

### 1. Basic Diagnostic Procedure

#### A: BASIC PROCEDURES

##### 1. GENERAL DESCRIPTION

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

##### 2. IDENTIFICATION OF TROUBLE SYMPTOM

Determine what the problem is based on the symptom.

##### 3. PROBABLE CAUSE OF TROUBLE

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

##### 4. LOCATION AND REPAIR OF TROUBLE

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

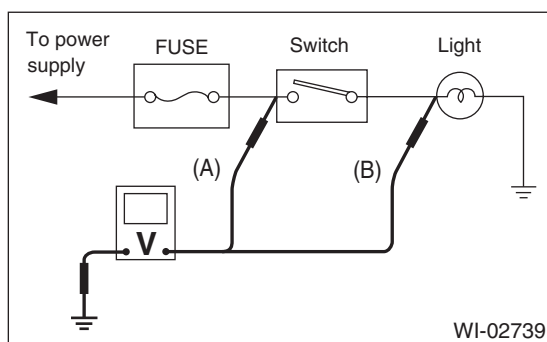
##### 5. SYSTEM OPERATION CHECK

After repairing, ensure that the system operates properly.

#### B: BASIC INSPECTION

##### 1. VOLTAGE MEASUREMENT

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



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

- 5) The circuit is in good order. If a problem such as a light failing to illuminate occurs, use the procedures outlined above to track down the malfunction.

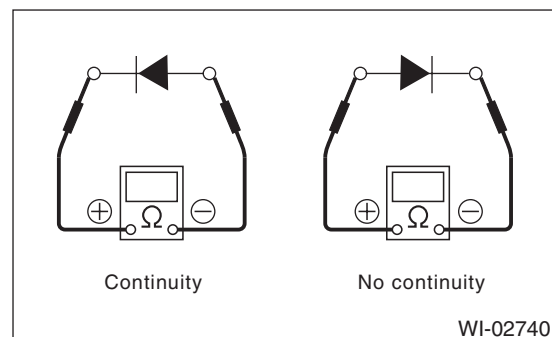
##### 2. CIRCUIT CONTINUITY CHECKS

- 1) Disconnect the battery terminal or connector so there is no voltage between the check points. Contact the two leads of an ohmmeter to each of the check points.

If the circuit has diodes, reverse the two leads and check again.

- 2) Use an ohmmeter to check for diode continuity. When contacting the negative lead to the diode positive side and the positive lead to the negative side, there should be continuity.

When contacting the two leads in reverse, there should be no continuity.



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

| Terminal        | 1 | 2 | 3 | 4 | 5 | 6 |
|-----------------|---|---|---|---|---|---|
| Switch Position |   |   |   |   |   |   |
| OFF             |   |   |   |   |   |   |
| 1               | ○ |   |   |   | ○ | ○ |
| 2               | ○ |   |   | ○ |   | ○ |
| 3               | ○ |   | ○ |   |   | ○ |
| 4               | ○ | ○ |   |   |   | ○ |

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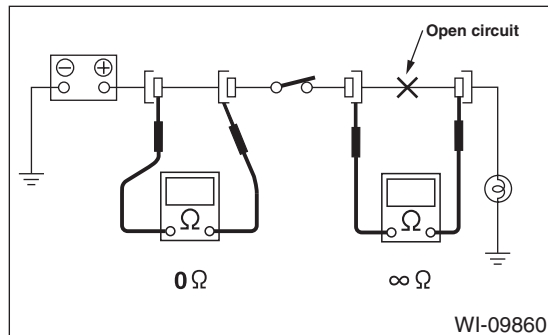
# Basic Diagnostic Procedure

## WIRING SYSTEM

### 3. HOW TO DETERMINE AN OPEN CIRCUIT

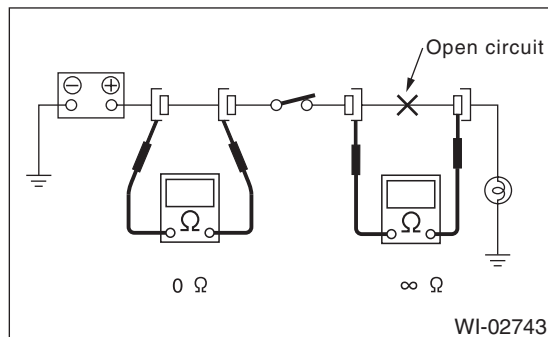
#### 1) WITH VOLTMETER:

An open circuit is determined by measuring the voltage between respective connectors and ground using a voltmeter, starting with the connector closest to the power supply. The power supply must be turned ON so that current flows in the circuit. If voltage is not present between a particular connector and ground, the circuit between that connector and the previous connector is open.



#### 2) WITH OHMMETER:

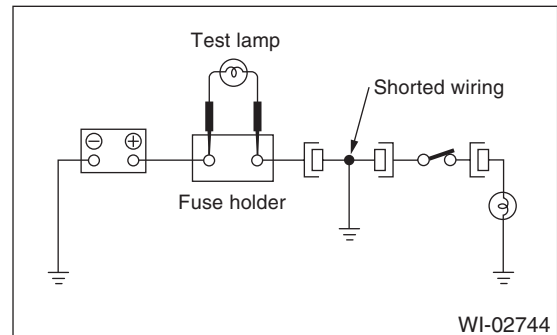
Disconnect all connectors affected, and check continuity in the wiring between adjacent connectors. When the ohmmeter indicates "infinite", the wiring is open.



### 4. HOW TO DETERMINE A SHORT CIRCUIT

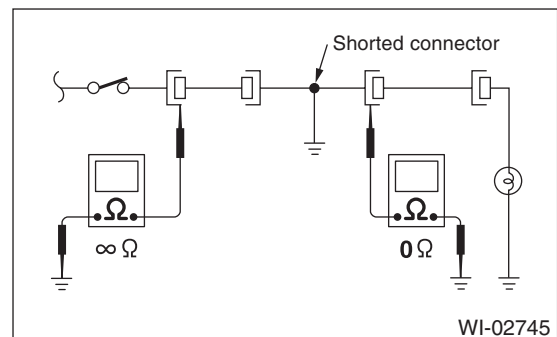
#### 1) WITH TEST LIGHT:

Connect a test light (rated at approx. 3 watts) in place of the blown fuse and allow current to flow through the circuit. Disconnect one connector at a time from the circuit. Starting with the one located farthest from the power supply. If the test light goes out when a connector is disconnected, the wiring between that connector and the next connector (farther from the power supply) is shorted.



#### 2) WITH OHMMETER:

Disconnect all affected connectors, and check continuity between each connector and ground. When the ohmmeter indicates continuity between a particular connector and a ground, that connector is shorted.



### C: HOW TO READ WIRING DIAGRAMS

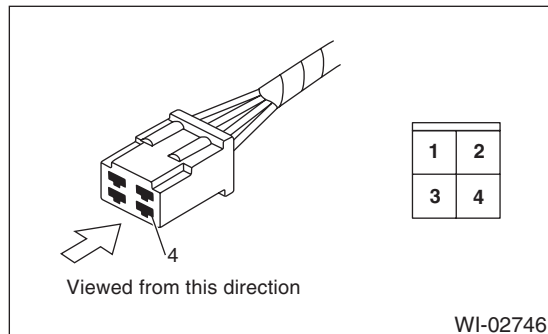
#### 1. WIRING DIAGRAM

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

Sketches and codes are used in the diagrams.

They should read as follows:

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



- The number of poles or pins, presence of a lock are indicated in the sketch of each connector. In the sketch, the highest pole number refers to the number of poles which the connector has. For example, the sketch of the connector shown in figure indicates the connector has 9 poles.

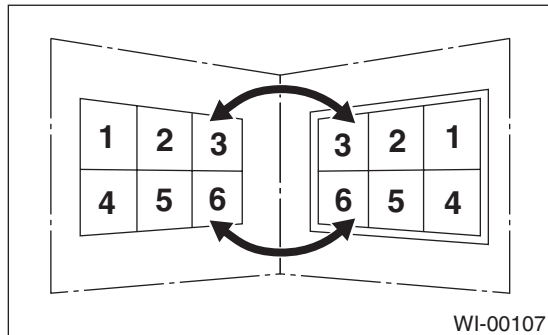
| Connector used in vehicle | Connector shown in wiring diagram                                                               |        |                                                   |
|---------------------------|-------------------------------------------------------------------------------------------------|--------|---------------------------------------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

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# Basic Diagnostic Procedure

## WIRING SYSTEM

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



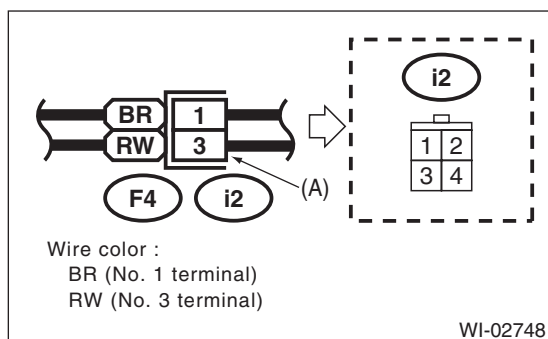
### • WIRING DIAGRAM:

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

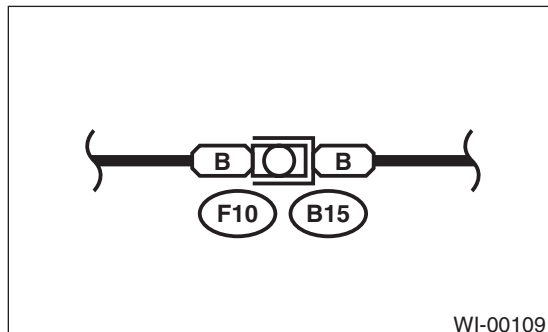
- The sketch of each connector in the wiring diagram usually shows the (A) side of the connector. The relationship between the wire color, terminal number and connector is described in the figure.

### NOTE:

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

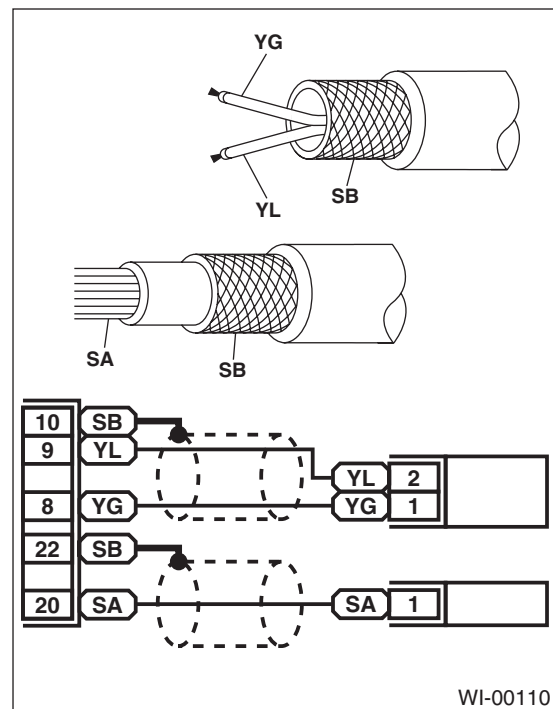


- In the wiring diagram, connectors which have no terminal number refer to one-pole types. Sketches of these connectors are omitted intentionally.

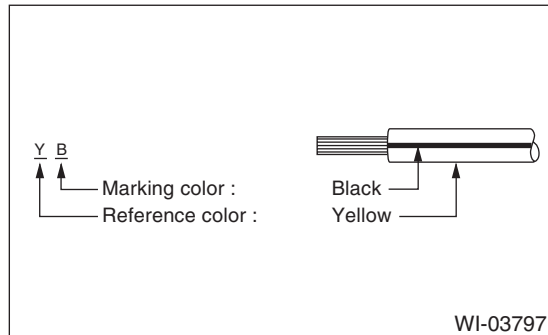


- The following color codes are used to indicate the colors of the wires.

| Color code | Color          |
|------------|----------------|
| L          | Blue           |
| B          | Black          |
| Y          | Yellow         |
| G          | Green          |
| R          | Red            |
| W          | White          |
| Br         | Brown          |
| Lg         | Light green    |
| Gr         | Gray           |
| P          | Pink           |
| Or         | Orange         |
| Sb         | Light blue     |
| V          | 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:

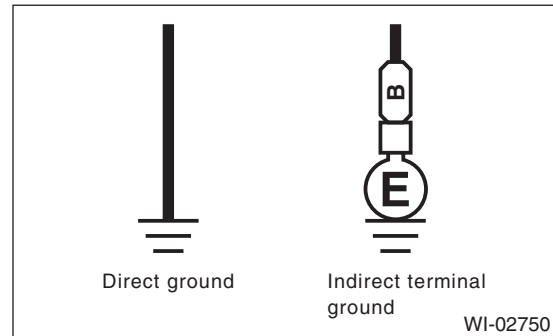
**When replacing or repairing a wire, be sure to use the same size and type of the wire which was originally used.**

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

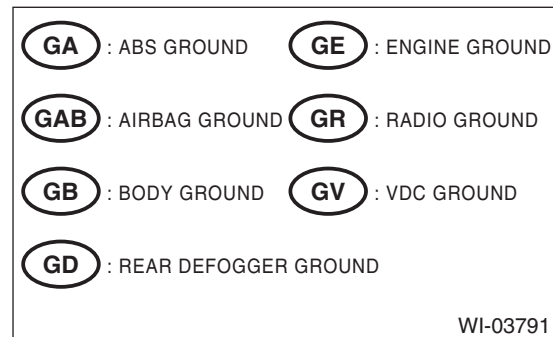
- Each unit is either directly grounded to the body or indirectly grounds through a harness ground terminal. Different symbols are used in the wiring diagram to identify the two grounding systems.



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

### NOTE:

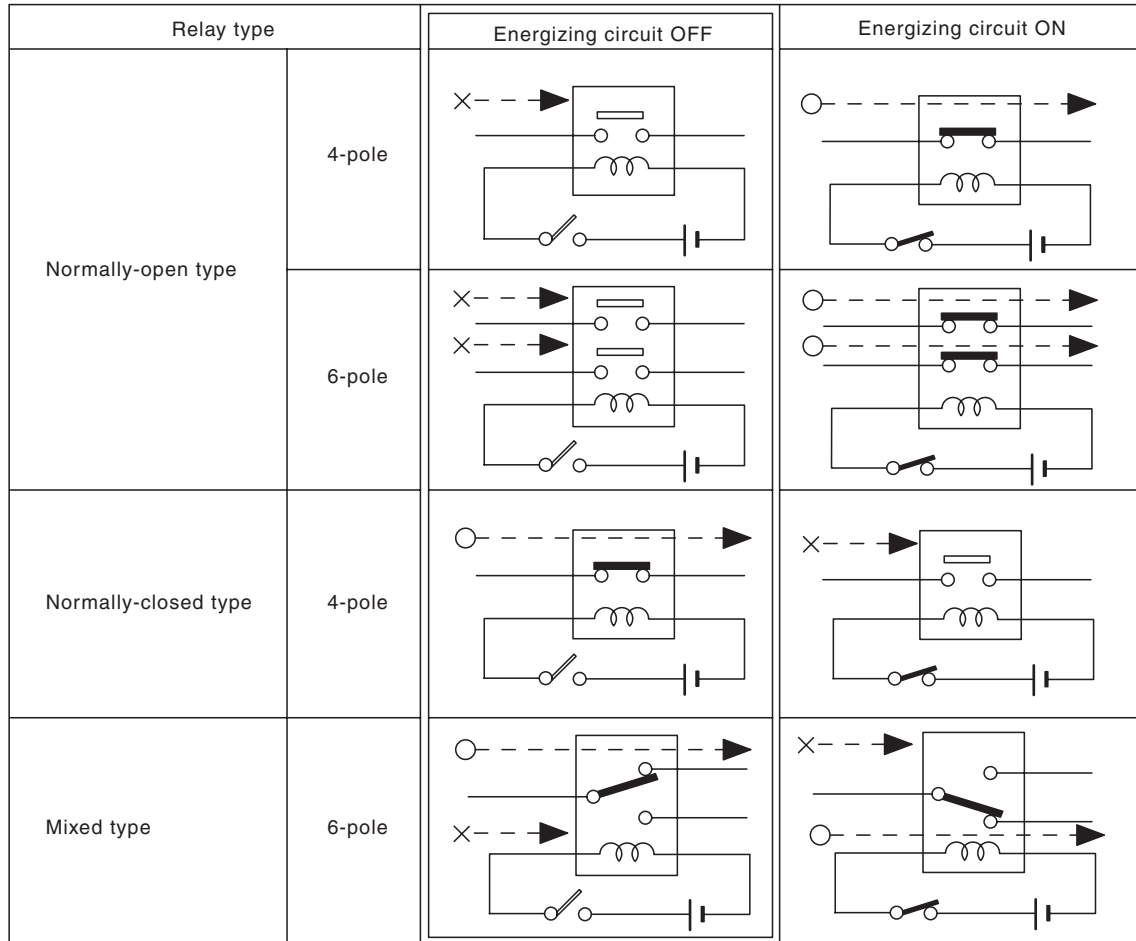
All wiring harnesses are provided with a ground point which should be securely connected.



# Basic Diagnostic Procedure

## WIRING SYSTEM

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



Key to symbols:

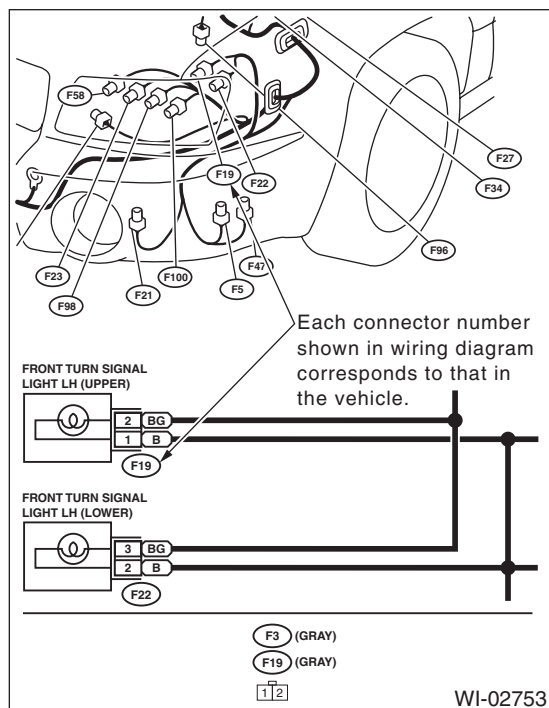
○ —▶ : Current flows.

× —▶ : Current does not flow.

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

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

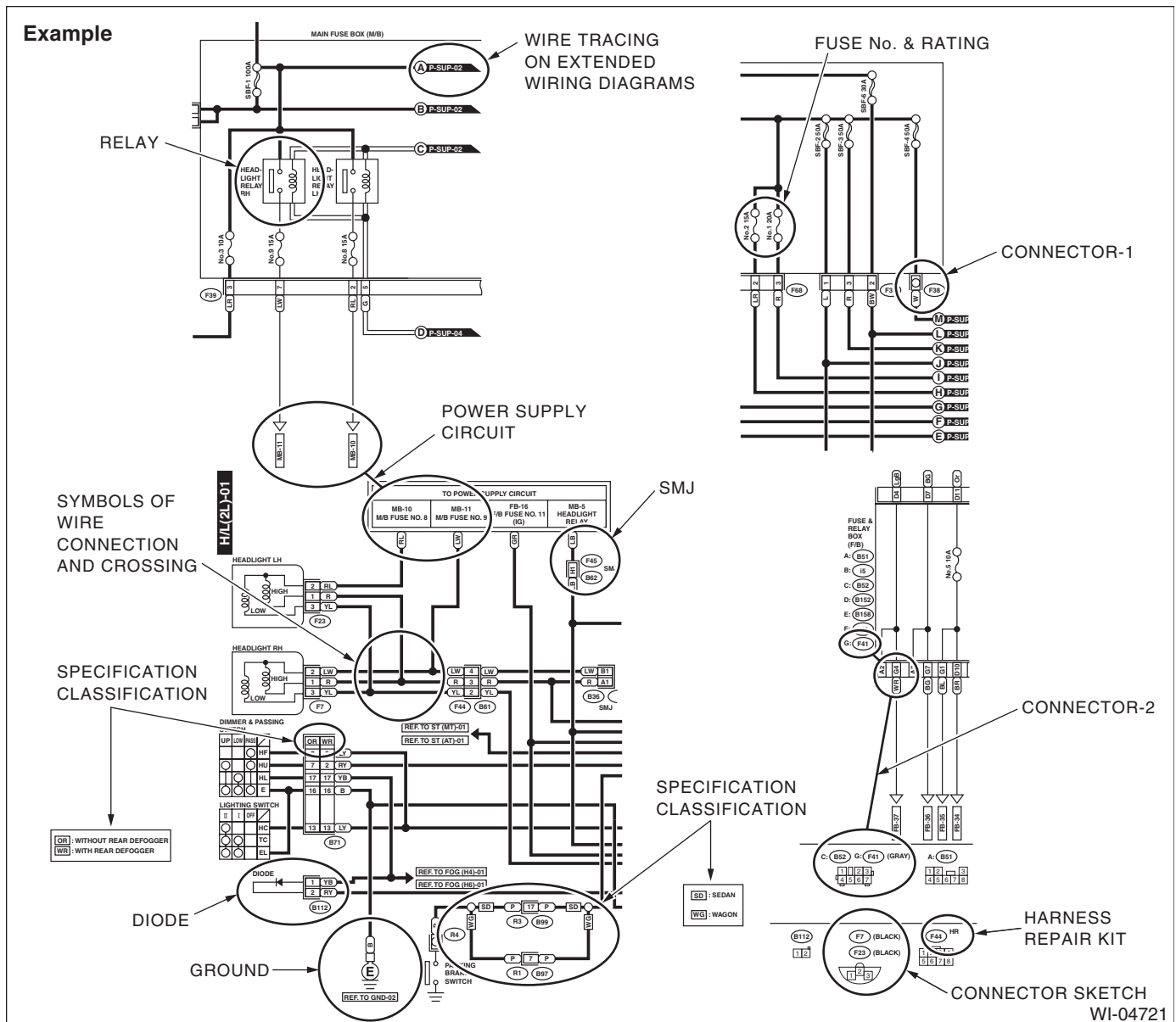


# Basic Diagnostic Procedure

## WIRING SYSTEM

### D: SYMBOLS IN WIRING DIAGRAMS

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



#### 1. RELAY

A symbol used to indicate a relay.

#### 2. CONNECTOR 1

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

#### 3. WIRING CONNECTION

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

#### 4. FUSE No. & RATING

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

#### 5. CONNECTOR 2

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

## 6. CONNECTOR SKETCH

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

## 7. GROUND

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

## 8. DIODE

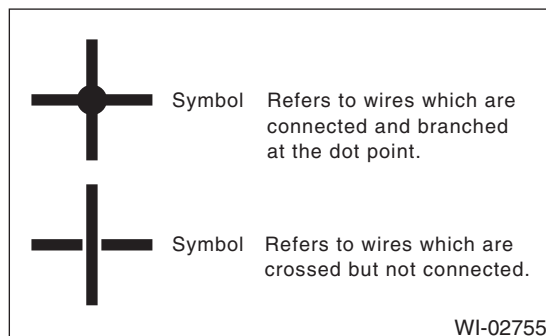
A symbol is used to indicate a diode.

## 9. WIRE TRACING ON EXTENDED WIRING DIAGRAMS

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

A  $\longleftrightarrow$  A, B  $\longleftrightarrow$  B

## 10.SYMBOLS OF WIRE CONNECTION AND CROSSING



## 11.POWER SUPPLY CIRCUIT

A symbol is used to indicate the power supply in each wiring diagram.

“MB-5”, “MB-6”, etc., which are used as power-supply symbols throughout the text, correspond with those shown in the “DC POWER SUPPLY CIRCUIT” in the wiring diagram.

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

## 12.CLASSIFICATION BY SPECIFICATION

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

## 13.HARNESS REPAIR KIT

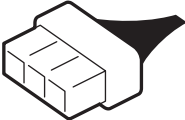
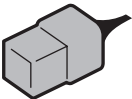
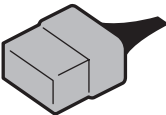
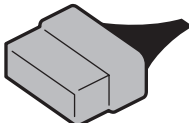
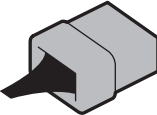
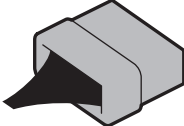
The connector adapting to Harness repair kit is shown as “HR” in the right-upper of connector number. Refer to “Harness Repair Kit” for harness repair kit. <Ref. to WI-207, SPECIFICATION, Harness Repair Kit.>

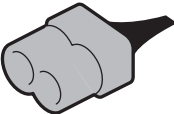
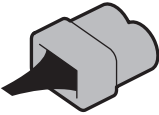
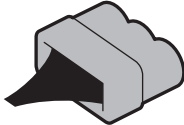
## Basic Diagnostic Procedure

### WIRING SYSTEM

#### E: CONNECTOR SYMBOL IN WIRING HARNESS

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

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

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

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## F: ABBREVIATION IN WIRING DIAGRAMS

| Abbr.   | Full name                        |
|---------|----------------------------------|
| A/B     | Airbag                           |
| A/C     | Air Conditioner                  |
| A/F     | Air/Fuel (Air fuel ratio sensor) |
| ABS     | Anti-lock Brake System           |
| ACC     | Accessory                        |
| AD      | Auto Down                        |
| ADA     | Active Driving Assist            |
| ALT     | Generator                        |
| ASSY    | Assembly                         |
| AT      | Automatic Transmission           |
| ATF     | Automatic Transmission Fluid     |
| AU      | Auto Up                          |
| AWD     | All Wheel Drive                  |
| B, BAT  | Battery                          |
| CAN     | Controller Area Network          |
| CPC     | Canister Purge Control           |
| CPU     | Central Processing Unit          |
| D       | Drive Range                      |
| D, DN   | Down                             |
| E       | Ground                           |
| EBD     | Electric Brake Distribution      |
| ECM     | Engine Control Module            |
| ELR     | Emergency Locking Retractor      |
| F/B     | Fuse & Relay Box                 |
| FL      | Front Left Hand                  |
| FL1.5   | Fusible Link 1.5 mm <sup>2</sup> |
| FR      | Front Right Hand                 |
| FWD     | Front Wheel Drive                |
| G       | Gravity (G sensor)               |
| H/L     | Headlight                        |
| HI      | High                             |
| HID     | High Intensity Discharge         |
| I/F     | Interface                        |
| IG      | Ignition                         |
| Illumi. | Illumination                     |
| INT     | Intermittent                     |
| LCD     | Liquid Crystal Display           |
| LH      | Left Hand                        |
| Lo      | Low                              |
| M       | Motor                            |
| M/B     | Main Fuse Box                    |
| MG      | Magnet                           |
| Mi      | Middle                           |
| MIST    | Wiper mist (One-touch)           |
| MT      | Manual Transmission              |
| N       | Neutral Range                    |
| NA      | Natural Aspiration               |
| NAVI    | Navigation                       |
| OCV     | Oil Flow Control Solenoid Valve  |
| OP      | Optional Parts or Open           |

| Abbr.  | Full name                |
|--------|--------------------------|
| P      | Parking Range            |
| PASS   | Passing                  |
| PCV    | Purge Control Valve      |
| PWM    | Pulse Width Modulation   |
| P-VIGN | P-V Ignition relay       |
| R      | Reverse Range            |
| R, RH  | Right Hand               |
| RES    | Resume                   |
| RL     | Rear Left                |
| RR     | Rear Right               |
| SBF    | Slow Blow Fuse           |
| S/S    | SPORT shift S            |
| ST     | Starter                  |
| SW     | Switch                   |
| TB     | Turbo                    |
| TCM    | AT Control Module        |
| TGV    | Tumble Generator Valve   |
| TPM    | Tire Pressure Monitor    |
| TV     | Television               |
| U, UP  | Up                       |
| VDC    | Vehicle Dynamics Control |
| VVL    | Variable Valve Lift      |
| WASH   | Washer                   |

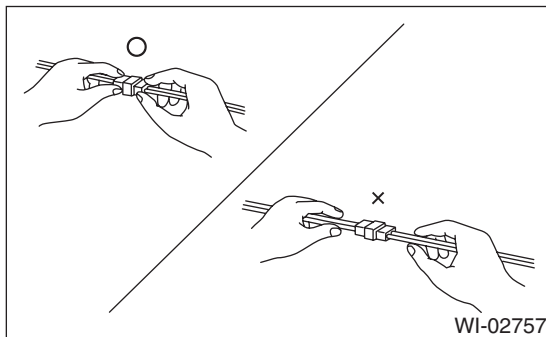
### 2. Working Precautions

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

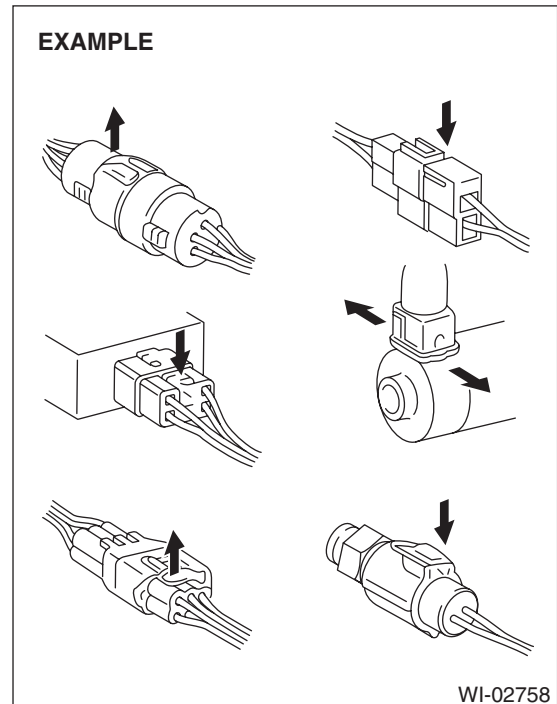
- 1) When working under a vehicle which is jacked-up, always be sure to use rigid rack.
- 2) The parking brake must always be applied during working. Also, in automatic transmission vehicles, keep the select lever set to the P (Parking) range.
- 3) Be sure the workshop is properly ventilated when running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

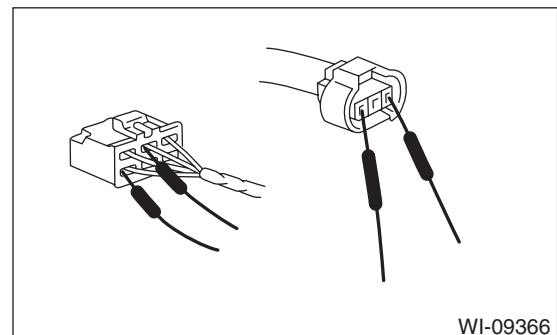


- 5) Some connectors are provided with a lock. One type of such a connector is disconnected by pushing the lock, and the other, by moving the lock up. In either type the lock shape must be identified before attempting to disconnect the connector. To connect, insert the connector until it snaps and confirm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



- 6) When checking continuity between connector terminals, or measuring voltage across the terminal and ground, always contact tester probe(s) on terminals from the wiring connection side. If the probe is too thick to gain access to the terminal, use "mini" test leads.

To check water-proof connectors (which are not measurable from the wiring side), contact test probes on the terminal side. Be careful not to bend or damage the terminals.

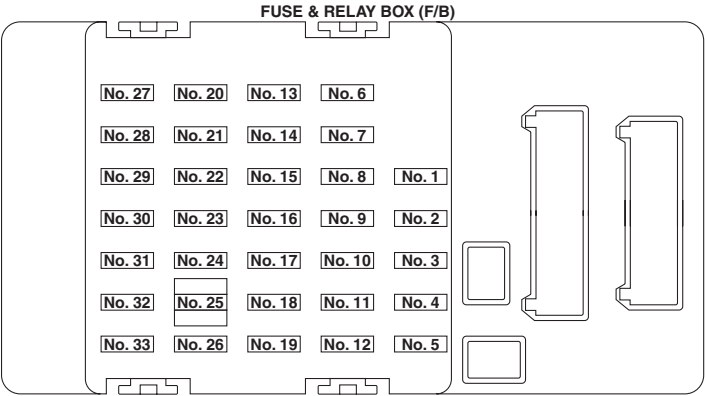
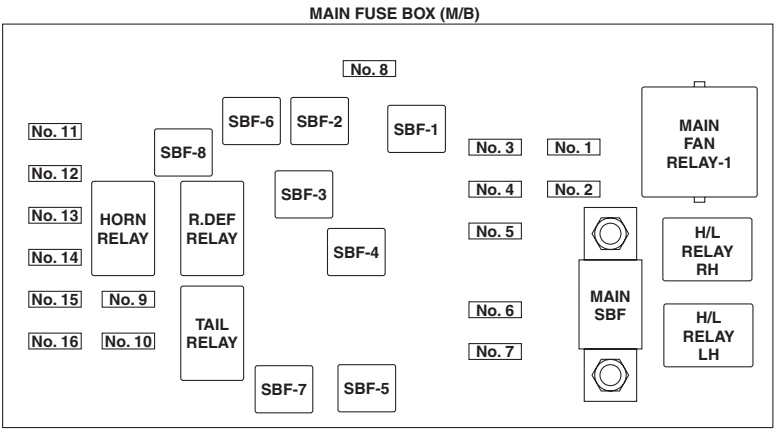


- 7) Sensors, relays, electrical unit, etc., are sensitive to strong impacts. Handle them with care so that they are not dropped or mishandled.

3. Power Supply Circuit  
A: WIRING DIAGRAM

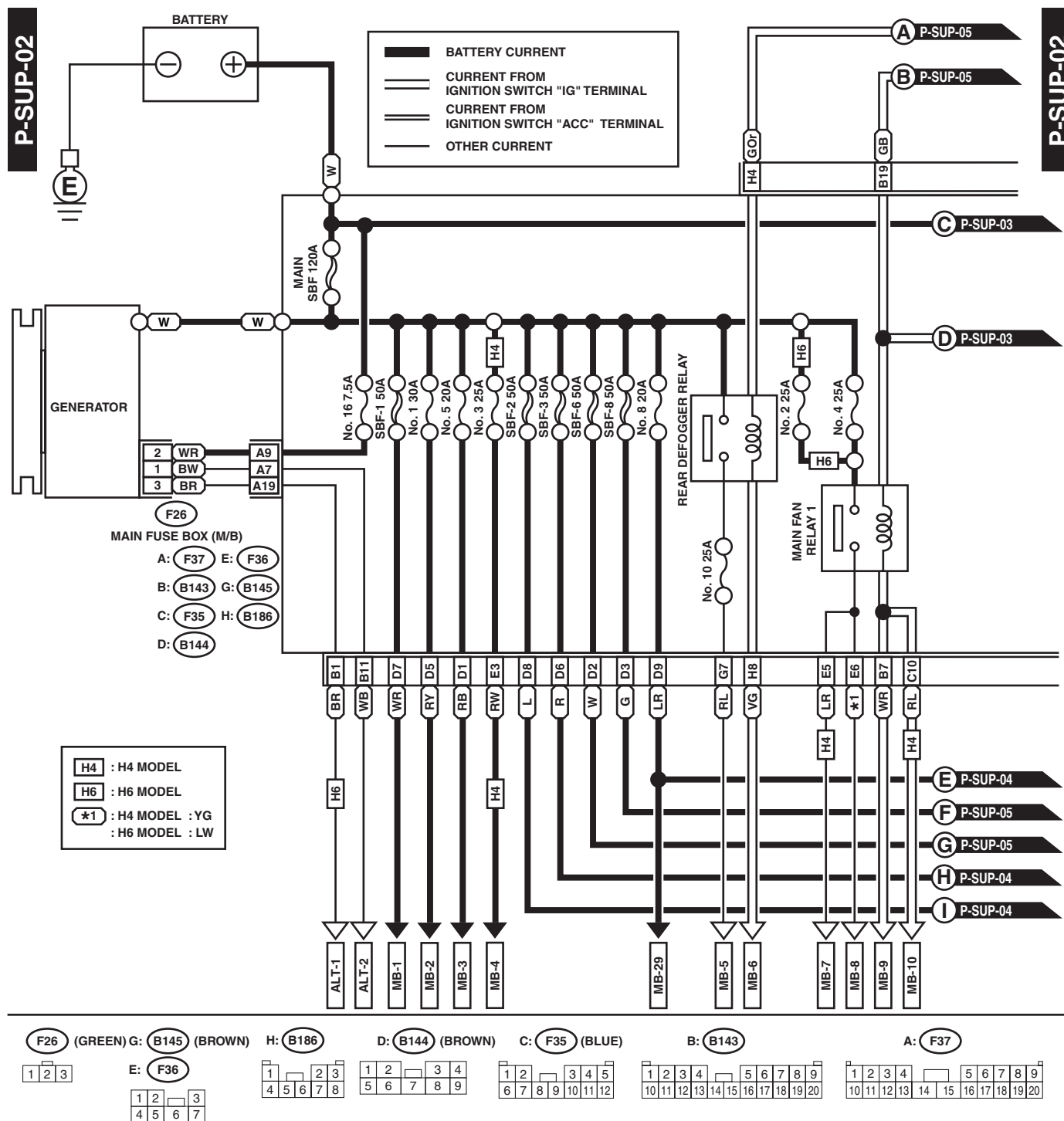
P-SUP-01

P-SUP-01



# Power Supply Circuit

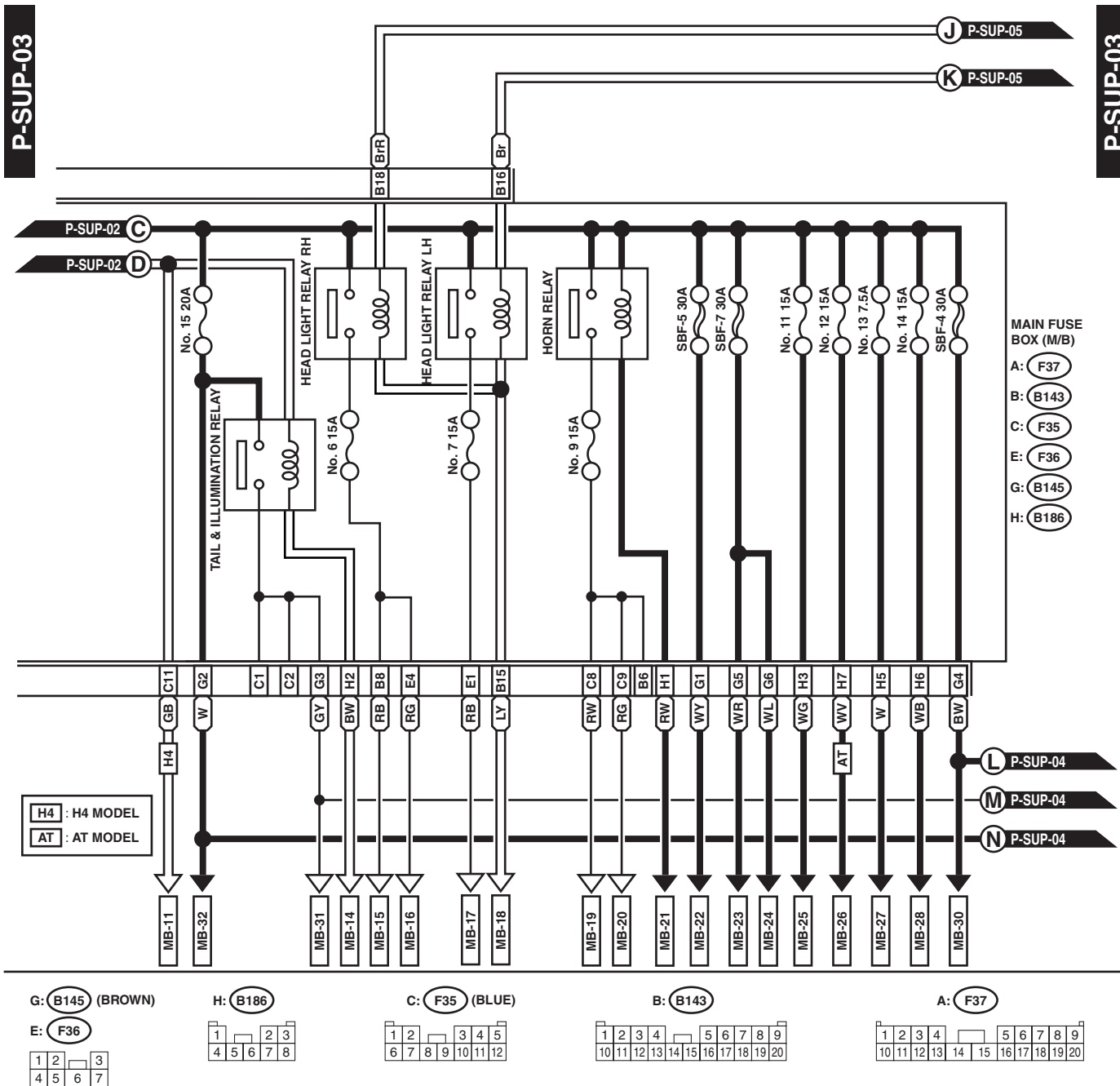
## WIRING SYSTEM



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# Power Supply Circuit

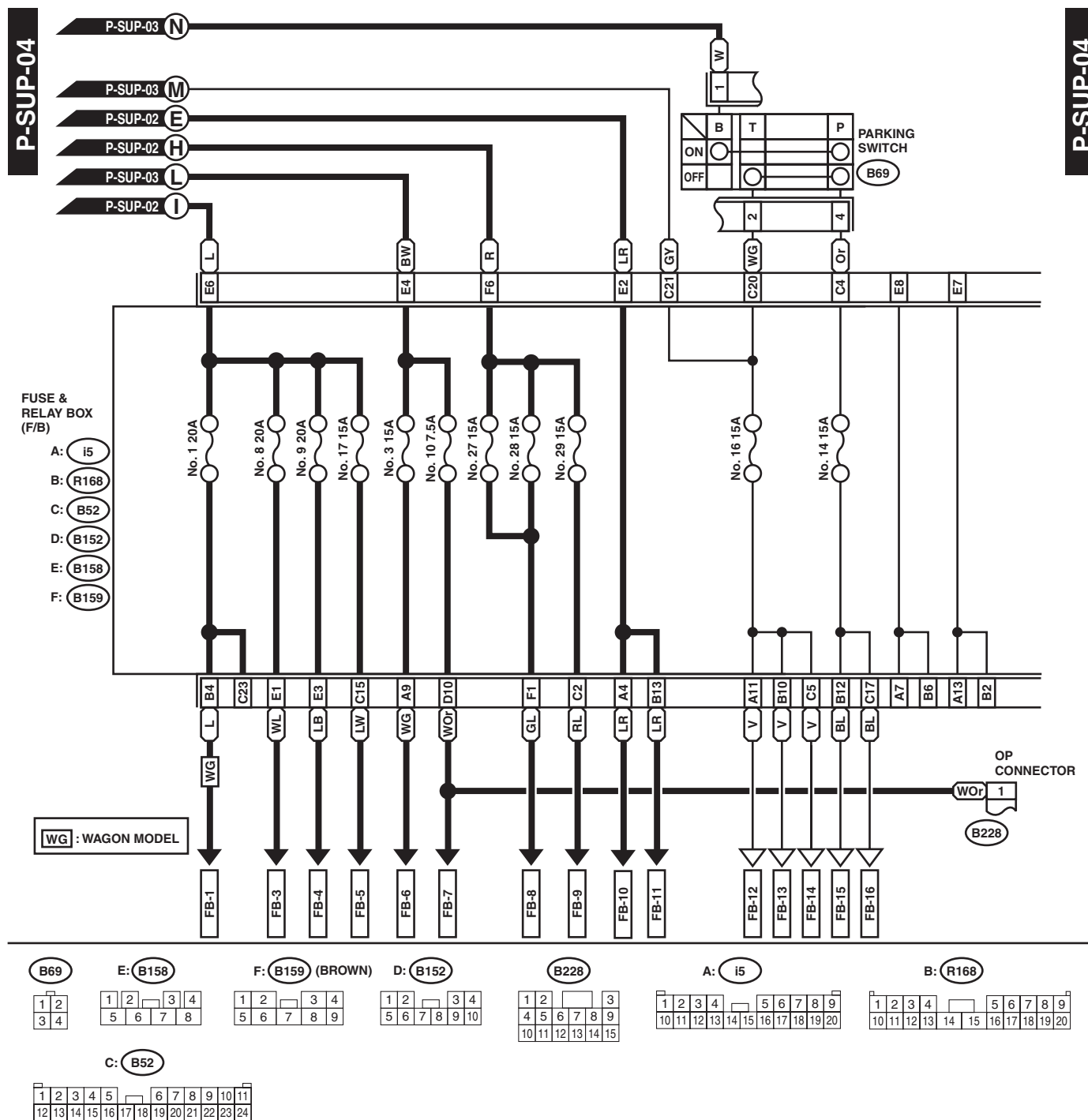
WIRING SYSTEM



WI-09688

# Power Supply Circuit

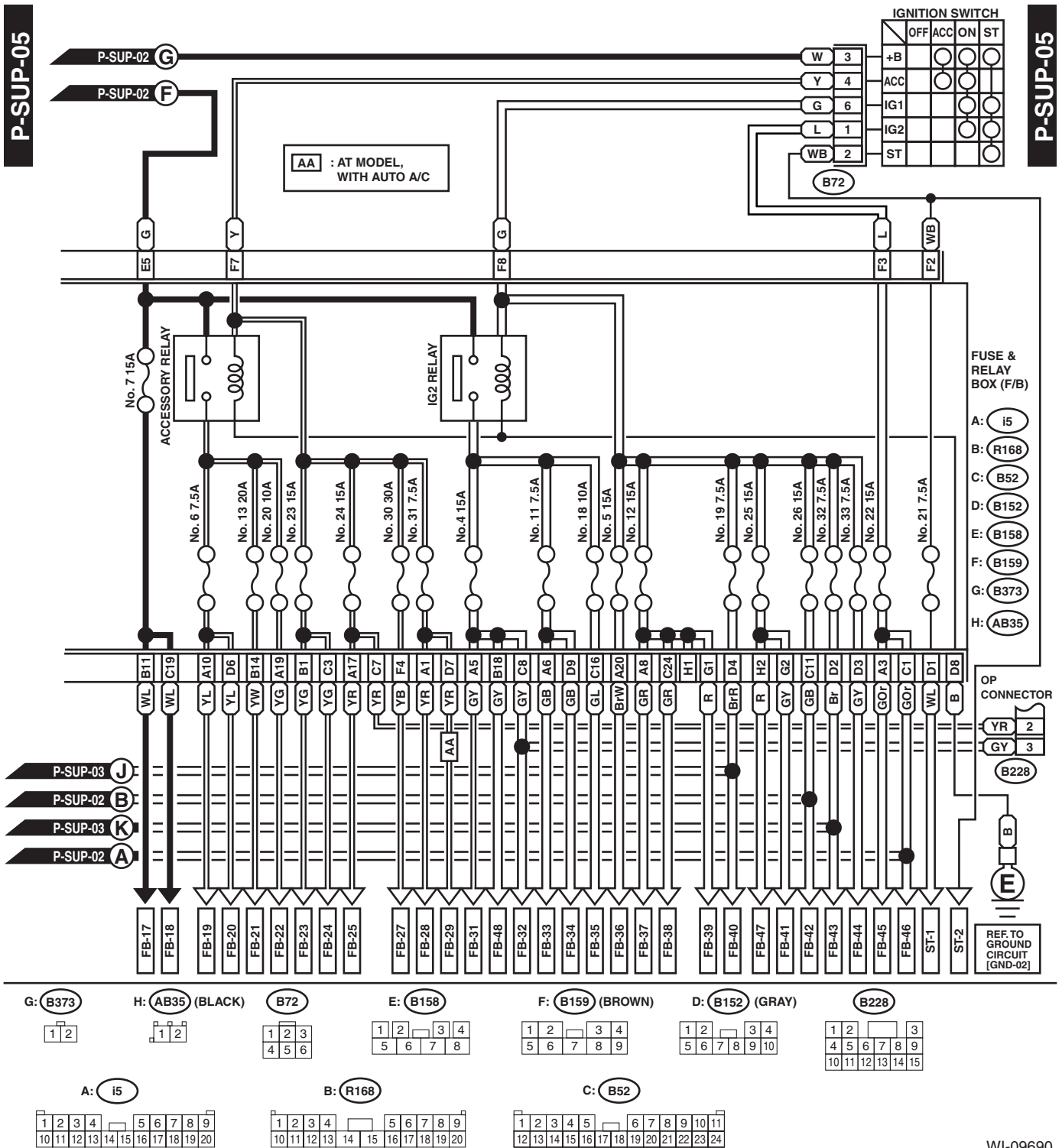
## WIRING SYSTEM



WI-09689

# Power Supply Circuit

WIRING SYSTEM



WI-09690

# Power Supply Circuit

## WIRING SYSTEM

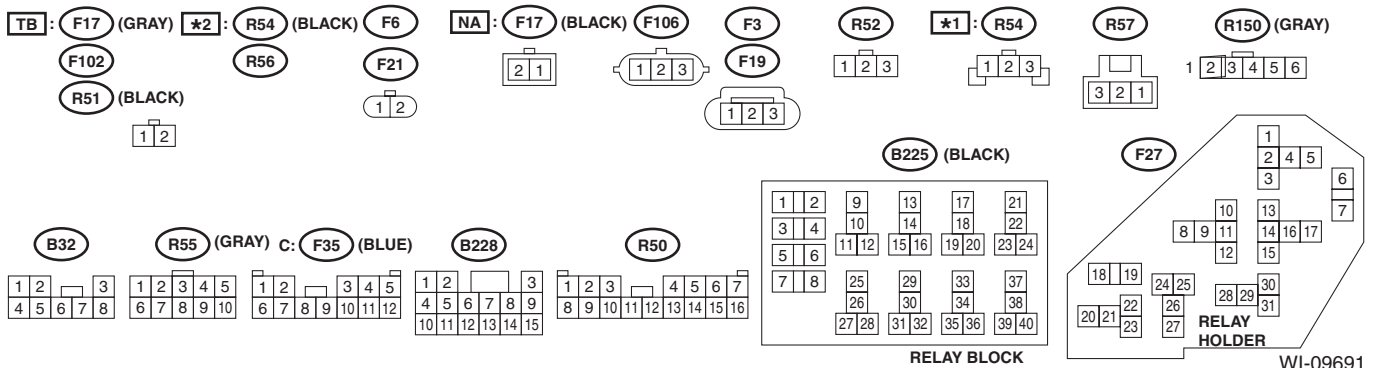
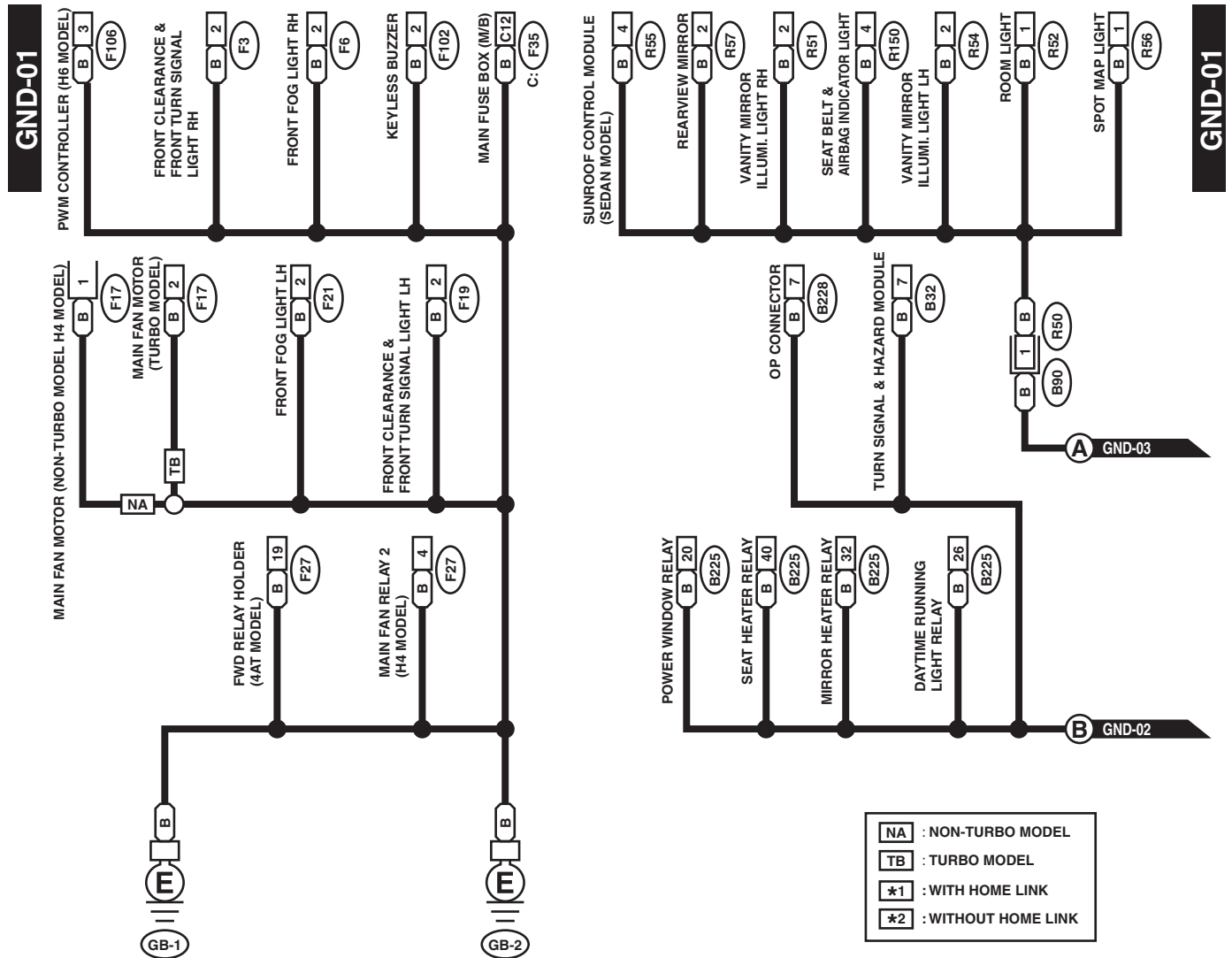
| No.   | Load                                                                                                          |
|-------|---------------------------------------------------------------------------------------------------------------|
| MB-1  | ABS control module<br>VDC control module                                                                      |
| MB-2  | ABS control module<br>VDC control module                                                                      |
| MB-4  | Sub fan relay                                                                                                 |
| MB-5  | A/C control panel<br>Mirror heater relay<br>Rear defogger                                                     |
| MB-6  | Body integrated unit                                                                                          |
| MB-7  | Main fan relay 2                                                                                              |
| MB-8  | PWM controller<br>Main fan motor                                                                              |
| MB-9  | ECM                                                                                                           |
| MB-10 | Main fan relay 2                                                                                              |
| MB-11 | Main fan relay 2                                                                                              |
| MB-14 | OP connector<br>Lighting switch                                                                               |
| MB-15 | Combination meter                                                                                             |
| MB-16 | Headlight RH                                                                                                  |
| MB-17 | Headlight LH                                                                                                  |
| MB-18 | OP connector<br>Daytime running light control module                                                          |
| MB-19 | Horn (HI)                                                                                                     |
| MB-20 | Horn (LO)                                                                                                     |
| MB-21 | Horn switch<br>Body integrated unit                                                                           |
| MB-22 | Oxygen sensor relay<br>Main relay                                                                             |
| MB-23 | Oxygen sensor relay<br>Main relay                                                                             |
| MB-24 | Electronic throttle control relay                                                                             |
| MB-25 | Fuel pump relay                                                                                               |
| MB-26 | TCM                                                                                                           |
| MB-27 | ECM<br>Data link connector                                                                                    |
| MB-28 | Key warning switch<br>Key illumination<br>Key actuator<br>Turn signal and hazard unit<br>Body integrated unit |
| MB-29 | Auto A/C control module<br>Spot map light<br>Body integrated unit<br>Home link<br>Room light                  |
| MB-30 | Power window circuit breaker                                                                                  |
| MB-31 | F/B fuse No. 16                                                                                               |
| MB-32 | Parking light switch                                                                                          |
| ALT-1 | ECM                                                                                                           |
| ST-1  | ECM<br>Starter relay<br>Clutch switch (MT model)                                                              |
| ST-2  | Starter relay                                                                                                 |
| FB-1  | Trailer connector                                                                                             |
| FB-3  | Stop light & brake switch                                                                                     |

| No.   | Load                                                                                                                                                                                                                                      |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| FB-4  | Mirror heater relay<br>Wiper deicer relay                                                                                                                                                                                                 |
| FB-5  | Seat heater relay                                                                                                                                                                                                                         |
| FB-6  | Body integrated unit                                                                                                                                                                                                                      |
| FB-7  | OP connector                                                                                                                                                                                                                              |
| FB-8  | Blower fan relay                                                                                                                                                                                                                          |
| FB-9  | Front fog light relay                                                                                                                                                                                                                     |
| FB-10 | Audio<br>Keyless entry control module<br>Step light LH<br>Step light RH<br>Clock<br>TV monitor                                                                                                                                            |
| FB-11 | Trunk room light (Sedan model)<br>Navigation control module<br>Luggage room light (Wagon model)                                                                                                                                           |
| FB-12 | Clock<br>TV monitor                                                                                                                                                                                                                       |
| FB-13 | Navigation control module<br>Seat heater switch                                                                                                                                                                                           |
| FB-14 | OP connector<br>Lighting switch                                                                                                                                                                                                           |
| FB-17 | TPM control module<br>Impact sensor<br>Combination meter                                                                                                                                                                                  |
| FB-18 | Body integrated unit                                                                                                                                                                                                                      |
| FB-19 | Remote control mirror switch                                                                                                                                                                                                              |
| FB-20 | Seat heater relay<br>Vanity mirror illumination LH<br>Vanity mirror illumination RH                                                                                                                                                       |
| FB-21 | Front accessory power supply socket<br>Rear accessory power supply socket                                                                                                                                                                 |
| FB-22 | Front accessory power supply socket                                                                                                                                                                                                       |
| FB-23 | Rear wiper motor                                                                                                                                                                                                                          |
| FB-24 | Body integrated unit<br>Rear washer motor                                                                                                                                                                                                 |
| FB-25 | Audio<br>Navigation control module<br>Clock<br>TV monitor                                                                                                                                                                                 |
| FB-27 | Front washer motor<br>Front wiper switch<br>Front wiper motor                                                                                                                                                                             |
| FB-28 | Body integrated unit                                                                                                                                                                                                                      |
| FB-29 | TCM<br>Auto A/C control module                                                                                                                                                                                                            |
| FB-31 | TV monitor                                                                                                                                                                                                                                |
| FB-32 | ECM<br>OP connector<br>Clutch switch (MT/Cruise)<br>Sunroof control unit<br>Open/close and tilt switch<br>Seat belt warning light<br>Data link connector<br>Line end check connector<br>Wiper deicer relay<br>Stop light and brake switch |

| No.   | Load                                                                                                                                       |
|-------|--------------------------------------------------------------------------------------------------------------------------------------------|
| FB-33 | Clock                                                                                                                                      |
| FB-34 | Turn signal and hazard unit                                                                                                                |
| FB-35 | Inhibitor switch (4AT model)<br>Daytime running light control module<br>Back-up light switch (MT model)<br>Back-up light relay (5AT model) |
| FB-36 | Combination meter                                                                                                                          |
| FB-37 | Body integrated unit                                                                                                                       |
| FB-38 | ECM<br>P-VIGN relay (5AT model)<br>TCM<br>Ignition coil<br>Fuel pump relay<br>Rear vehicle speed sensor (4AT model)                        |
| FB-39 | Airbag control module                                                                                                                      |
| FB-41 | Airbag control module                                                                                                                      |
| FB-42 | Power window relay                                                                                                                         |
| FB-44 | ABS control module<br>VDC control module                                                                                                   |
| FB-45 | A/C control panel                                                                                                                          |
| FB-46 | A/C relay<br>FRESH/RECIRC actuator<br>Auto A/C control module<br>Sub fan relay<br>Pressure switch<br>Blower fan relay                      |
| FB-47 | Occupant detection control module                                                                                                          |
| FB-48 | TPM control module<br>Impact sensor                                                                                                        |

### 4. Ground Circuit

#### A: WIRING DIAGRAM

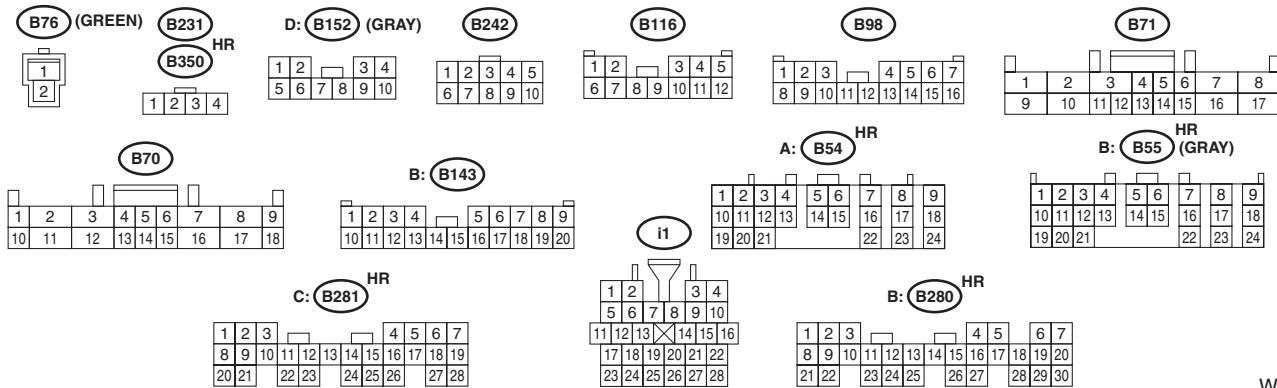
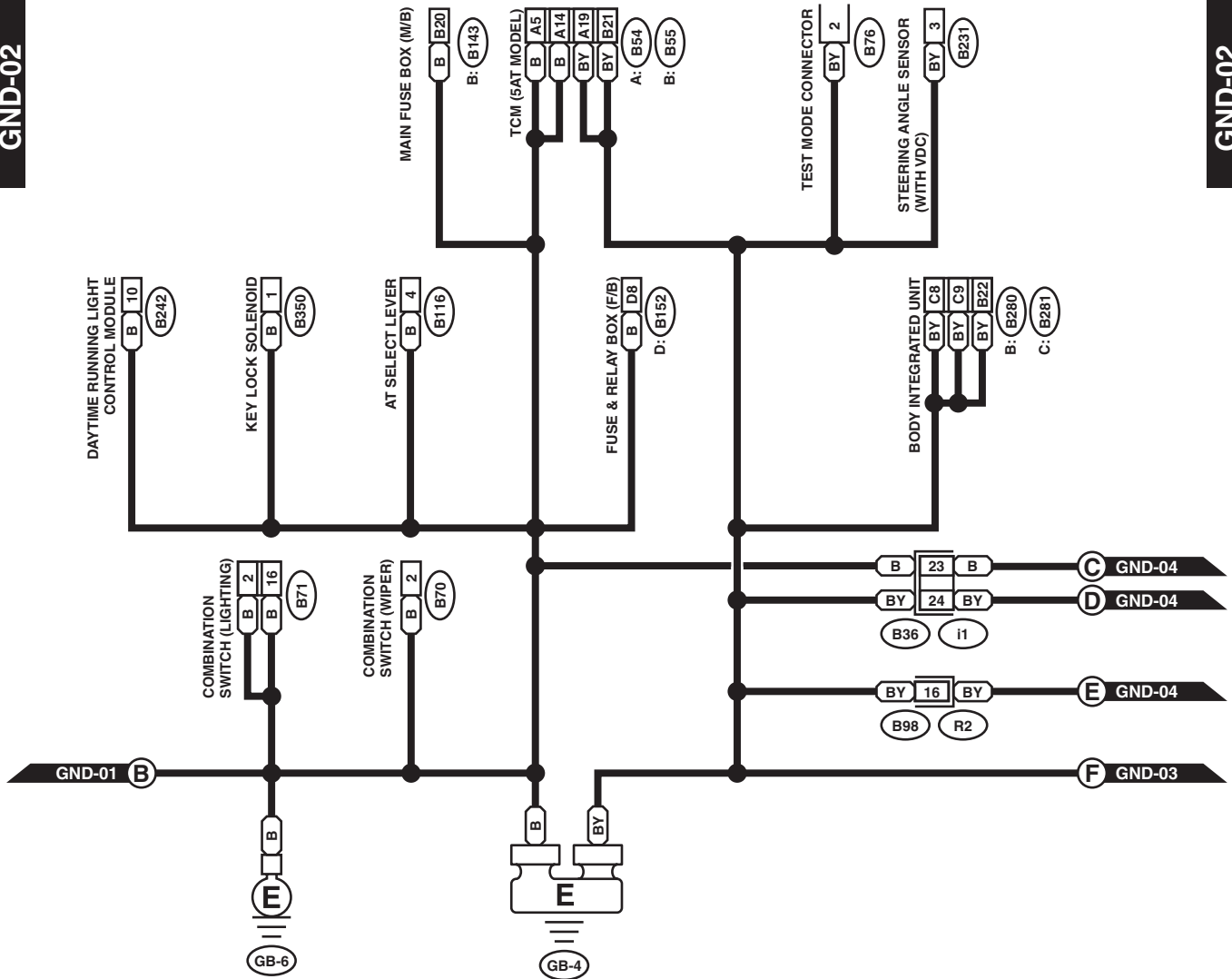


# Ground Circuit

WIRING SYSTEM

GND-02

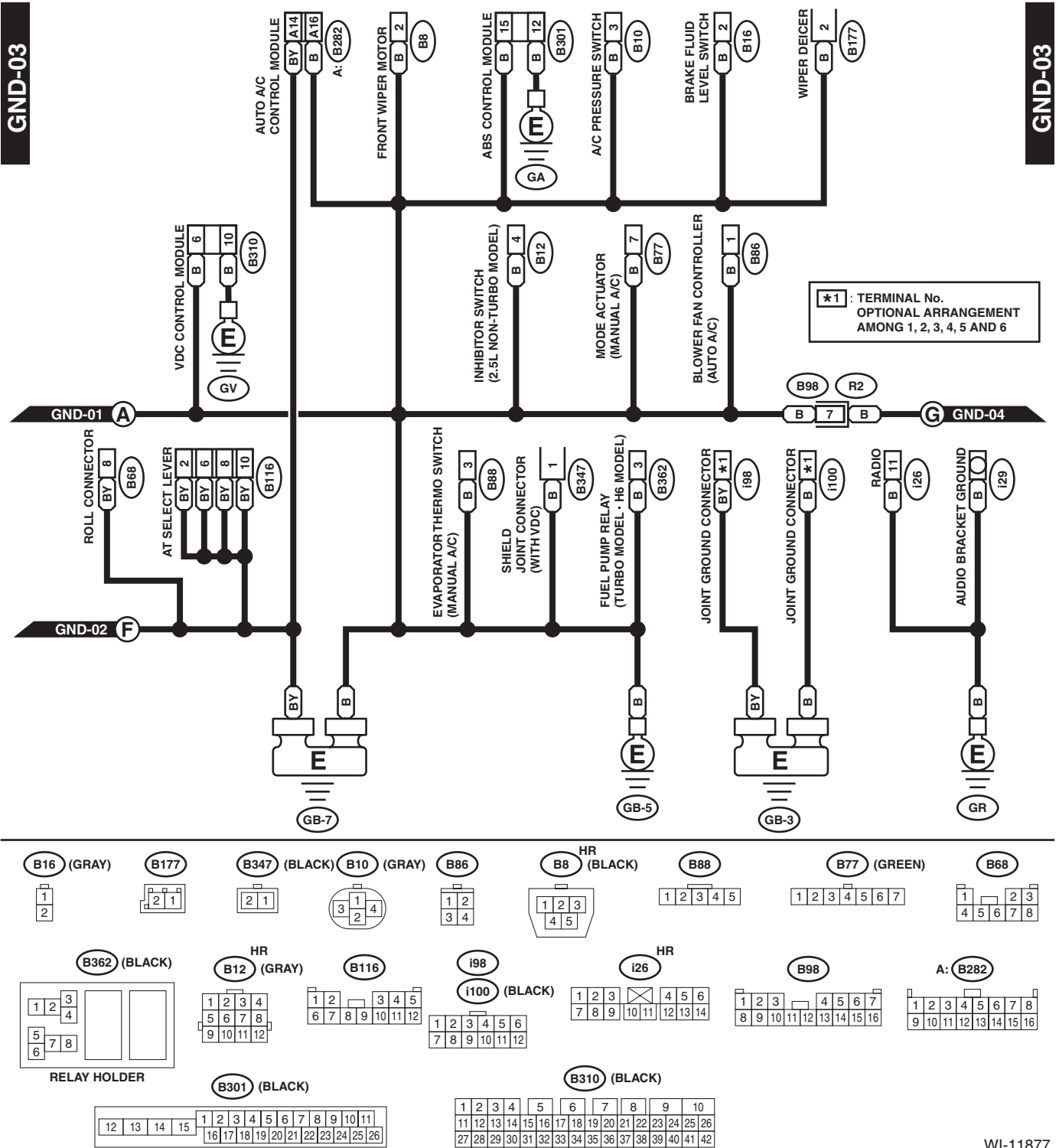
GND-02



WI-11876

# Ground Circuit

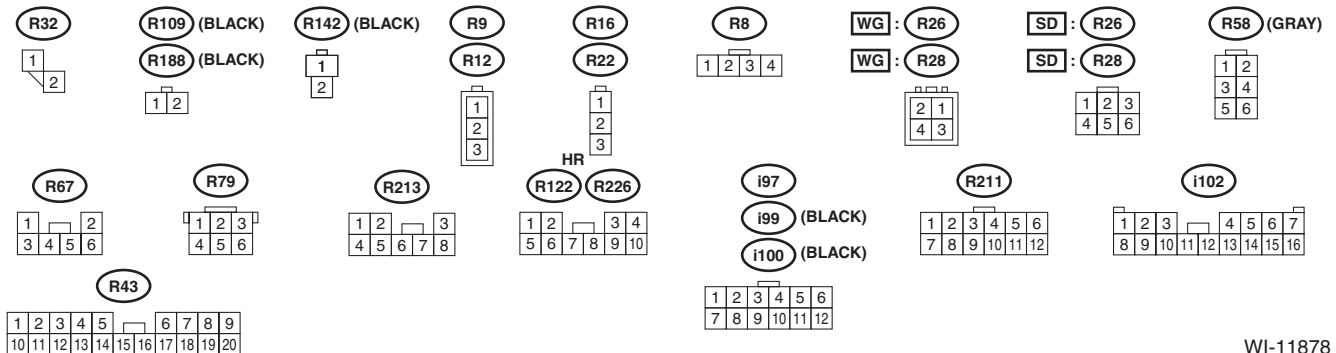
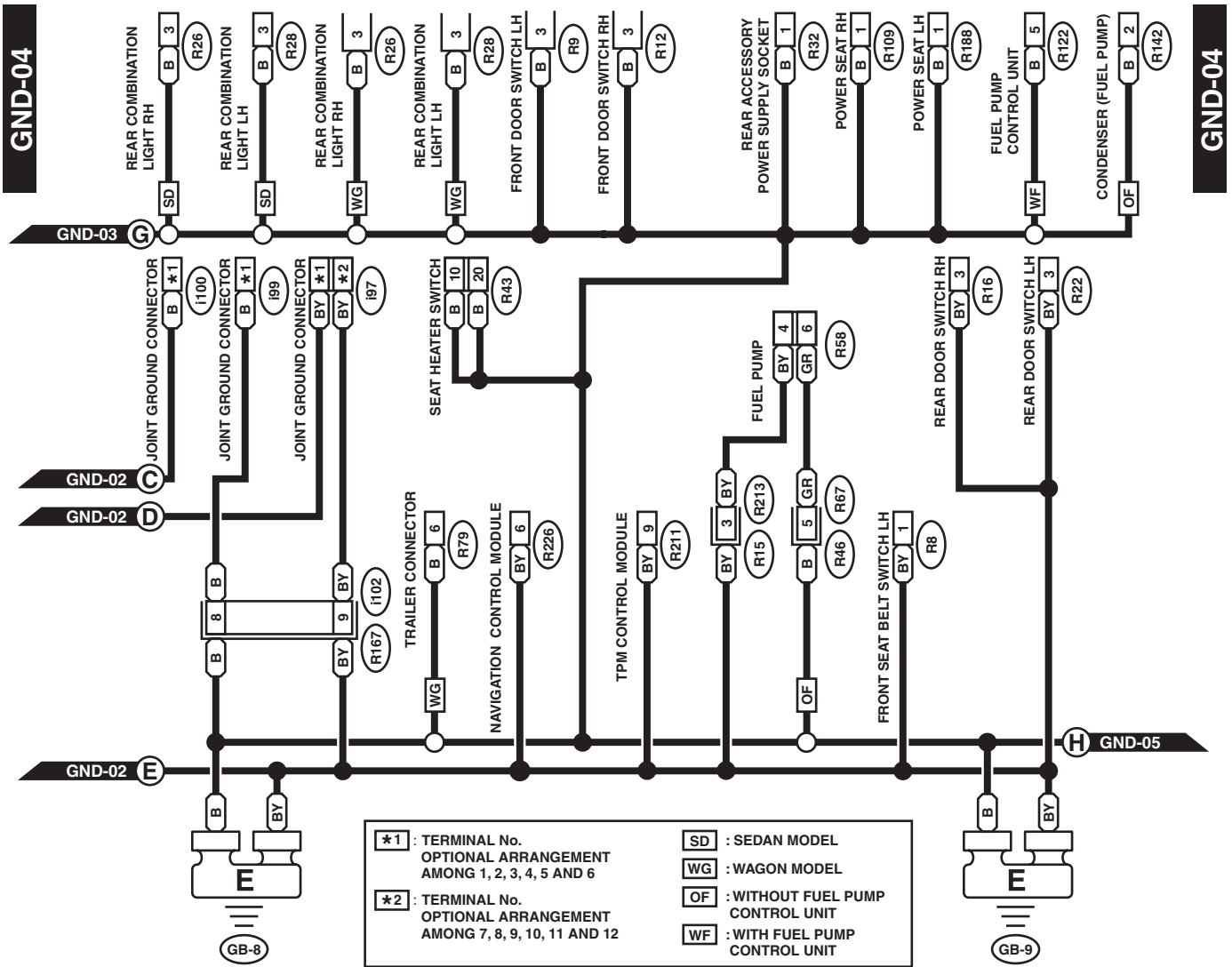
## WIRING SYSTEM



WI-11877

# Ground Circuit

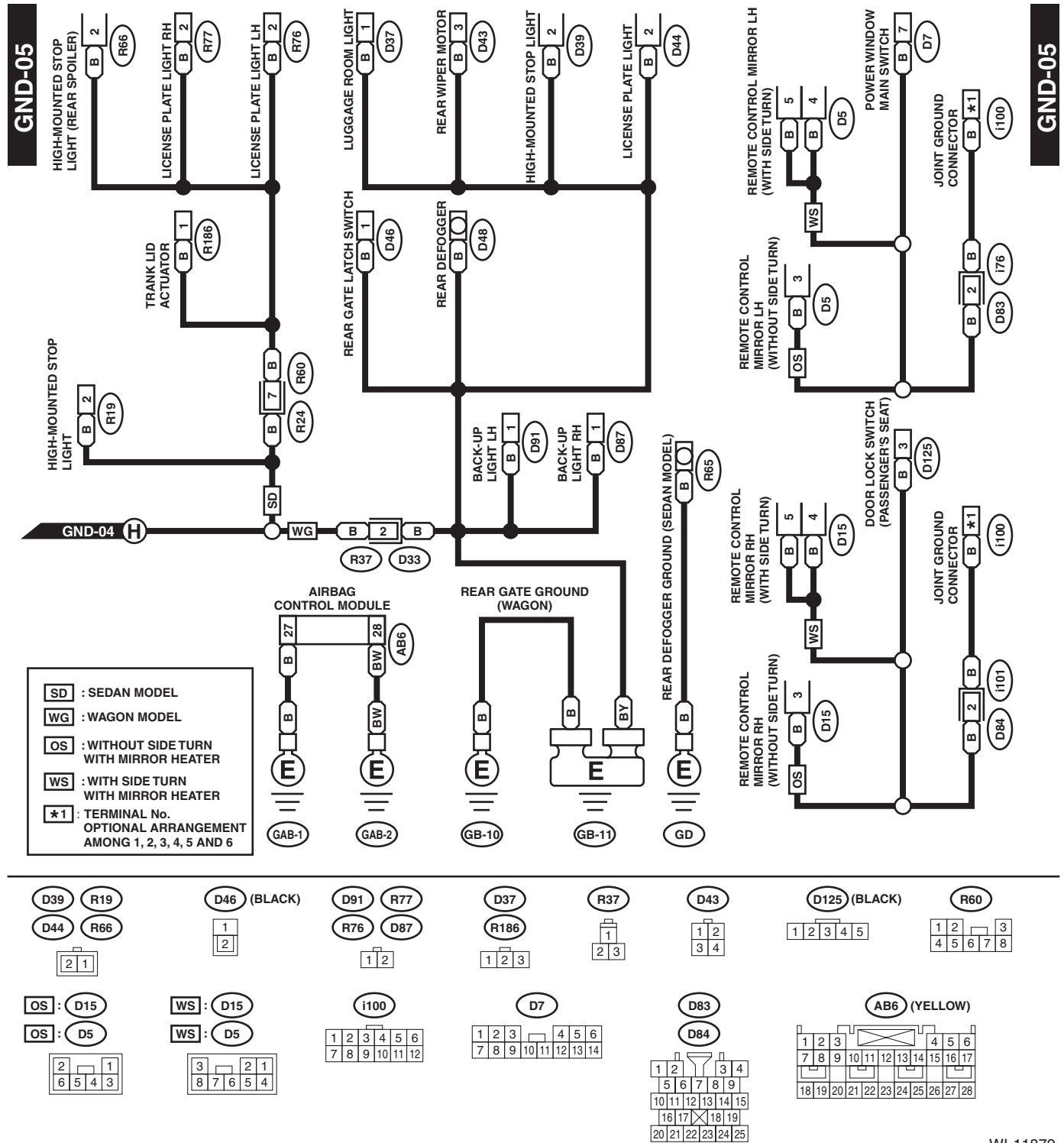
WIRING SYSTEM



WI-11878

# Ground Circuit

## WIRING SYSTEM



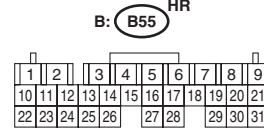
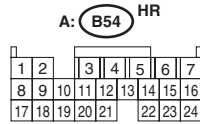
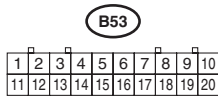
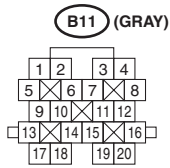
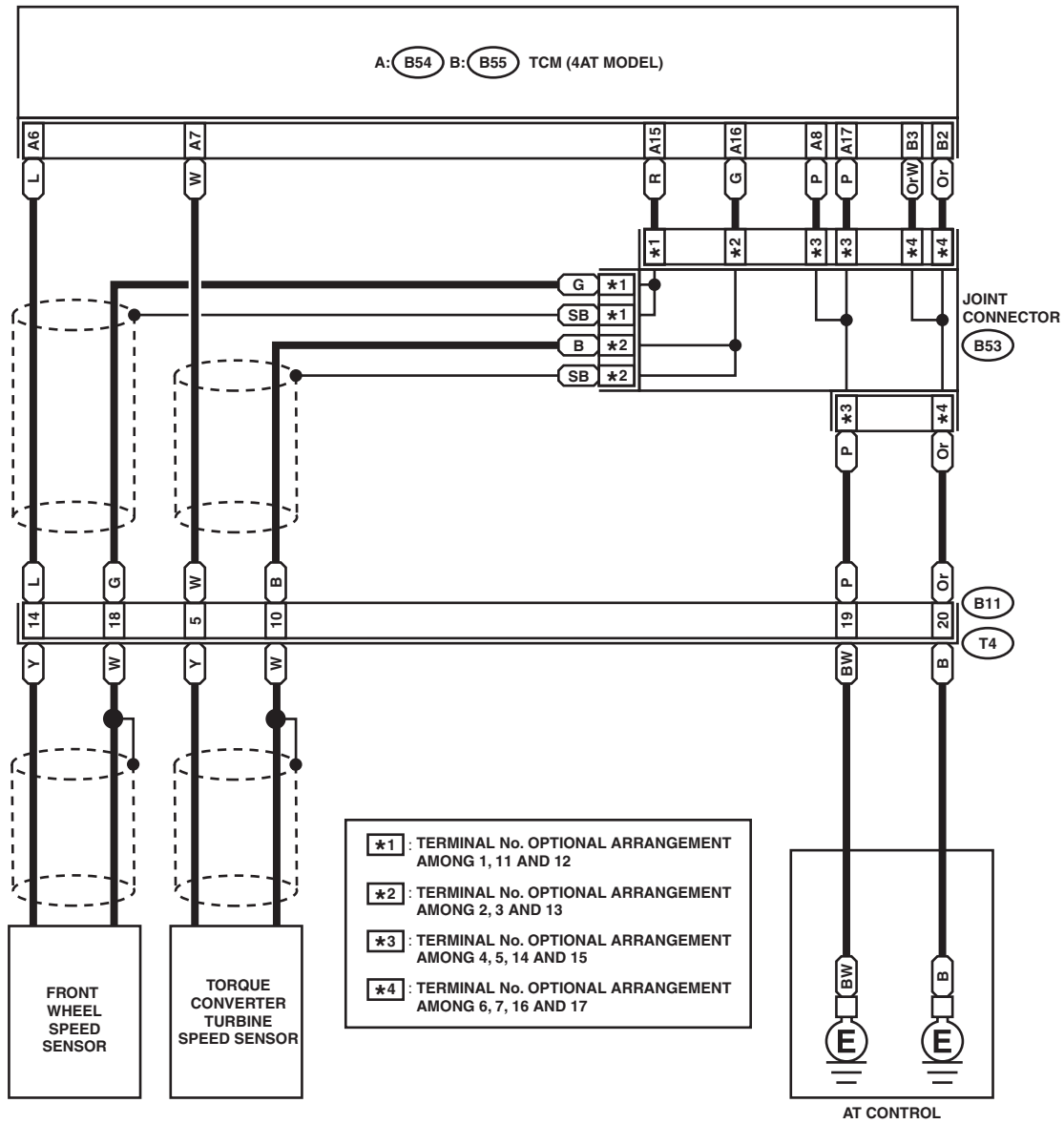
WI-11879

# Ground Circuit

WIRING SYSTEM

GND-06

GND-06



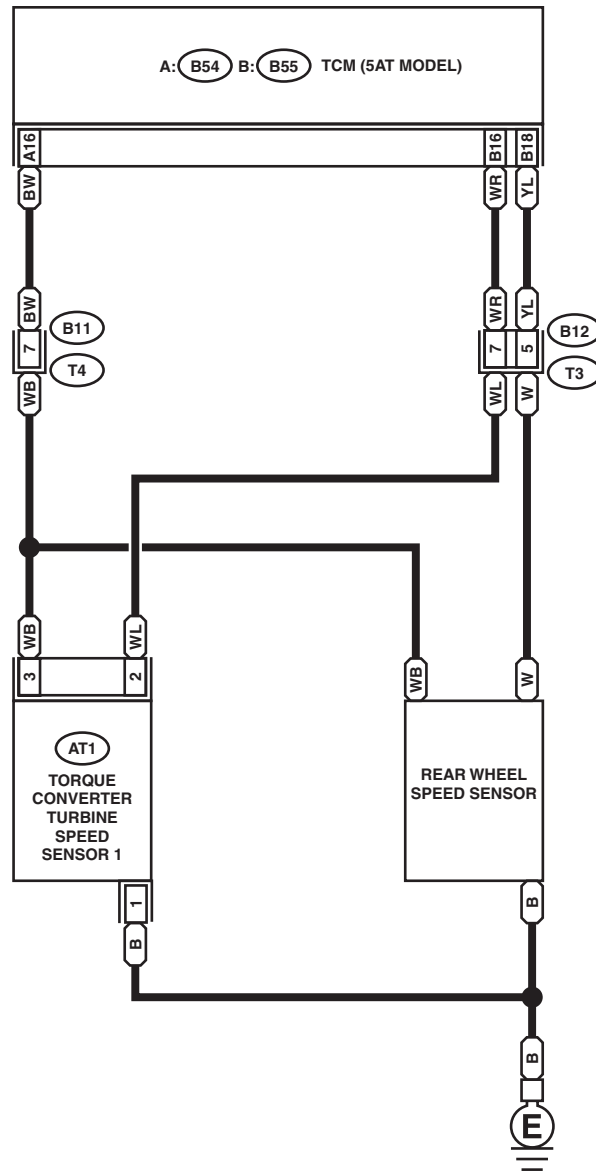
WI-11880

# Ground Circuit

WIRING SYSTEM

GND-07

GND-07



| AT1 |   |   |
|-----|---|---|
| 1   | 2 | 3 |

| B12 (BROWN) |   |   |   |
|-------------|---|---|---|
| 1           | 2 | 3 | 4 |
| 5           | 6 | 7 | 8 |

| HR         |    |    |    |
|------------|----|----|----|
| B11 (GRAY) |    |    |    |
| 1          | 2  | 3  | 4  |
| 5          | 6  | 7  | 8  |
| 9          | 10 | 11 | 12 |
| 13         | 14 | 15 | 16 |
| 17         | 18 | 19 | 20 |

| HR     |    |    |    |    |    |    |    |
|--------|----|----|----|----|----|----|----|
| A: B54 |    |    |    |    |    |    |    |
| 1      | 2  | 3  | 4  | 5  | 6  | 7  | 8  |
| 9      | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 17     | 18 | 19 | 20 | 21 | 22 | 23 | 24 |

| HR            |    |    |    |    |    |    |    |
|---------------|----|----|----|----|----|----|----|
| B: B55 (GRAY) |    |    |    |    |    |    |    |
| 1             | 2  | 3  | 4  | 5  | 6  | 7  | 8  |
| 9             | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 17            | 18 | 19 | 20 | 21 | 22 | 23 | 24 |

