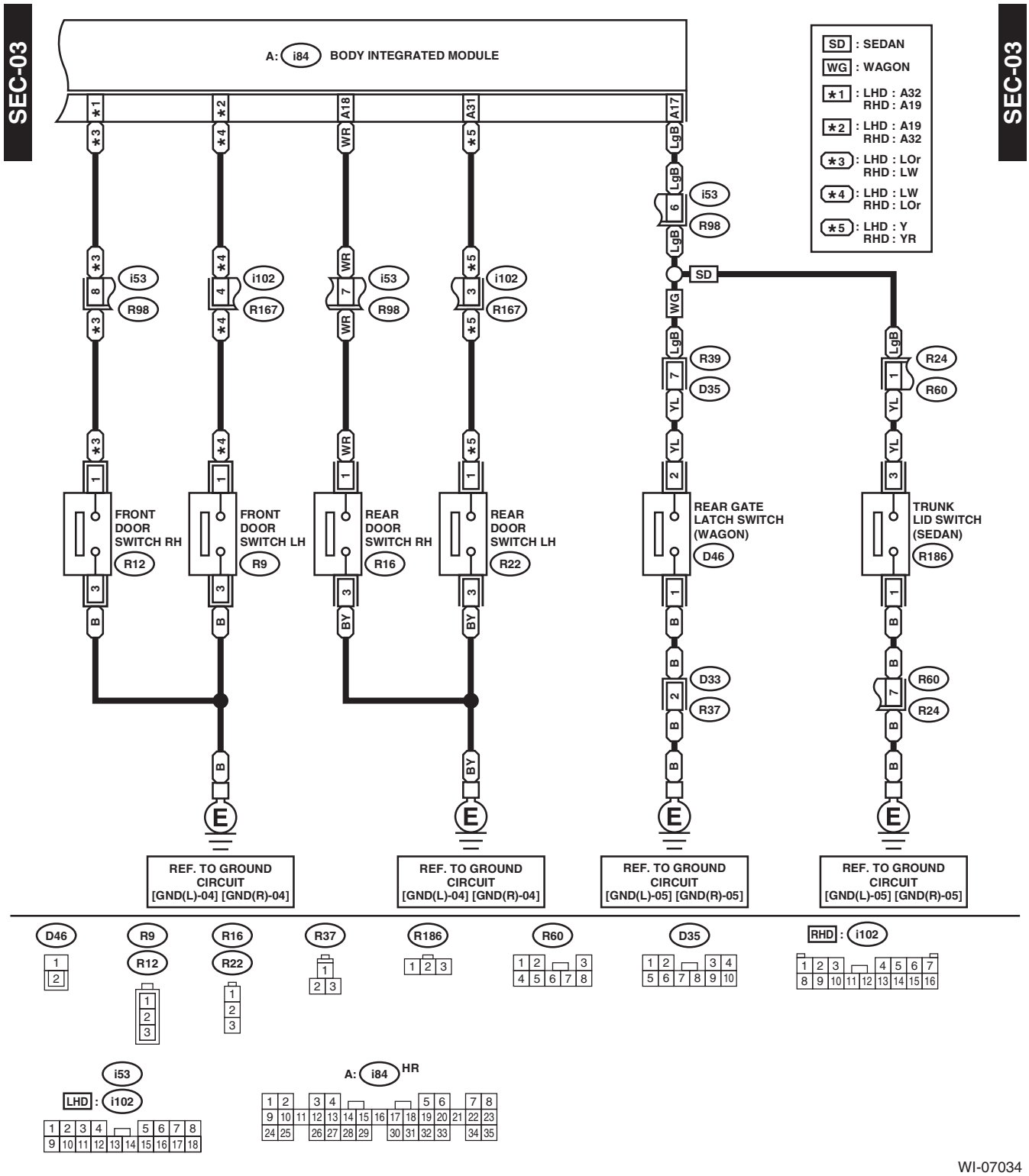
WI-07032

SEC-02





WI-07033


SEC-03
SEC-03
A: i84 BODY INTEGRATED MODULE
SD : SEDAN
WG : WAGON
*1 : LHD : A32 RHD : A19
*2 : LHD : A19 RHD : A32
*3 : LHD : LOr RHD : LW
*4 : LHD : LW RHD : LOr
*5 : LHD : Y RHD : YR
FRONT DOOR SWITCH RH
FRONT DOOR SWITCH LH
REAR DOOR SWITCH RH
REAR DOOR SWITCH LH
REAR GATE LATCH SWITCH (WAGON)
TRUNK LID SWITCH (SEDAN)
REF. TO GROUND CIRCUIT [GND(L)-04] [GND(R)-04]
REF. TO GROUND CIRCUIT [GND(L)-04] [GND(R)-04]
REF. TO GROUND CIRCUIT [GND(L)-05] [GND(R)-05]
REF. TO GROUND CIRCUIT [GND(L)-05] [GND(R)-05]
RHD : i102
LHD : i102
A: i84 HR