WI-11881

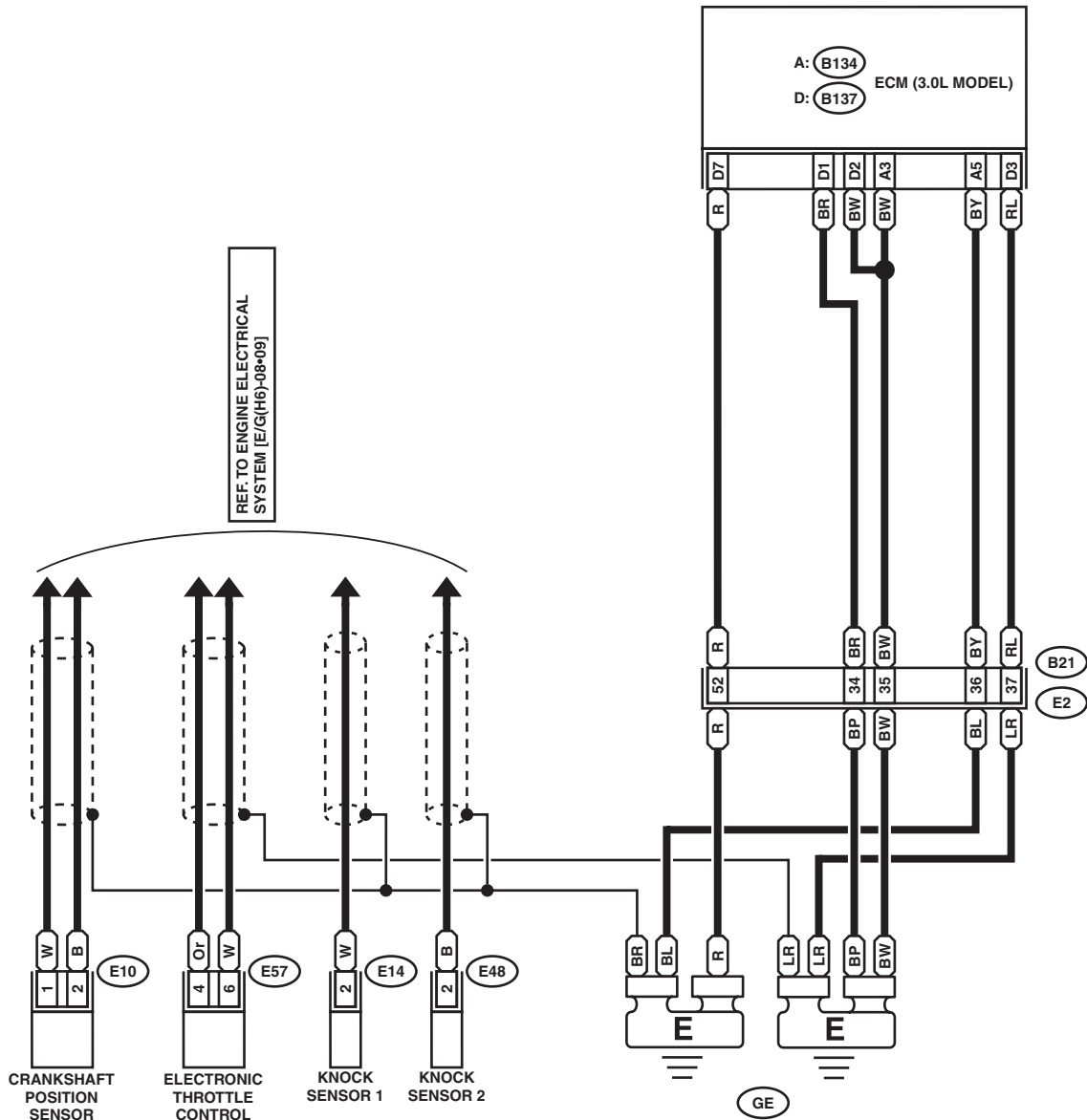


# Ground Circuit

WIRING SYSTEM

GND-09

GND-09



E10 (LIGHT GRAY) E57 (BLACK)

E14 (BLUE) 1 2 3 4 5 6

E48 (BLUE)

1 2

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 | 32 | 33 | 34 | 35 |

A: B134 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 |

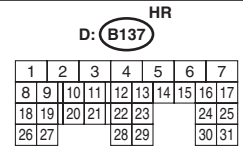
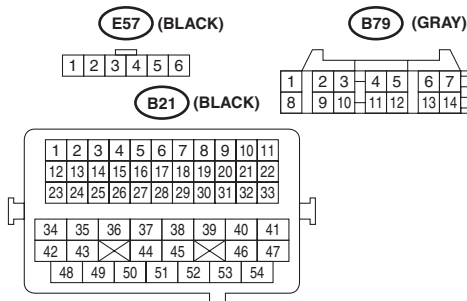
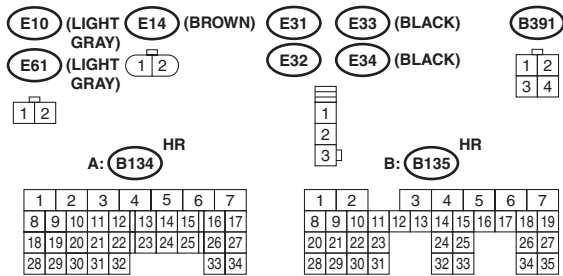
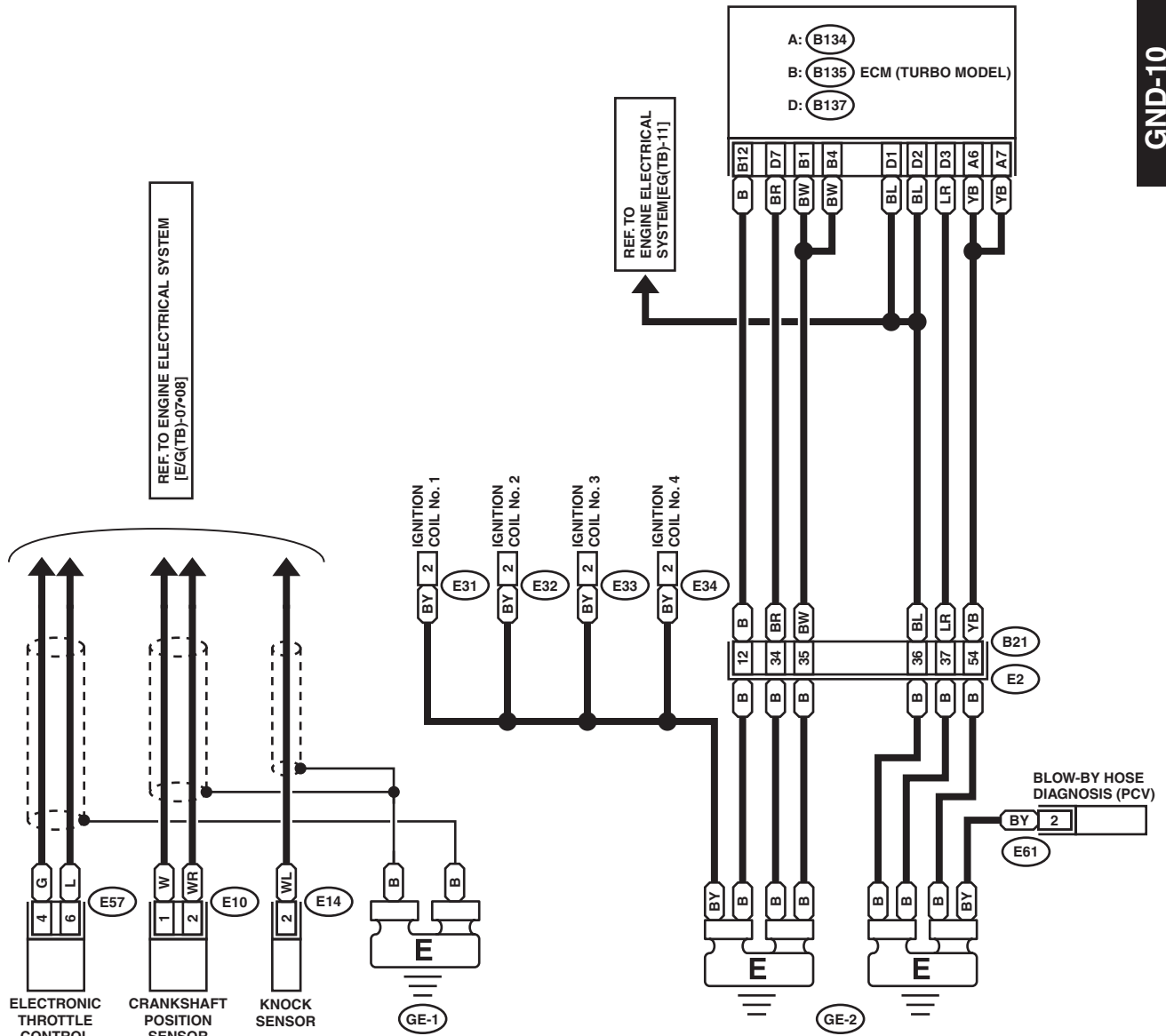
B21 (BLACK)

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

WI-11883

GND-10

GND-10



WI-11884

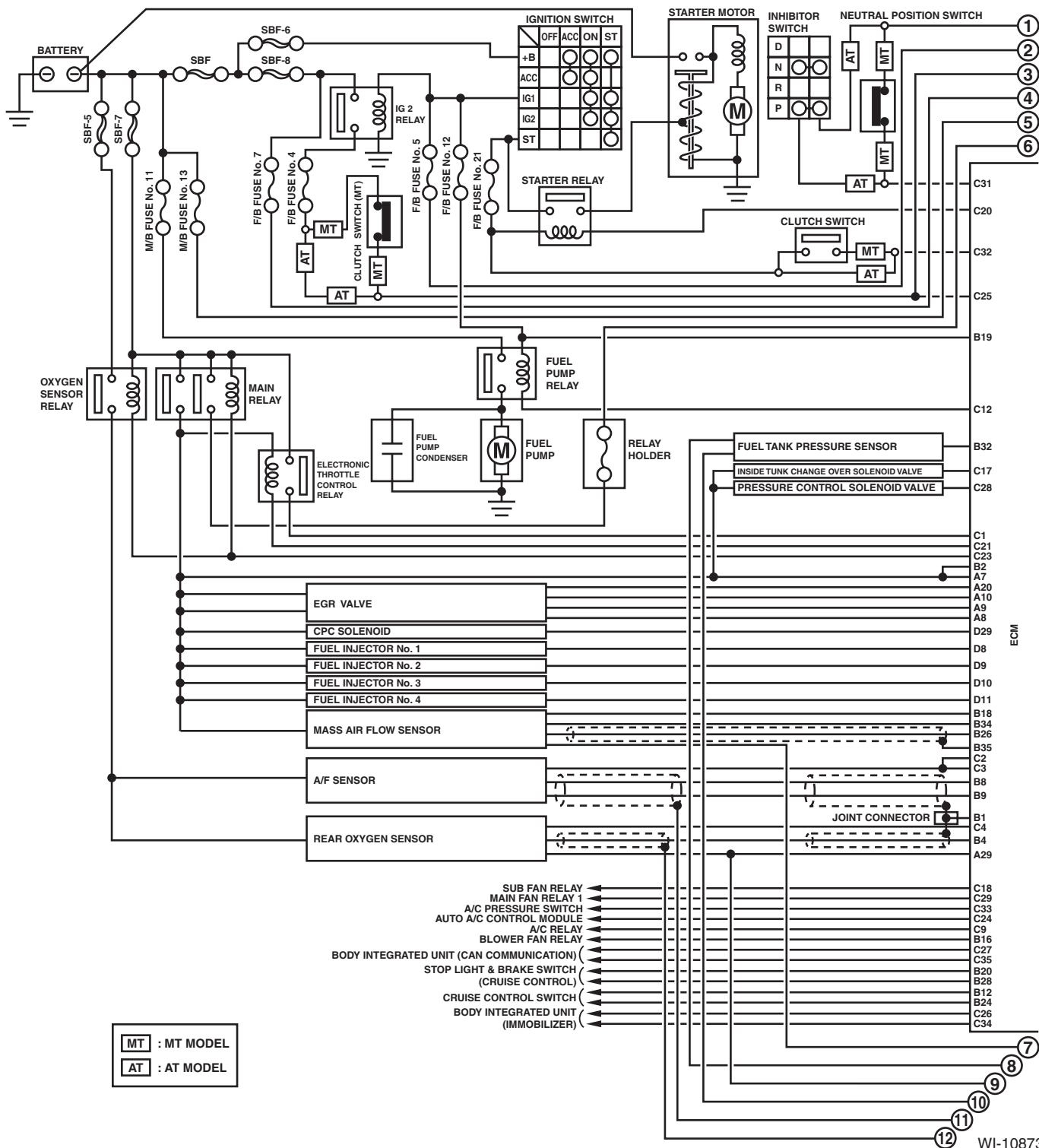
# Engine Electrical System

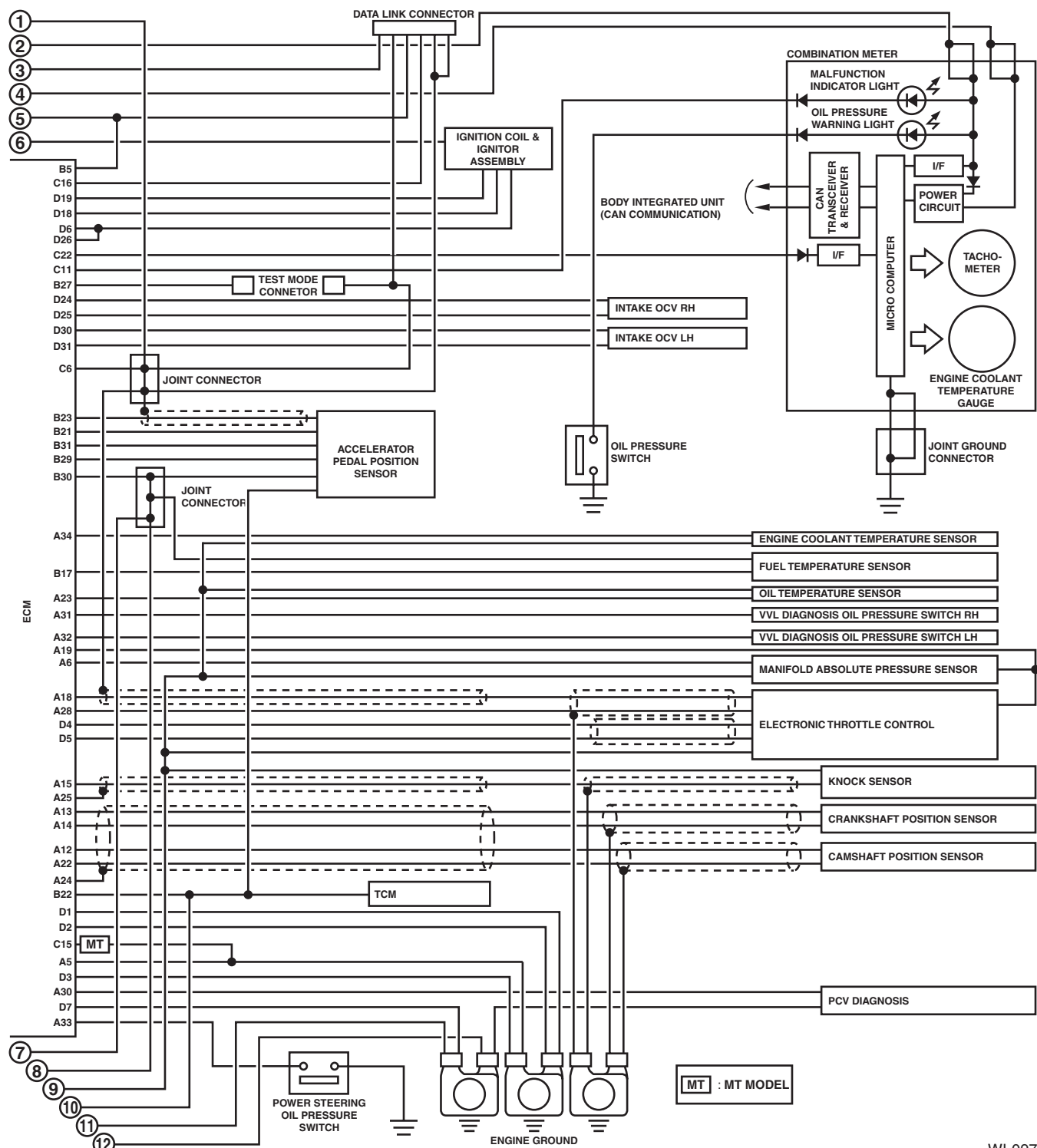
## WIRING SYSTEM

### 5. Engine Electrical System

#### A: WIRING DIAGRAM

##### 1. 2.5 L NON-TURBO MODEL

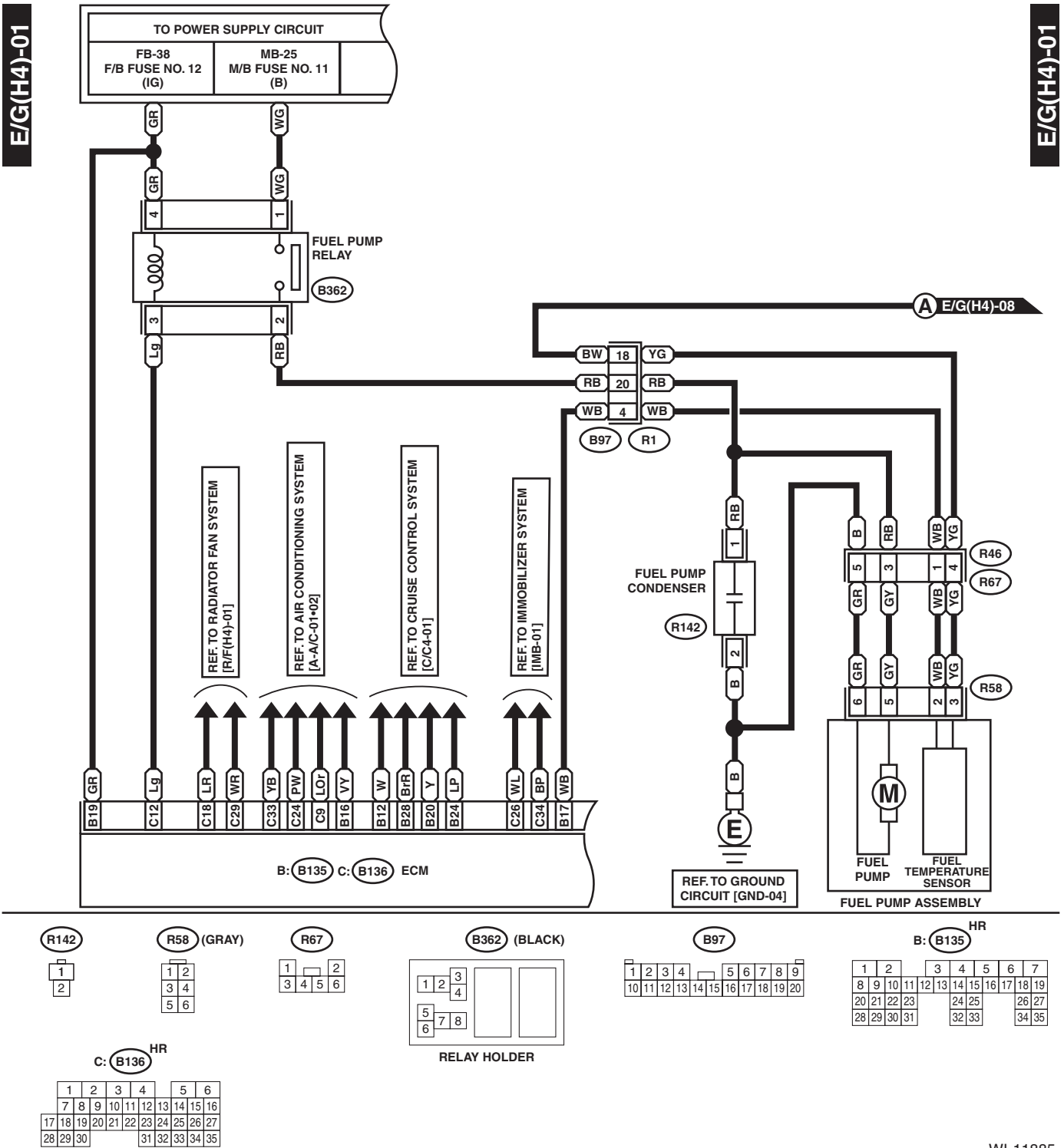


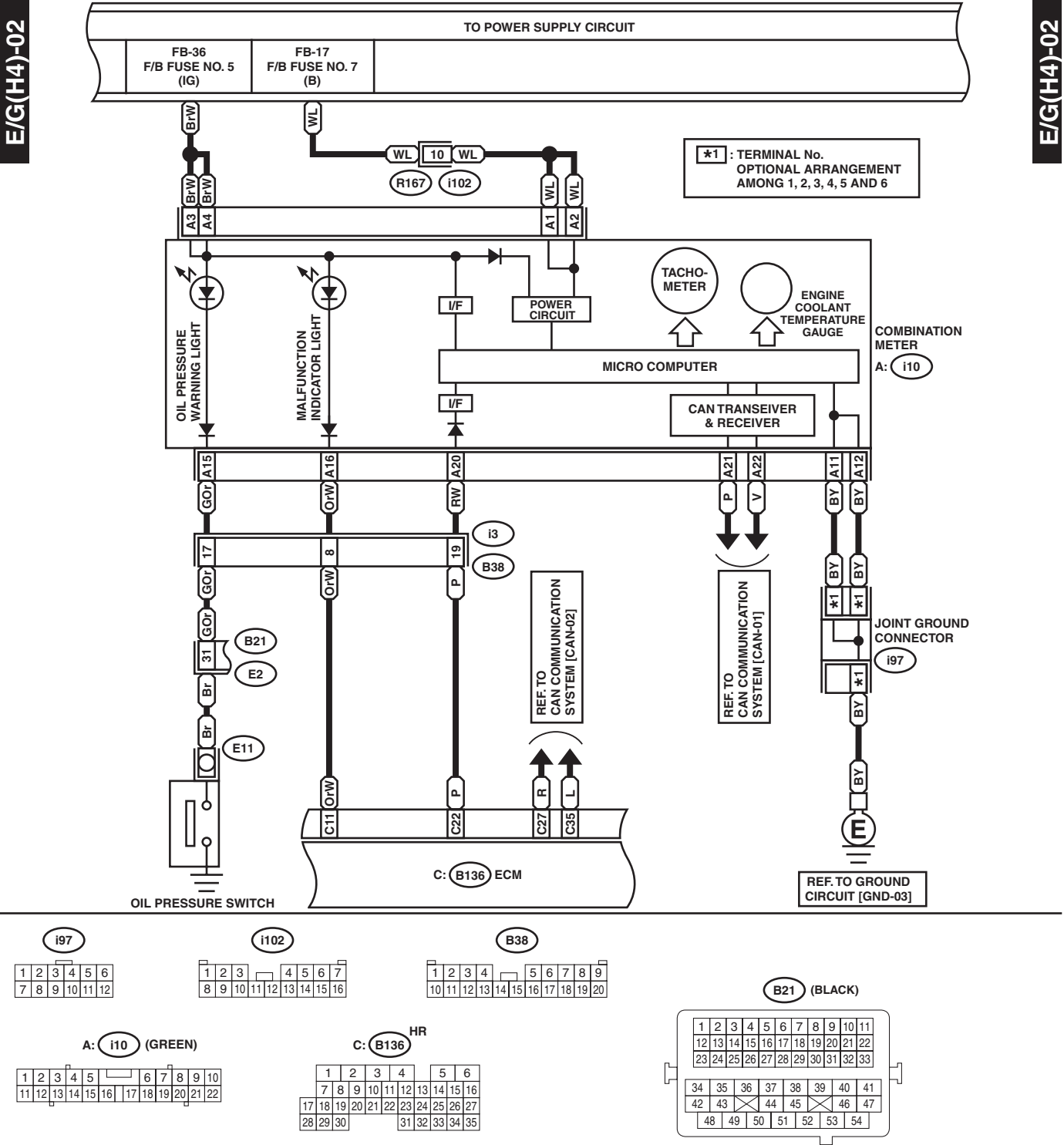


WI-09702

# Engine Electrical System

## WIRING SYSTEM

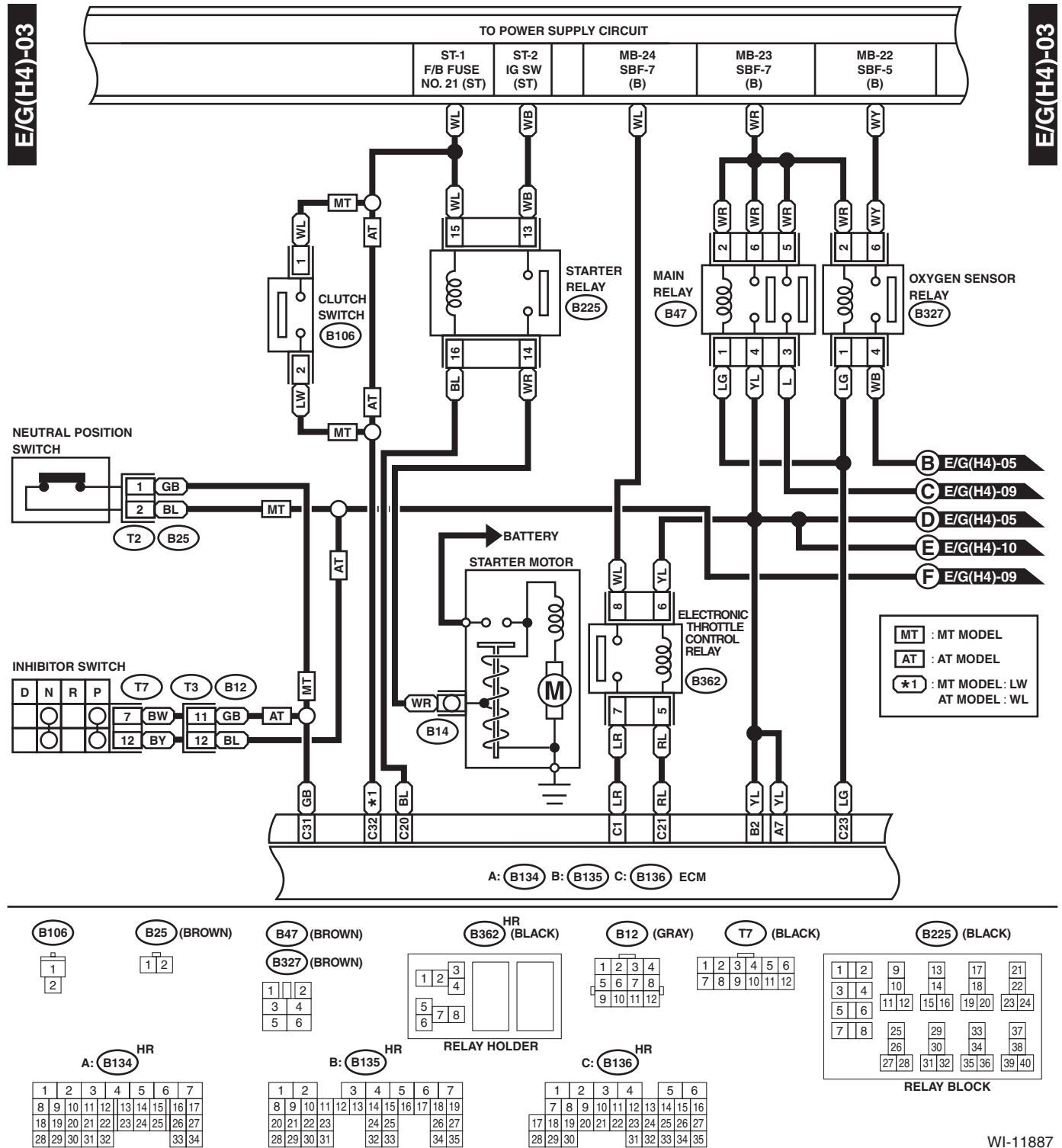


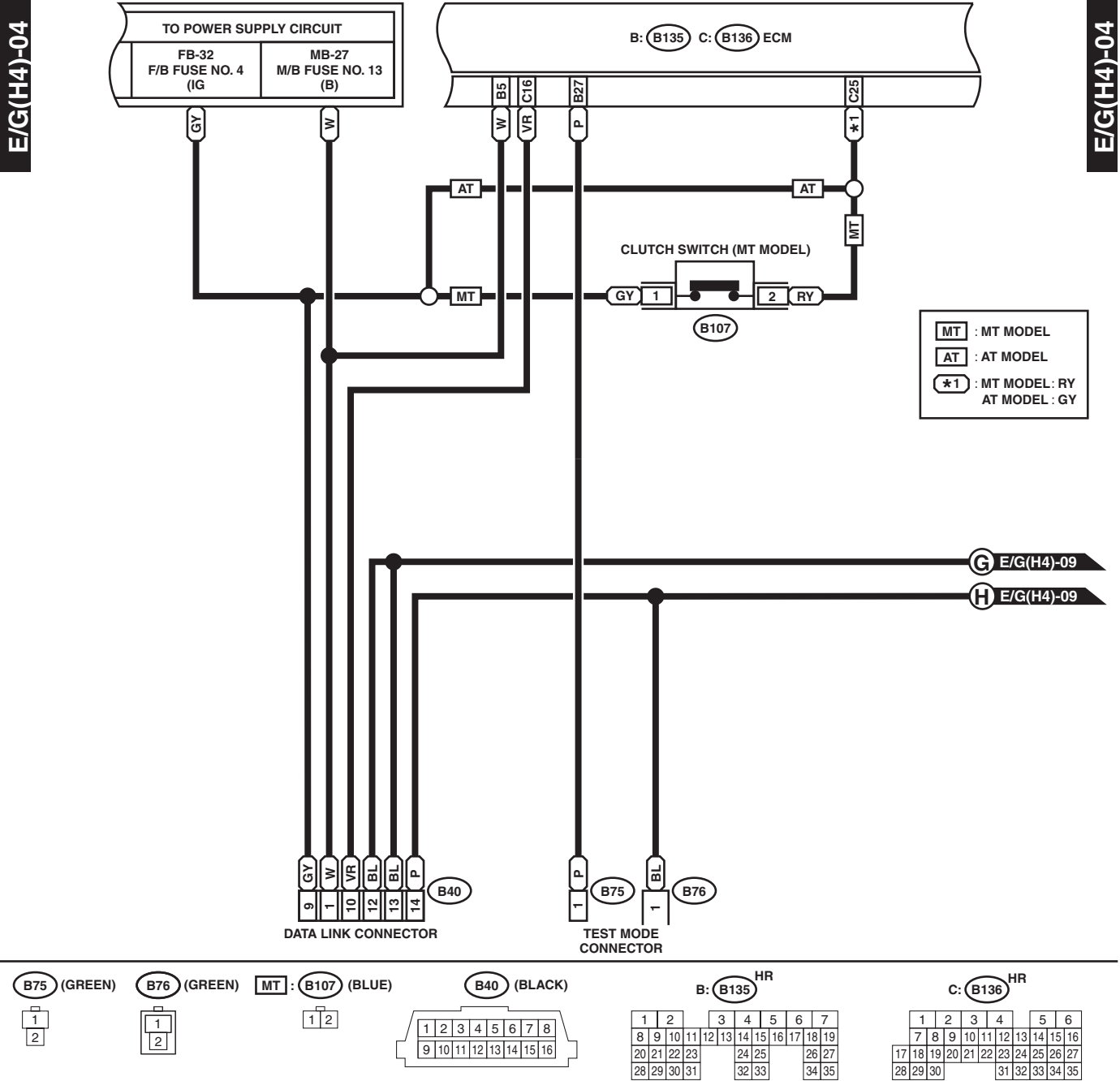


WI-11886

# Engine Electrical System

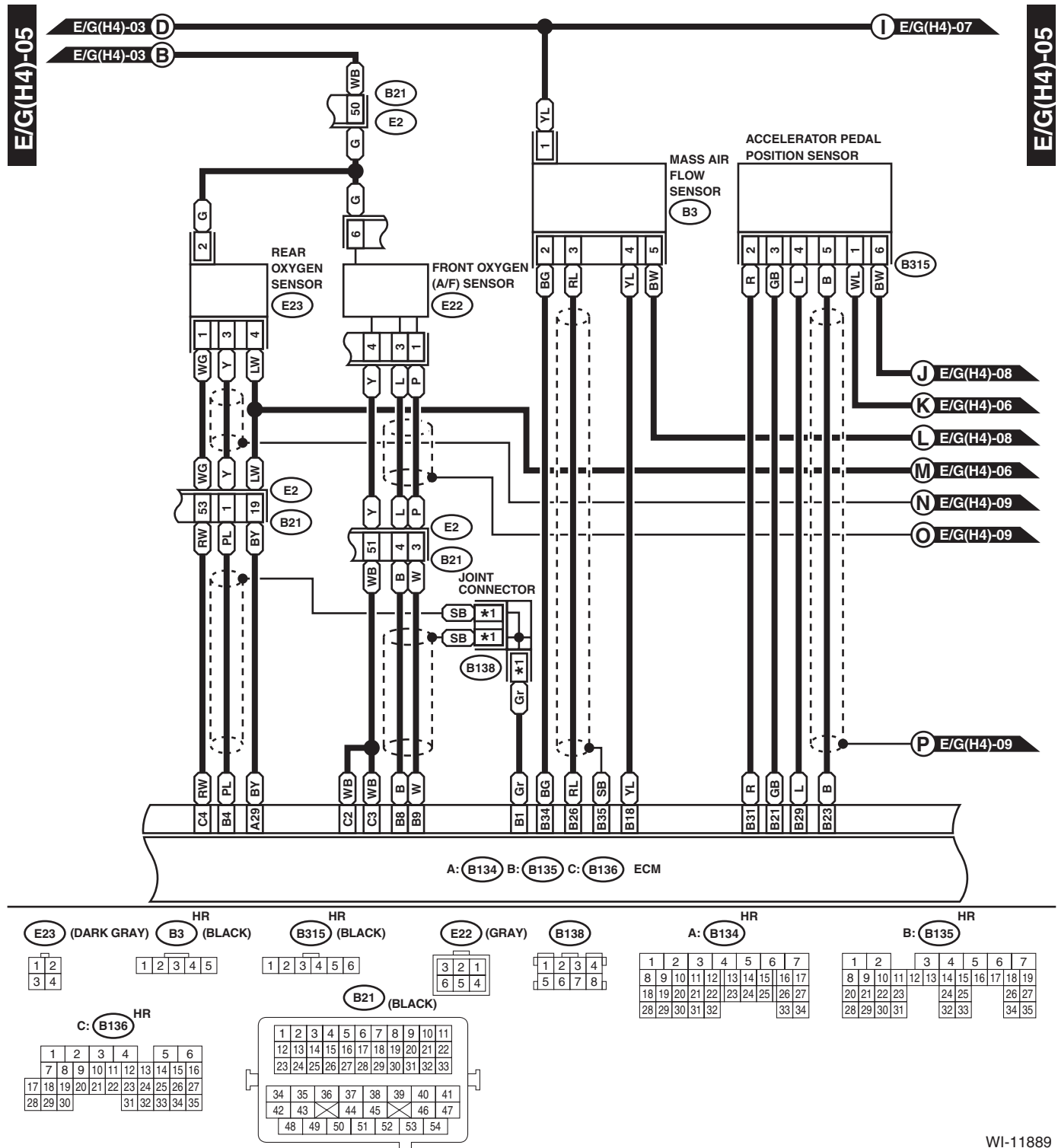
## WIRING SYSTEM





# Engine Electrical System

## WIRING SYSTEM



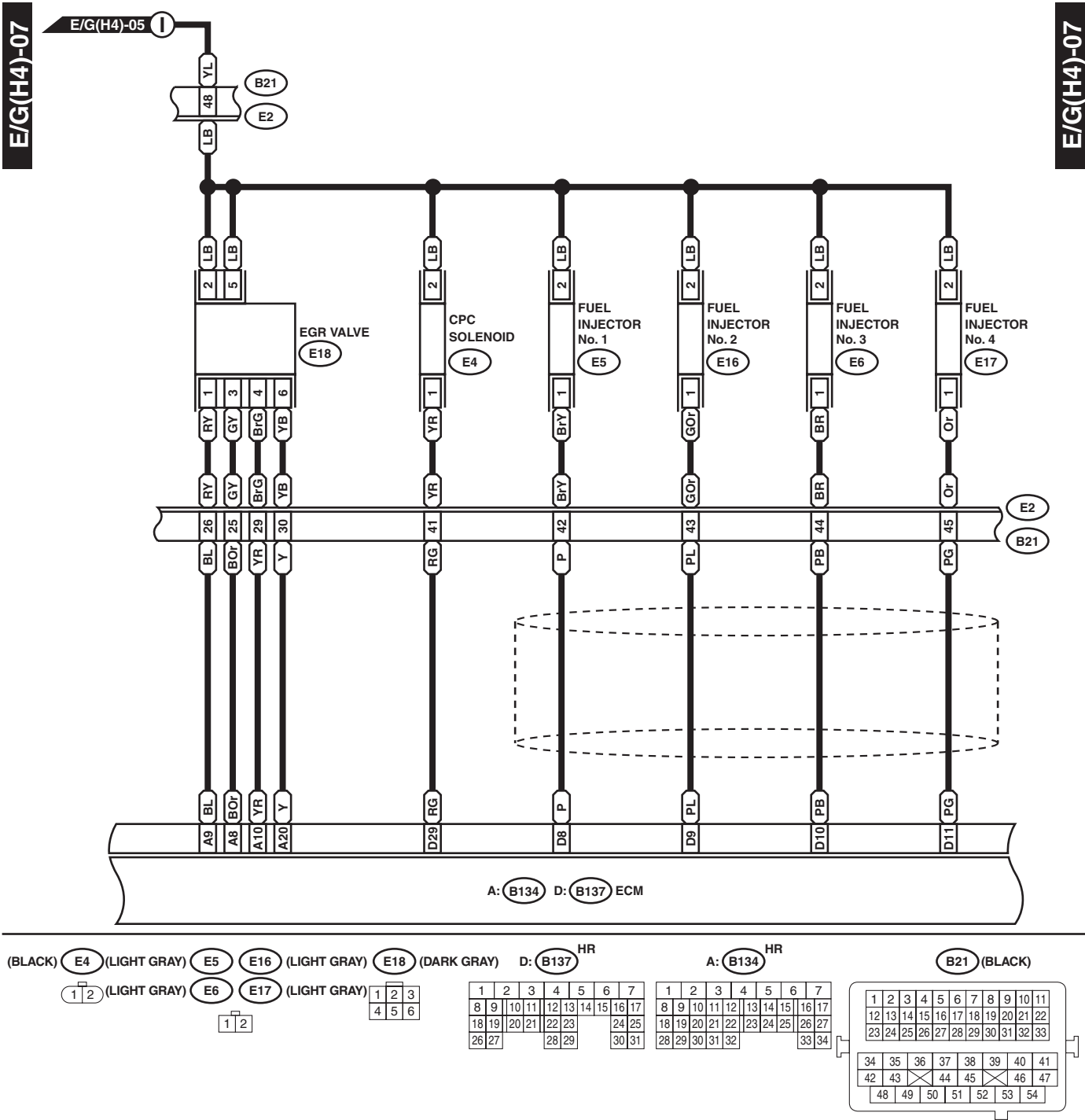
WI-11889

## WIRING SYSTEM



# Engine Electrical System

## WIRING SYSTEM

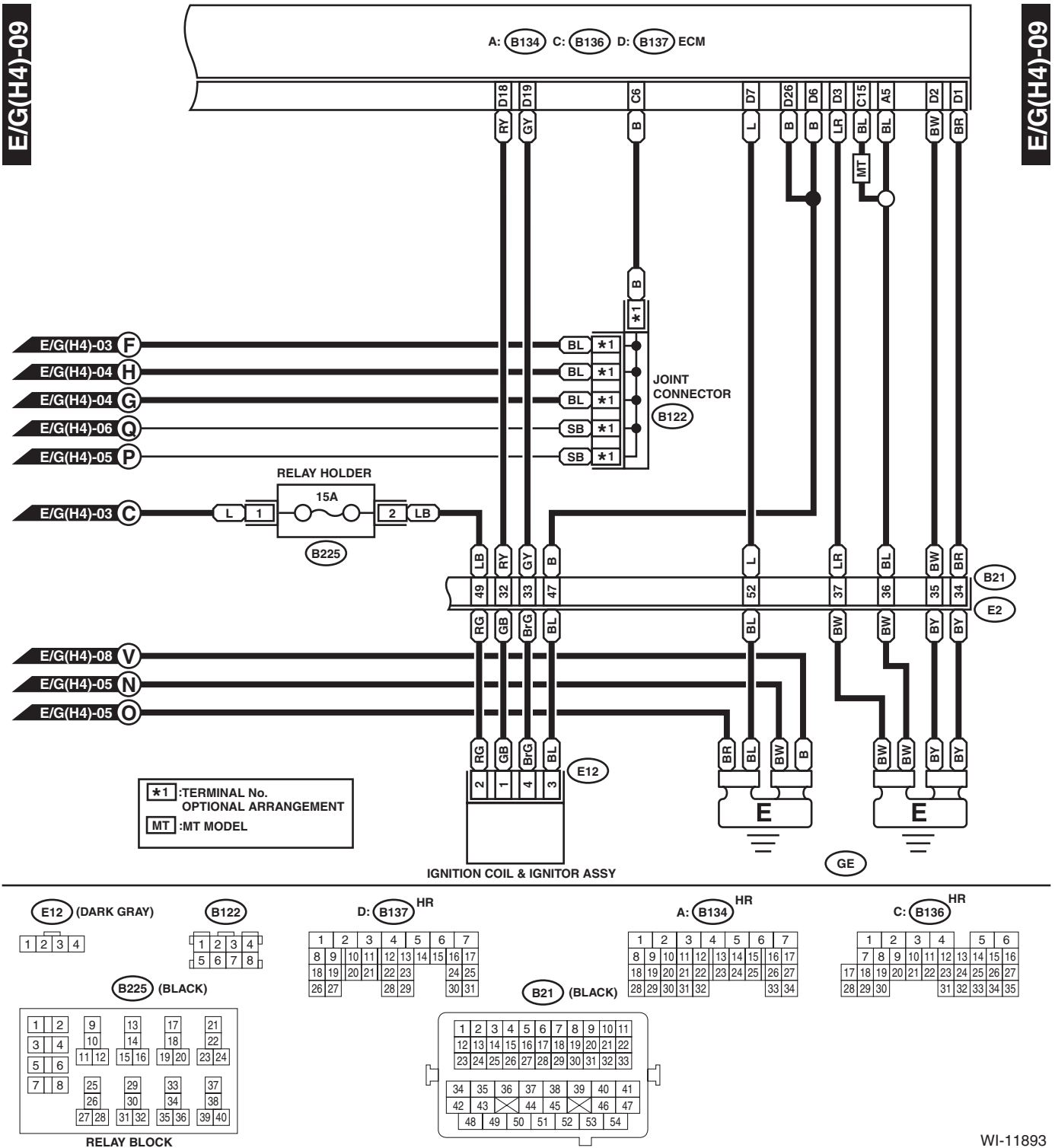


WI-11891



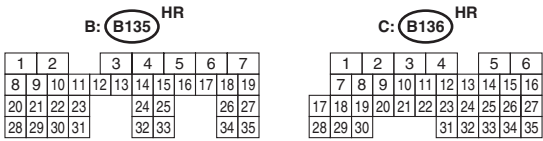
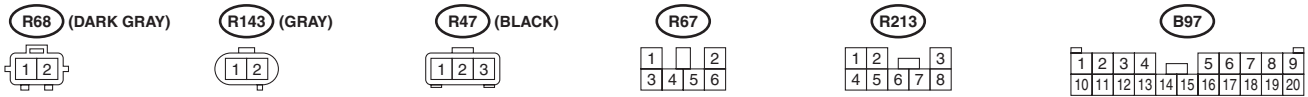
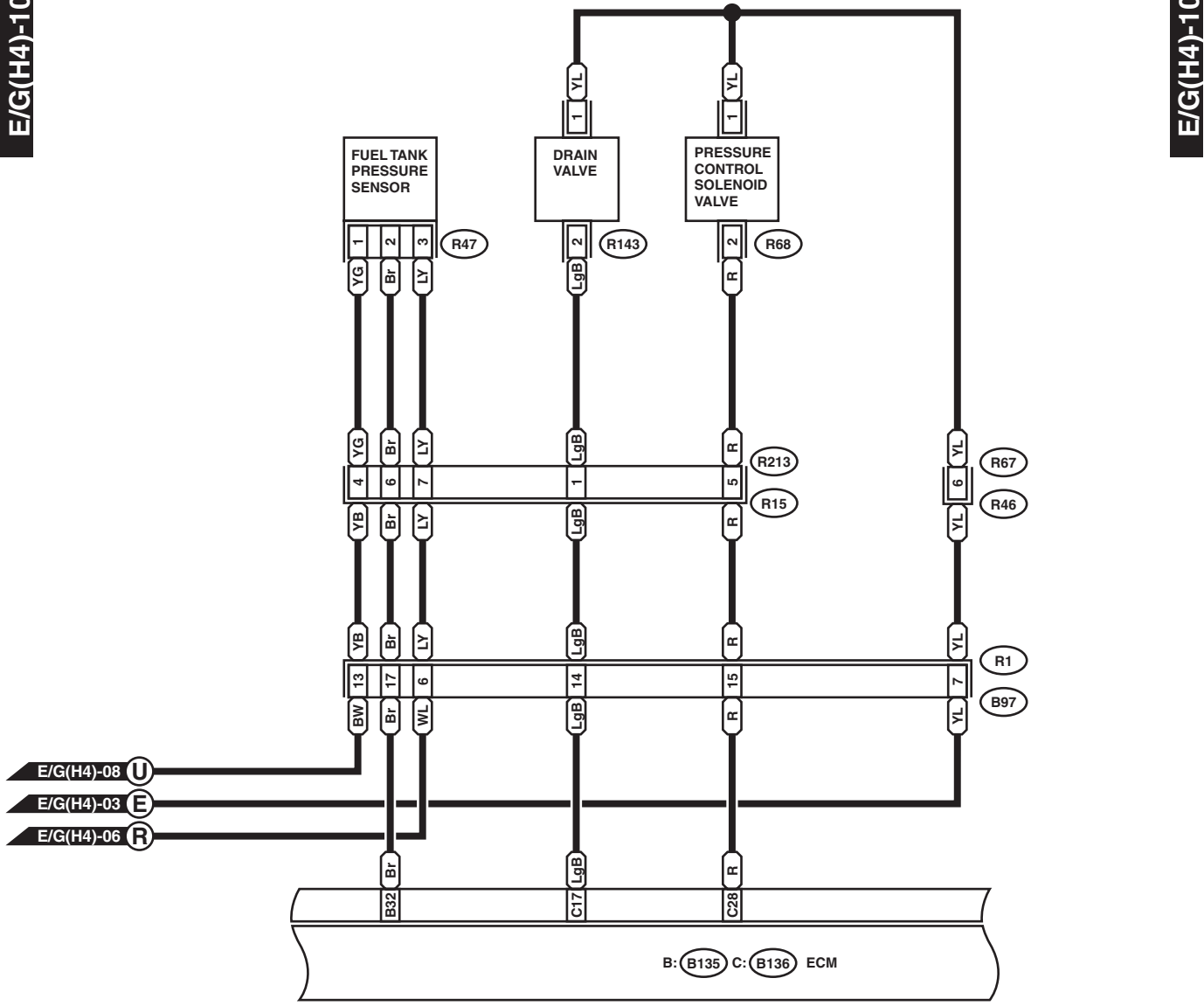
Engine Electrical System

WIRING SYSTEM



E/G(H4)-10

E/G(H4)-10

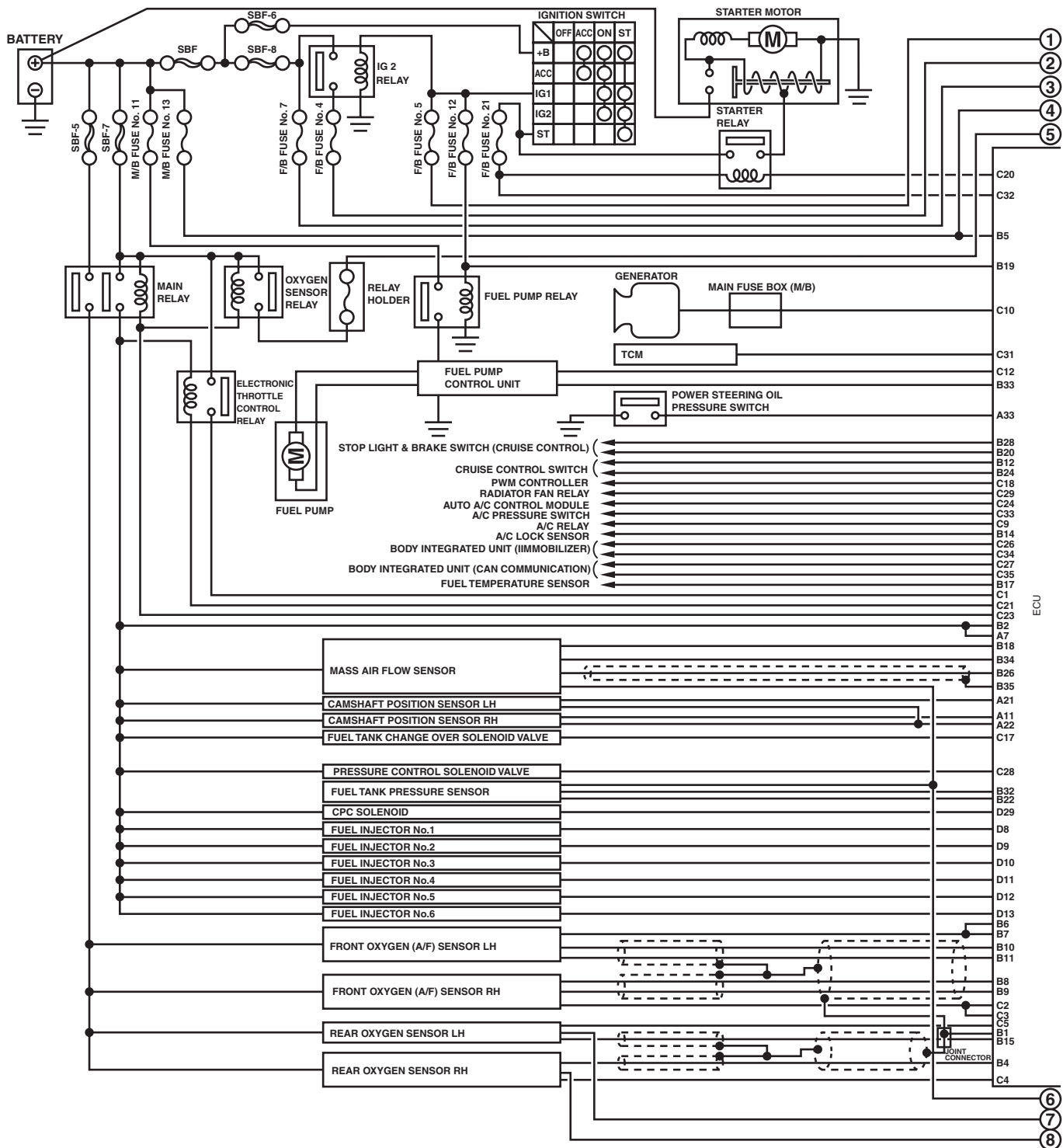


WI-11894

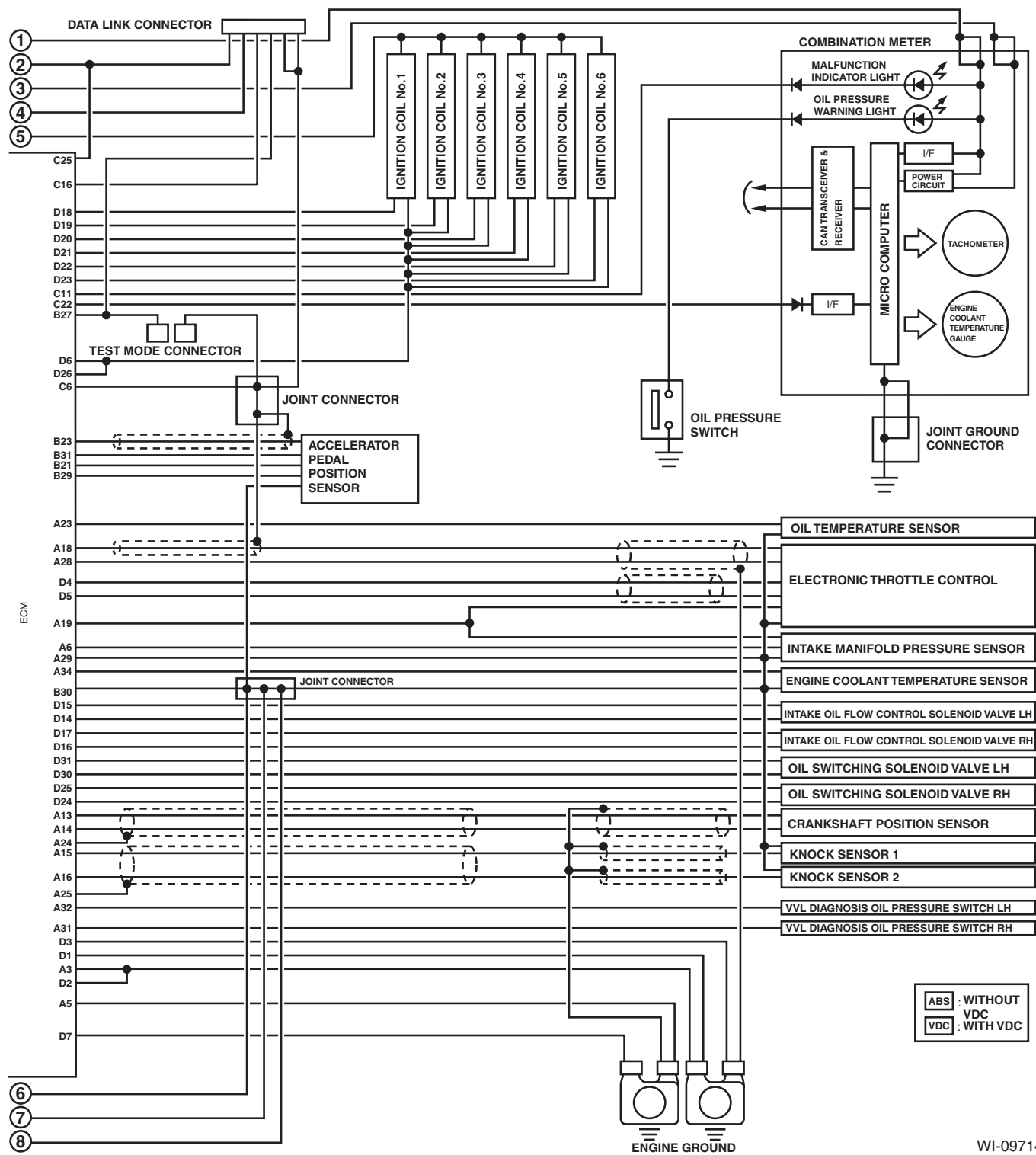
# Engine Electrical System

## WIRING SYSTEM

### 2. 3.0 L MODEL

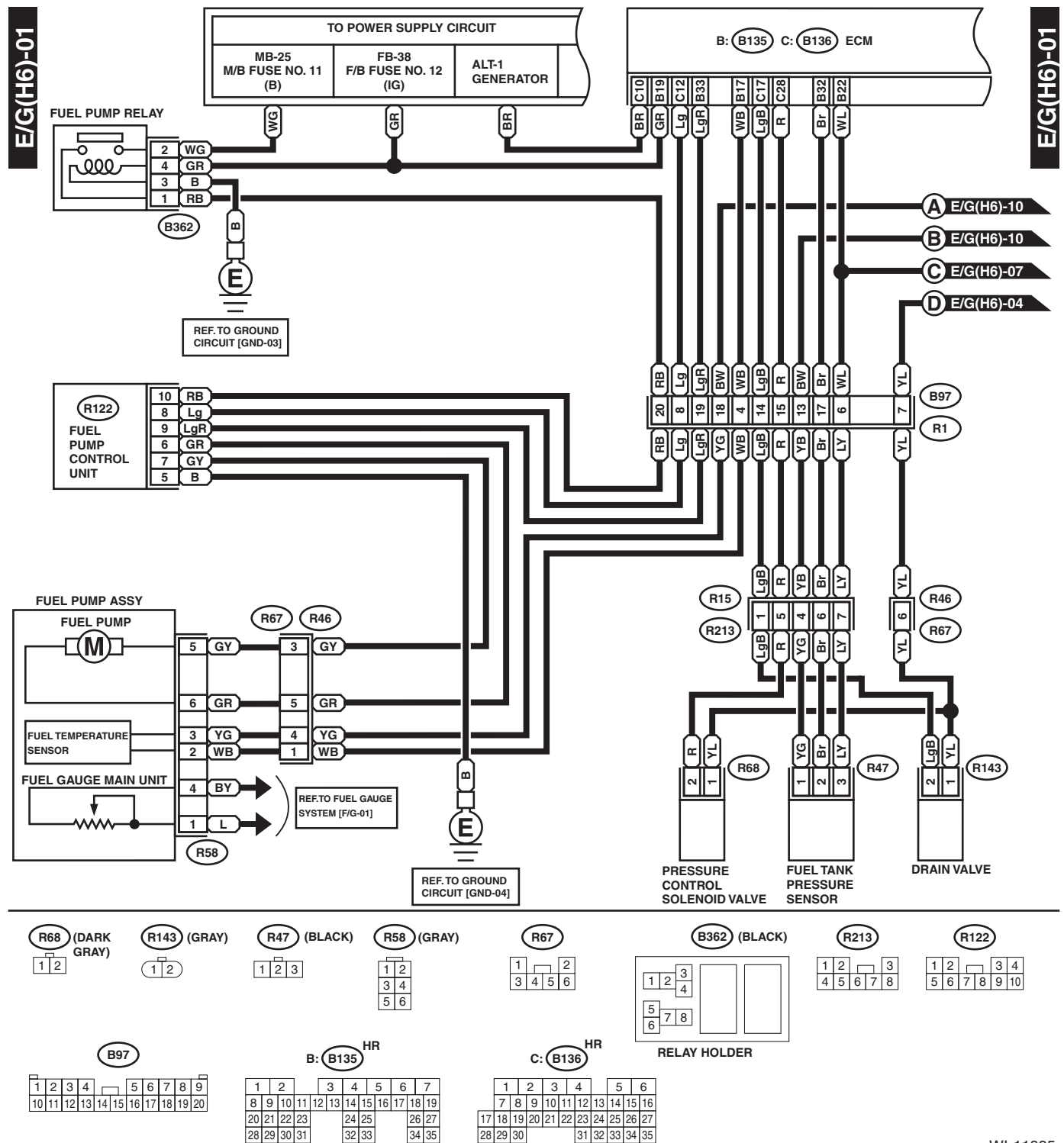


WI-09713



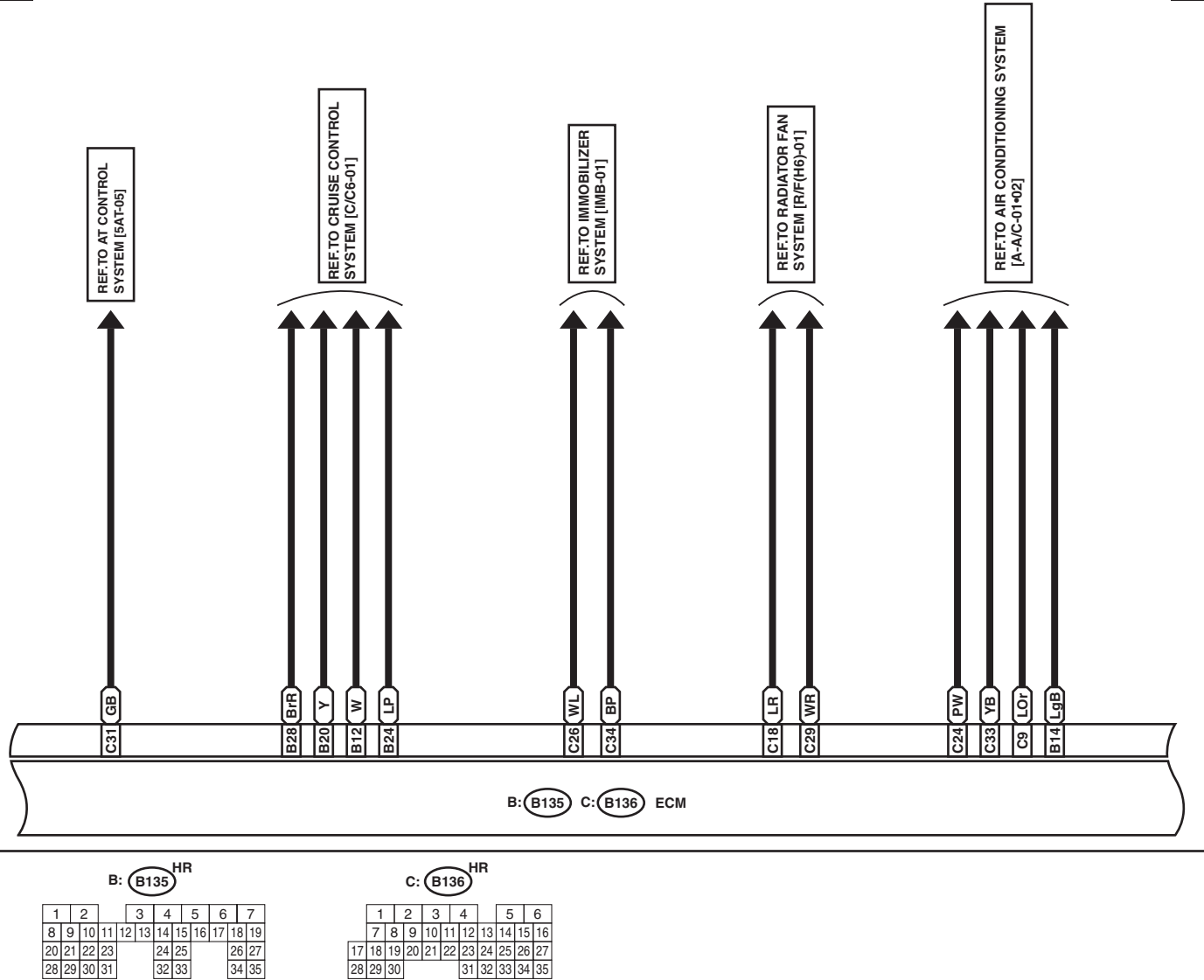
WI-09714

## WIRING SYSTEM



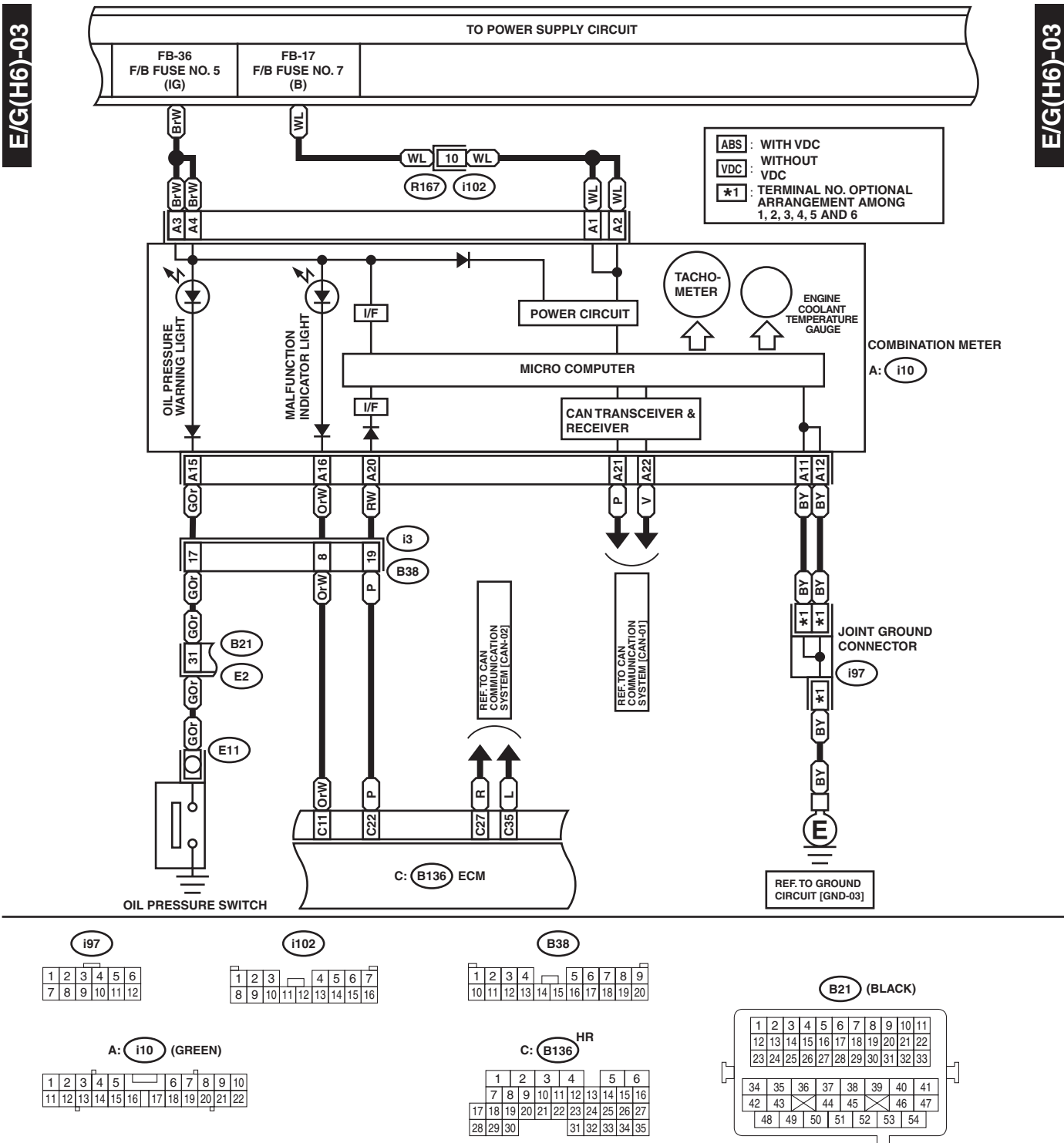
E/G(H6)-02

E/G(H6)-02

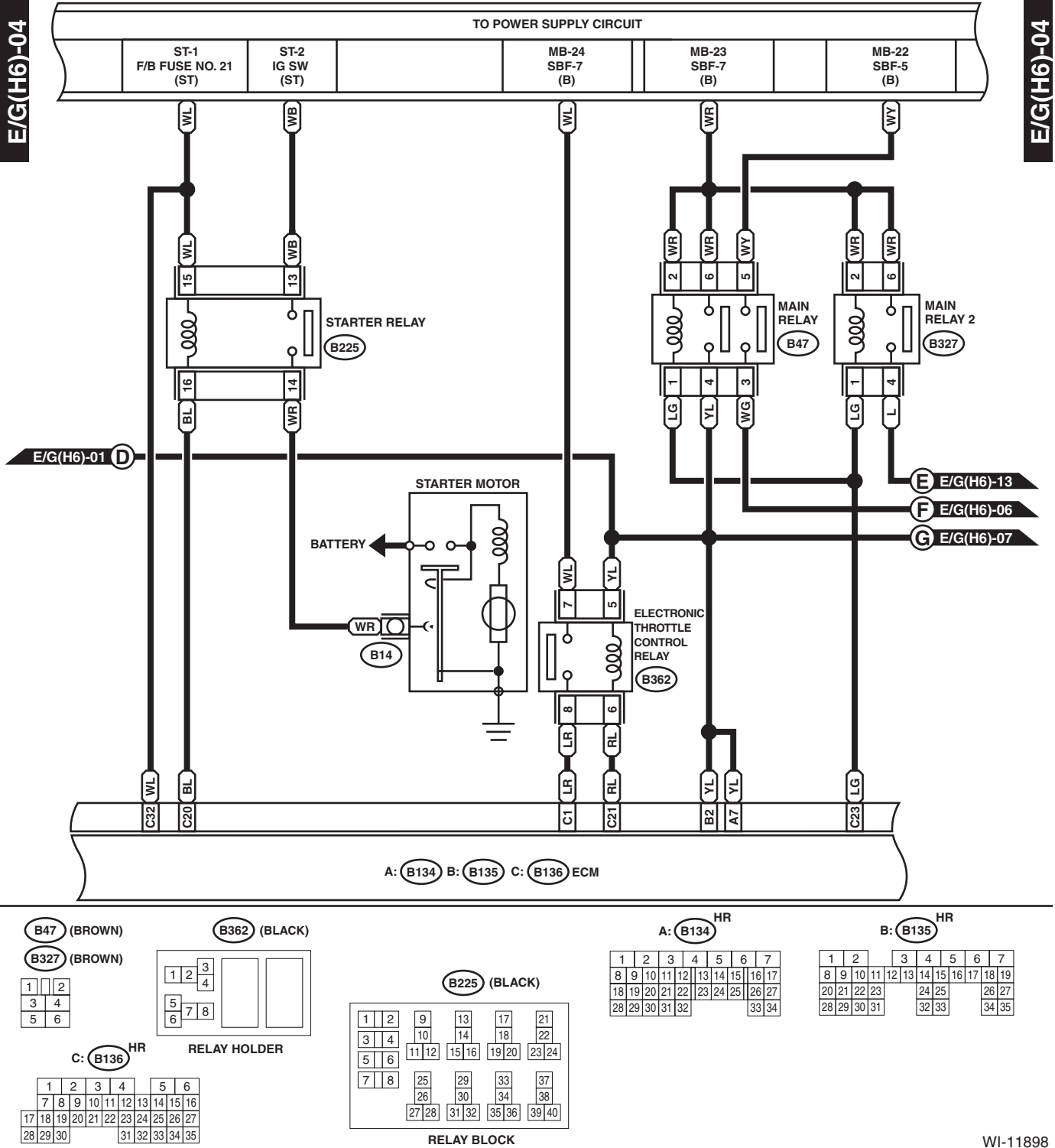


# Engine Electrical System

## WIRING SYSTEM

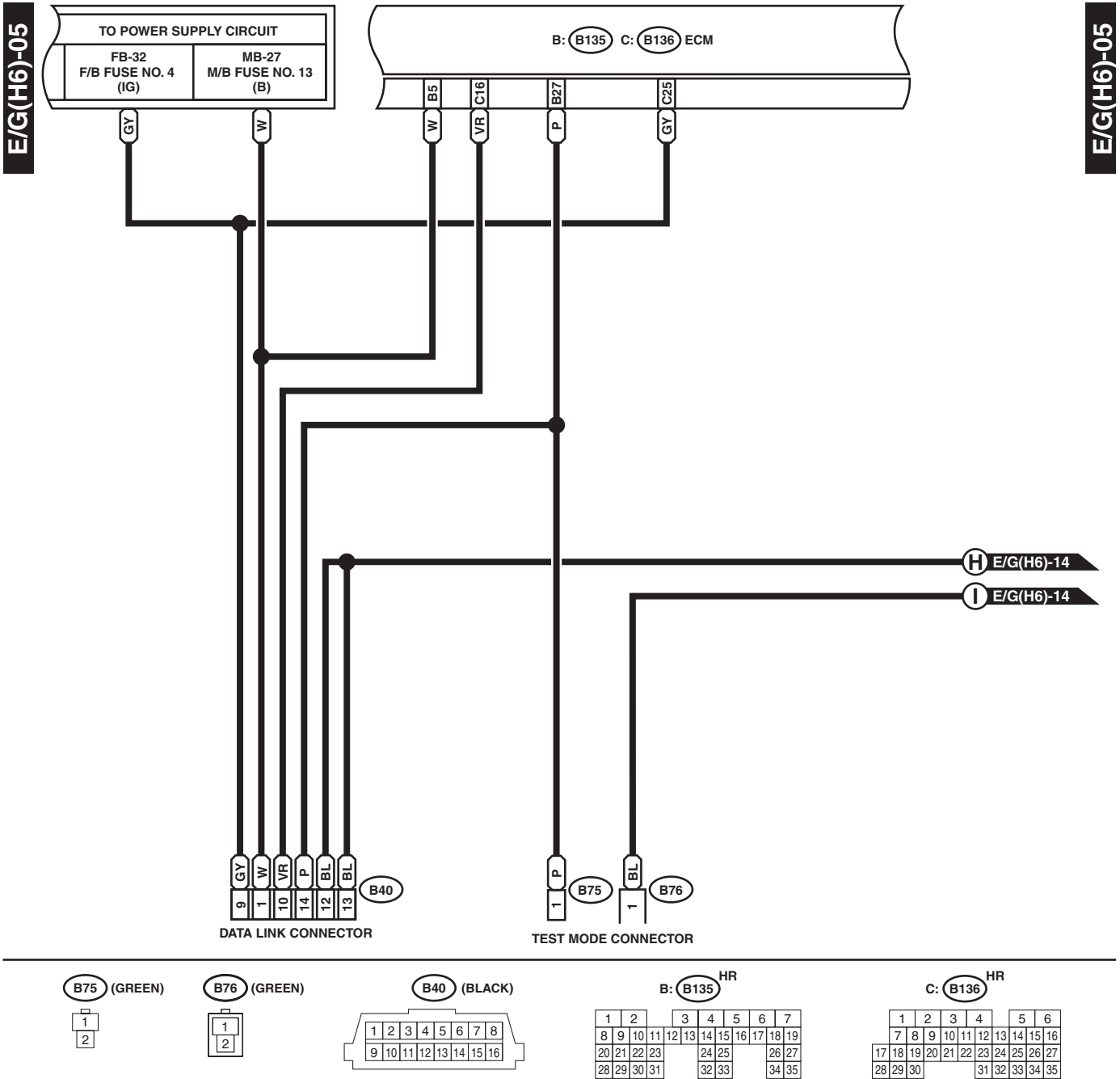


WI-11897

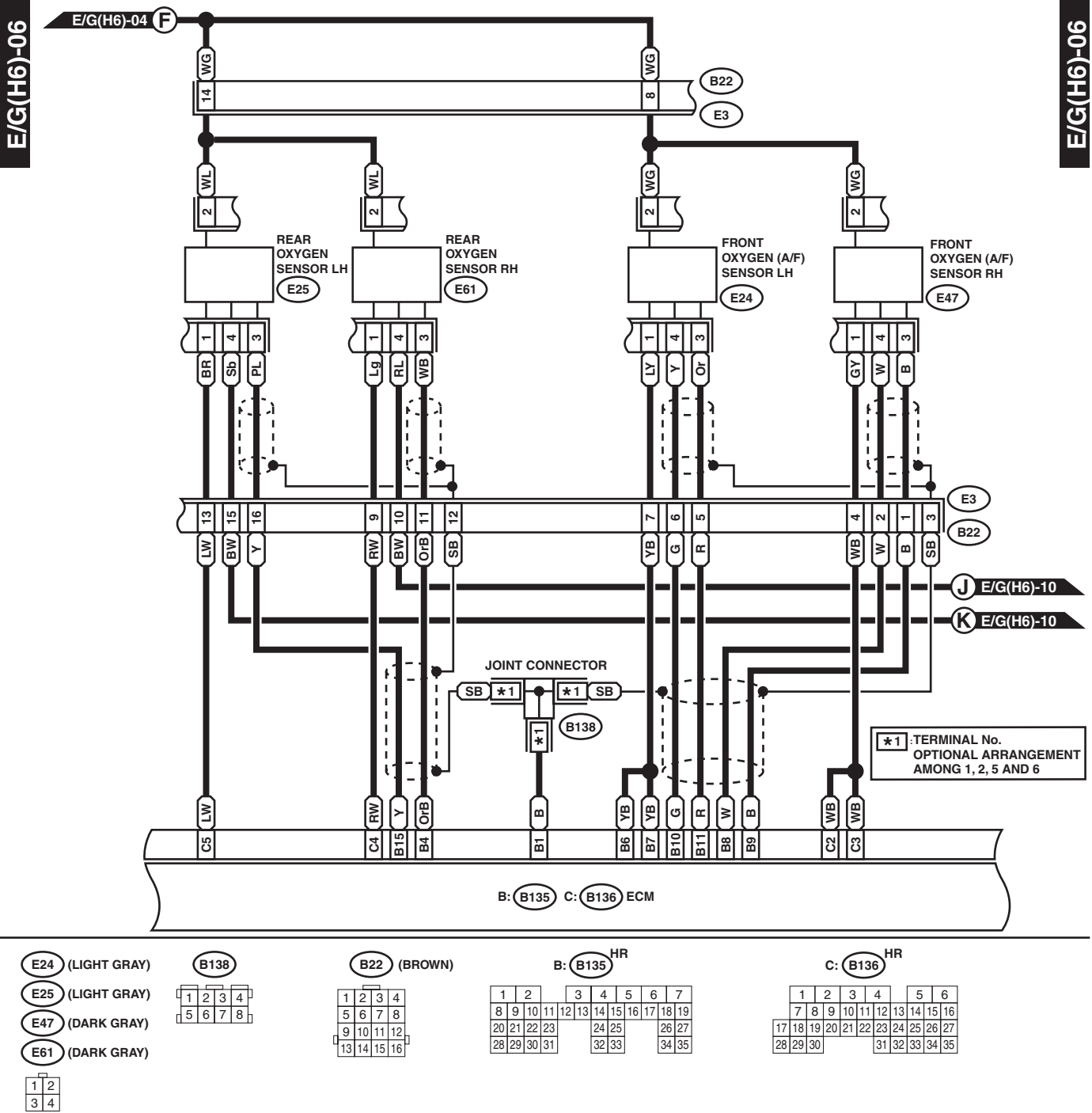


Engine Electrical System

WIRING SYSTEM

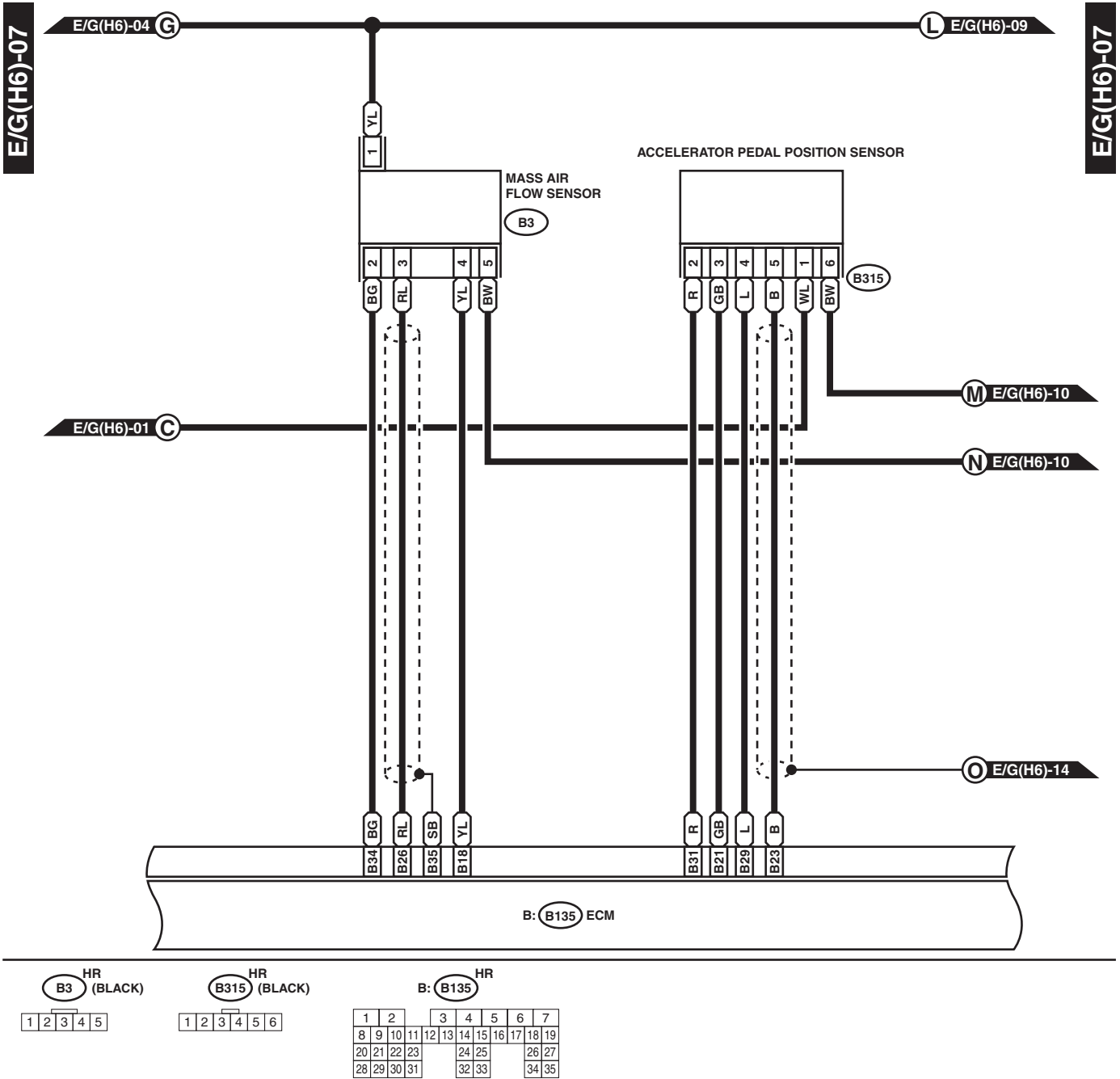


WI-11899

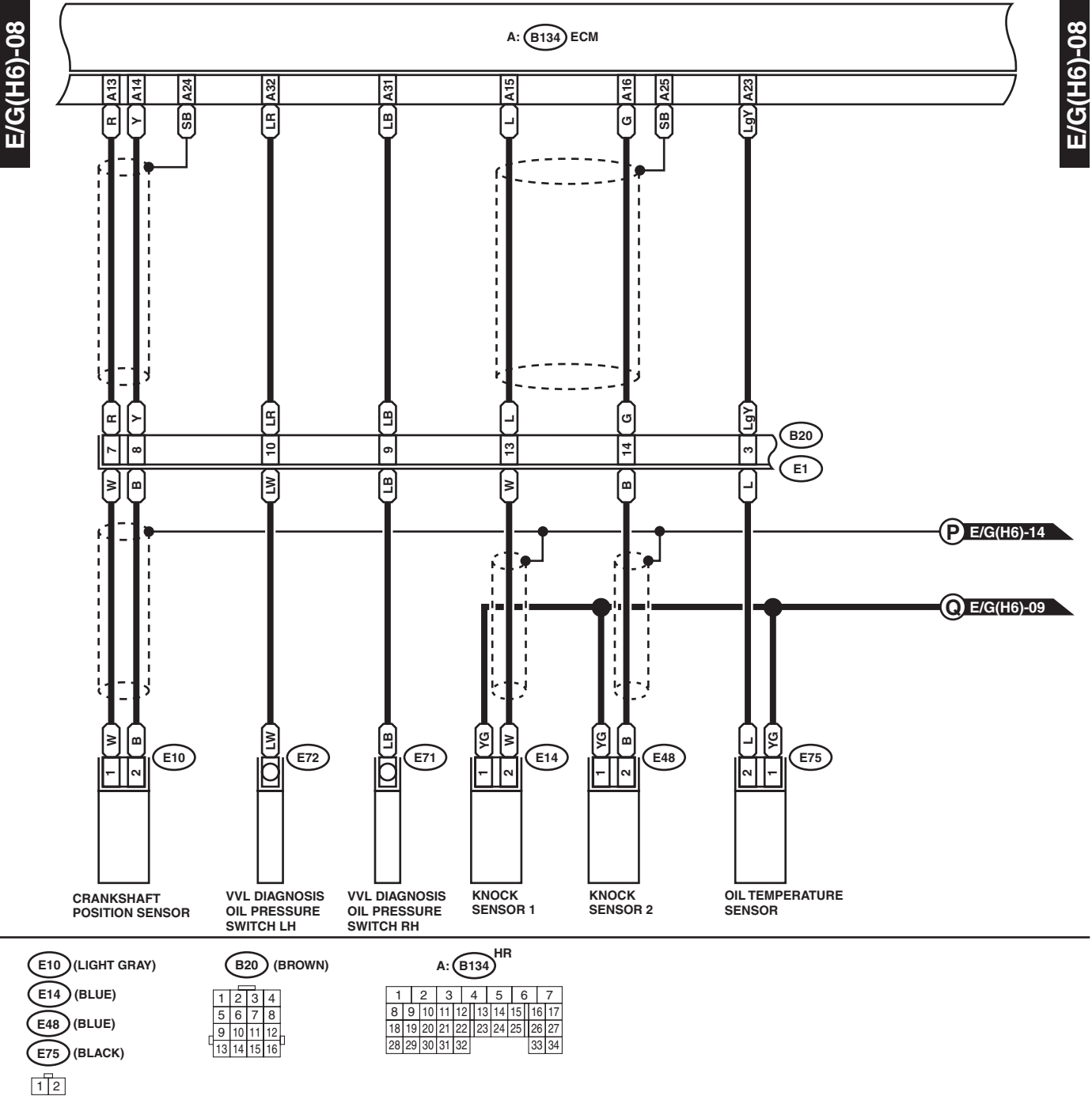


Engine Electrical System

WIRING SYSTEM

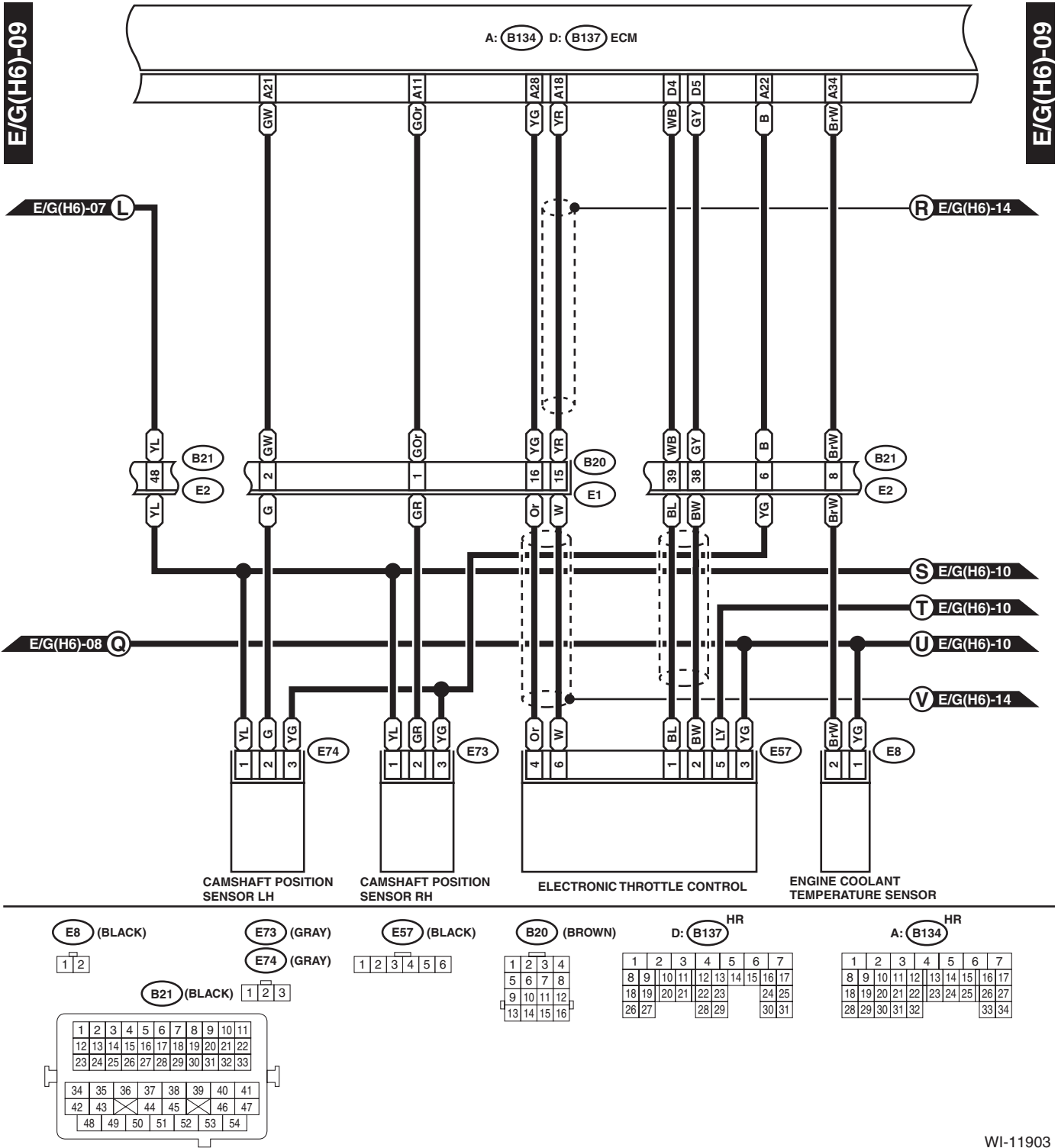


WI-11901



# Engine Electrical System

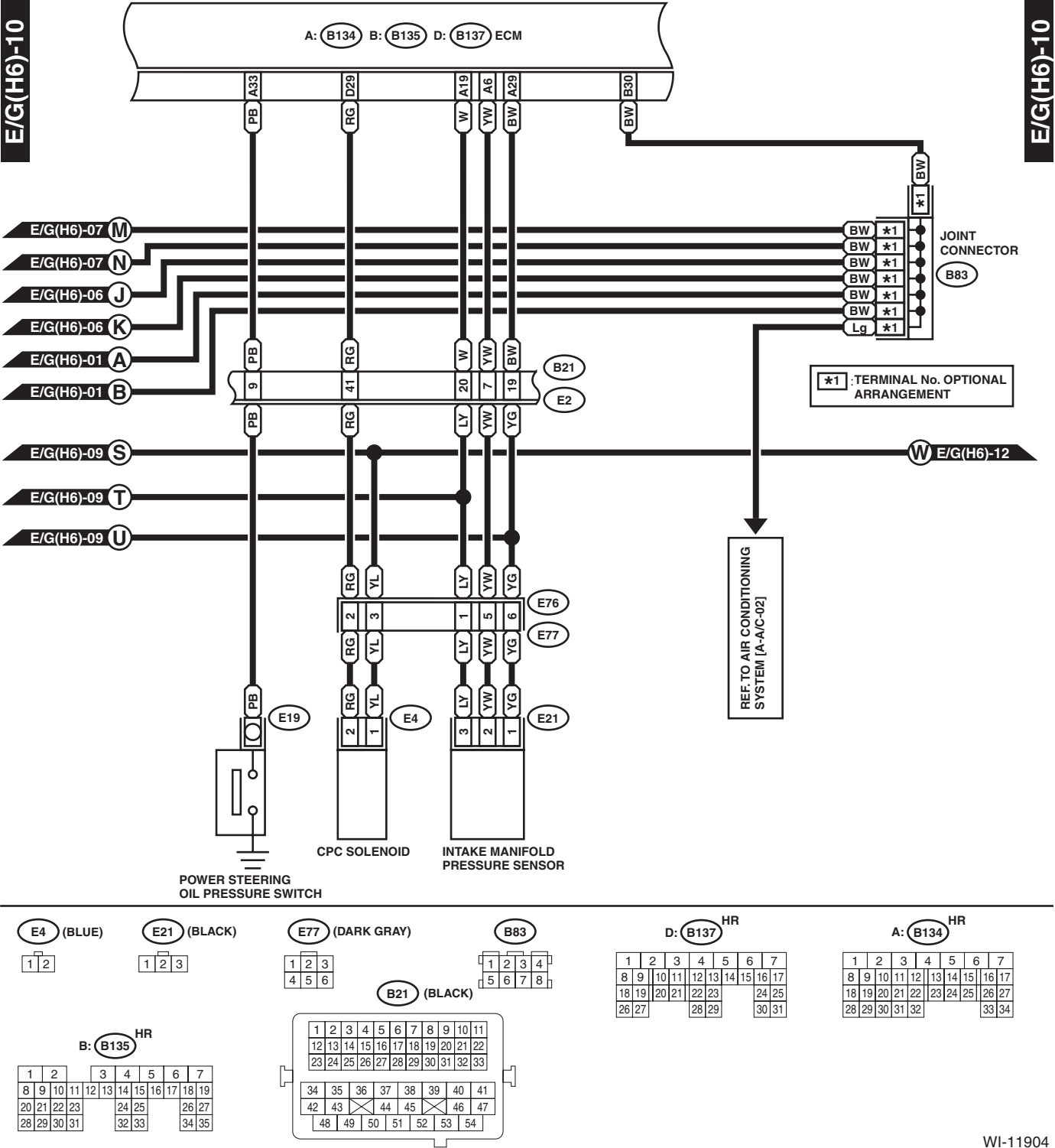
## WIRING SYSTEM



WI-11903

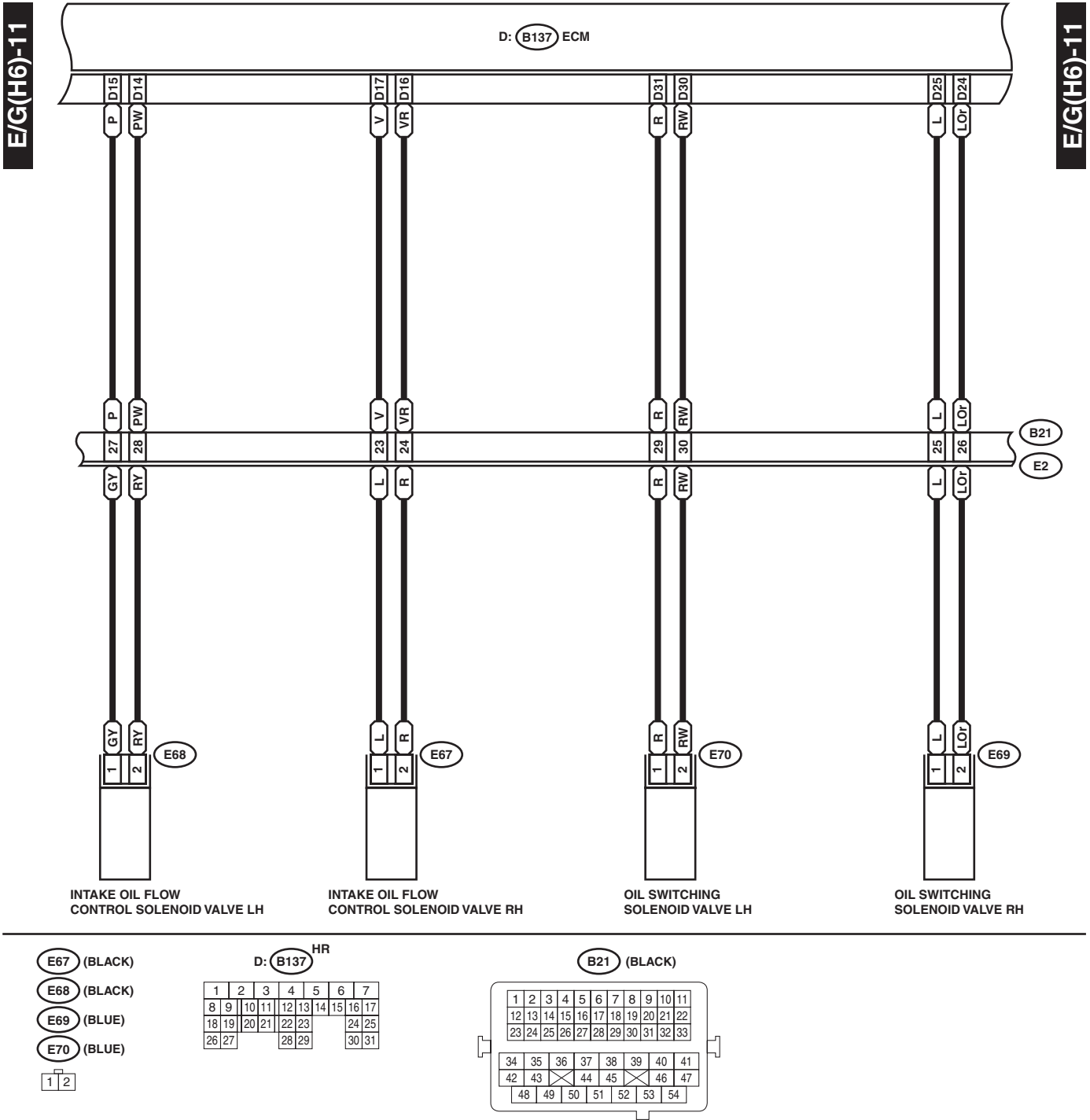
Engine Electrical System

WIRING SYSTEM



Engine Electrical System

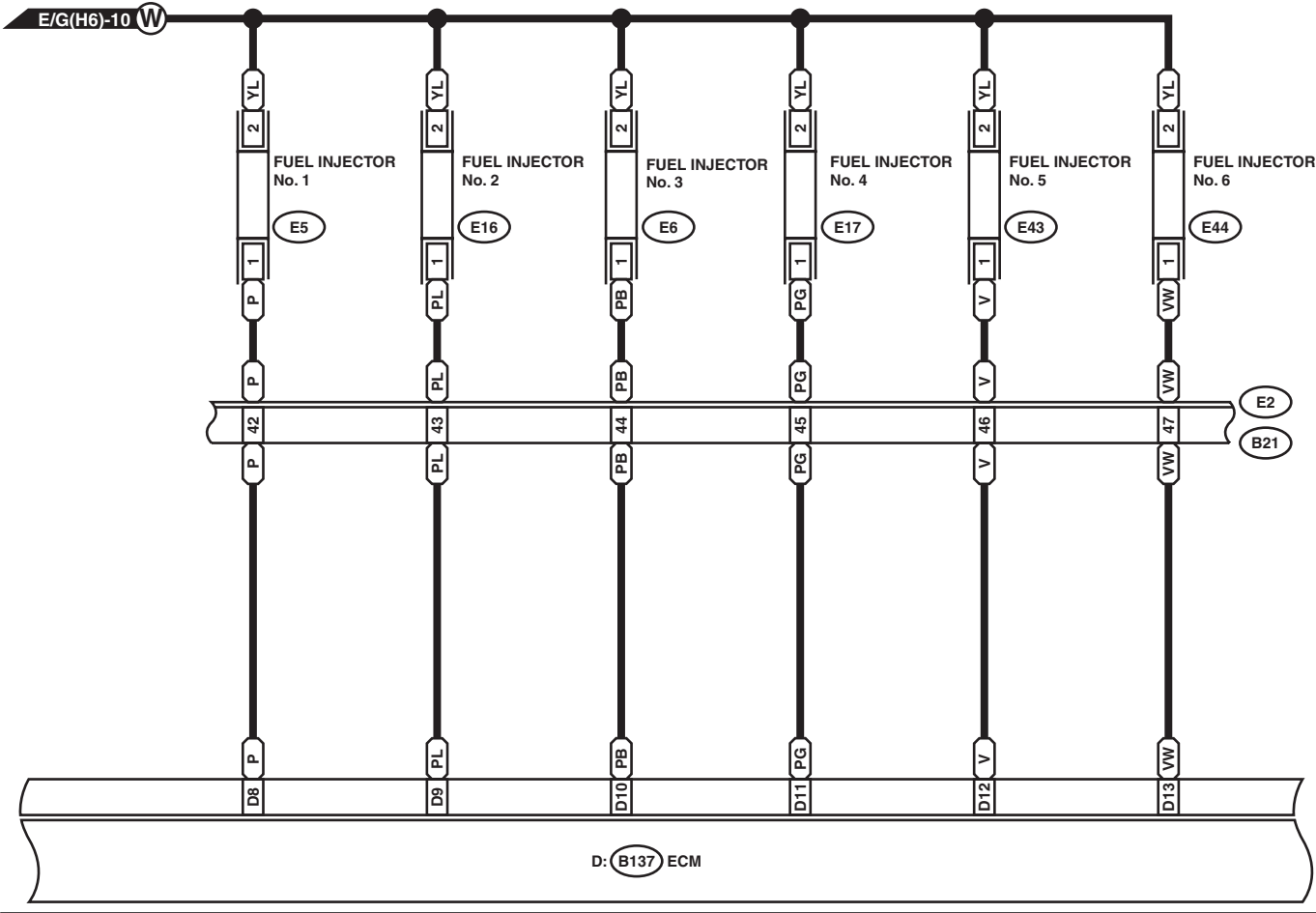
WIRING SYSTEM



WI-11905

E/G(H6)-12

E/G(H6)-12



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

D: B137 HR

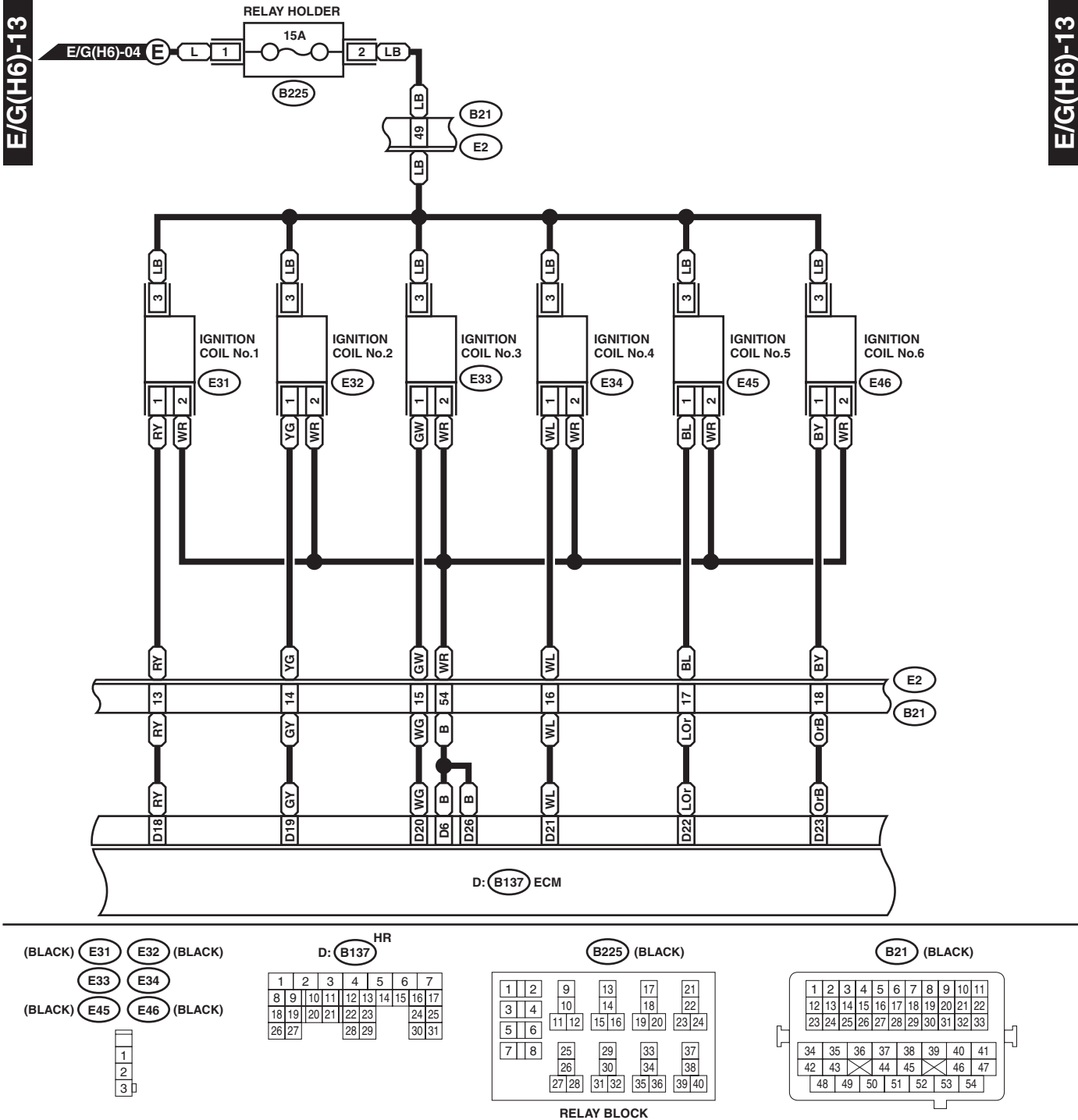
|    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|
| 1  | 2  | 3  | 4  | 5  | 6  | 7  |
| 8  | 9  | 10 | 11 | 12 | 13 | 14 |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 29 | 30 | 31 |    |    |    |    |

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 |    |    |    |    |

# Engine Electrical System

## WIRING SYSTEM



WI-11907

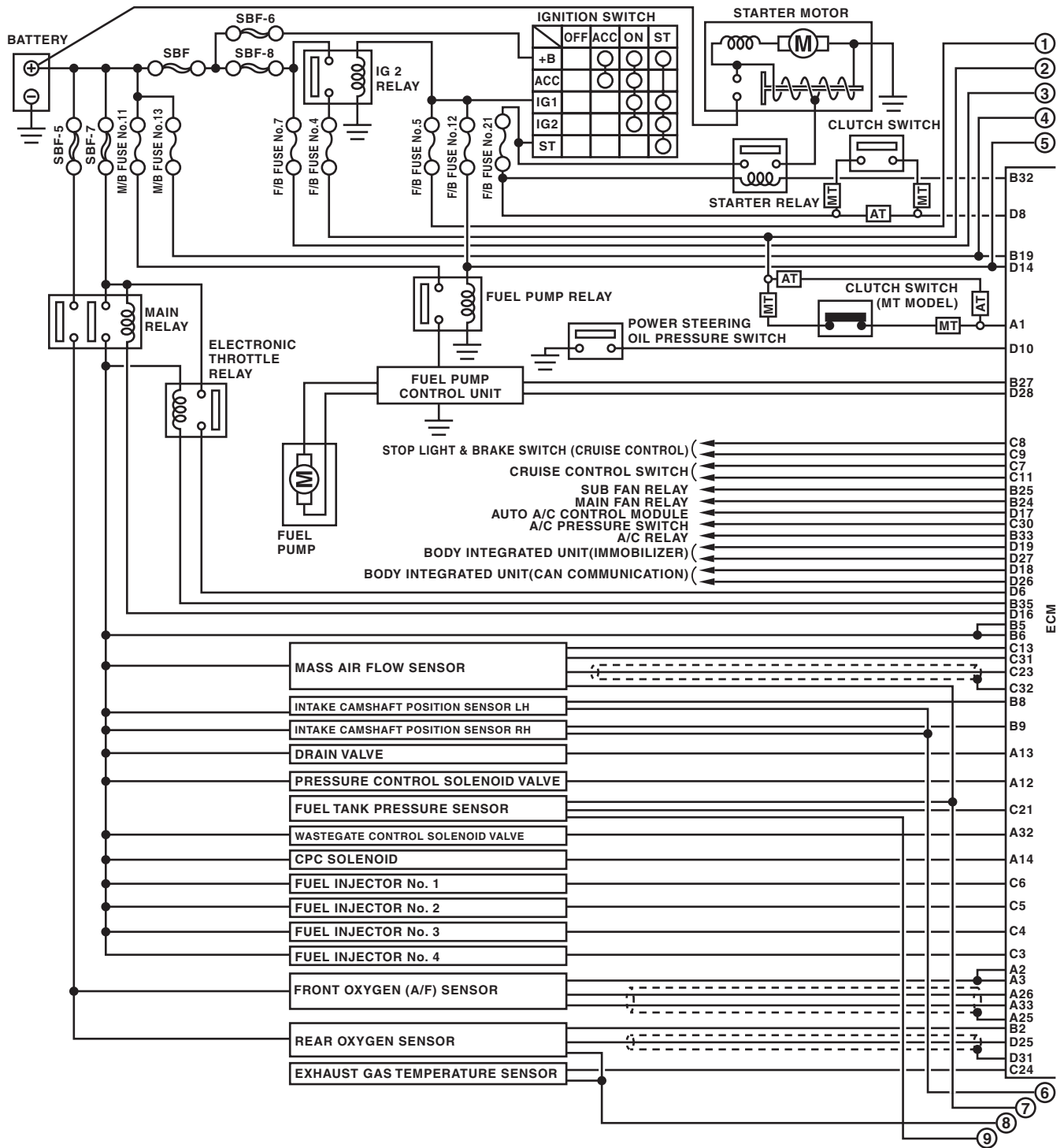
## WIRING SYSTEM



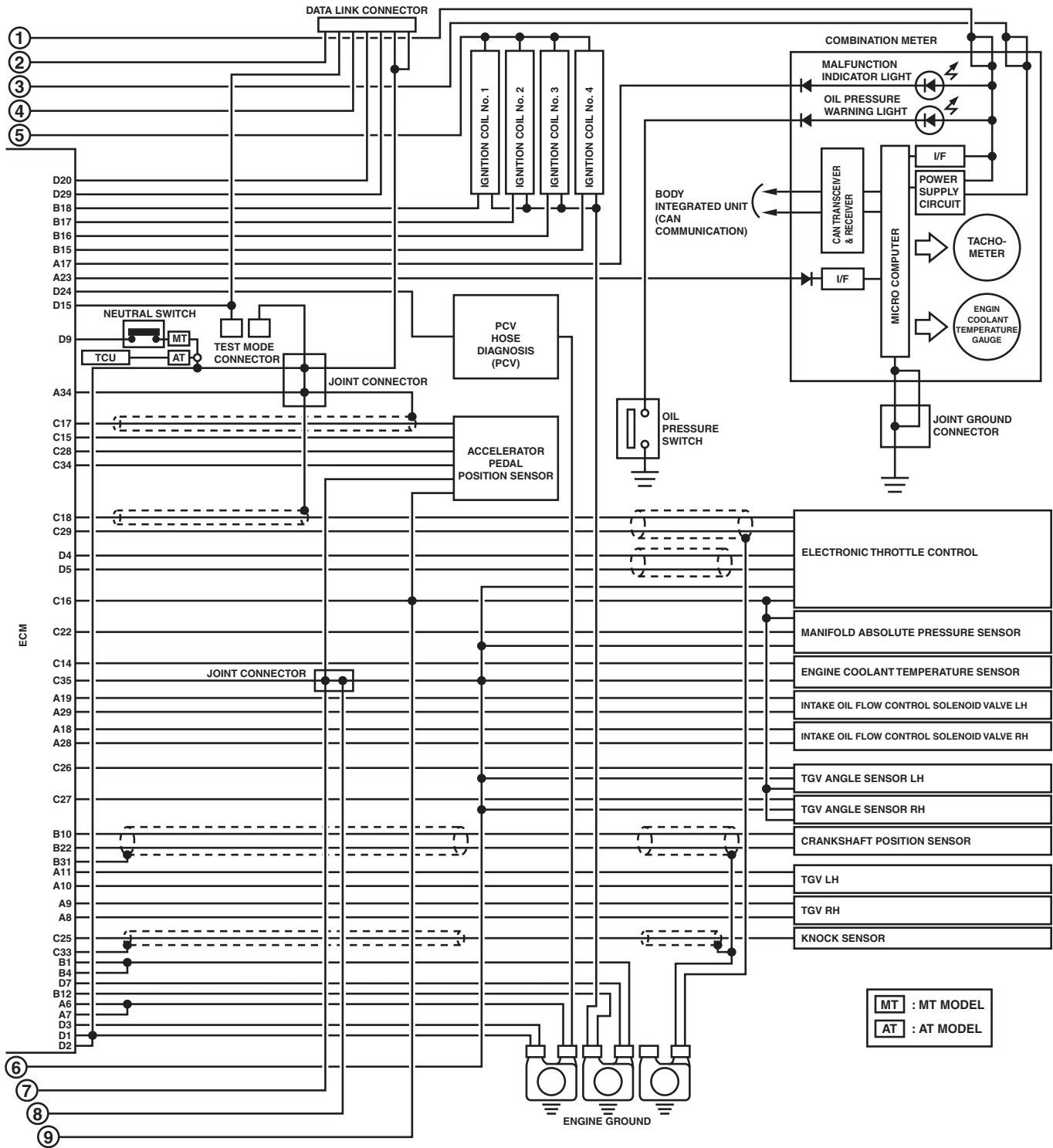
# Engine Electrical System

## WIRING SYSTEM

### 3. 2.5 L TURBO MODEL



WI-11069



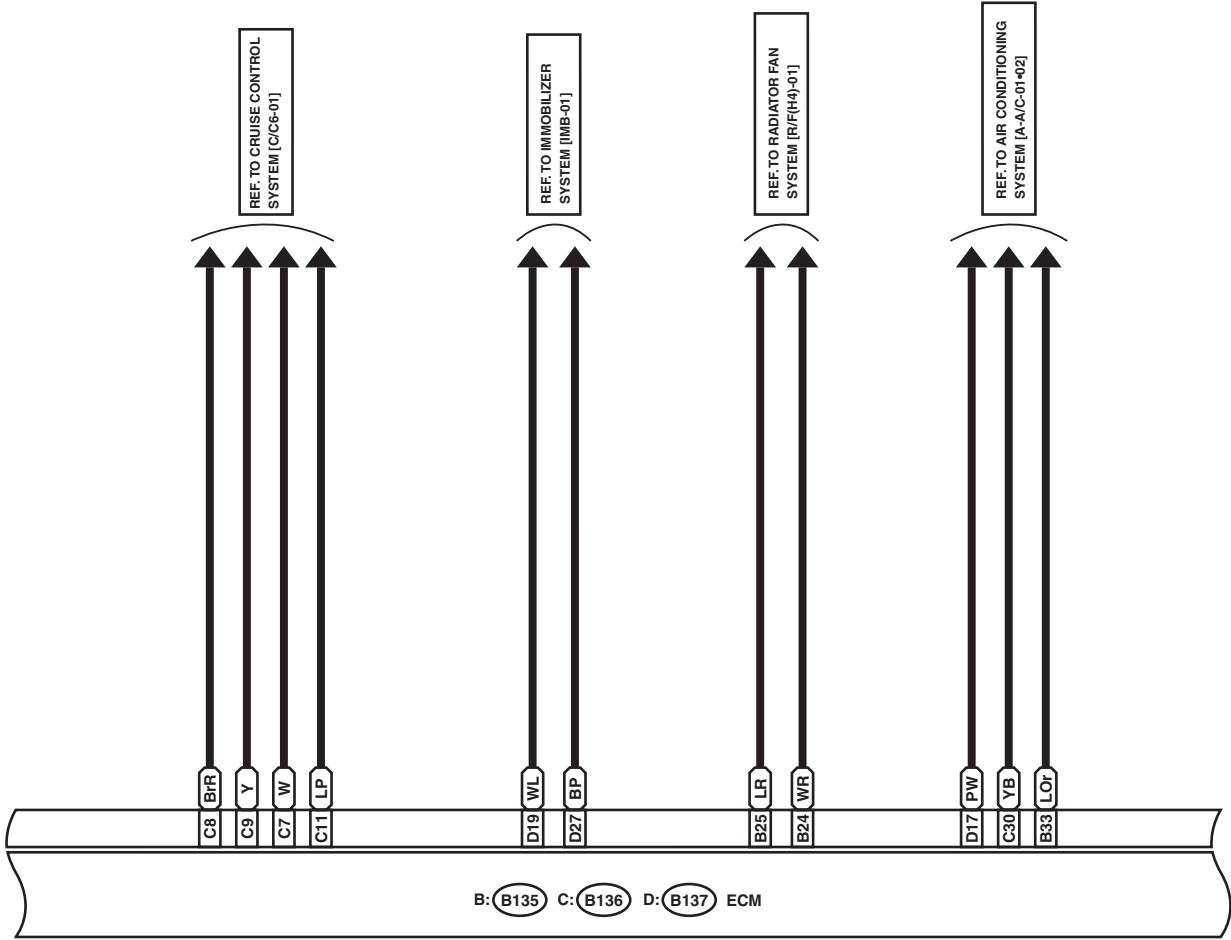
WI-10874

## WIRING SYSTEM



E/G(TB)-02

E/G(TB)-02



D: (B137)<sup>HR</sup>

|    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|
| 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 |    |    |    |    |

B: (B135)<sup>HR</sup>

|    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|
| 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)<sup>HR</sup>

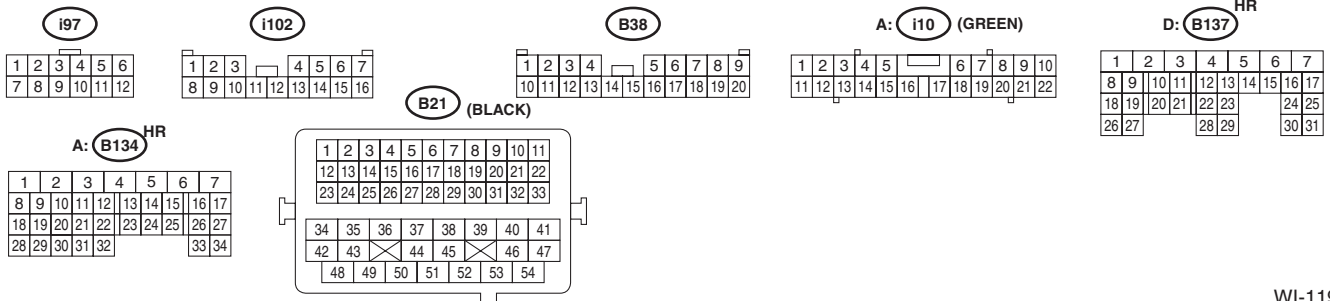
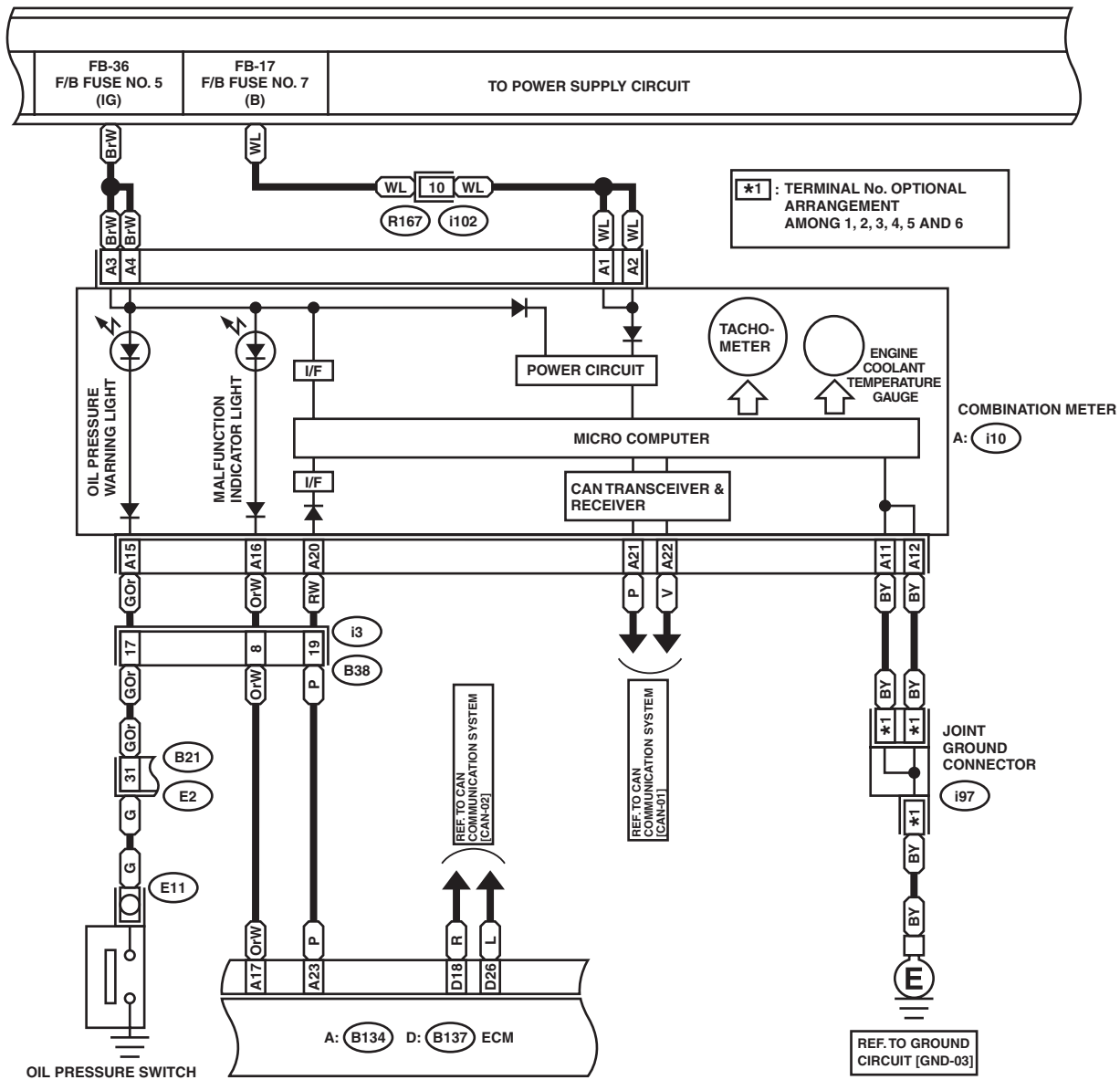
|    |    |    |    |    |    |
|----|----|----|----|----|----|
| 1  | 2  | 3  | 4  | 5  | 6  |
| 7  | 8  | 9  | 10 | 11 | 12 |
| 13 | 14 | 15 | 16 | 17 | 18 |
| 19 | 20 | 21 | 22 | 23 | 24 |
| 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | 32 | 33 | 34 | 35 |    |

# Engine Electrical System

## WIRING SYSTEM

E/G(TB)-03

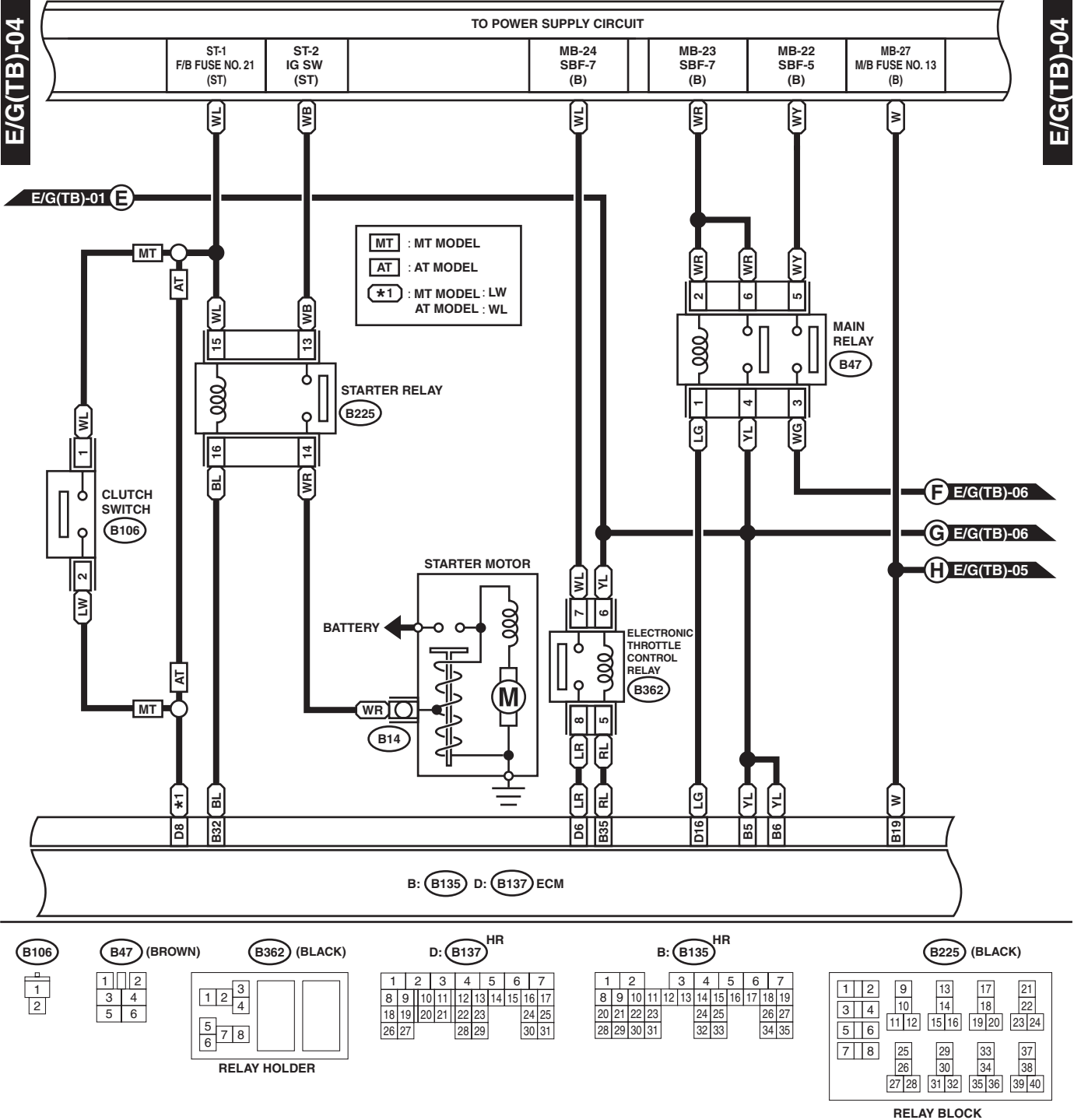
E/G(TB)-03



WI-11911

Engine Electrical System

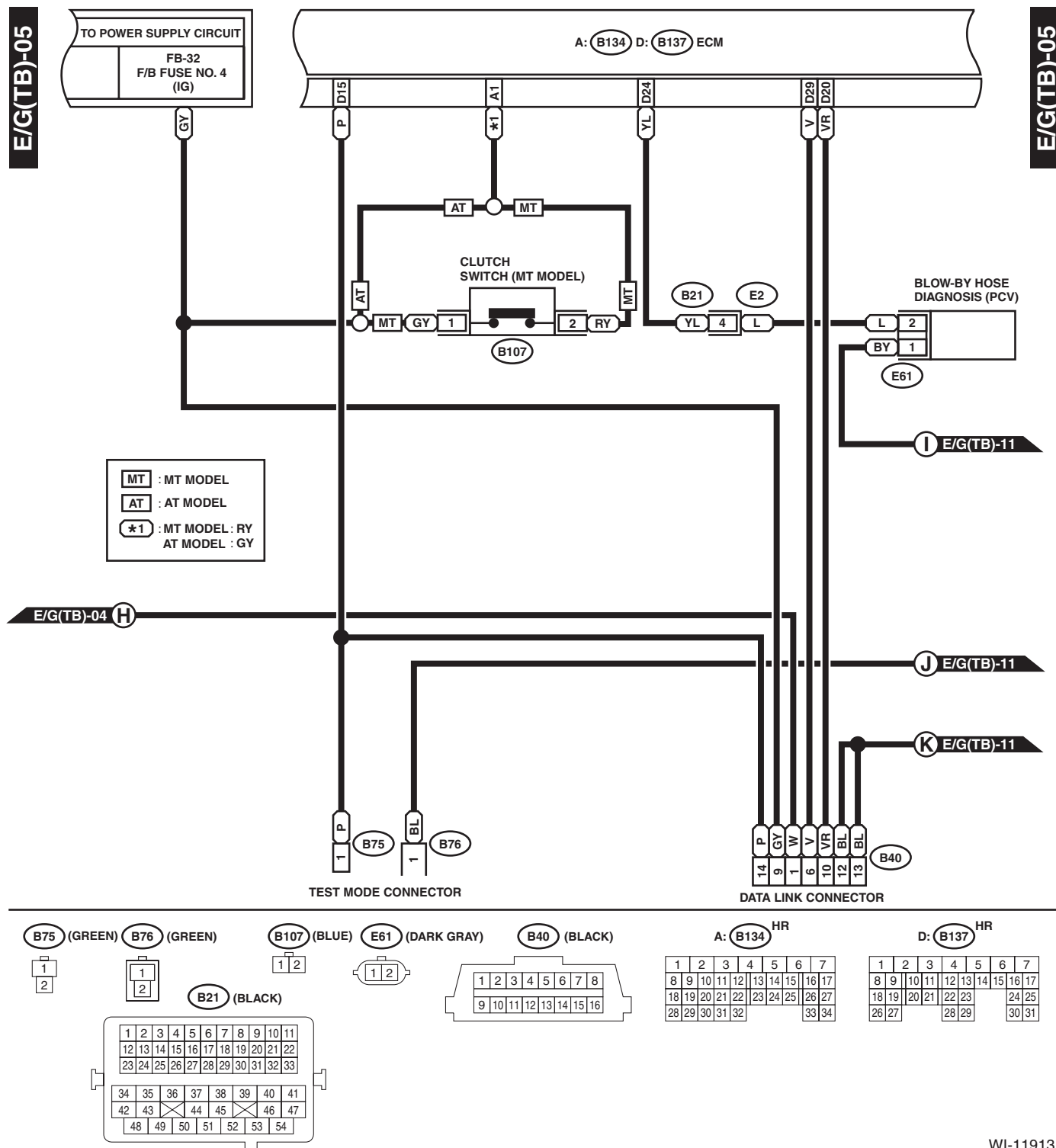
WIRING SYSTEM



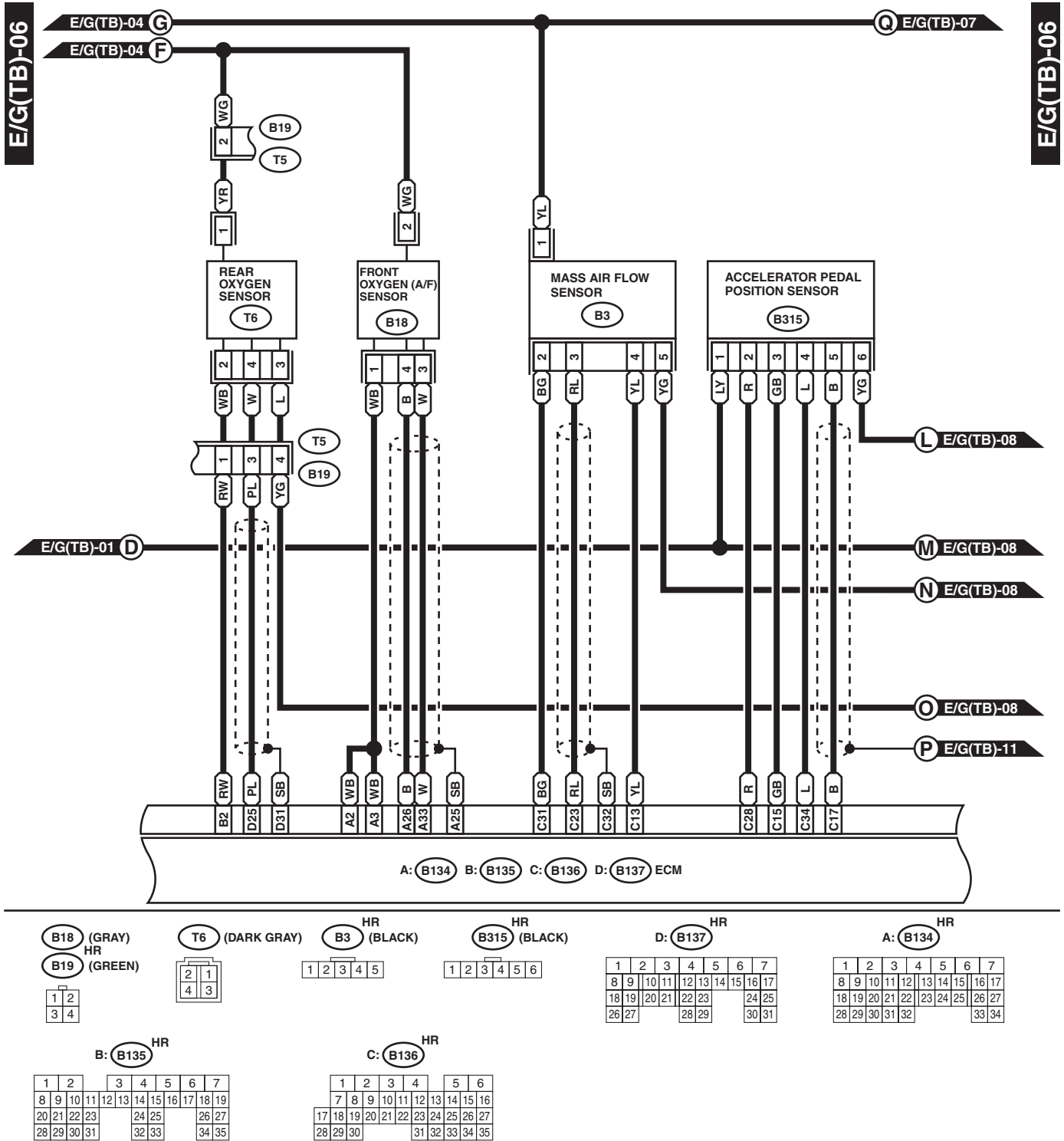
WI-11912

# Engine Electrical System

## WIRING SYSTEM

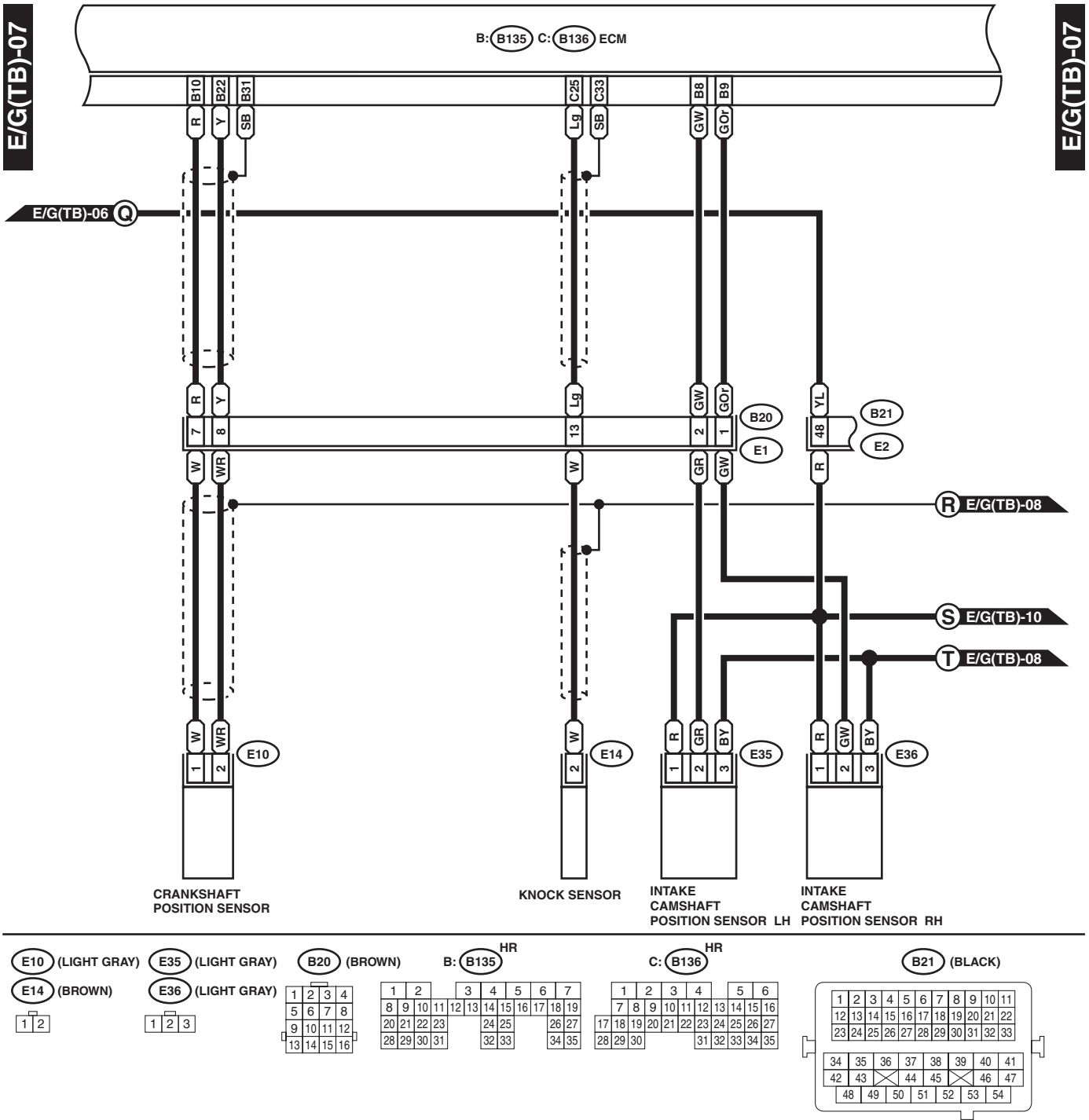


WI-11913



Engine Electrical System

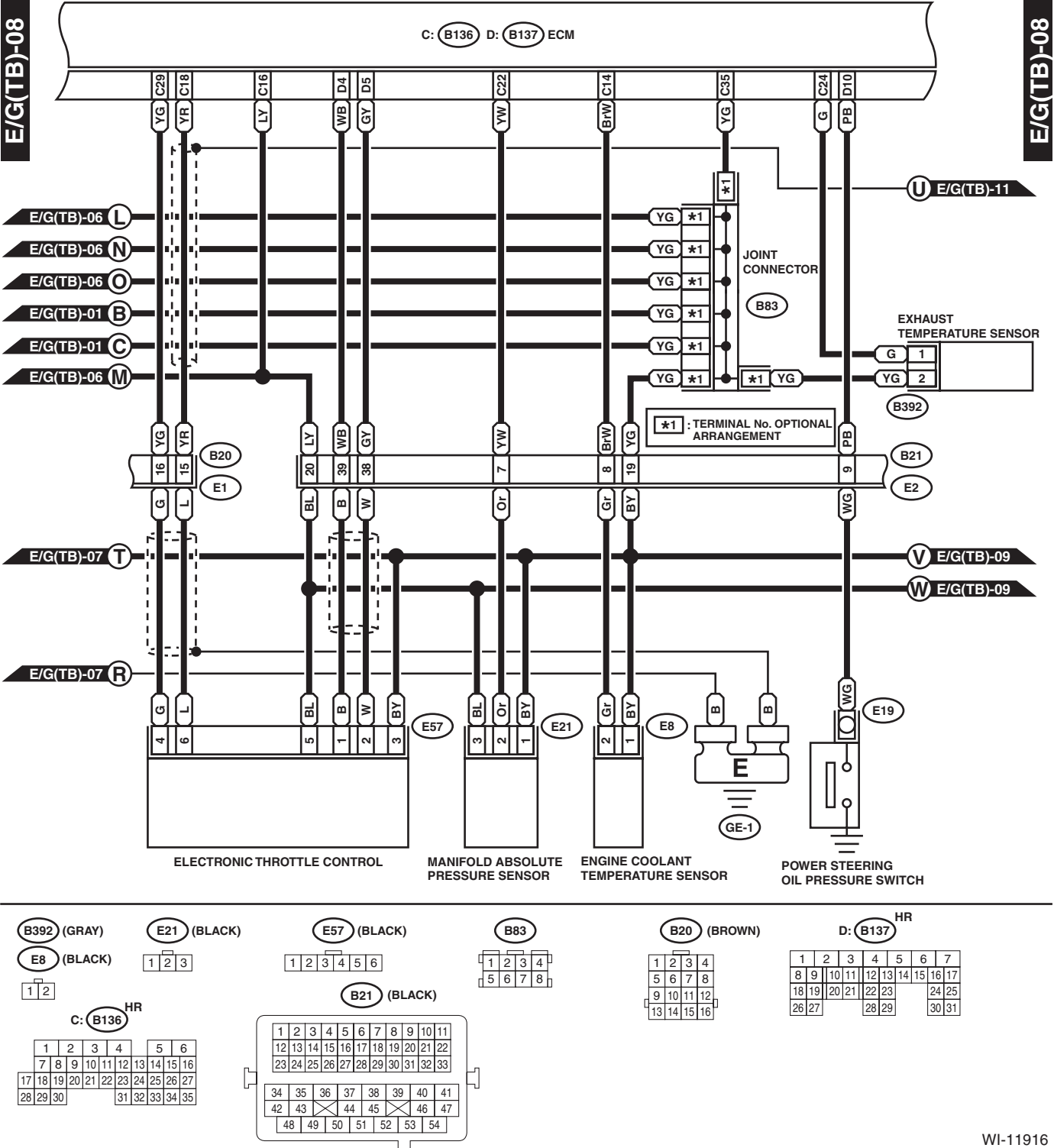
WIRING SYSTEM



WI-11915

Engine Electrical System

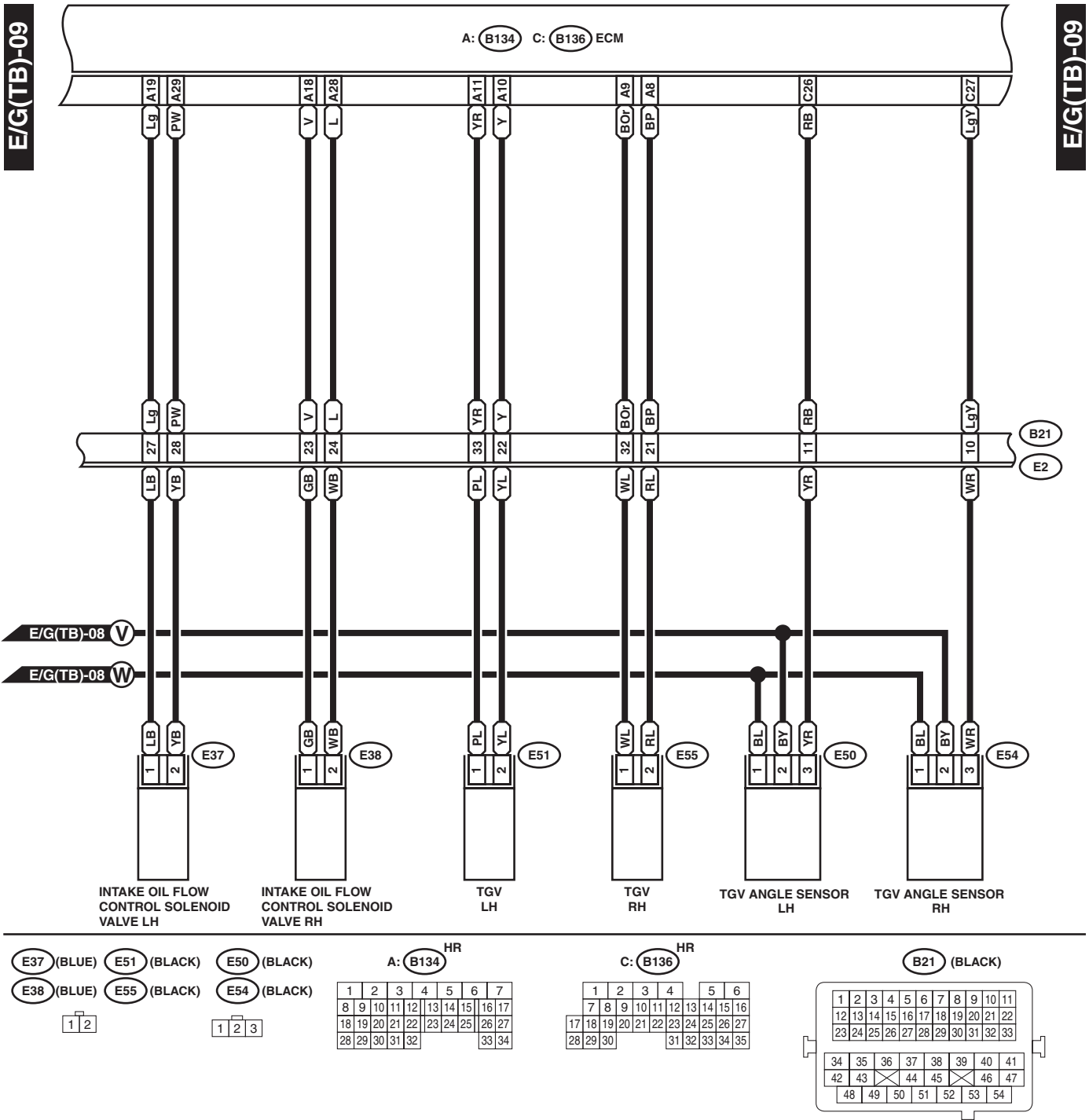
WIRING SYSTEM



WI-11916

Engine Electrical System

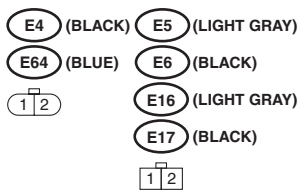
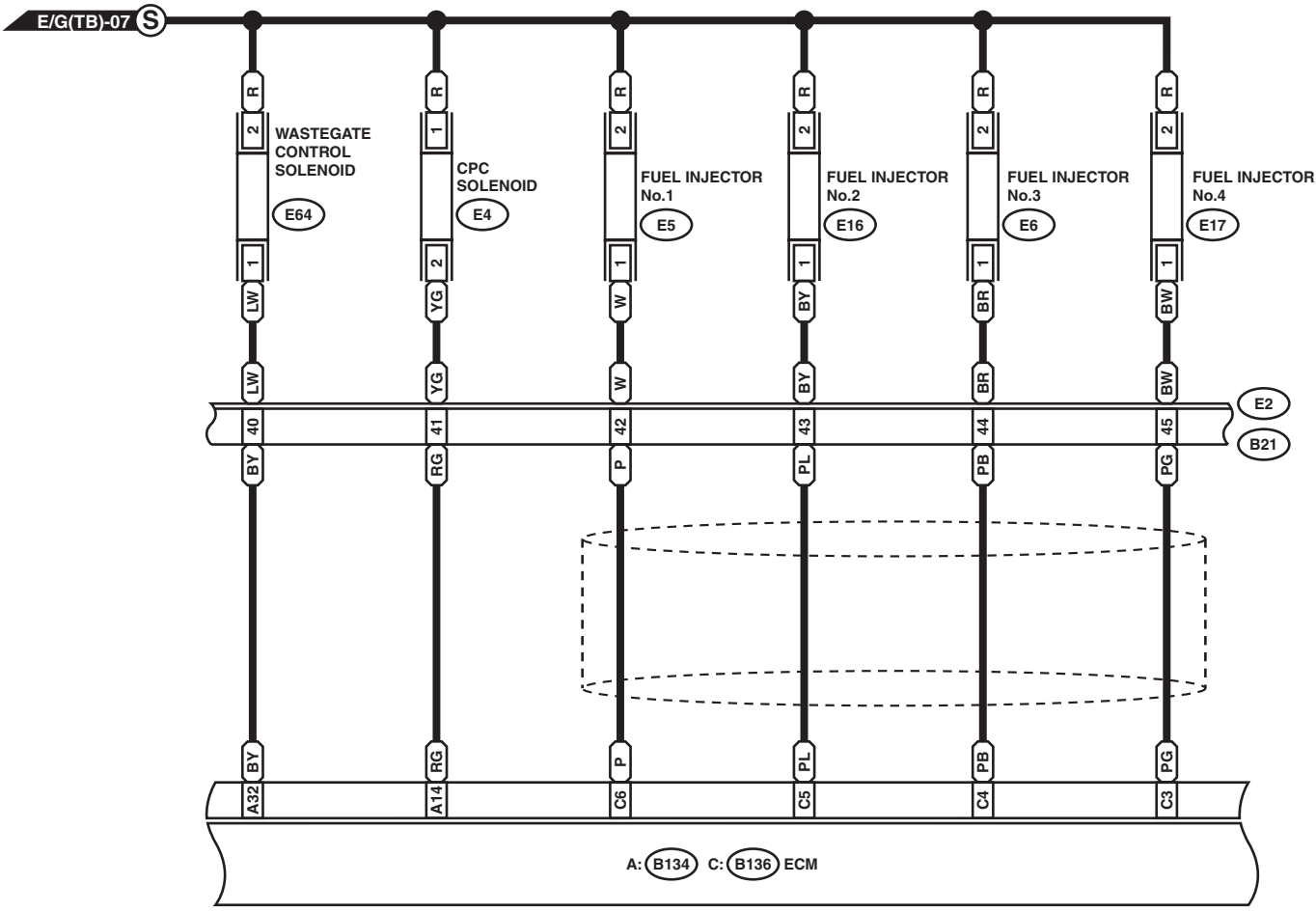
WIRING SYSTEM



WI-11917

E/G(TB)-10

E/G(TB)-10



A: B134<sup>HR</sup>

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

C: B136<sup>HR</sup>

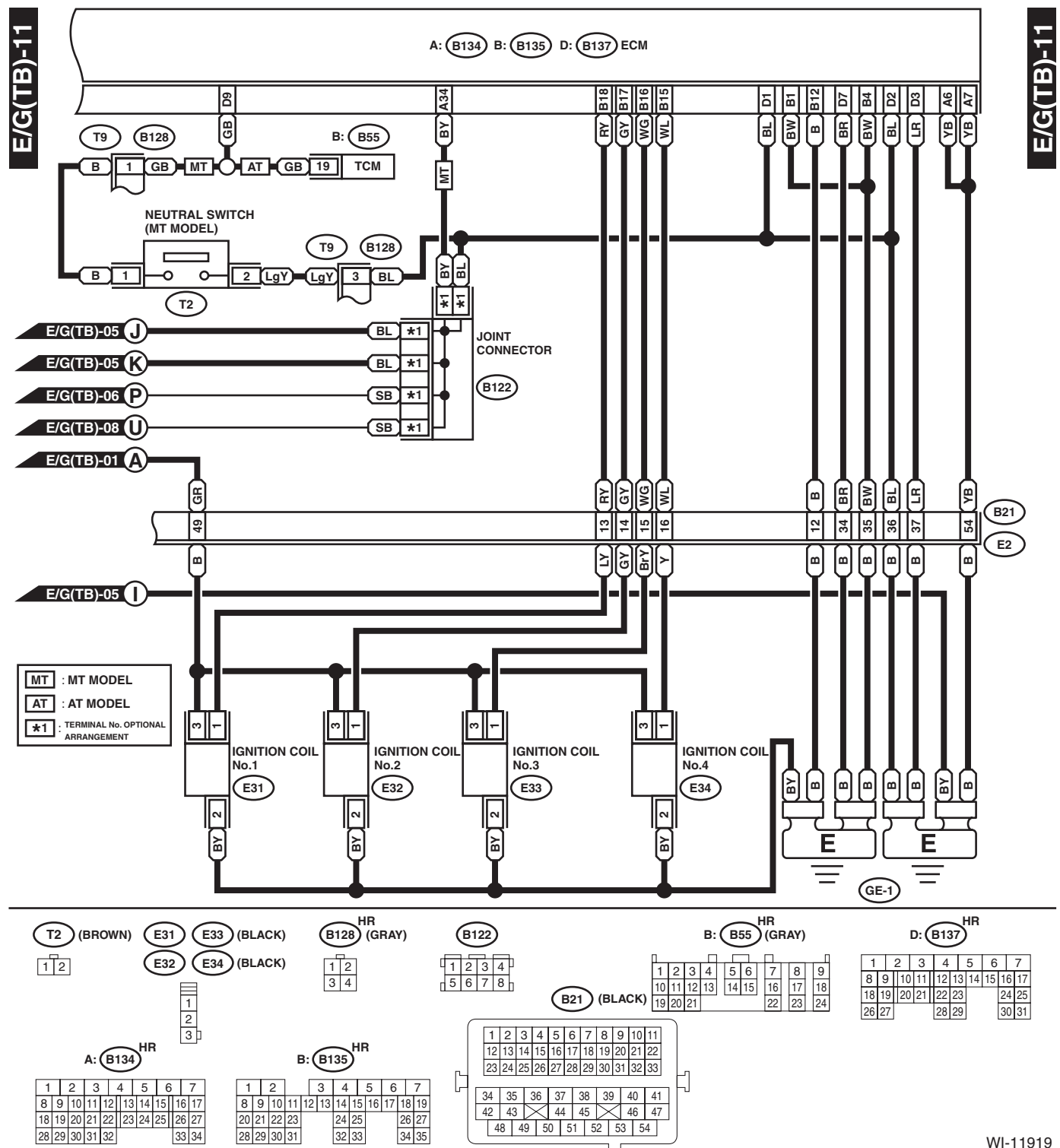
|    |    |    |    |    |    |
|----|----|----|----|----|----|
| 1  | 2  | 3  | 4  | 5  | 6  |
| 7  | 8  | 9  | 10 | 11 | 12 |
| 13 | 14 | 15 | 16 | 17 | 18 |
| 19 | 20 | 21 | 22 | 23 | 24 |
| 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | 32 | 33 | 34 | 35 |    |

B21 (BLACK)