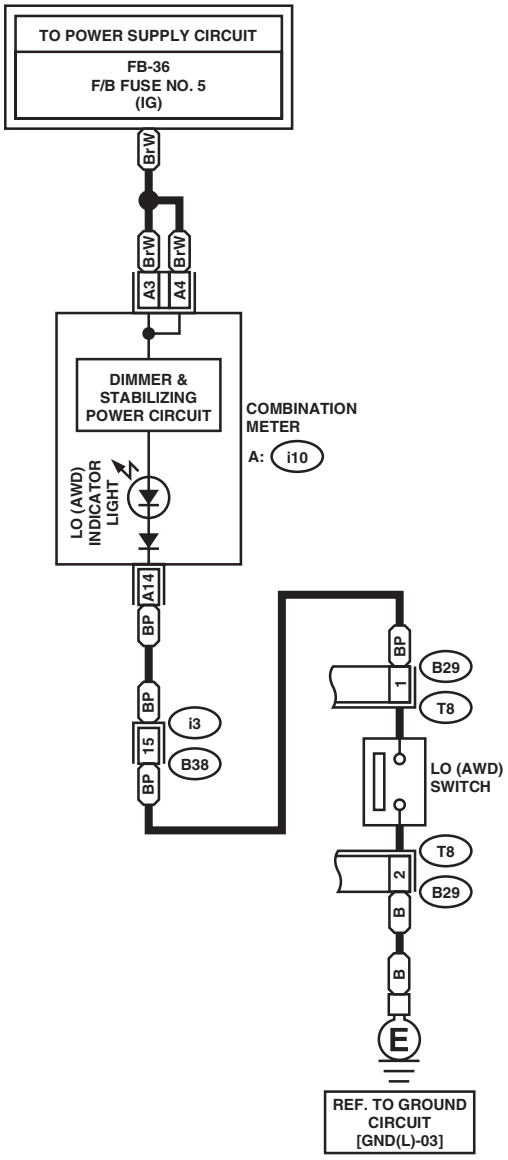
WI-07034

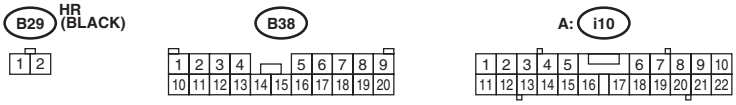
50.Full Time Dual-range System

A: WIRING DIAGRAM

1. LHD MODEL

FTDR(L)-01

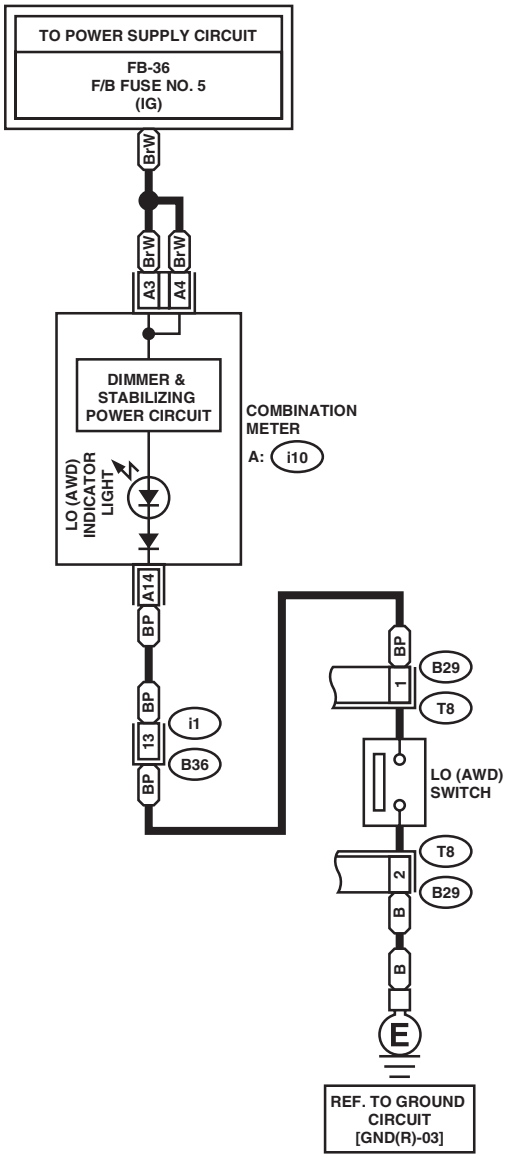


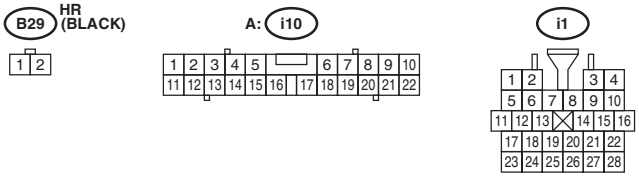


WI-08324

2. RHD MODEL

FTDR(R)-01



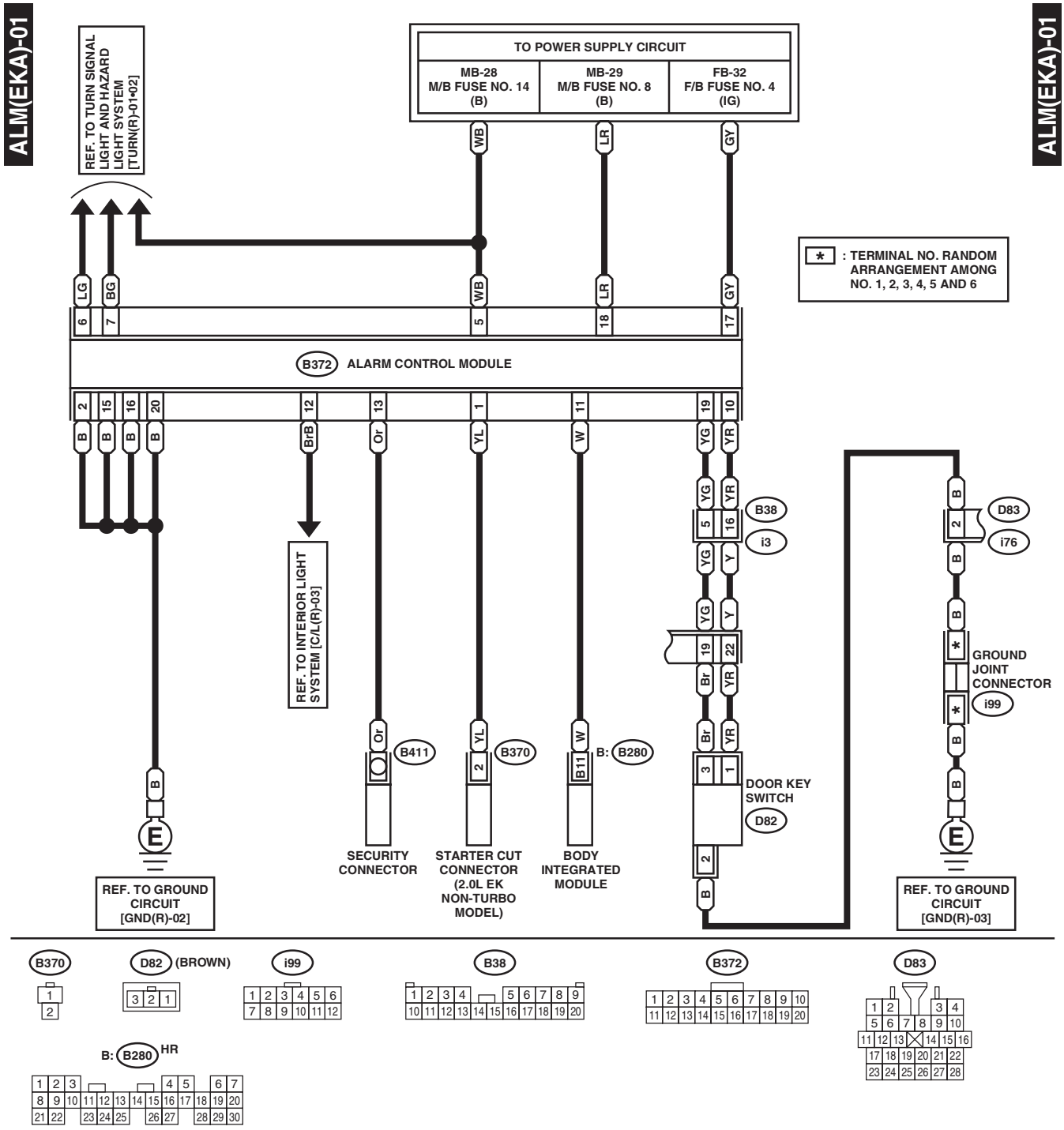


WI-08325

51.Alarm Control System

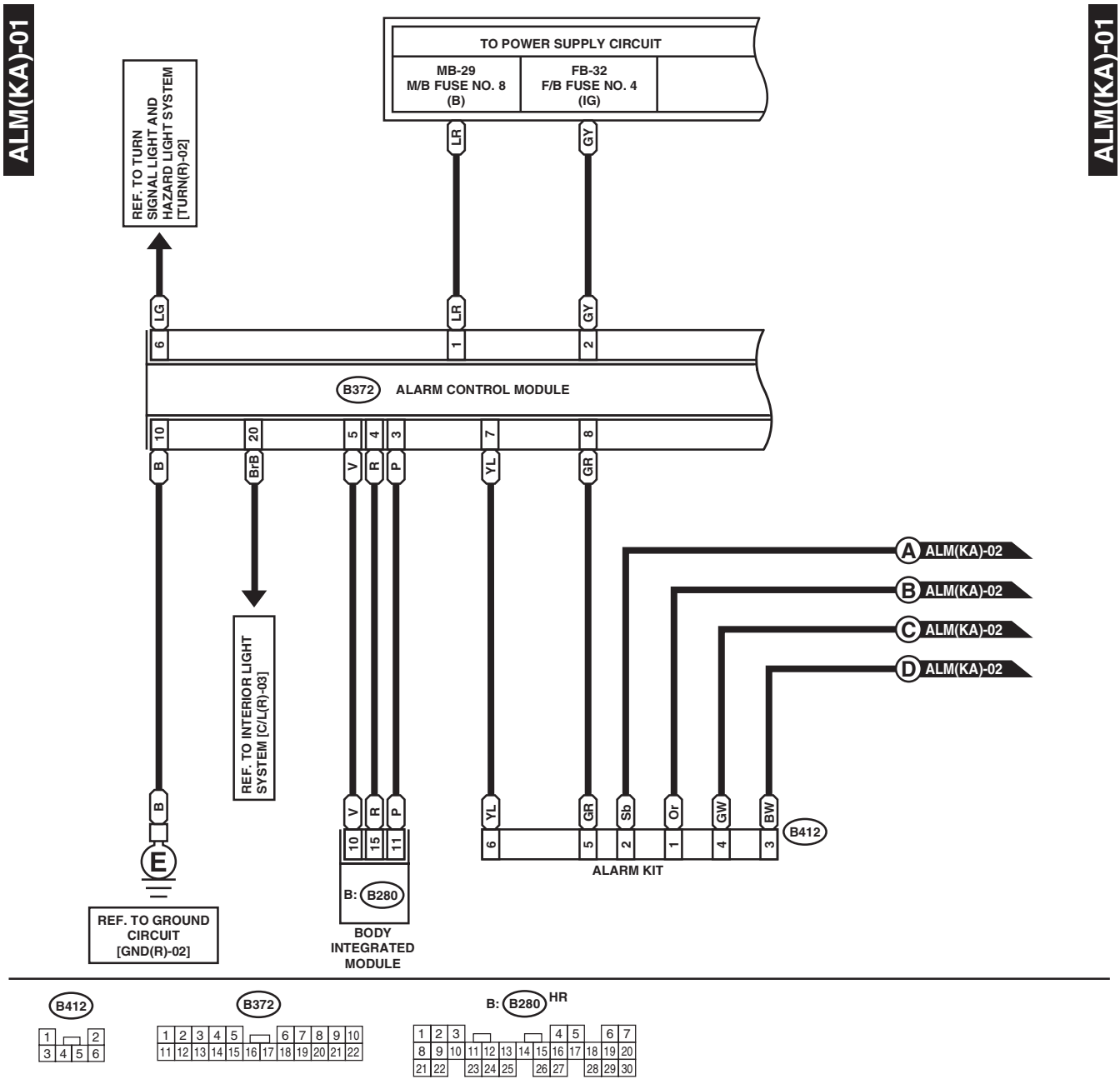
A: WIRING DIAGRAM

1. RHD EXCEPT KA MODEL



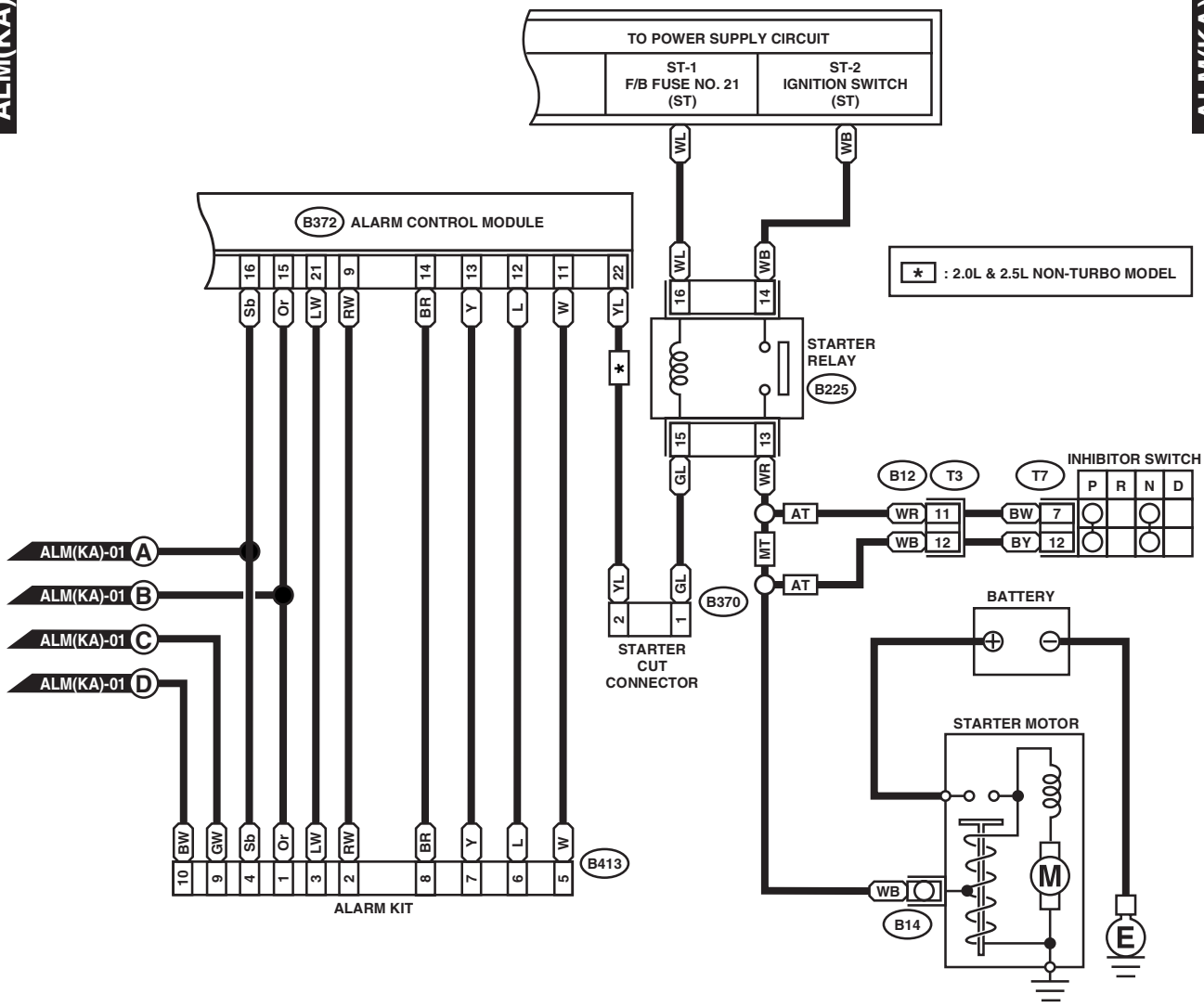
WI-07035

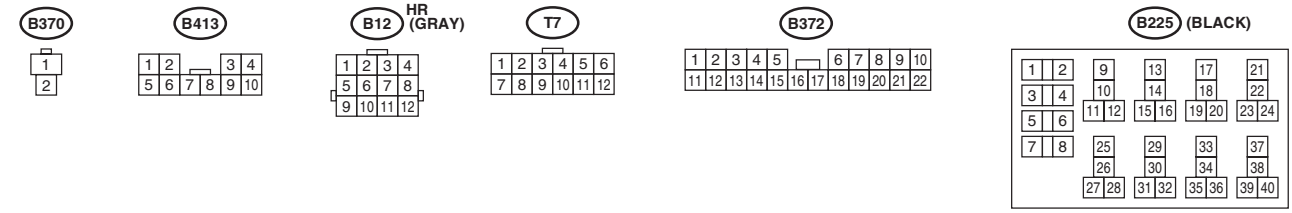
2. RHD KA MODEL



WI-07603

ALM(KA)-02



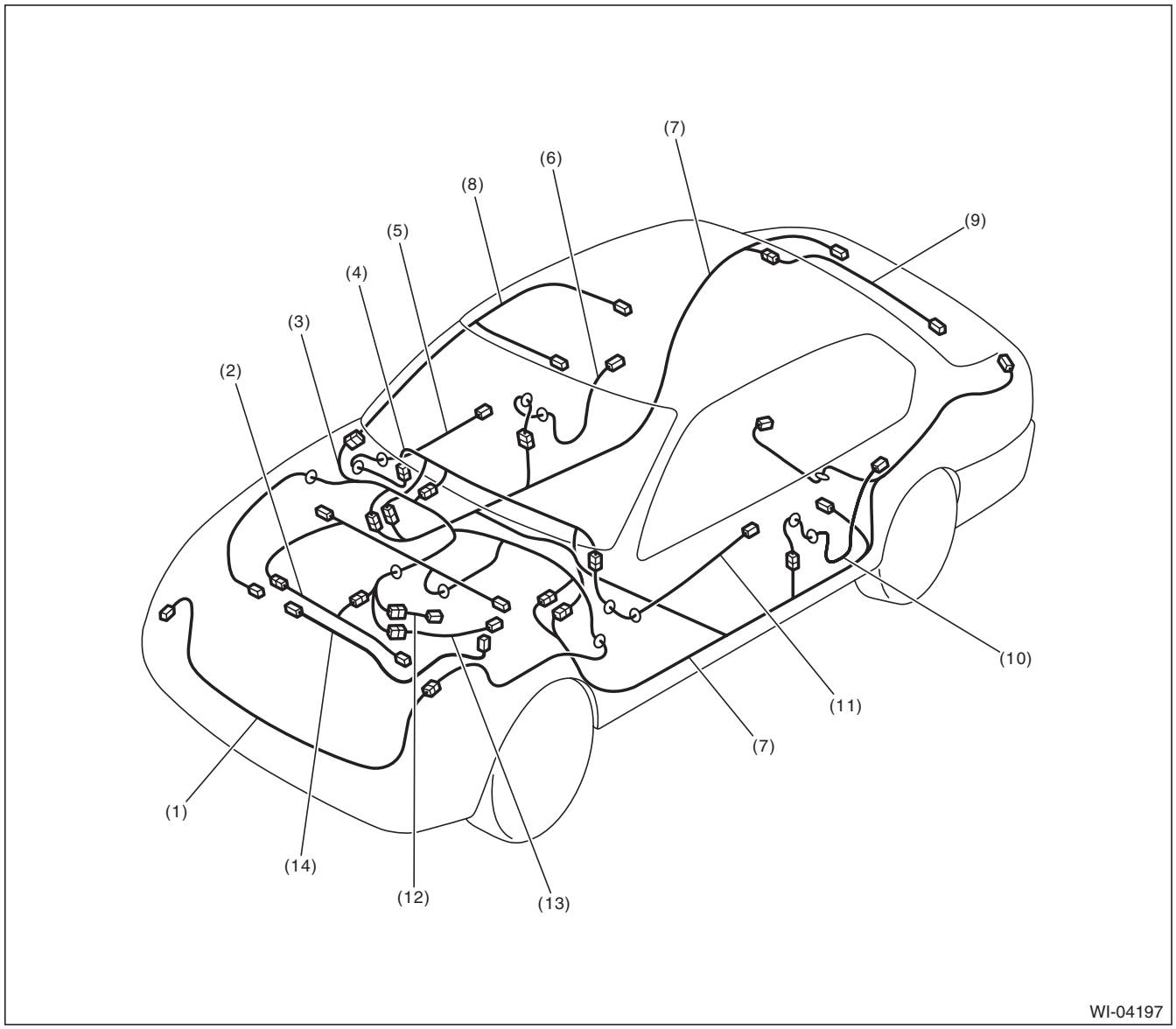


WI-07604

52.Harness Components Location

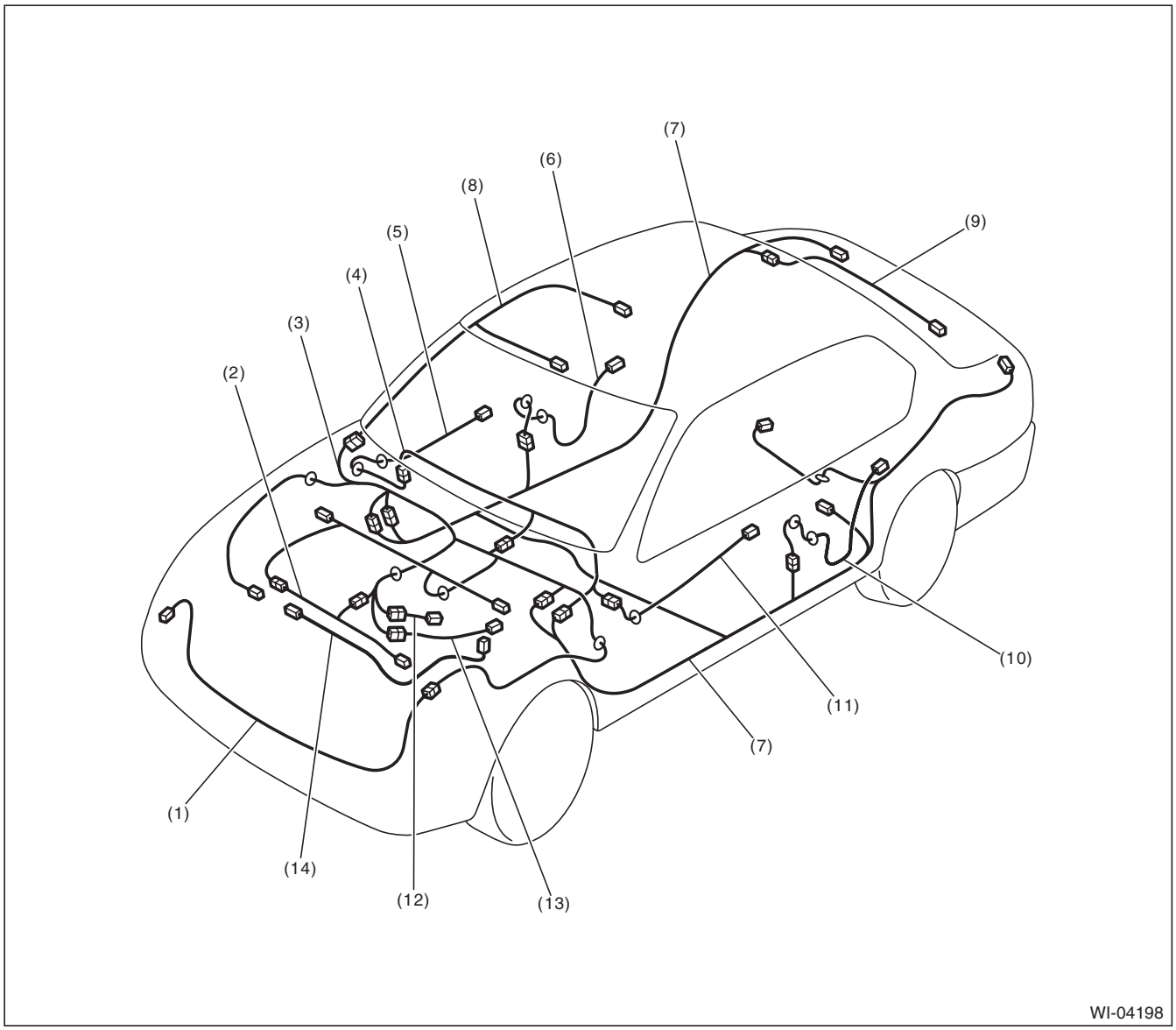
A: LOCATION

1. LHD SEDAN MODEL



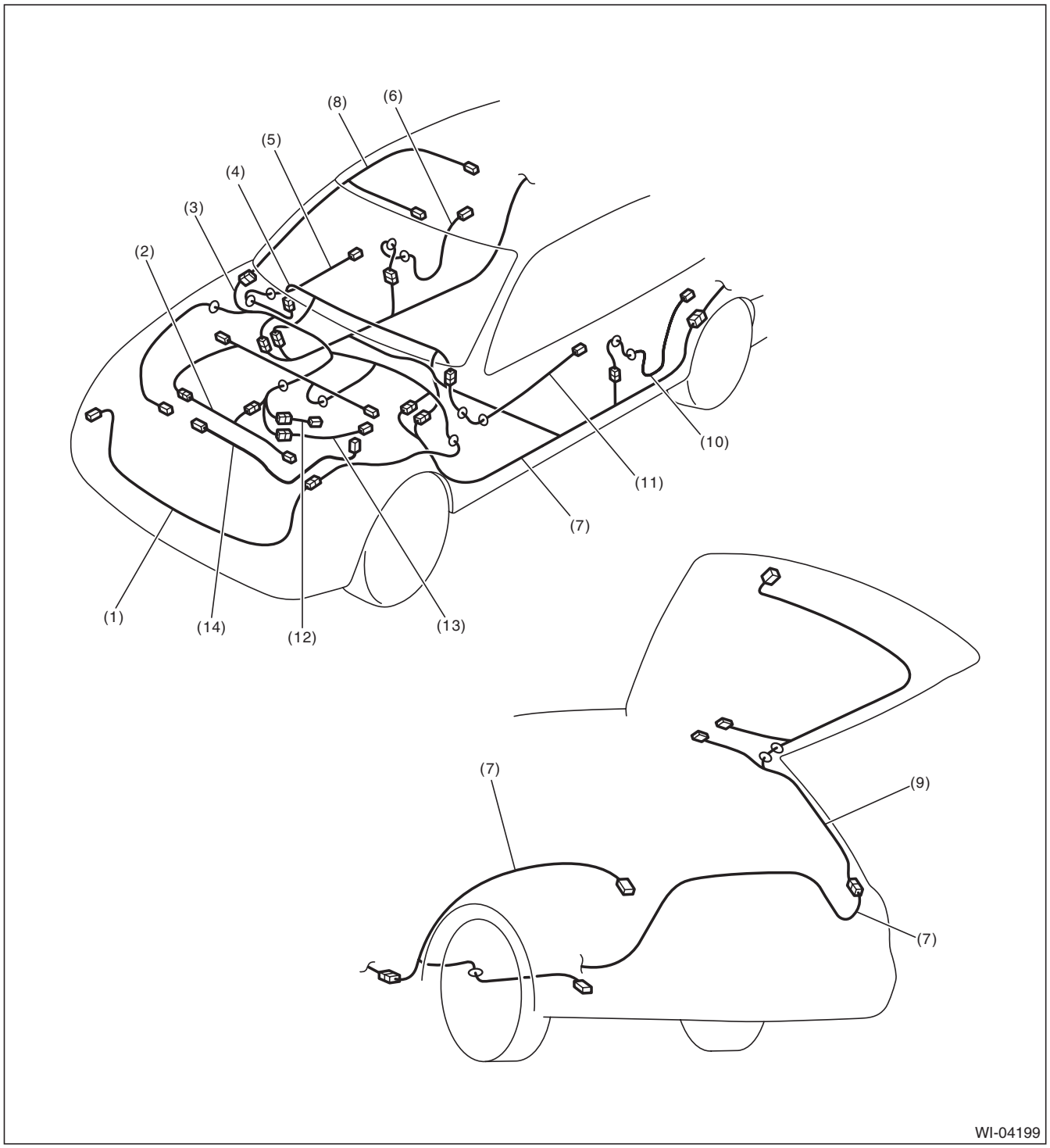
(1) Front wiring harness
(2) Engine wiring harness
(3) Bulkhead wiring harness
(4) Instrument panel wiring harness
(5) Front door cord RH
(6) Rear door cord RH
(7) Rear wiring harness
(8) Roof cord
(9) Trunk lid cord
(10) Rear door cord LH
(11) Front door cord LH
(12) Transmission cord
(13) Rear oxygen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

2. RHD SEDAN MODEL



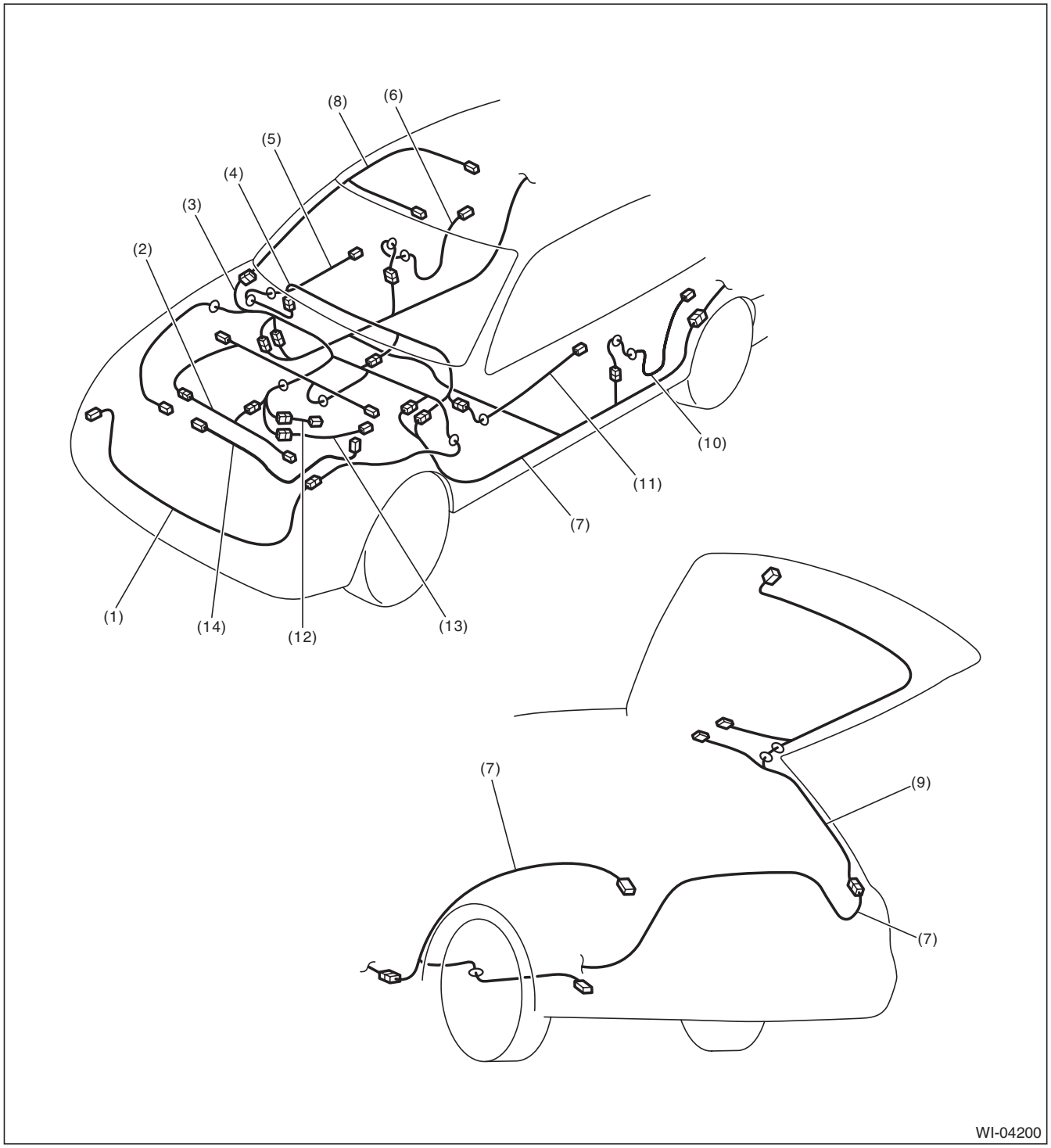
(1) Front wiring harness
(2) Engine wiring harness
(3) Bulkhead wiring harness
(4) Instrument panel wiring harness
(5) Front door cord RH
(6) Rear door cord RH
(7) Rear wiring harness
(8) Roof cord
(9) Trunk lid cord
(10) Rear door cord LH
(11) Front door cord LH
(12) Transmission cord
(13) Rear oxygen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