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

WI-11918

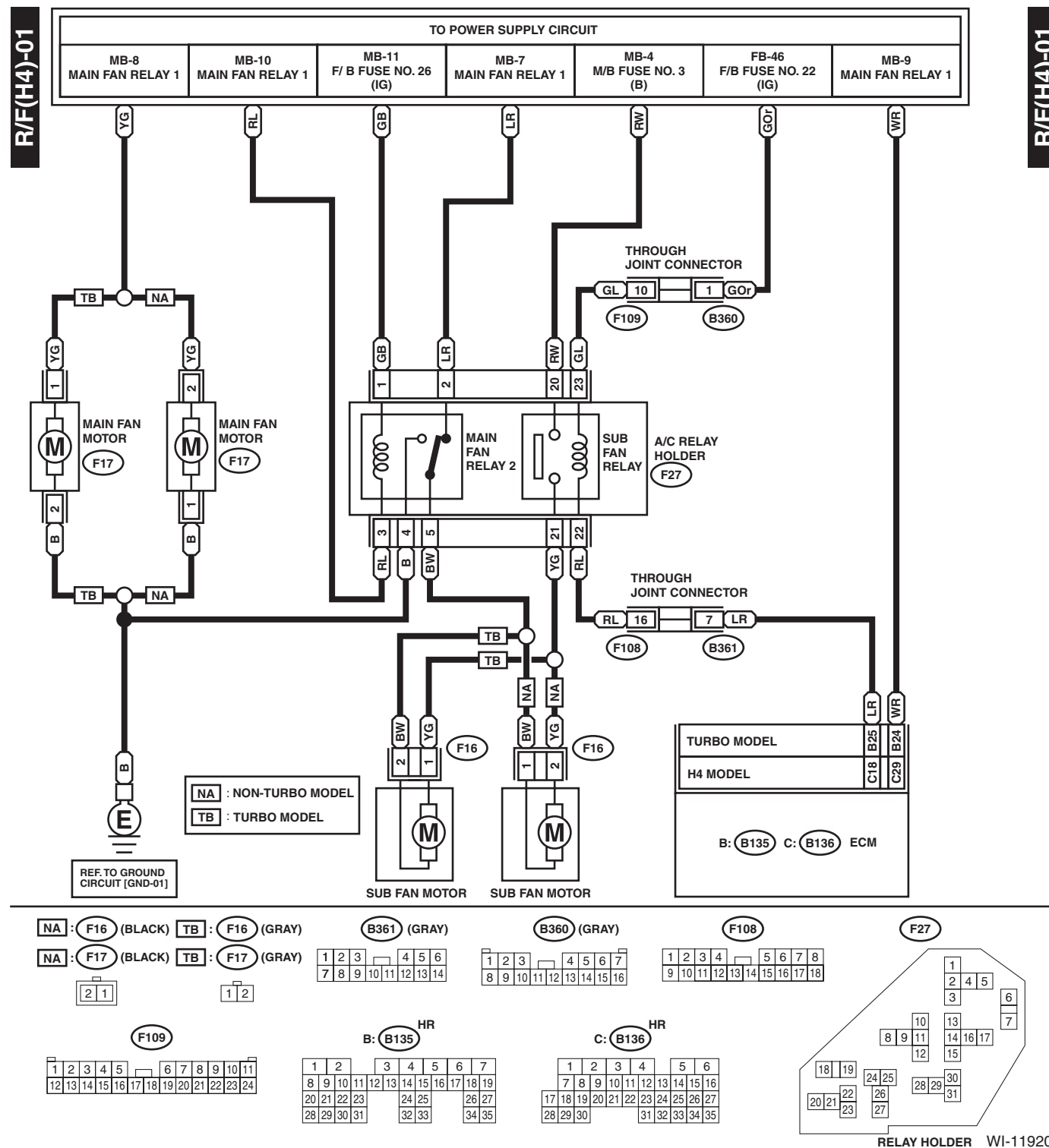
## WIRING SYSTEM



## 6. Radiator Fan System

### A: WIRING DIAGRAM

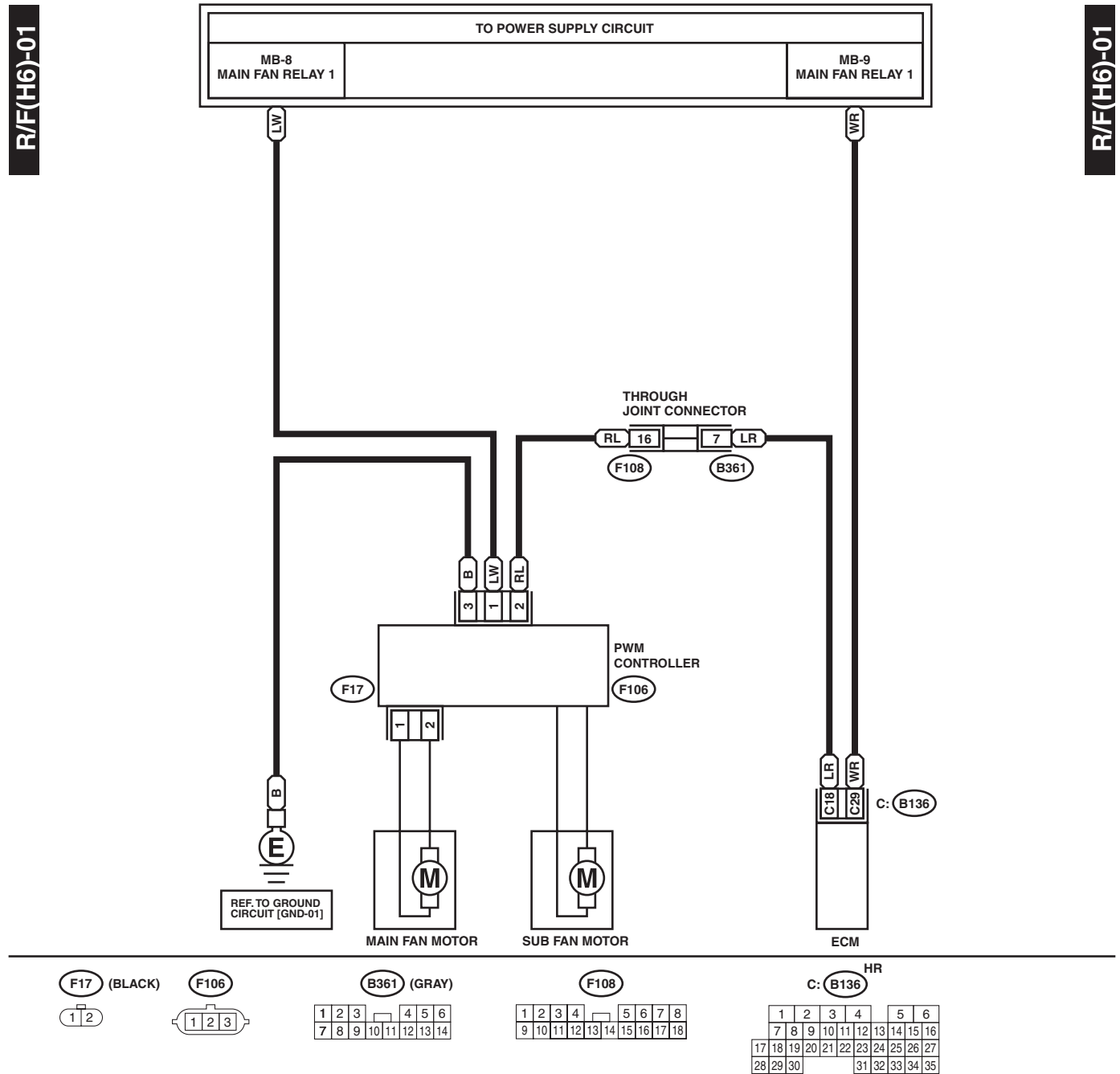
#### 1. 2.5 L MODEL



# Radiator Fan System

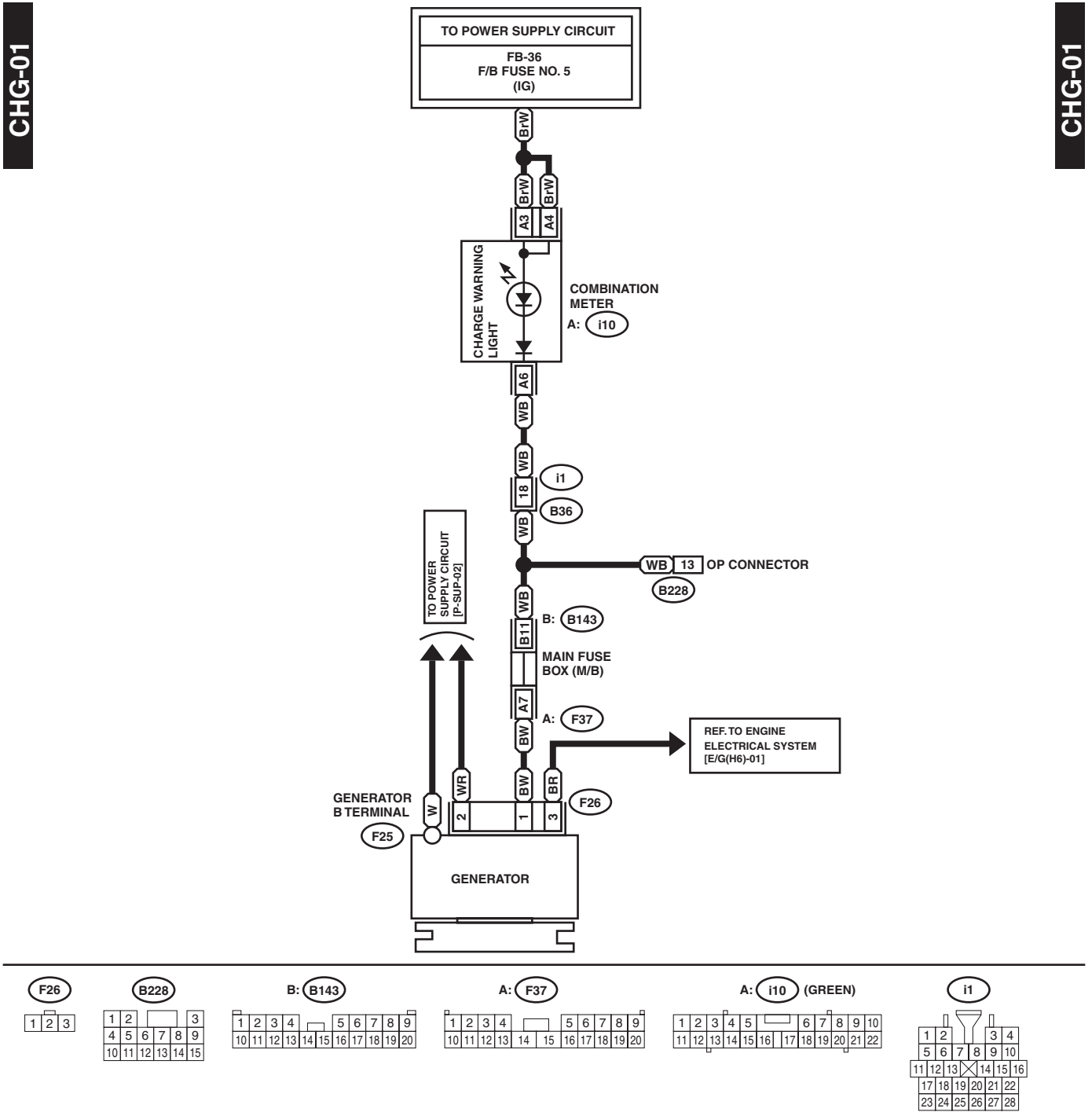
## WIRING SYSTEM

### 2. 3.0 L MODEL



WI-11921

7. Charging System  
A: WIRING DIAGRAM



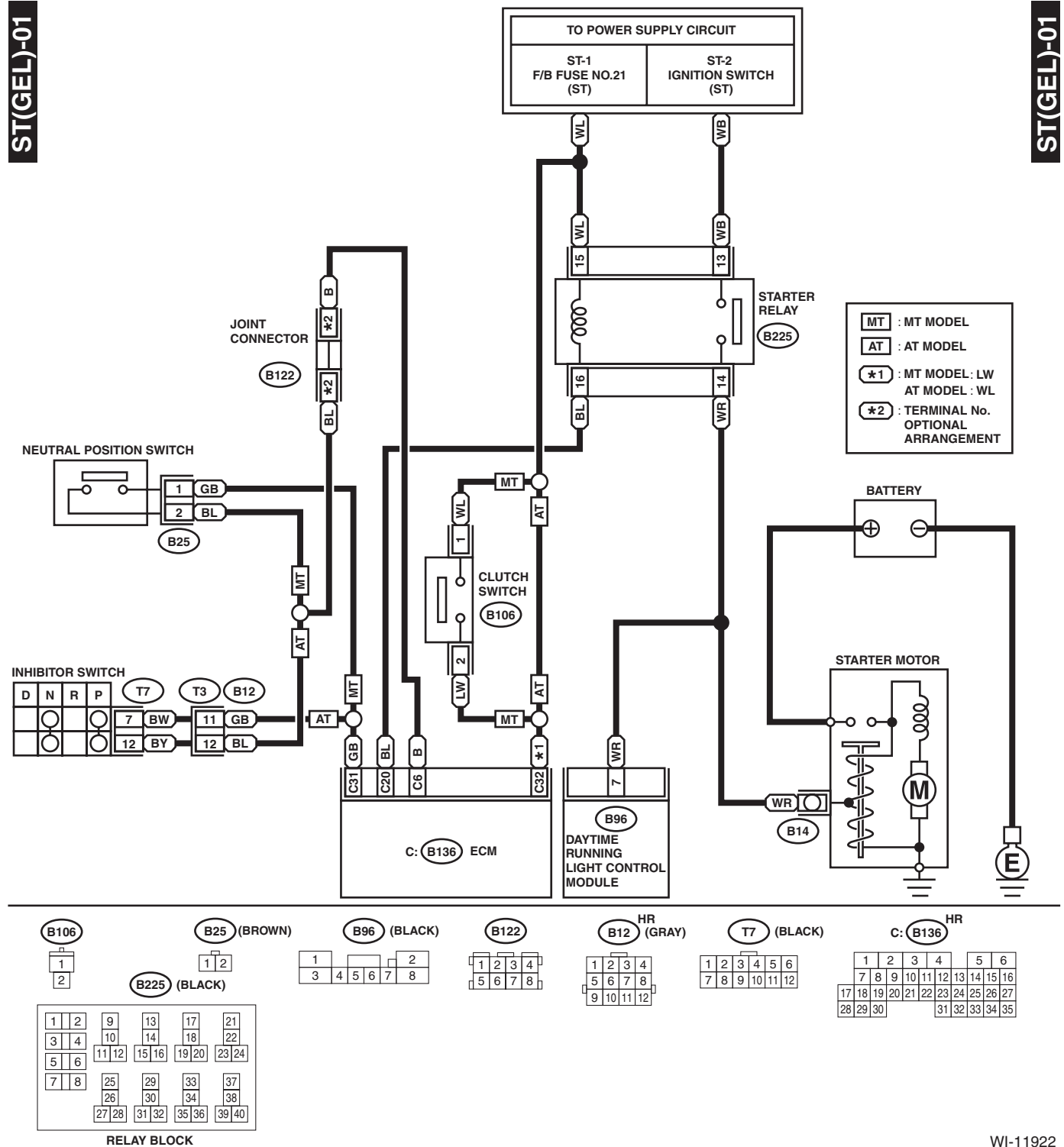
# Starter System

## WIRING SYSTEM

### 8. Starter System

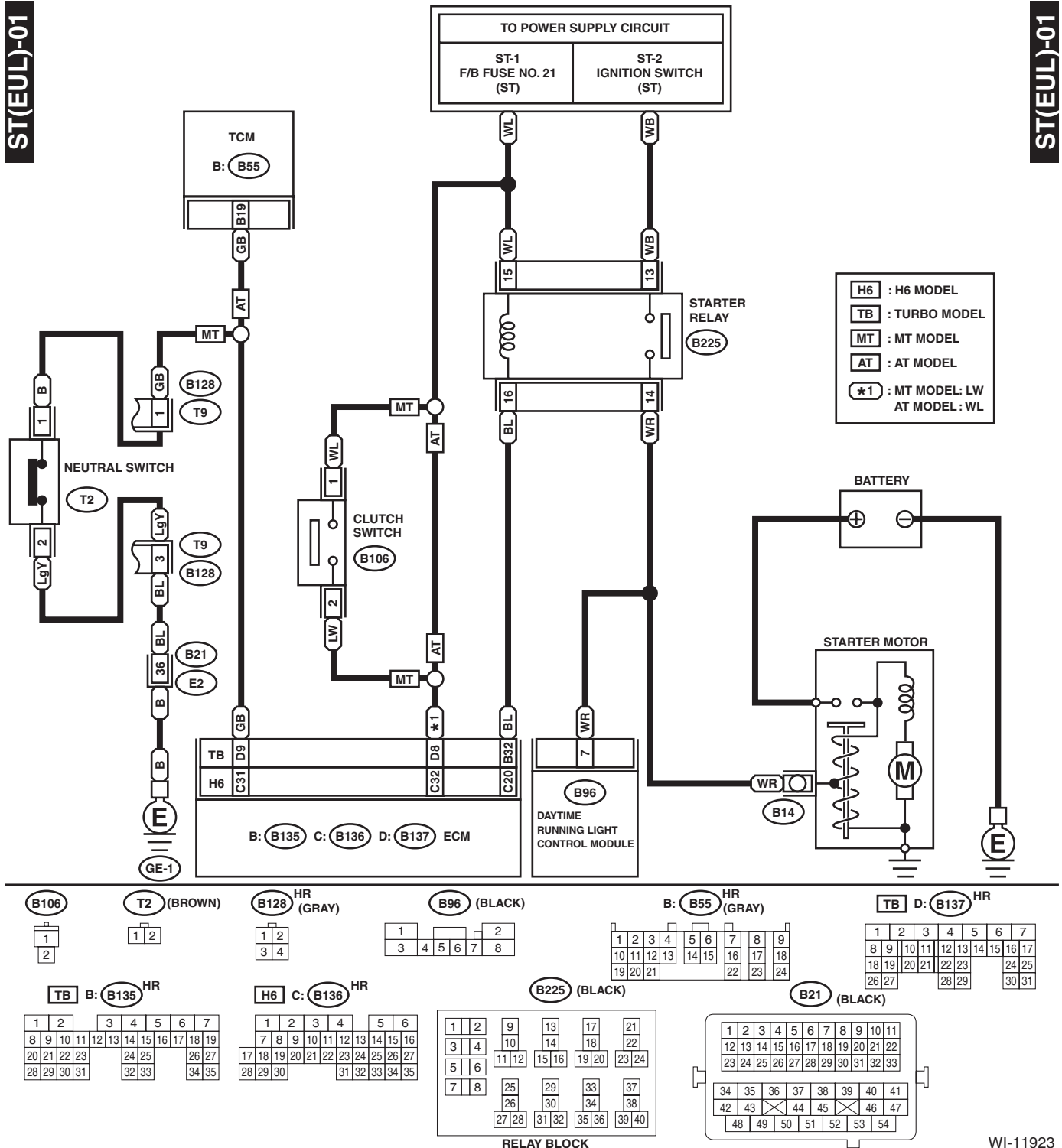
#### A: WIRING DIAGRAM

##### 1. 2.5 L NON-TURBO MODEL



WI-11922

## 2. 2.5L TURBO MODEL AND 3.0 L MODEL



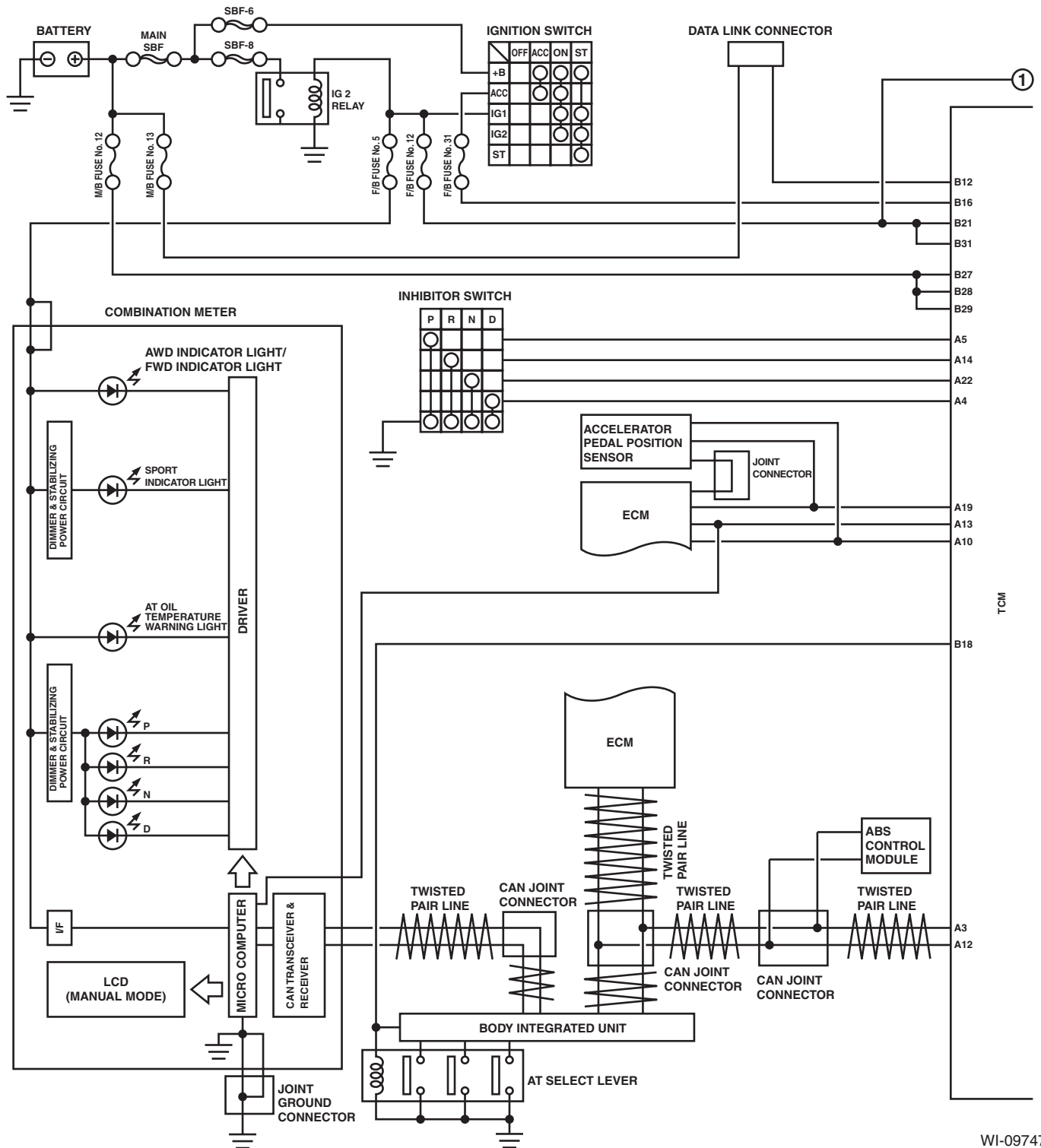
# AT Control System

## WIRING SYSTEM

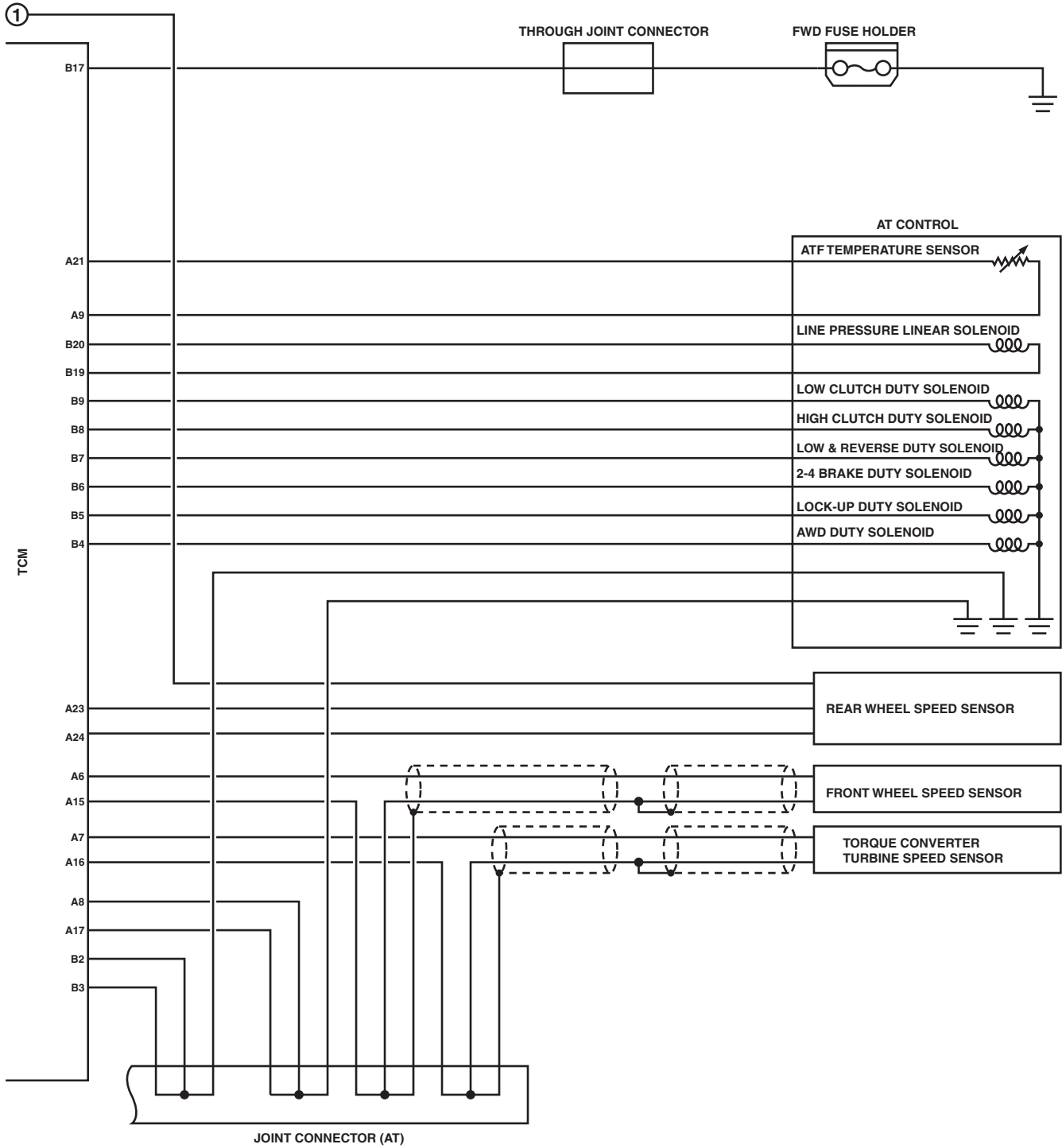
### 9. AT Control System

#### A: WIRING DIAGRAM

##### 1. 4AT MODEL



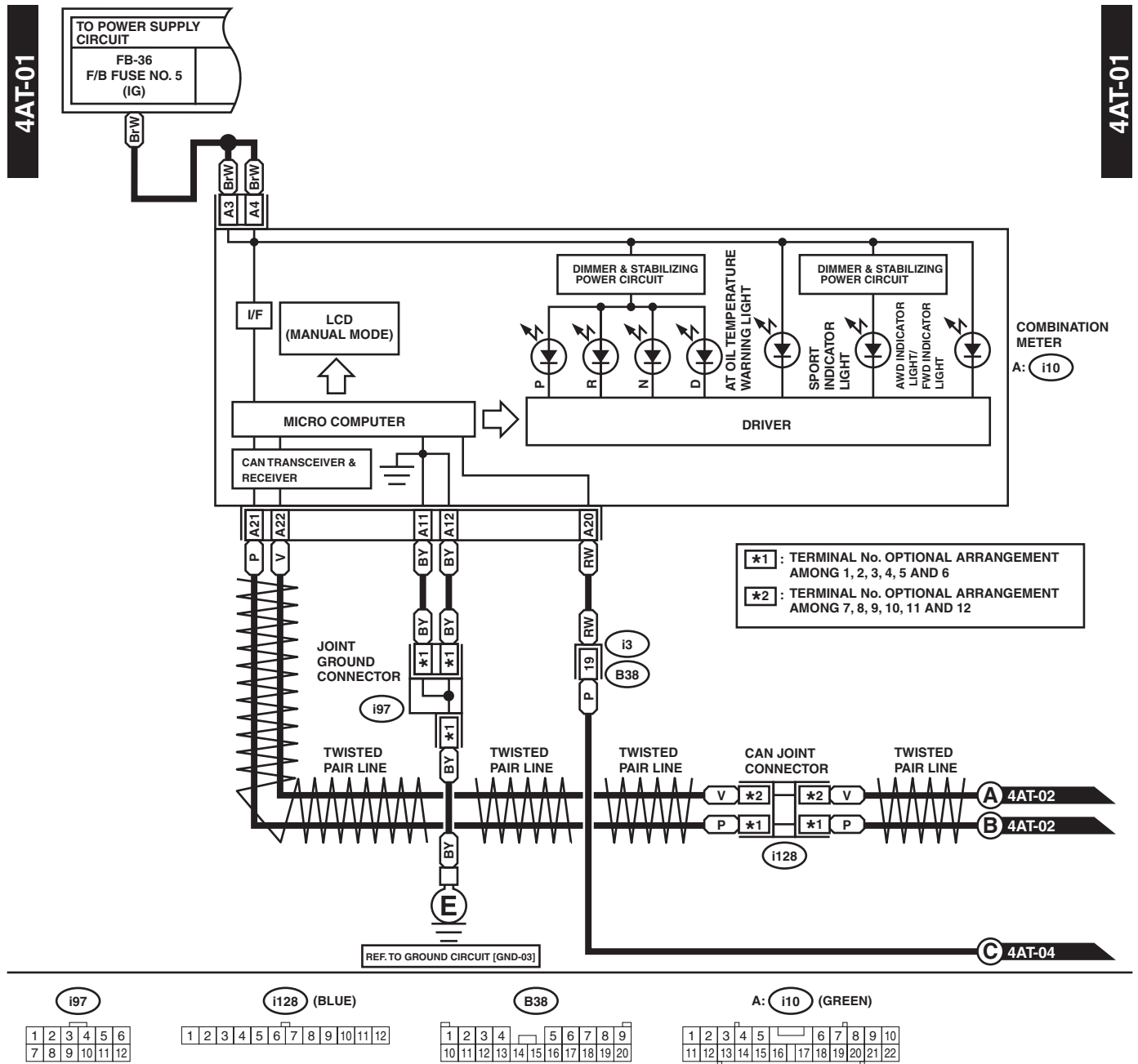
WI-09747



WI-09748

# AT Control System

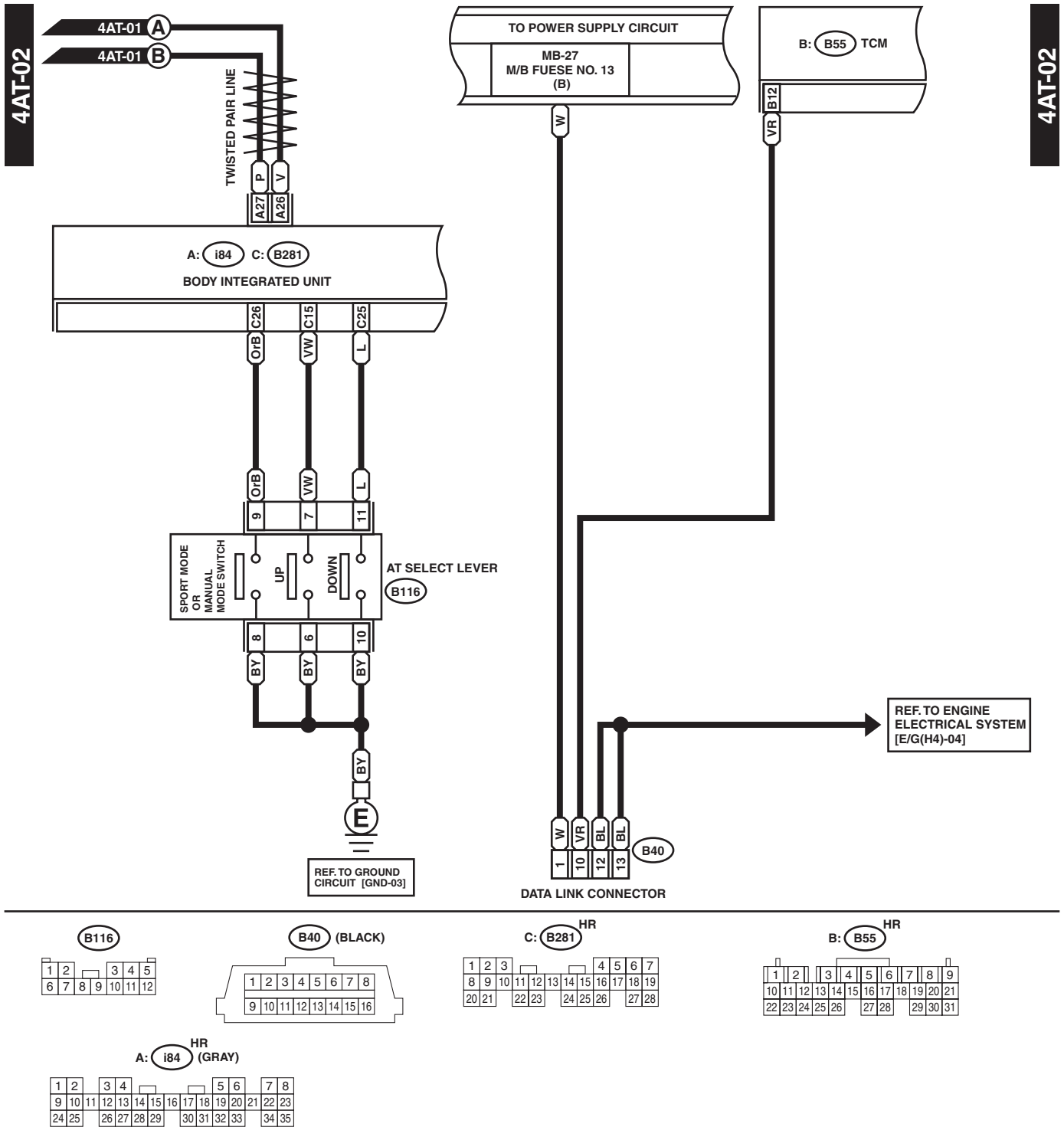
## WIRING SYSTEM



WI-09749

# AT Control System

## WIRING SYSTEM



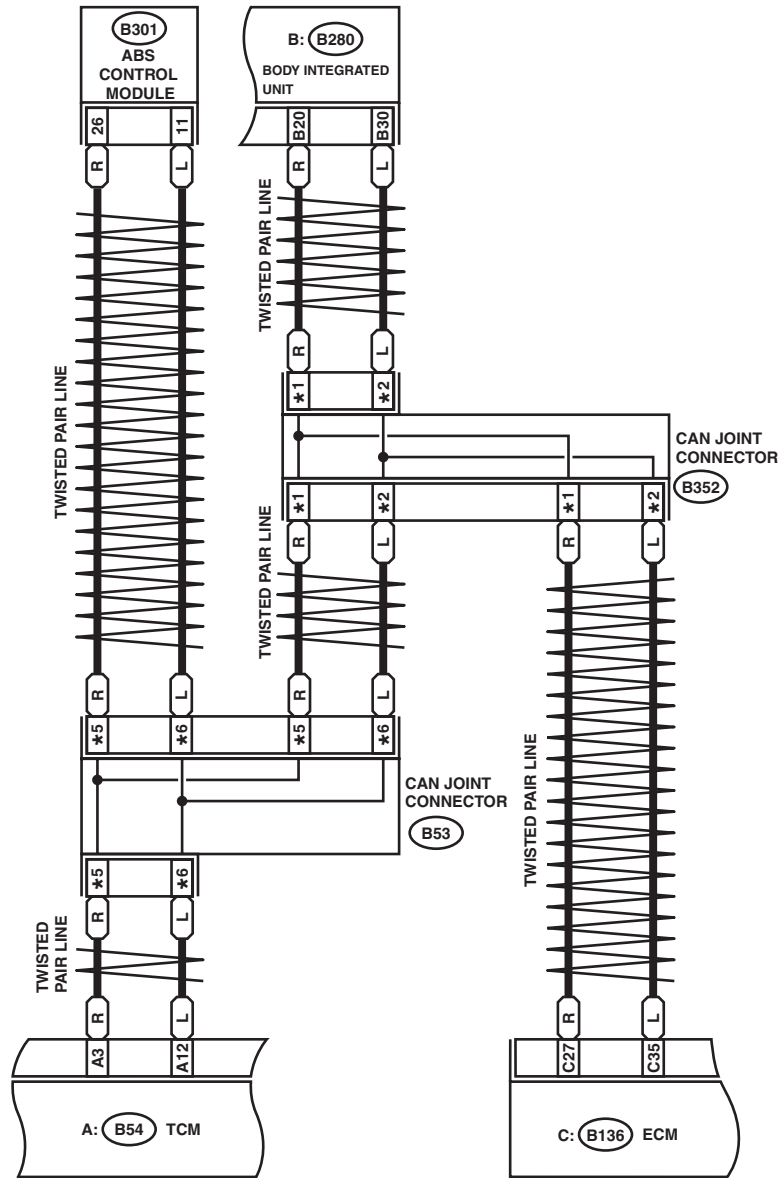
WI-11924

# AT Control System

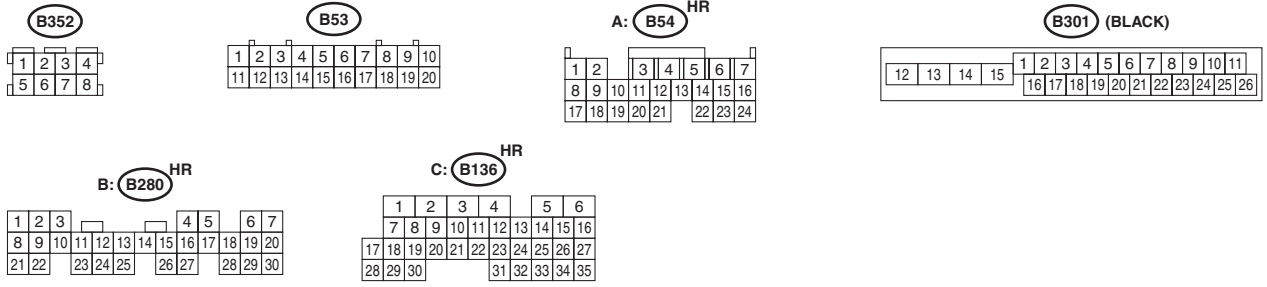
## WIRING SYSTEM

4AT-03

4AT-03



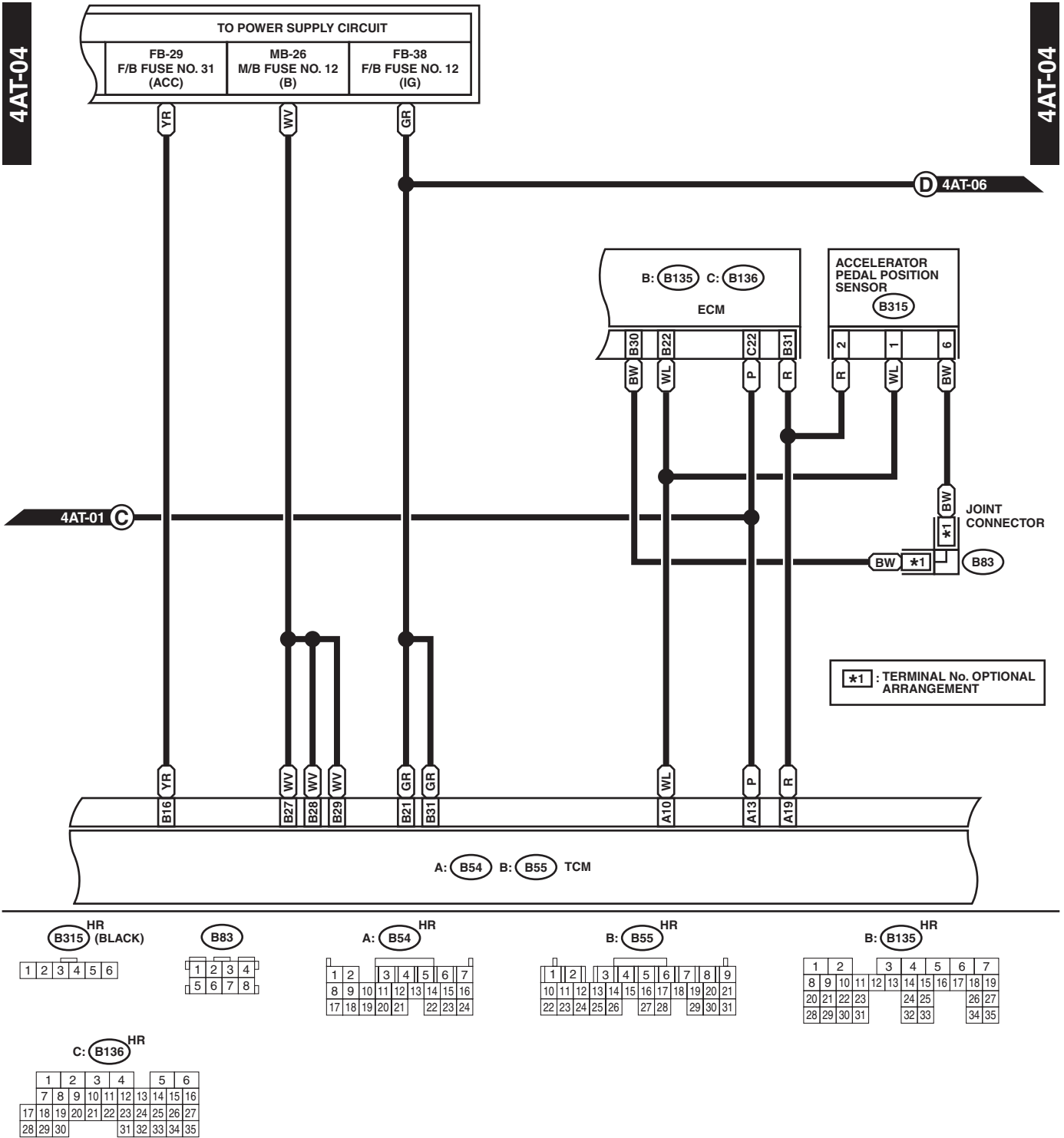
- \*1 : TERMINAL No. OPTIONAL ARRANGEMENT AMONG 1, 2, 5 AND 6
- \*2 : TERMINAL No. OPTIONAL ARRANGEMENT AMONG 3, 4, 7 AND 8
- \*5 : TERMINAL No. OPTIONAL ARRANGEMENT AMONG 8, 18 AND 19
- \*6 : TERMINAL No. OPTIONAL ARRANGEMENT AMONG 9, 10 AND 20



WI-11925

# AT Control System

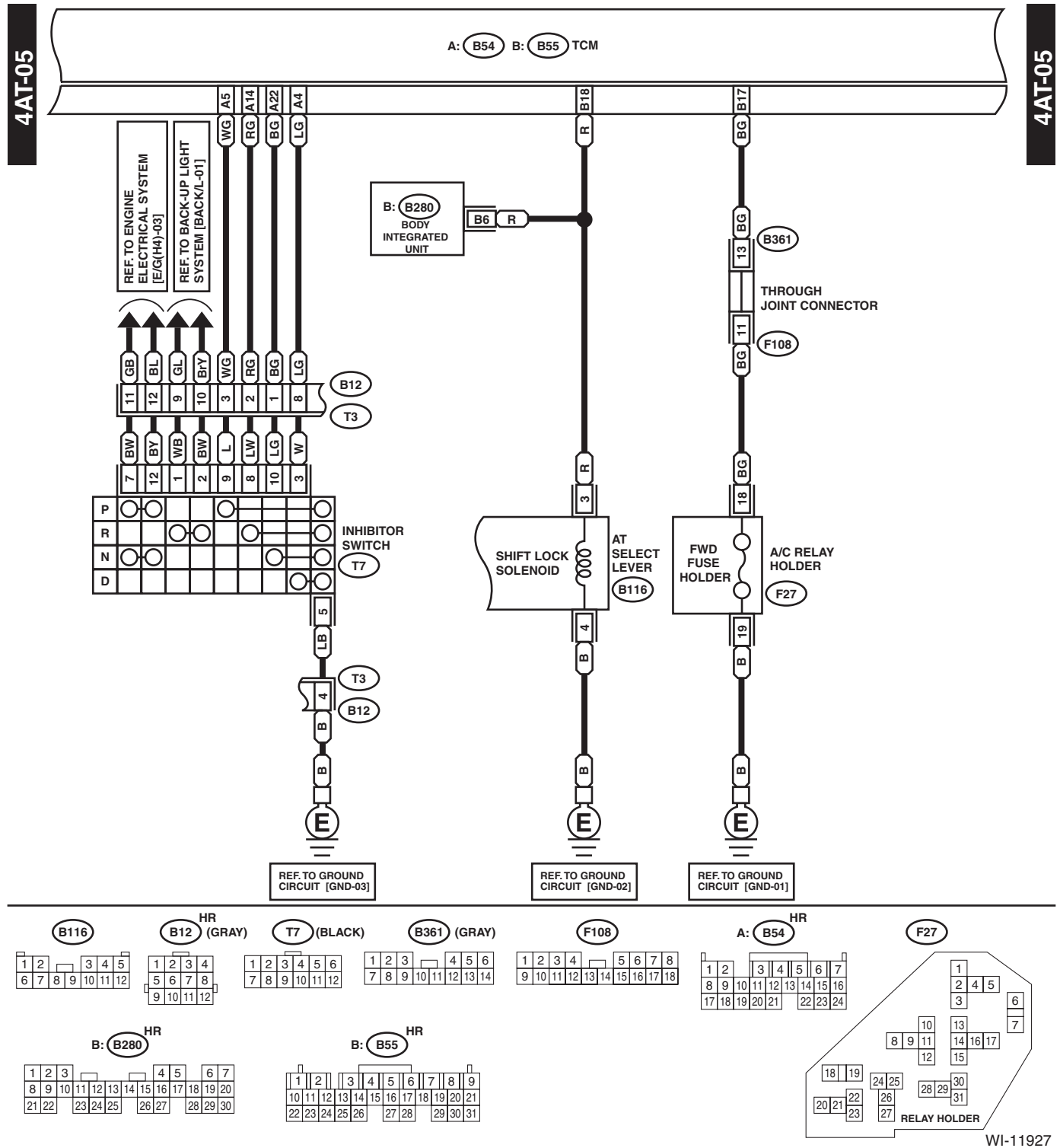
## WIRING SYSTEM

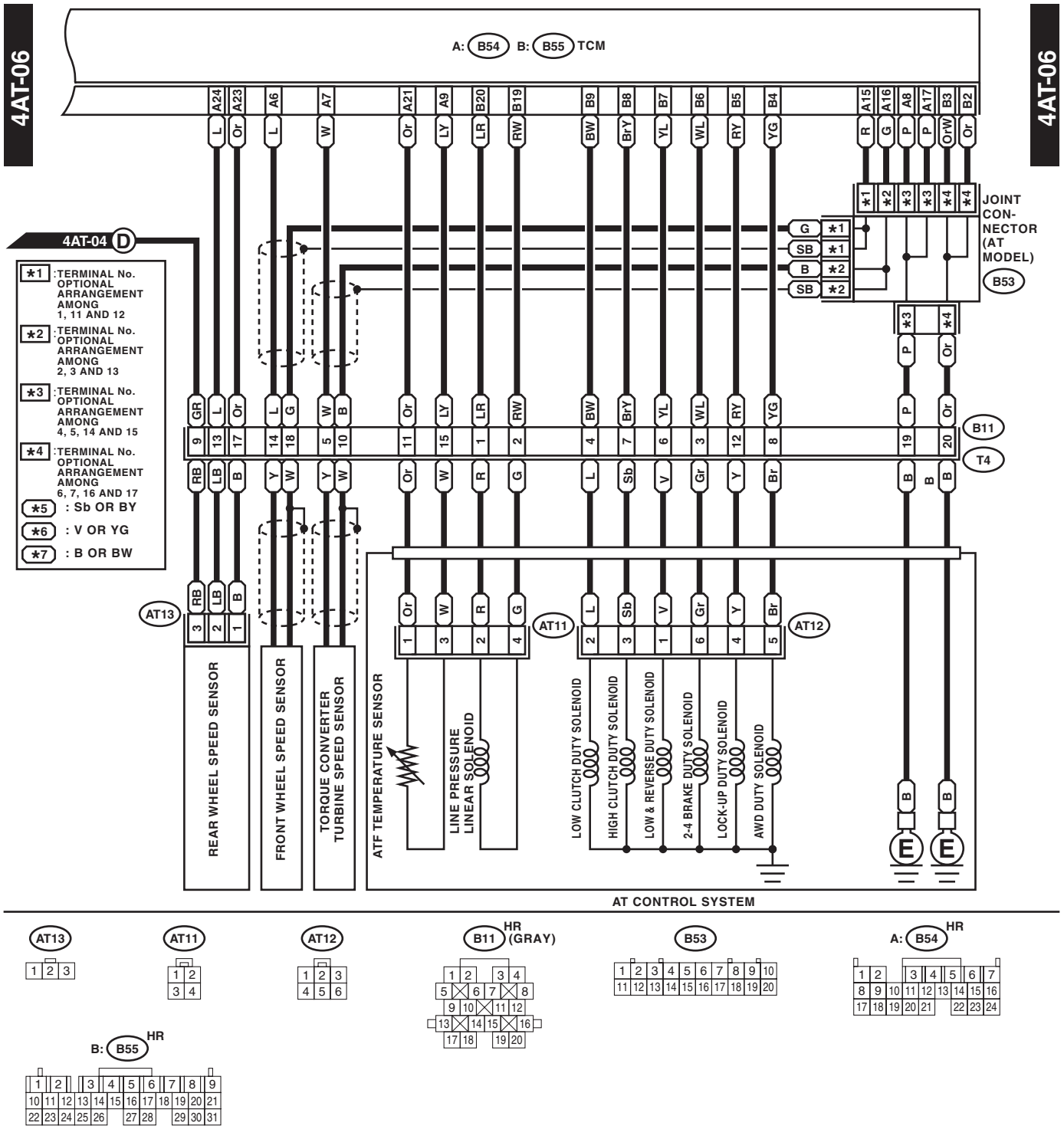


WI-11926

# AT Control System

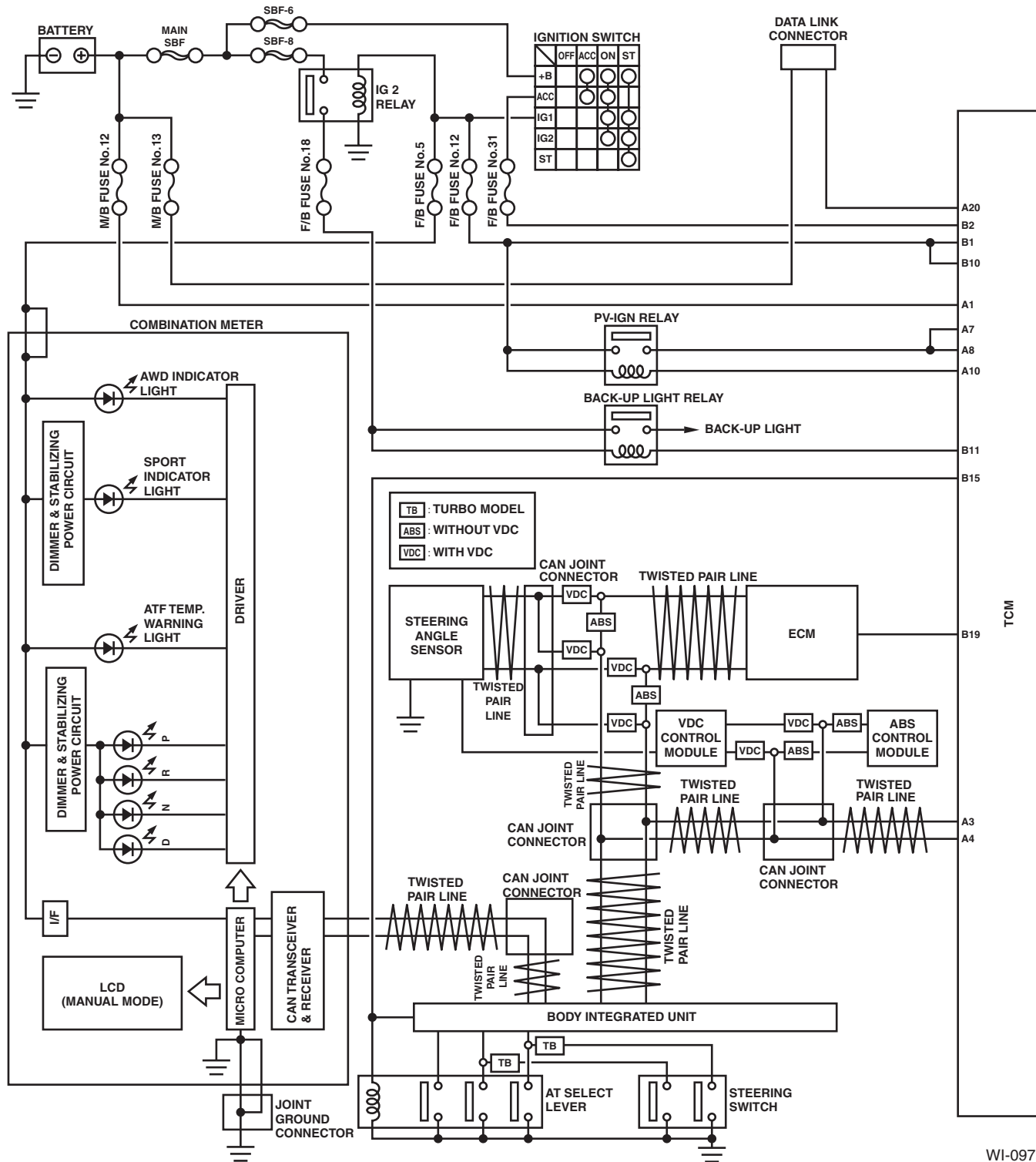
## WIRING SYSTEM





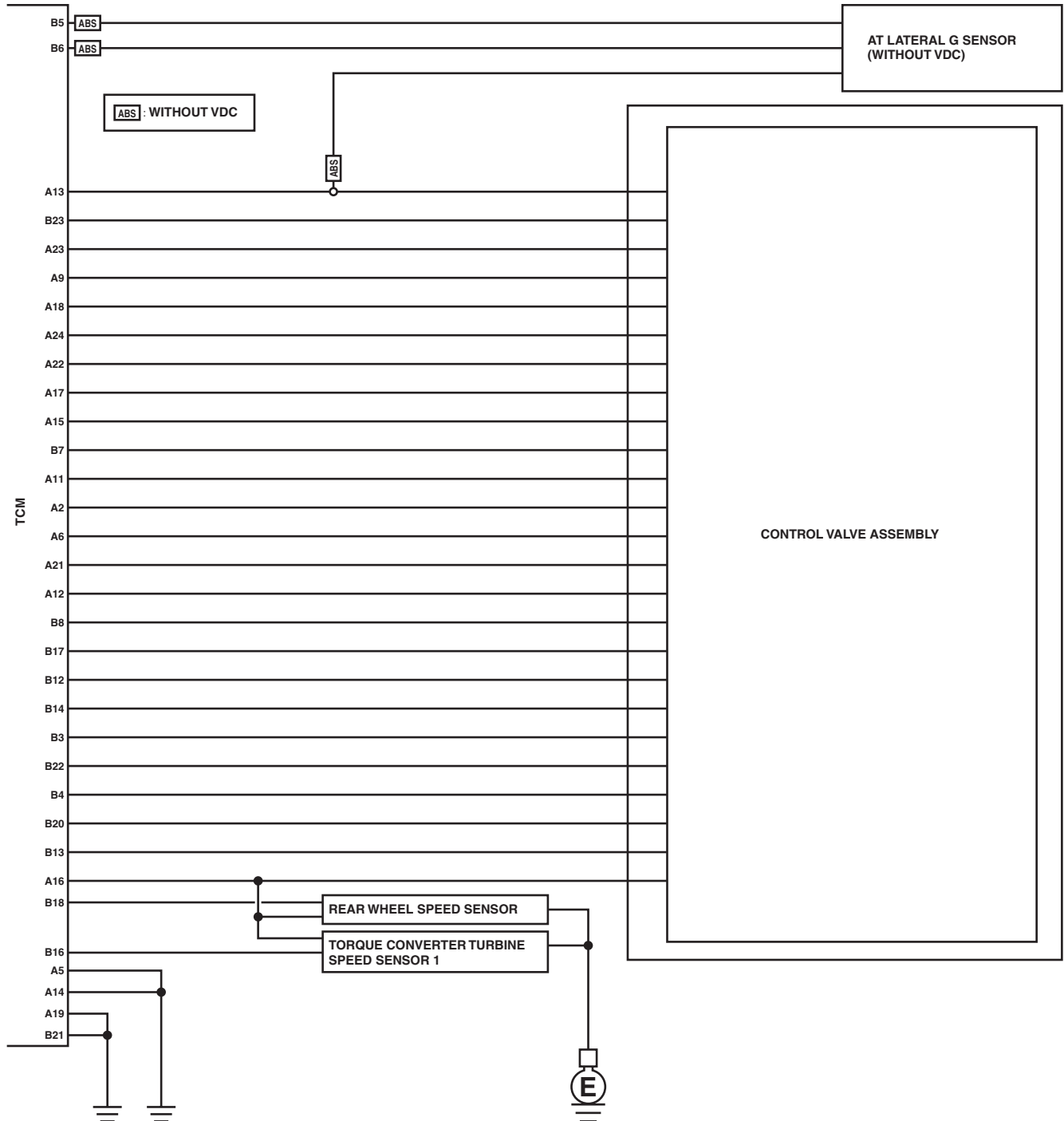
## WIRING SYSTEM

## 2. 5AT MODEL



# AT Control System

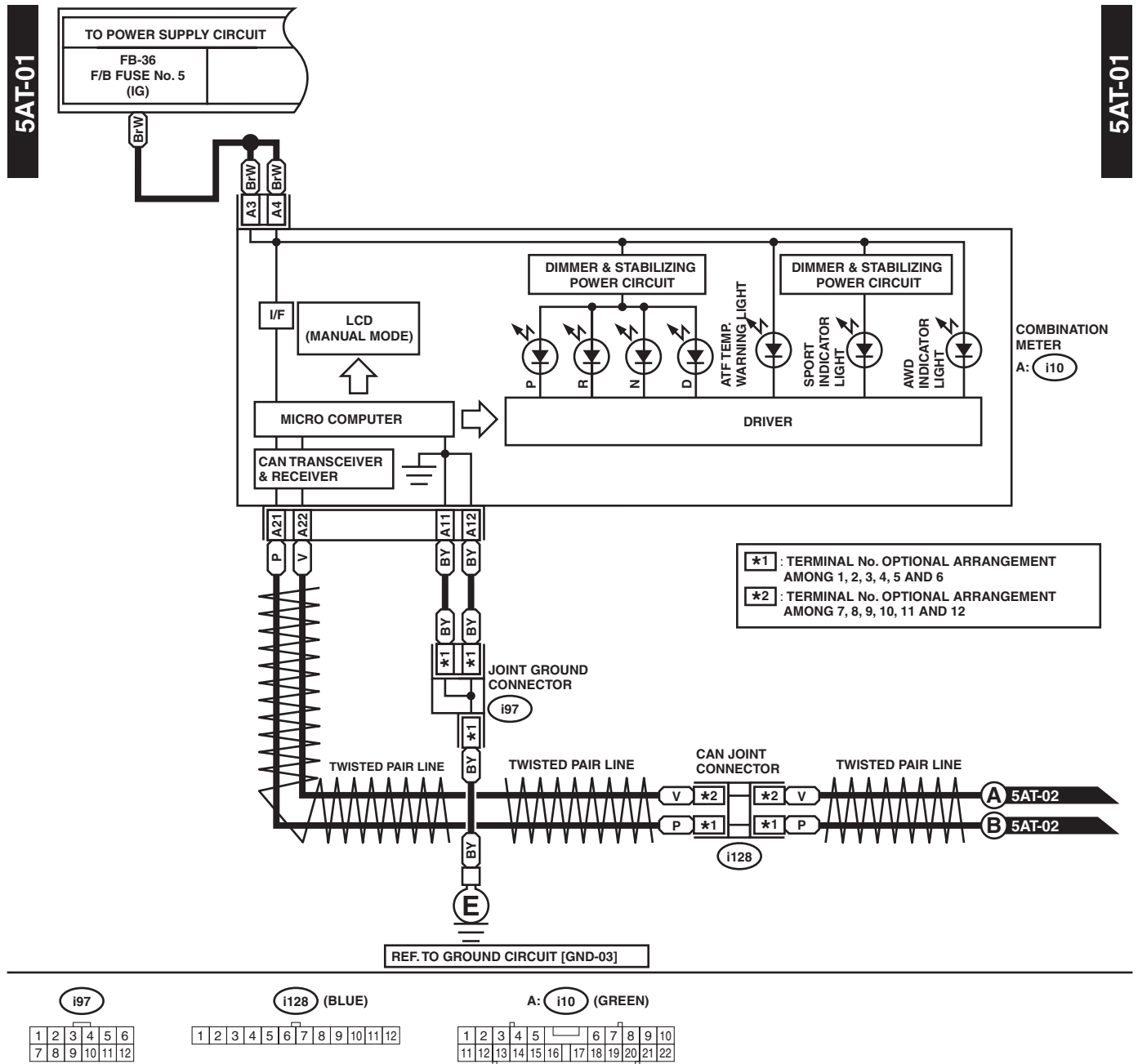
WIRING SYSTEM



WI-09756

# AT Control System

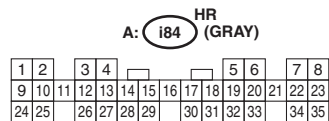
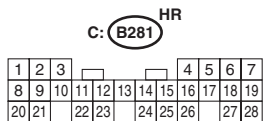
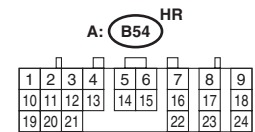
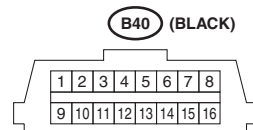
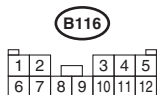
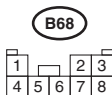
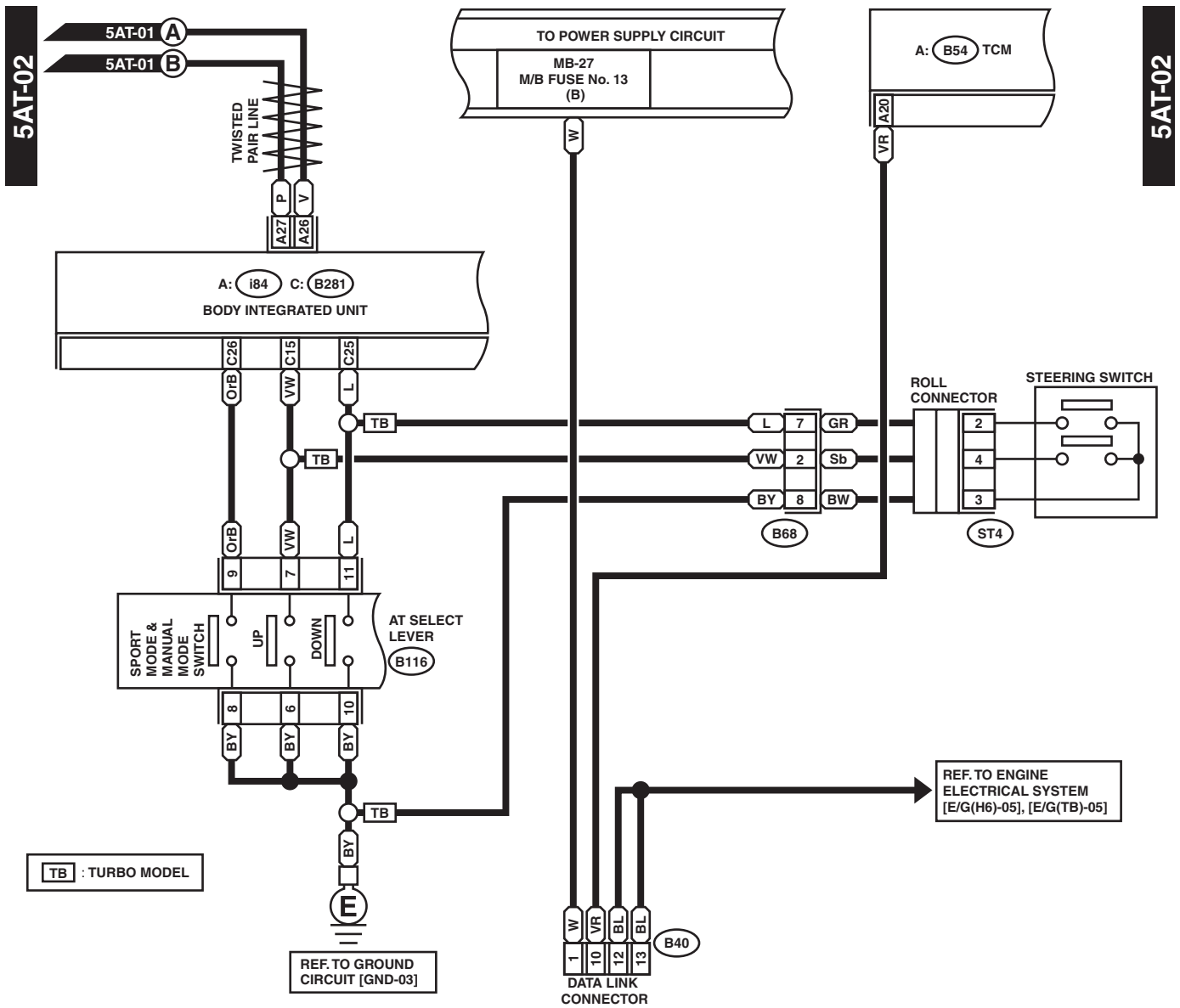
## WIRING SYSTEM



WI-09757

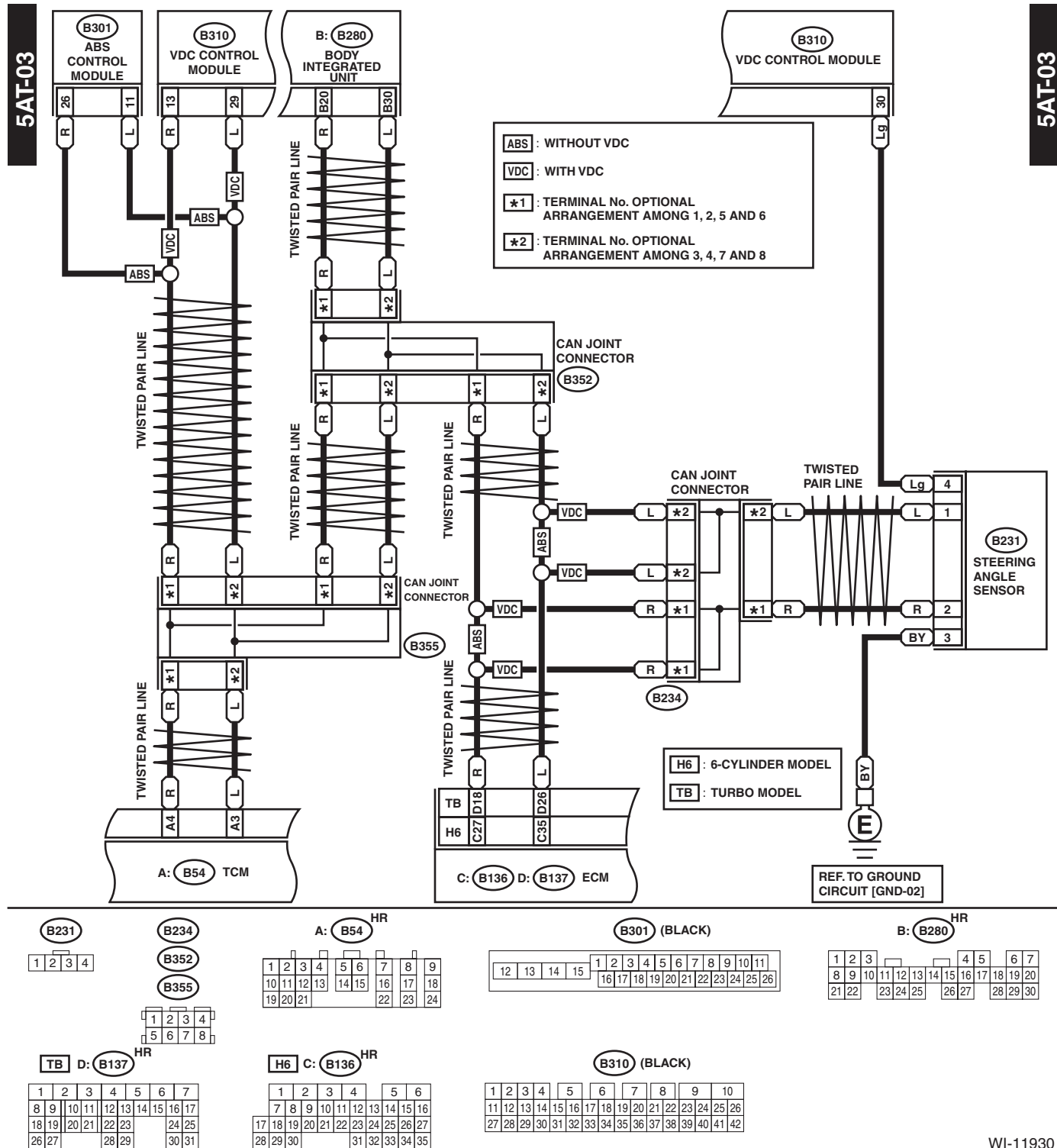
# AT Control System

## WIRING SYSTEM



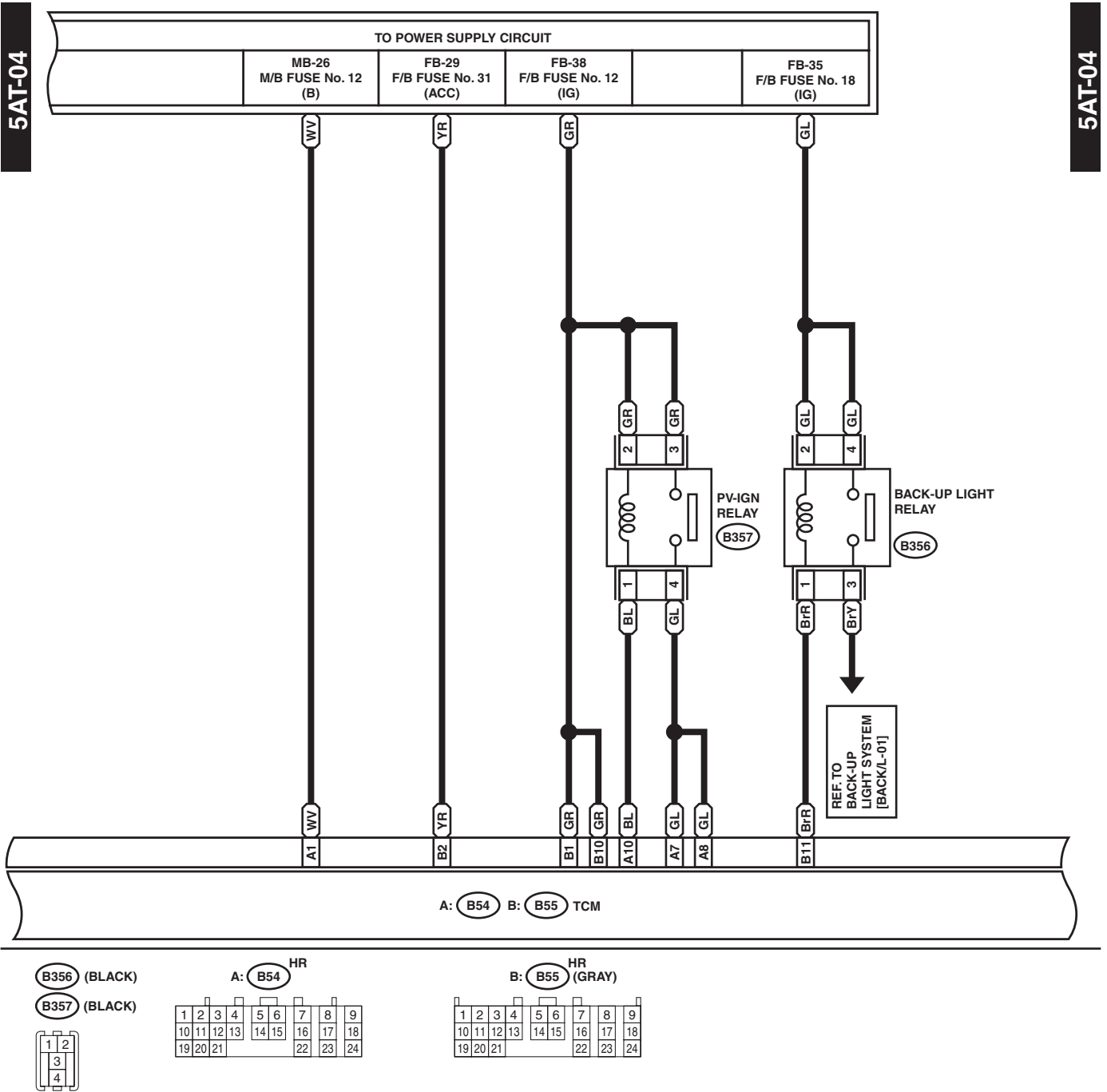
WI-11929

## WIRING SYSTEM



# AT Control System

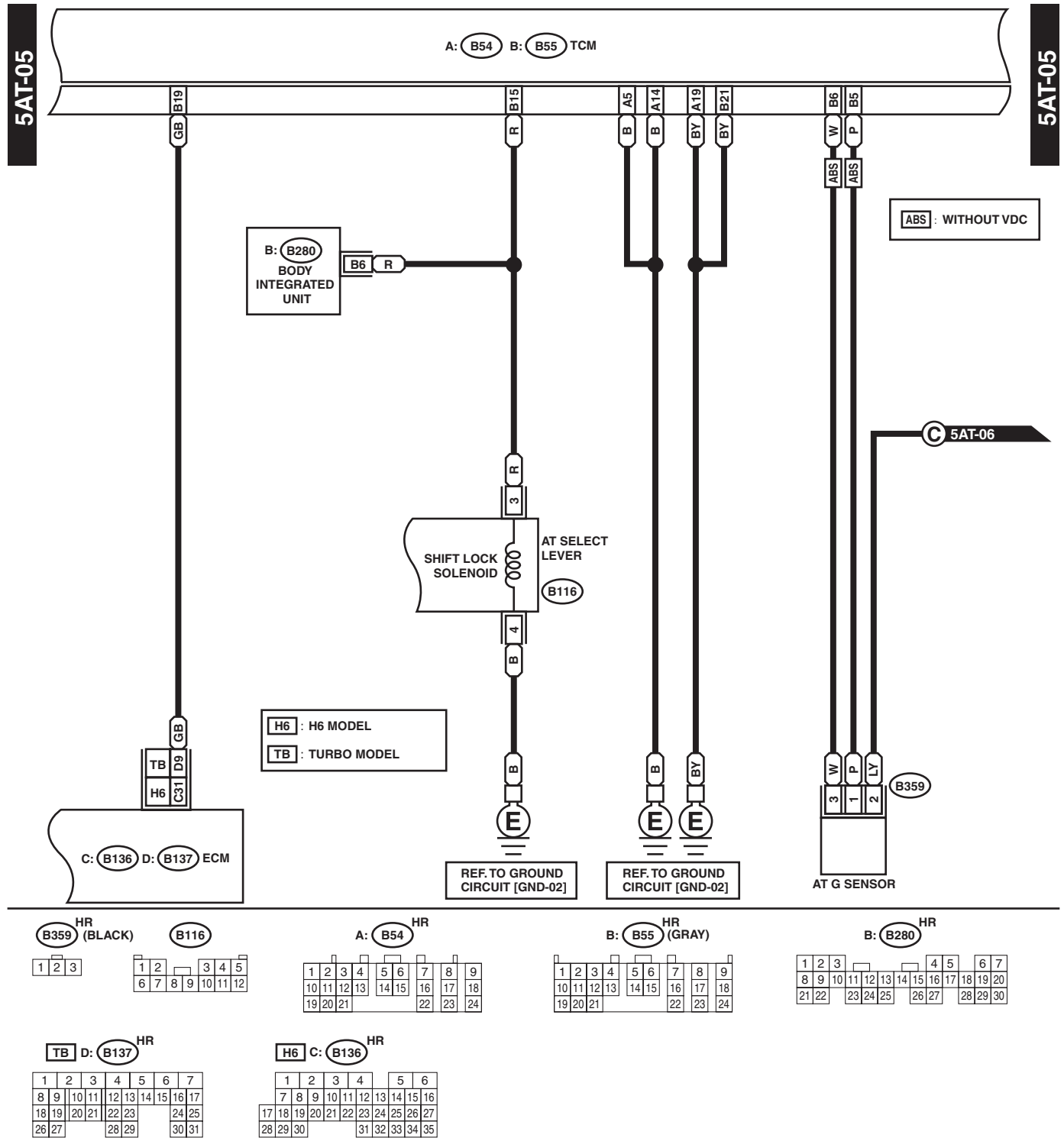
WIRING SYSTEM



WI-11931

# AT Control System

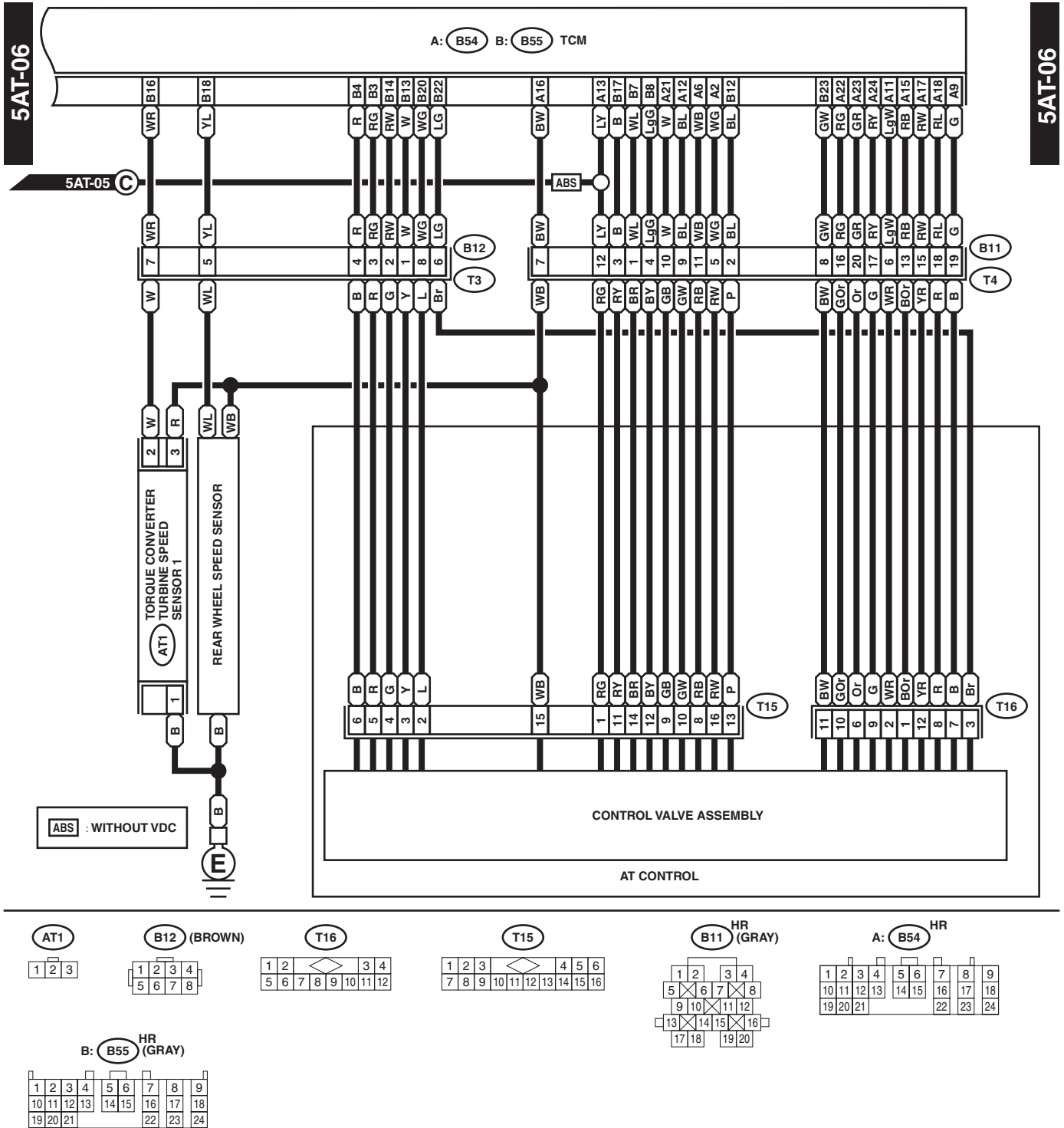
## WIRING SYSTEM



WI-11932

# AT Control System

WIRING SYSTEM



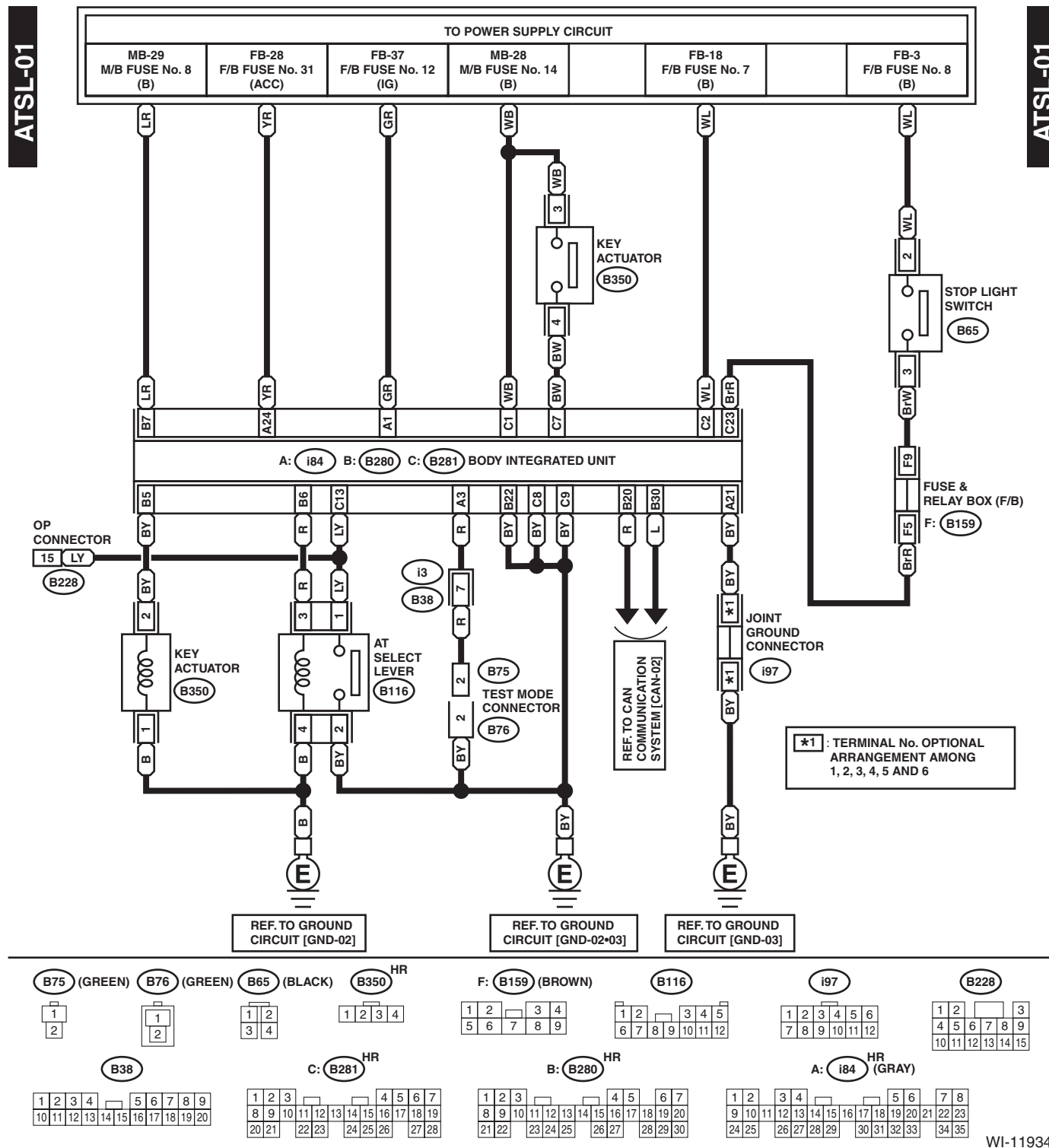
WI-11933

# AT Shift Lock Control System

## WIRING SYSTEM

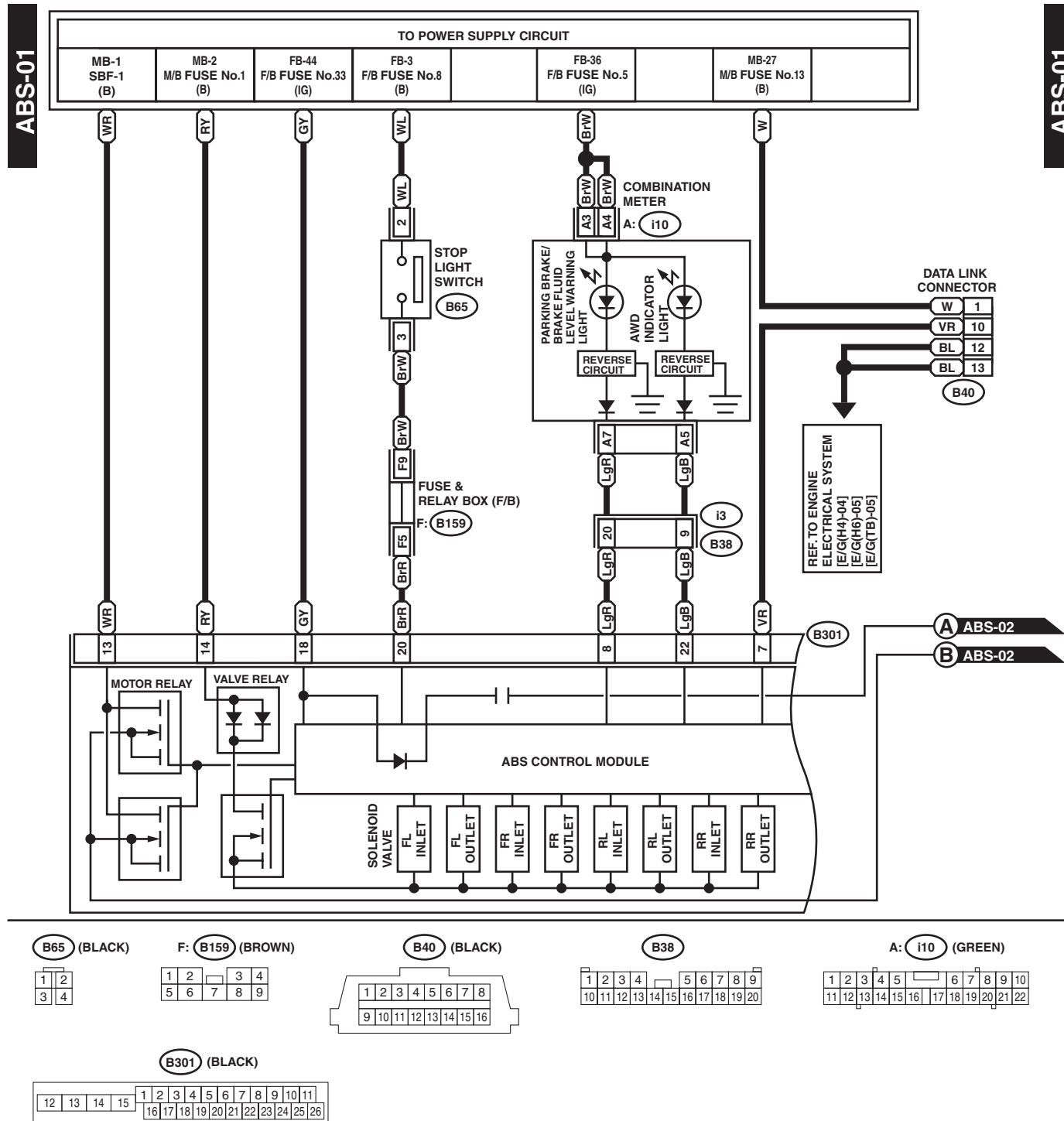
### 10. AT Shift Lock Control System

#### A: WIRING DIAGRAM



### 11. Anti-lock Brake System

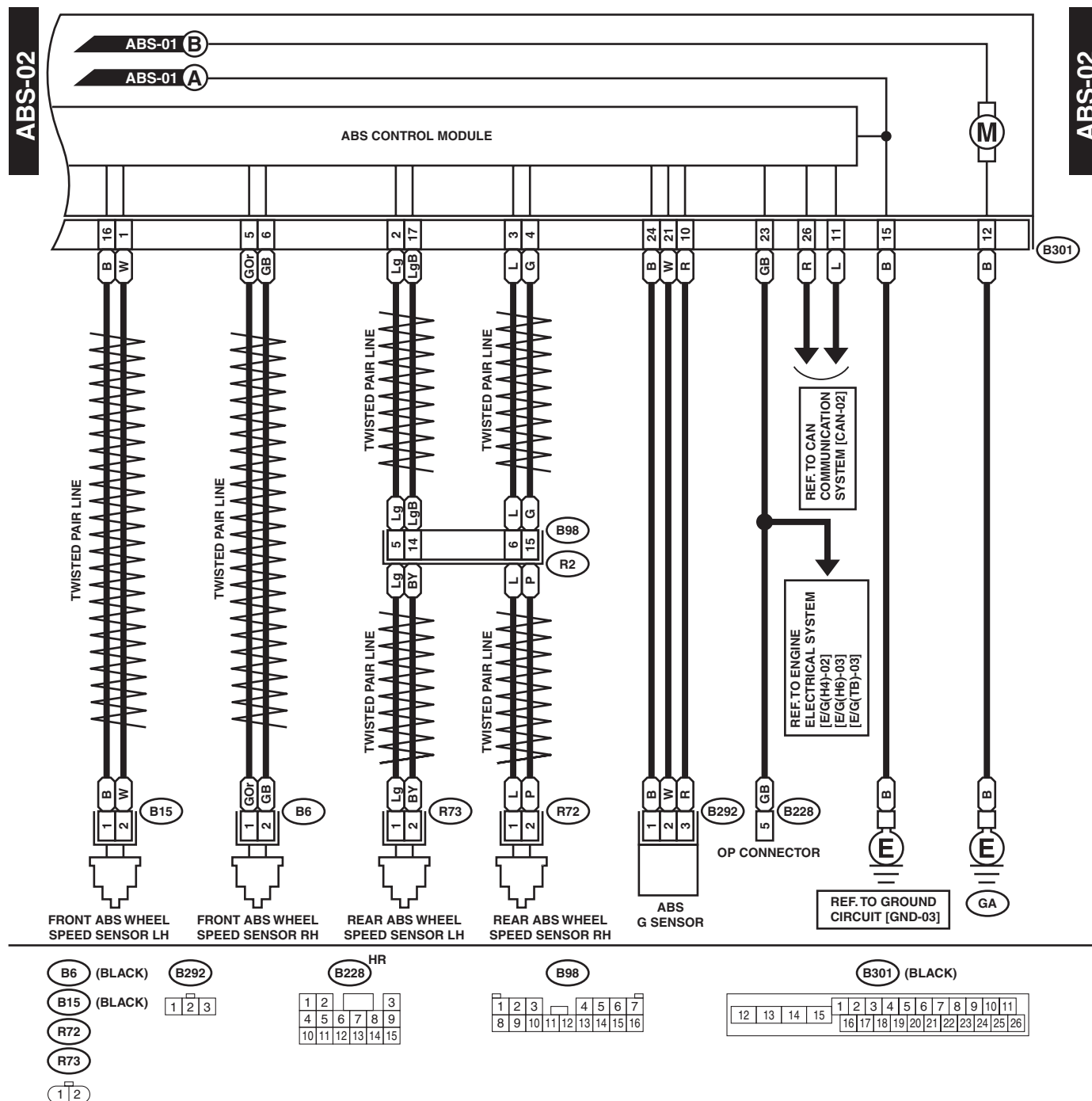
#### A: WIRING DIAGRAM



WI-09764

# Anti-lock Brake System

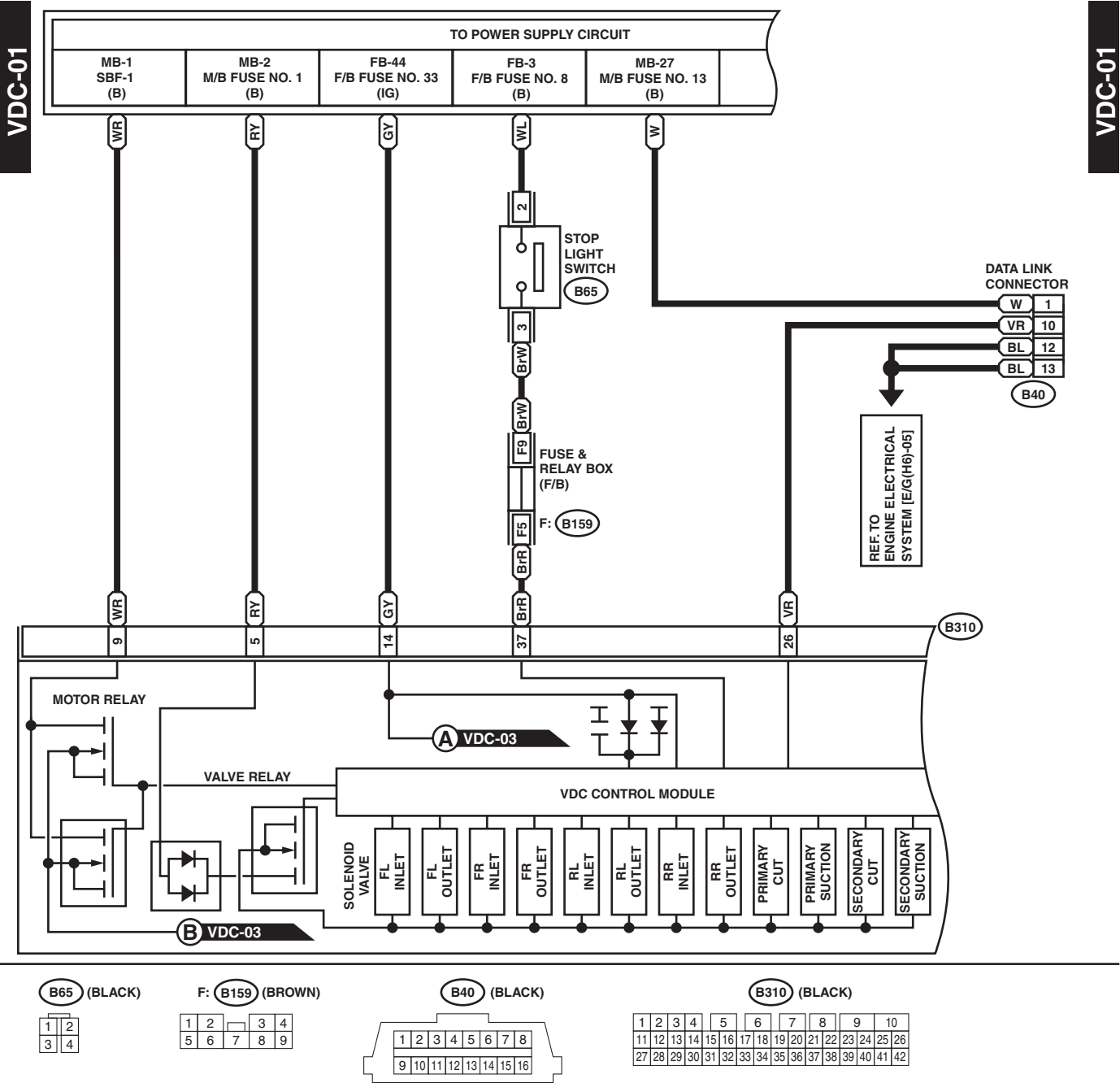
## WIRING SYSTEM



WI-11935

12.Vehicle Dynamics Control System

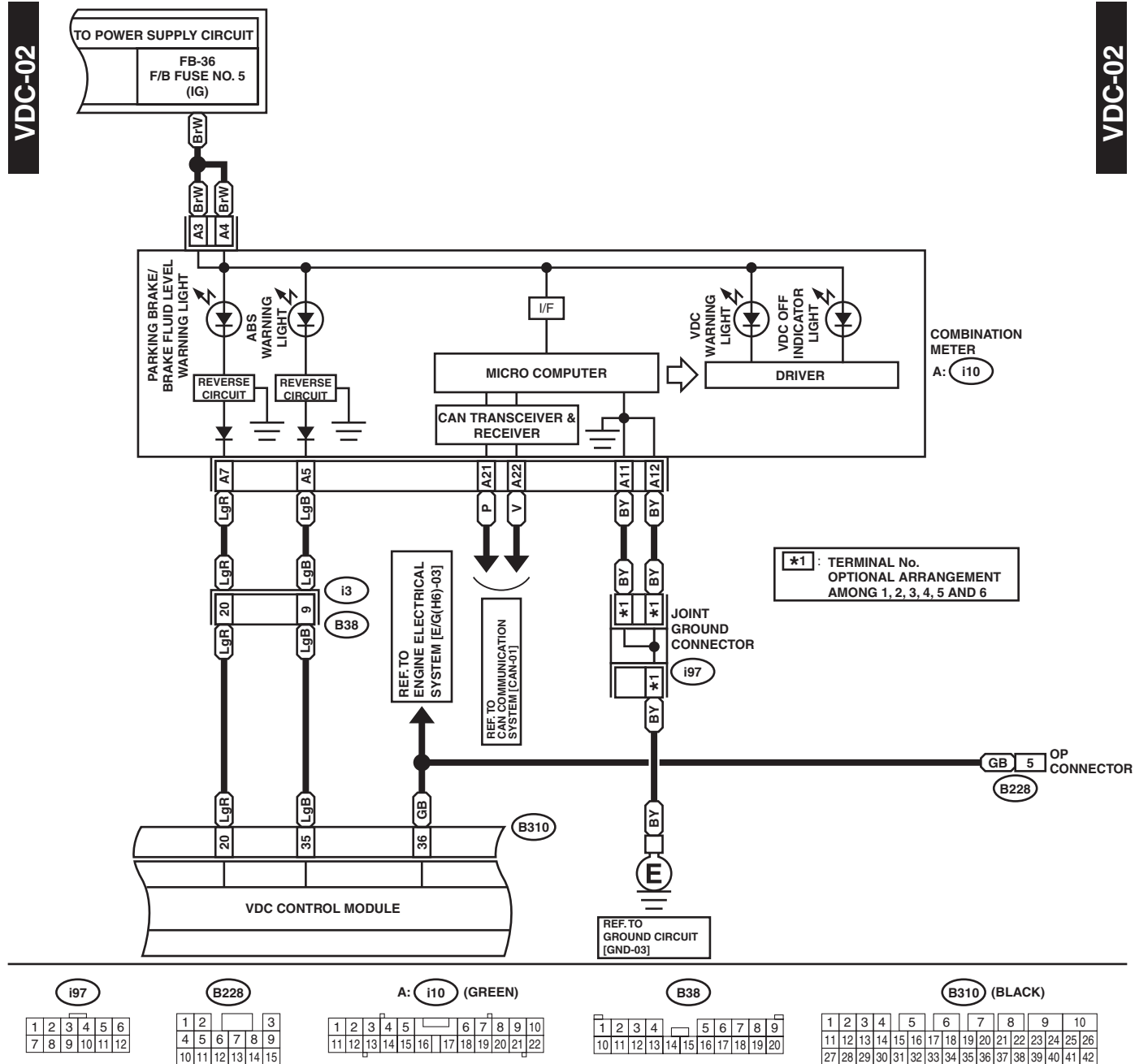
A: WIRING DIAGRAM



## WIRING SYSTEM

VDC-02

VDC-02



WI-09767

## WIRING SYSTEM

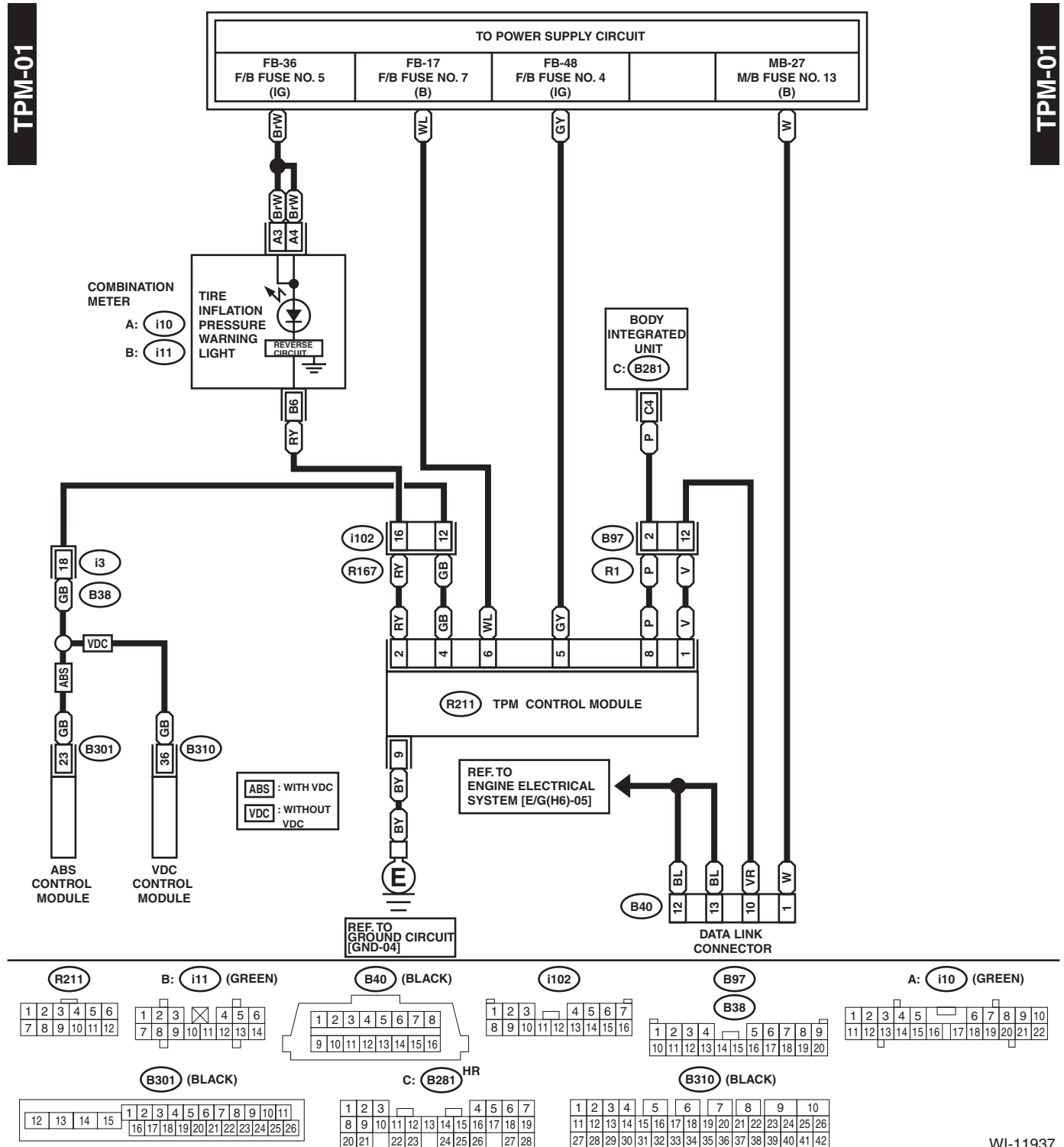


# TPM Control System

## WIRING SYSTEM

### 13.TPM Control System

#### A: WIRING DIAGRAM

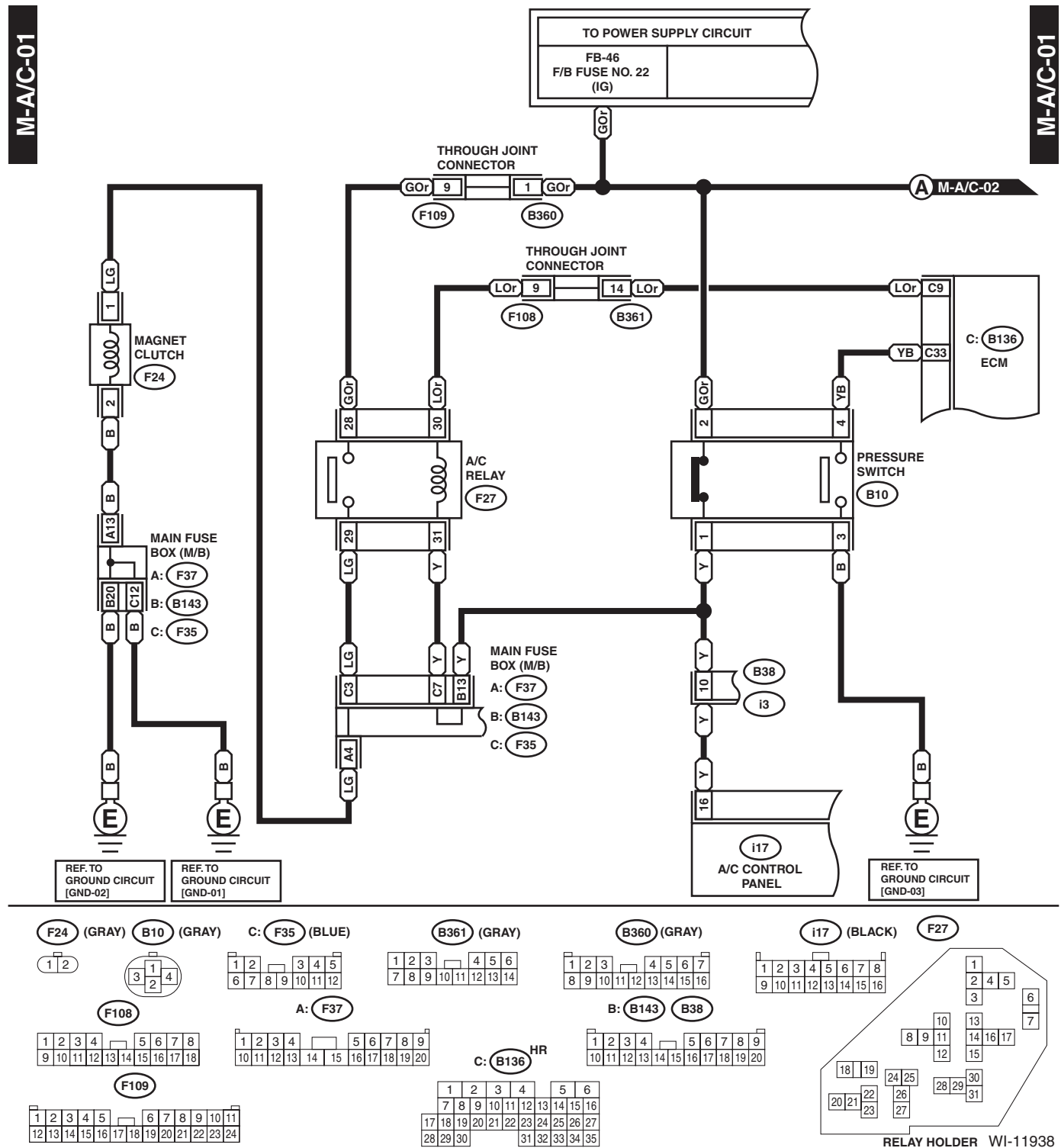


WI-11937

### 14. Air Conditioning System

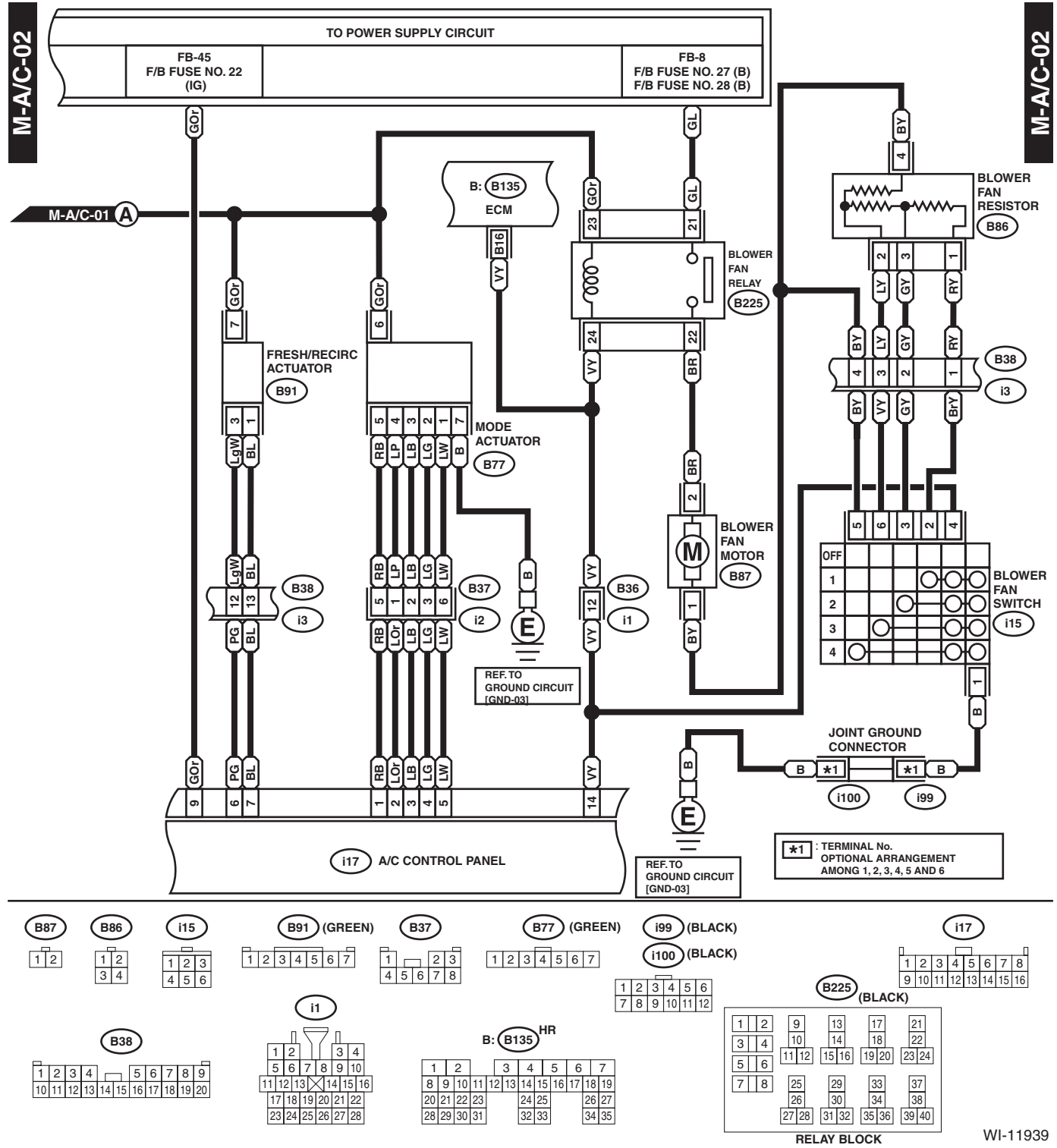
#### A: WIRING DIAGRAM

##### 1. MANUAL A/C MODEL



# Air Conditioning System

## WIRING SYSTEM

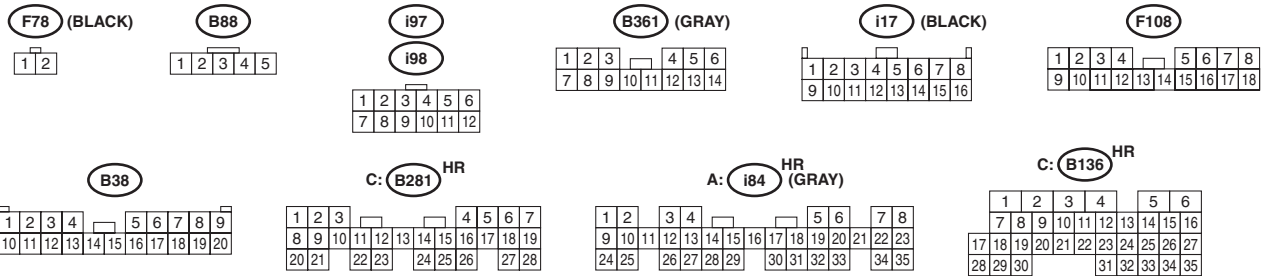
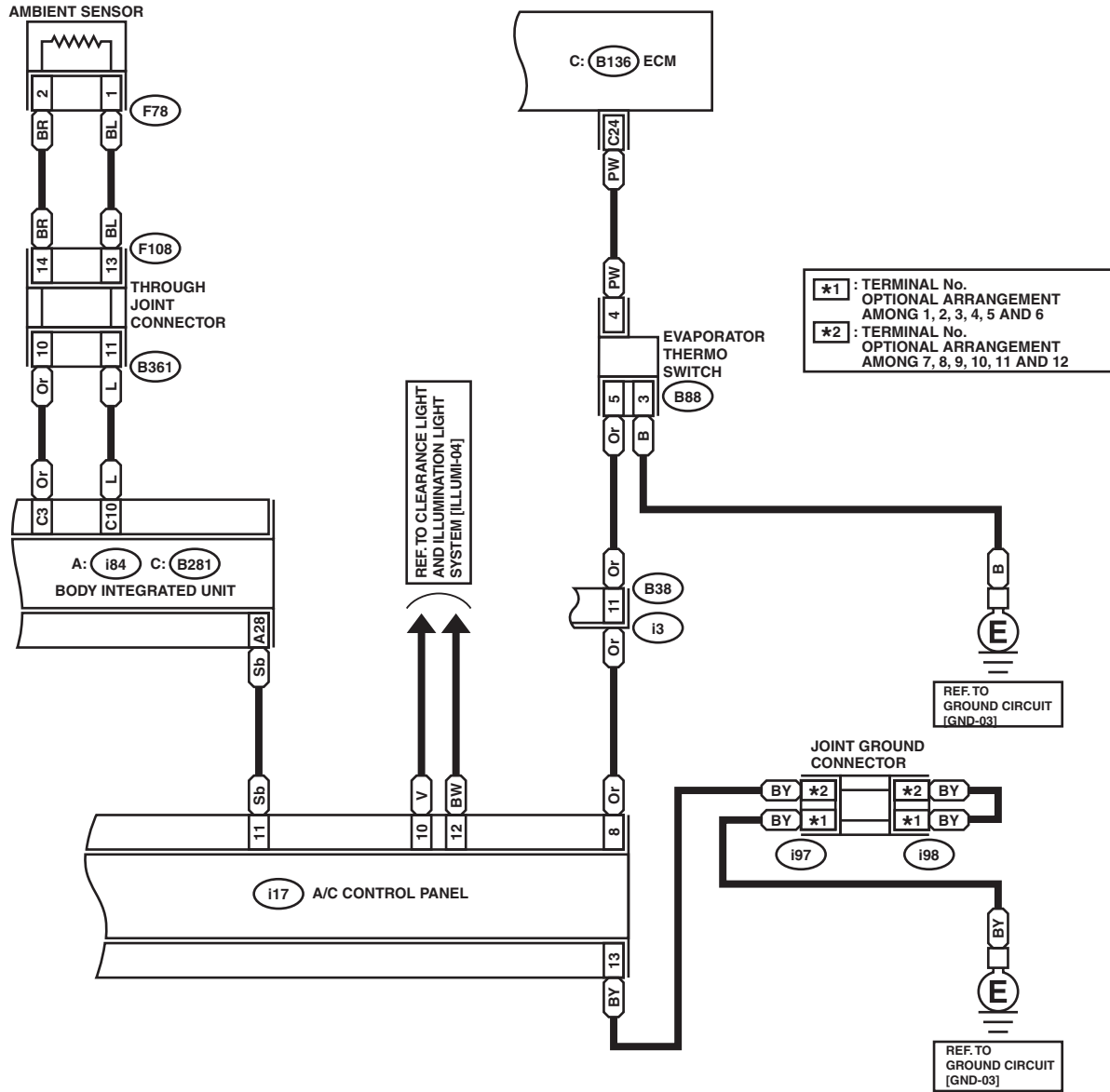


# Air Conditioning System

WIRING SYSTEM

M-A/C-03

M-A/C-03

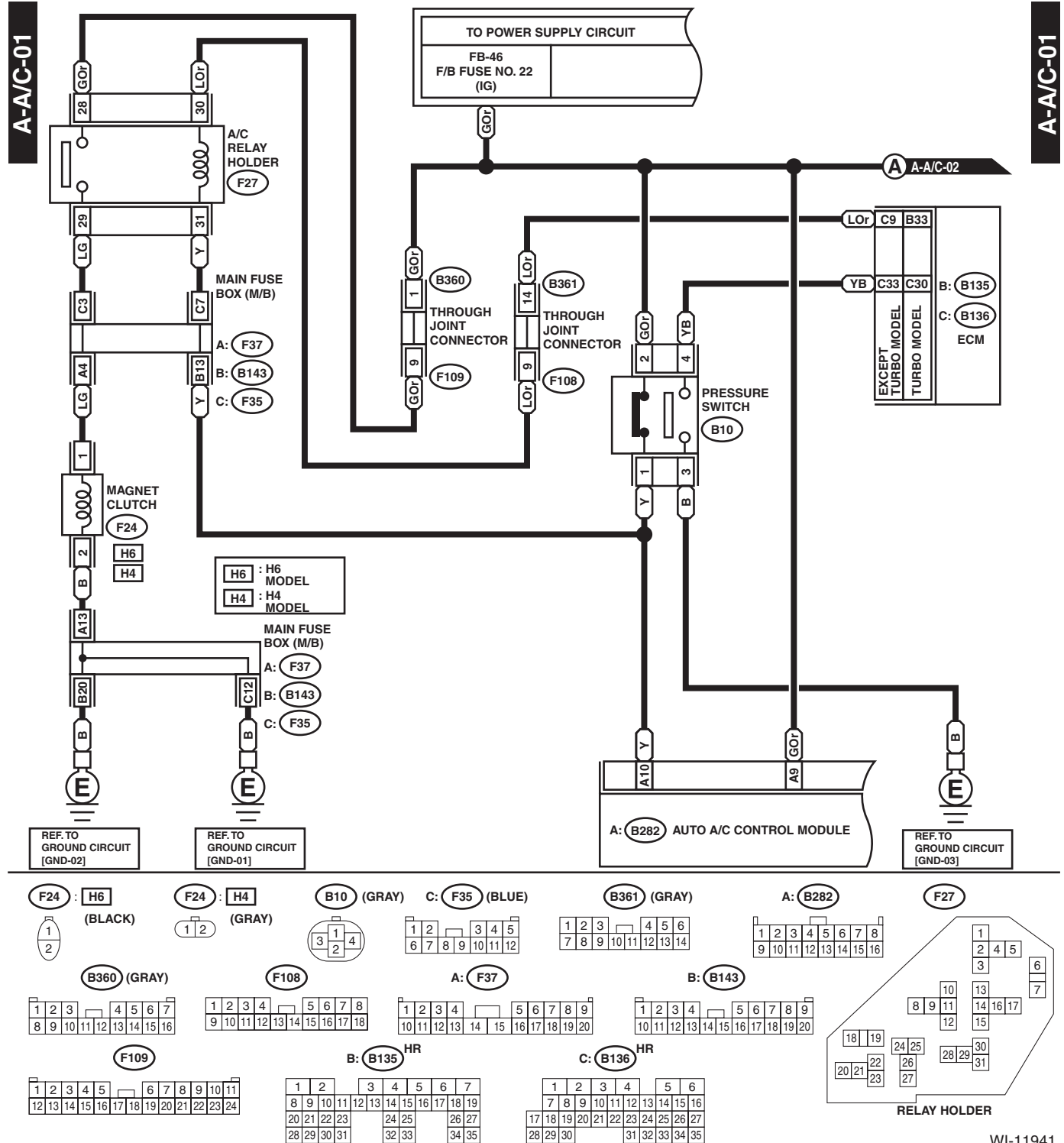


WI-11940

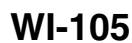
# Air Conditioning System

## WIRING SYSTEM

### 2. AUTO A/C MODEL



**A-A/C-02**

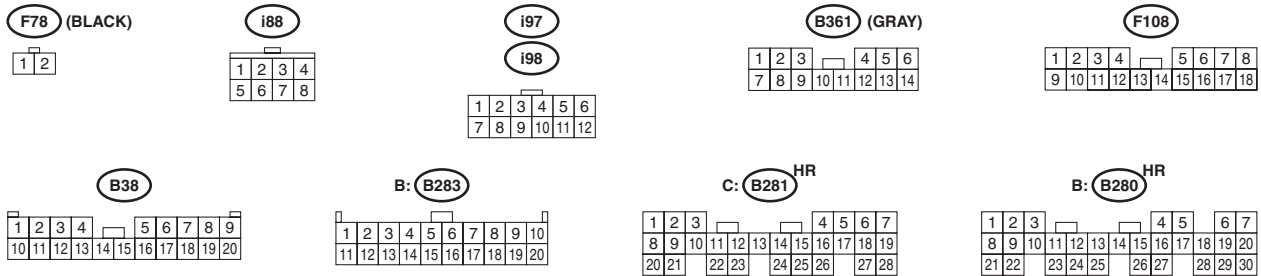
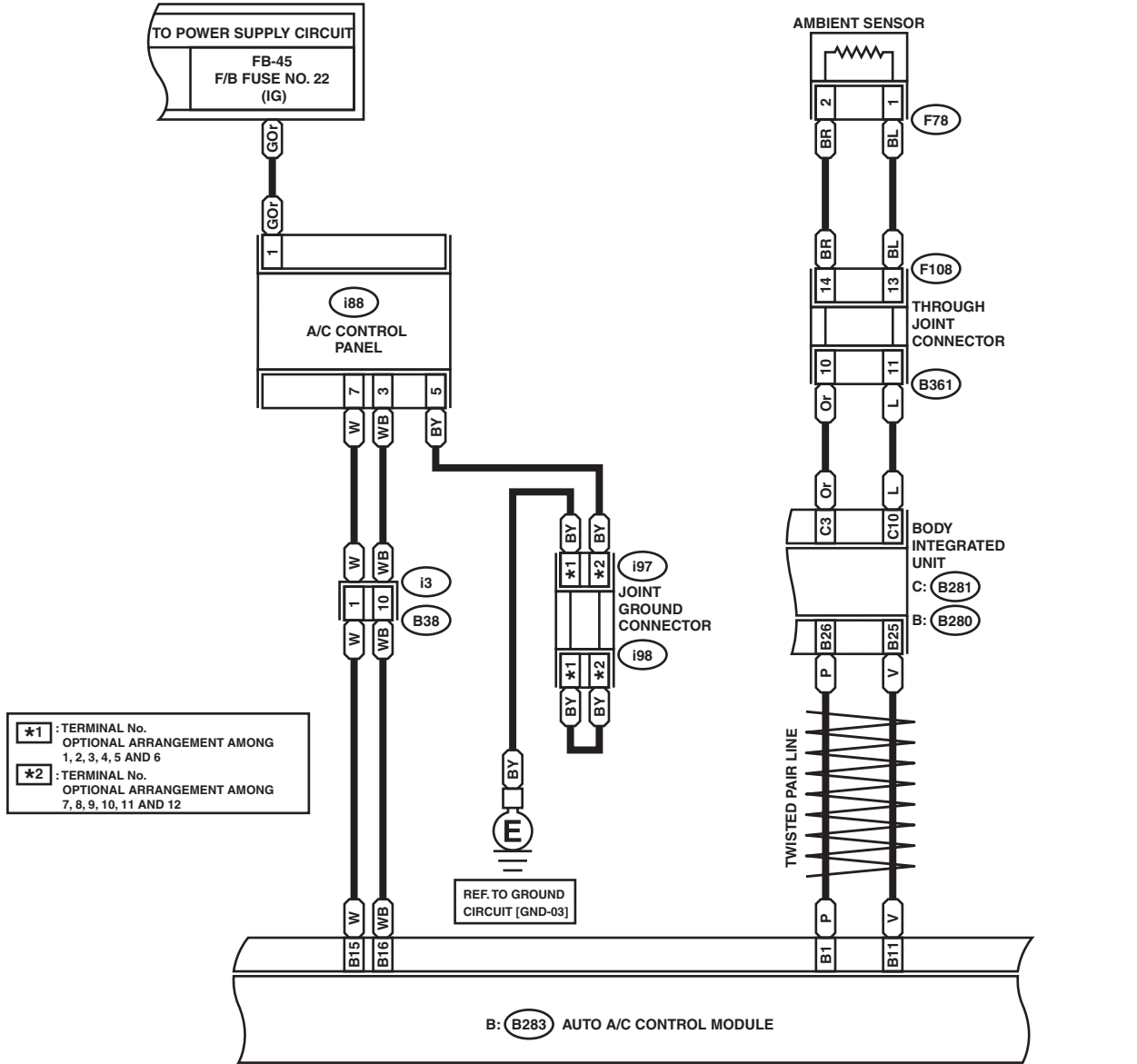


# Air Conditioning System

## WIRING SYSTEM

A-A/C-03

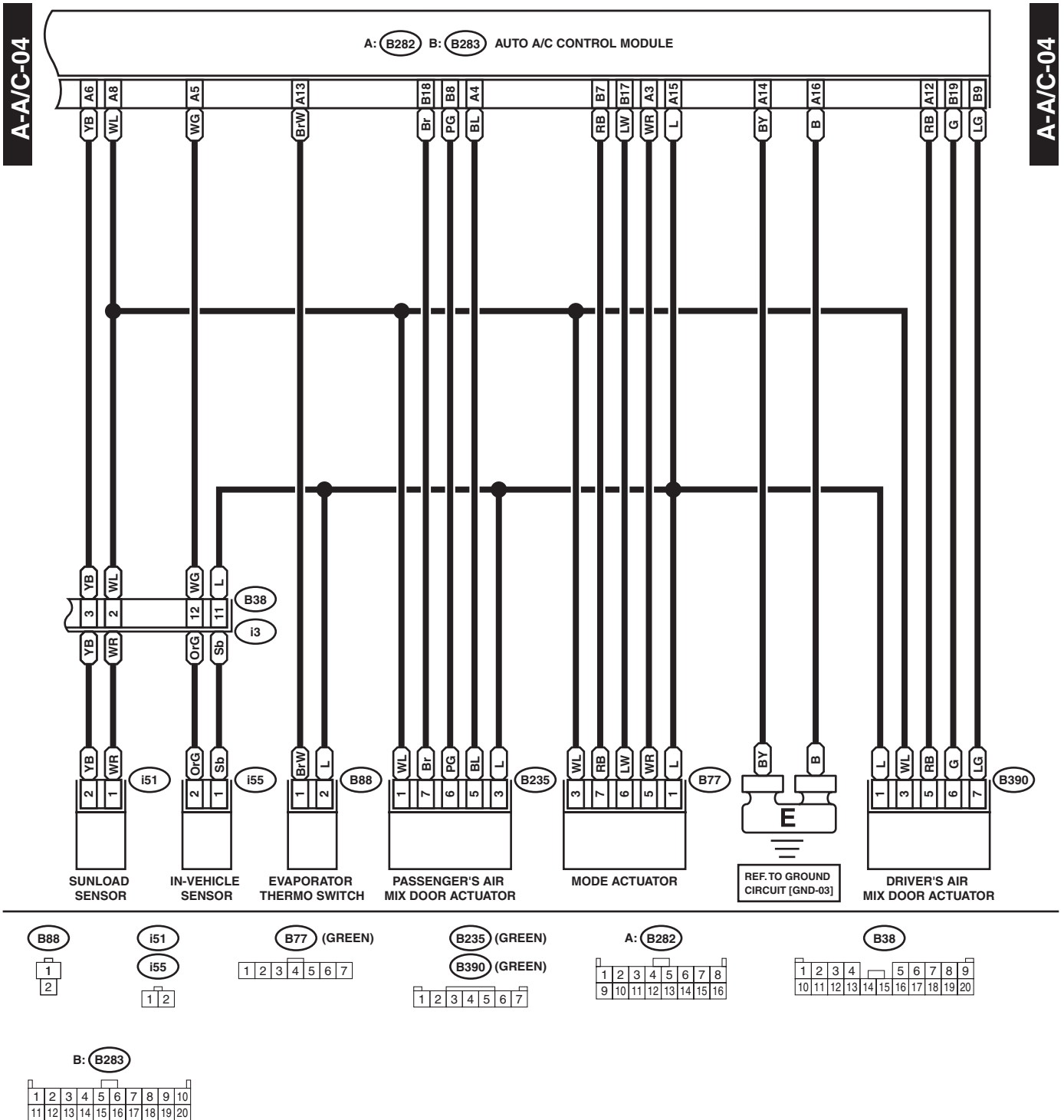
A-A/C-03



WI-11943

# Air Conditioning System

## WIRING SYSTEM



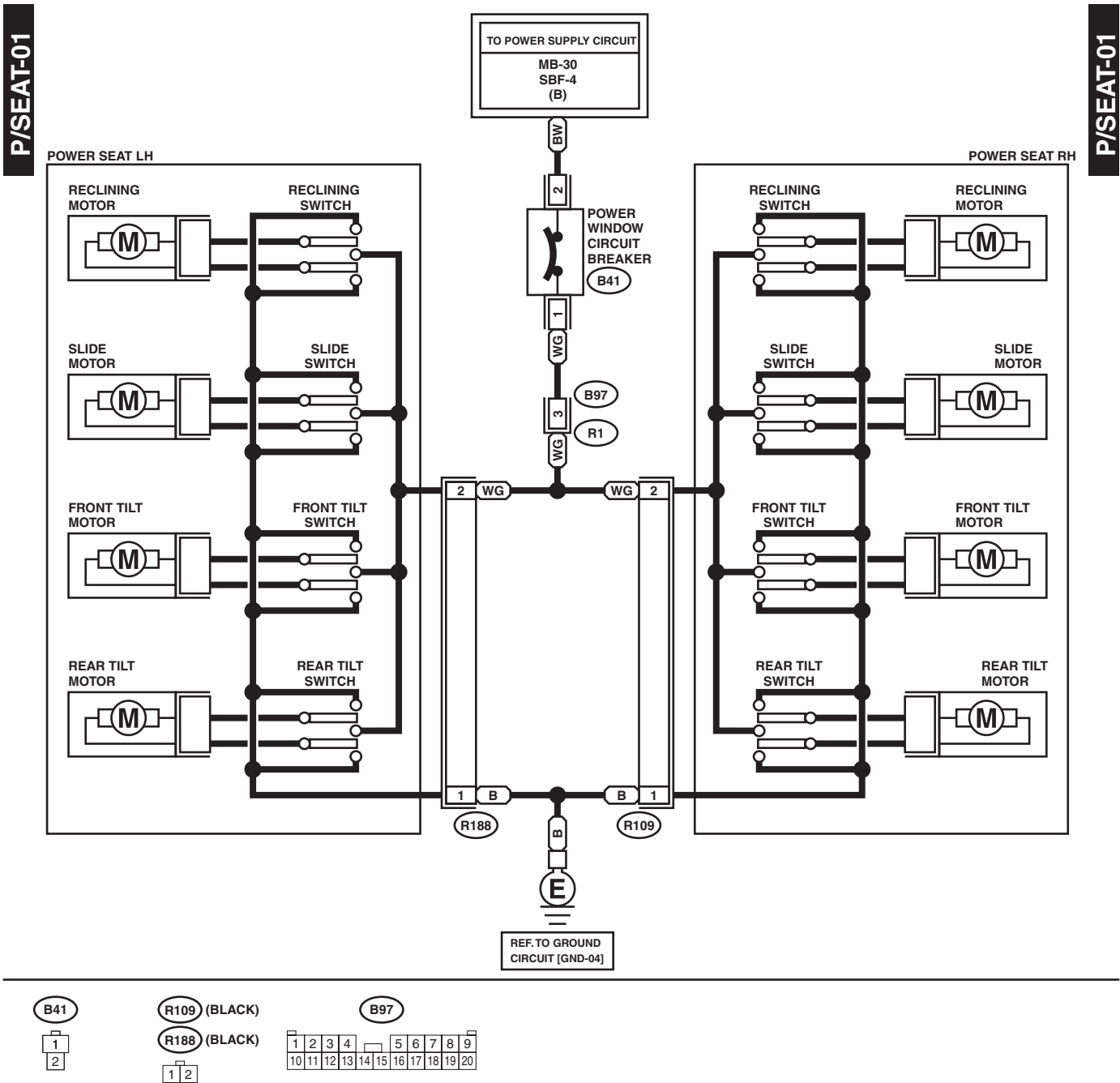
WI-09776

# Power Seat System

WIRING SYSTEM

## 15.Power Seat System

### A: WIRING DIAGRAM



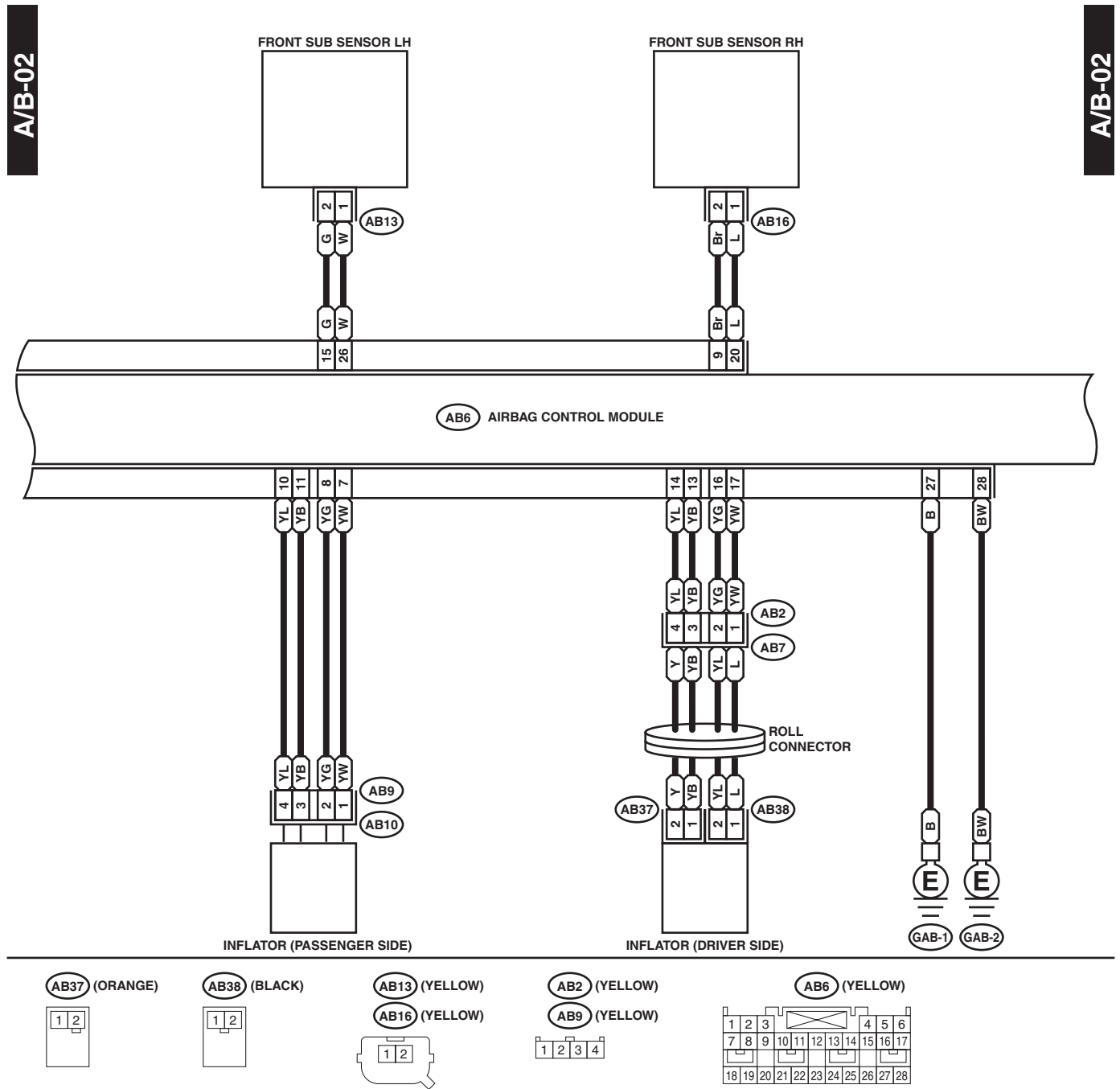
WI-09777

## A: WIRING DIAGRAM



# Airbag System

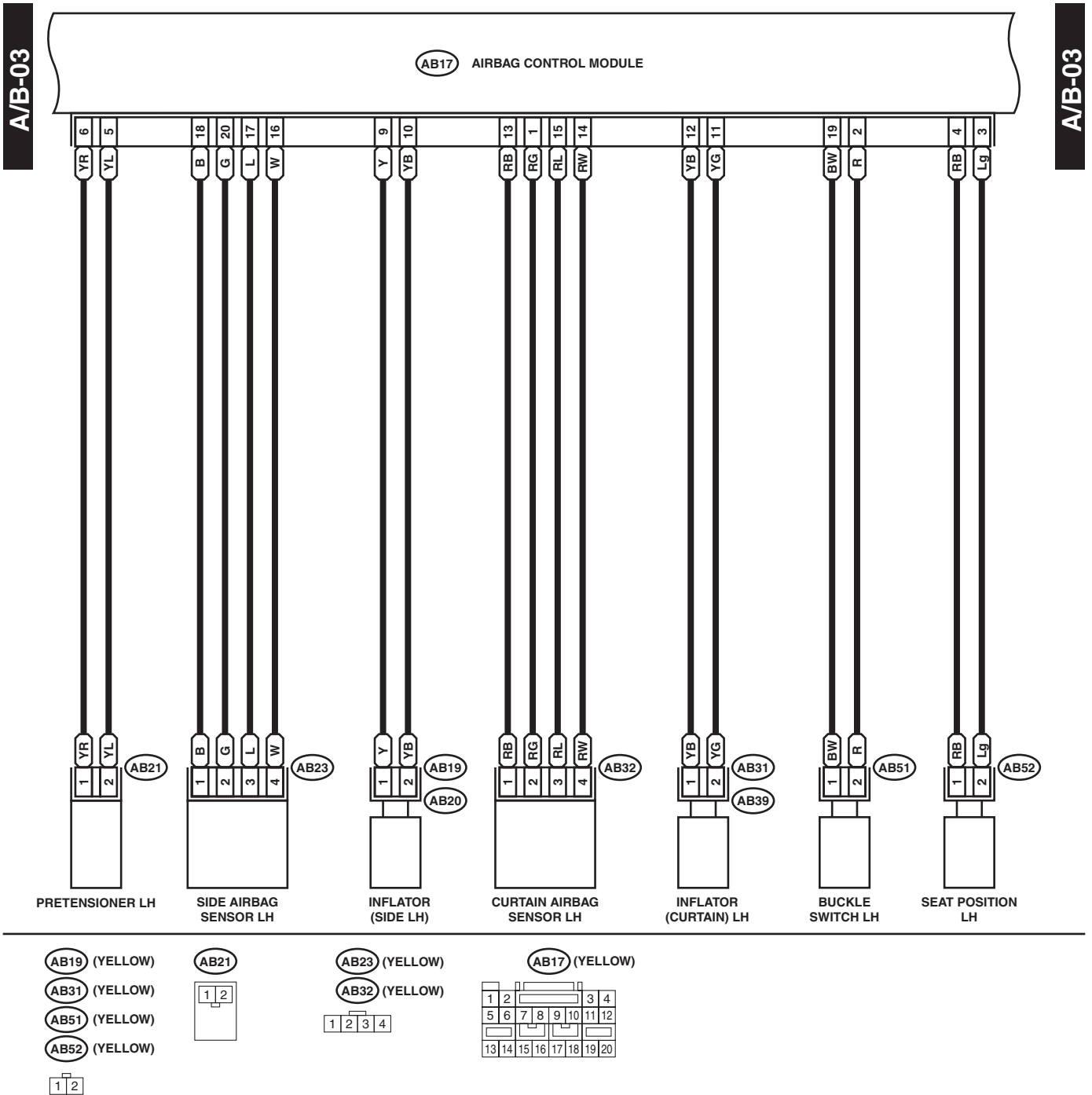
## WIRING SYSTEM



WI-09779

# Airbag System

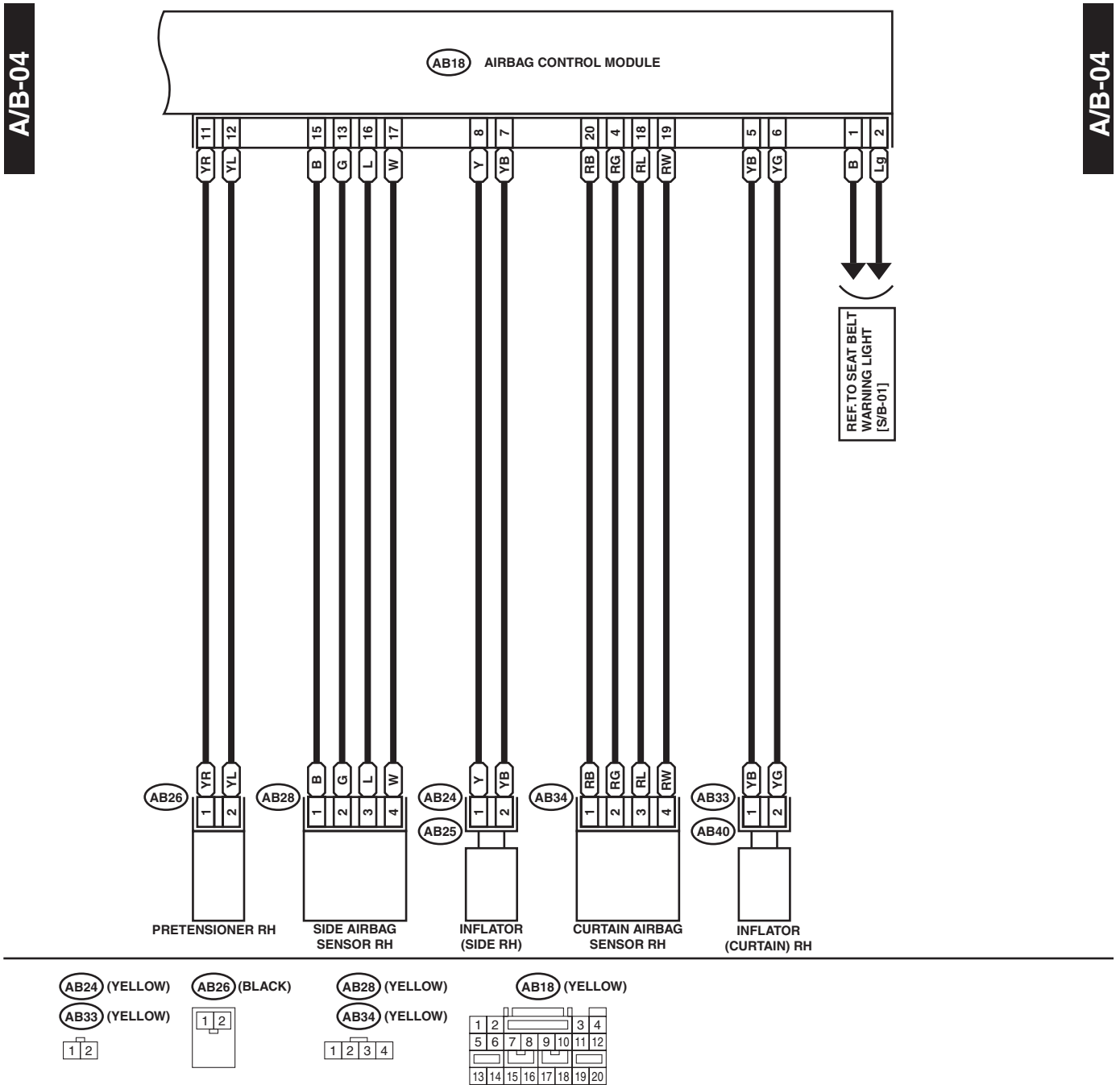
WIRING SYSTEM



WI-09780

# Airbag System

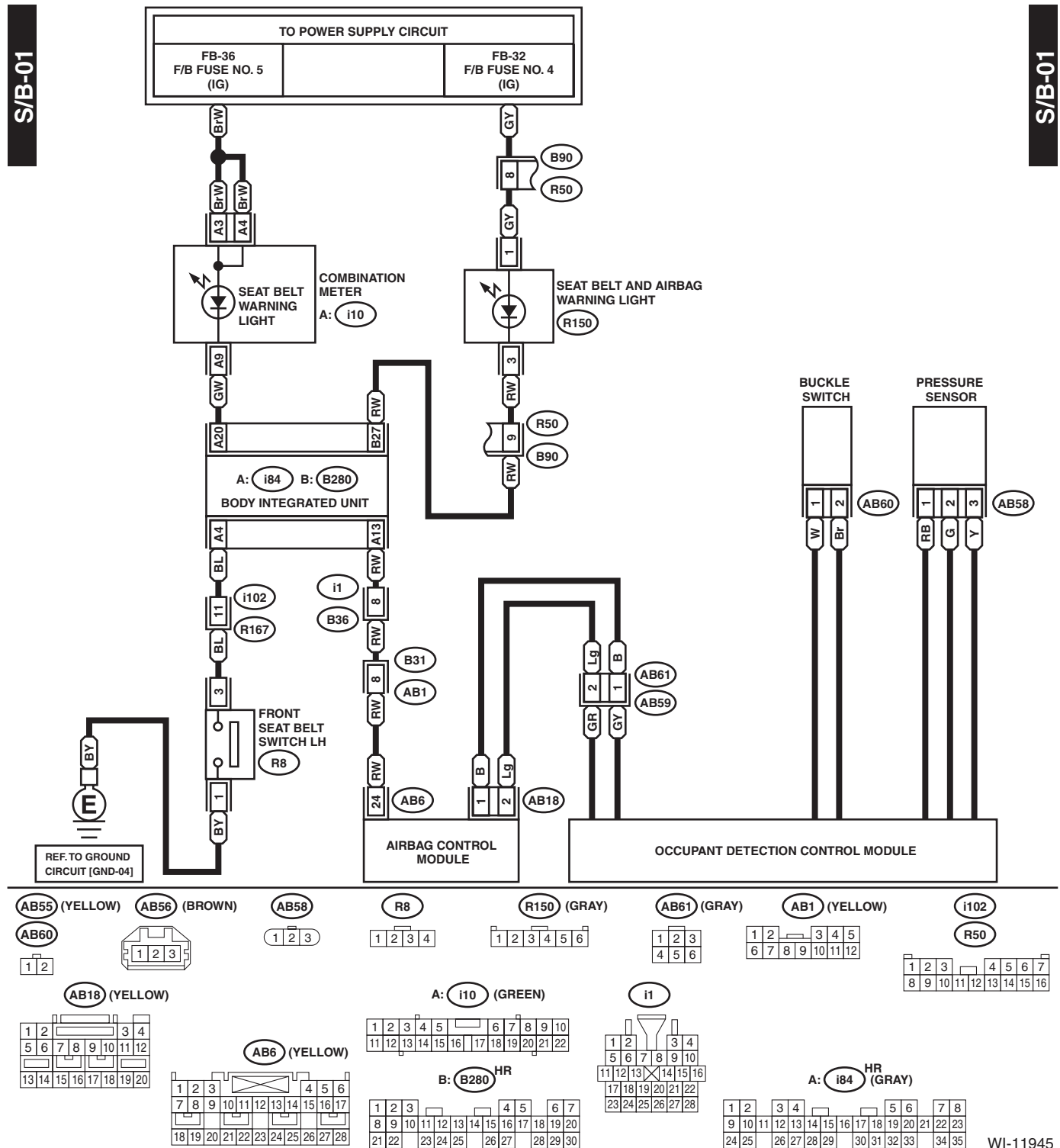
## WIRING SYSTEM



WI-09781

## 17.Seat Belt Warning System

### A: WIRING DIAGRAM

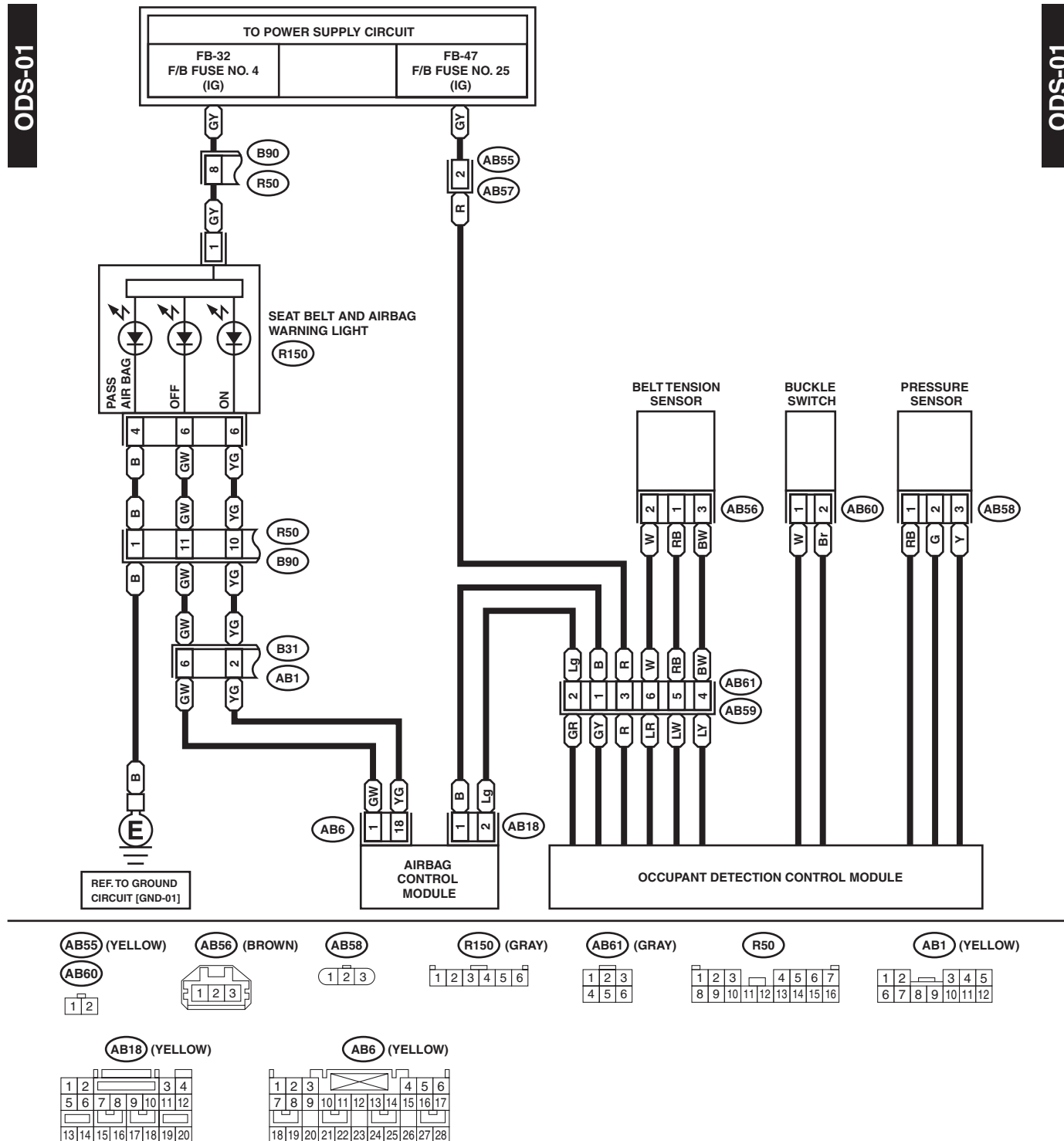


# Occupant Detection System

## WIRING SYSTEM

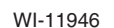
### 18. Occupant Detection System

#### A: WIRING DIAGRAM



WI-09783

## A: WIRING DIAGRAM

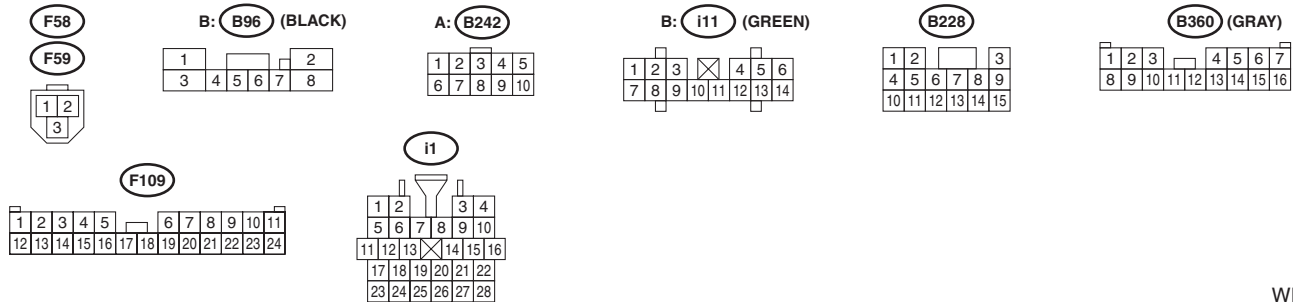
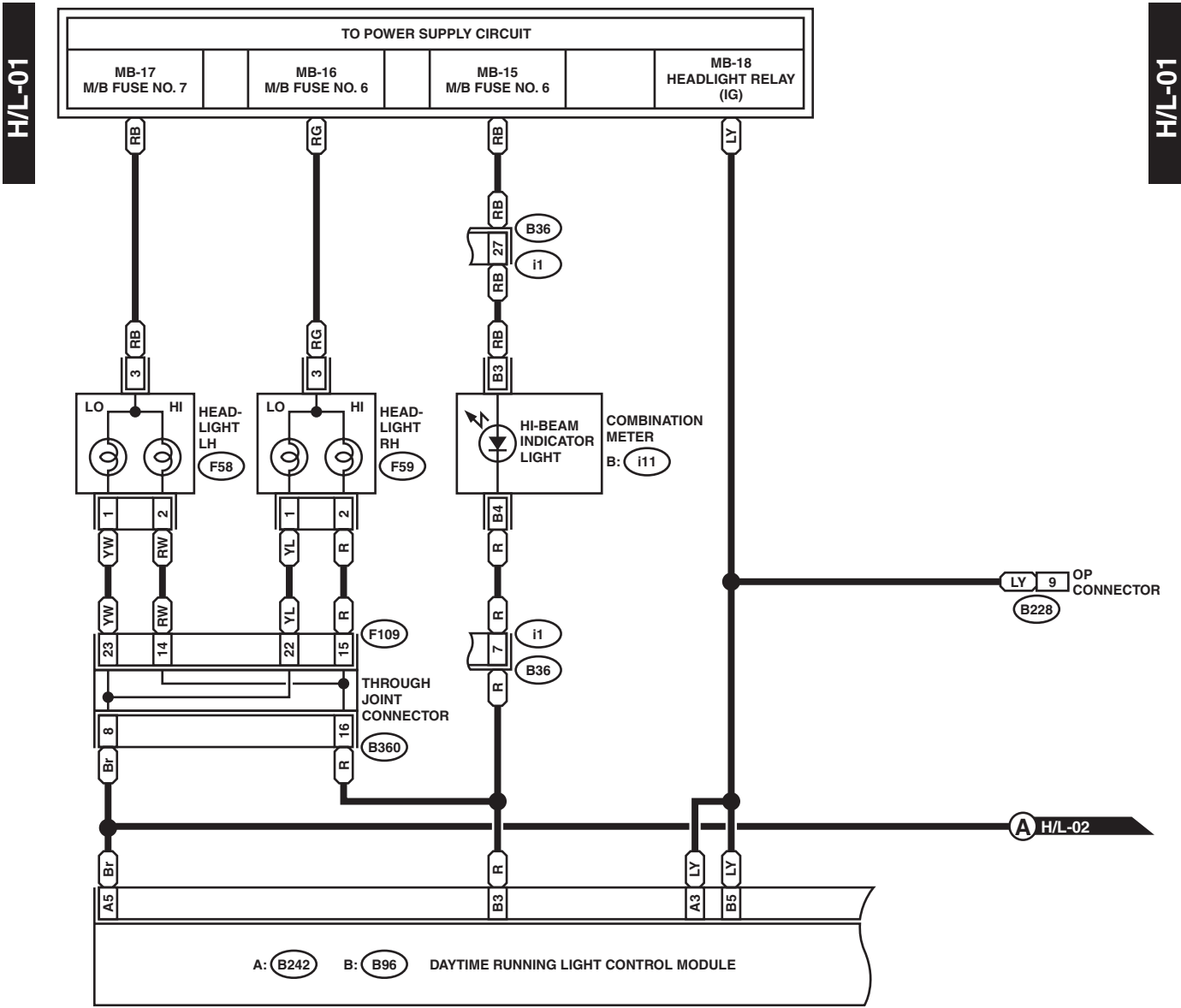


# Headlight System

WIRING SYSTEM

## 20.Headlight System

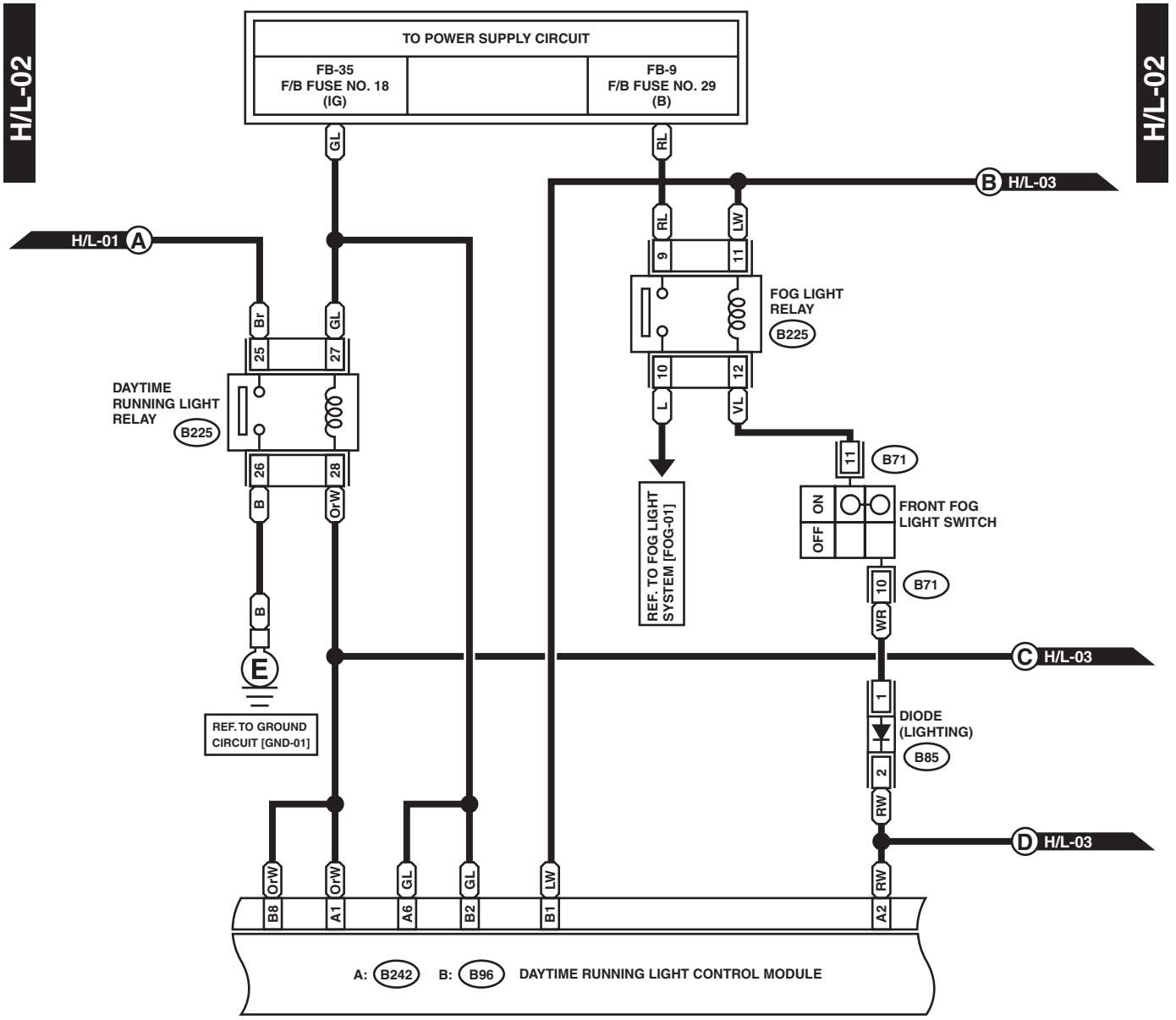
### A: WIRING DIAGRAM



WI-09785

# Headlight System

WIRING SYSTEM



(B85) (BLACK)

B: (B96) (BLACK)

A: (B242)

(B71)

(B225) (BLACK)

|   |   |
|---|---|
| 1 | 2 |
|---|---|

|   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|---|---|---|---|---|---|---|---|

|   |   |   |   |    |
|---|---|---|---|----|
| 1 | 2 | 3 | 4 | 5  |
| 6 | 7 | 8 | 9 | 10 |

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

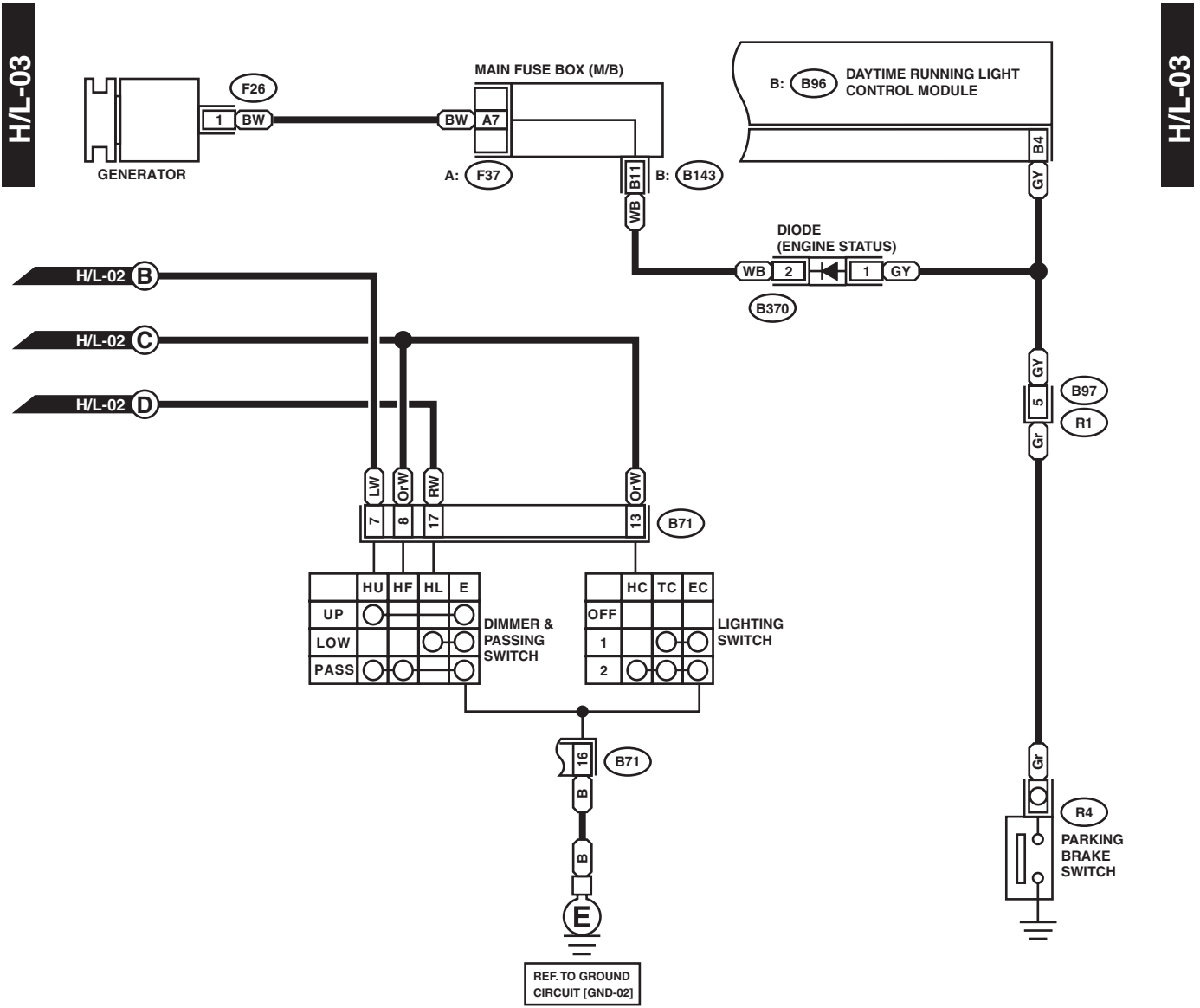
|   |   |    |    |    |    |    |    |    |    |
|---|---|----|----|----|----|----|----|----|----|
| 1 | 2 | 9  | 13 | 17 | 21 |    |    |    |    |
| 3 | 4 | 10 | 14 | 18 | 22 |    |    |    |    |
| 5 | 6 | 11 | 12 | 15 | 16 | 19 | 20 | 23 | 24 |
| 7 | 8 | 25 | 29 | 33 | 37 |    |    |    |    |
|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

RELAY BLOCK

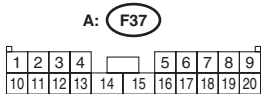
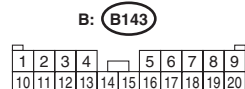
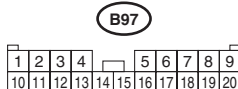
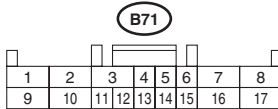
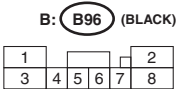
WI-09786

# Headlight System

## WIRING SYSTEM



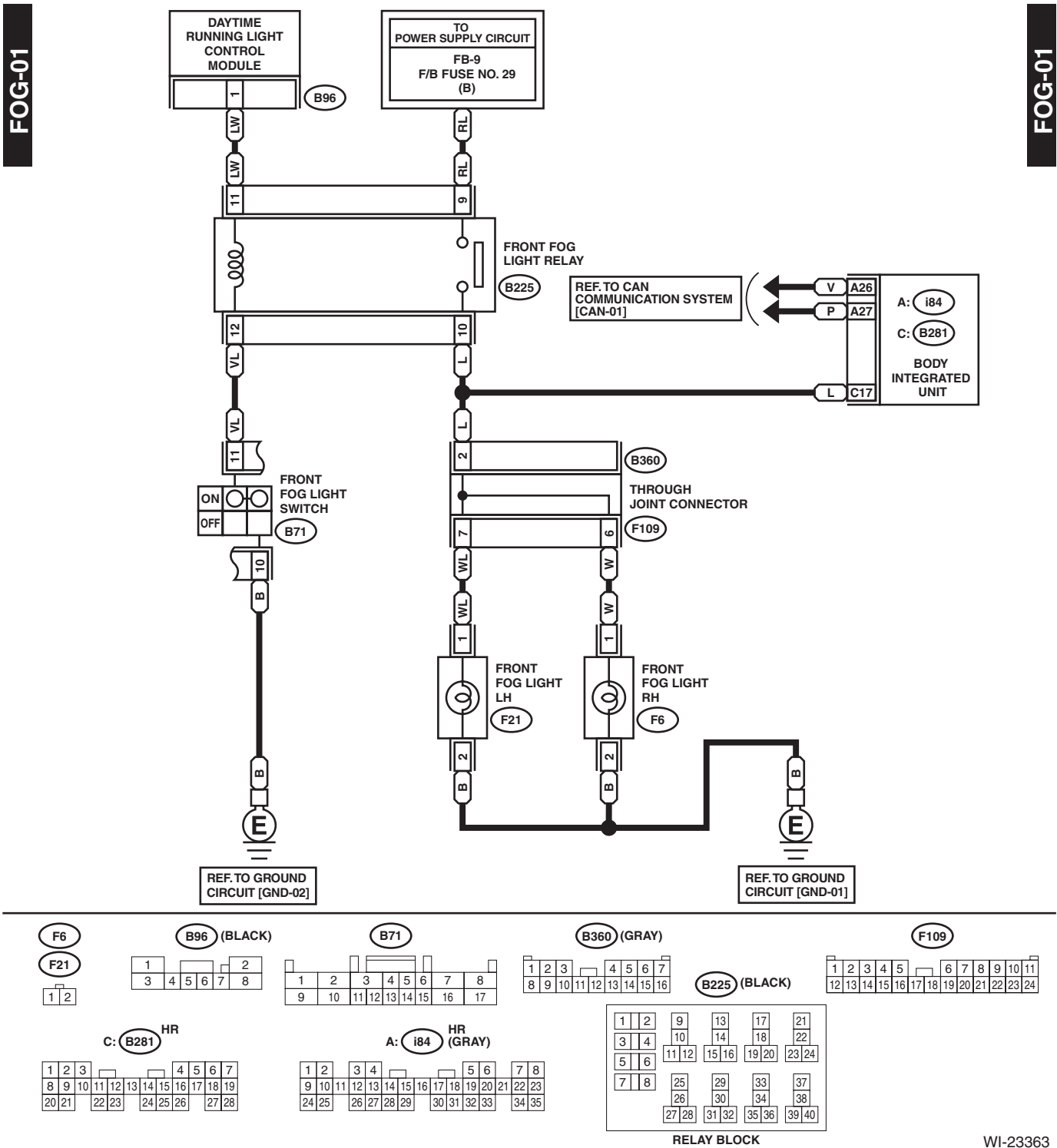
H/L-03



WI-09787

## 21.Front Fog Light System

### A: WIRING DIAGRAM



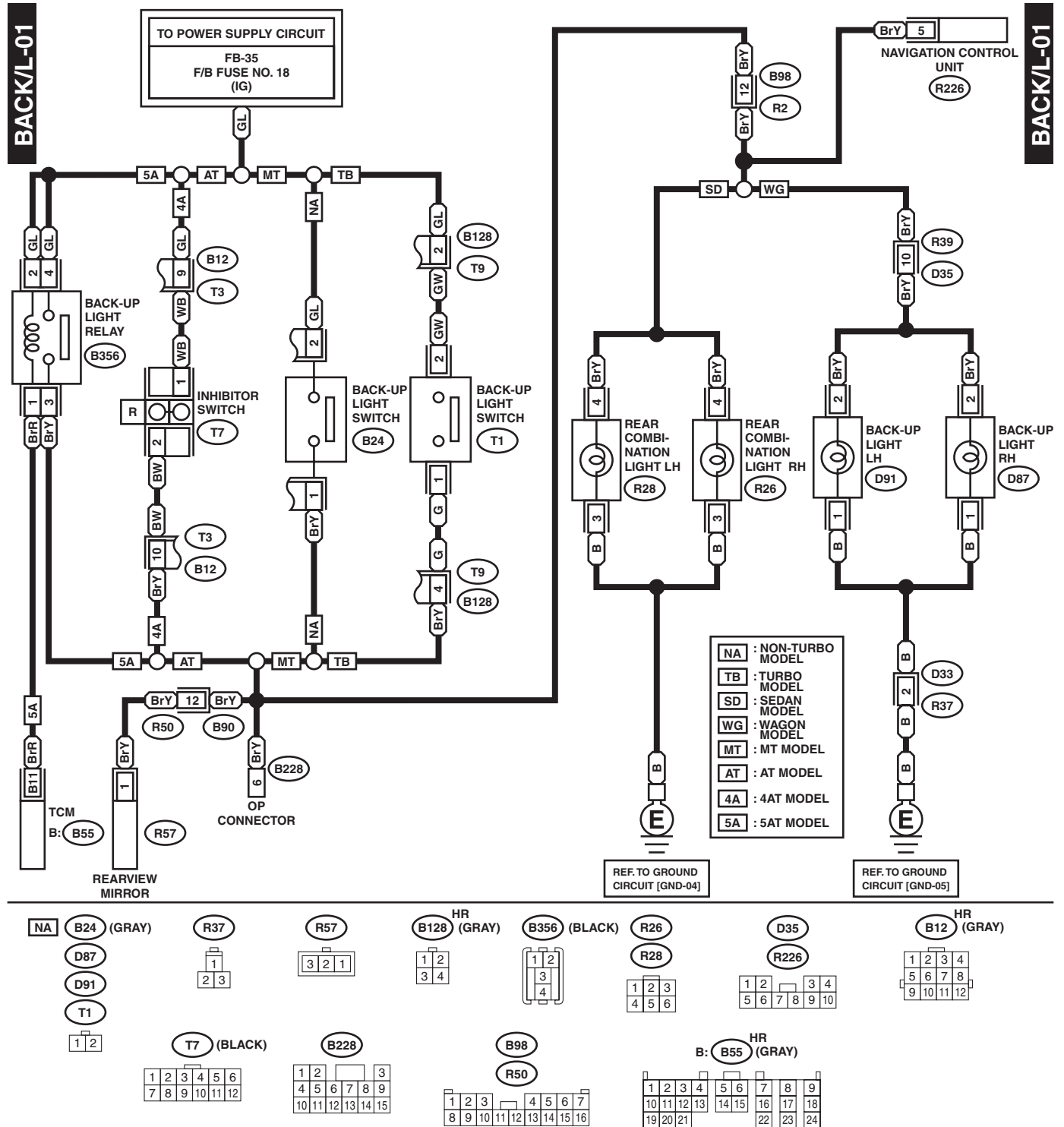
WI-23363

# Back-up Light System

## WIRING SYSTEM

### 22.Back-up Light System

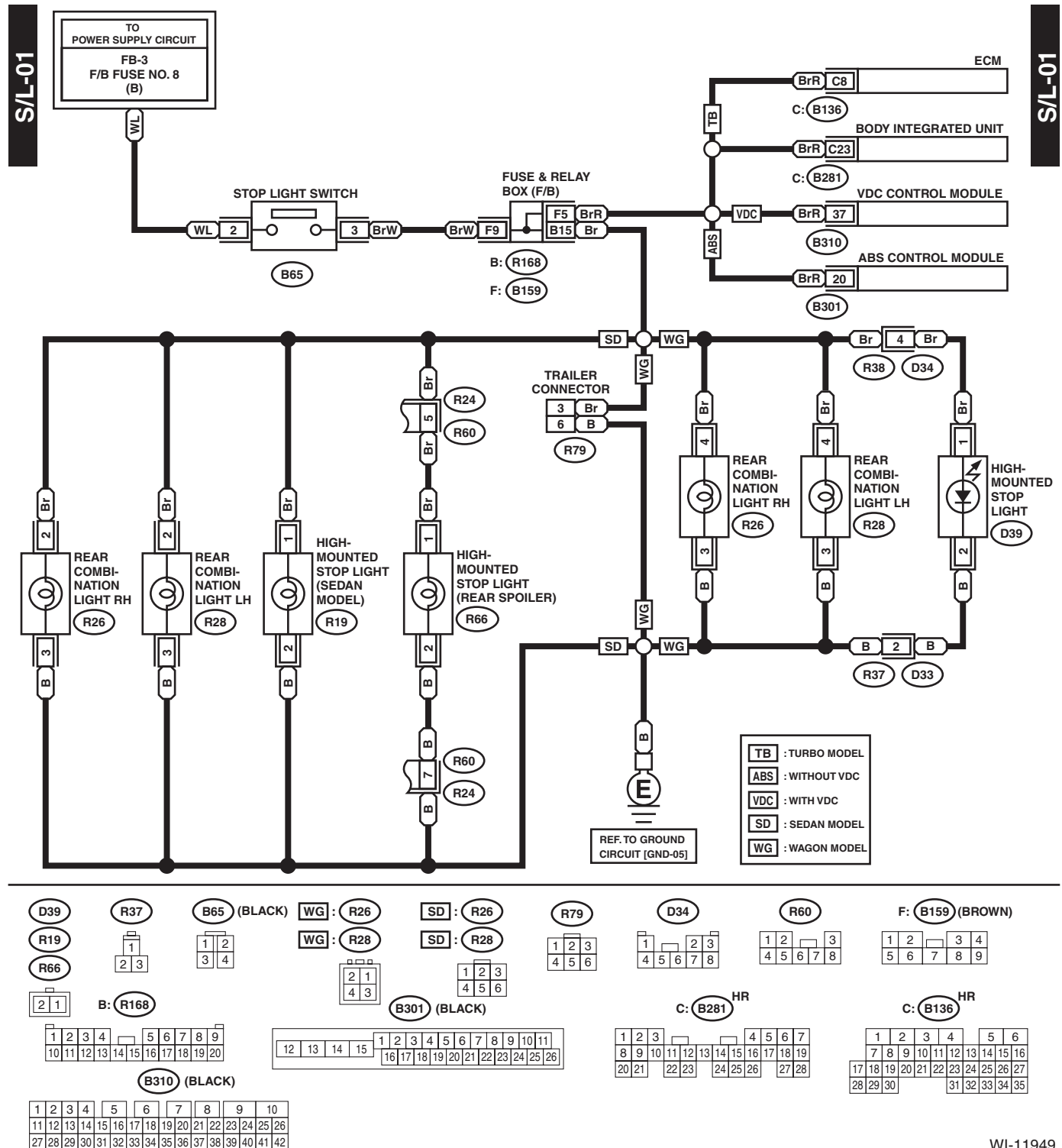
#### A: WIRING DIAGRAM



WI-11948

## 23. Stop Light System

## A: WIRING DIAGRAM

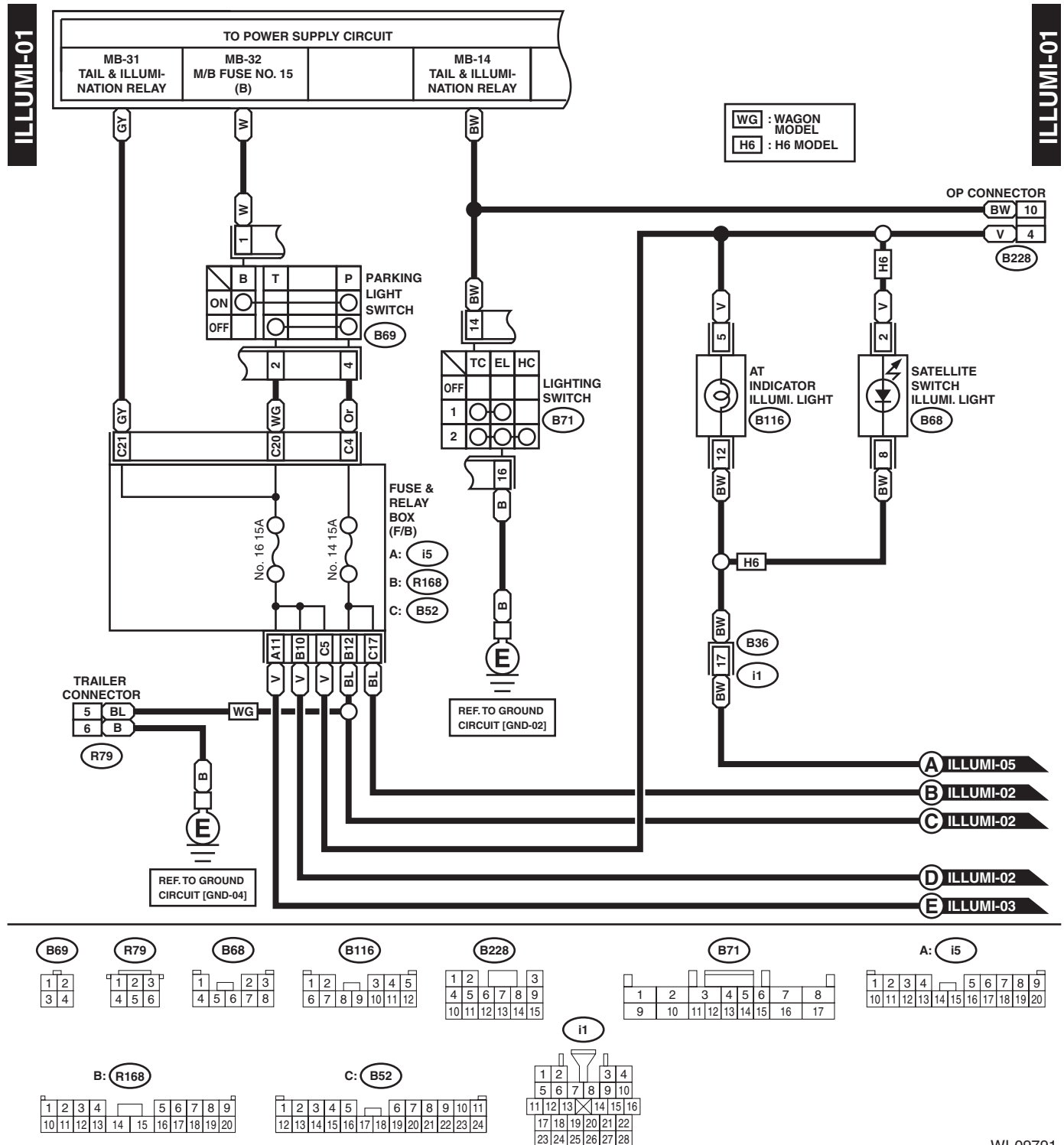


# Clearance Light and Illumination Light System

WIRING SYSTEM

## 24. Clearance Light and Illumination Light System

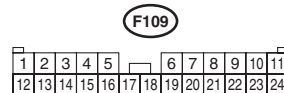
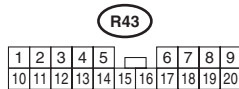
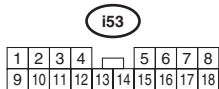
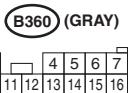
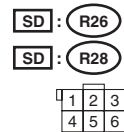
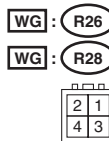
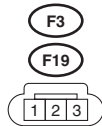
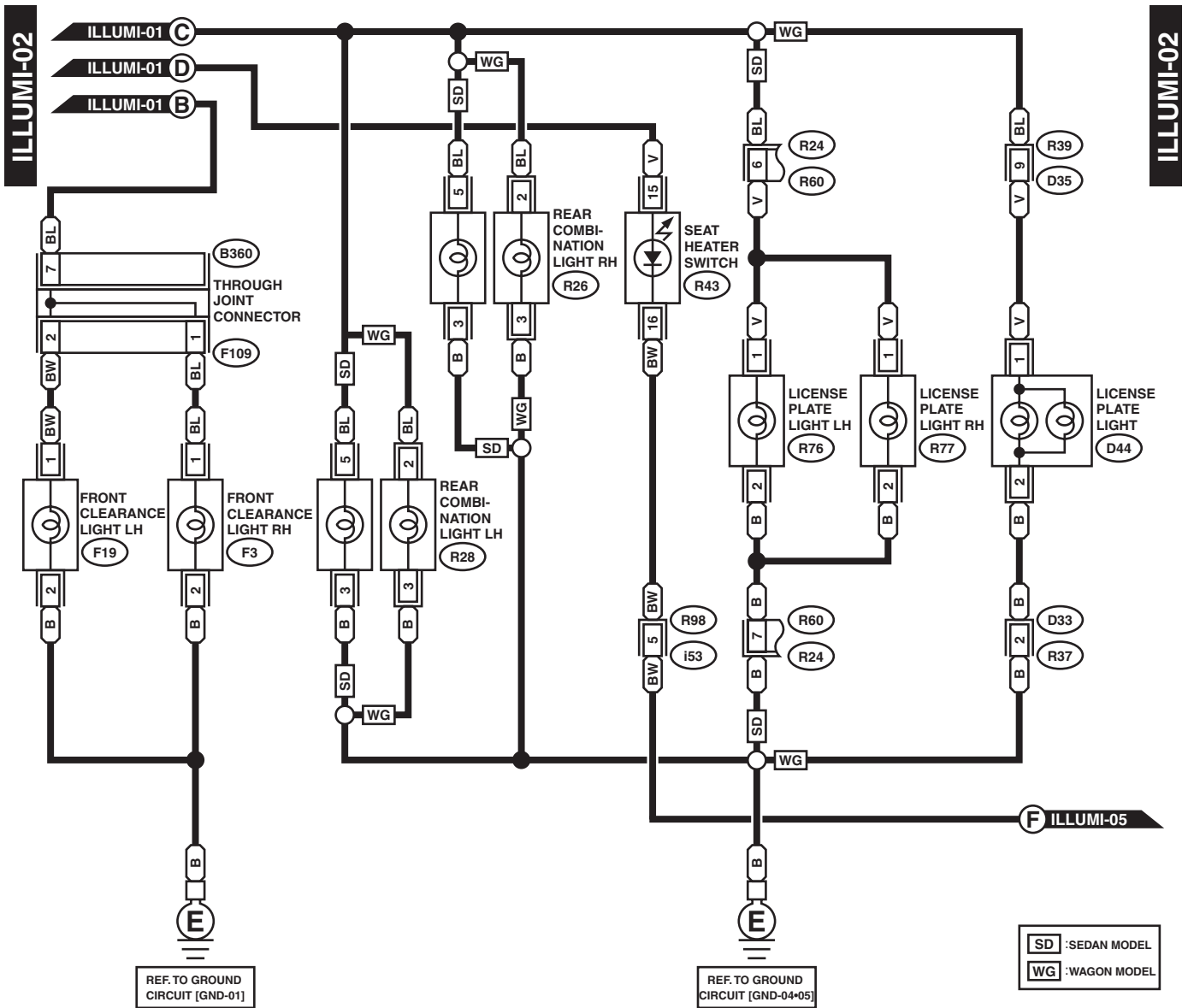
### A: WIRING DIAGRAM