3. LHD 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

4. RHD 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

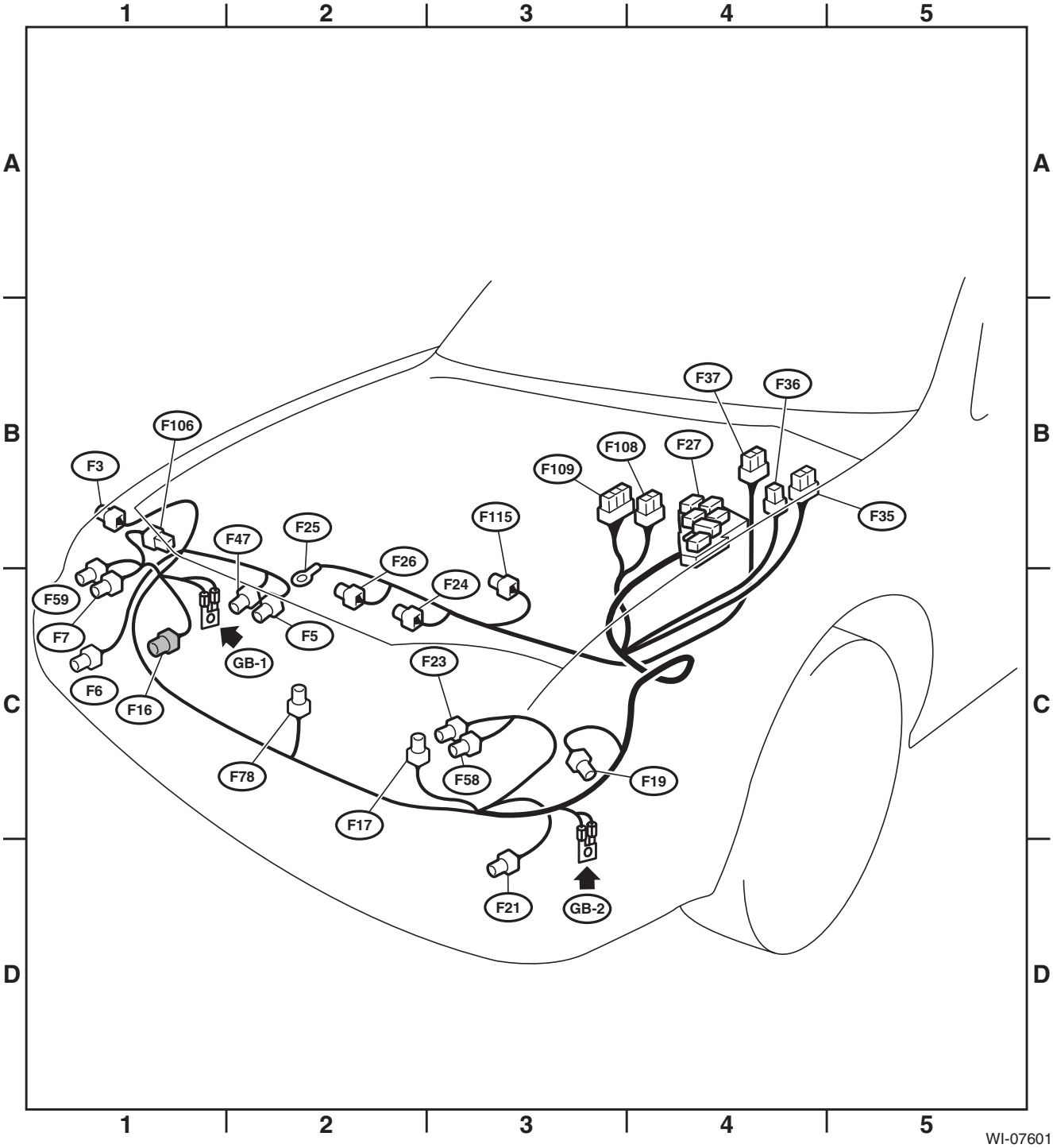
53.Front Wiring Harness

A: LOCATION

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
F3	2	Gray	B-1		Front turn signal light RH
F5	1	Black	C-2		Horn
F6	2	★	C-1		Front fog light RH
F7	6	★	C-1		Headlight and front clearance light RH
F16	2	Black	C-1		Sub fan motor (H4 model)
F17	2	Black	C-2		Main fan motor (H4 model)
F19	2	Gray	C-3		Front turn signal light LH
F21	2	★	D-3		Front fog light LH
F23	6	★	C-3		Headlight and front clearance light LH
F24	2	★	C-2		A/C compressor
F25	1	★	C-2		Generator terminal B
F26	3	★	C-2		Generator
F27	31	★	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	★	C-3		Headlight leveler LH
F59	3	★	C-1		Headlight leveler RH
F78	2	Black	C-2		Ambient sensor
F106	3	★	B-1		PWM controller (H6 model)
F108	18	★	B-4	B361	Through joint connector
F109	24	★	B-3	B360	
F115	2	Gray	C-3		A/C lock sensor

★: Non-colored

Front Wiring Harness



54.Bulkhead Wiring Harness (In Engine Compartment)

A: LOCATION

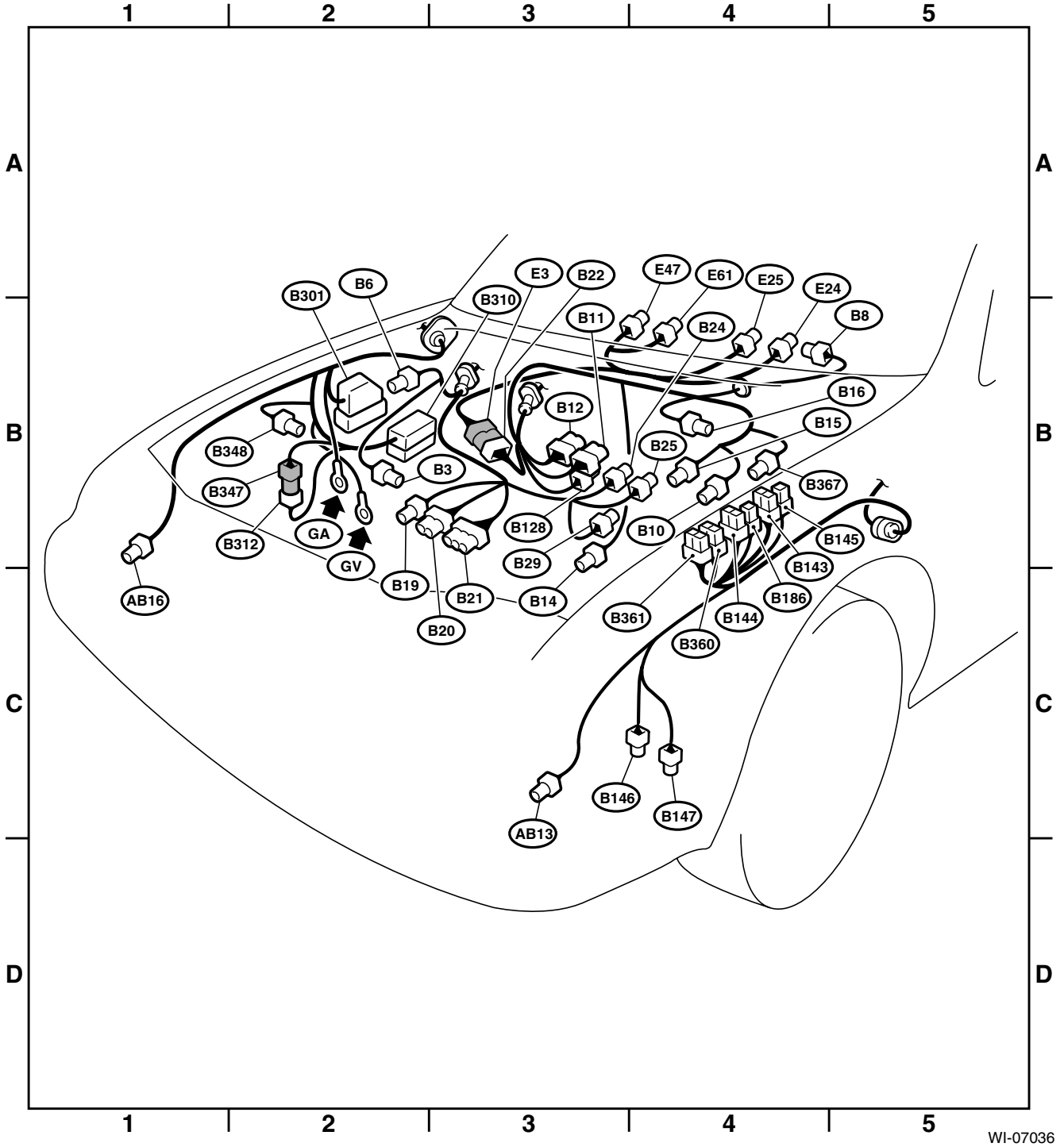
1. LHD MODEL

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
B3	5	Black	B-2		Mass air flow sensor
B6	2	Black	B-2		Front ABS wheel speed sensor RH
B8	5	Black	B-4		Front wiper motor
B10	4	Gray	B-4		A/C pressure switch
B11	20	Gray	B-3	T4	Transmission (AT model)
B12	8	Brown	B-3	T3	Transmission (H6 AT model)
	12	Gray	B-3	T3	Transmission (H4 AT model)
B14	1	Black	B-3		Starter (Magnet)
B15	2	Brown	B-4		Front ABS wheel speed sensor LH
B16	2	Gray	B-4		Brake fluid level switch
B19	4	Black	B-2	T5	Rear oxygen sensor cord (2.0 L & 2.5 L KS model)
	4	Gray	B-2	T5	Rear oxygen sensor cord (2.5 L EC, K4 model)
B20	16	Brown	B-3	E1	Engine wiring harness
B21	54	Black	B-3	E2	
B22	16	Brown	B-3	E3	Engine wiring harness (H6 model)
B24	2	Gray	B-3	T1	Back-up light switch (H4 MT model)
B25	2	Brown	B-4	T2	Neutral position switch (H4 MT model)
B29	2	Black	B-3	T8	LO (AWD) switch (H4 MT model)
B128	4	★	B-3	T9	Transmission (6MT 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	42	Black	B-2		VDC control module
B312	2	Black	B-2	B347	Shield joint connector (VDC)
B347	2	Black	B-2	B312	
B348	3	Black	B-2		Pressure sensor
B360	16	Gray	B-4	F109	Through joint connector
B361	14	Gray	B-4	F108	
B367	2	Gray	B-4		Heater cock solenoid (EC, K4 model)
★: Non-colored					

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
★: Non-colored					

Bulkhead Wiring Harness (In Engine Compartment)

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
E3	16	Brown	B-3	B22	Bulkhead wiring harness (H6 model)
E24	4	Black	B-4		Front oxygen (A/F) sensor LH (H6 model)
E25	4	Gray	B-4		Rear oxygen sensor LH (H6 model)
E47	4	Black	B-4		Front oxygen (A/F) sensor RH (H6 model)
E61	4	Gray	B-4		Rear oxygen sensor RH (H6 model)



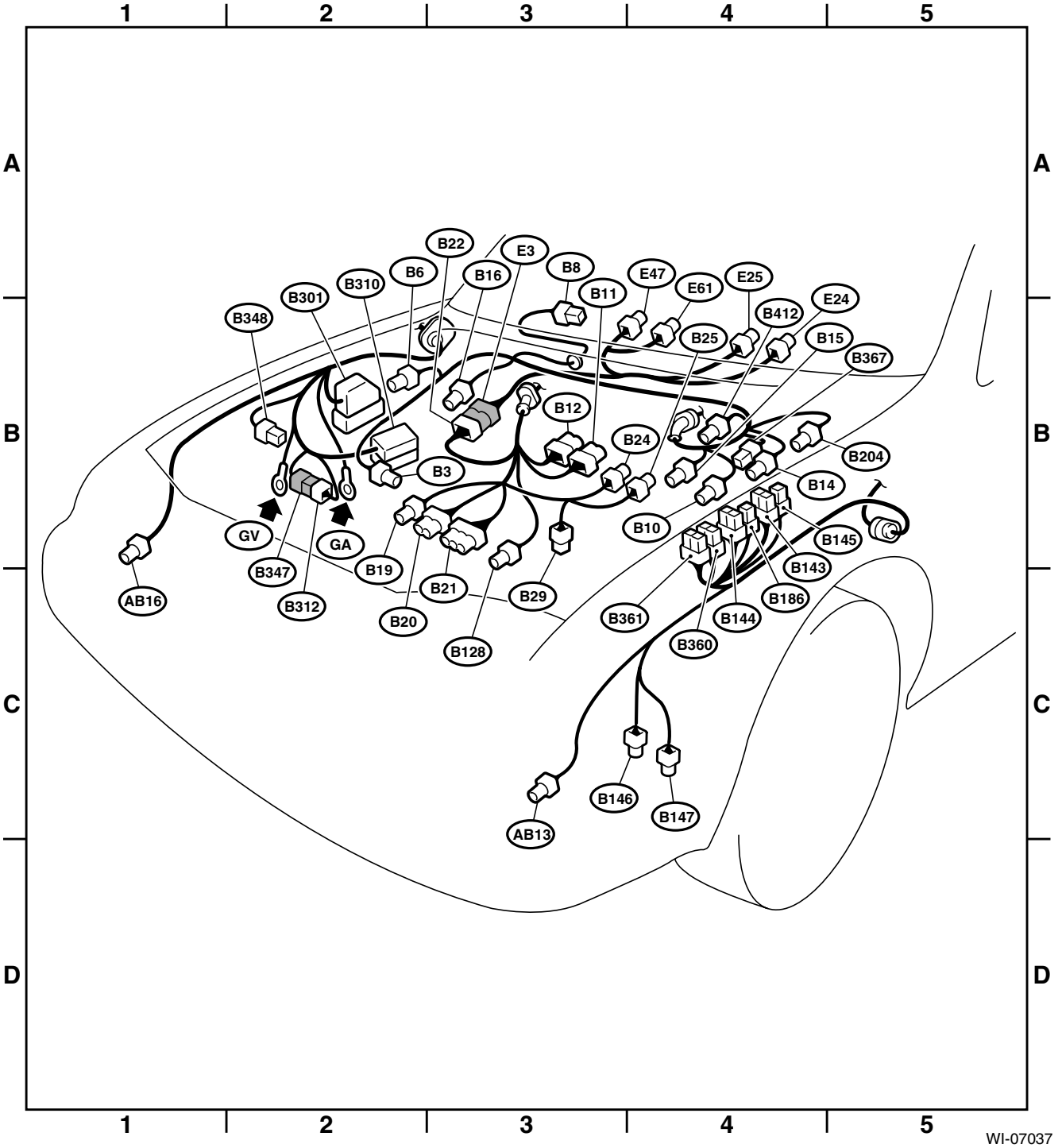
2. RHD NON-TURBO MODEL

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
B3	5	Black	B-2		Mass air flow sensor (2.5 L EK model and 3.0 L model)
B6	2	Black	B-2		Front ABS wheel speed sensor RH
B8	5	Black	B-3		Front wiper motor
B10	4	Gray	B-4		A/C pressure switch
B11	20	Gray	B-3	T4	Transmission (AT model)
B12	8	Brown	B-3	T3	Transmission (H6 AT model)
	12	Gray	B-3	T3	Transmission (H4 AT model)
B14	1	Black	B-4		Starter (Magnet)
B15	2	Black	B-4		Front ABS wheel speed sensor LH
B16	2	Gray	B-3		Brake fluid level switch
B19	4	Black	B-2	T5	Rear oxygen sensor cord (2.0 L & 2.5 L KS model)
	4	Gray	B-2	T5	Rear oxygen sensor cord (2.5 L EC, K4 model)
B20	16	Brown	B-3	E1	Engine wiring harness
B21	54	Black	B-3	E2	
B22	16	★	B-3	E3	Engine wiring harness (H6 model)
B24	2	Gray	B-3	T1	Back-up light switch (MT model)
B25	2	Brown	B-4	T2	Neutral position switch (MT model)
B29	2	Black	B-3	T8	LO (AWD) switch (MT model)
B128	4	Gray	B-3	T9	Transmission (6MT 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)
B204	3	Gray	B-4		Security siren
B301	26	Black	B-2		ABS control module
B310	42	Black	B-2		VDC control module
B312	2	Black	B-2	B347	Shield joint connector (VDC)
B347	2	Black	B-2	B312	
B348	3	Black	B-2		Pressure sensor
B360	16	Gray	B-4	F109	Through joint connector
B361	14	Gray	B-4	F108	
B367	2	Gray	B-4		Heater cock solenoid (EK model)
B412	6	★	B-4		Alarm kit
★: Non-colored					

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
★: Non-colored					

Bulkhead Wiring Harness (In Engine Compartment)

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
E3	16	Brown	B-3	B22	Bulkhead wiring harness (H6 model)
E24	4	Black	B-4		Front oxygen (A/F) sensor LH (H6 model)
E25	4	Gray	B-4		Rear oxygen sensor LH (H6 model)
E47	4	Black	B-4		Front oxygen (A/F) sensor RH (H6 model)
E61	4	Gray	B-4		Rear oxygen sensor RH (H6 model)

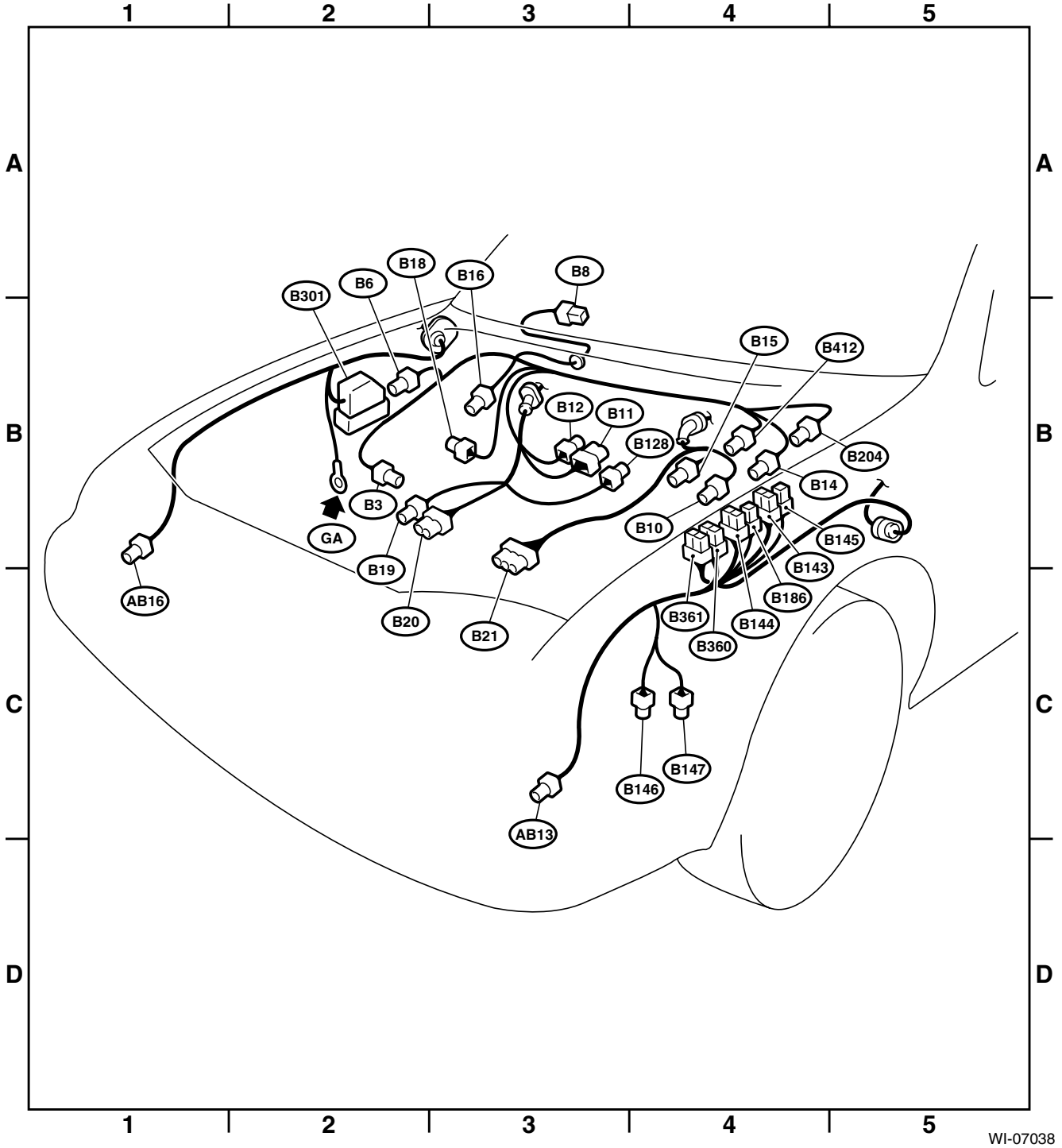


3. RHD TURBO MODEL

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
B3	5	Black	B-2		Mass air flow sensor
B6	2	Black	B-2		Front ABS wheel speed sensor RH
B8	5	Black	B-3		Front wiper motor
B10	4	Gray	B-4		A/C pressure switch
B11	20	Gray	B-3	T4	Transmission (AT model)
B12	8	Brown	B-3	T3	
B14	1	Black	B-4		Starter (Magnet)
B15	2	Black	B-4		Front ABS wheel speed sensor LH
B16	2	Gray	B-3		Brake fluid level switch
B18	4	Gray	B-3		Front oxygen (A/F) sensor
B19	4	Green	B-2	T5	Rear oxygen sensor cord
B20	16	Brown	B-3	E1	Engine wiring harness
B21	54	Black	B-3	E2	
B128	4	Gray	B-3	T9	Transmission (5MT 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)
B204	3	Gray	B-4		Security siren
B301	26	Black	B-2		ABS control module
B360	16	Gray	B-4	F109	Through joint connector
B361	14	Gray	B-4	F108	
B412	6	★	B-4		Alarm kit
★: Non-colored					

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
★: Non-colored					

Bulkhead Wiring Harness (In Engine Compartment)