WI-09791

# Clearance Light and Illumination Light System

WIRING SYSTEM

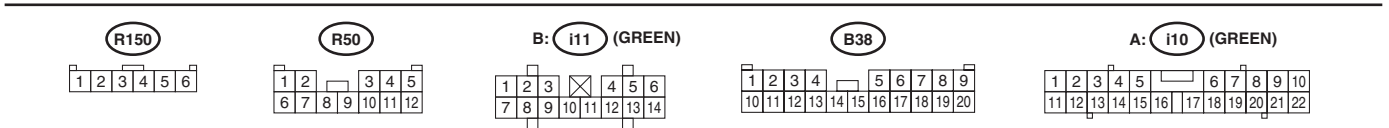


WI-09792

## WIRING SYSTEM

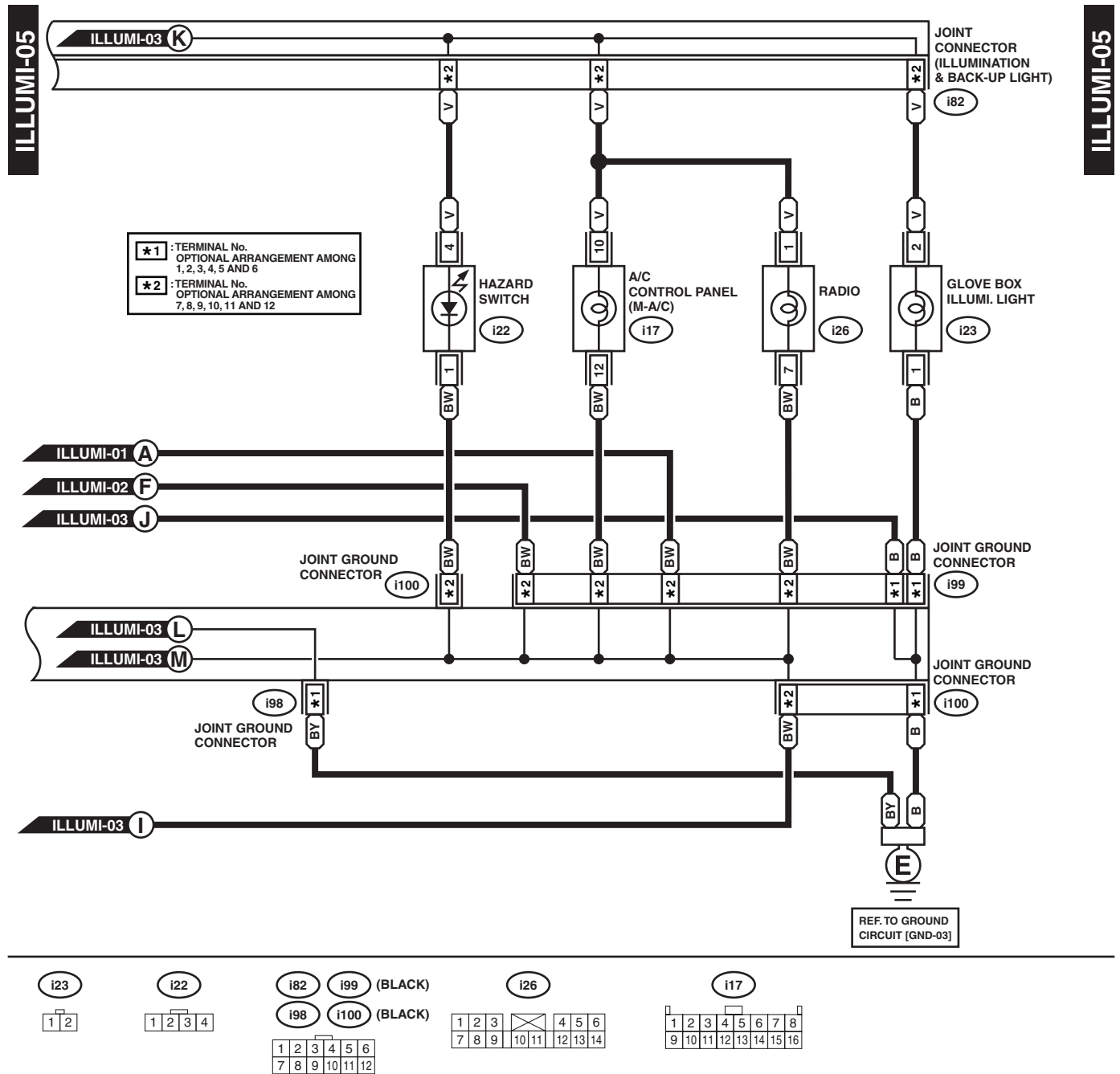


## WIRING SYSTEM

**WI-125**

# Clearance Light and Illumination Light System

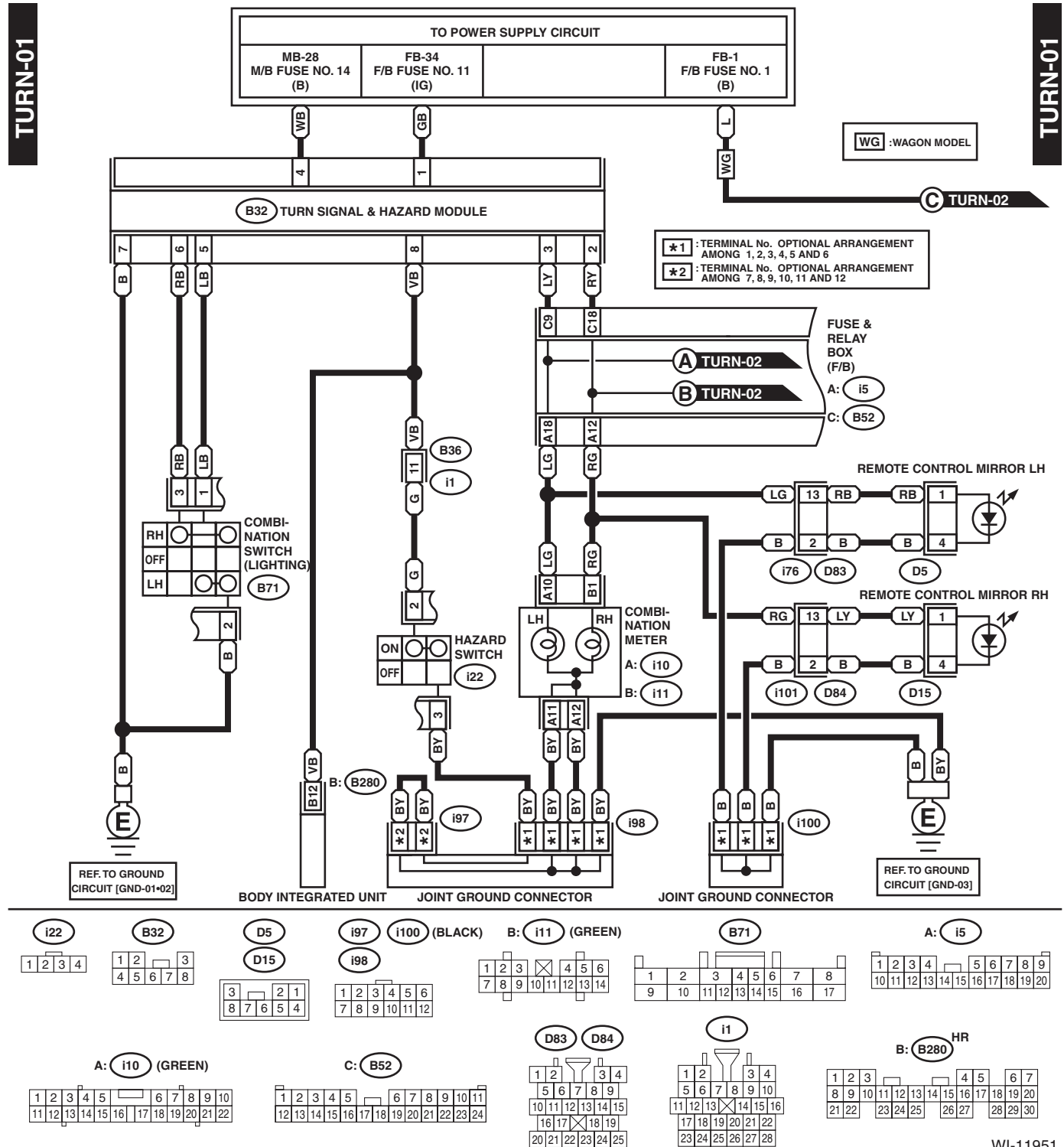
## WIRING SYSTEM



WI-09794

### 25. Turn Signal Light and Hazard Light System

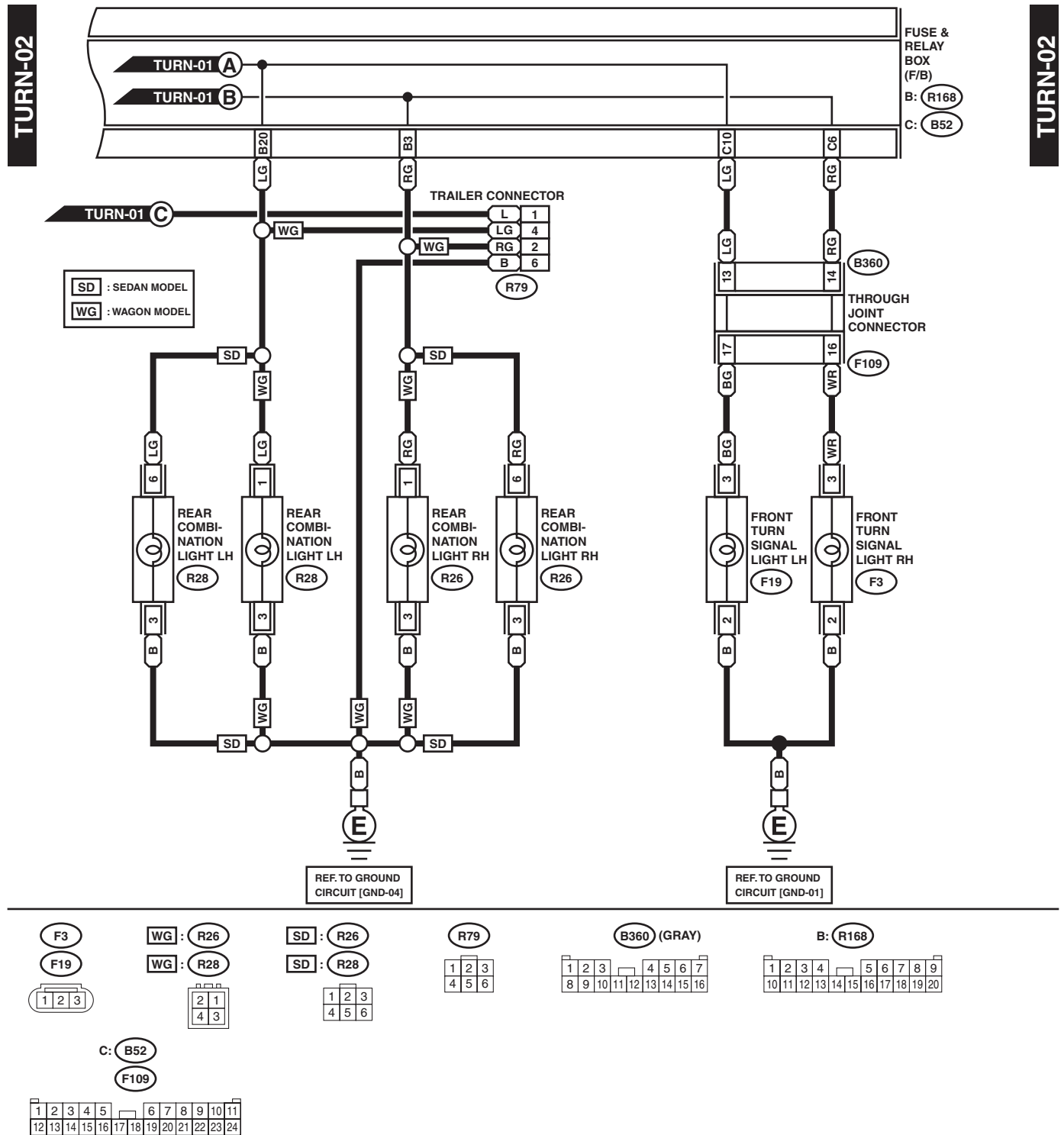
#### A: WIRING DIAGRAM



WI-11951

# Turn Signal Light and Hazard Light System

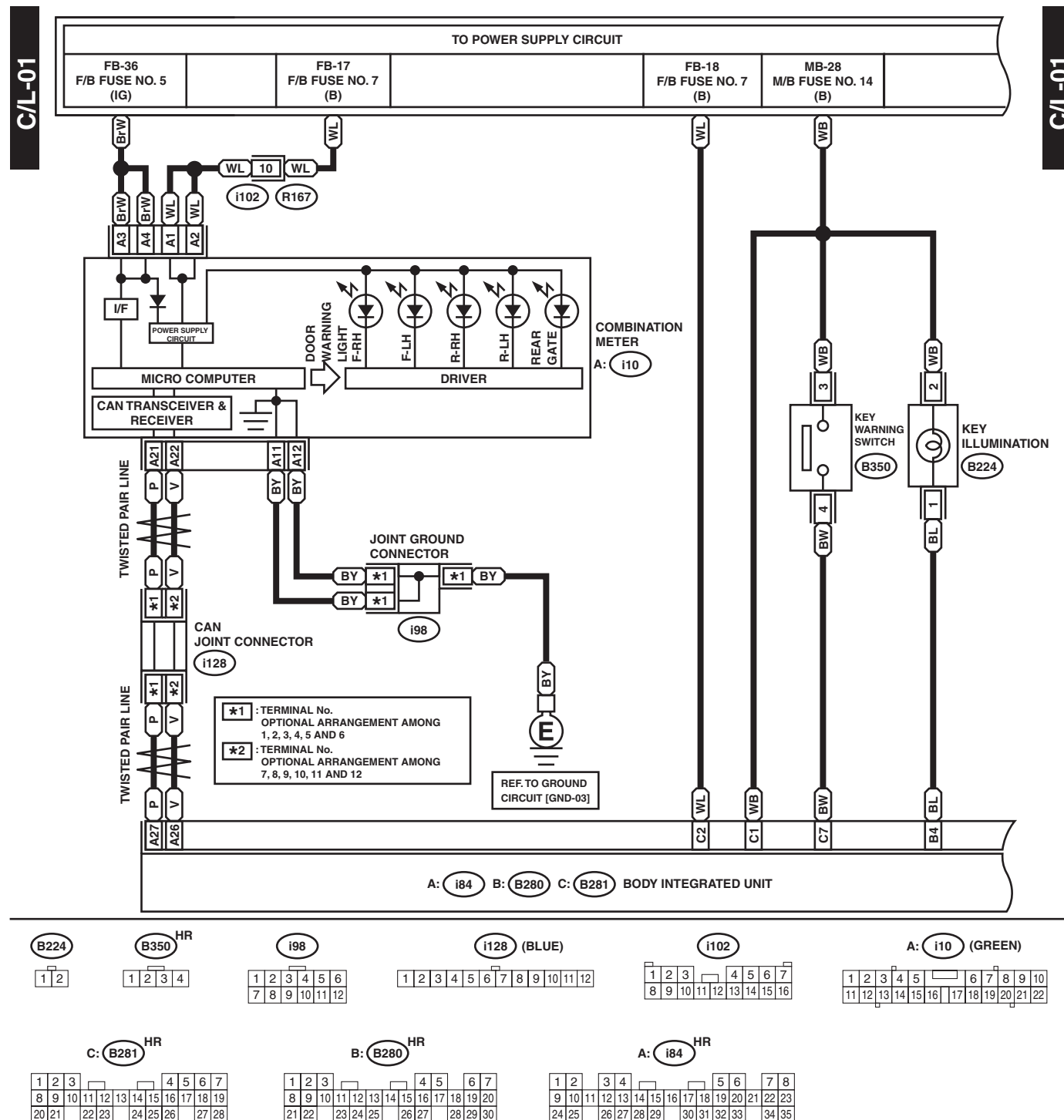
## WIRING SYSTEM



WI-09796

## 26. Interior Light System

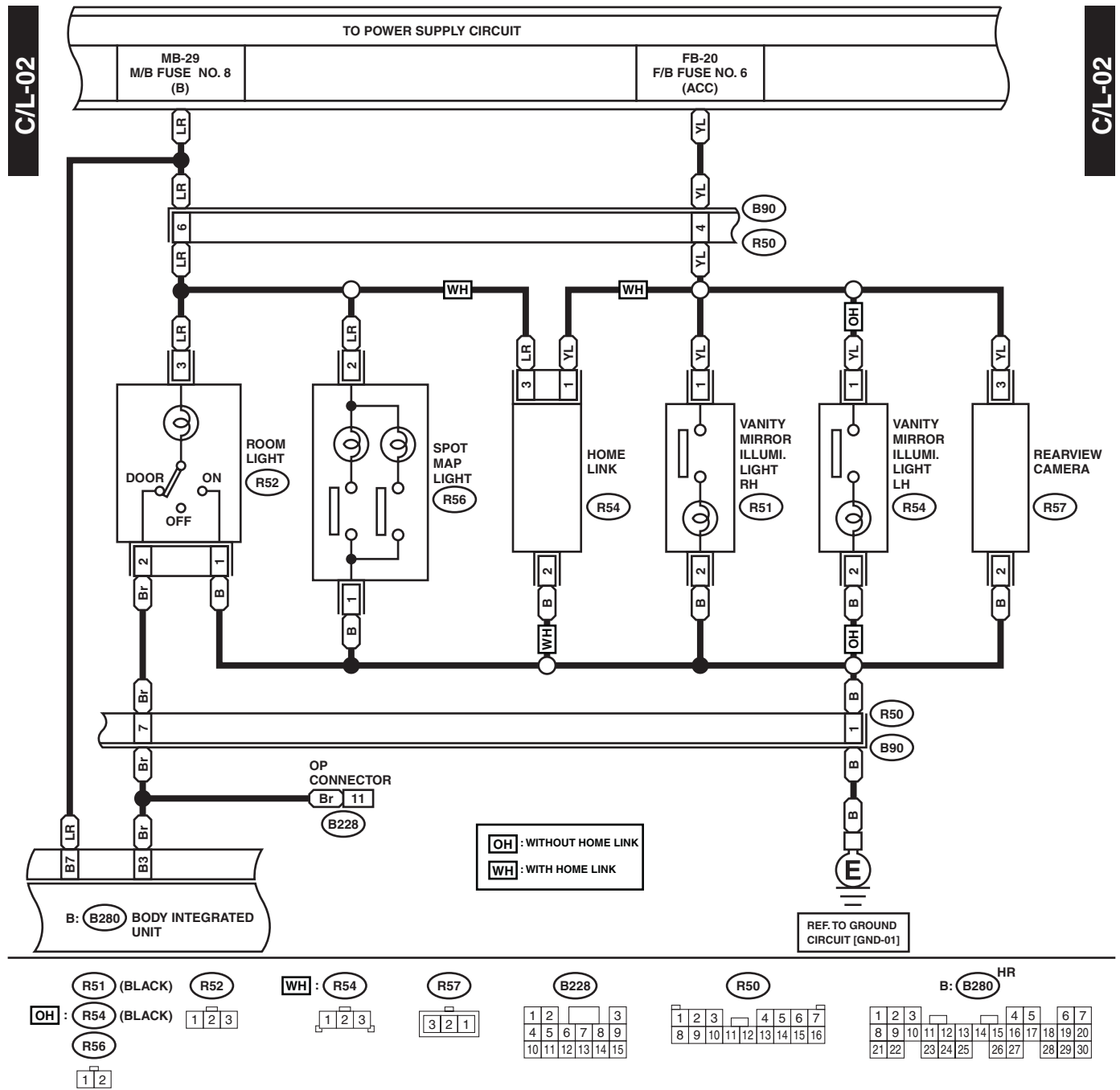
### A: WIRING DIAGRAM



WI-11952

# Interior Light System

## WIRING SYSTEM



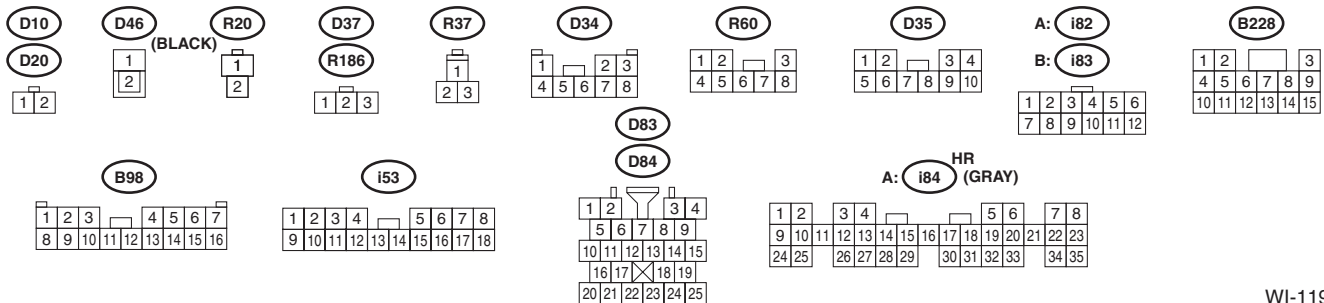
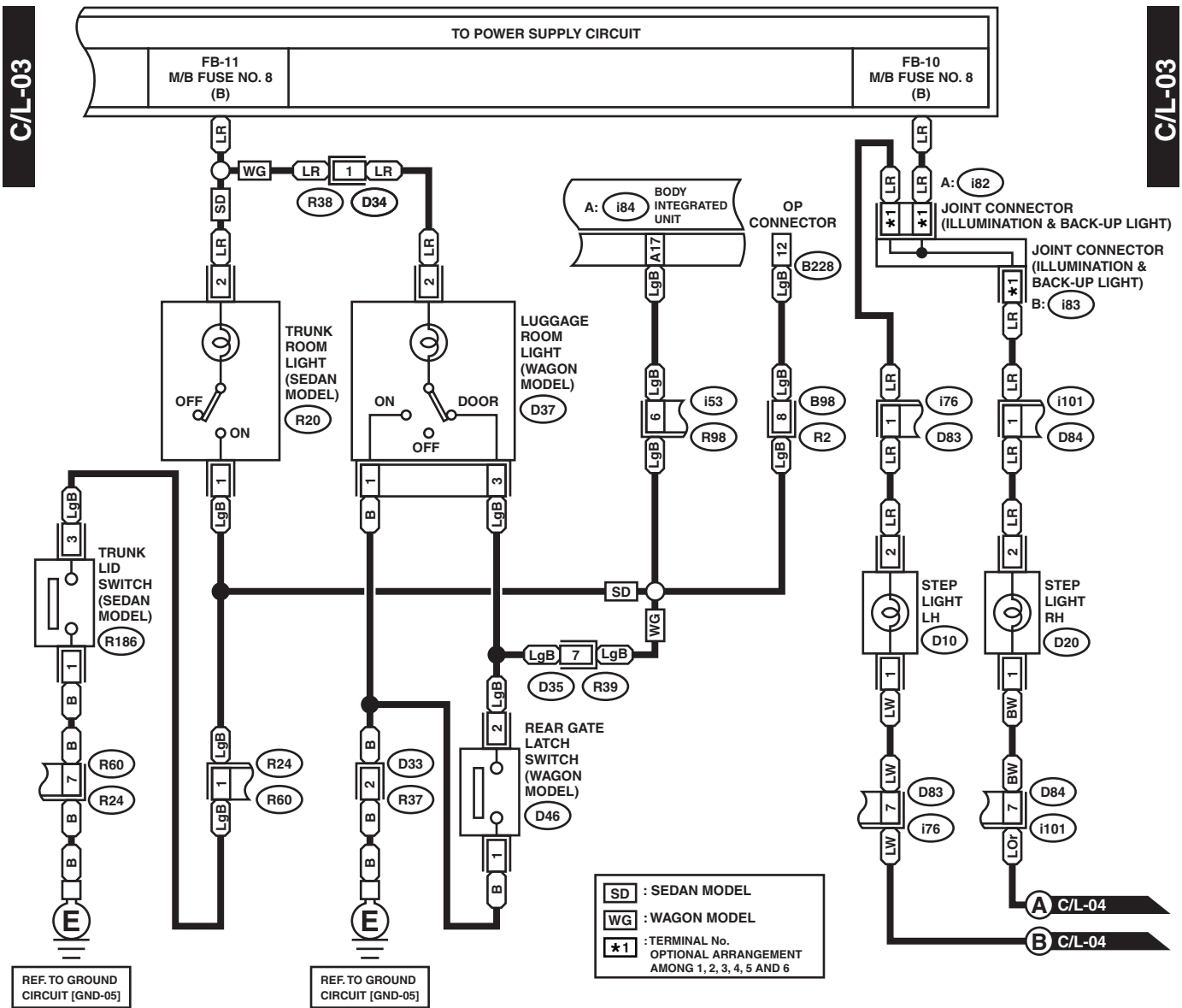
WI-11953

# Interior Light System

WIRING SYSTEM

C/L-03

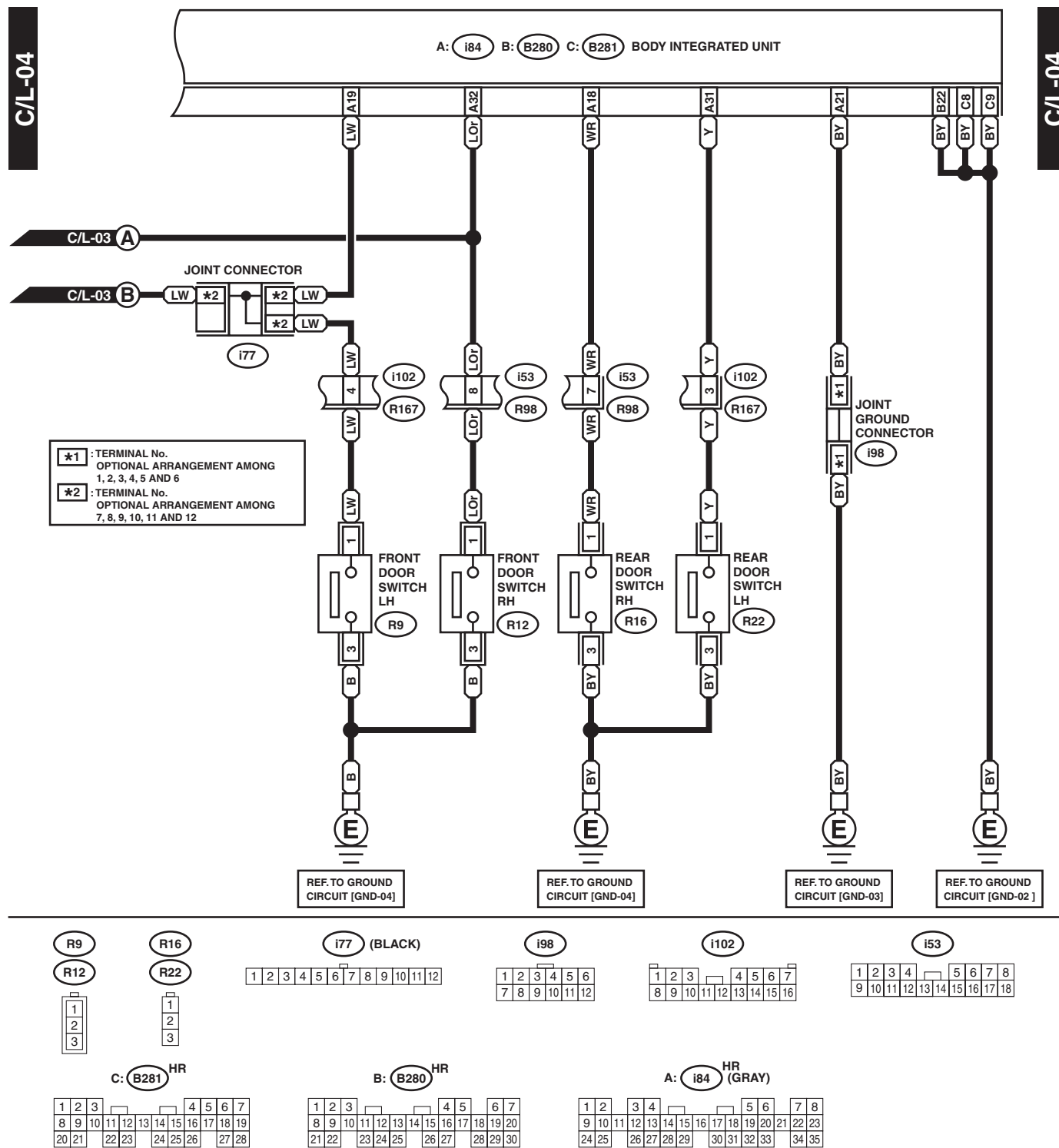
C/L-03



WI-11954

# Interior Light System

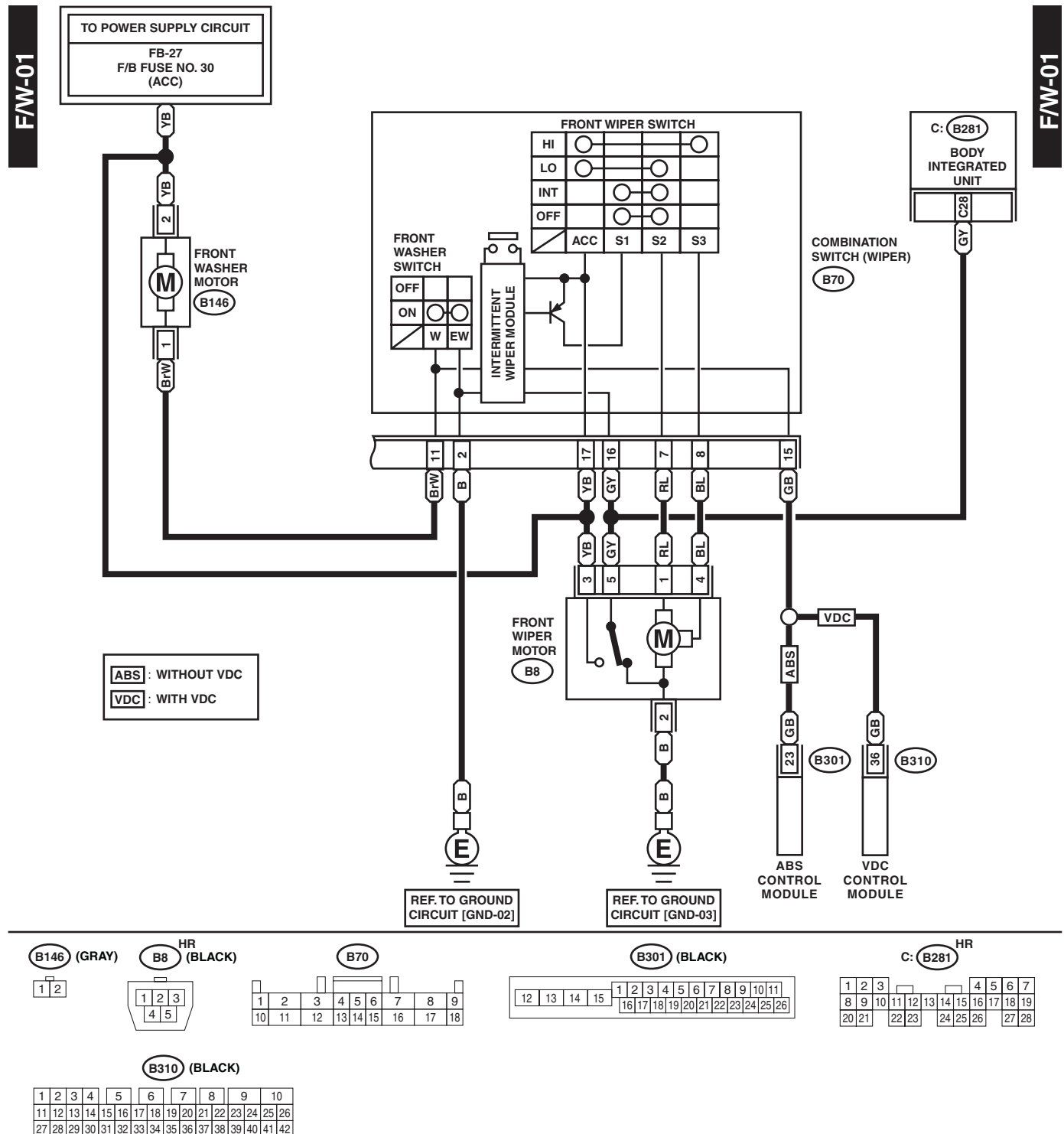
## WIRING SYSTEM



WI-11955

## 27.Front Wiper and Washer System

### A: WIRING DIAGRAM



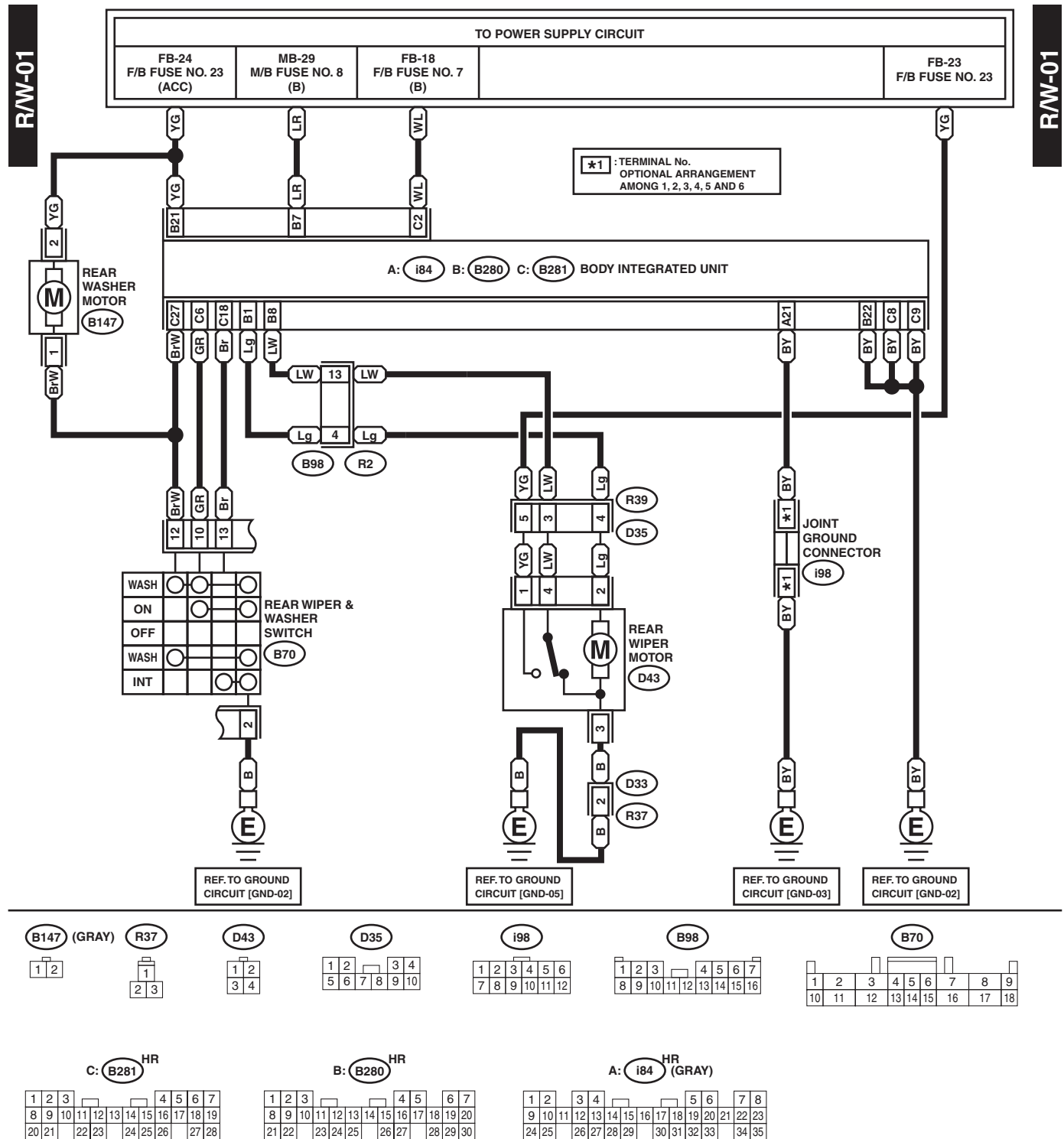
WI-11956

# Rear Wiper and Washer System

## WIRING SYSTEM

### 28.Rear Wiper and Washer System

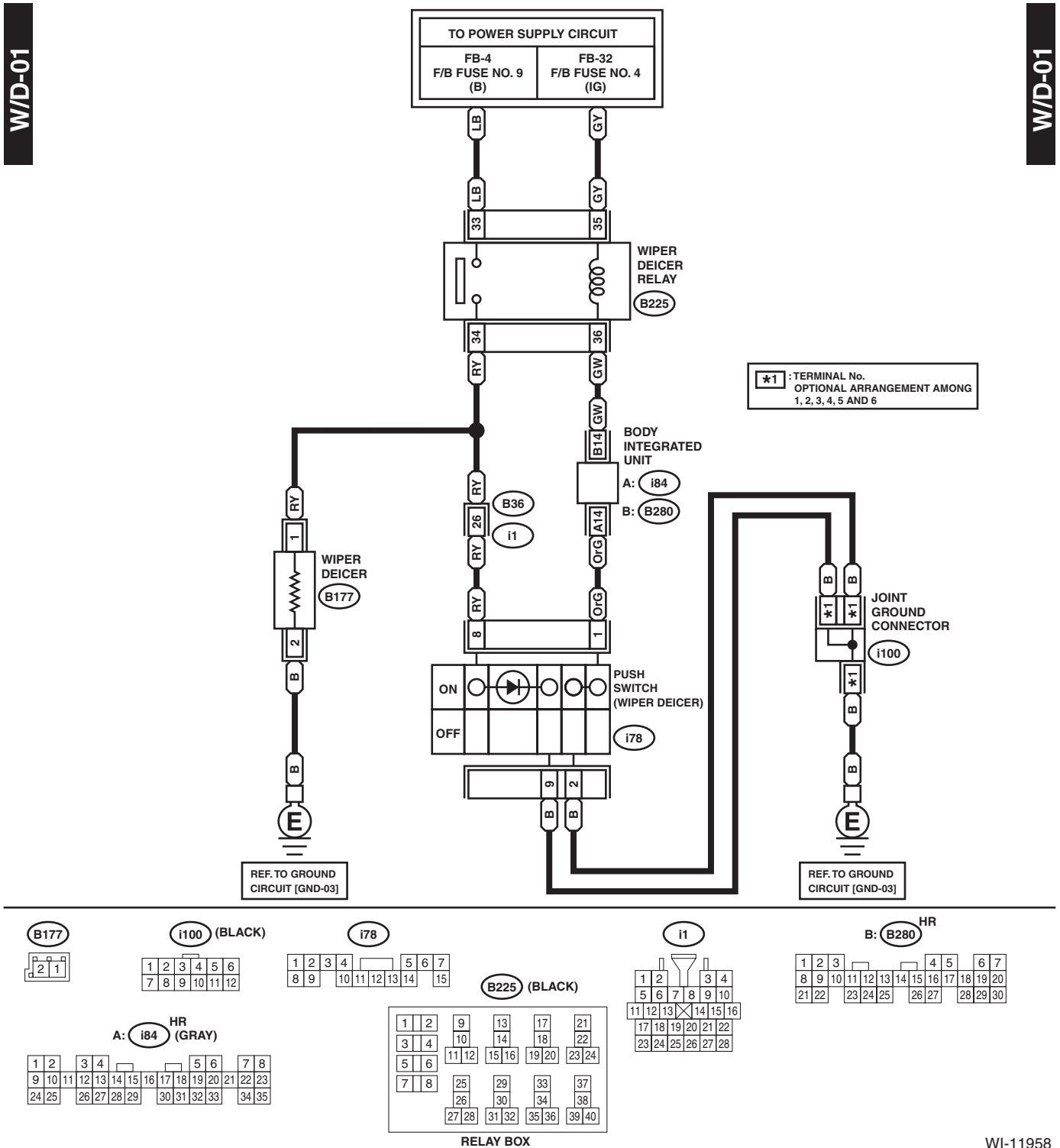
#### A: WIRING DIAGRAM



WI-11957

## 29. Wiper Deicer System

### A: WIRING DIAGRAM

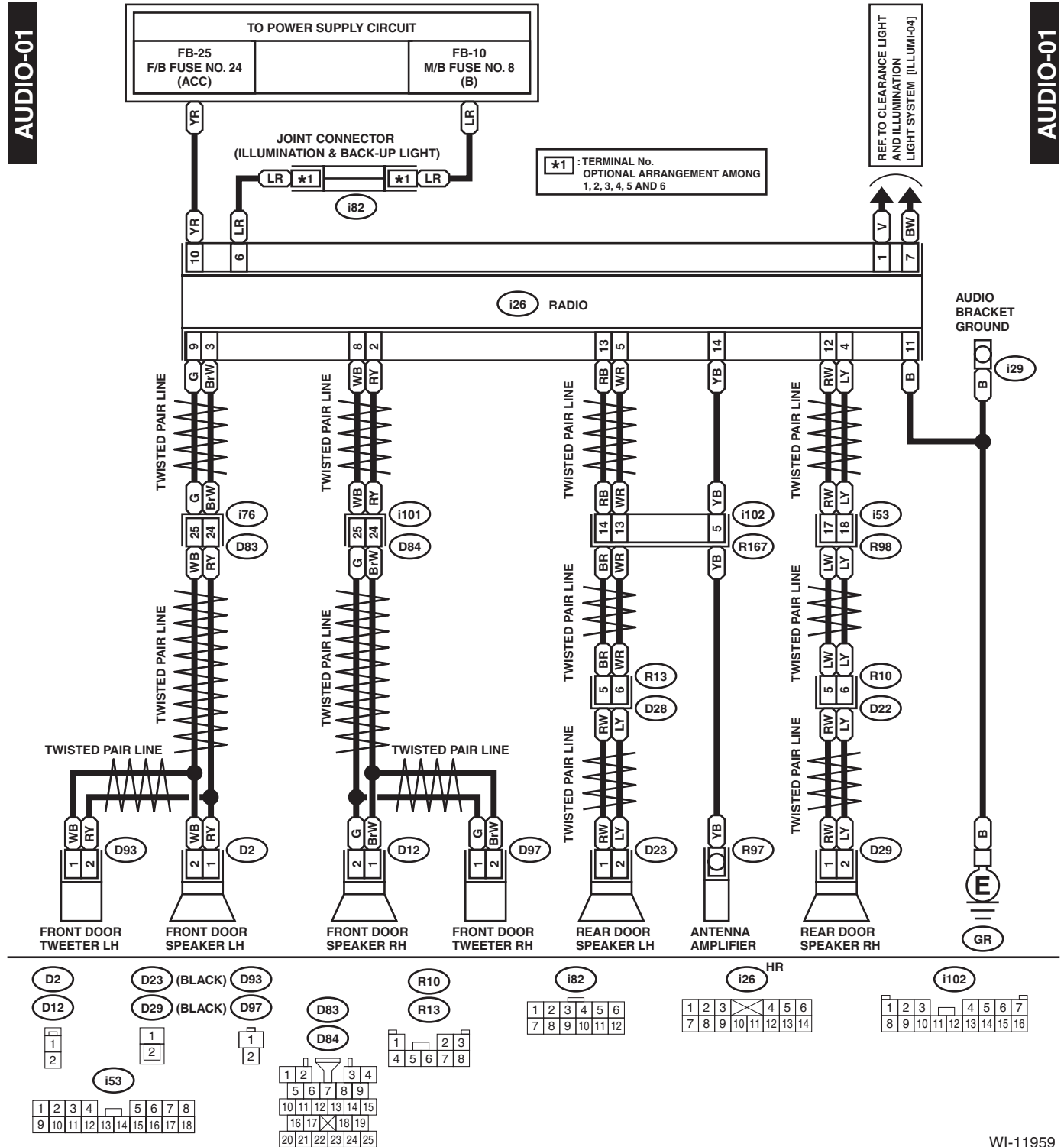


# Audio System

## WIRING SYSTEM

### 30.Audio System

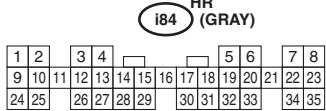
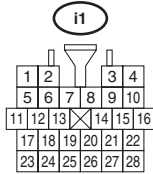
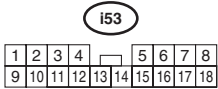
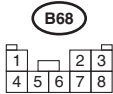
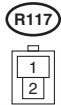
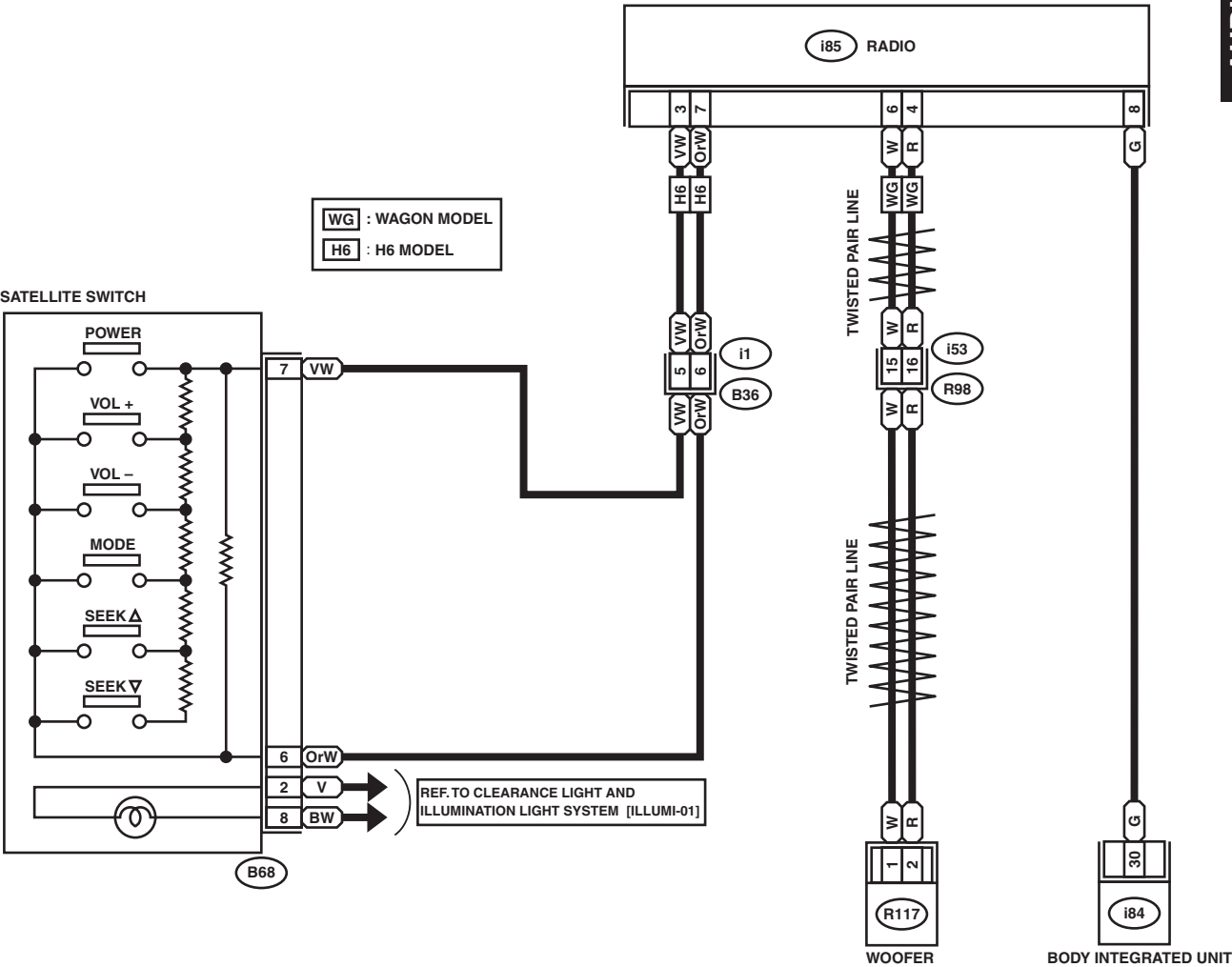
#### A: WIRING DIAGRAM



WI-11959

AUDIO-02

AUDIO-02



# Front Accessory Power Supply Socket System

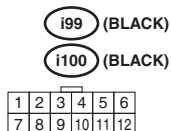
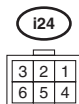
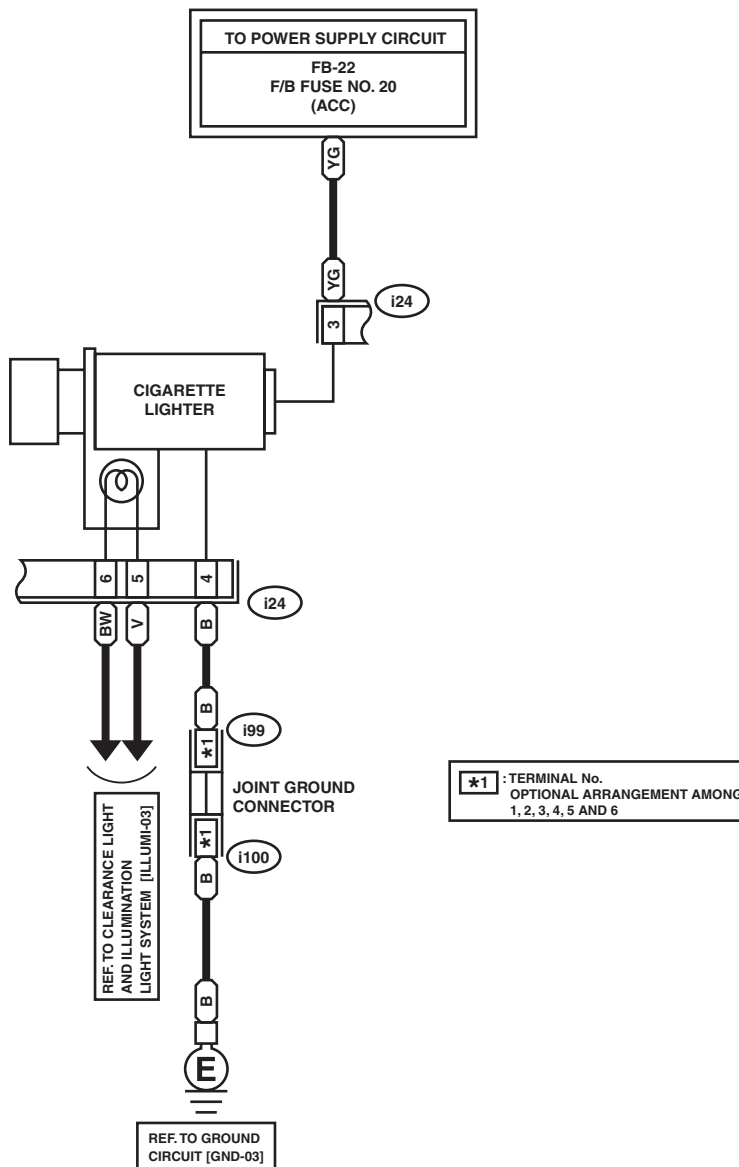
WIRING SYSTEM

## 31.Front Accessory Power Supply Socket System

### A: WIRING DIAGRAM

FAPS-01

FAPS-01



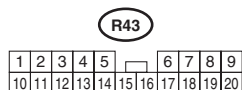
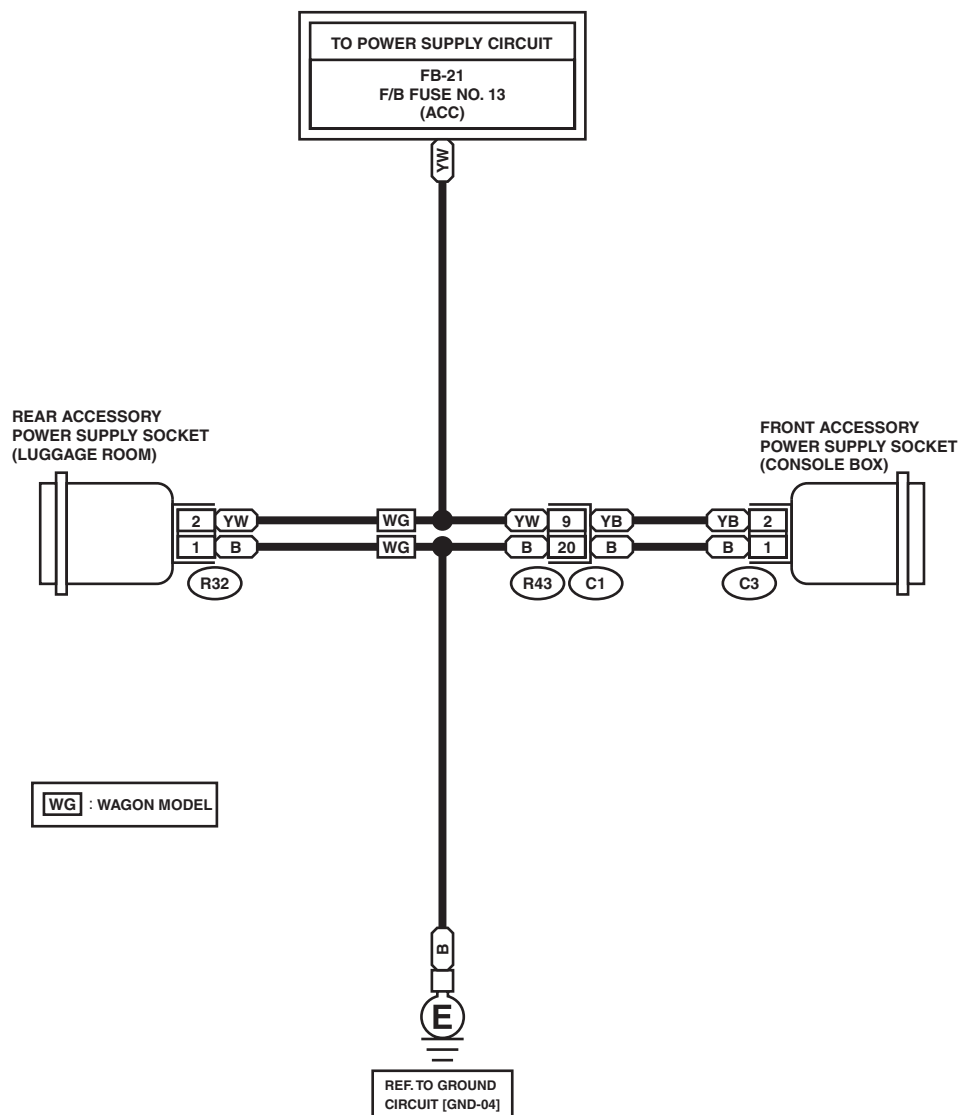
WI-09806