55. Bulkhead Wiring Harness (In Compartment)

A: LOCATION

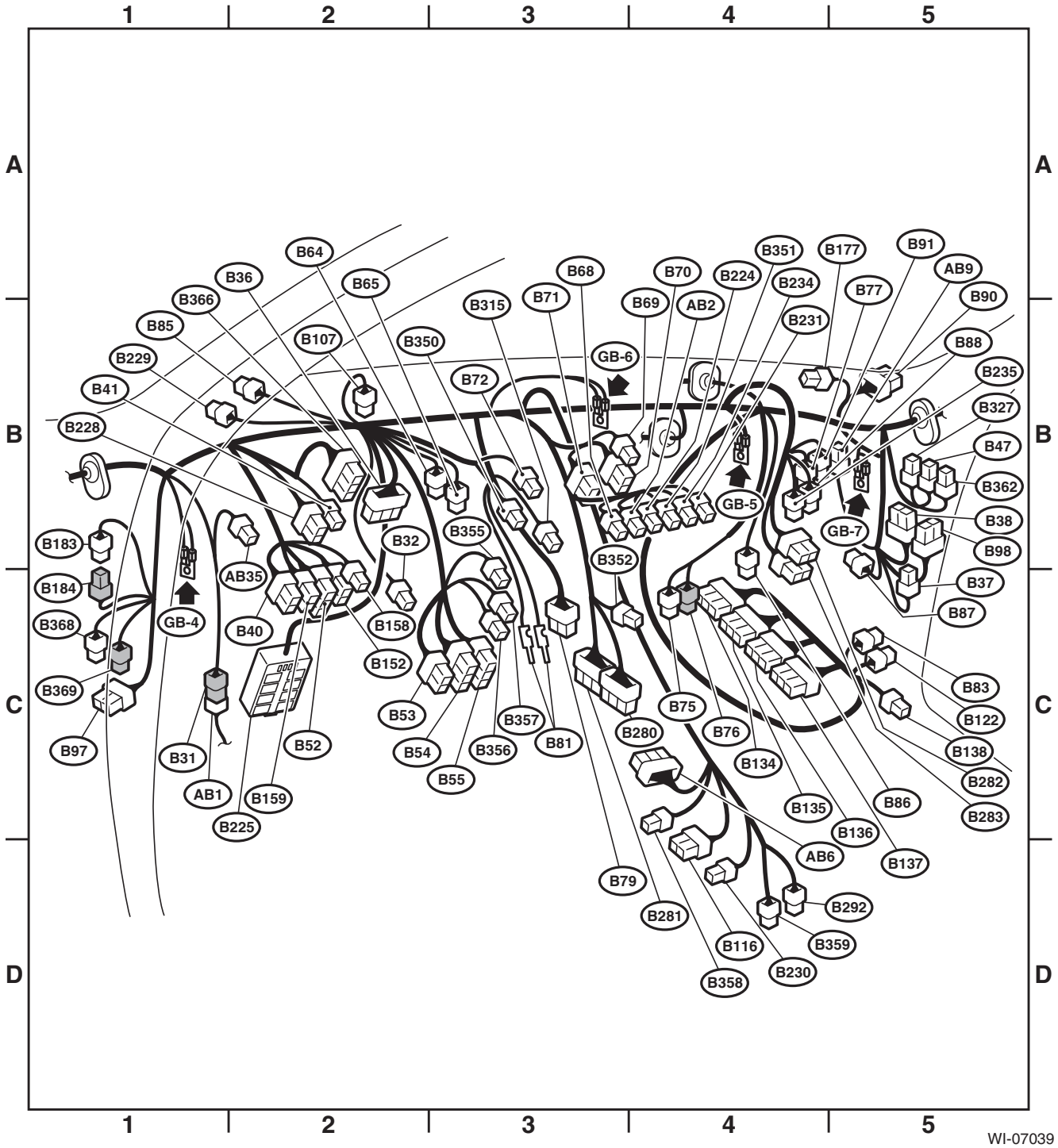
1. LHD MODEL

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
B31	6	Yellow	C-1	AB1	Airbag wiring harness
B32	8	★	C-2		Turn signal and hazard module
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		Shield joint connector (4-speed AT model)
B54	24	★	C-3		TCM
B55	24	Gray	C-3		TCM (5-speed AT model)
	31	★			TCM (4-speed AT model)
B64	2	Black	B-3		Stop light switch
B65	4	Black	B-3		Stop and brake switch (Model with cruise control)
B68	8	★	B-3		Roll connector
B69	4	★	B-3		Parking switch
B70	18	★	B-3		Combination switch
B71	17	★	B-3		
B72	6	★	B-3		Ignition switch
B75	2	Green	C-4	B76	Test mode connector
B76	2	Green	C-4	B75	
B77	10	★	B-4		Mode actuator (Manual A/C)
	5	★			Mode actuator (Auto A/C)
B79	14	Gray	C-3		Line end check connector
B81	1×2	★	C-2		Diagnosis terminal
B83	8	★	C-5		Joint connector
B85	2	Black	B-2		Diode (Light)
B86	4	★	B-4		Blower motor resistor
B87	2	Black	B-5		Blower fan motor
B88	5	★	B-4		Evaporator thermo switch (Manual A/C)
	2	★			Evaporator thermo switch (Auto A/C)
B90	16	★	B-5	R50	Roof cord
B91	7	Green	B-4		FRESH/RECIRC actuator
B97	16	★	C-1	R1	Rear wiring harness
B98	16	★	B-5	R2	
B107	2	Blue	B-2		Clutch switch (Model with cruise control)
B116	10	Gray	D-4		Select lever (AT model)
B122	8	★	C-5		Joint connector (E/G)
B134	34	★	C-4		ECM
B135	35	★	C-4		ECM
B136	35	★	C-4		ECM
B137	31	★	C-4		ECM
B138	8	★	C-5		Joint connector (H4 model)
B152	10	Gray	C-2		Fuse & relay box (F/B)
B158	8	★	C-2		Fuse & relay box (F/B)
B159	9	Brown	C-2		Fuse & relay box (F/B)
B177	2	★	B-4		Wiper deicer
B183	1	★	B-1	B184	Keyless entry connector
B184	1	★	C-1	B183	
B224	2	★	B-4		Key switch illumination
B225	40	Black	C-2		Fuse (Relay block)
		Black			Mirror heater relay
		Black			Starter relay
		Black			Front fog light relay
		Black			Power window relay
		Black			Blower fan relay
		Black			Rear fog light relay
		Black			Wiper deicer relay
		Black			Seat heater relay
B228	15	★	B-2		OP connector
B229	2	Black	B-2		Diode (Parking brake)
B230	6	Black	D-4		Yaw rate sensor (VDC)
B231	4	★	B-4		Steering angle sensor (VDC)
B234	8	★	B-4		CAN joint connector (VDC)
B235	7	Green	B-4		Air mix actuator (Auto A/C)
B280	30	★	C-3		Body integrated module
B281	28	★	C-3		
B282	16	★	B-4		Auto A/C control module
B283	20	★	B-4		
B292	3	★	D-4		ABS G sensor

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
B297	1	★	C-3	B298	A/C mode (F) (EC model)
B298	1	★	C-3	B297	A/C mode (M) (EC model)
B315	6	Black	B-3		Accelerator pedal position sensor
B327	6	Brown	B-5		Oxygen (A/F) heater relay (2.5 L EC, EK model and 3.0 L model)
B349	2	★	B-3		Diode (Wiper)
B350	4	★	B-3		Key actuator
B351	2	Black	B-4		Antenna (Model with immobilizer)
B352	8	★	C-3		CAN joint connector
B355	8	★	B-3		CAN joint connector (TCM)
B356	4	Black	C-3		Back-up light relay (5-speed AT model)
B357	4	Black	C-3		P-VIGN relay (5-speed AT model)
B358	2	★	C-4		Select lever illumination (AT model)
B359	3	Black	D-4		G sensor (AT model)
B362	8	Black	B-5		Relay holder
B366	26	★	B-2		LAN module (H6 model)
B368	2	★	C-1	B369	Test mode connectors
B369	2	★	C-1	B368	
★: Non-colored					

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
AB1	6	Yellow	C-1	B31	Bulkhead wiring harness
AB2	4	Yellow	B-4	AB7	Airbag module (Driver's side)
AB6	28	Yellow	C-4		Airbag control module
AB9	4	Yellow	B-5	AB10	Airbag module (Passenger's side)
AB35	2	★	B-2		Fuse & relay box (F/B)
★: Non-colored					

Bulkhead Wiring Harness (In Compartment)



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2. RHD MODEL

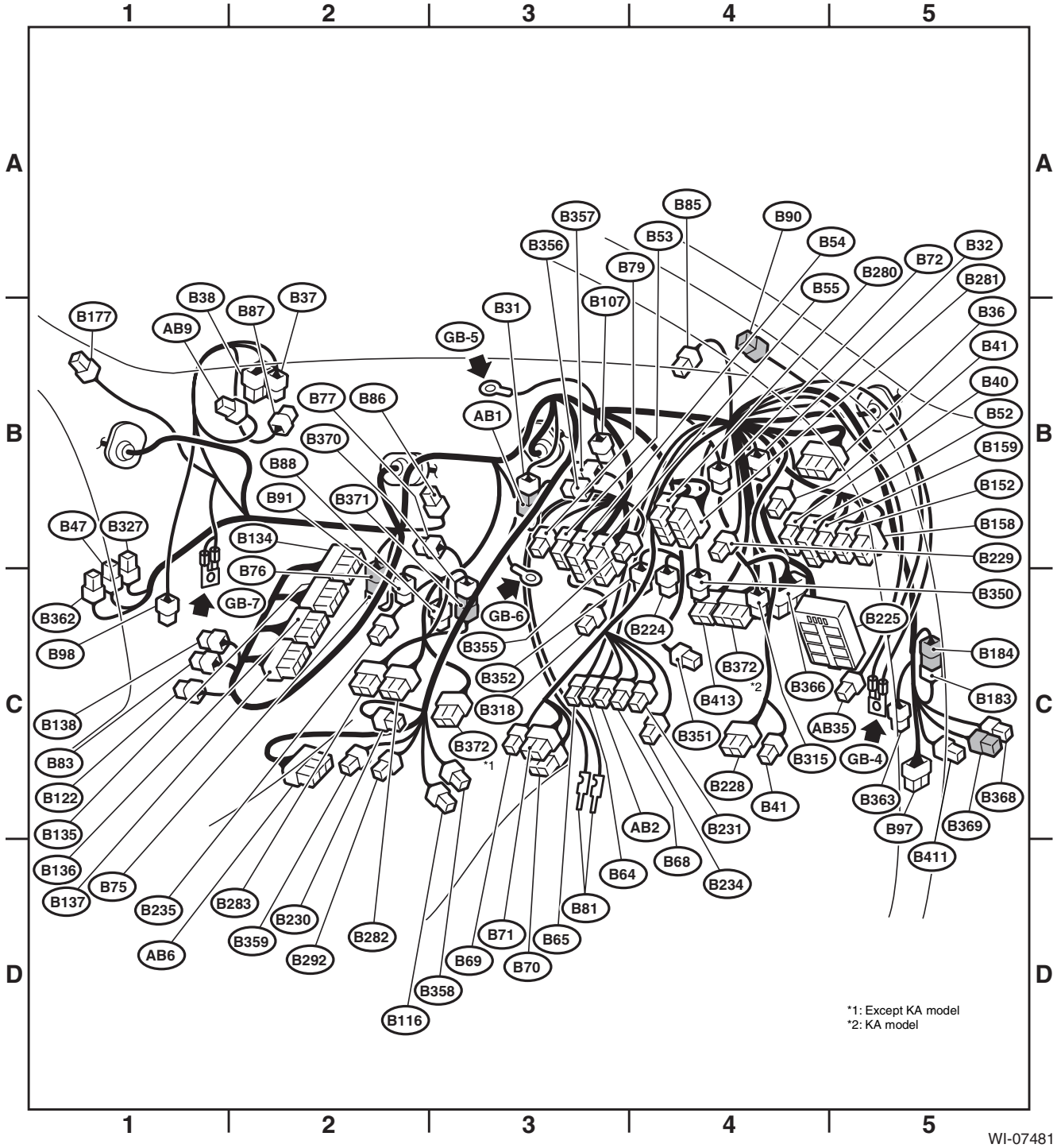
Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
B31	6	Yellow	B-3	AB1	Airbag wiring harness
B32	8	★	B-4		Turn signal and hazard module
B36	28	★	B-4	i1	Instrument panel wiring harness
B37	8	★	B-2	i2	Instrument panel wiring harness (Manual A/C)
B38	20	★	B-2	i3	Instrument panel wiring harness
B40	16	Black	B-4		Data link connector
B41	2	★	C-4		Power window circuit breaker
B47	6	Brown	C-1		Main relay
B52	24	★	B-4		Fuse & relay box (F/B)
B53	20	★	B-3		Shield joint connector (AT model)
B54	24	★	B-3		TCM
B55	24	Gray	B-3		TCM (Turbo model and H6 model)
	31	★			TCM (H4 model and Non-turbo model)
B64	2	Black	C-3		Stop light switch
B65	4	Black	C-3		Stop and brake switch (Model with cruise control)
B68	8	★	C-3		Roll connector
B69	4	★	C-3		Parking switch
B70	18	★	C-3		Combination switch
B71	17	★	C-3		
B72	6	★	B-4		Ignition switch
B75	2	Green	B-3	B76	Test mode connector
B76	2	Green	B-3	B75	
B77	10	★	B-2		Mode actuator (Manual A/C)
	5	★			Mode actuator (Auto A/C)
B79	14	Gray	B-3		Line end check connector
B81	1×2	★	C-4		Diagnosis terminal
B82	8	★	C-4		Diagnosis connector
B83	8	★	C-1		Joint connector
B85	2	Black	B-4		Diode (Light)
B86	4	★	B-3		Blower motor resistor
B87	2	★	B-2		Blower fan motor
B88	5	★	C-3		Evaporator thermo switch (Manual A/C)
	2	★			Evaporator thermo switch (Auto A/C)
B90	16	★	B-4	R50	Roof cord
B91	7	Green	C-2		FRESH/RECIRC actuator
B97	20	★	C-5	R1	Rear wiring harness
B98	8	★	C-1	R2	
B107	2	Blue	B-3		Clutch switch (Model with cruise control)
B116	10	Gray	C-3		Select lever (AT model)
B122	8	★	C-1		Joint connector (E/G)
B134	34	★	B-2		ECM
B135	35	★	C-2		ECM
B136	35	★	C-2		ECM
B137	31	★	C-2		ECM
B138	8	★	C-1		Joint connector
B152	10	Gray	B-5		Fuse & relay box (F/B)
B158	8	★	B-5		Fuse & relay box (F/B)
B159	9	Brown	B-4		Fuse & relay box (F/B)
B177	2	★	B-1		Wiper deicer
B183	1	★	C-5	B184	Keyless entry connector
B184	1	★	C-5	B183	
B224	2	★	C-4		Key switch illumination
B225	40	Black	C-4		Fuse (Relay block)
		Black			Mirror heater relay
		Black			Starter relay
		Black			Front fog light relay
		Black			Power window relay
		Black			Blower fan relay
		Black			Rear fog light relay
		Black			Wiper deicer relay
		Black			Seat heater relay
B228	15	★	C-4		OP connector
B229	2	★	B-4		Diode (Parking brake)
B230	6	★	C-2		Yaw rate sensor
B231	4	★	C-4		Steering angle sensor (VDC)
B234	8	★	C-4		CAN joint connector (VDC)
B235	7	Green	C-2		Air mix actuator (Auto A/C)
B280	30	★	B-4		Body integrated module
B281	28	★	B-4		
B282	16	★	C-2		Auto A/C control module
B283	20	★	C-2		
B292	3	★	C-2		ABS G sensor
B315	6	Black	C-4		Accelerator pedal position sensor
B318	4	★	C-3		VDC OFF switch
B327	6	Brown	B-1		Oxygen (A/F) heater relay (2.5 L EK model and 3.0 L model)
B349	2	★	B-4		Diode (Wiper)
B350	4	★	C-4		Key actuator

Bulkhead Wiring Harness (In Compartment)

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
B351	2	Black	C-4		Antenna (Model with immobilizer)
B352	8	★	C-4		CAN joint connector
B355	8	★	B-3		CAN joint connector (5-speed AT model)
B356	4	★	B-3		Back-up light relay (5-speed AT model)
B357	4	★	B-3		P-VIGN relay (5-speed AT model)
B358	2	★	C-3		Select lever illumination (AT model)
B359	3	Black	C-2		G sensor (AT model)
B362	8	Black	C-1		Relay holder
B366	26	★	C-4		LAN module
B368	2	Green	C-5	B369	Test mode sub connectors
B369	2	Green	C-5	B368	
B370	2	★	C-3	B371	Starter cut connector (EK model)
B371	2	★	C-3	B370	
B372	20	★	C-3		Alarm control module (Except KA model)
	22	★	C-4		Alarm control module (KA model)
B411	1	Black	C-5		Security connector
B413	10	★	B-4		Alarm kit
★: Non-colored					

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
AB1	6	Yellow	B-3	B31	Bulkhead wiring harness
AB2	4	Yellow	C-3	AB7	Airbag module (Driver's side)
AB6	28	Yellow	C-2		Airbag control module
AB9	4	Yellow	B-2	AB10	Airbag module (Passenger's side)
AB35	2	★	C-5		Fuse & relay box (F/B)
★: Non-colored					

Bulkhead Wiring Harness (In Compartment)



56.Engine Wiring Harness and Transmission Cord

A: LOCATION

1. 2.0 L SOHC NON-TURBO MODEL AND 2.5 L KS, KA 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	
E4	2	Blue	A-2		Purge control solenoid valve
E5	2	Light gray	B-1		Fuel injector No. 1
E6	2	Light gray	A-2		Fuel injector No. 3
E8	2	Black	B-2		Engine coolant temperature sensor and thermometer
E10	2	Light gray	B-3		Crankshaft position sensor
E11	1	White	B-2		Oil pressure switch
E12	4	Gray	A-2		Ignition coil & Ignitor ASSY (2.0 L SOHC NON-TURBO model)
	4	Dark gray	A-2		Ignition coil & Ignitor ASSY (2.5 L KS, KA model)
E14	2	Brown	A-4		Knock sensor
E15	2	Gray	B-4		Camshaft position sensor
E16	2	Light gray	B-4		Fuel injector No. 2
E17	2	Light gray	B-4		Fuel injector No. 4
E18	6	Dark gray	B-4		EGR valve
E19	1	White	B-2		Power steering oil pressure switch
E20	2	Black	A-3		Intake air temperature sensor
E21	3	Gray	A-3		Manifold absolute pressure sensor
E24	4	Dark gray	B-2		Front oxygen (A/F) sensor (2.0 L SOHC NON-TURBO model)
	4	Gray	B-2		Front oxygen (A/F) sensor (2.5 L KS, KA model)
E78	6	Black	A-3		Electronic throttle control
★: Non-colored					

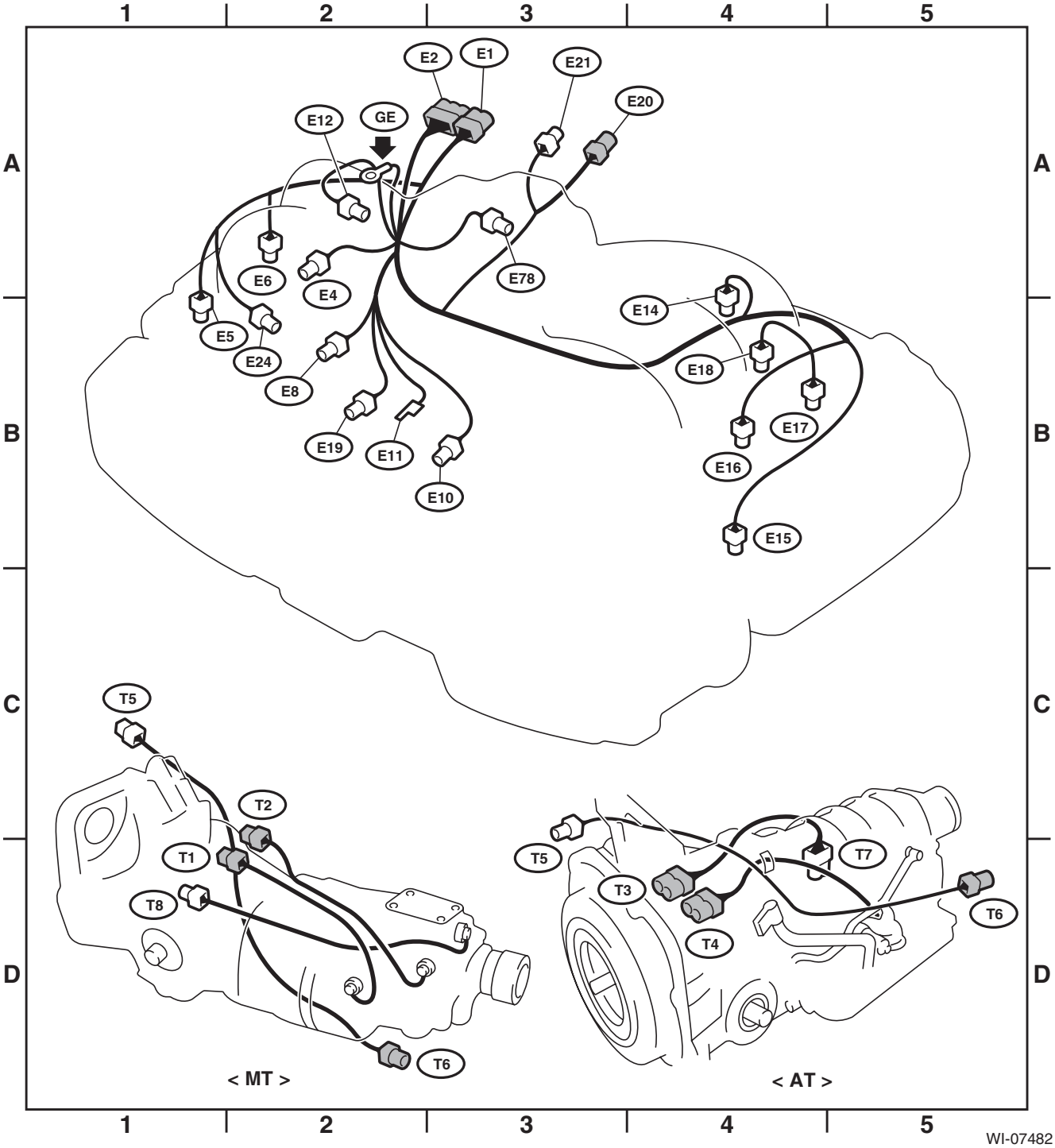
• AT model

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
T3	12	Black	D-4	B12	Bulkhead wiring harness
T4	20	Gray	D-4	B11	
T5	4	Green	C-3	B19	
T6	4	Dark gray	D-5		Rear oxygen sensor
T7	12	★	D-4		Inhibitor switch
★: Non-colored					

• MT model

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
T1	2	Gray	D-2	B24	Bulkhead wiring harness
T2	2	Brown	C-2	B25	
T5	4	Gray	C-1	B19	
T6	4	Gray	D-2		Rear oxygen sensor
T8	2	Black	D-1	B29	LO (AWD) switch
★: Non-colored					

Engine Wiring Harness and Transmission Cord



2. 2.5 L EC, K4, EK 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	
E4	2	Blue	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 and thermometer
E10	2	Light gray	B-3		Crankshaft position sensor
E11	1	White	B-2		Oil pressure switch
E12	4	Dark gray	A-2		Ignition coil & Ignitor ASSY
E14	2	Brown	A-4		Knock sensor
E15	2	Gray	B-4		Camshaft position sensor
E16	2	Dark gray	B-4		Fuel injector No. 2
E17	2	Dark gray	B-4		Fuel injector No. 4
E18	6	Dark gray	B-4		EGR valve
E19	1	White	B-2		Power steering oil pressure switch
E21	3	Black	A-3		Manifold absolute pressure sensor
E24	6	Gray	B-2		Front oxygen (A/F) sensor
E50	3	Black	A-4		Tumble generator valve position sensor LH
E51	2	Black	B-3		Tumble generator valve actuator LH
E54	3	Black	A-3		Tumble generator valve position sensor RH
E55	2	Black	B-1		Tumble generator valve actuator RH
E57	6	Black	A-3		Electronic throttle control
★: Non-colored					

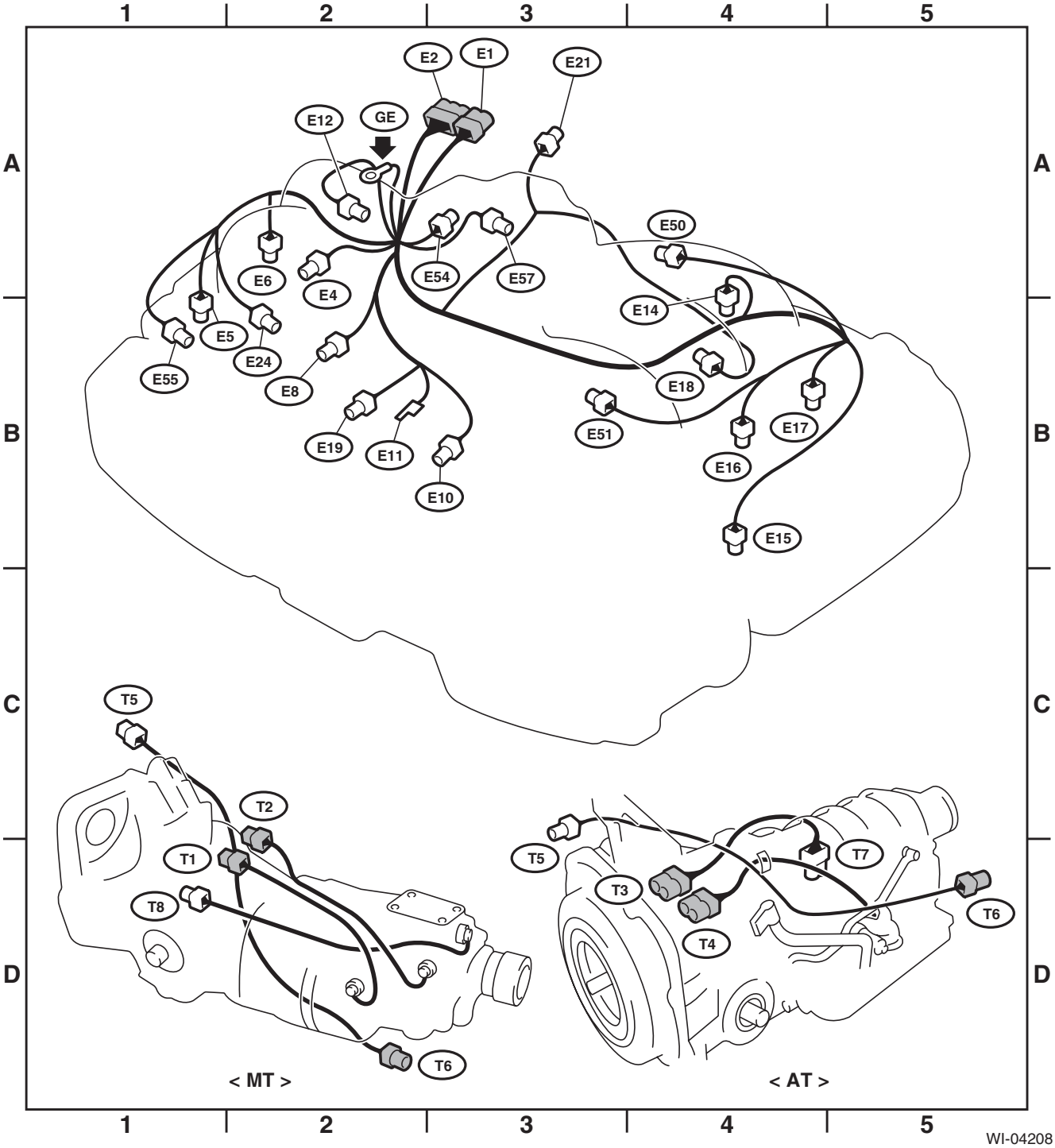
• AT model

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
T3	12	Black	D-4	B12	Bulkhead wiring harness
T4	20	Gray	D-4	B11	
T5	4	Green	C-3	B19	
T6	4	Dark gray	D-5		Rear oxygen sensor
T7	12	★	D-4		Inhibitor switch
★: Non-colored					

• MT model

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
T1	2	Gray	D-2	B24	Bulkhead wiring harness
T2	2	Brown	C-2	B25	
T5	4	Gray	C-1	B19	
T6	4	Gray	D-2		Rear oxygen sensor
T8	2	Black	D-1	B29	LO (AWD) switch
★: Non-colored					

Engine Wiring Harness and Transmission Cord



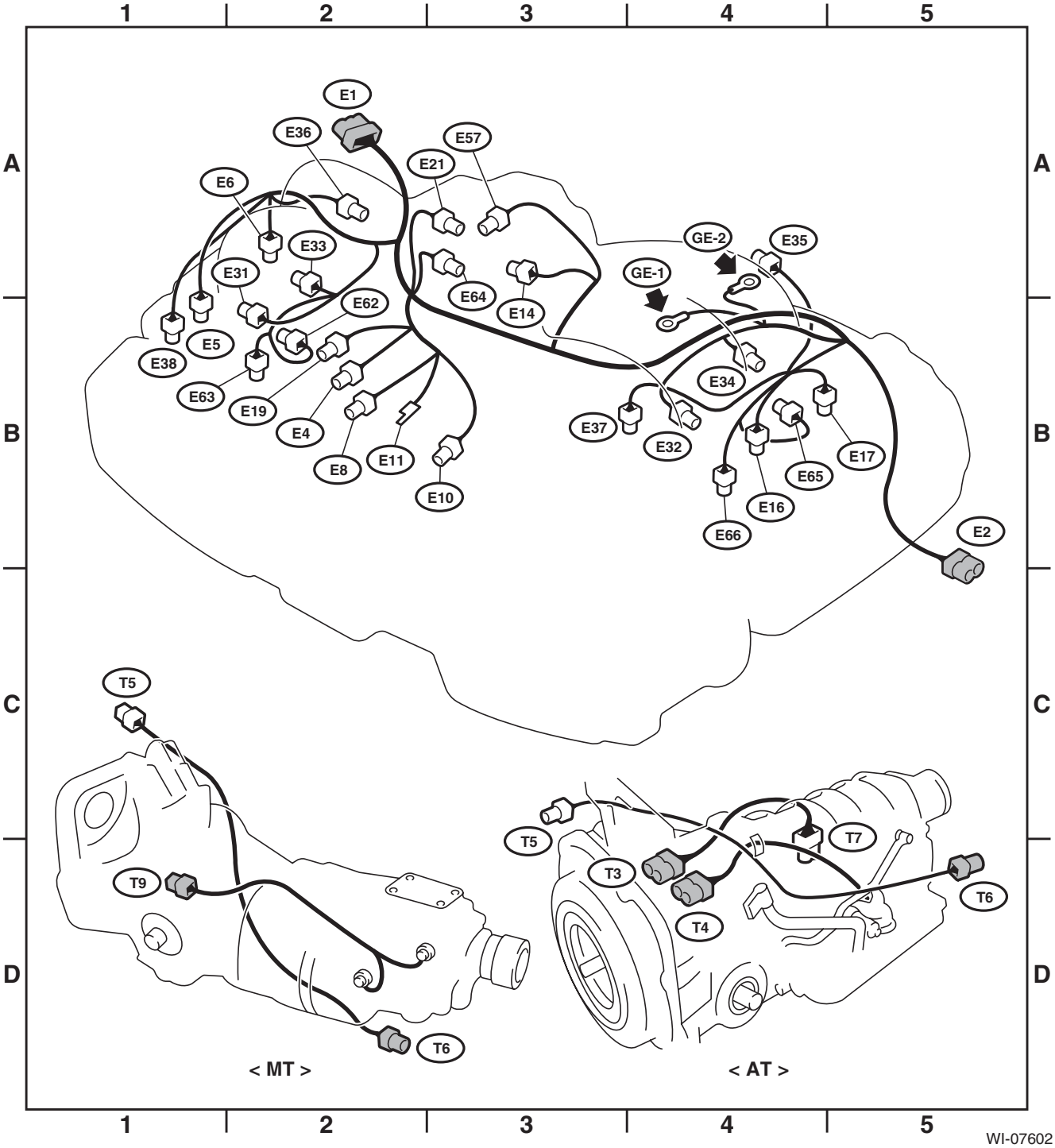
WI-04208

3. TURBO MODEL

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
E1	16	Brown	A-2	B20	Bulkhead wiring harness
E2	54	Black	B-5	B21	
E4	2	Black	B-2		Purge control solenoid valve
E5	2	Light gray	B-1		Fuel injector No. 1
E6	2	Black	A-1		Fuel injector No. 3
E8	2	Black	B-2		Engine coolant temperature sensor and thermometer
E10	2	Light gray	B-3		Crankshaft position sensor
E11	1	White	B-2		Oil pressure switch
E14	2	Brown	A-3		Knock sensor
E16	2	Light gray	B-4		Fuel injector No. 2
E17	2	Black	B-4		Fuel injector No. 4
E19	1	White	B-2		Power steering oil pressure switch
E21	3	Black	A-3		Manifold absolute pressure sensor
E31	3	White	B-2		Ignition coil No. 1
E32	3	White	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		Intake camshaft position sensor LH
E36	3	Light gray	A-2		Intake camshaft position sensor RH
E37	2	Blue	B-4		Intake oil flow control solenoid valve LH
E38	2	Blue	B-1		Intake oil flow control solenoid valve RH
E57	6	Black	A-3		Electronic throttle control
E62	2	Light gray	B-2		Exhaust camshaft position sensor RH
E63	2	Blue	B-2		Exhaust oil flow control solenoid valve RH
E64	2	Blue	A-3		Wastegate control solenoid
E65	2	Light gray	B-4		Exhaust camshaft position sensor LH
E66	2	Blue	B-4		Exhaust oil flow control solenoid valve LH
★: Non-colored					

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
T3	8	★	D-3	B12	Bulkhead wiring harness
T4	20	Gray	D-3	B11	
T5	4	Gray	D-2	B19	
T6	4	Gray	D-4		Rear oxygen sensor
T7	12	★	D-3		Inhibitor switch
T9	4	Gray	D-1	B128	Transmission (5MT model)
★: Non-colored					

Engine Wiring Harness and Transmission Cord



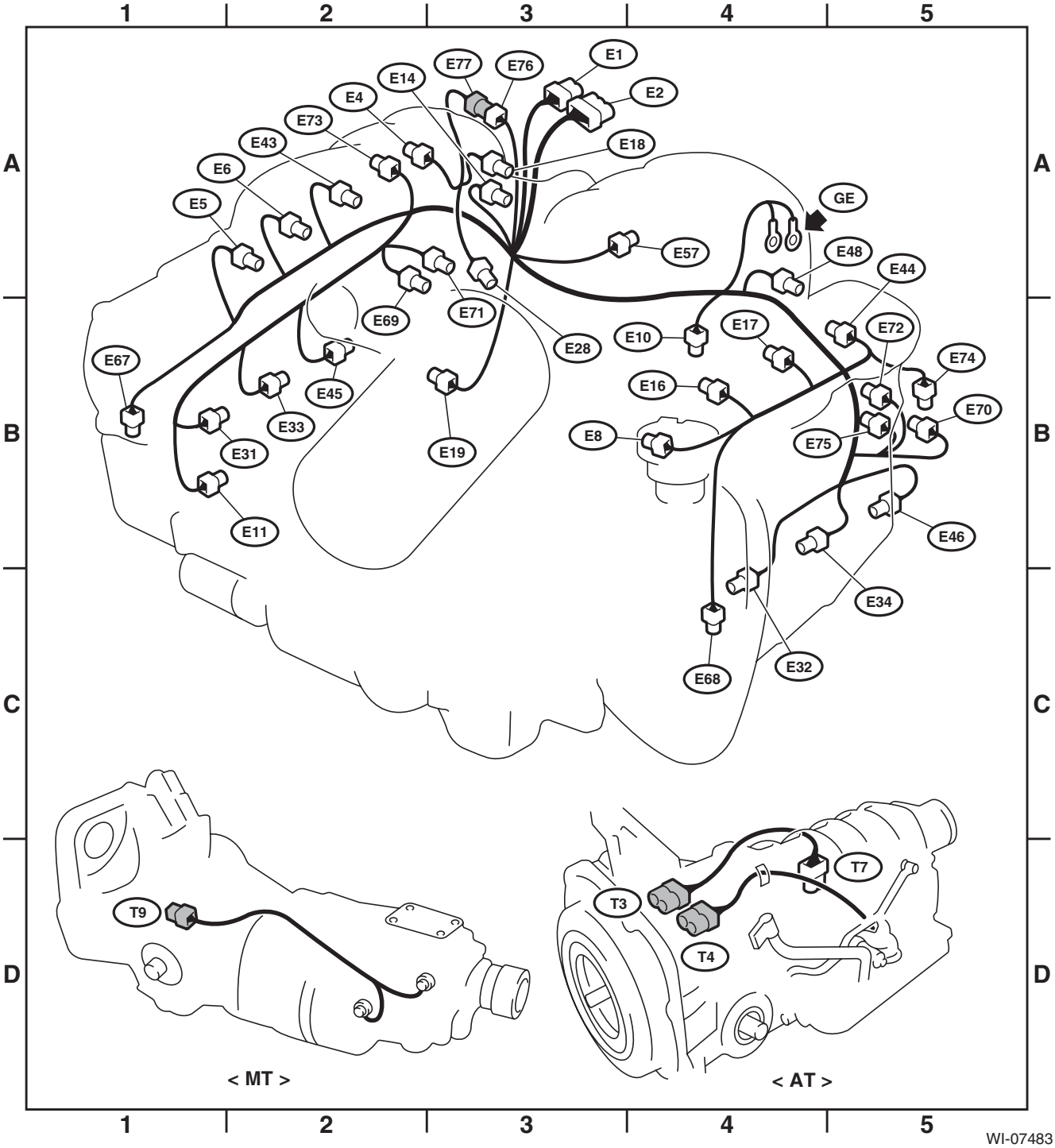
WI-07602

4. 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	
E4	2	Blue	A-2		Purge control solenoid valve
E5	2	Dark gray	A-2		Fuel injector No. 1
E6	2	Dark gray	A-2		Fuel injector No. 3
E8	2	Black	B-4		Engine coolant temperature sensor
E10	2	Light gray	B-4		Crankshaft position sensor
E11	1	★	B-1		Oil pressure switch
E14	2	Green	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
E28	3	Black	A-3		Manifold absolute pressure sensor
E31	3	Black	B-1		Ignition coil No. 1
E32	3	Black	C-4		Ignition coil No. 2
E33	3	★	B-2		Ignition coil No. 3
E34	3	★	B-4		Ignition coil No. 4
E43	2	Dark gray	A-2		Fuel injector No. 5
E44	2	Dark gray	B-5		Fuel injector No. 6
E45	3	Black	B-2		Ignition coil No. 5
E46	3	Black	B-5		Ignition coil No. 6
E48	2	Green	A-4		Knock sensor 2
E57	6	Black	A-3		Electronic throttle control
E67	2	Blue	B-1		Oil flow control solenoid valve RH
E68	2	Blue	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	Gray	A-3	E76	
★: Non-colored					

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
T3	12	★	D-2	B12	Bulkhead wiring harness
T4	20	Black	D-3	B11	
T7	12	★	D-3		Inhibitor switch
T9	4	★	D-1	B128	Transmission (6MT model)
★: Non-colored					