## 32.Rear Accessory Power Supply Socket System

### A: WIRING DIAGRAM

RAPS-01

RAPS-01

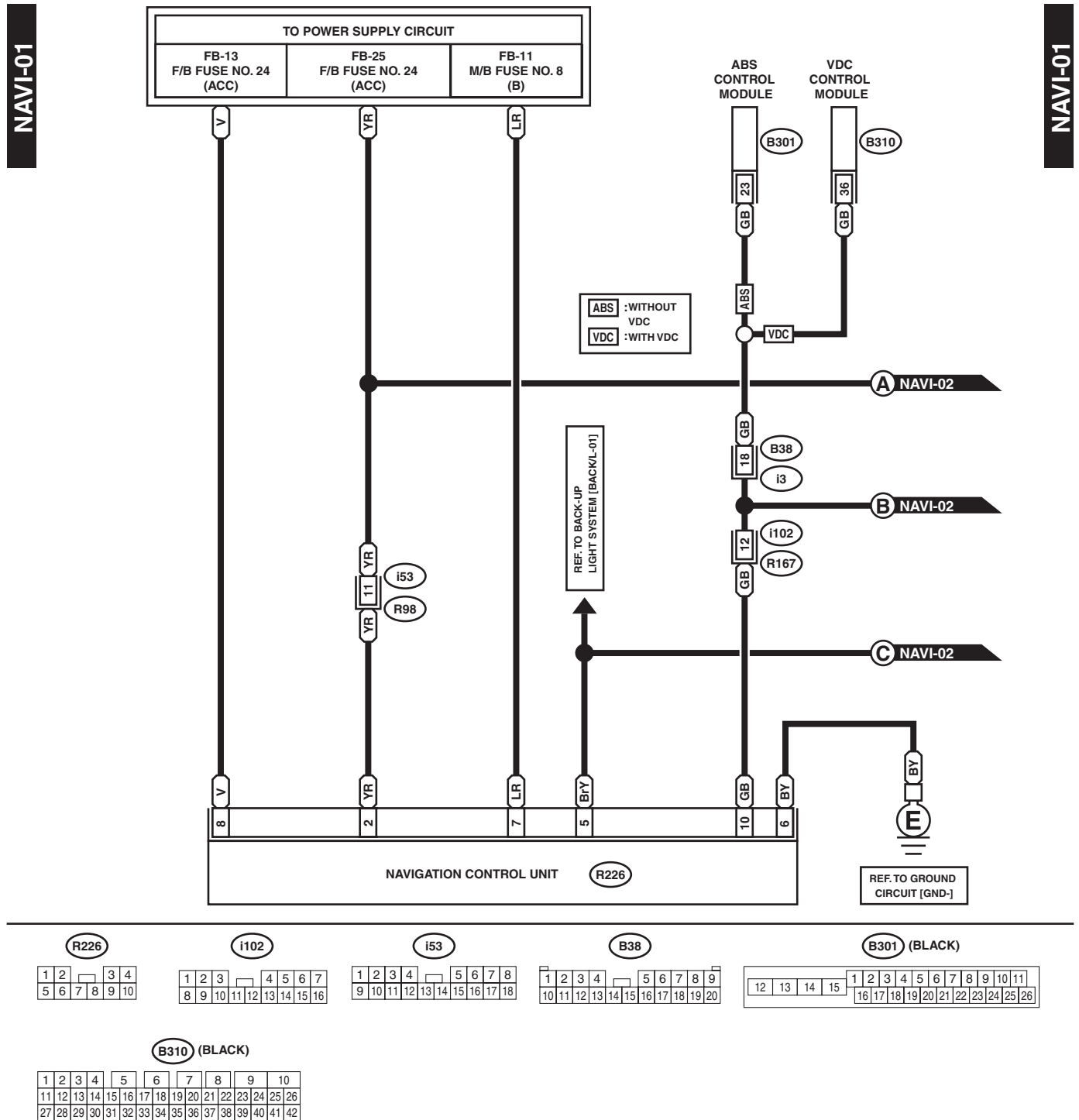


# Navigation System

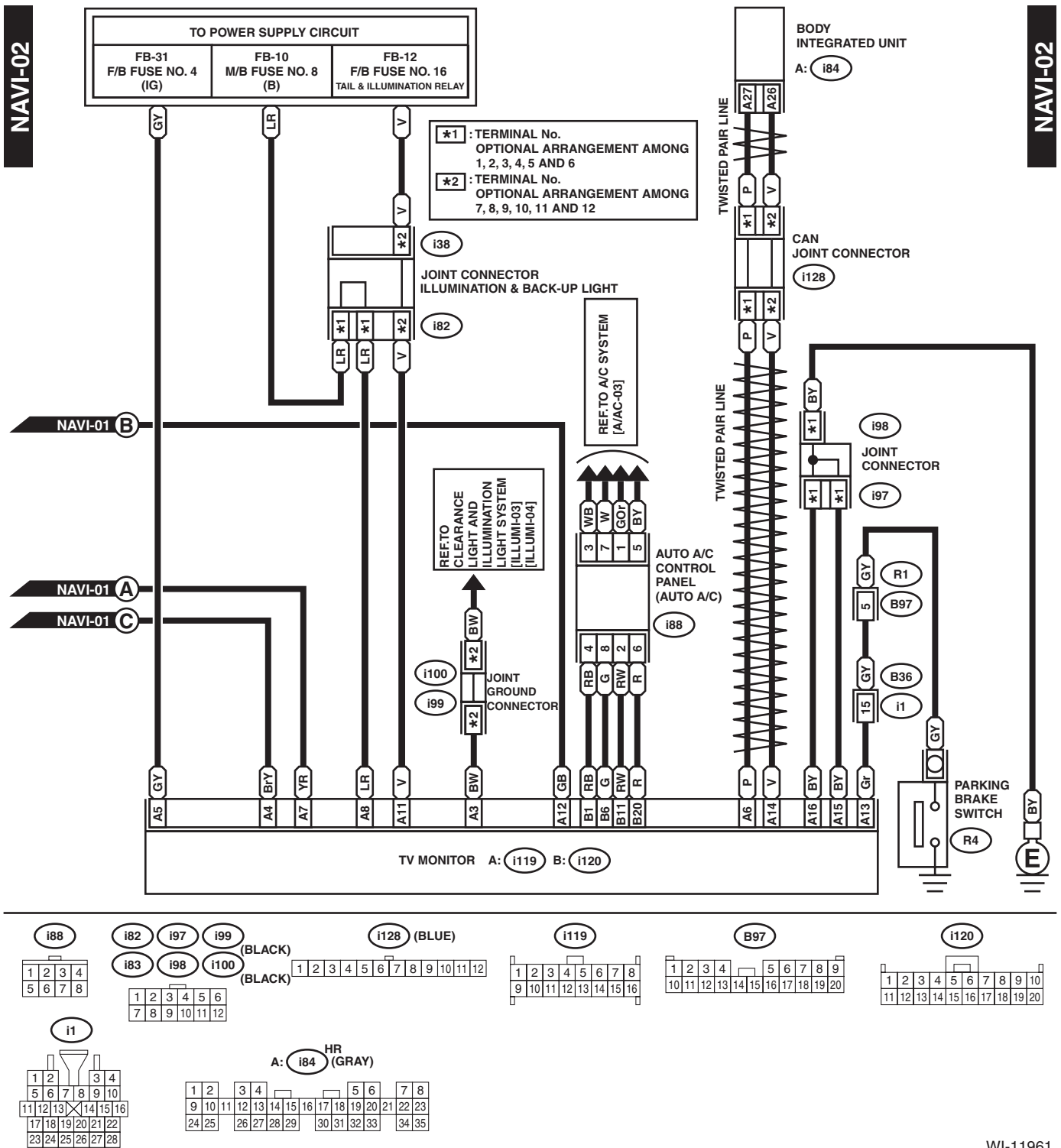
## WIRING SYSTEM

### 33.Navigation System

#### A: WIRING DIAGRAM

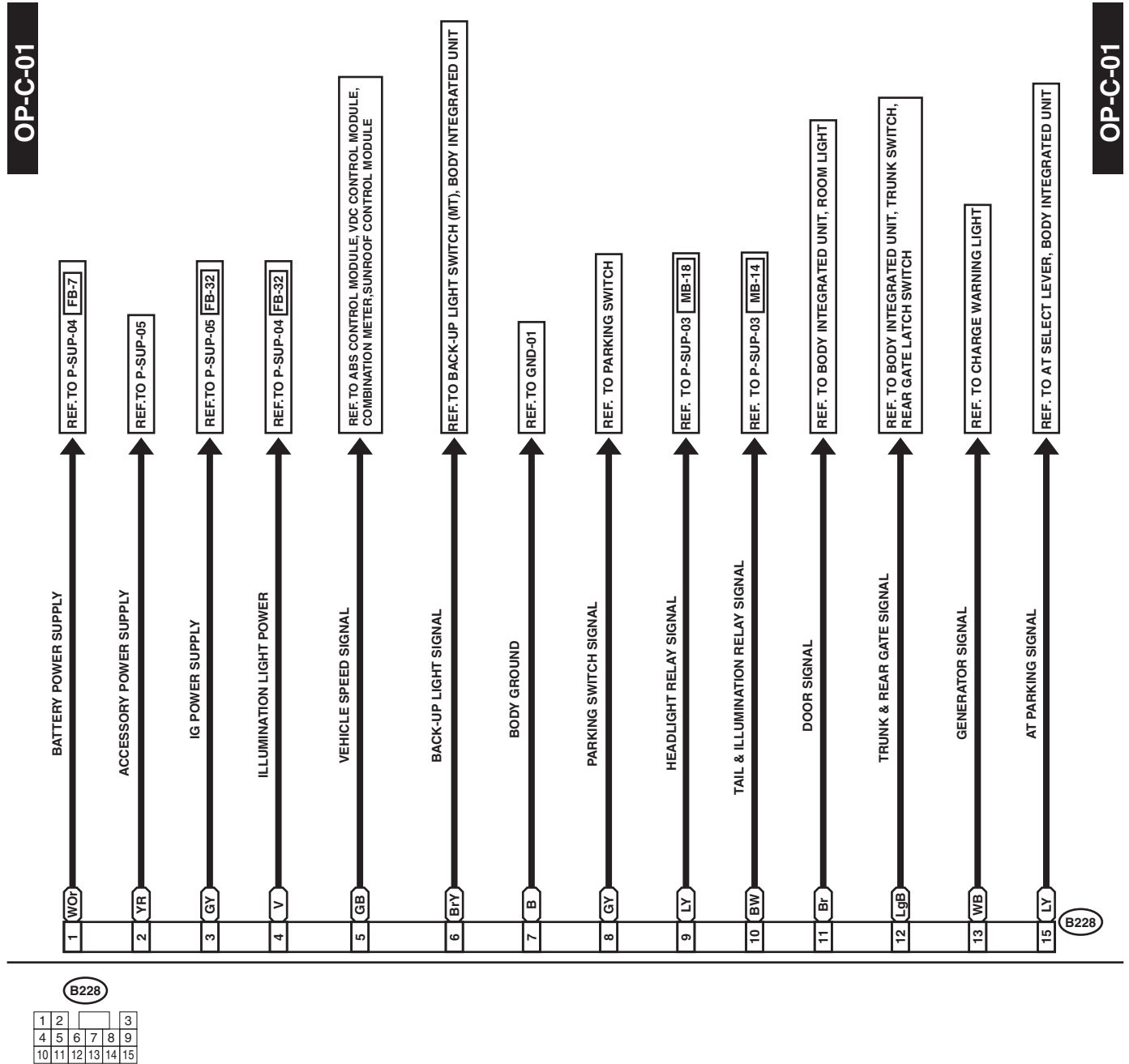


WI-09808



### 34.OP Connector System

#### A: WIRING DIAGRAM



## A: WIRING DIAGRAM

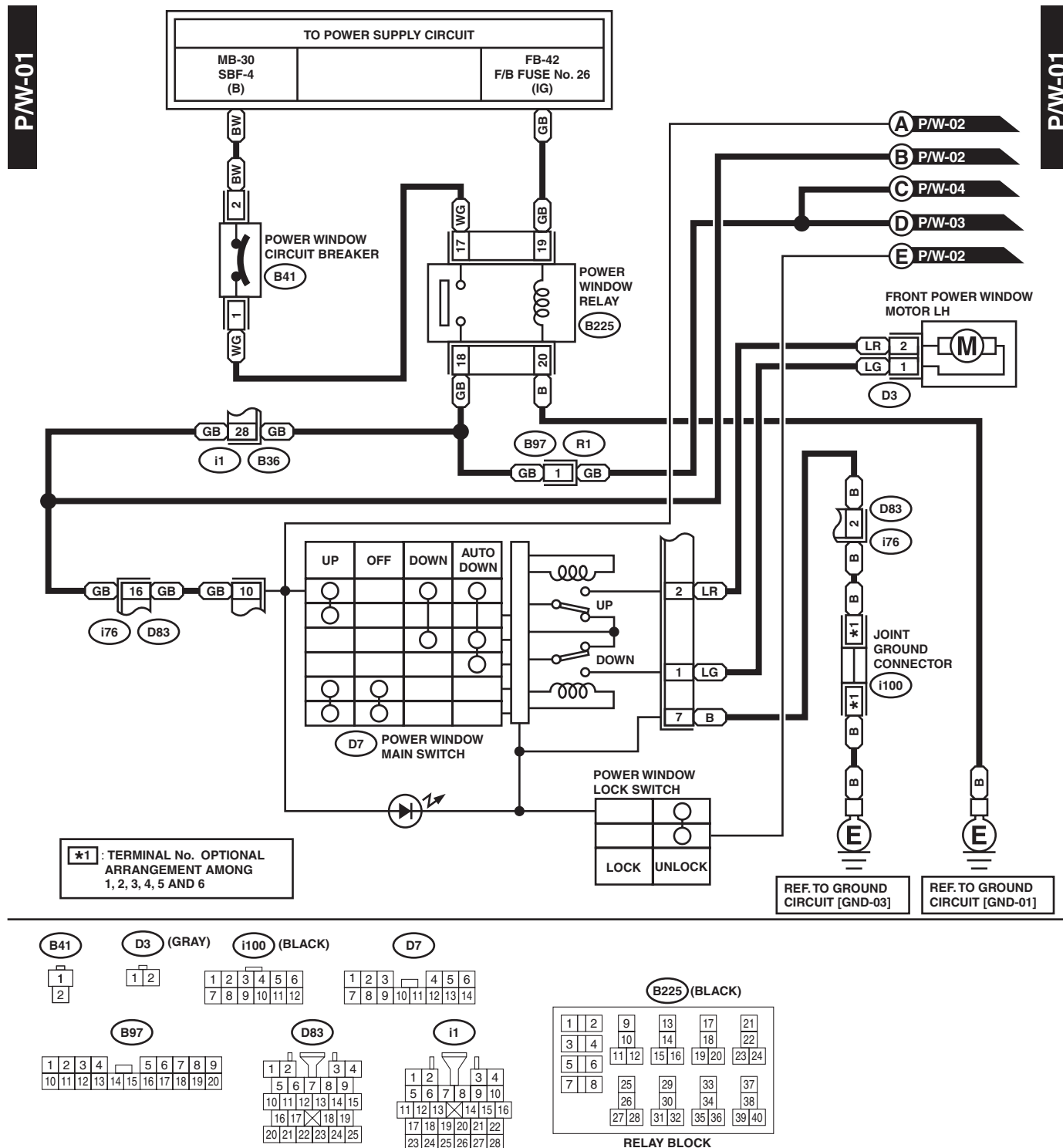


# Power Window System

## WIRING SYSTEM

### 36. Power Window System

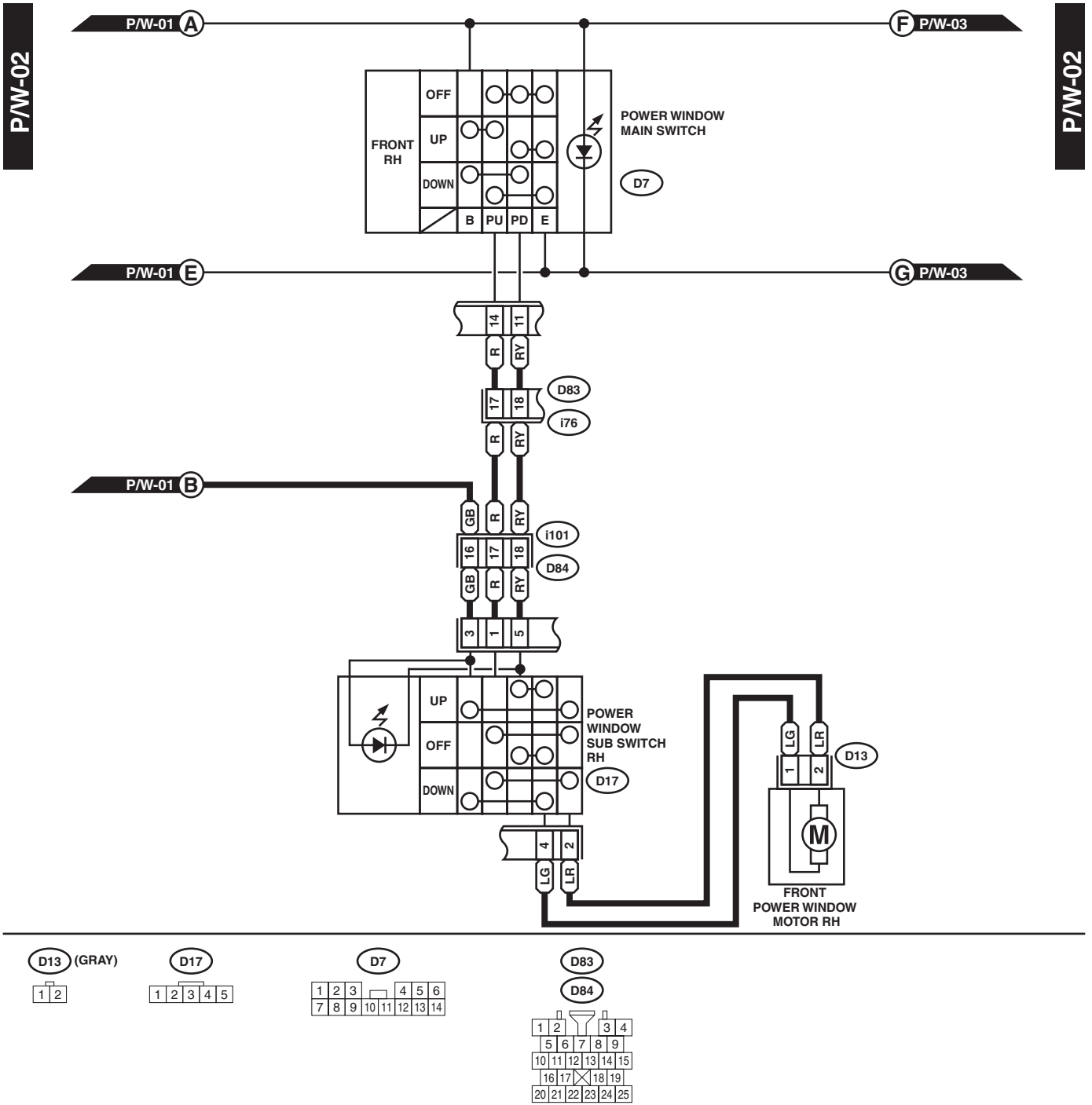
#### A: WIRING DIAGRAM



WI-09812

# Power Window System

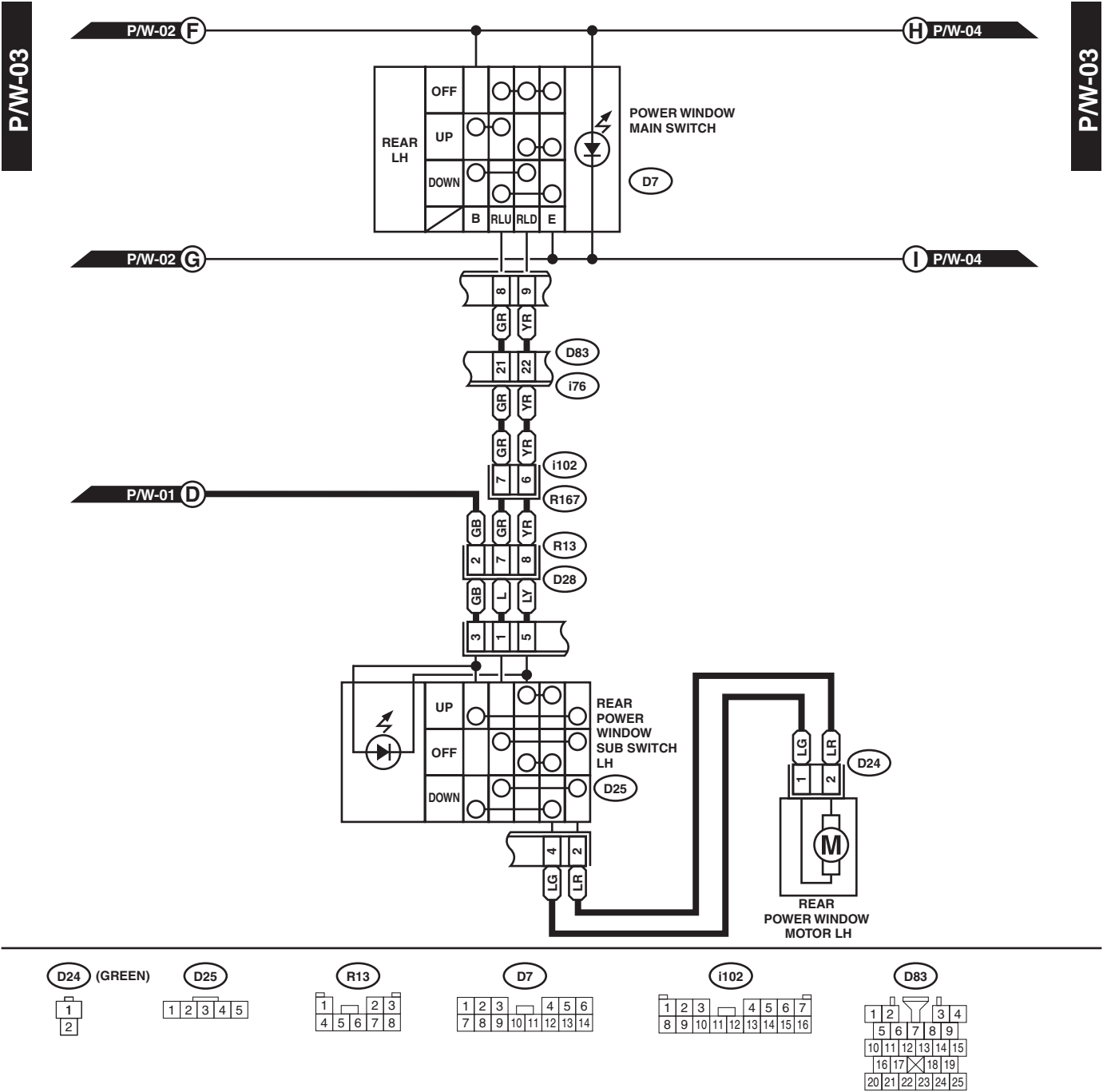
WIRING SYSTEM



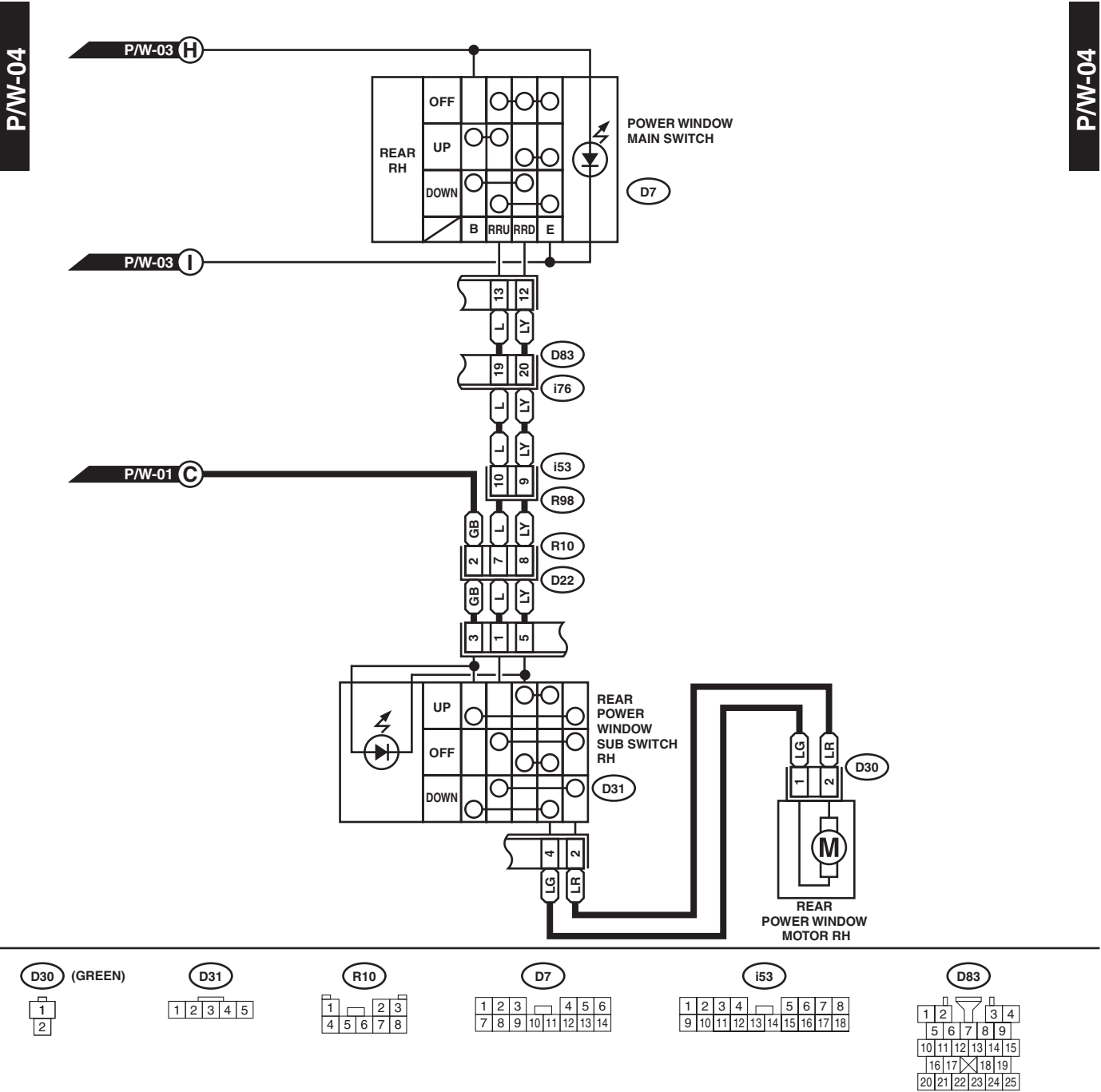
WI-09813

# Power Window System

## WIRING SYSTEM



WI-09814

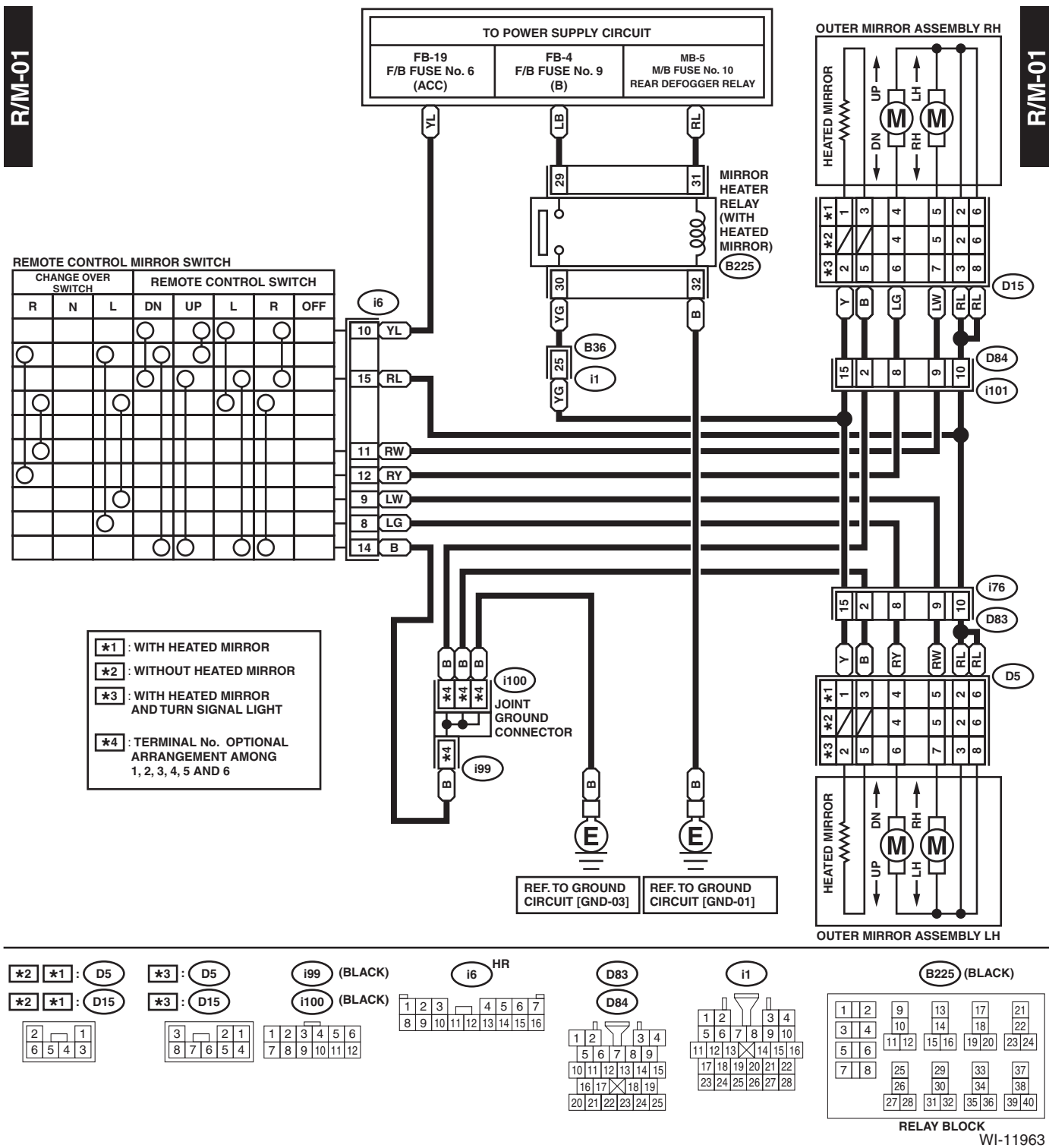


# Remote Control Mirror System

WIRING SYSTEM

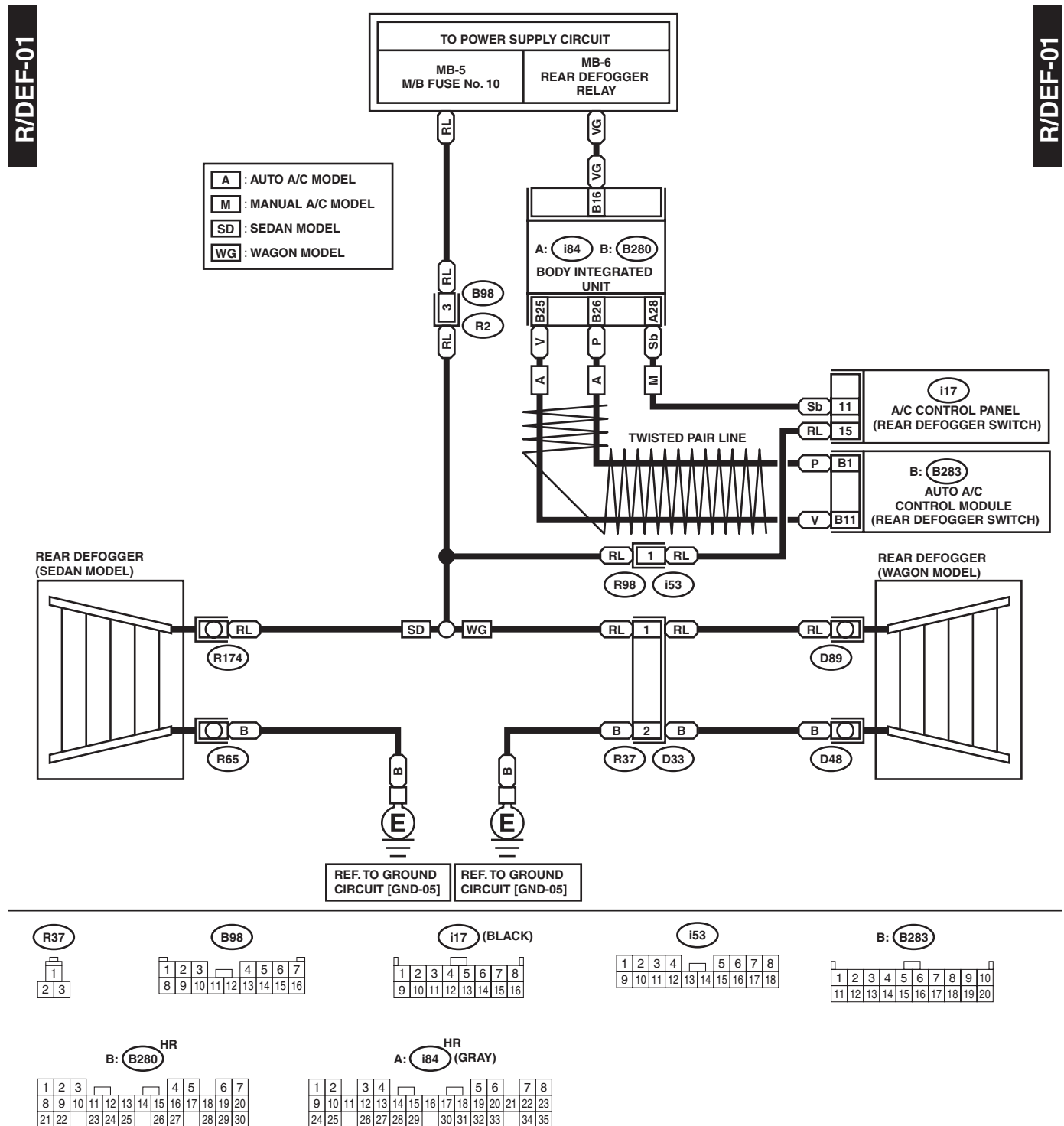
## 37.Remote Control Mirror System

### A: WIRING DIAGRAM



## 38.Rear Defogger System

### A: WIRING DIAGRAM



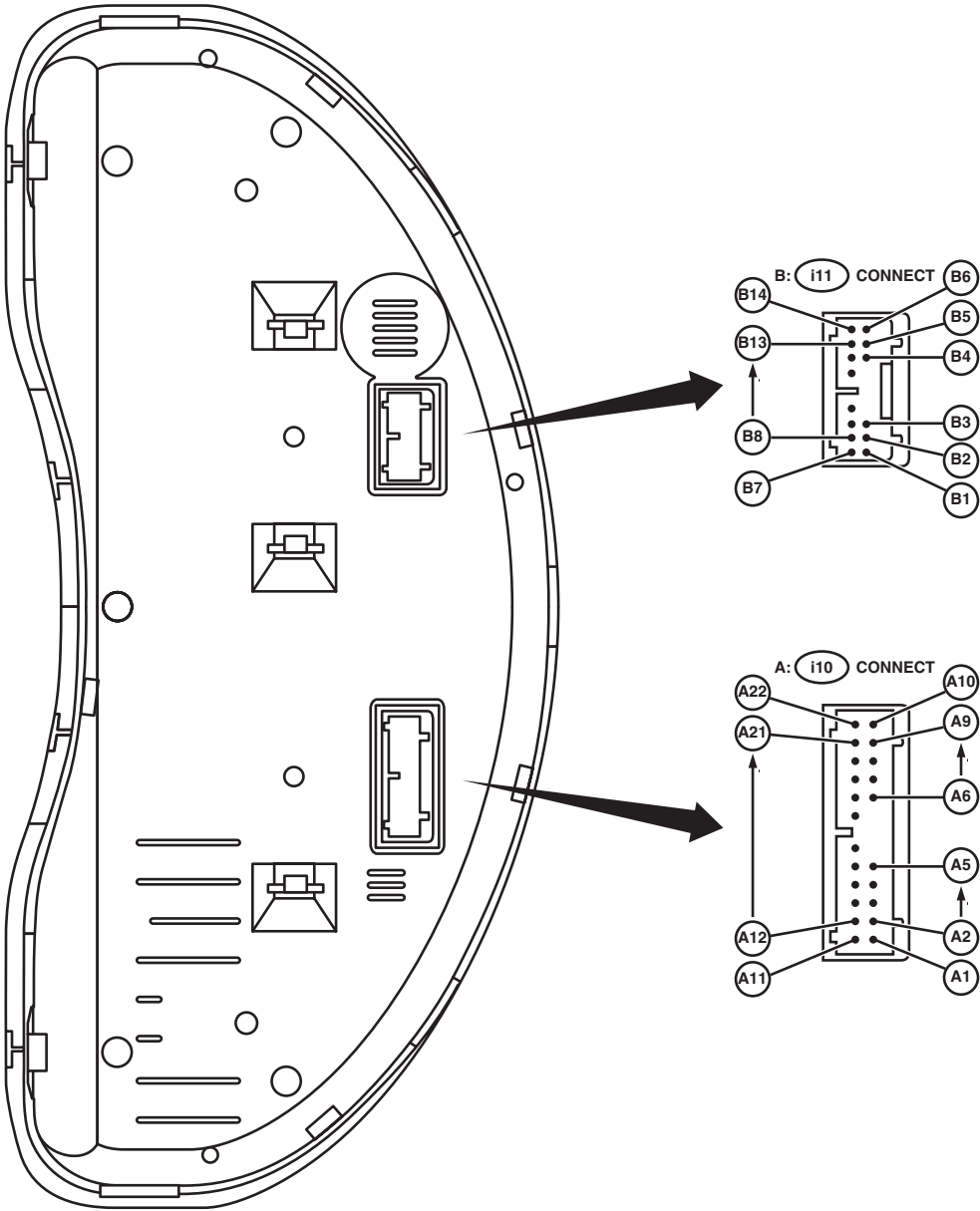
WI-11964

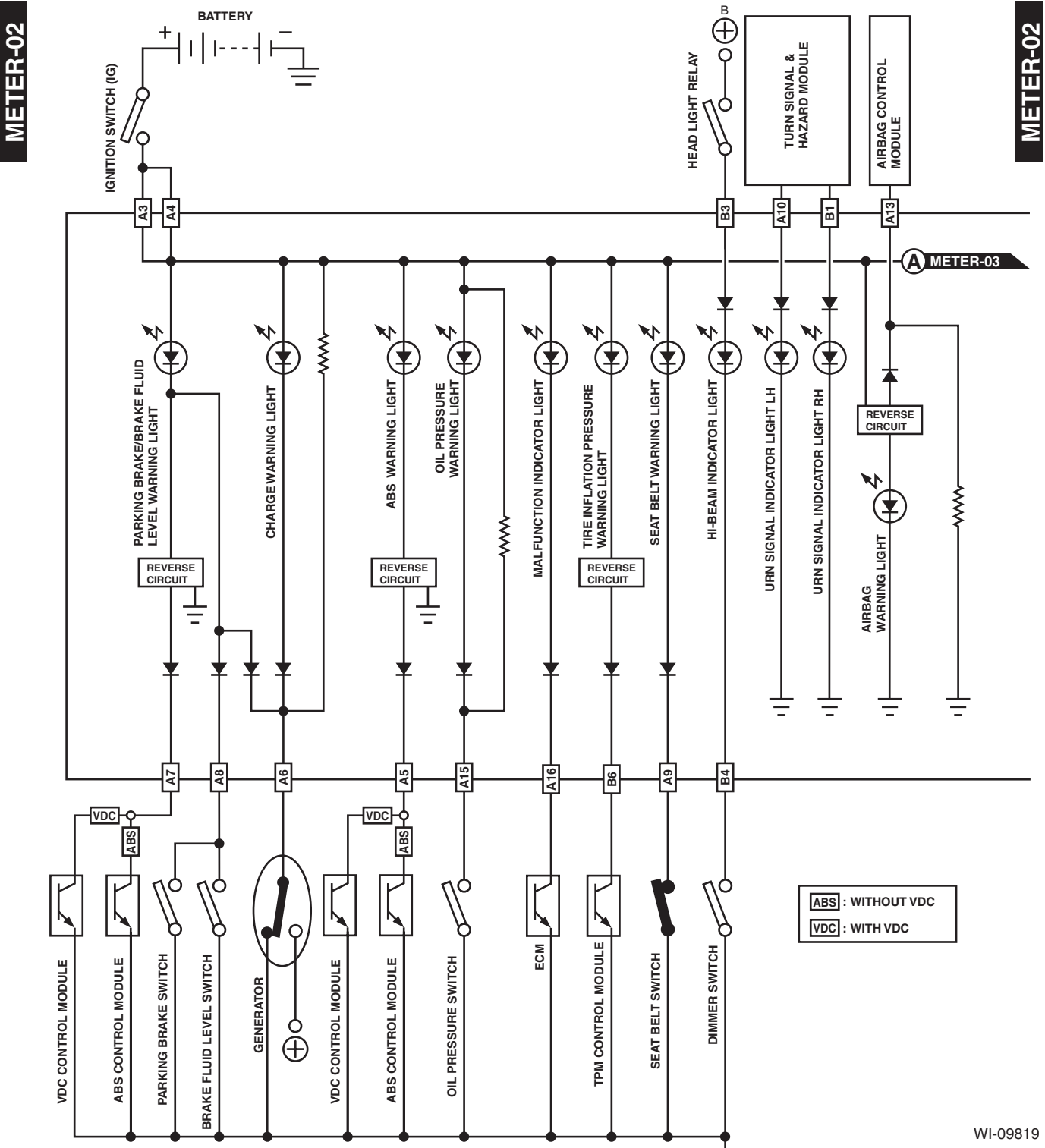
39.Combination Meter System

A: WIRING DIAGRAM

METER-01

METER-01

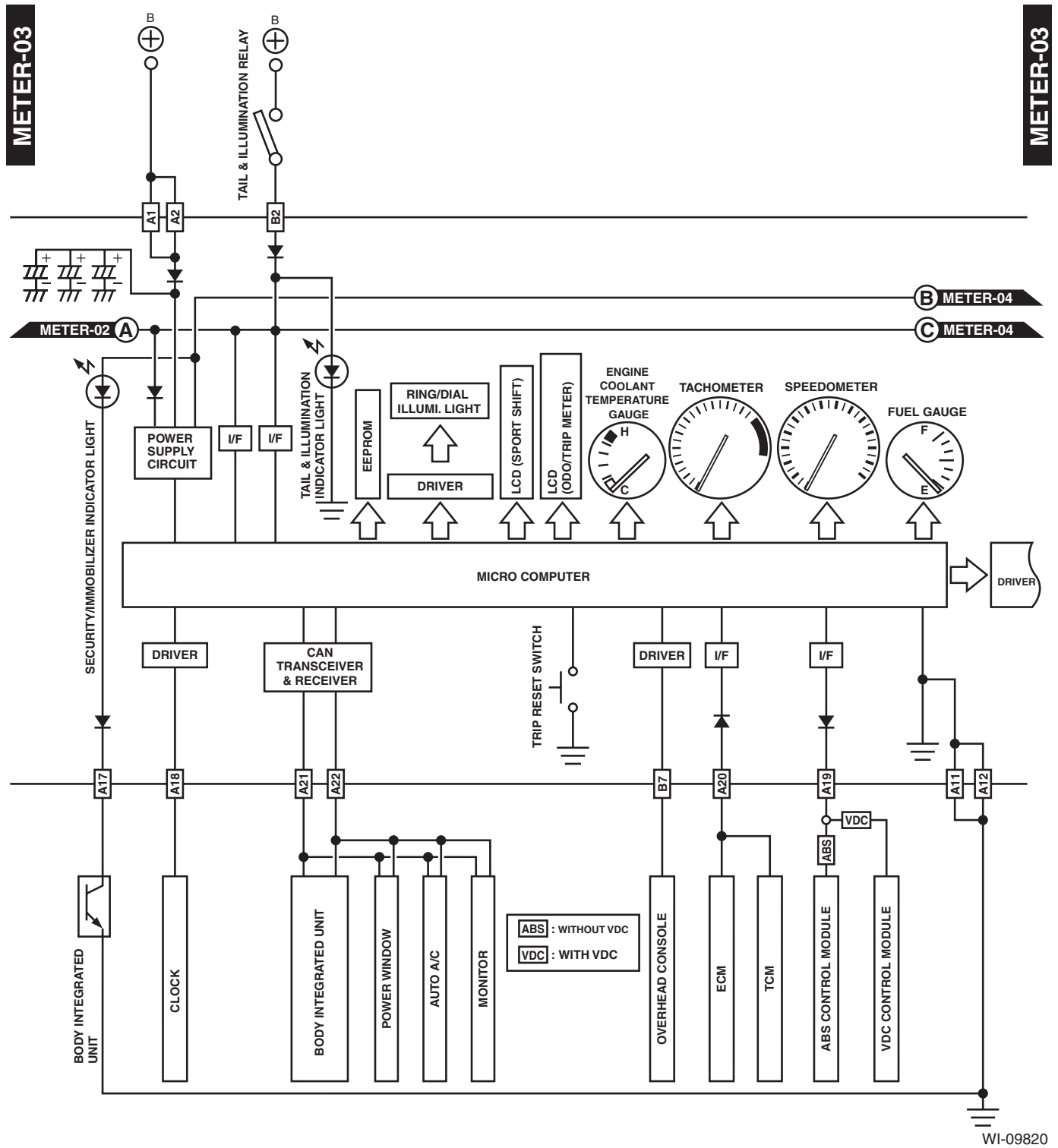




WI-09819

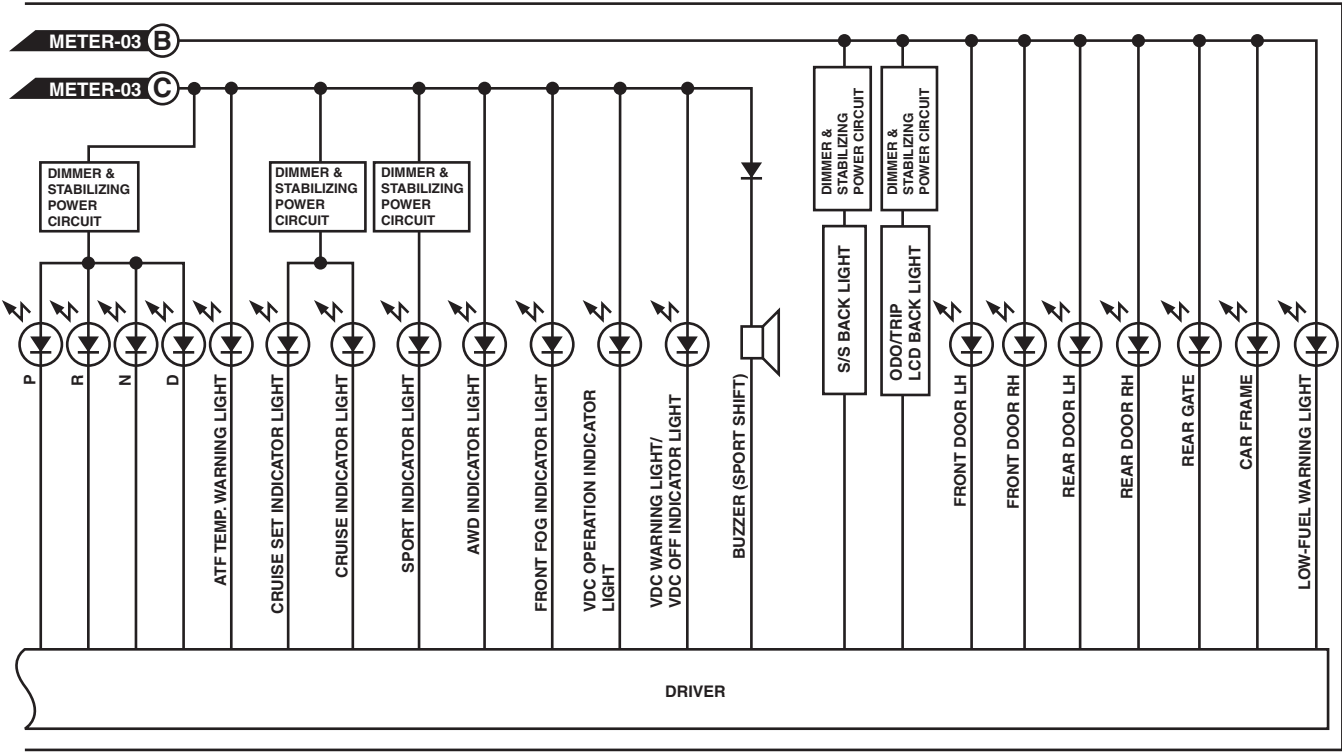
# Combination Meter System

## WIRING SYSTEM



METER-04

METER-04

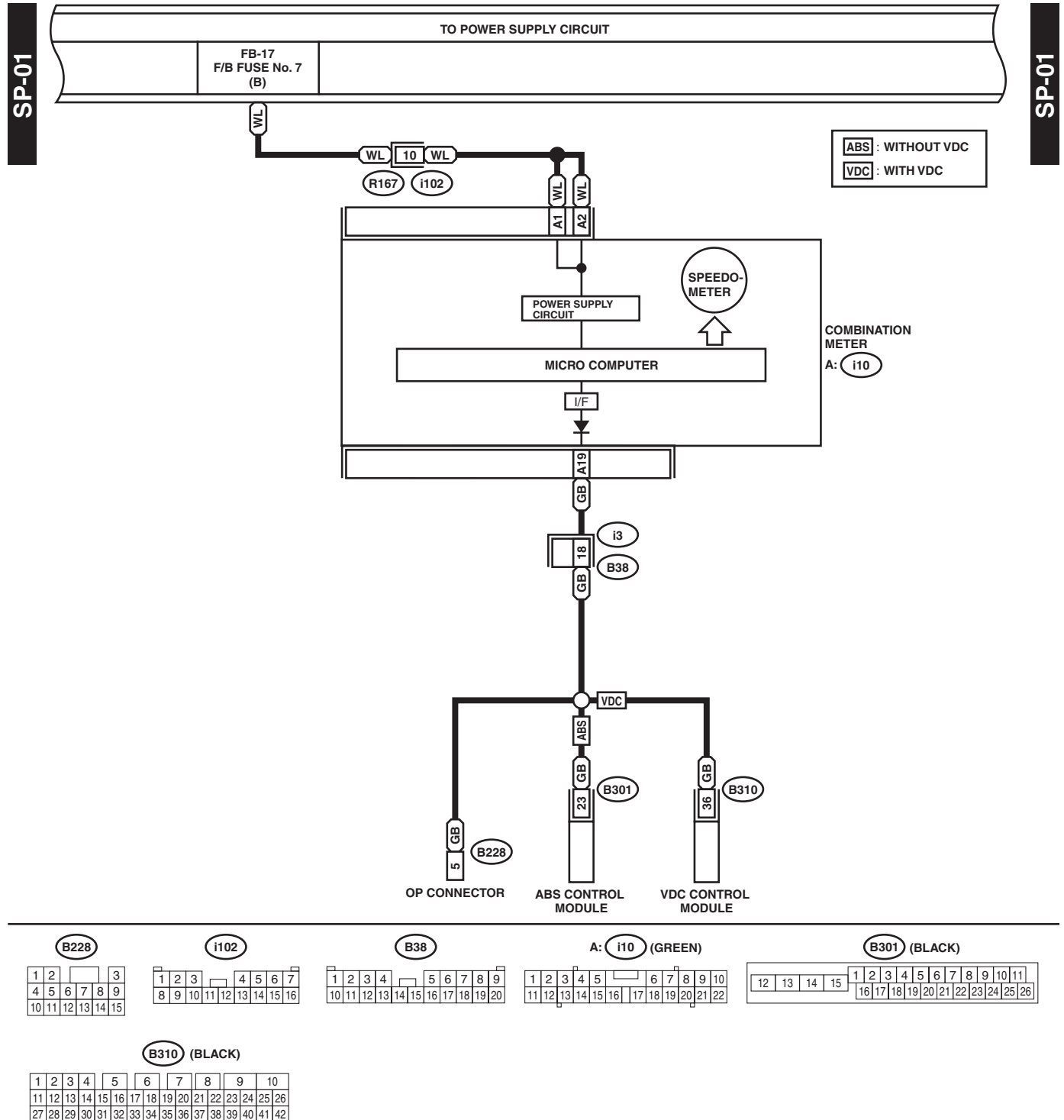


# Speedometer System

## WIRING SYSTEM

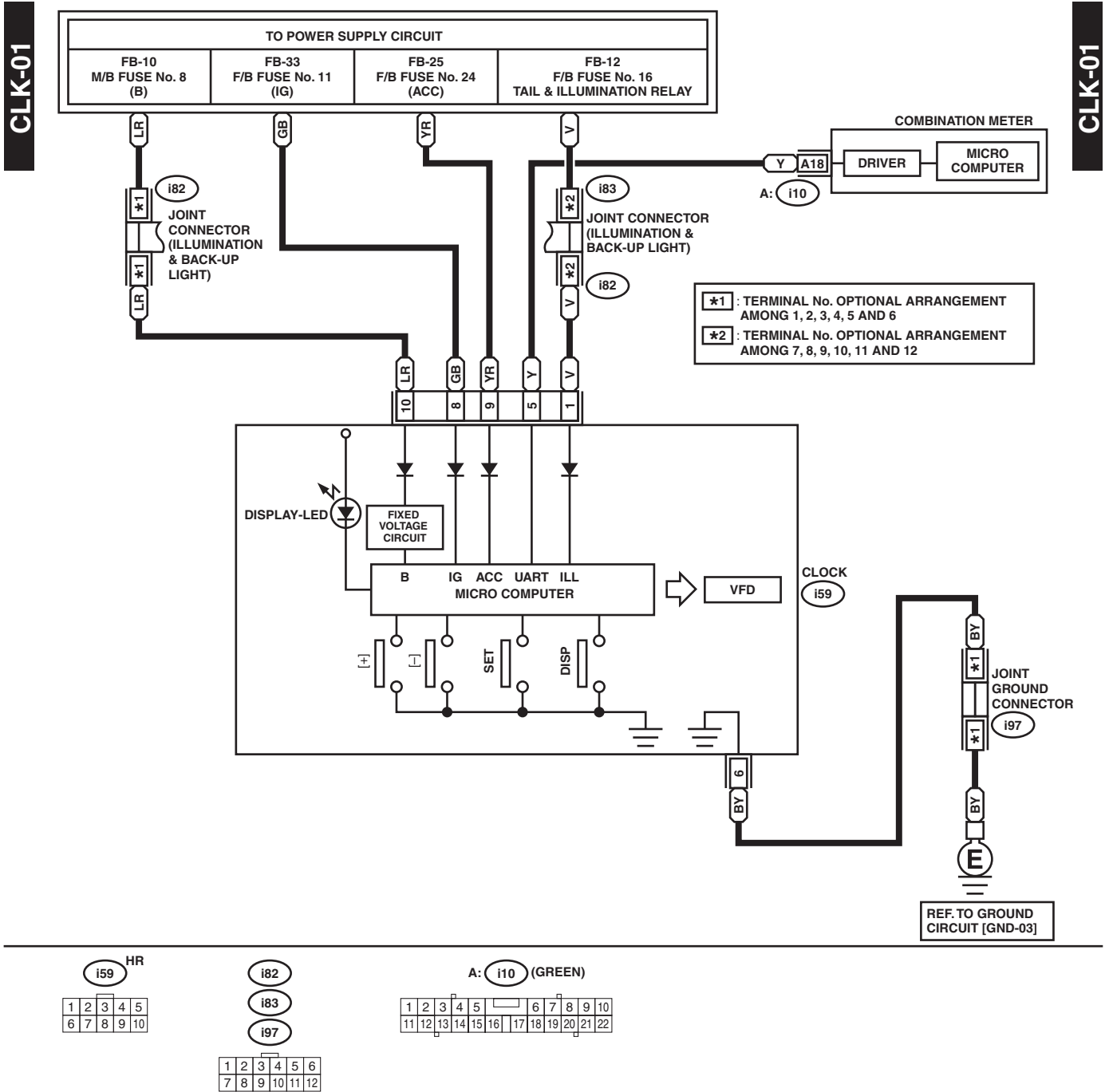
### 40.Speedmeter System

#### A: WIRING DIAGRAM



WI-10202

41.Clock System  
A: WIRING DIAGRAM

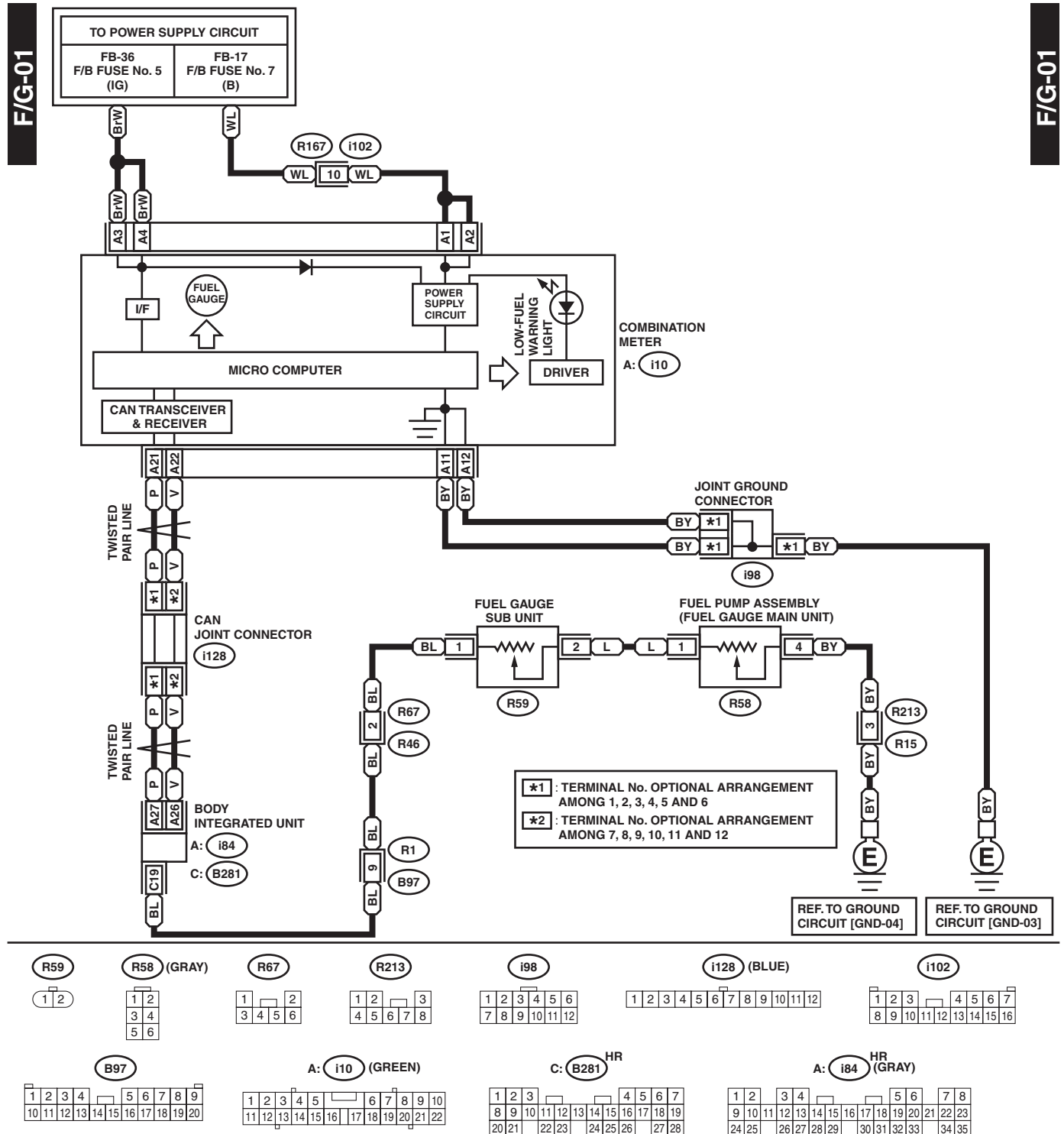


# Fuel Gauge System

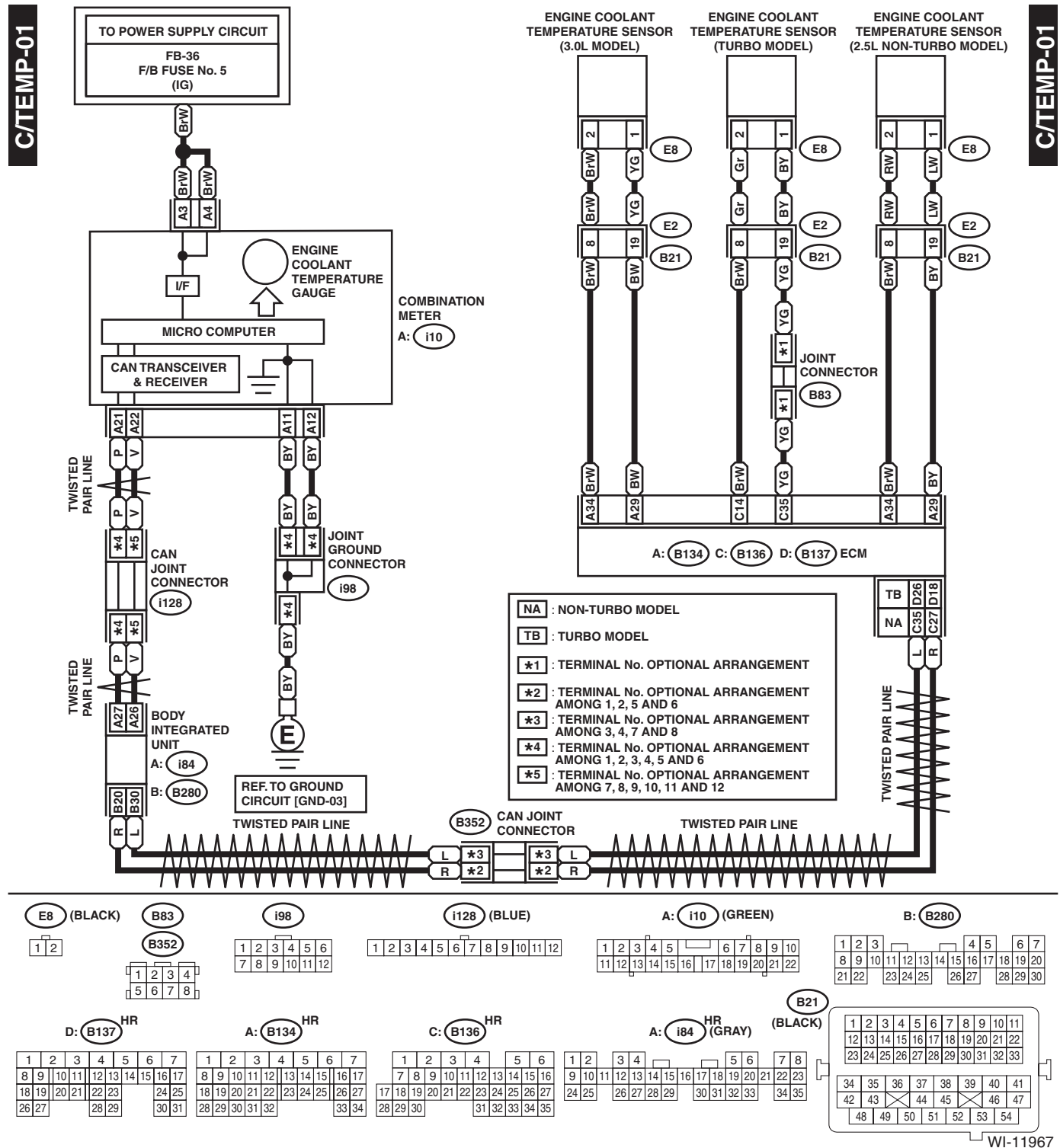
## WIRING SYSTEM

### 42. Fuel Gauge System

#### A: WIRING DIAGRAM



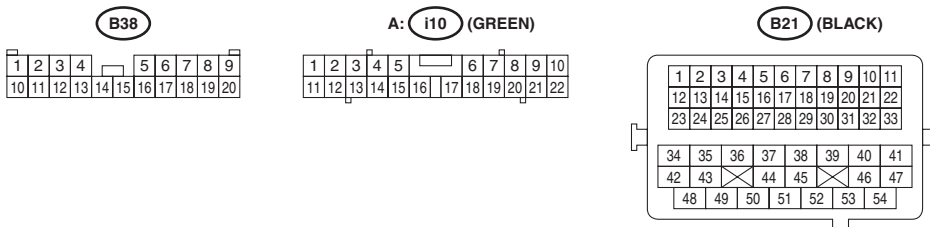
## A: WIRING DIAGRAM



## WIRING SYSTEM

## A: WIRING DIAGRAM

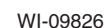
**OIL/P-01**

**WI-158**

## A: WIRING DIAGRAM

BR/W-01

BR/W-01



## A: WIRING DIAGRAM

## 1. SEDAN MODEL



## WIRING SYSTEM

**S/R(WG)-01**

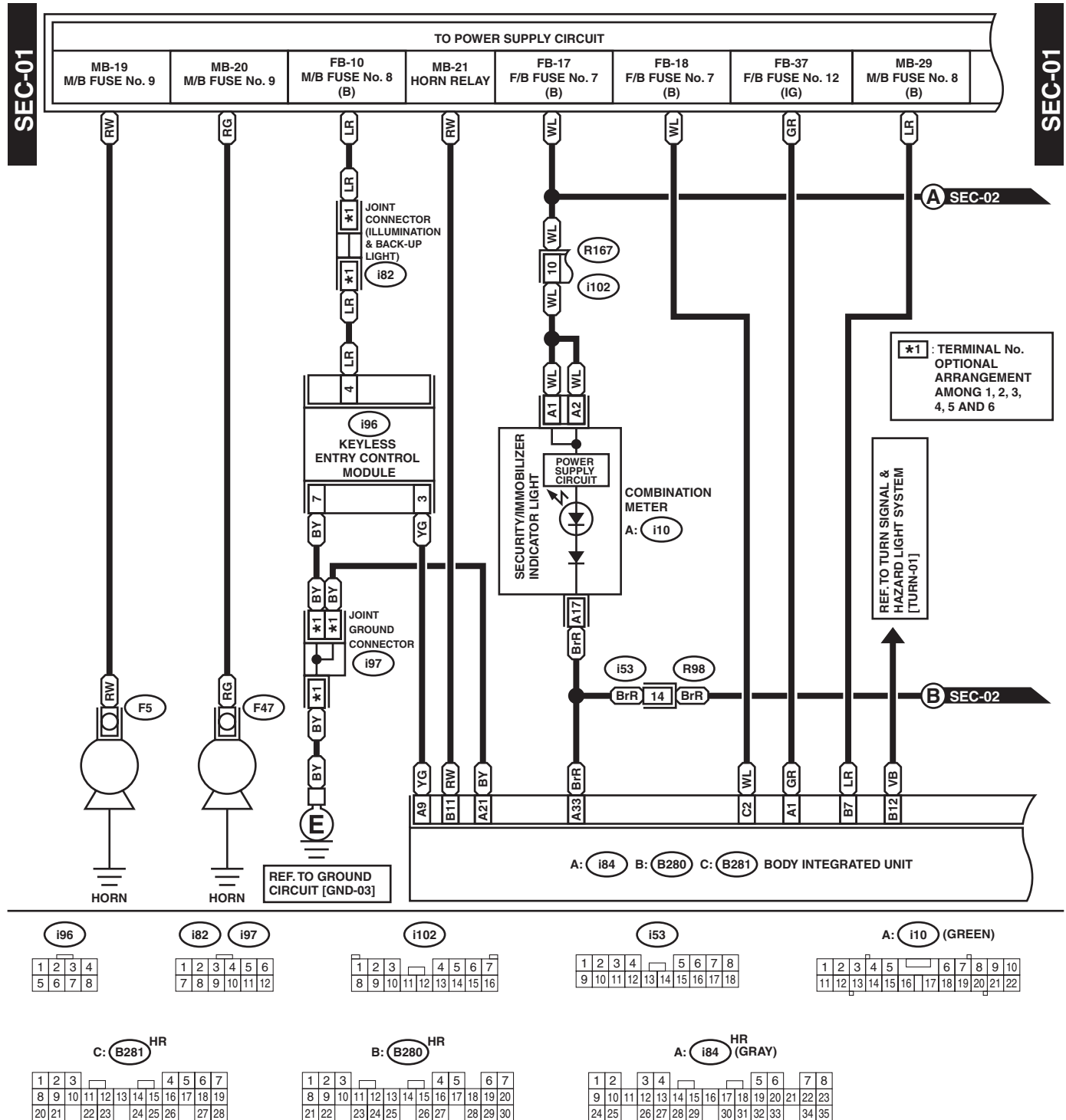


# Security System

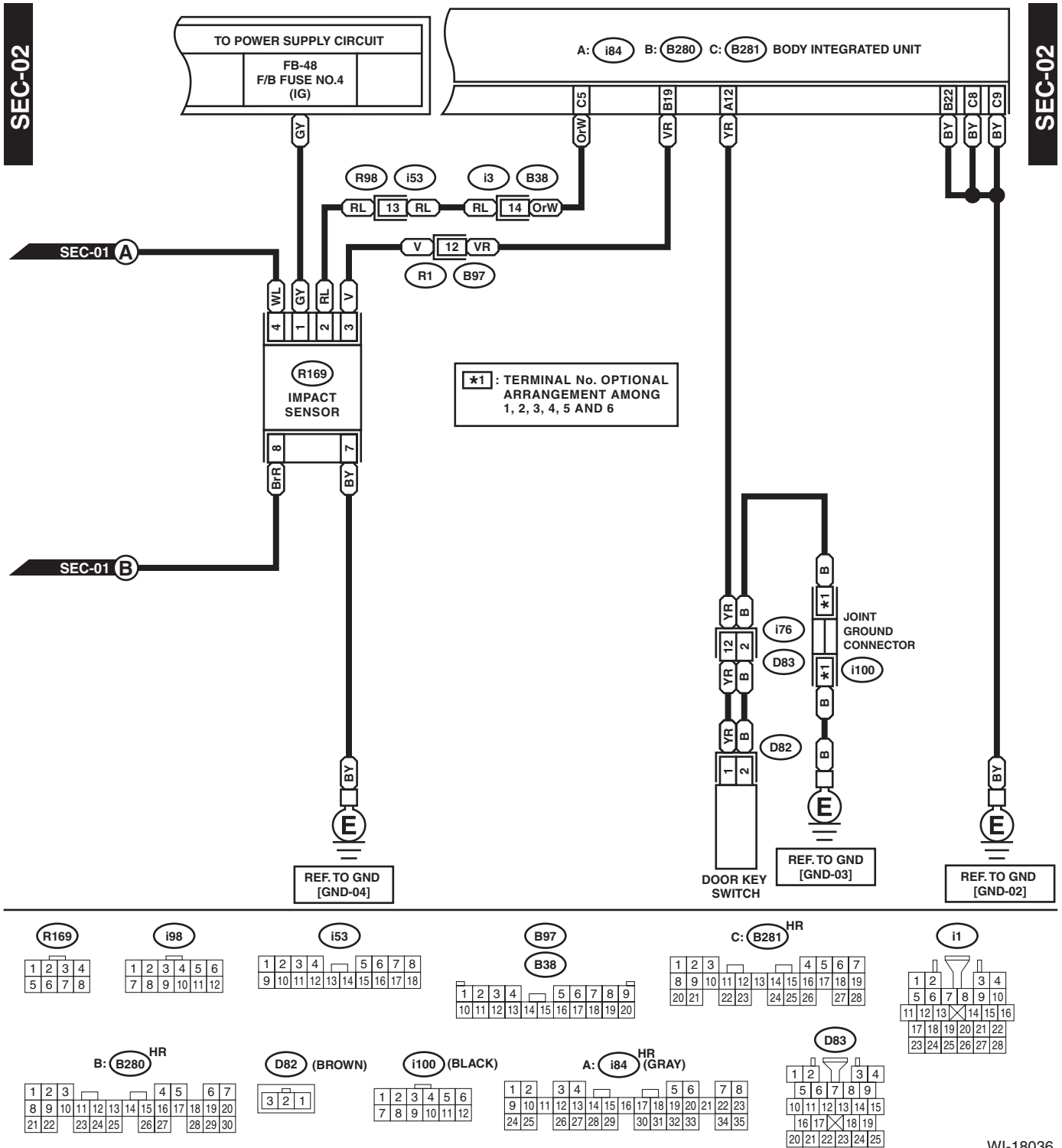
## WIRING SYSTEM

### 47.Security System

#### A: WIRING DIAGRAM

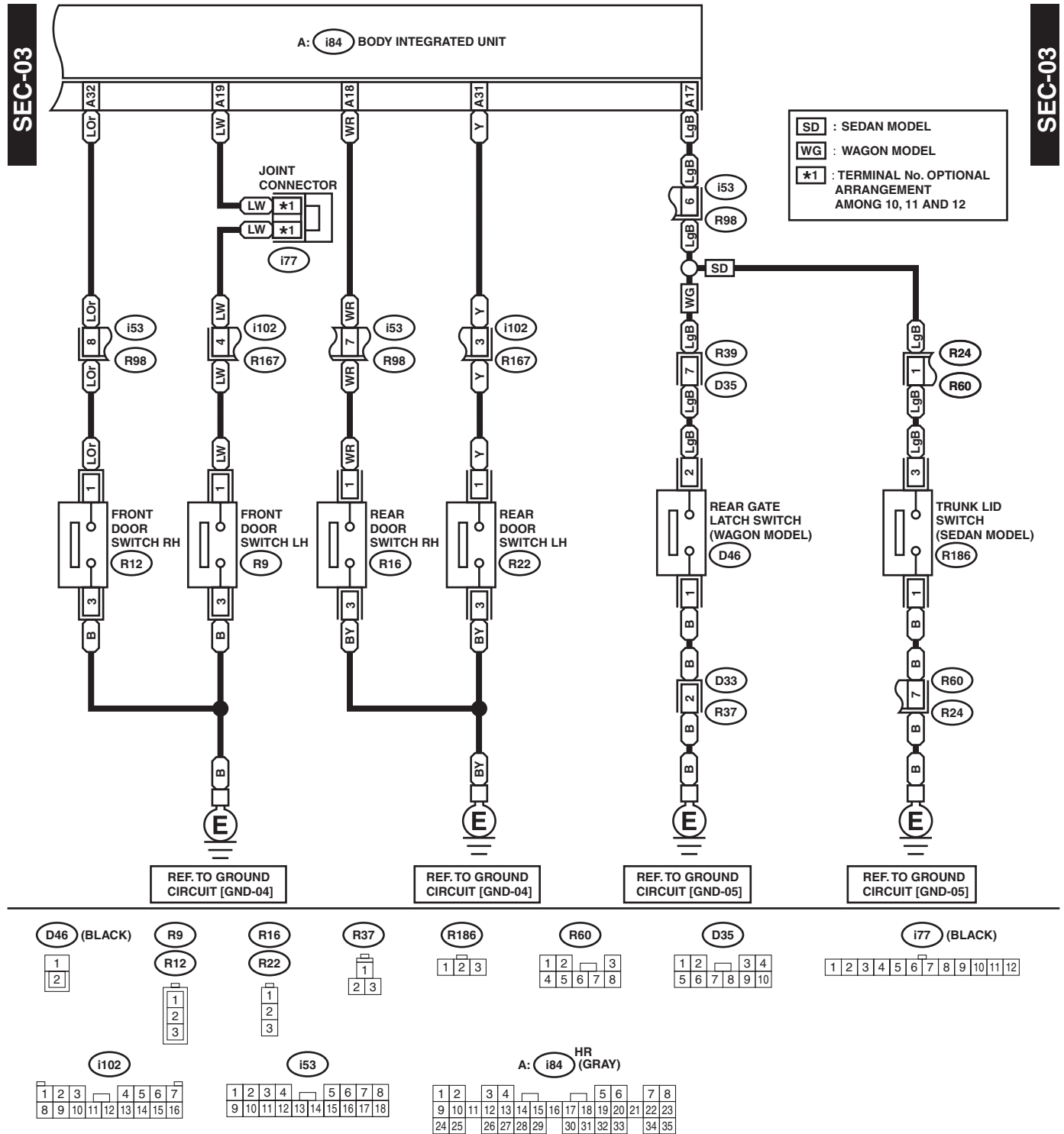


WI-11968



# Security System

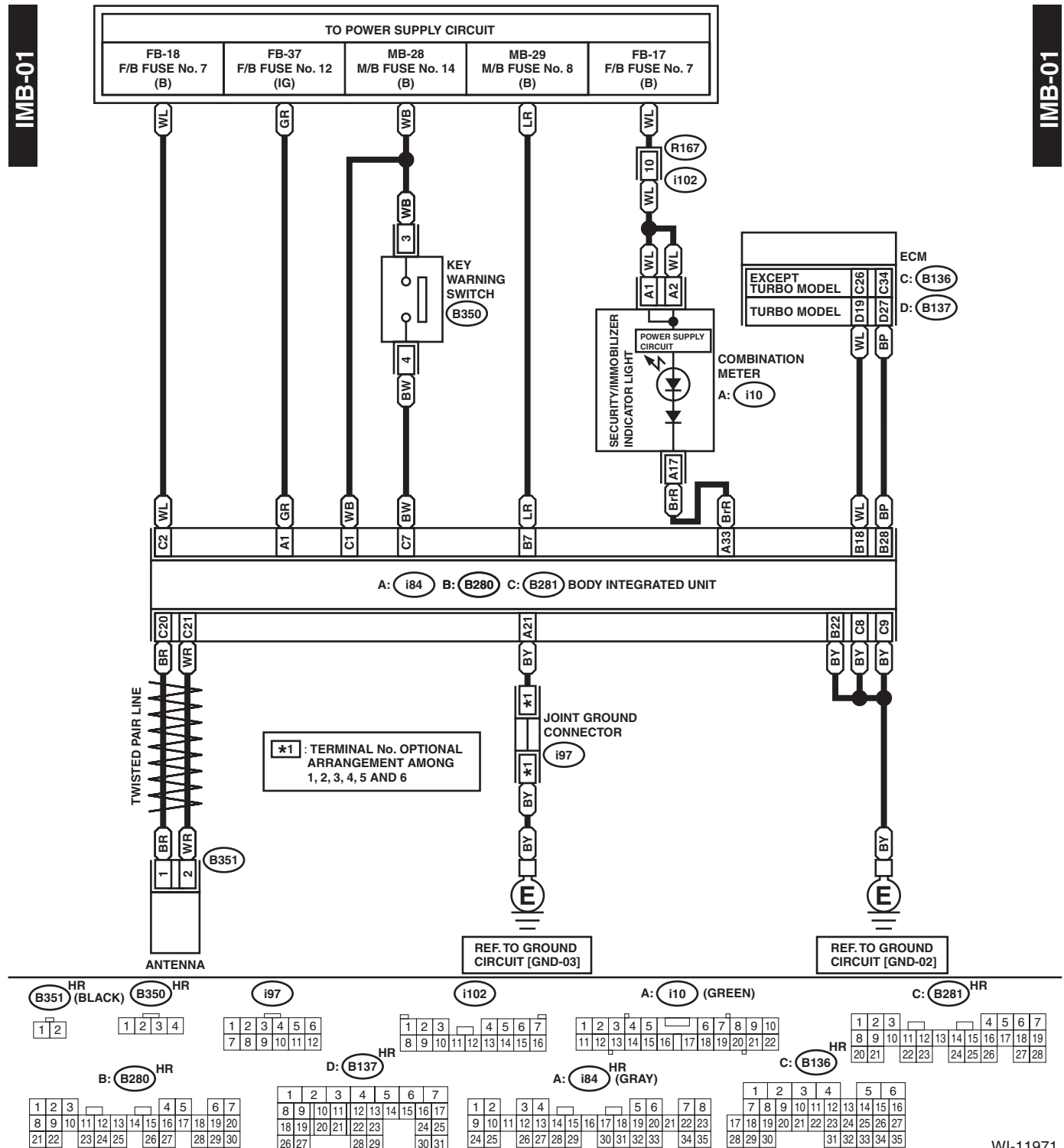
## WIRING SYSTEM



WI-11970

## 48. Immobilizer System

### A: WIRING DIAGRAM



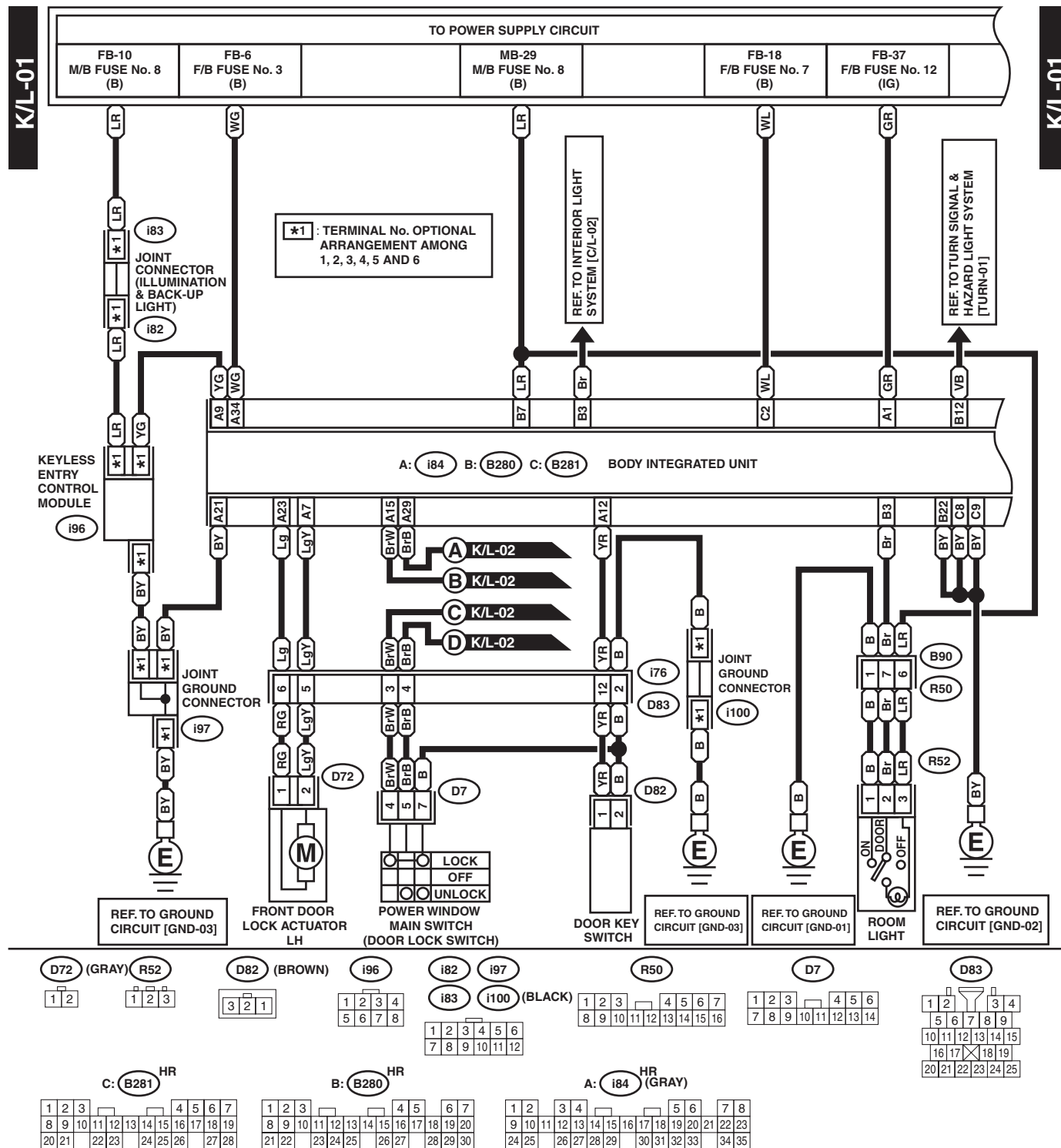
WI-11971

# Keyless Entry System

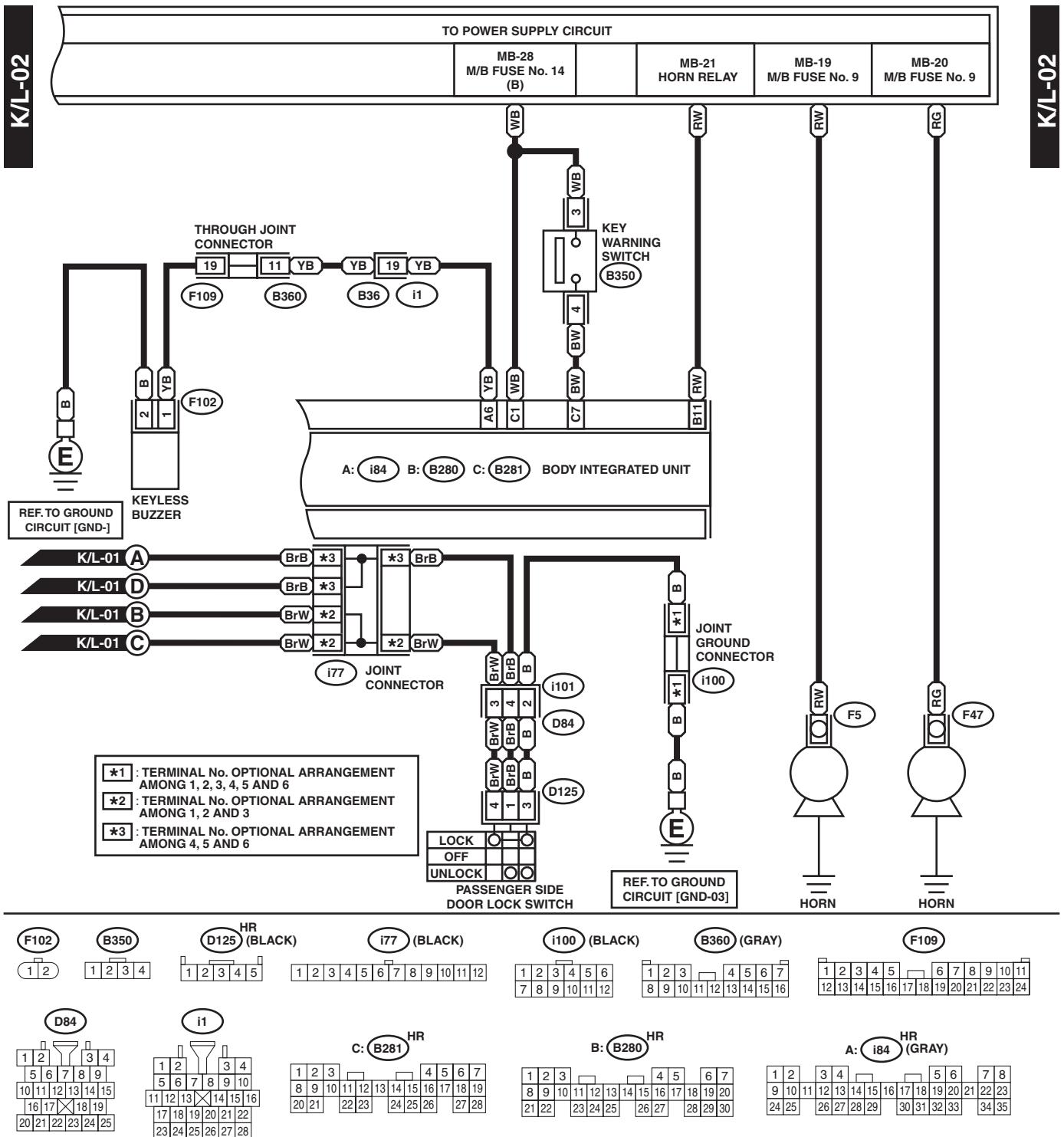
## WIRING SYSTEM

### 49. Keyless Entry System

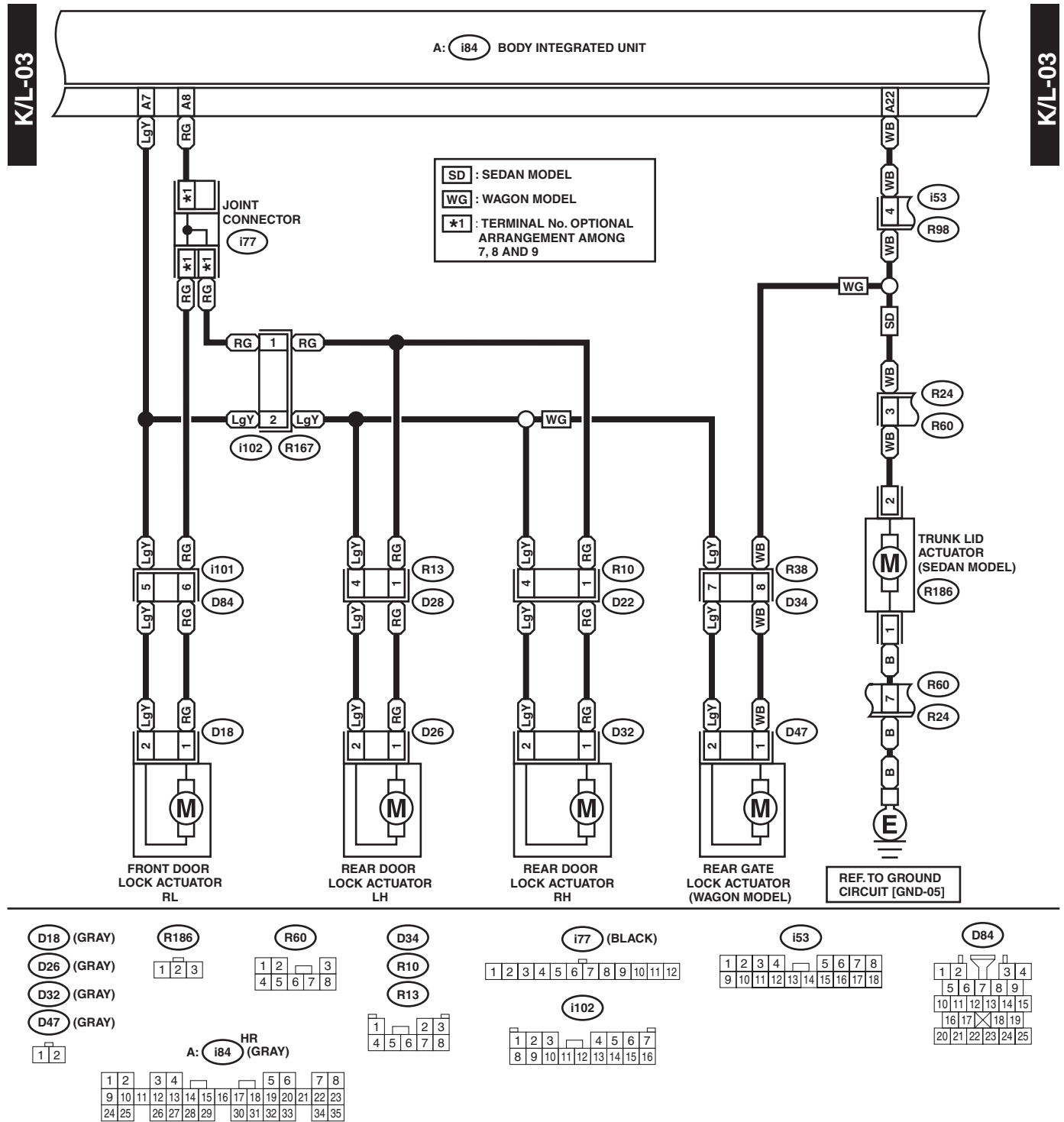
#### A: WIRING DIAGRAM



WI-11972

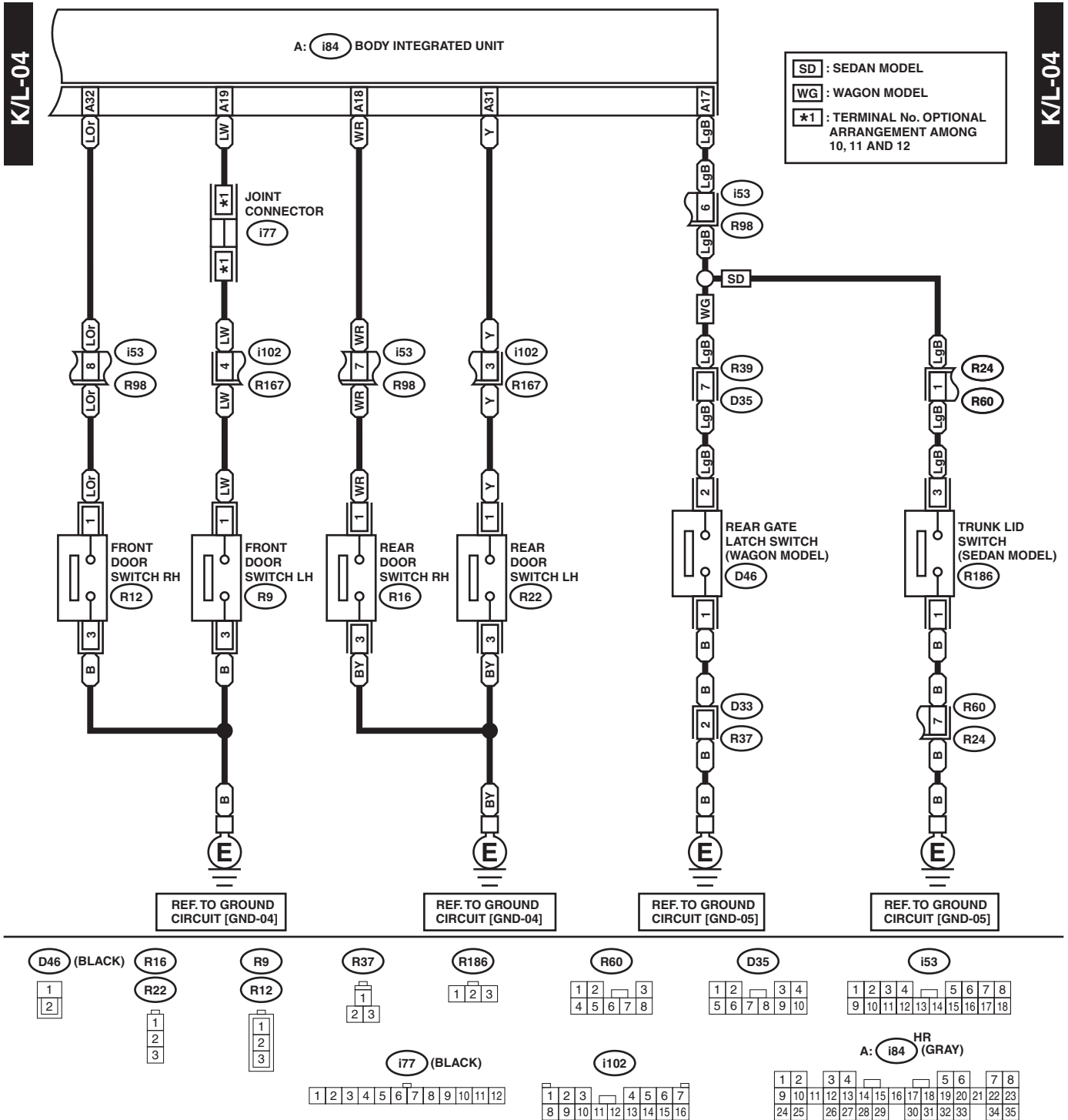


## WIRING SYSTEM



# Keyless Entry System

WIRING SYSTEM



WI-11975

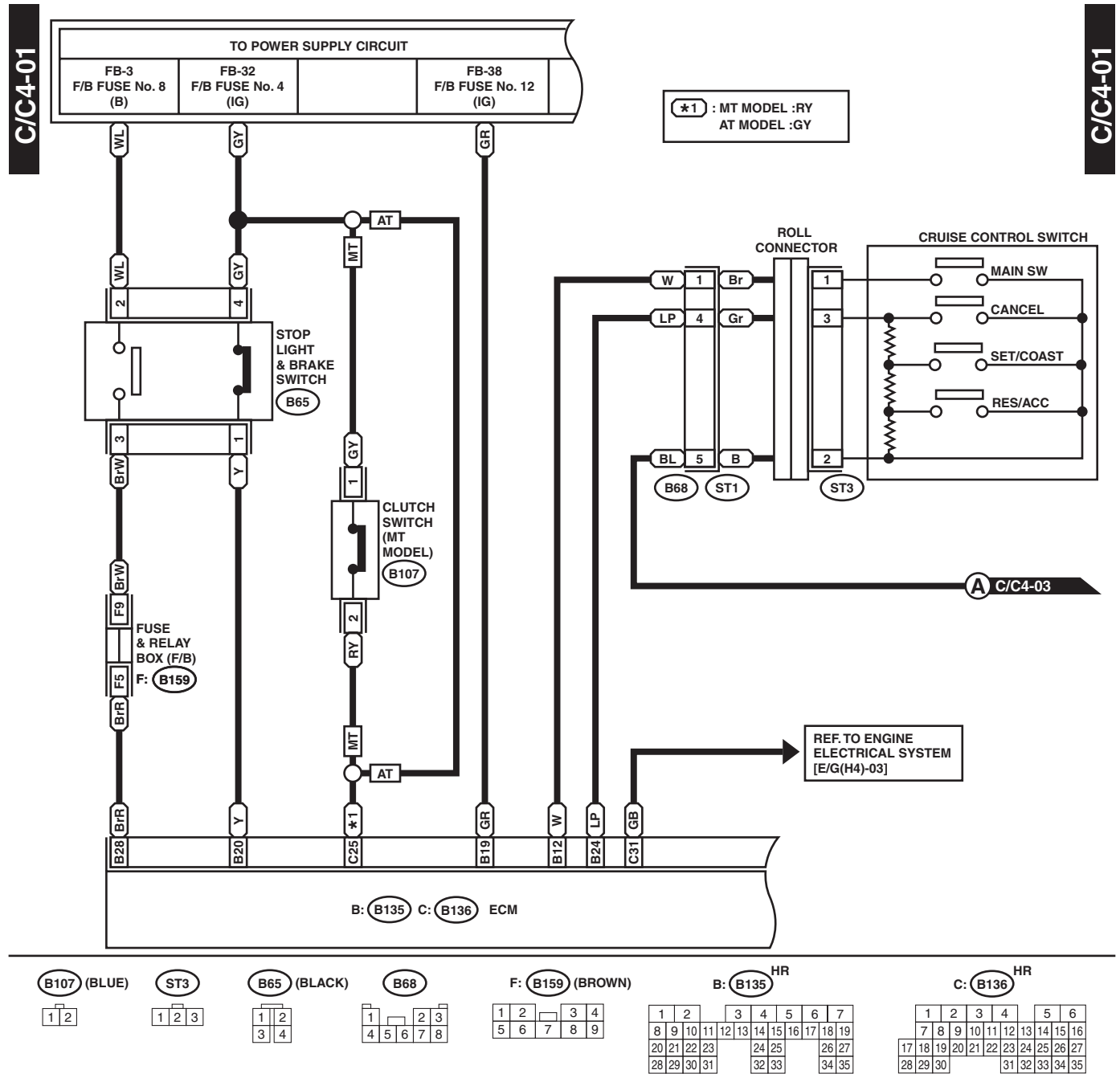
# Cruise Control System

## WIRING SYSTEM

### 50.Cruise Control System

#### A: WIRING DIAGRAM

##### 1. 2.5 L NON-TURBO MODEL



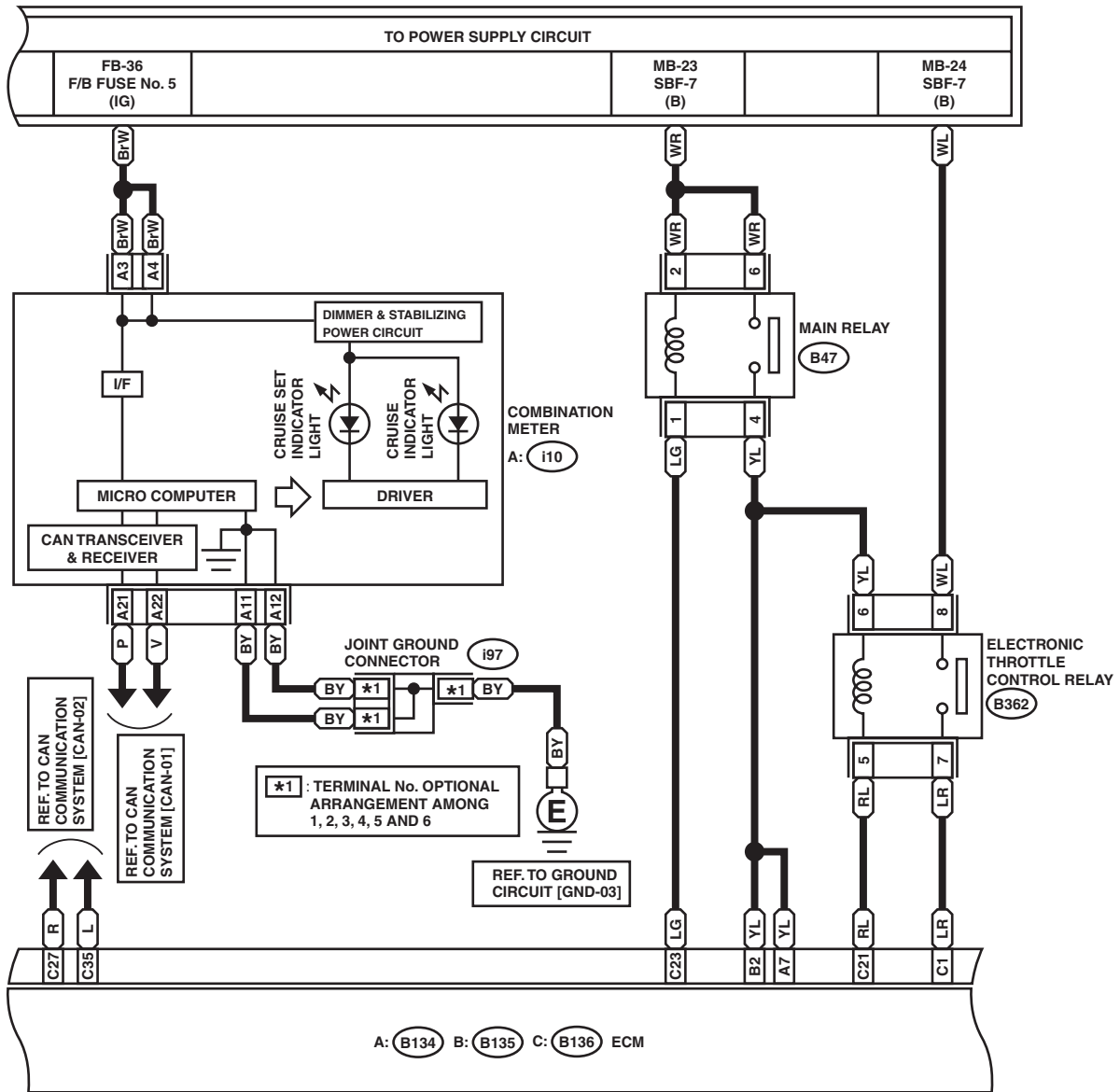
WI-11976

# Cruise Control System

WIRING SYSTEM

C/C4-02

C/C4-02



B47 (BROWN)

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

B362 (BLACK)

|   |   |   |
|---|---|---|
| 1 | 2 | 3 |
| 4 | 5 | 6 |
| 7 | 8 | 9 |

i97

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

A: i10 (GREEN)

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

A: B134<sup>HR</sup>

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

B: B135<sup>HR</sup>

|    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|
| 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 |