Engine Wiring Harness and Transmission Cord



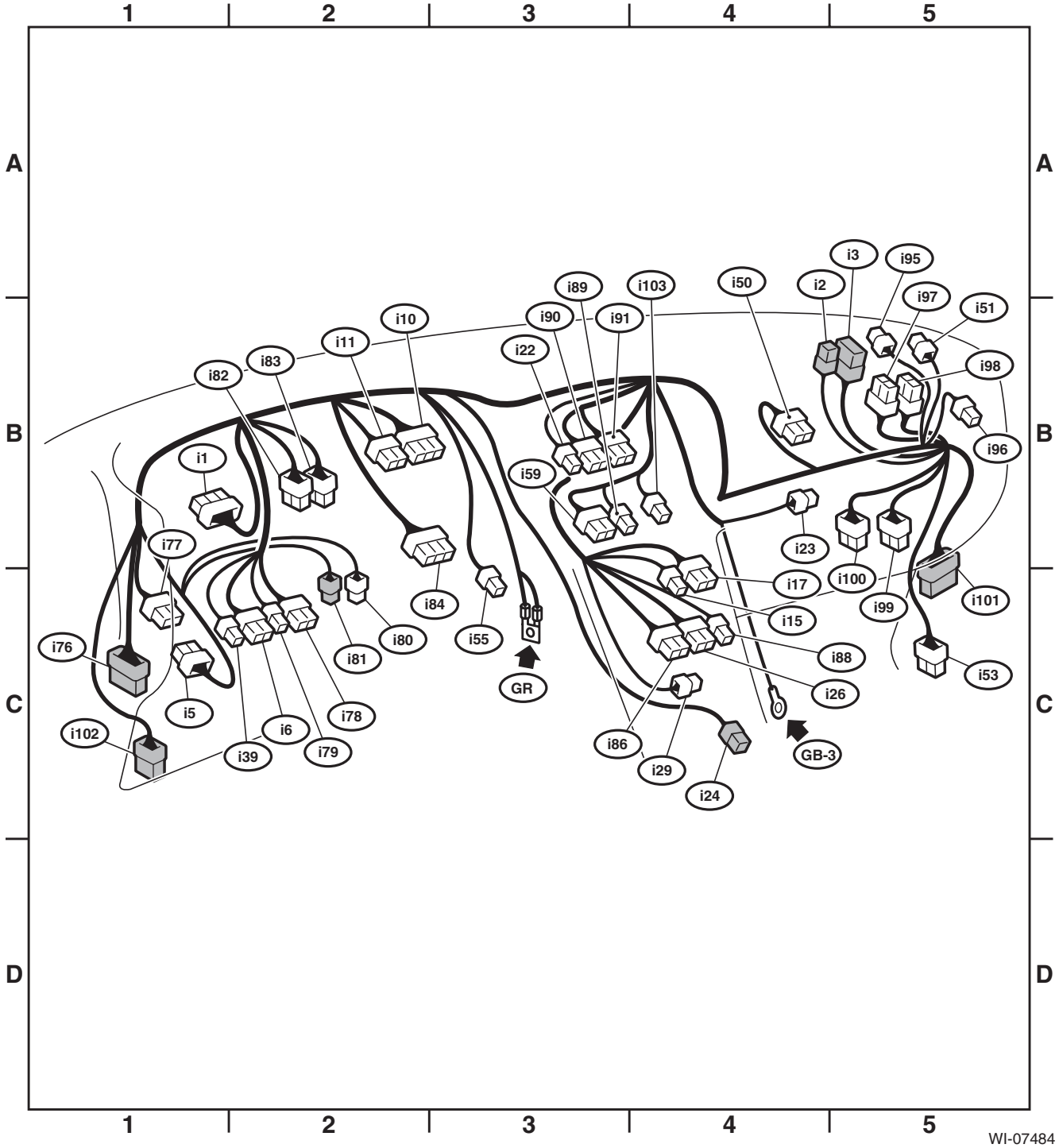
WI-07483

57.Instrument Panel Wiring Harness

A: LOCATION

1. LHD MODEL

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
i1	28	★	B-1	B36	Bulkhead wiring harness
i2	8	★	B-4	B37	
i3	20	★	B-5	B38	
i5	20	★	C-1		Fuse & relay box (F/B)
i6	16	★	C-2		Mirror control switch
i10	22	Green	B-2		Combination meter
i11	14	Green	B-2		
i15	6	★	C-4		A/C control panel (Manual A/C)
i17	16	Black	C-4		
i22	4	★	B-3		Hazard switch
i23	2	★	B-4		Glove box illumination
i24	6	★	C-4		Front accessory power supply socket
i26	14	★	C-4		Audio
i29	1	Black	C-4		Audio bracket earth
i39	6	★	C-1		Headlight leveler switch
i50	10	★	B-4		Navigation module
i51	2	Black	B-5		Sun load sensor
i53	18	★	C-5	R98	Rear wiring harness
i55	2	★	C-3		In-vehicle sensor
i59	10	★	B-3		Clock
i76	28	★	C-1	D83	Front door cord LH
i77	12	Blue	C-1		CAN joint connector
i78	15	★	C-2		Push switch
i79	6	★	C-2		Illumination control switch
i80	1	★	C-2		Meter diagnosis connector
i81	1	★	C-2		
i82	12	★	B-2		Joint connector (Illumination & back-up light)
i83	12	★	B-2		
i84	35	Gray	B-2		Body integrated module
i86	20	★	C-4		Audio
i88	8	Black	C-4		A/C control panel (Auto A/C)
i89	2	★	B-3		Box light
i90	16	Black	B-3		TV monitor 1
i91	20	Black	B-3		TV monitor 2
i95	6	★	B-5		IE-BUS joint connector (Model with satellite switch)
i96	8	★	B-5		Keyless entry control module
i97	12	★	B-5		Ground joint connector
i98	12	★	B-5		
i99	12	★	B-5		Ground joint connector
i100	12	★	B-5		
i101	25	★	B-5	D84	Front door cord RH
i102	18	★	C-1	R167	Rear wiring harness
i103	4	★	B-4		TV monitor (For navigation system)
★: Non-colored					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2. RHD MODEL

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
i1	28	★	B-5	B36	Bulkhead wiring harness
i2	8	★	B-1	B37	
i3	20	★	B-1	B38	
i5	20	★	C-5		Fuse & relay box (F/B)
i6	16	★	C-4		Mirror control switch
i10	22	Green	B-4		Combination meter
i11	14	Green	B-4		
i15	6	★	C-2		A/C control panel (Manual A/C)
i17	16	Black	C-2		
i22	4	★	B-2		Hazard switch
i23	2	★	B-2		Glove box illumination
i24	6	★	C-2		Front accessory power supply socket
i26	14	★	C-2		Audio
i29	1	Black	C-2		Audio bracket earth
i39	6	★	C-4		Headlight leveler switch
i50	10	★	B-2		Navigation module
i51	2	Black	B-1		Sunload sensor
i53	18	★	C-5	R98	Rear wiring harness
i55	2	★	C-3		In-vehicle sensor
i59	10	★	B-3		Clock
i76	25	★	C-5	D83	Front door cord RH (Without double lock)
	28	★			Front door cord RH (With double lock)
i77	12	Blue	B-5		CAN joint connector
i78	15	★	C-4		Push switch
i79	6	★	C-4		Illumination control switch
i80	1	★	C-4		Meter diagnosis connector
i81	1	★	C-4		
i82	12	★	B-4		Joint connector (Illumination & back-up light)
i83	12	★	B-4		
i84	35	Gray	B-3		Body integrated module
i85	8	Black	C-2		Audio 2 (Model with McIntosh)
i86	20	★	C-2		Audio
i88	8	Black	C-2		A/C control panel (Auto A/C)
i89	2	★	B-3		Box light
i90	16	Black	B-3		TV monitor 1
i91	20	Black	B-3		TV monitor 2
i95	6	★	B-1		IE-BUS joint connector (Model with satellite switch)
i96	8	★	B-1		Keyless entry control module
i97	12	★	B-1		Ground joint connector
i98	12	★	B-1		
i99	12	★	B-1		Ground joint connector
i100	12	★	B-1		
i101	25	★	C-1	D84	Front door cord LH
i102	18	★	C-1	R167	Rear wiring harness
i103	4	★	B-3		TV monitor (For navigation system)
★: Non-colored					

Instrument Panel Wiring Harness

58.Rear Wiring Harness

A: LOCATION

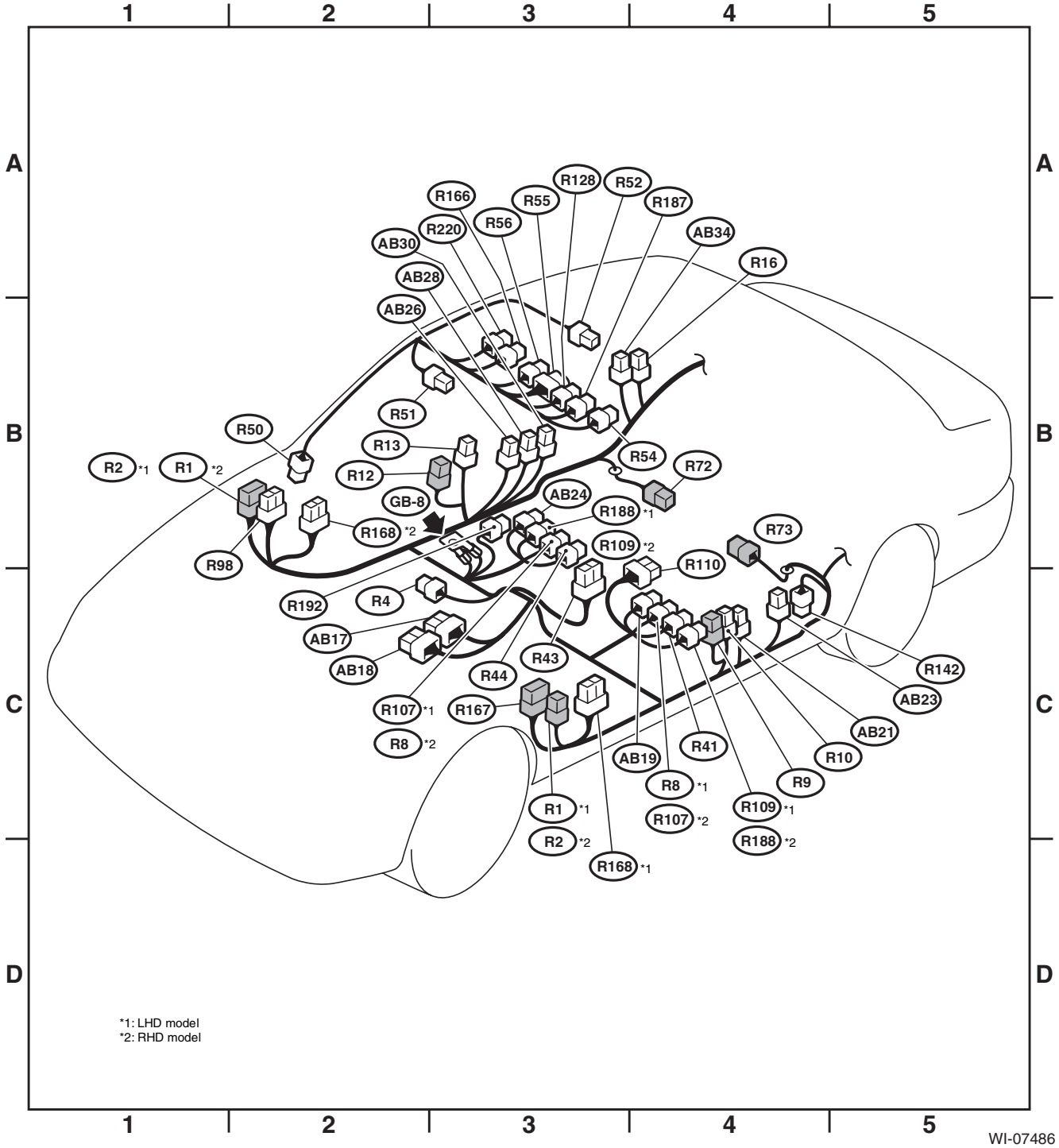
1. SEDAN MODEL

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
R1	16	★	C-3	B97	Bulkhead wiring harness (LHD)
	20	★	B-2		Bulkhead wiring harness (RHD)
R2	16	★	B-2	B98	Bulkhead wiring harness (LHD)
	8	★	C-3		Bulkhead wiring harness (RHD)
R4	1	Black	C-3		Parking brake switch
R8	4	★	C-4		Front seat belt switch LHD (Driver's side)
			B-3		Front seat belt switch RHD (Driver's side)
R9	3	★	C-4		Front door switch LH
R10	8	★	C-4	D22	Rear door cord (Passenger's side)
R12	3	★	B-3		Front door switch RH
R13	8	★	B-3	D28	Rear door cord (Driver's side)
R16	3	★	B-4		Rear door switch RH
R41	4	★	C-4		Seat heater LH
R43	20	★	C-3		Seat heater switch
R44	4	★	B-3		Seat heater RH
R50	16	★	B-2	B90	Bulkhead wiring harness
R51	2	Black	B-3		Vanity mirror illumination RH
R52	3	★	B-3		Interior light
R54	2	Black	B-3		Vanity mirror illumination LH
R55	10	Gray	B-3		Sunroof control module
R56	2	★	B-3		Spot map light
R72	2	Black	B-4		Rear ABS wheel speed sensor RH
R73	2	Black	B-4		Rear ABS wheel speed sensor LH
R98	18	★	B-2	i53	Instrument panel wiring harness
R107	4	★	B-3		Front seat belt switch LHD (Passenger's side)
			C-4		Front seat belt switch RHD (Passenger's side)
R109	2	Black	C-4		Power seat LHD (Driver's side)
			B-3		Power seat RHD (Driver's side)
R110	18	★	C-4		Audio amplifier (Model with McIntosh)
R128	5	★	B-3		Sunroof switch
R142	2	Black	C-4		Fuel pump condenser
R166	5	★	B-3		Seat belt warning light
R167	18	★	C-3	i102	Instrument panel wiring harness (LHD)
	16	★			Instrument panel wiring harness (RHD)
R168	20	★	C-3		Fuse & relay box (F/B) (LHD)
	20	★	B-2		Fuse & relay box (F/B) (RHD)
R187	5	Black	B-3		Tilt switch
R188	2	Black	B-3		Power seat LHD (Passenger's side)
			C-4		Power seat RHD (Passenger's side)
R192	2	★	B-3		Seat buzzer
R220	3	★	B-3		Minus ion producer/Rear view mirror

★: Non-colored

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
AB17	20	Yellow	C-3		Airbag control module LH (Model with side airbag, curtain airbag)
	12	Yellow			Airbag control module LH
AB18	20	Yellow	C-2		Airbag control module RH (Model with side airbag, curtain airbag)
	12	Yellow			Airbag control module RH
AB19	2	Yellow	C-4	AB20	Airbag module (Side) LH
AB21	2	Yellow	C-4		Pretensioner LH
AB23	4	Yellow	C-4		Side airbag sensor LH
AB24	2	Yellow	B-3	AB25	Airbag module (Side) RH
AB26	2	Yellow	B-3		Pretensioner RH
AB28	4	Yellow	B-3		Side airbag sensor RH
AB30	2	Orange	B-3		Lap seat belt pretensioner RH
AB34	4	Yellow	B-3		Curtain airbag sensor RH
★: Non-colored					

Rear Wiring Harness



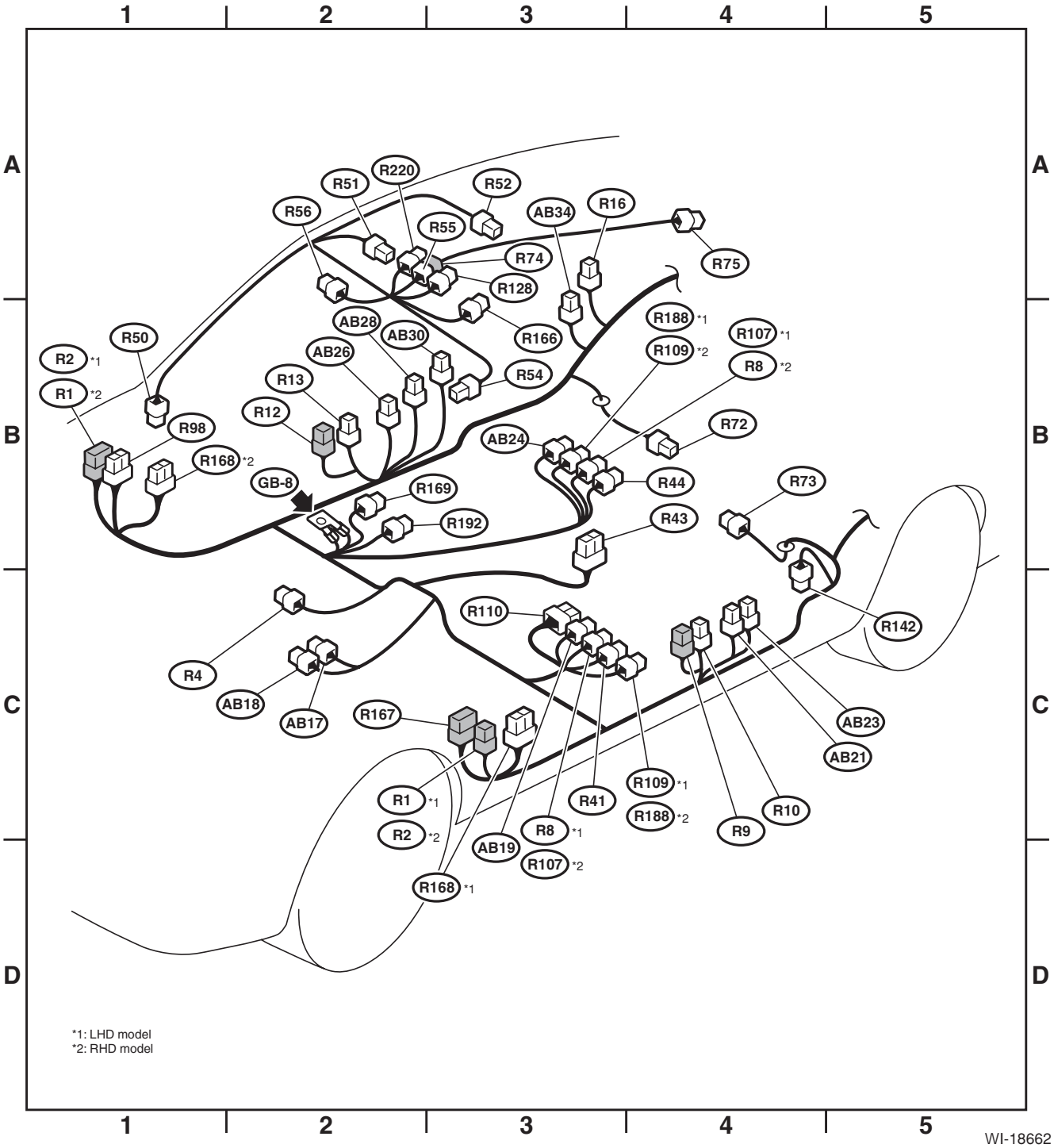
2. WAGON MODEL

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
R1	16	★	C-3	B97	Bulkhead wiring harness (LHD)
	20	★	B-1		Bulkhead wiring harness (RHD)
R2	16	★	B-1	B98	Bulkhead wiring harness (LHD)
	8	★	C-3		Bulkhead wiring harness (RHD)
R4	1	★	C-2		Parking brake switch
R8	4	★	C-3		Front seat belt switch LHD (Driver's side)
			B-3		Front seat belt switch RHD (Driver's side)
R9	3	★	C-4		Front door switch LH
R10	8	★	C-4	D22	Rear door cord (Passenger's side)
R12	3	★	B-2		Front door switch RH
R13	8	★	B-2	D28	Rear door cord (Driver's side)
R16	3	★	A-3		Rear door switch RH
R41	4	★	C-3		Seat heater LH
R43	20	★	B-3		Seat heater switch
R44	4	★	B-3		Seat heater RH
R50	16	★	B-1	B90	Bulkhead wiring harness
R51	2	Black	A-2		Vanity mirror illumination RH
R52	3	★	A-3		Interior light
R54	2	Black	B-3		Vanity mirror illumination LH
R55	2	★	A-3		Sunroof cord
R56	2	★	A-2		Spot map light
R72	2	Black	B-4		Rear ABS wheel speed sensor RH
R73	2	Black	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
R107	4	★	B-3		Front seat belt switch LHD (Passenger's side)
			C-3		Front seat belt switch RHD (Passenger's side)
R109	2	Black	C-4		Power seat LHD (Driver's side)
			B-3		Power seat RHD (Driver's side)
R110	18	★	C-3		Audio amplifier (Model with McIntosh)
R128	5	★	A-3		Sunroof switch
R142	2	Black	C-4		Fuel pump condenser
R166	5	★	B-3		Seat belt warning light
R167	18	★	C-3	i102	Instrument panel wiring harness (LHD)
	16	★			Instrument panel wiring harness (RHD)
R168	20	★	C-3		Fuse & relay box (F/B) (LHD)
	20	★	B-1		Fuse & relay box (F/B) (RHD)
R169	8	★	B-2		Impact sensor (EK model)
R188	2	Black	B-3		Power seat LHD (Passenger's side)
			C-4		Power seat RHD (Passenger's side)
R192	2	★	B-3		Seat buzzer
R220	3	★	A-2		Minus ion producer/Rear view mirror
★: Non-colored					

Rear Wiring Harness

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
AB17	20	Yellow	C-2		Airbag control module LH (Model with side airbag, curtain airbag)
	12	Yellow			Airbag control module LH
AB18	20	Yellow	C-2		Airbag control module RH (Model with side airbag, curtain airbag)
	12	Yellow			Airbag control module RH
AB19	2	Yellow	C-3	AB20	Airbag module (Side) LH
AB21	2	Yellow	C-4		Pretensioner LH
AB23	4	Yellow	C-4		Side airbag sensor LH
AB24	2	Yellow	B-3	AB25	Airbag module (Side) RH
AB26	2	Yellow	B-2		Pretensioner RH
AB28	4	Yellow	B-3		Side airbag sensor RH
AB30	2	Orange	B-3		Lap seat belt pretensioner RH
AB34	4	Yellow	B-3		Curtain airbag sensor RH
★: Non-colored					

Rear Wiring Harness



59. Door Cord

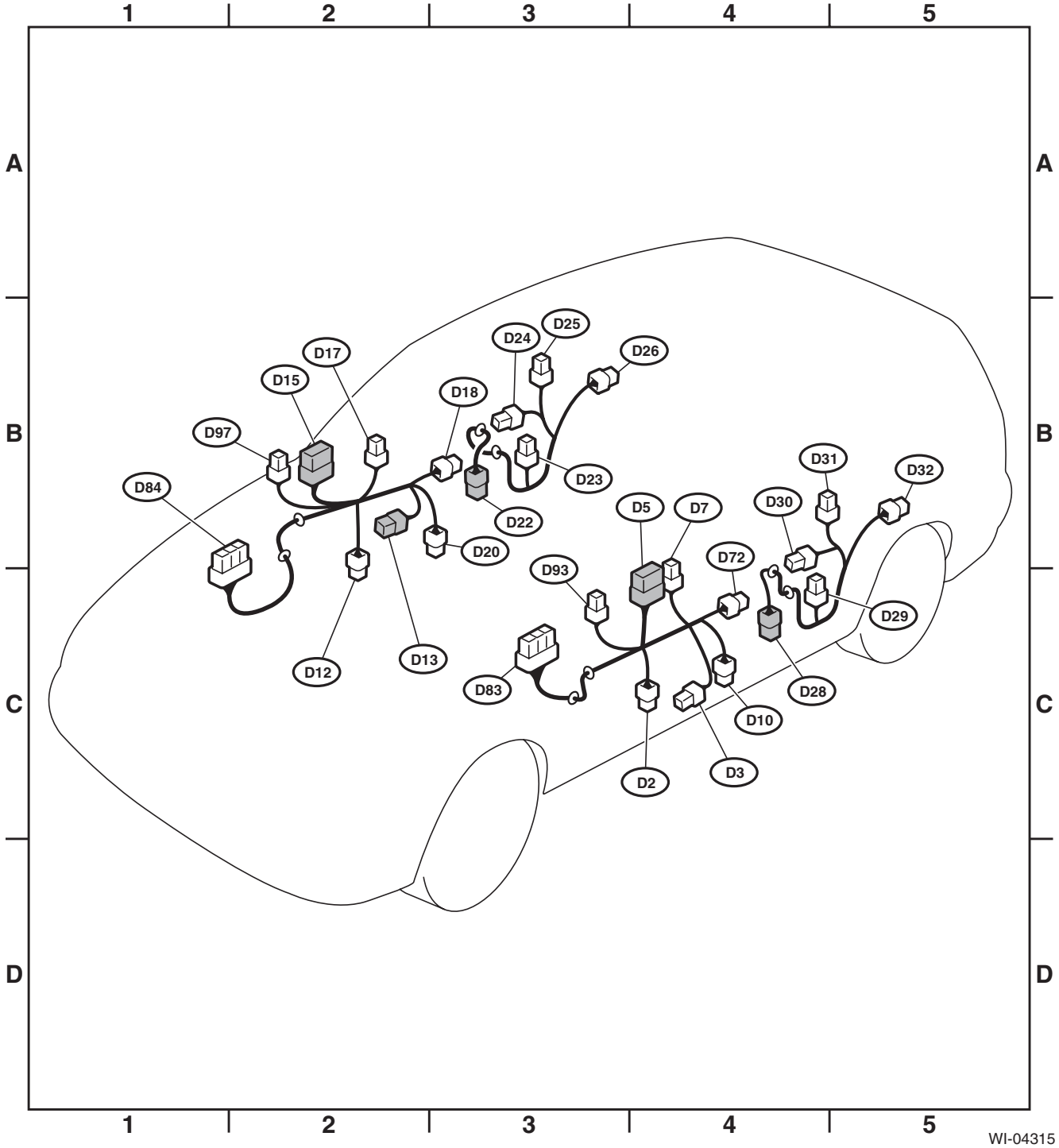
A: LOCATION

1. LHD MODEL

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	8	★	C-4		Remote control mirror LH (Without mirror heater)
	10	★			Remote control mirror LH (With mirror heater)
D7	14	★	C-4		Power window main switch
D10	2	★	C-4		Front step light LH
D12	2	★	B-2		Front door speaker RH
D13	2	Gray	B-2		Front power window motor RH
D15	8	★	B-2		Remote control mirror RH (Without mirror heater)
	10	★			Remote control mirror RH (With mirror heater)
D17	5	★	B-2		Front power window sub switch
D18	2	Gray	B-3		Front door lock actuator RH
D20	2	★	B-3		Front step light RH
D22	8	★	B-3	R10	Rear wiring harness
D23	2	Black	B-3		Rear door speaker RH
D24	2	Green	B-3		Rear power window motor RH
D25	5	★	B-3		Rear power window sub switch RH
D26	2	Gray	B-3		Rear door lock actuator RH
D28	8	★	C-4	R13	Rear wiring harness
D29	2	Black	C-4		Rear door speaker LH
D30	2	Green	B-4		Rear power window motor LH
D31	5	★	B-4		Rear power window sub switch LH
D32	2	Gray	B-5		Rear door lock actuator LH
D72	2	Gray	C-4		Front door lock actuator LH
D83	25	★	C-3	i76	Instrument panel wiring harness
D84	25	★	B-2	i101	
D93	2	★	C-3		Front door tweeter LH
D97	2	★	B-2		Front door tweeter RH

★: Non-colored

Door Cord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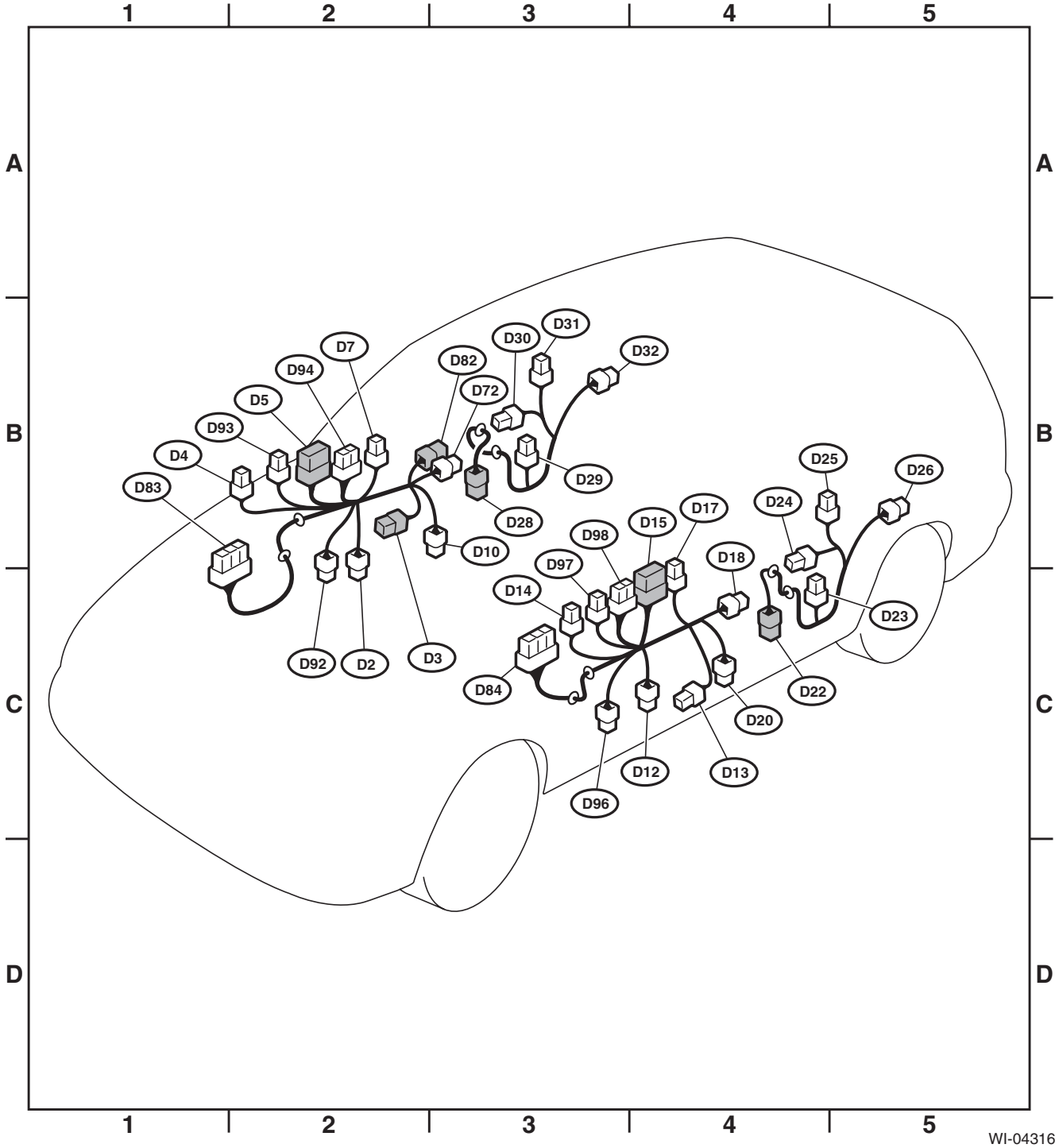
D84
D97
D15
D17
D18
D24
D25
D26
D23
D22
D20
D12
D13
D93
D83
D5
D7
D72
D10
D2
D3
D30
D31
D32
D29
D28
WI-04315

2. RHD MODEL

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
D2	2	★	B-2		Front door speaker RH
D3	2	Gray	B-2		Front power window motor RH
D4	2	Black	B-2		Front door tweeter (Gusset) RH
D5	8	★	B-2		Remote control mirror RH (Without mirror heater)
	10	★			Remote control mirror RH (With mirror heater)
D7	14	★	B-2		Power window main switch
D10	2	★	B-3		Front step light RH
D12	2	★	C-4		Front door speaker LH
D13	2	Gray	C-4		Front power window motor LH
D14	2	Black	C-3		Front door tweeter (Gusset) LH
D15	8	★	C-4		Remote control mirror LH (Without mirror heater)
	10	★			Remote control mirror LH (With mirror heater)
D17	5	★	C-4		Front power window sub switch
D18	2	Gray	C-4		Front door lock actuator LH (Without double lock)
	6	Black			Front door lock actuator LH (With double lock)
D20	2	★	C-4		Front step light LH
D22	8	★	C-4	R10	Rear wiring harness
D23	2	Black	C-4		Rear door speaker LH
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 (Without double lock)
	6	Black			Rear door lock actuator LH (With double lock)
D28	8	★	B-3	R13	Rear wiring harness
D29	2	Black	B-3		Rear door speaker RH
D30	2	Green	B-3		Rear power window motor RH
D31	5	★	B-3		Rear power window sub switch RH
D32	2	Gray	B-3		Rear door lock actuator RH (Without double lock)
	6	Black			Rear door lock actuator RH (With double lock)
D72	2	Gray	B-3		Front door lock actuator RH (Without double lock)
	6	Black			Front door lock actuator RH (With double lock)
D82	3	Brown	B-3		Door key switch
D83	25	★	B-1	i76	Instrument panel wiring harness (Without double lock)
	28	★			Instrument panel wiring harness (With double lock)
D84	25	★	C-3	i101	Instrument panel wiring harness
D92	2	★	B-2		Front squawker RH
D93	2	★	B-2		Front door tweeter RH
D94	10	Green	B-2		Joint connector RH (Model with McIntosh)
D96	2	★	C-3		Front squawker LH
D97	2	★	C-3		Front door tweeter LH
D98	10	Green	C-3		Joint connector LH (Model with McIntosh)
★: Non-colored					

Door Cord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D7
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D93
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D82
D72
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D12
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D96
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D22
WI-04316

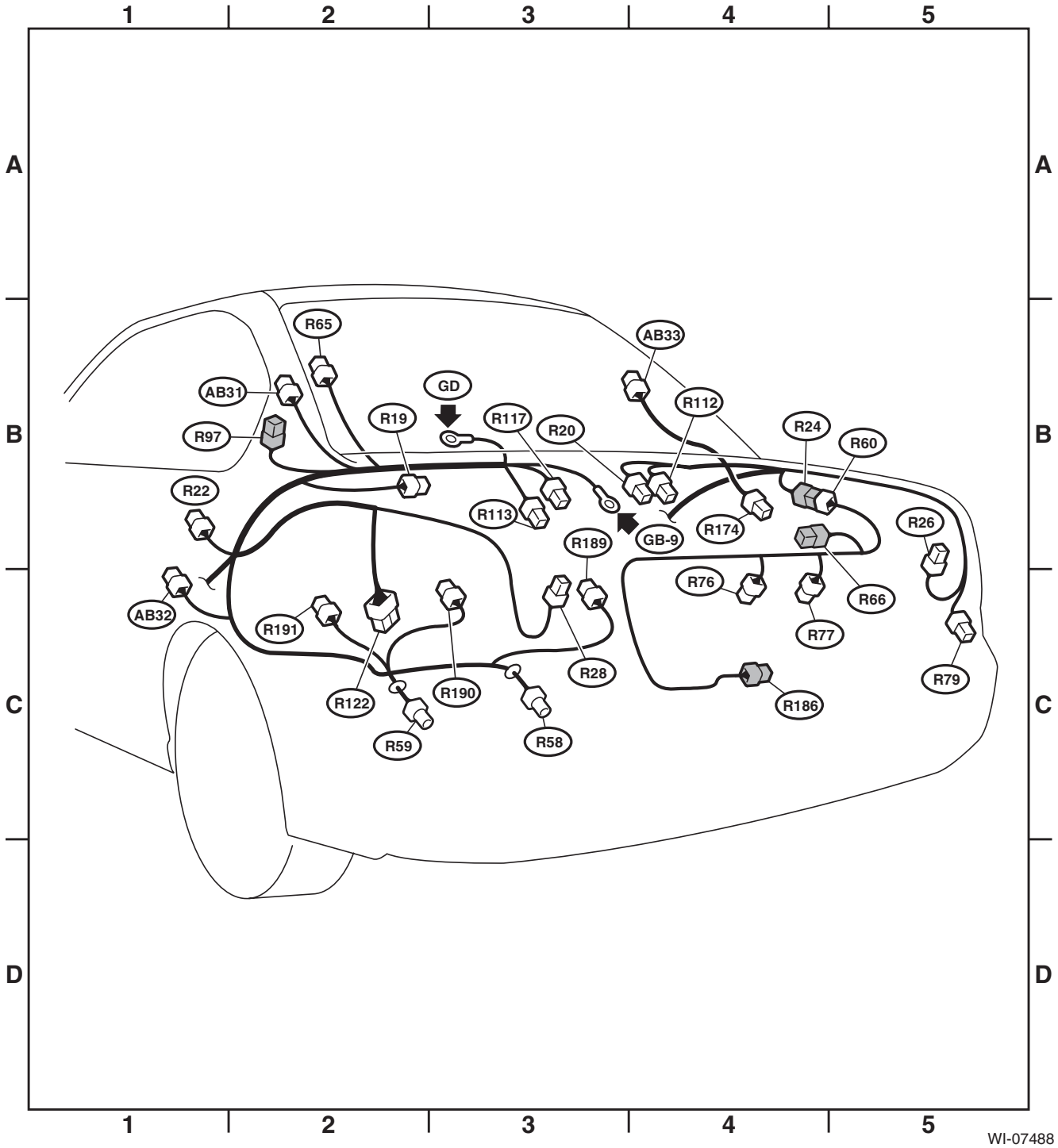
60.Rear Wiring Harness and Trunk Lid Cord

A: LOCATION

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
R19	2	★	B-2		High-mounted stop light (Sedan)
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
R58	6	Gray	C-3		Fuel gauge main module and fuel pump
R59	2	Gray	C-2		Fuel gauge sub module
R60	8	★	B-4	R24	Rear wiring harness
R65	1	Black	B-2		Rear defogger
R66	2	★	B-4		High-mounted stop light (Rear spoiler)
R76	2	★	C-4		License plate light LH
R77	2	★	C-4		License plate light RH
R79	10	★	B-2		Trailer connector
R97	1	★	B-2		Antenna amplifier
R112	2	★	B-4		TV antenna amplifier RH
R113	2	★	B-3		TV antenna amplifier LH
R117	2	★	B-3		Sub woofer (Model with McIntosh)
R122	10	Black	C-2		Fuel pump control module
R174	1	★	B-4		Rear defogger
R186	3	★	C-4		Trunk lock actuator
R189	2	★	C-3		Rear seat belt switch RH
R190	3	★	C-3		Rear seat belt switch center
R191	2	★	C-2		Rear seat belt switch LH
★: Non-colored					

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

Rear Wiring Harness and Trunk Lid Cord



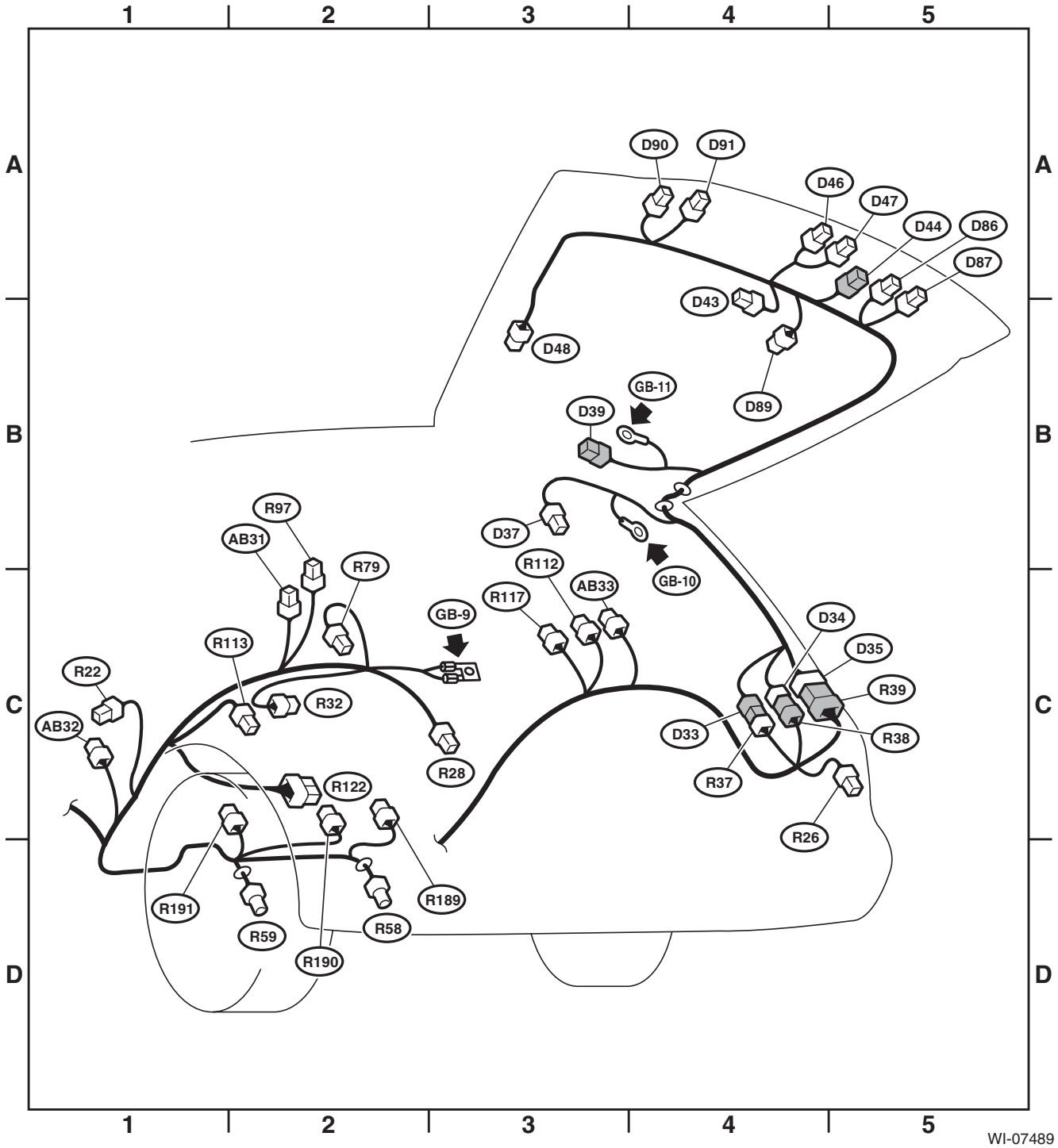
61.Rear Wiring Harness and Rear Gate Cord

A: LOCATION

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
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		Luggage room power supply
R37	3	★	C-4	D33	Rear gate cord
R38	8	★	C-4	D34	
R39	10	★	C-4	D35	
R58	6	Gray	D-2		Fuel gauge main module and fuel pump
R59	2	Gray	D-2		Fuel gauge sub module
R79	10	★	C-2		Trailer connector
R97	1	★	C-2		Antenna amplifier
R112	2	★	C-3		TV antenna amplifier RH
R113	2	★	C-2		TV antenna amplifier LH
R117	2	★	C-3		Sub woofer (Model with McIntosh)
R122	10	Black	C-2		Fuel pump control module
R189	2	★	C-2		Rear seat belt switch RH
R190	3	★	C-2		Rear seat belt switch center
R191	2	★	C-2		Rear seat belt switch LH
★: Non-colored					

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
D33	3	★	C-4	R37	Rear wiring harness
D34	8	★	C-4	R38	
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	B-4		Rear gate latch switch
D47	2	Gray	A-5		Rear gate lock actuator
D48	1	Black	B-3		Rear defogger
D86	2	★	A-5		Rear fog light RH
D87	2	★	A-5		Back-up light RH
D89	1	★	B-4		Rear defogger
D90	2	★	A-4		Rear fog light LH
D91	2	★	A-4		Back-up light LH
★: Non-colored					

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
AB31	2	Yellow	C-2	AB39	Airbag module LH (Curtain)
AB32	4	Yellow	C-1		Curtain airbag sensor LH
AB33	2	Yellow	C-3	AB40	Airbag module RH (Curtain)
★: Non-colored					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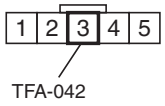
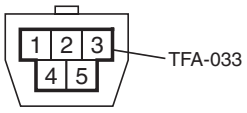
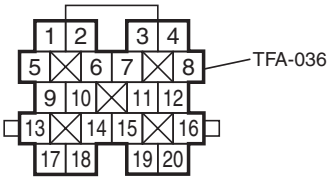
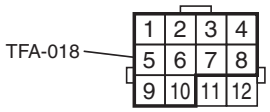
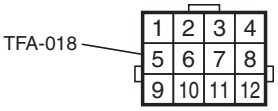
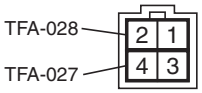
D90
D91
D46
D47
D44
D86
D87
D43
D48
D89
GB-11
D39
R97
AB31
R79
D37
R112
AB33
GB-10
R117
GB-9
D34
D35
R113
R39
R22
R32
AB32
D33
R38
R28
R37
R122
R26
R191
R189
R59
R58
R190
WI-07489

62.Harness Repair Kit

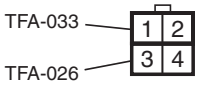
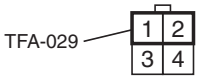
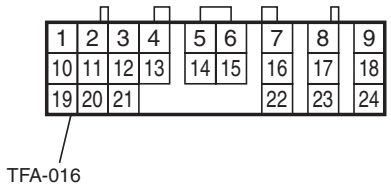
A: SPECIFICATION

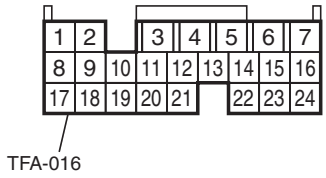
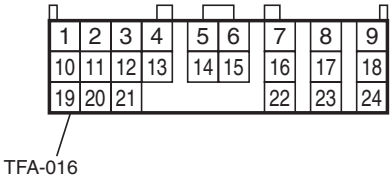
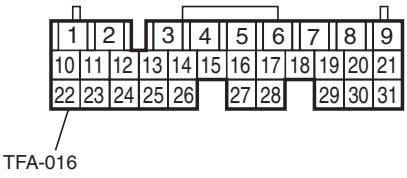
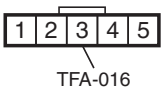
1. ADAPTATION TABLE

Connector No.	Adaptive repair kit	Terminal No.	Harness repair kit No.
B3	 WI-04674	3	TFA-042
		1, 2, 4, 5	Not available
B6	WI-04675	All	TFA-021
B8	 WI-04676	All	TFA-033
B11	 WI-04677	All	TFA-036

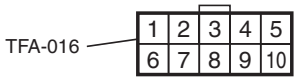
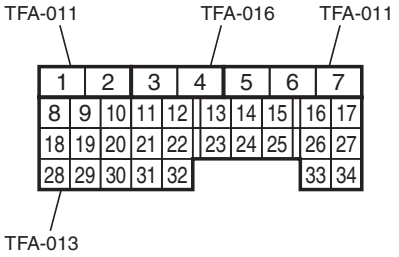
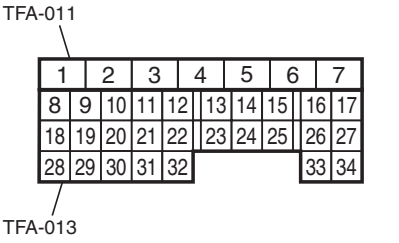
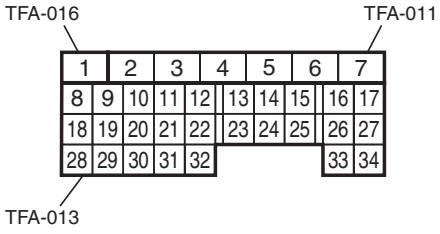
Connector No.	Adaptive repair kit	Terminal No.	Harness repair kit No.
B12 (2.0L model and 2.5L KS, KA AT model)	 WI-04678	1 — 10	TFA-018
		11, 12	Not available
B12 (2.5L EC, K4, EK AT model)	 WI-04679	All	TFA-018
B15	 WI-04675	All	TFA-021
B19 (2.0L model and 2.5L KS, KA model)	 WI-04680	1, 2	TFA-028
		3, 4	TFA-027

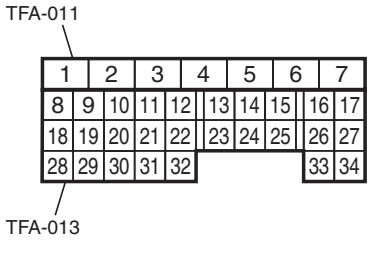
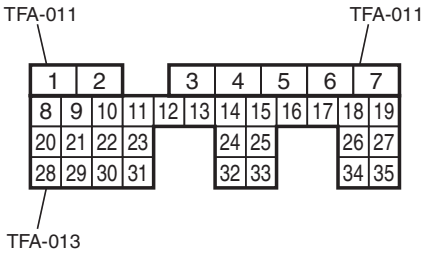
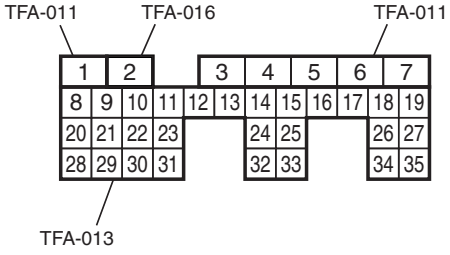
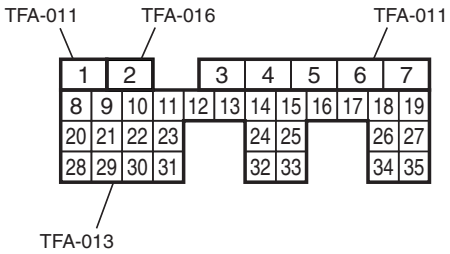
Harness Repair Kit

Connector No.	Adaptive repair kit	Terminal No.	Harness repair kit No.
B19 (2.5L EC, K4, EK model)	 WI-04681	1, 2	TFA-033
		3, 4	TFA-026
B19 (Turbo model)	 WI-04682	1, 2	TFA-029
		3, 4	Not available
B29	 WI-04683	All	TFA-018
B54 (5AT model)	 WI-04684	All	TFA-016

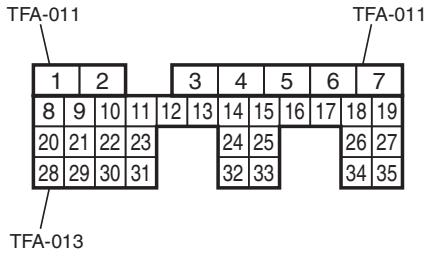
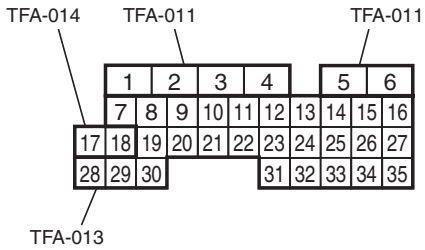
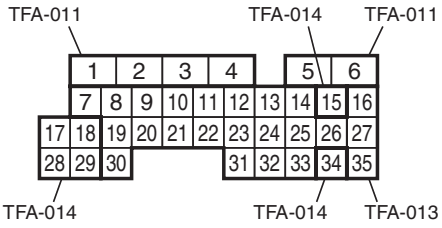
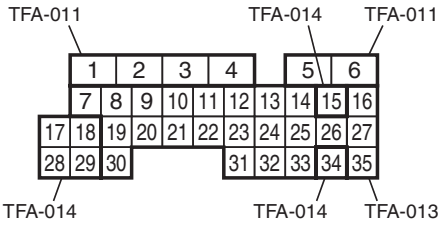
Connector No.	Adaptive repair kit	Terminal No.	Harness repair kit No.
B54 (4AT model)	 WI-04686	All	TFA-016
B55 (5AT model)	 WI-04685	All	TFA-016
B55 (4AT model)	 WI-04687	All	TFA-016
B77 (Model with Auto A/C)	 WI-04688	All	TFA-016

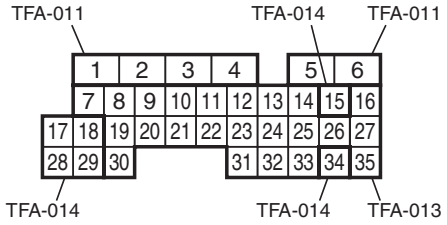
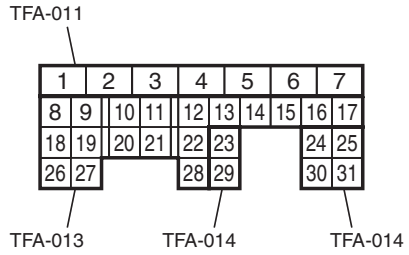
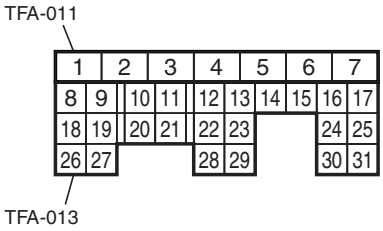
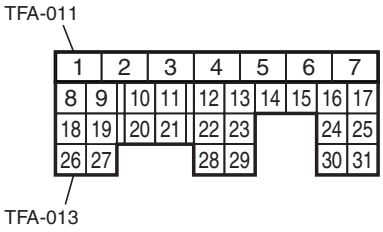
Harness Repair Kit

Connector No.	Adaptive repair kit	Terminal No.	Harness repair kit No.
B77 (Model with manual A/C)	 WI-04689	All	TFA-016
B134 (2.0L model and 2.5L KS, KA model)	 WI-04690	1, 2, 5 — 7 8 — 34 3, 4	TFA-011 TFA-013 TFA-016
B134 (2.5L EC, K4, EK model)	 WI-04694	1 — 7 8 — 34	TFA-011 TFA-013
B134 (Turbo model)	 WI-04698	2 — 7 8 — 34 1	TFA-011 TFA-013 TFA-016

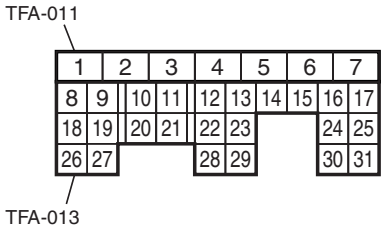
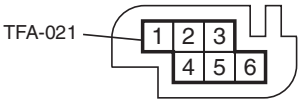
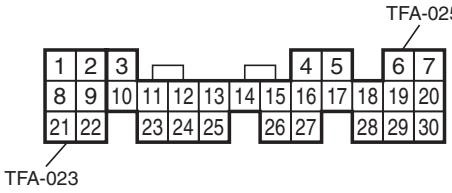
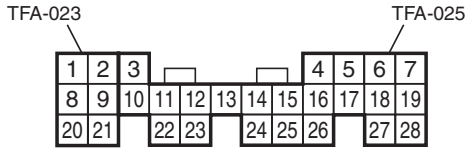
Connector No.	Adaptive repair kit	Terminal No.	Harness repair kit No.
B134 (3.0L model)	 WI-04694	1 — 7 8 — 34	TFA-011 TFA-013
B135 (2.0L model and 2.5L KS, KA model)	 WI-04691	1 — 7 8 — 35	TFA-011 TFA-013
B135 (2.5L EC, K4, EK model)	 WI-04695	1, 3 — 7 8 — 35 2	TFA-011 TFA-013 TFA-016
B135 (Turbo model)	 WI-04695	1, 3 — 7 8 — 35 2	TFA-011 TFA-013 TFA-016

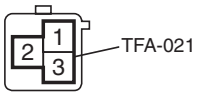
Harness Repair Kit

Connector No.	Adaptive repair kit	Terminal No.	Harness repair kit No.
B135 (3.0L model)	 WI-04691	1 — 7 8 — 35	TFA-011 TFA-013
B136 (2.0L model and 2.5L KS, KA model)	 WI-04692	1 — 6 7 — 16, 19 — 35 17, 18	TFA-011 TFA-013 TFA-014
B136 (2.5L EC, K4, EK model)	 WI-04696	1 — 6 7 — 14, 16, 19 — 27, 30 — 33, 35 15, 17, 18, 28, 29, 34	TFA-011 TFA-013 TFA-014
B136 (Turbo model)	 WI-04696	1 — 6 7 — 14, 16, 19 — 27, 30 — 33, 35 15, 17, 18, 28, 29, 34	TFA-011 TFA-013 TFA-014

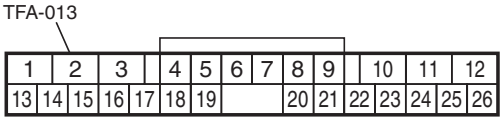
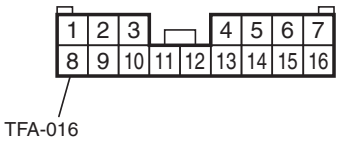
Connector No.	Adaptive repair kit	Terminal No.	Harness repair kit No.
B136 (3.0L model)	 WI-04696	1 — 6	TFA-011
		7 — 14, 16, 19 — 27, 30 — 33, 35	TFA-013
		15, 17, 18, 28, 29, 34	TFA-014
B137 (2.0L model and 2.5L KS, KA model)	 WI-04693	1 — 7	TFA-011
		8 — 22, 26 — 28	TFA-013
		23 — 25, 29 — 31	TFA-014
B137 (2.5L EC, K4, EK model)	 WI-04697	1 — 7	TFA-011
		8 — 31	TFA-013
B137 (Turbo model)	 WI-04697	1 — 7	TFA-011
		8 — 31	TFA-013

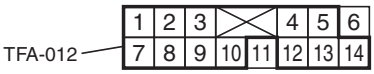
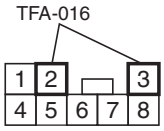
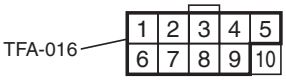
Harness Repair Kit

Connector No.	Adaptive repair kit	Terminal No.	Harness repair kit No.
B137 (3.0L model)	 WI-04697	1 — 7 8 — 31	TFA-011 TFA-013
B230	 WI-04700	All	TFA-021
B280	 WI-04701	1, 2, 8, 9, 21, 22 3 — 7, 10 — 20, 23 — 30	TFA-023 TFA-025
B281	 WI-04702	1, 2, 8, 9, 20, 21 3 — 7, 10 — 19, 22 — 28	TFA-023 TFA-025

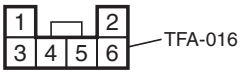
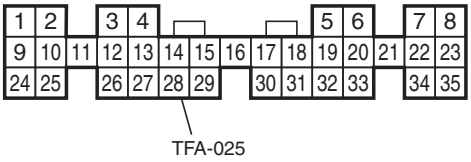
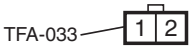
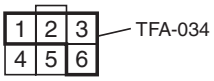
Connector No.	Adaptive repair kit	Terminal No.	Harness repair kit No.
B292	WI-04703	All	TFA-012
B318	WI-04705	All	TFA-016
B348	 WI-07879	All	TFA-021
B350	WI-04705	All	TFA-016

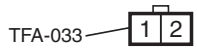
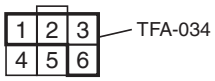
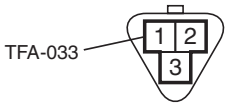
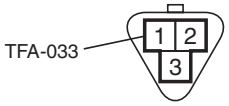
Harness Repair Kit

Connector No.	Adaptive repair kit	Terminal No.	Harness repair kit No.
B351	WI-04707	All	TFA-012
B359	WI-04708	1	TFA-026
		2, 3	TFA-033
B366	 WI-04709	All	TFA-013
i6	 WI-04710	All	TFA-016

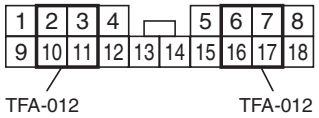
Connector No.	Adaptive repair kit	Terminal No.	Harness repair kit No.
i23	WI-04711	All	TFA-016
i26	 WI-04712	1 — 5, 7 — 10, 12 — 14	TFA-012
		6, 11	Not available
i39	 WI-04713	2, 3	TFA-016
		1, 4 — 8	Not available
i59	 WI-04714	1 — 9	TFA-016
		10	Not available

Harness Repair Kit

Connector No.	Adaptive repair kit	Terminal No.	Harness repair kit No.
i79	 WI-04715	All	TFA-016
i84	 WI-04716	All	TFA-025
F6	 WI-04717	All	TFA-033
F7	 WI-04718	1 — 3, 6 4, 5	TFA-034 Not available

Connector No.	Adaptive repair kit	Terminal No.	Harness repair kit No.
F21	 WI-04717	All	TFA-033
F23	 WI-04718	1 — 3, 6	TFA-034
		4, 5	Not available
F58	 WI-04719	All	TFA-033
F59	 WI-04719	All	TFA-033

Harness Repair Kit

Connector No.	Adaptive repair kit	Terminal No.	Harness repair kit No.
R110	 WI-04720	2, 3, 6, 7, 10, 11, 16, 17	TFA-012
		1, 4, 5, 8, 9, 12 — 15, 18	Not available