RELAY HOLDER

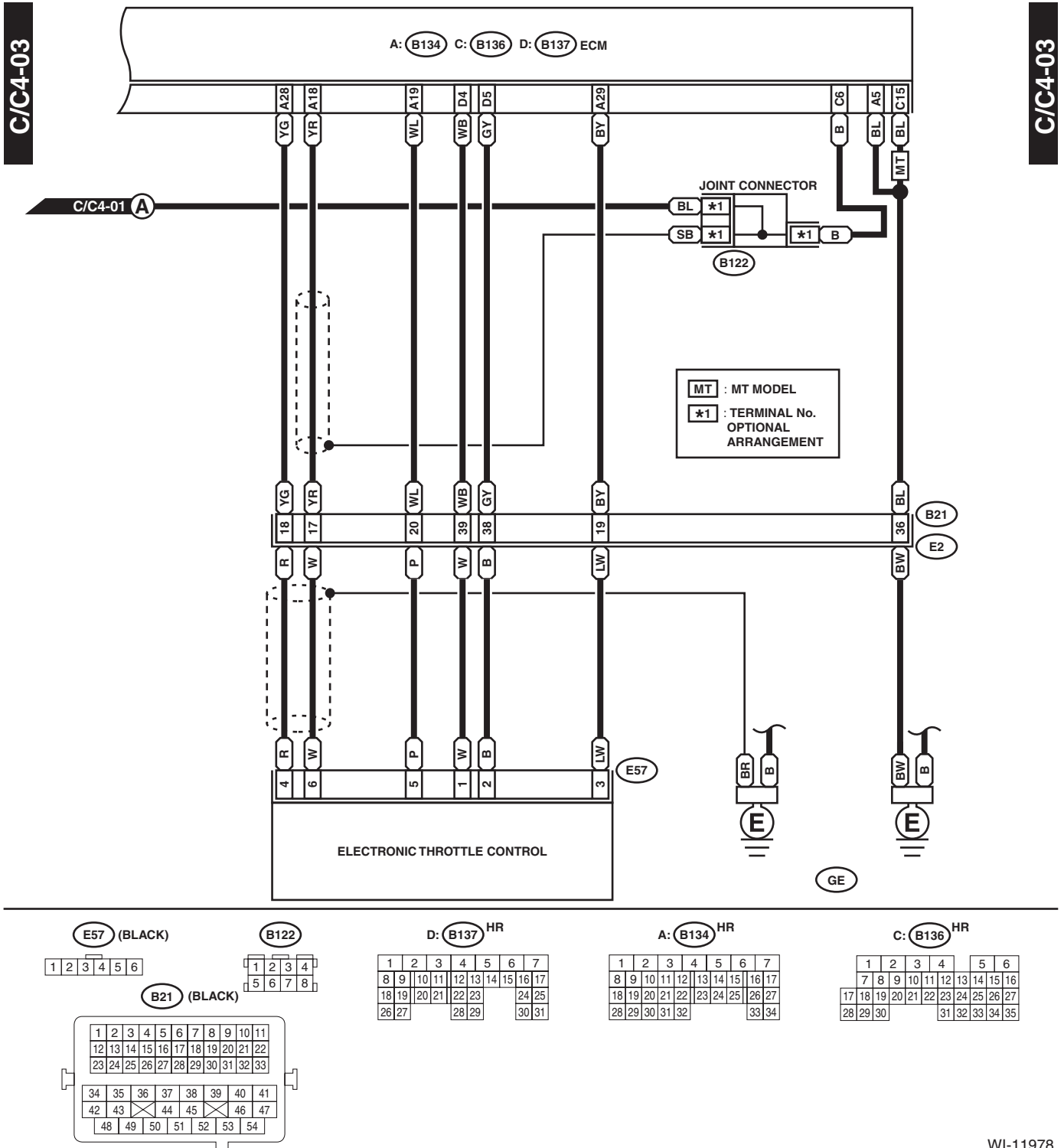
C: B136<sup>HR</sup>

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

WI-11977

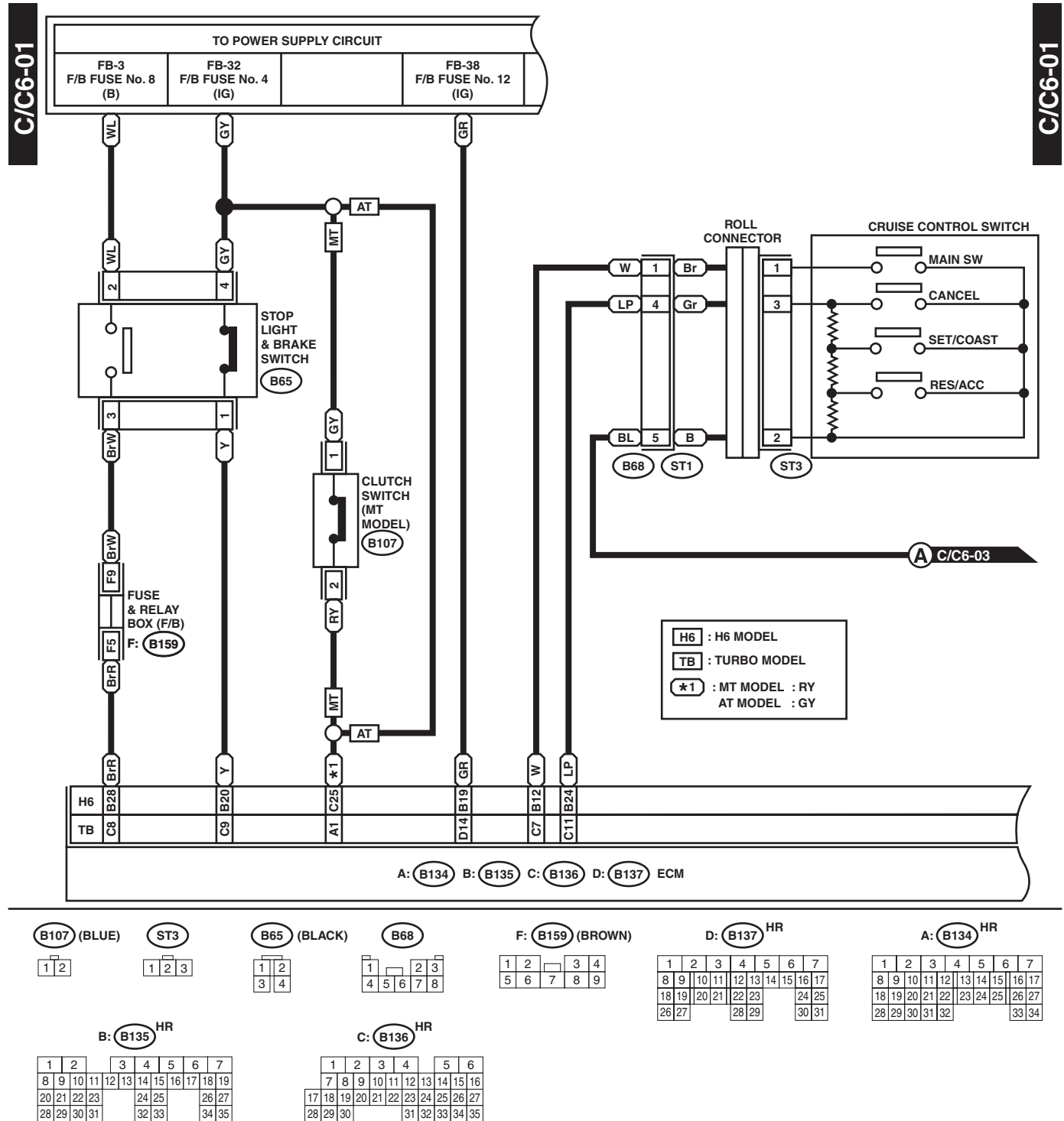
# Cruise Control System

## WIRING SYSTEM



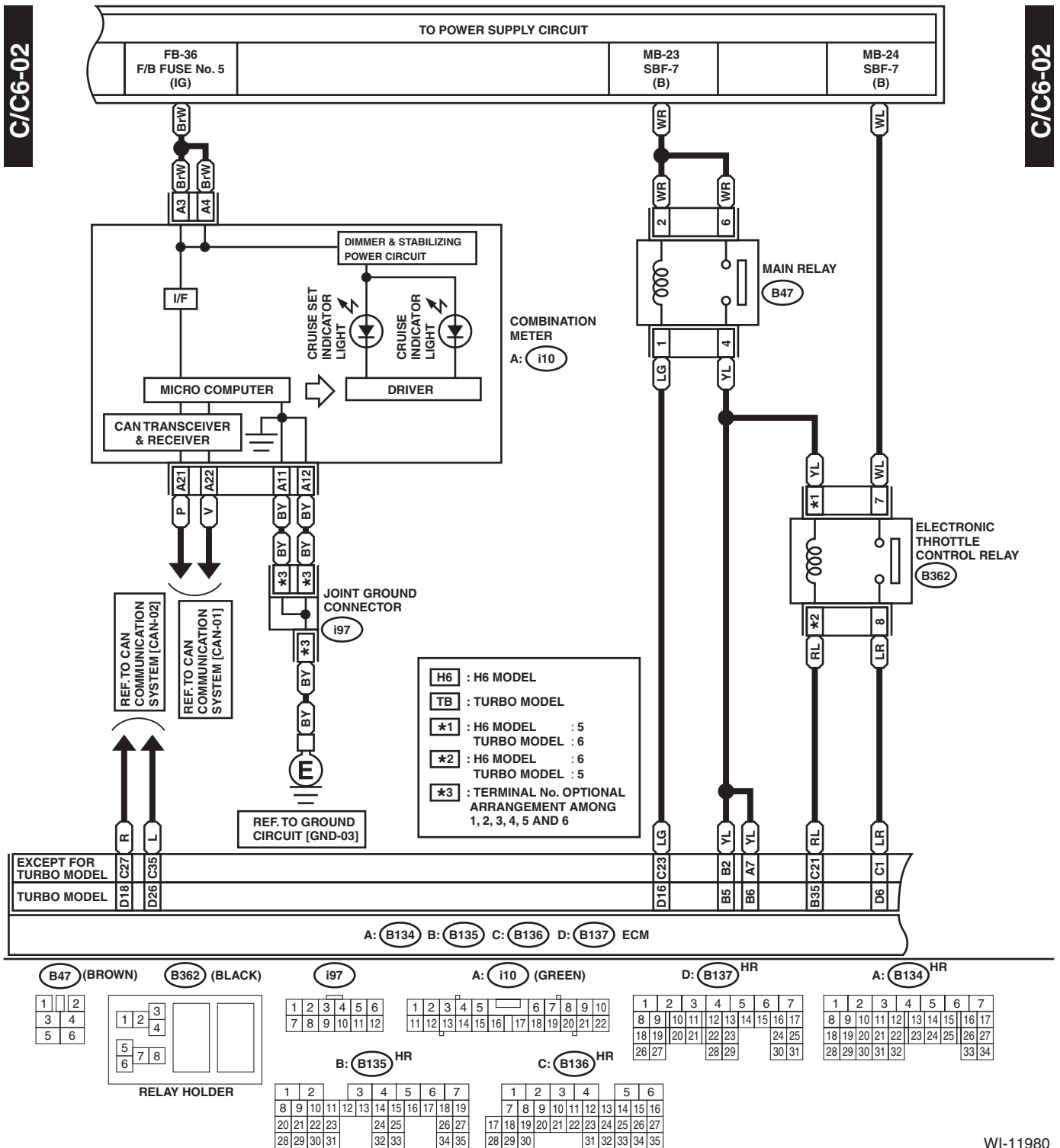
WI-11978

### 2. 2.5L TURBO MODEL AND 3.0 L MODEL



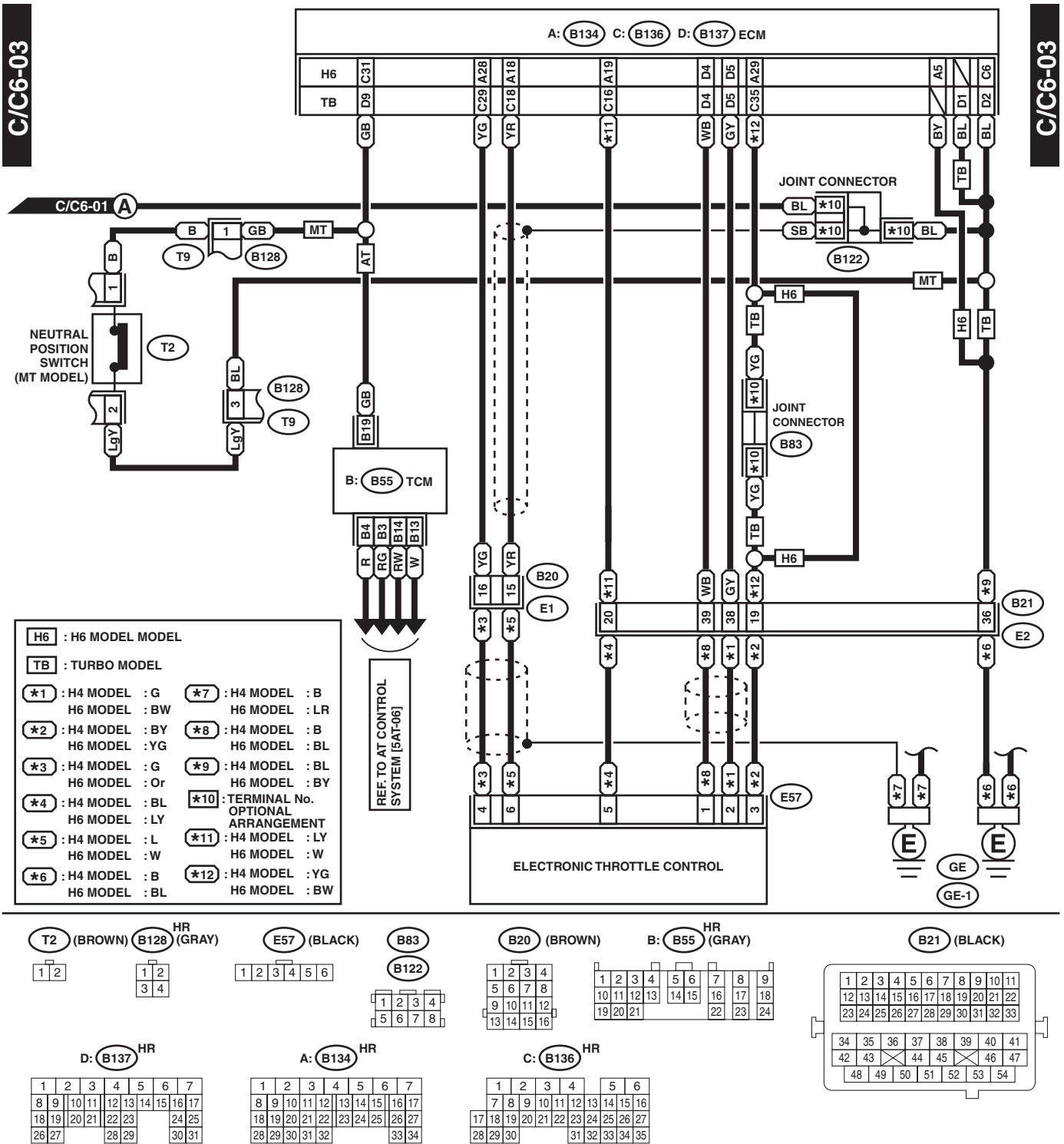
# Cruise Control System

## WIRING SYSTEM



# Cruise Control System

WIRING SYSTEM



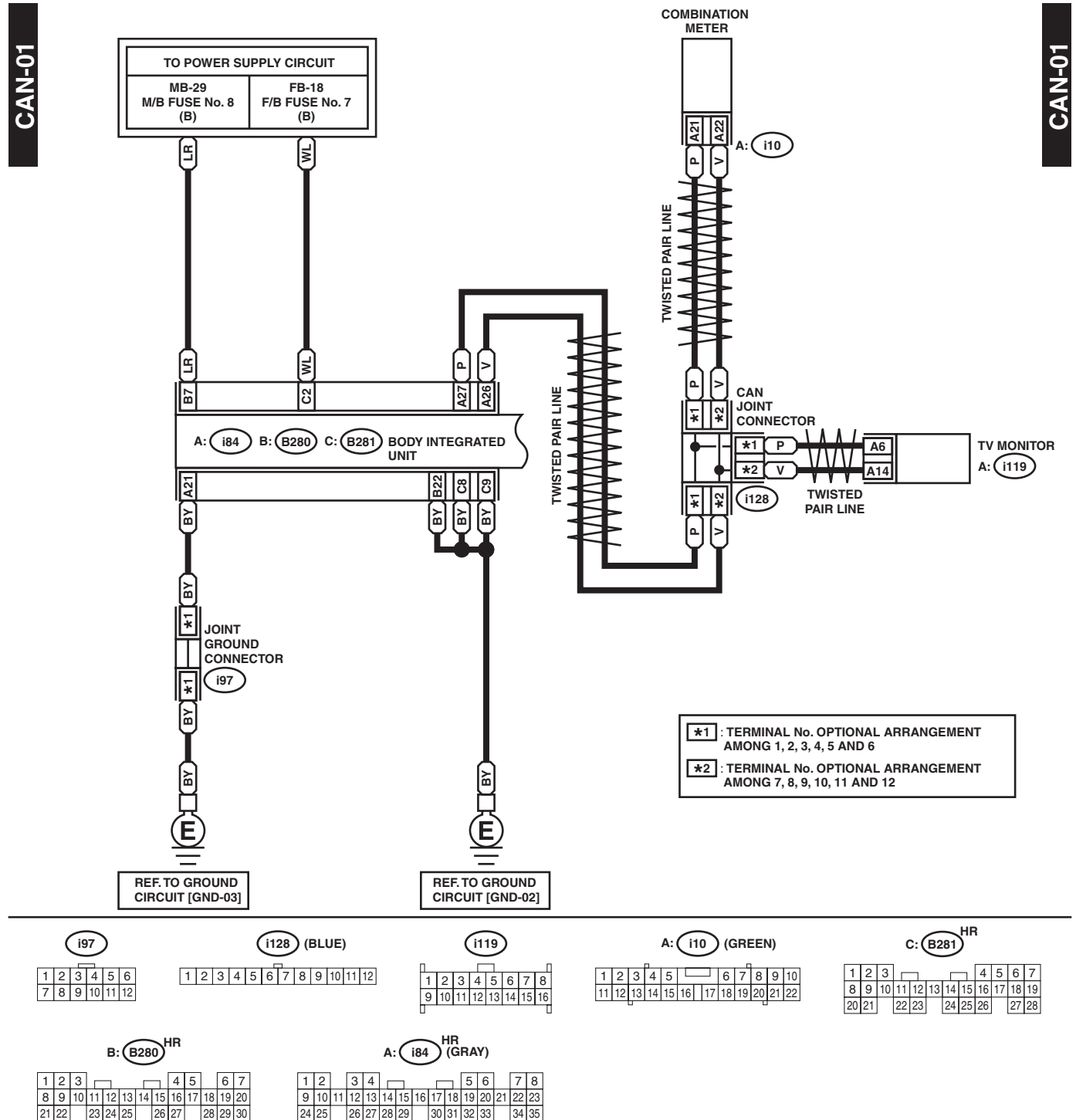
WI-11981

# CAN Communication System

## WIRING SYSTEM

### 51.CAN Communication System

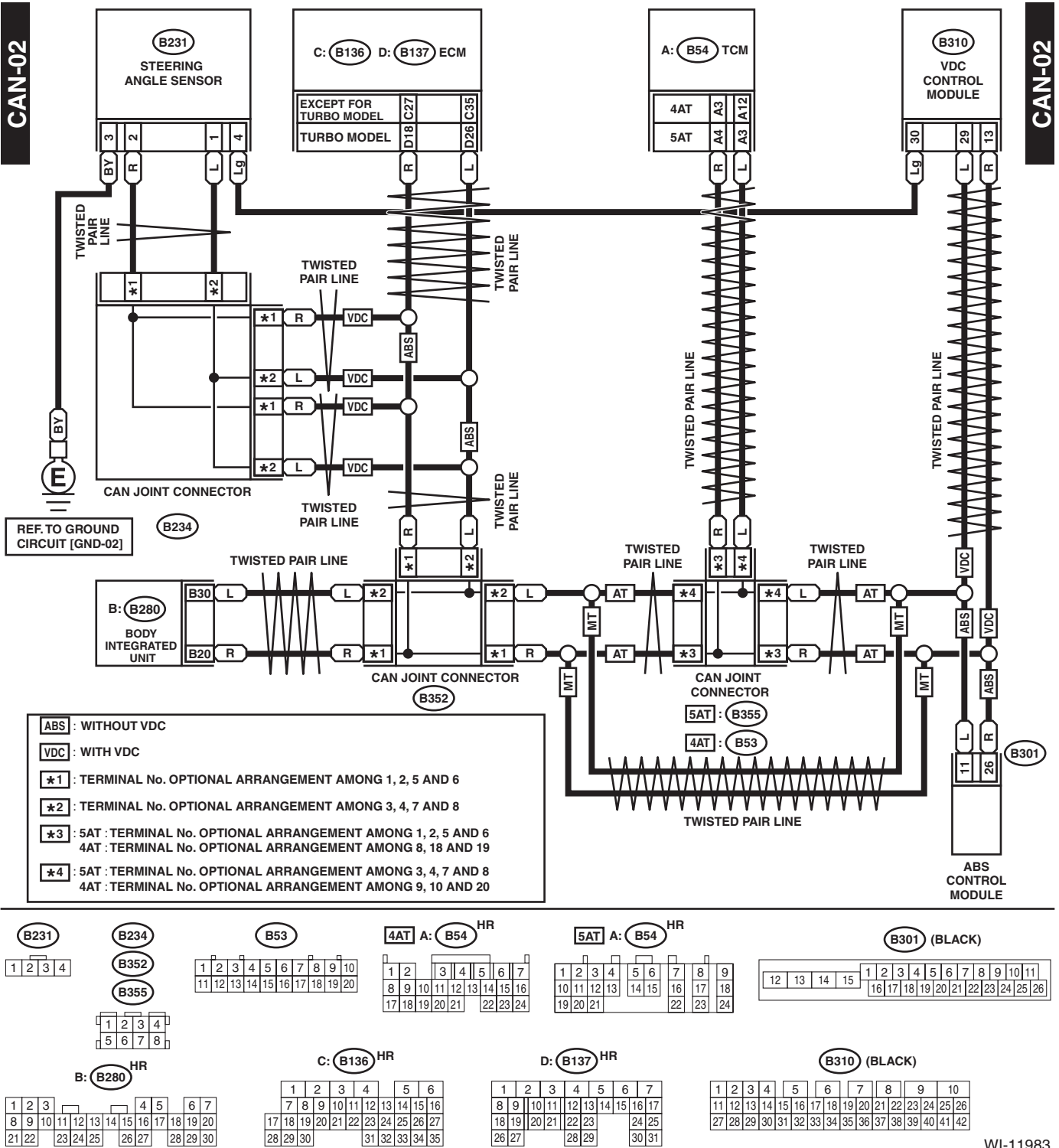
#### A: WIRING DIAGRAM



WI-11982

# CAN Communication System

WIRING SYSTEM



WI-11983

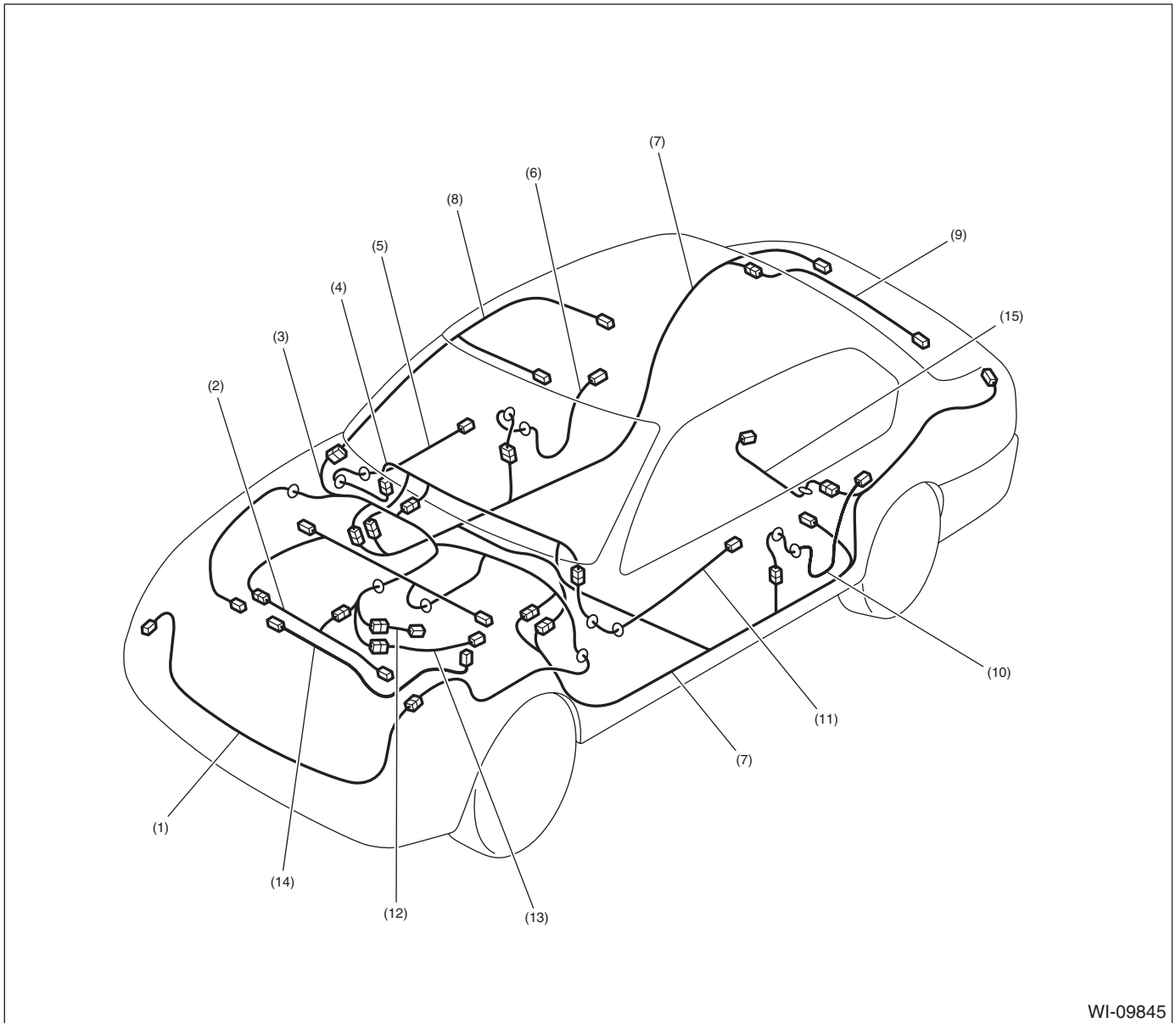
# Harness Components Location

## WIRING SYSTEM

### 52.Harness Components Location

#### A: LOCATION

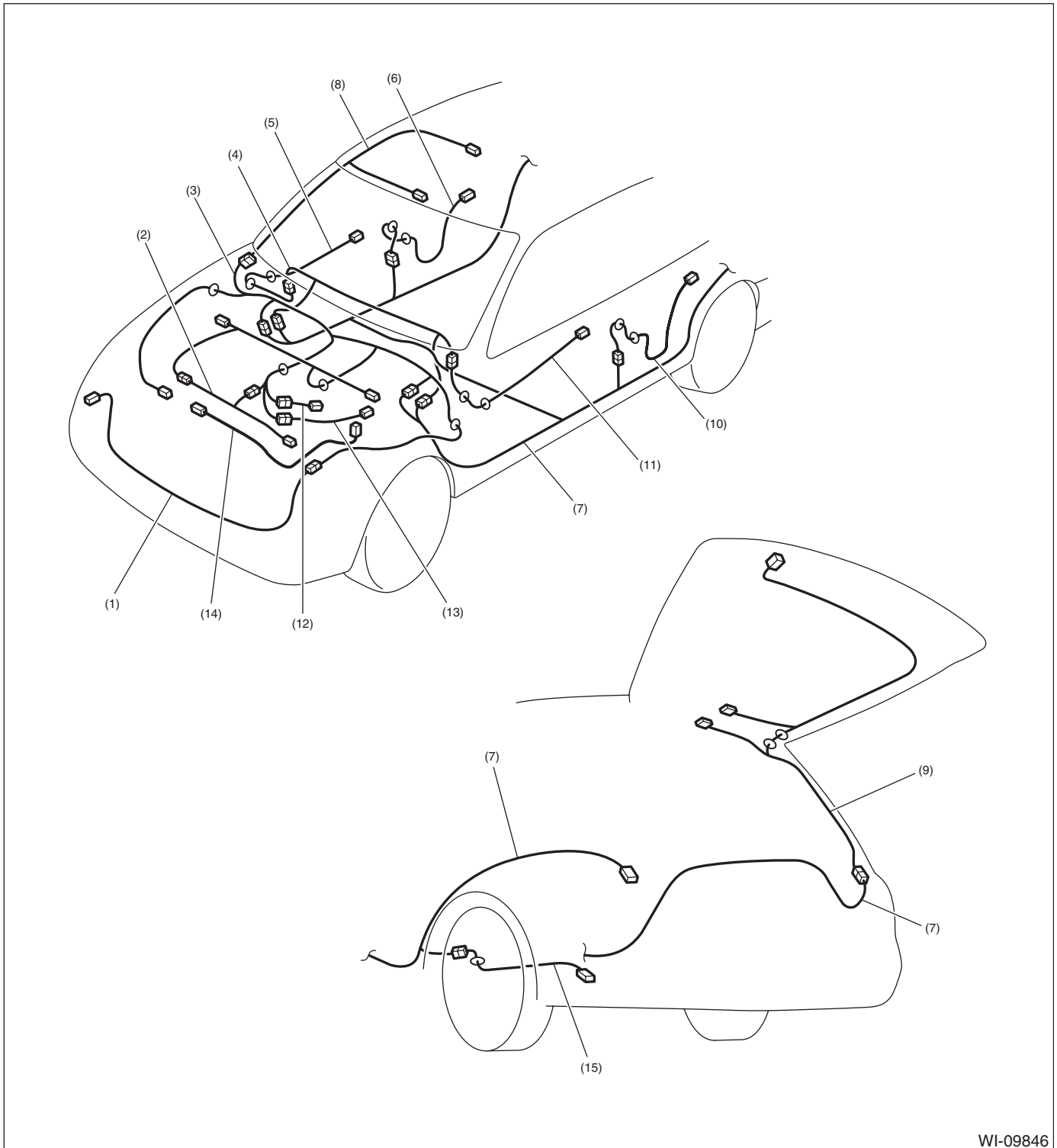
##### 1. SEDAN MODEL



WI-09845

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

## 2. WAGON MODEL



WI-09846

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

# Front Wiring Harness

## WIRING SYSTEM

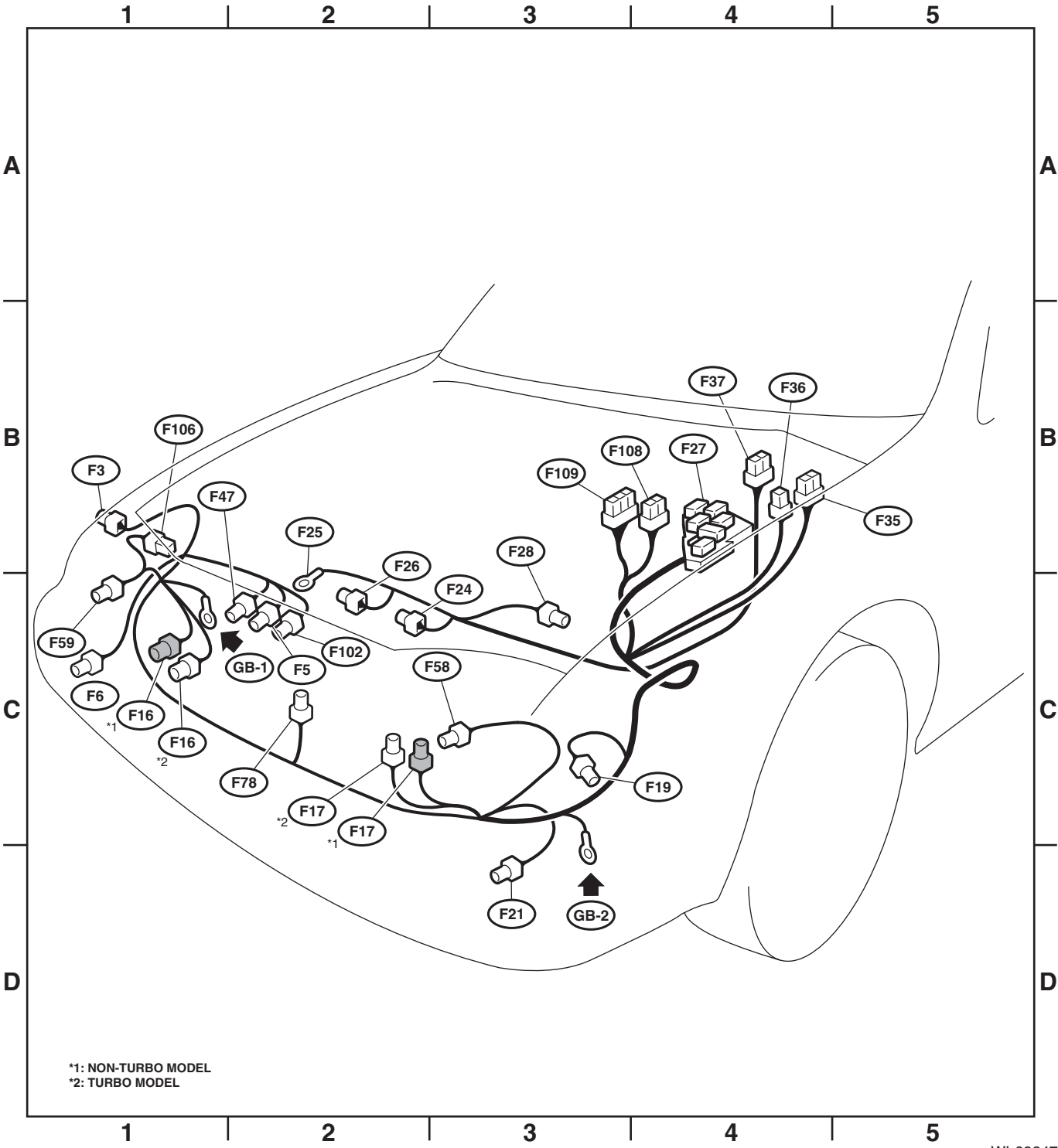
### 53.Front Wiring Harness

#### A: LOCATION

| Connector                  |      |       |      | Connecting to |                                                |
|----------------------------|------|-------|------|---------------|------------------------------------------------|
| No.                        | Pole | Color | Area | No.           | Description                                    |
| F3                         | 3    | ★     | B-1  |               | Front clearance and front turn signal light RH |
| F5                         | 1    | ★     | C-2  |               | Horn (HI)                                      |
| F6                         | 2    | ★     | C-1  |               | Front fog light RH                             |
| F16                        | 2    | Gray  | C-1  |               | Sub fan motor (H4 Turbo model)                 |
|                            |      | Black |      |               | Sub fan motor (H4 Non-turbo model)             |
| F17                        | 2    | Gray  | C-2  |               | Main fan motor (H4 Turbo model)                |
|                            |      | Black |      |               | Main fan motor (H4 Non-turbo model)            |
| F19                        | 3    | ★     | C-4  |               | Front clearance and front turn signal light LH |
| F21                        | 2    | ★     | D-3  |               | Front fog light LH                             |
| F24                        | 2    | Gray  | C-2  |               | A/C compressor (H4 Non-turbo model)            |
|                            |      | Black |      |               | A/C compressor (H6 model)                      |
| F25                        | 1    | ★     | B-2  |               | Generator terminal B                           |
| F26                        | 3    | ★     | C-2  |               | Generator                                      |
| F27                        | 31   | ★     | B-4  |               | Relay holder                                   |
| F28                        | 2    | Gray  | C-3  |               | A/C lock sensor                                |
| F35                        | 12   | Blue  | B-5  |               | Main fuse box (M/B)                            |
| F36                        | 7    | ★     | B-4  |               |                                                |
| F37                        | 20   | ★     | B-4  |               |                                                |
| F47                        | 1    | ★     | B-2  |               | Horn (LO)                                      |
| F58                        | 3    | ★     | C-3  |               | Headlight and front clearance light LH         |
| F59                        | 3    | ★     | C-1  |               | Headlight and front clearance light RH         |
| F78                        | 2    | Black | C-2  |               | Ambient sensor                                 |
| F102                       | 2    | ★     | C-2  |               | Keyless buzzer                                 |
| F106                       | 3    | ★     | B-1  |               | PWM controller (H6 model)                      |
| F108                       | 18   | ★     | B-4  | B361          | Through joint connector                        |
| F109                       | 24   | ★     | B-3  | B360          |                                                |
| ★ : White or natural color |      |       |      |               |                                                |

Front Wiring Harness

WIRING SYSTEM



WI-09847

# Bulkhead Wiring Harness (In Engine Compartment)

## WIRING SYSTEM

### 54. Bulkhead Wiring Harness (In Engine Compartment)

#### A: LOCATION

| Connector |      |       |      | Connecting to |                                       |
|-----------|------|-------|------|---------------|---------------------------------------|
| No.       | Pole | Color | Area | No.           | Description                           |
| B3        | 5    | Black | B-2  |               | Air flow sensor                       |
| B6        | 2    | 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 (Turbo model)            |
|           | 12   | Gray  |      |               | Transmission (H4 Non-turbo model)     |
| B14       | 1    | Black | B-3  |               | Starter (Magnet)                      |
| B15       | 2    | Black | B-4  |               | Front ABS wheel speed sensor LH       |
| B16       | 2    | Gray  | B-4  |               | Brake fluid level switch              |
| B18       | 4    | Gray  | B-3  |               | Front oxygen (A/F) sensor             |
| B19       | 4    | Green | B-2  | T5            | Rear oxygen sensor cord (Turbo 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 (MT model)       |
| B25       | 2    | Brown | B-4  | T2            | Neutral position switch (MT model)    |
| B128      | 4    | Gray  | B-3  | T9            | Transmission harness (MT 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          |                                       |
| B392      | 2    | Gray  | B-3  |               | Exhaust temperature sensor            |

★ : White or natural color

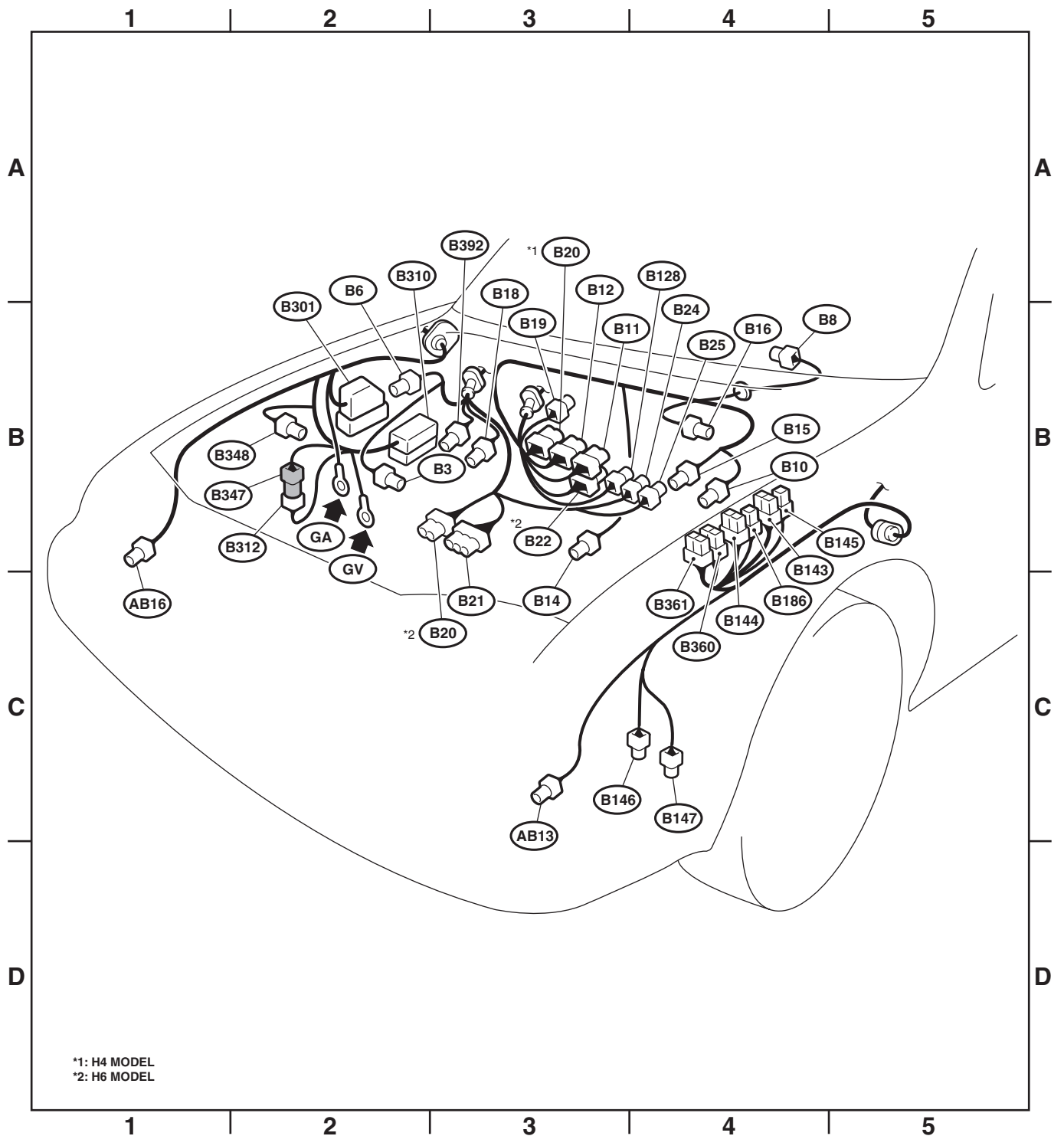
| Connector |      |       |      | Connecting to |                     |
|-----------|------|-------|------|---------------|---------------------|
| No.       | Pole | Color | Area | No.           | Description         |
| AB13      | 2    | Black | C-3  |               | Front sub sensor LH |
| AB16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

★ : White or natural color

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

# Bulkhead Wiring Harness (In Engine Compartment)

WIRING SYSTEM



WI-09848

# Bulkhead Wiring Harness (In Compartment)

## WIRING SYSTEM

### 55.Bulkhead Wiring Harness (In Compartment)

#### A: LOCATION

| Connector |      |        |      | Connecting to |                                                                    |
|-----------|------|--------|------|---------------|--------------------------------------------------------------------|
| No.       | Pole | Color  | Area | No.           | Description                                                        |
| B31       | 12   | Yellow | C-1  | AB1           | Airbag wiring harness                                              |
| B32       | 8    | ★      | C-2  |               | Turn signal & hazard unit                                          |
| B36       | 28   | ★      | 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 (4AT model)                                 |
| B54       | 24   | ★      | C-3  |               | TCM                                                                |
| B55       | 24   | Gray   | C-3  |               | TCM (5AT model)                                                    |
|           | 31   | ★      |      |               | TCM (4AT model)                                                    |
| B65       | 4    | Black  | B-3  |               | Stop and brake switch (Models 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       | 7    | Green  | B-4  |               | Mode actuator (Manual A/C)                                         |
| B83       | 8    | ★      | C-5  |               | Joint connector                                                    |
| B85       | 2    | Black  | B-2  |               | Diode (Light)                                                      |
| B86       | 4    | ★      | B-4  |               | Blower fan controller (Auto A/C)<br>* Blower resistor (Manual A/C) |
| B87       | 2    | ★      | B-5  |               | Blower fan motor                                                   |
| B88       | 5    | ★      | B-5  |               | 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                                              |
| B96       | 8    | Black  | B-1  |               | Daytime running light control module                               |

| Connector |      |       |      | Connecting to |                                                   |
|-----------|------|-------|------|---------------|---------------------------------------------------|
| No.       | Pole | Color | Area | No.           | Description                                       |
| B97       | 20   | ★     | C-1  | R1            | Rear wiring harness                               |
| B98       | 16   | ★     | B-5  | R2            |                                                   |
| B106      | 2    | ★     | B-2  |               | Clutch switch                                     |
| B107      | 2    | Blue  | B-2  |               | Clutch switch (Model with cruise control)         |
| B116      | 12   | ★     | D-4  |               | AT select lever                                   |
| B122      | 8    | ★     | C-5  |               | Joint connector (E/G)                             |
| B134      | 34   | ★     | C-4  |               | ECM                                               |
| B135      | 35   | ★     | C-4  |               |                                                   |
| B136      | 35   | ★     | C-4  |               |                                                   |
| B137      | 31   | ★     | C-4  |               |                                                   |
| B138      | 8    | ★     | C-5  |               | Joint connector (H6 model and H4 Non-turbo model) |
| B152      | 10   | Gray  | C-2  |               | Fuse & relay box (F/B)                            |
| B158      | 8    | ★     | C-2  |               |                                                   |
| B159      | 9    | Brown | C-2  |               |                                                   |
| B177      | 2    | ★     | B-4  |               | Wiper deicer                                      |
| B224      | 2    | ★     | B-4  |               | Key switch illumination                           |
| B225      | 40   | Black | C-2  |               | Fuse (Relay block)                                |
|           |      |       |      |               | Mirror heater relay                               |
|           |      |       |      |               | Starter relay                                     |
|           |      |       |      |               | Front fog light relay                             |
|           |      |       |      |               | Power window relay                                |
|           |      |       |      |               | Blower fan relay                                  |
|           |      |       |      |               | Daytime running light relay                       |
|           |      |       |      |               | Wiper deicer relay                                |
|           |      |       |      |               | Seat heater relay                                 |
|           |      |       |      |               |                                                   |
| B228      | 15   | ★     | B-2  |               | OP connector                                      |
| B229      | 2    | Black | B-1  |               | 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  |               | Passenger seat air mix actuator (Auto A/C)        |
| B242      | 10   | ★     | B-1  |               | Daytime running light control module              |
| B280      | 30   | ★     | C-3  |               | Body integrated unit                              |
| B281      | 28   | ★     | C-3  |               |                                                   |
| B282      | 16   | ★     | B-4  |               | Auto A/C control module                           |
| B283      | 20   | ★     | B-4  |               |                                                   |
| B292      | 3    | ★     | D-4  |               | ABS G sensor                                      |

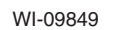
# Bulkhead Wiring Harness (In Compartment)

WIRING SYSTEM

| Connector                  |      |       |      | Connecting to |                                         |
|----------------------------|------|-------|------|---------------|-----------------------------------------|
| No.                        | Pole | Color | Area | No.           | Description                             |
| B315                       | 6    | Black | B-3  |               | Accelerator pedal position sensor       |
| B327                       | 6    | Brown | B-5  |               | Oxygen sensor relay                     |
| B350                       | 4    | ★     | B-3  |               | Key lock solenoid                       |
| B351                       | 2    | Black | B-4  |               | Antenna                                 |
| B352                       | 8    | ★     | C-3  |               | CAN joint connector                     |
| B355                       | 8    | ★     | B-3  |               | CAN joint connector (TCM)               |
| B356                       | 4    | Black | C-3  |               | BACK-UP LIGHT RELAY (5AT MODEL)         |
| B357                       | 4    | Black | C-3  |               | PV-IGN relay (5AT model)                |
| B359                       | 3    | Black | D-4  |               | Lateral G sensor (5AT model)            |
| B362                       | 8    | Black | B-5  |               | Relay holder                            |
| B370                       | 2    | Black | C-1  |               | Diode (Engine status)                   |
| B373                       | 2    | ★     | B-1  |               | Fuse & relay box (F/B)                  |
| B390                       | 7    | Green | B-3  |               | Driver seat air mix actuator (Auto A/C) |
| ★ : White or natural color |      |       |      |               |                                         |

| Connector                  |      |        |      | Connecting to |                             |
|----------------------------|------|--------|------|---------------|-----------------------------|
| No.                        | Pole | Color  | Area | No.           | Description                 |
| AB1                        | 12   | Yellow | C-1  | B31           | Airbag wiring harness       |
| AB2                        | 4    | Yellow | B-4  | AB7           | Inflator (Driver seat)      |
| AB6                        | 28   | Yellow | C-4  |               | Airbag control module       |
| AB9                        | 4    | Yellow | B-5  | AB10          | Inflator (Passenger's seat) |
| ★ : White or natural color |      |        |      |               |                             |

## WIRING SYSTEM



## 56.Engine Wiring Harness and Transmission Cord

### A: LOCATION

#### 1. 2.5 L NON-TURBO MODEL

| Connector                  |      |            |      | Connecting to |                                                      |
|----------------------------|------|------------|------|---------------|------------------------------------------------------|
| No.                        | Pole | Color      | Area | No.           | Description                                          |
| E2                         | 54   | Black      | A-2  | B21           | Bulkhead wiring harness                              |
| E4                         | 2    | Black      | A-2  |               | CPC Solenoid                                         |
| 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                    |
| E10                        | 2    | Light gray | B-3  |               | Crankshaft position sensor                           |
| E11                        | 1    | ★          | B-2  |               | Oil pressure switch                                  |
| E12                        | 4    | Dark gray  | A-2  |               | Ignition coil and ignitor assembly                   |
| E14                        | 2    | Gray       | B-4  |               | Knock sensor 1                                       |
| 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 solenoid valve                                   |
| E19                        | 1    | ★          | B-2  |               | Power steering oil pressure switch                   |
| E21                        | 3    | Black      | A-3  |               | Manifold absolute pressure sensor                    |
| E22                        | 6    | Dark gray  | A-1  |               | Front oxygen (A/F) sensor                            |
| E23                        | 4    | Dark gray  | A-1  |               | Rear oxygen sensor                                   |
| E48                        | 2    | Blue       | A-4  |               | Knock sensor 2                                       |
| E57                        | 6    | Black      | A-3  |               | Electronic throttle control                          |
| E61                        | 2    | Dark gray  | A-4  |               | Blow-by hose diagnosis (PCV)                         |
| E67                        | 2    | Blue       | A-2  |               | Intake VVL solenoid RH                               |
| E68                        | 2    | Blue       | B-5  |               | Intake VVL solenoid LH                               |
| E71                        | 1    | Gray       | A-3  |               | Variable valve lift diagnosis oil pressure switch RH |
| E72                        | 1    | Gray       | B-5  |               | Variable valve lift diagnosis oil pressure switch LH |
| E75                        | 2    | Black      | B-3  |               | Oil temperature sensor                               |
| ★ : White or natural color |      |            |      |               |                                                      |

#### AT model

| Connector                  |      |       |      | Connecting to |                         |
|----------------------------|------|-------|------|---------------|-------------------------|
| No.                        | Pole | Color | Area | No.           | Description             |
| T3                         | 12   | Black | D-3  | B12           | Bulkhead wiring harness |
| T4                         | 20   | Gray  | D-4  | B11           |                         |
| T7                         | 12   | Black | D-5  |               | Inhibitor switch        |
| ★ : White or natural color |      |       |      |               |                         |

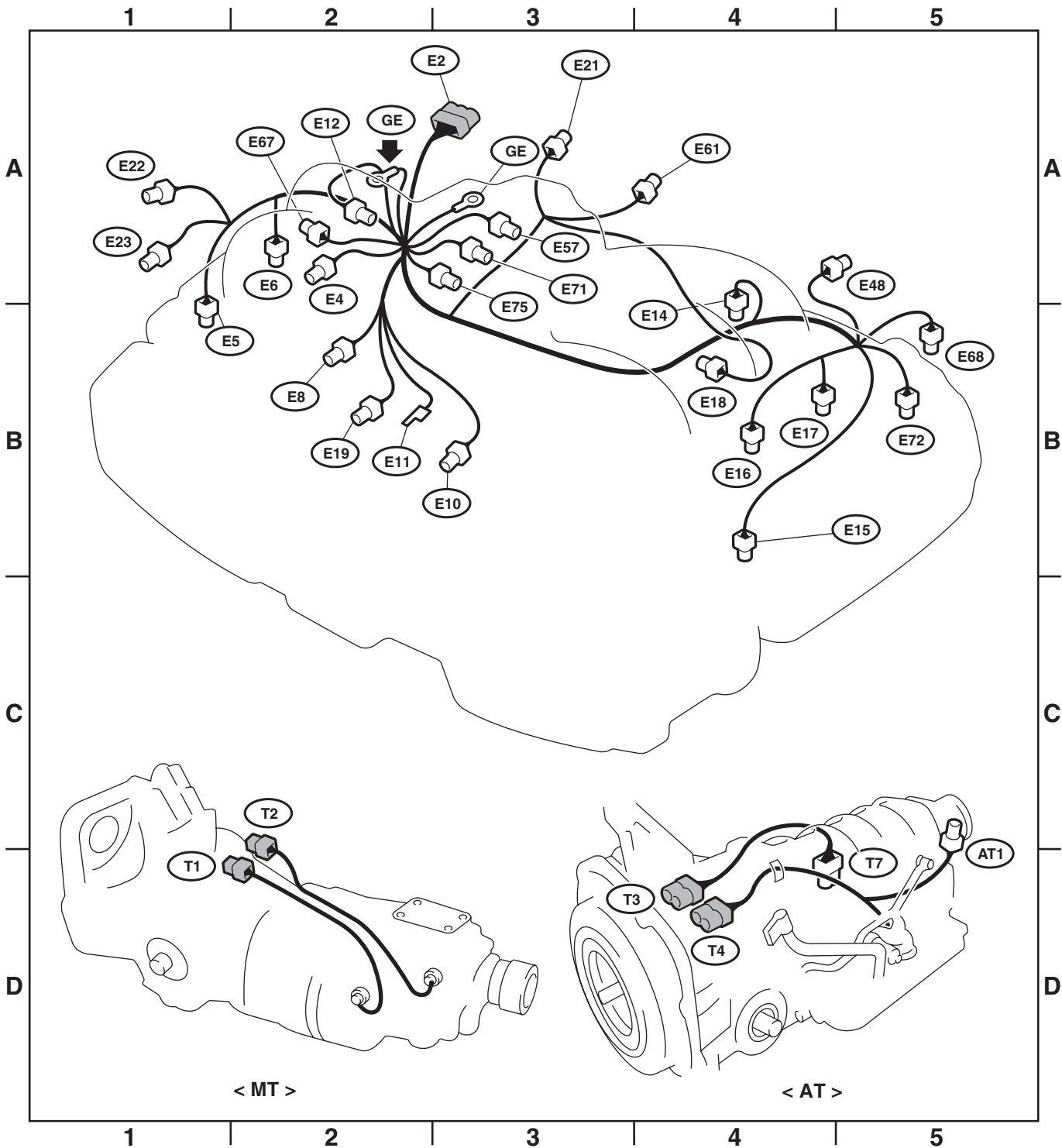
Engine Wiring Harness and Transmission Cord

WIRING SYSTEM

MT model

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

★ : White or natural color



WI-09850

## 2. 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  |               | CPC Solenoid                              |
| 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         |
| E10                        | 2    | Light gray | B-3  |               | Crankshaft position sensor                |
| E11                        | 1    | ★          | B-2  |               | Oil pressure switch                       |
| E14                        | 2    | Brown      | B-3  |               | Knock sensor                              |
| E16                        | 2    | Light gray | B-4  |               | Fuel injector No. 2                       |
| E17                        | 2    | Black      | B-5  |               | Fuel injector No. 4                       |
| E19                        | 1    | ★          | B-2  |               | Power steering oil pressure switch        |
| E21                        | 3    | Black      | A-3  |               | Manifold absolute pressure sensor         |
| E31                        | 3    | ★          | A-2  |               | Ignition coil No. 1                       |
| E32                        | 3    | ★          | B-4  |               | Ignition coil No. 2                       |
| E33                        | 3    | Black      | A-2  |               | Ignition coil No. 3                       |
| E34                        | 3    | Black      | B-4  |               | Ignition coil No. 4                       |
| E35                        | 3    | Light gray | A-4  |               | Intake camshaft position sensor LH        |
| E36                        | 3    | Light gray | A-2  |               | Intake camshaft position sensor RH        |
| E37                        | 2    | Blue       | B-3  |               | Intake oil flow control solenoid valve LH |
| E38                        | 2    | Blue       | B-1  |               | Intake oil flow control solenoid valve RH |
| E50                        | 3    | Black      | B-4  |               | TGV angle sensor LH                       |
| E51                        | 2    | Black      | B-4  |               | TGV LH                                    |
| E54                        | 3    | Black      | A-2  |               | TGV angle sensor RH                       |
| E55                        | 2    | Black      | A-1  |               | TGV RH                                    |
| E61                        | 2    | Gray       | B-3  |               | Blow-by hose diagnosis (PCV)              |
| E57                        | 6    | Black      | A-3  |               | Electronic throttle control               |
| E64                        | 2    | Blue       | A-3  |               | Wastegate control solenoid                |
| ★ : White or natural color |      |            |      |               |                                           |

### AT model

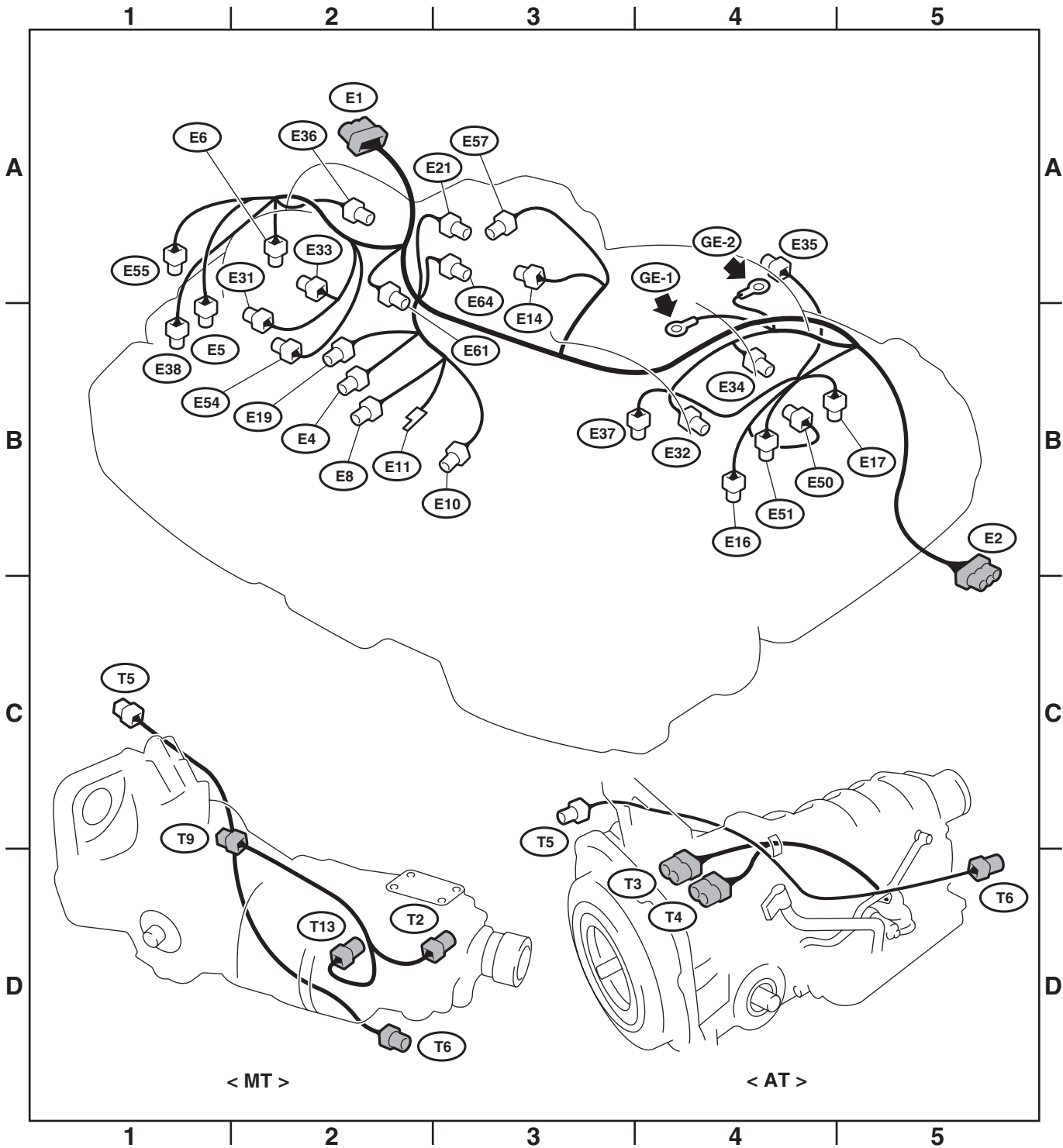
| Connector                  |      |           |      | Connecting to |                         |
|----------------------------|------|-----------|------|---------------|-------------------------|
| No.                        | Pole | Color     | Area | No.           | Description             |
| T3                         | 8    | Brown     | 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      |
| ★ : White or natural color |      |           |      |               |                         |

Engine Wiring Harness and Transmission Cord

WIRING SYSTEM

MT model

| Connector |      |           |      | Connecting to |                         |
|-----------|------|-----------|------|---------------|-------------------------|
| No.       | Pole | Color     | Area | No.           | Description             |
| T2        | 2    | Brown     | D-3  |               | Neutral switch          |
| T5        | 4    | Green     | C-1  | B19           | Bulkhead wiring harness |
| T6        | 4    | Dark gray | D-3  |               | Rear oxygen sensor      |
| T9        | 4    | Gray      | C-1  | B128          | Bulkhead wiring harness |
| T13       | 2    | Gray      | D-2  |               | Back-up light switch    |



# Engine Wiring Harness and Transmission Cord

WIRING SYSTEM

## 3. 3.0 L MODEL

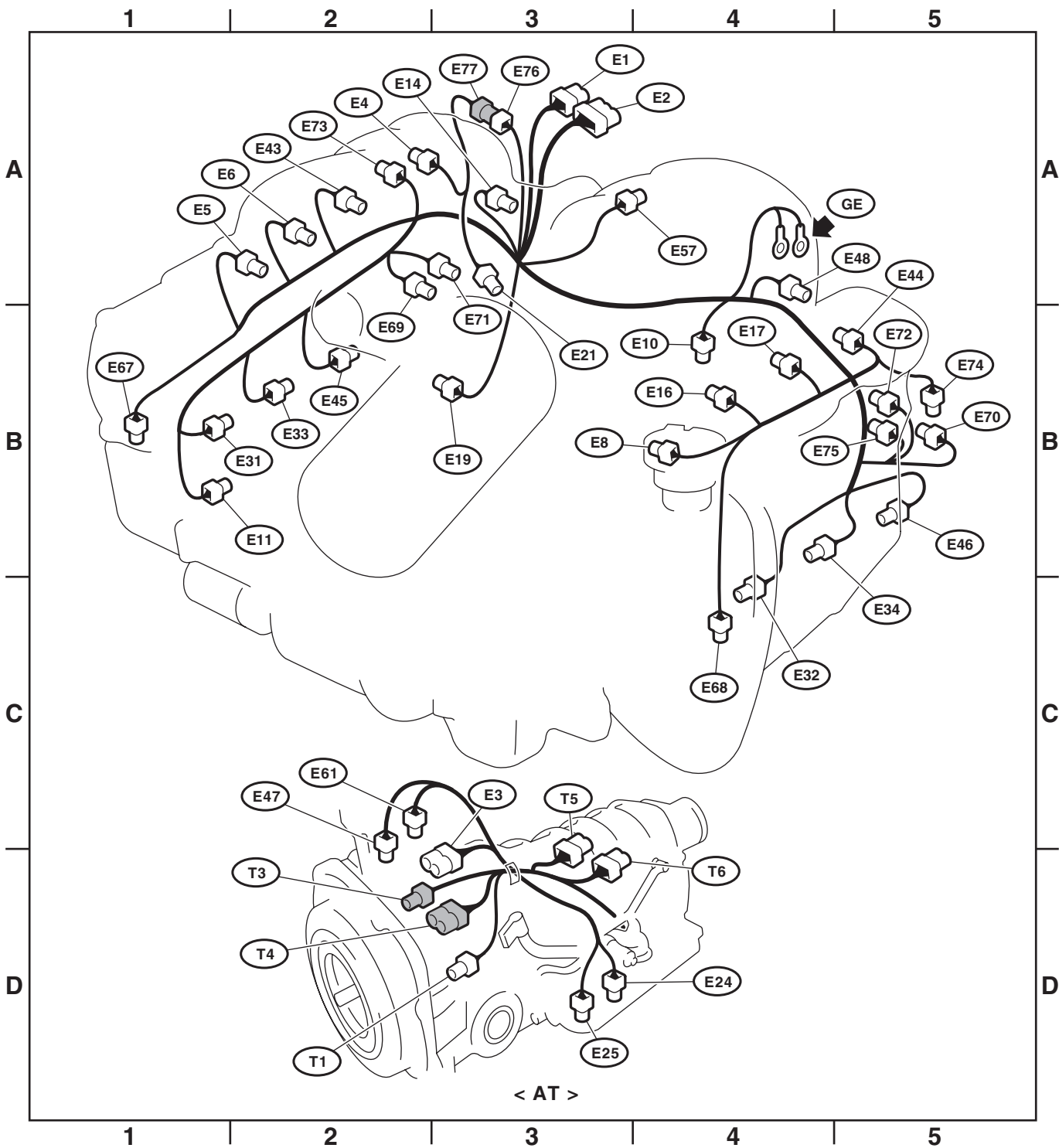
| Connector |      |            |      | Connecting to |                                                      |
|-----------|------|------------|------|---------------|------------------------------------------------------|
| No.       | Pole | Color      | Area | No.           | Description        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

★ : White or natural color

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

Engine Wiring Harness and Transmission Cord

WIRING SYSTEM



WI-09852

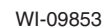
## 57. Instrument Panel Wiring Harness

## A: LOCATION

| Connector |      |       |      | Connecting to |                                           |
|-----------|------|-------|------|---------------|-------------------------------------------|
| No.       | Pole | Color | Area | No.           | Description                               |
| i1        | 28   | ★     | B-1  | B36           | Bulkhead wiring harness                   |
| i2        | 8    | ★     | B-4  | B37           |                                           |
| i3        | 20   | ★     | B-5  | B38           |                                           |
| i5        | 20   | ★     | C-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                       |
| i51       | 2    | ★     | B-5  |               | 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-1  | D83           | Front door cord LH                        |
| i77       | 12   | Black | B-1  |               | Joint connector                           |
| i78       | 15   | ★     | C-2  |               | Push switch                               |
| i79       | 6    | ★     | C-2  |               | Illumination control module               |
| i82       | 12   | ★     | B-2  |               | Joint connector (Illumination and backup) |
| i83       | 12   | ★     | B-2  |               |                                           |
| i84       | 35   | Gray  | C-3  |               | Body integrated unit                      |
| i85       | 8    | ★     | C-4  |               | Audio                                     |
| i88       | 8    | ★     | C-4  |               | A/C control pane (Auto A/C)               |
| i96       | 8    | ★     | B-5  |               | Keyless entry control module              |
| i97       | 12   | ★     | B-5  |               | Joint ground connector                    |
| i98       | 12   | ★     | B-5  |               |                                           |
| i99       | 12   | Black | B-5  |               |                                           |
| i100      | 12   | Black | B-5  |               |                                           |
| i101      | 25   | ★     | C-5  | D84           | Front door cord RH                        |
| i102      | 16   | ★     | C-1  | R167          | Rear wiring harness                       |
| i119      | 16   | ★     | B-4  |               | TV monitor                                |
| i120      | 20   | ★     | B-4  |               |                                           |
| i128      | 12   | Blue  | B-2  |               | CAN joint connector                       |

★ : White or natural color

## WIRING SYSTEM



## 58.Rear Wiring Harness

### A: LOCATION

#### 1. SEDAN MODEL

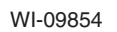
| Connector                  |      |       |      | Connecting to |                                                         |
|----------------------------|------|-------|------|---------------|---------------------------------------------------------|
| No.                        | Pole | Color | Area | No.           | Description                                             |
| R1                         | 20   | ★     | C-3  | B97           | Bulkhead wiring harness                                 |
| R2                         | 16   |       | B-1  | B98           |                                                         |
| R4                         | 1    | Black | C-3  |               | Parking brake switch                                    |
| R8                         | 4    | ★     | C-4  |               | Front seat belt switch LH                               |
| R9                         | 3    | ★     | C-4  |               | Front door switch LH                                    |
| R10                        | 8    | ★     | B-3  | D22           | Rear door cord RH                                       |
| R12                        | 3    | ★     | B-3  |               | Front door switch RH                                    |
| R13                        | 8    | ★     | C-4  | D28           | Rear door cord LH                                       |
| R15                        | 8    | ★     | B-4  | R213          | Fuel cord 1                                             |
| R16                        | 3    | ★     | B-4  |               | Rear door switch RH                                     |
| R41                        | 4    | ★     | C-4  |               | Seat heater LH                                          |
| R43                        | 20   | ★     | C-3  |               | Seat heater switch                                      |
| R44                        | 4    | ★     | C-2  |               | Seat heater RH                                          |
| R46                        | 6    | ★     | B-4  | R67           | Fuel cord 2                                             |
| R50                        | 16   | ★     | B-2  | B90           | Bulkhead wiring harness                                 |
| R51                        | 2    | Black | B-3  |               | Vanity mirror illumination RH                           |
| R52                        | 3    | ★     | B-3  |               | Room light                                              |
| R54                        | 2    | Black | B-4  |               | Vanity mirror illumination LH (Without home link)       |
|                            | 3    | ★     |      |               | Vanity mirror illumination LH (With home link)          |
| R55                        | 10   | Gray  | A-3  |               | Sunroof control unit                                    |
| R56                        | 2    | ★     | A-3  |               | Spot map light                                          |
| R57                        | 3    | ★     | B-3  |               | Rearview mirror                                         |
| R72                        | 2    | ★     | B-4  |               | Rear ABS wheel speed sensor RH                          |
| R73                        | 2    | ★     | B-4  |               | Rear ABS wheel speed sensor LH                          |
| R98                        | 18   | ★     | B-2  | i53           | Instrument panel wiring harness RH                      |
| R109                       | 2    | Black | B-4  |               | Power seat RH                                           |
| R128                       | 5    | ★     | A-3  |               | Open/Close switch                                       |
| R142                       | 2    | ★     | C-5  |               | Fuel pump condenser (Without fuel pump controller unit) |
| R150                       | 6    | Gray  | B-2  |               | Seatbelt and airbag warning light                       |
| R167                       | 16   | ★     | C-3  | i102          | Instrument panel wiring harness LH                      |
| R168                       | 20   | ★     | C-3  |               | Fuse & relay box (F/B)                                  |
| R169                       | 8    | ★     | B-3  |               | Impact sensor                                           |
| R187                       | 5    | Black | B-3  |               | Tilt switch                                             |
| R188                       | 2    | Black | C-4  |               | Power seat LH                                           |
| R211                       | 12   | ★     | C-4  |               | TPM control module                                      |
| R226                       | 10   | ★     | C-4  |               | Navigation module                                       |
| R242                       | 5    | ★     | A-4  |               | Sunroof switch 2                                        |
| ★ : White or natural color |      |       |      |               |                                                         |

# Rear Wiring Harness

## WIRING SYSTEM

| Connector                  |      |        |      | Connecting to |                                   |
|----------------------------|------|--------|------|---------------|-----------------------------------|
| No.                        | Pole | Color  | Area | No.           | Description                       |
| AB17                       | 20   | Yellow | C-2  |               | Airbag control module RH          |
| AB18                       | 20   | Yellow | C-2  |               | Airbag control module LH          |
| AB19                       | 2    | Yellow | C-4  | AB20          | Inflator (Side) LH                |
| AB21                       | 2    | ★      | C-4  |               | Pretensioner LH                   |
| AB23                       | 4    | Yellow | C-5  |               | Side airbag sensor LH             |
| AB24                       | 2    | Yellow | B-3  | AB25          | Inflator (Side) RH                |
| AB26                       | 2    | Black  | B-2  |               | Pretensioner RH                   |
| AB28                       | 4    | Yellow | B-3  |               | Side airbag sensor RH             |
| AB34                       | 4    | Yellow | B-4  |               | Curtain airbag sensor RH          |
| AB51                       | 2    | Yellow | C-4  |               | Buckle switch                     |
| AB52                       | 2    | Yellow | C-4  |               | Seat position                     |
| AB53                       | 6    | Gray   | C-3  |               | Occupant detection control module |
| AB56                       | 3    | Brown  | B-3  |               | Belt tensioner sensor             |
| ★ : White or natural color |      |        |      |               |                                   |

## WIRING SYSTEM



# Rear Wiring Harness

## WIRING SYSTEM

### 2. WAGON MODEL

| Connector |      |       |      | Connecting to |                                                      |
|-----------|------|-------|------|---------------|------------------------------------------------------|
| No.       | Pole | Color | Area | No.           | Description                                          |
| R1        | 20   | ★     | C-3  | B97           | Bulkhead wiring harness                              |
| R2        | 16   | ★     | B-1  | B98           |                                                      |
| R4        | 1    | Black | C-3  |               | Parking brake switch                                 |
| R8        | 4    | ★     | C-3  |               | Front seat belt switch LH                            |
| R9        | 3    | ★     | C-4  |               | Front door switch LH                                 |
| R10       | 8    | ★     | B-2  | D22           | Rear door cord LH                                    |
| R12       | 3    | ★     | B-2  |               | Front door switch RH                                 |
| R13       | 8    | ★     | C-4  | D28           | Rear door cord RH                                    |
| R15       | 8    | ★     | B-4  | R213          | Fuel cord 1                                          |
| 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                                       |
| R46       | 6    | ★     | B-5  | R67           | Fuel cord 2                                          |
| R50       | 16   | ★     | B-1  | B90           | Bulkhead wiring harness                              |
| R51       | 2    | Black | A-2  |               | Vanity mirror illumination RH                        |
| R52       | 3    | ★     | A-3  |               | Room light                                           |
| R54       | 2    | Black | B-3  |               | Vanity mirror illumination LH (Without home link)    |
|           | 3    | ★     |      |               | Vanity mirror illumination LH (With home link)       |
| R55       | 2    | ★     | A-2  |               | Sunroof cord                                         |
| R56       | 2    | ★     | A-2  |               | Spot map light                                       |
| R57       | 3    | ★     | A-3  |               | Rearview mirror                                      |
| R72       | 2    | ★     | B-4  |               | Rear ABS wheel speed sensor RH                       |
| R73       | 2    | ★     | B-4  |               | Rear ABS wheel speed sensor LH                       |
| R74       | 2    | ★     | A-2  | R55           | Roof cord                                            |
| R75       | 6    | ★     | A-4  |               | Sunroof motor assembly                               |
| R98       | 18   | ★     | B-1  | i53           | Instrument panel wiring harness RH                   |
| R109      | 2    | ★     | B-3  |               | Power seat RH                                        |
| R142      | 2    | ★     | C-5  |               | Fuel pump condenser (Without fuel pump control unit) |
| R150      | 6    | Gray  | A-3  |               | Seatbelt and airbag warning light                    |
| R167      | 16   | ★     | C-2  | i102          | Instrument panel wiring harness LH                   |
| R168      | 20   | ★     | C-3  |               | Fuse & relay box (F/B)                               |
| R169      | 8    | ★     | B-2  |               | Impact sensor                                        |
| R188      | 2    | ★     | C-4  |               | Power seat LH                                        |
| R211      | 12   | ★     | C-4  |               | TPM control module                                   |
| R226      | 10   | ★     | C-3  |               | Navigation module                                    |

★ : White or natural color

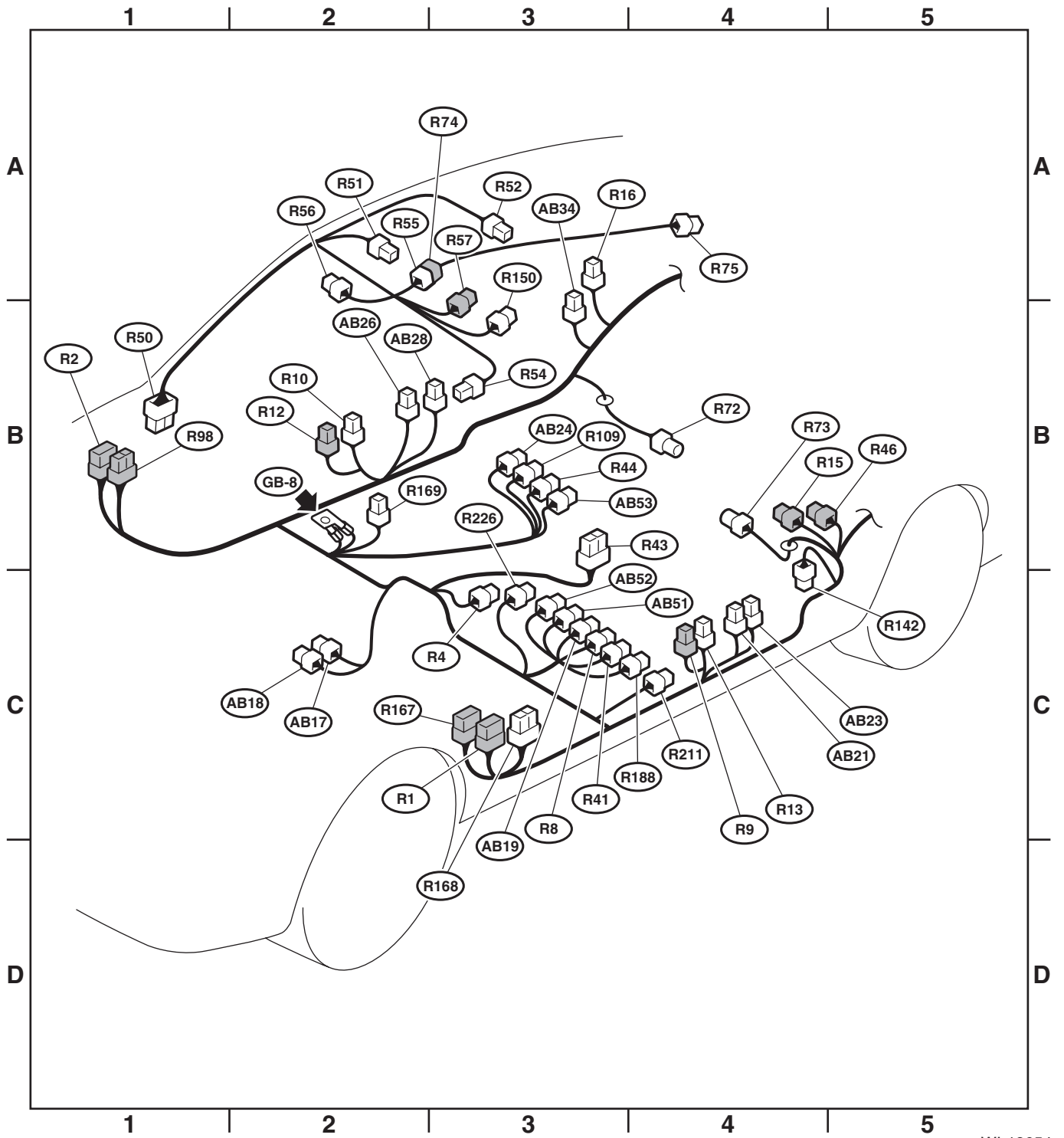
# Rear Wiring Harness

WIRING SYSTEM

| Connector                  |      |        |      | Connecting to |                          |
|----------------------------|------|--------|------|---------------|--------------------------|
| No.                        | Pole | Color  | Area | No.           | Description              |
| AB17                       | 20   | Yellow | C-2  |               | Airbag control module RH |
| AB18                       | 20   | Yellow | C-2  |               | Airbag control module LH |
| AB19                       | 2    | Yellow | C-3  | AB20          | Inflator (Side) LH       |
| AB21                       | 2    | Black  | C-4  |               | Pretensioner LH          |
| AB23                       | 4    | Yellow | C-4  |               | Side airbag sensor LH    |
| AB24                       | 2    | Yellow | B-3  | AB25          | Inflator (Side) RH       |
| AB26                       | 2    | Black  | B-2  |               | Pretensioner RH          |
| AB28                       | 4    | Yellow | B-3  |               | Side airbag sensor RH    |
| AB34                       | 4    | Yellow | B-3  |               | Curtain airbag sensor RH |
| AB51                       | 2    | Yellow | C-3  |               | Buckle switch            |
| AB52                       | 2    | Yellow | C-3  |               | Seat position            |
| ★ : White or natural color |      |        |      |               |                          |

# Rear Wiring Harness

WIRING SYSTEM



WI-18654

## 59. Door Cord

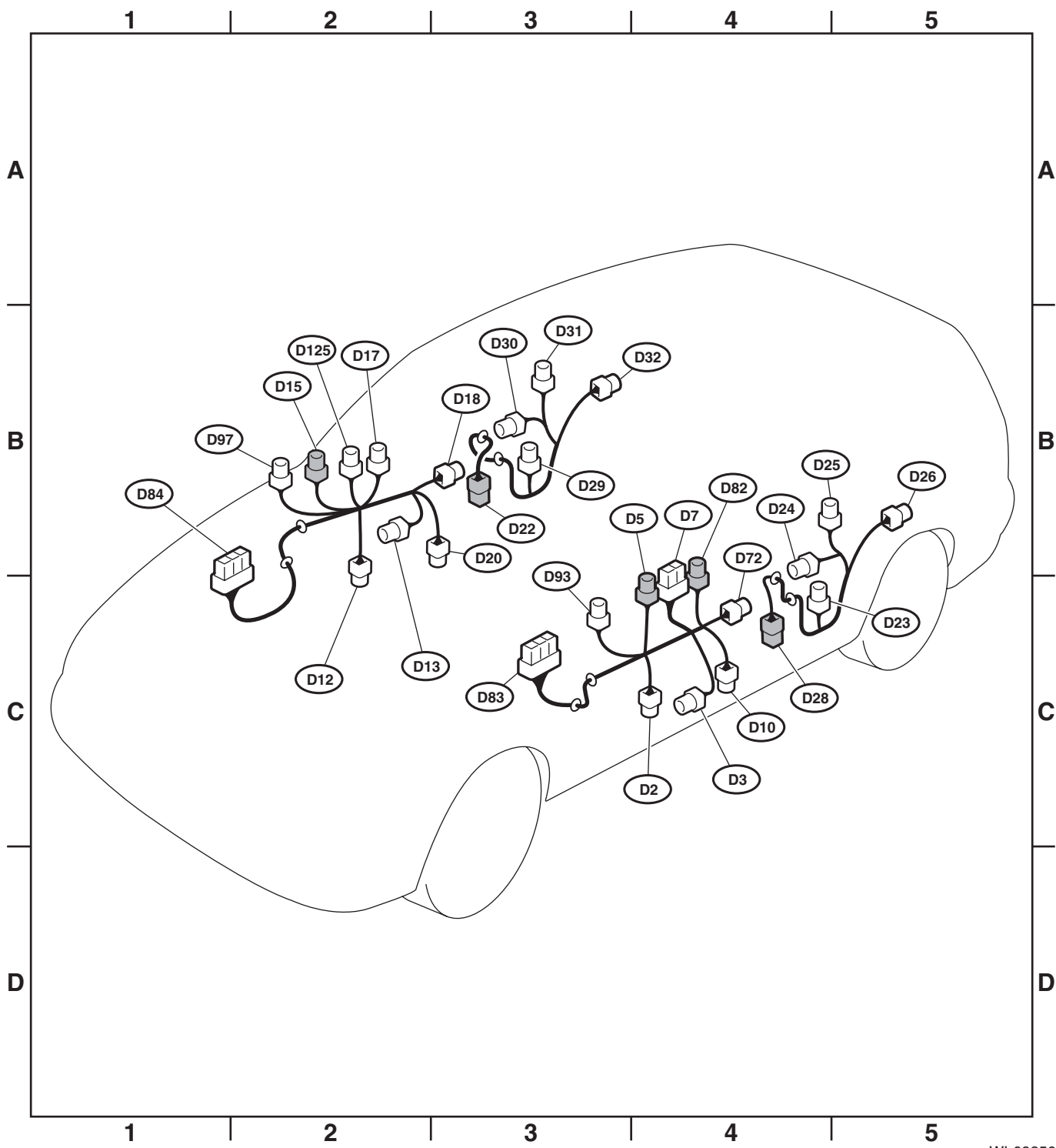
## A: LOCATION

| Connector |      |       |      | Connecting to |                                              |
|-----------|------|-------|------|---------------|----------------------------------------------|
| No.       | Pole | Color | Area | No.           | Description                                  |
| D2        | 2    | ★     | C-4  |               | Front door speaker LH                        |
| D3        | 2    | Gray  | C-4  |               | Front power window motor LH                  |
| D5        | 6    | ★     | B-4  |               | Remote control mirror LH (without side turn) |
|           | 8    |       |      |               | Remote control mirror LH (with side turn)    |
| D7        | 14   | ★     | B-4  |               | Power window main switch                     |
| D10       | 2    | ★     | C-4  |               | Front step light LH                          |
| D12       | 2    | ★     | C-2  |               | Front door speaker RH                        |
| D13       | 2    | Gray  | C-2  |               | Front power window motor RH                  |
| D15       | 6    | ★     | B-2  |               | Remote control mirror RH (without side turn) |
|           | 8    |       |      |               | Remote control mirror RH (with side turn)    |
| 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 RH                       |
| D23       | 2    | Black | C-5  |               | Rear door speaker LH                         |
| D24       | 2    | Green | B-4  |               | Rear power window motor LH                   |
| D25       | 5    | ★     | B-5  |               | Rear power window sub-switch LH              |
| D26       | 2    | Gray  | B-5  |               | Rear door lock actuator LH                   |
| D28       | 8    | ★     | C-4  | R13           | Rear wiring harness LH                       |
| D29       | 2    | Black | B-3  |               | Rear door speaker RH                         |
| D30       | 2    | Green | B-3  |               | Rear power window motor RH                   |
| D31       | 5    | ★     | B-3  |               | Rear power window sub-switch RH              |
| D32       | 2    | Gray  | B-4  |               | Rear door lock actuator RH                   |
| D72       | 2    | Gray  | C-4  |               | Front door lock actuator LH                  |
| D82       | 3    | Brown | C-4  |               | Door key switch                              |
| D83       | 25   | ★     | C-3  | i76           | Instrument panel wiring harness              |
| D84       | 25   | ★     | B-1  | i101          |                                              |
| D93       | 2    | ★     | C-3  |               | Front door tweeter LH                        |
| D97       | 2    | ★     | B-2  |               | Front door tweeter RH                        |
| D125      | 5    | Black | B-2  |               | Passenger's seat door lock switch            |

★ : White or natural color

Door Cord

WIRING SYSTEM



WI-09856

## 60.Rear Wiring Harness and Trunk Lid Cord

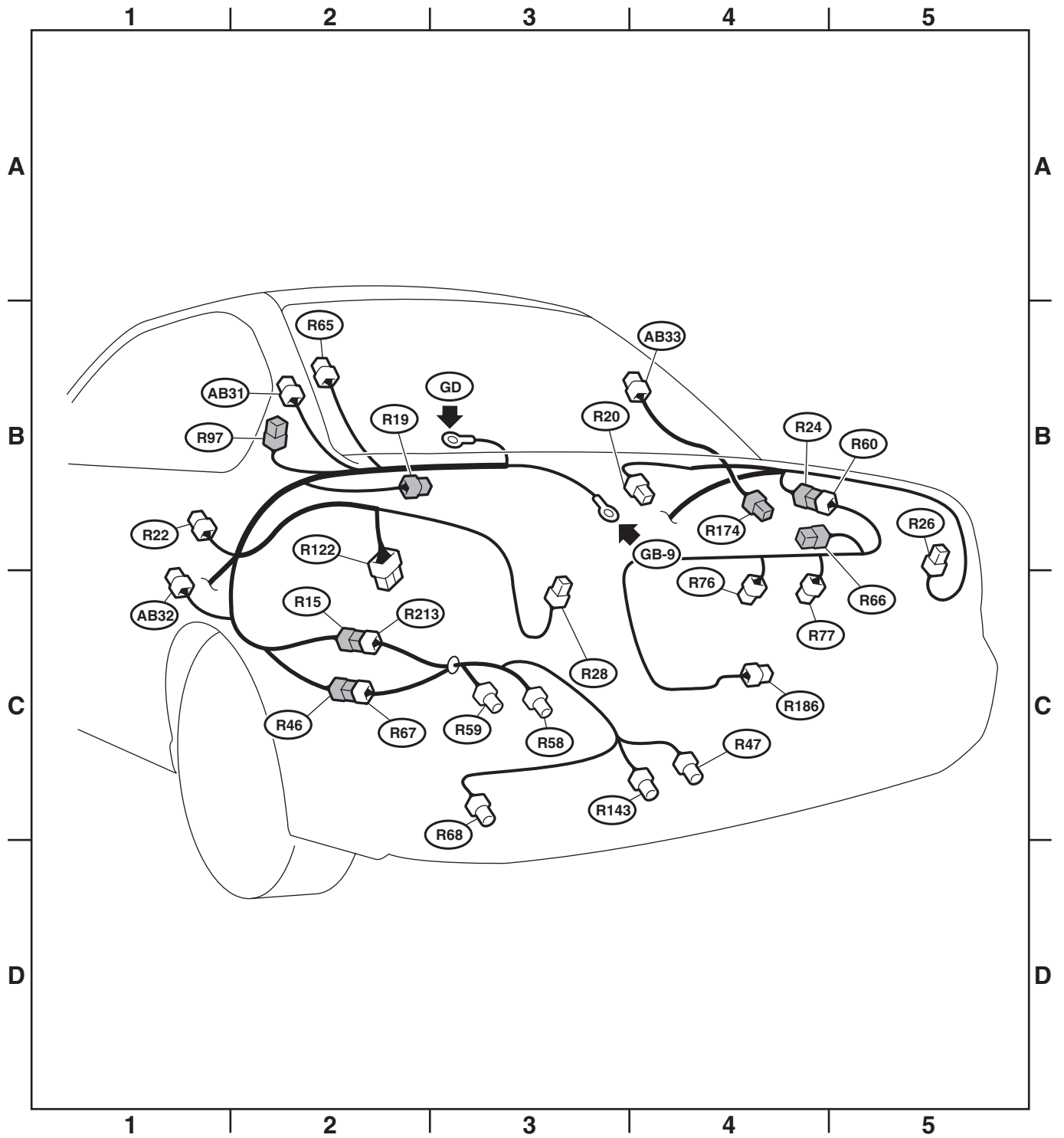
## A: LOCATION

| Connector                  |      |           |      | Connecting to |                                        |
|----------------------------|------|-----------|------|---------------|----------------------------------------|
| No.                        | Pole | Color     | Area | No.           | Description                            |
| R15                        | 8    | ★         | C-2  |               | Fuel cord 1                            |
| R19                        | 2    | ★         | B-2  |               | High-mounted stop light                |
| R20                        | 2    | ★         | B-4  |               | Trunk room light                       |
| R22                        | 3    | ★         | B-1  |               | Rear door switch LH                    |
| R24                        | 8    | ★         | B-4  | R60           | Trunk lid cord                         |
| R26                        | 6    | ★         | B-5  |               | Rear combination light RH              |
| R28                        | 6    | ★         | C-3  |               | Rear combination light LH              |
| R46                        | 6    | ★         | C-2  | R67           | Fuel cord 2                            |
| R47                        | 3    | Black     | C-4  |               | Fuel tank pressure sensor              |
| R58                        | 6    | Gray      | C-3  |               | Fuel pump assembly                     |
| R59                        | 2    | ★         | C-3  |               | Fuel gauge sub unit                    |
| R60                        | 8    | ★         | B-4  | R24           | Rear wiring harness                    |
| R65                        | 1    | ★         | B-2  |               | Rear defogger                          |
| R66                        | 2    | ★         | B-4  |               | High-mounted stop light (Rear spoiler) |
| R67                        | 6    | ★         | C-2  | R46           | Rear wiring harness                    |
| R68                        | 2    | Dark gray | C-3  |               | Pressure control solenoid valve        |
| R76                        | 2    | ★         | C-4  |               | License plate light LH                 |
| R77                        | 2    | ★         | C-4  |               | License plate light RH                 |
| R97                        | 1    | ★         | B-2  |               | Radio antenna                          |
| R122                       | 10   | ★         | C-2  |               | Fuel pump control unit                 |
| R143                       | 2    | Gray      | C-4  |               | Drain valve                            |
| R174                       | 1    | ★         | B-4  |               | Noise filter                           |
| R186                       | 3    | ★         | C-4  |               | Trunk lid actuator                     |
| R213                       | 8    | ★         | C-2  |               | Rear wiring harness                    |
| ★ : White or natural color |      |           |      |               |                                        |

| Connector                  |      |        |      | Connecting to |                          |
|----------------------------|------|--------|------|---------------|--------------------------|
| No.                        | Pole | Color  | Area | No.           | Description              |
| AB31                       | 2    | Yellow | B-2  | AB39          | Inflator (Curtain) LH    |
| AB32                       | 4    | Yellow | C-1  |               | Curtain airbag sensor LH |
| AB33                       | 2    | Yellow | B-4  | AB40          | Inflator (Curtain) RH    |
| ★ : White or natural color |      |        |      |               |                          |

# Rear Wiring Harness and Trunk Lid Cord

WIRING SYSTEM



WI-09857

## 61.Rear Wiring Harness and Rear Gate Cord

### A: LOCATION

| Connector                  |      |           |      | Connecting to |                                 |
|----------------------------|------|-----------|------|---------------|---------------------------------|
| No.                        | Pole | Color     | Area | No.           | Description                     |
| R15                        | 8    | ★         | C-1  | R213          | Fuel cord 1                     |
| R22                        | 3    | ★         | C-1  |               | Rear door switch LH             |
| R26                        | 4    | ★         | C-4  |               | 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-5  | D34           |                                 |
| R39                        | 10   | ★         | C-5  | D35           |                                 |
| R46                        | 6    | ★         | D-1  | R67           | Fuel cord 2                     |
| R47                        | 3    | Black     | C-4  |               | Fuel tank pressure sensor       |
| R58                        | 6    | Gray      | D-2  |               | Fuel pump assembly              |
| R59                        | 2    | ★         | D-2  |               | Fuel gauge sub unit             |
| R67                        | 6    | ★         | D-2  | R46           | Rear wiring harness             |
| R68                        | 2    | Dark gray | D-3  |               | Pressure control solenoid valve |
| R79                        | 6    | ★         | B-2  |               | Trailer connector               |
| R97                        | 1    | ★         | B-2  |               | Antenna amplifier               |
| R117                       | 2    | ★         | C-3  |               | Woofer                          |
| R122                       | 10   | Black     | C-2  |               | Fuel pump control unit          |
| R143                       | 2    | Gray      | C-4  |               | Fuel tank sensor control valve  |
| R213                       | 8    | ★         | C-1  | R15           | Rear wiring harness             |
| ★ : White or natural color |      |           |      |               |                                 |

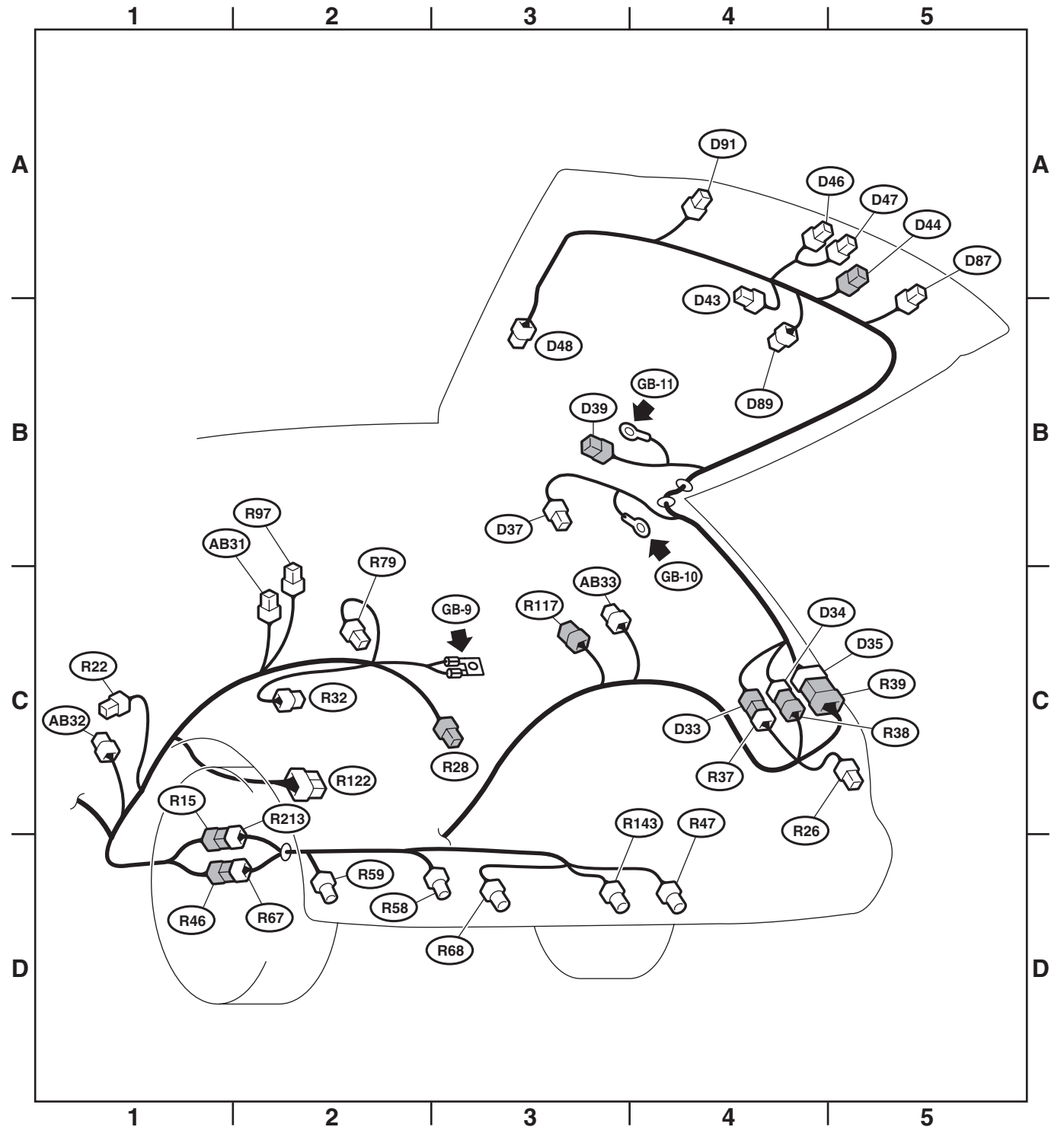
| Connector                  |      |       |      | Connecting to |                         |
|----------------------------|------|-------|------|---------------|-------------------------|
| No.                        | Pole | Color | Area | No.           | Description             |
| D33                        | 3    | ★     | C-4  | R37           | Rear wiring harness     |
| D34                        | 8    | ★     | C-4  | R38           |                         |
| D35                        | 10   | ★     | C-5  | R39           |                         |
| D37                        | 3    | ★     | B-3  |               | Luggage room light      |
| D39                        | 2    | ★     | B-3  |               | High-mounted stop light |
| D43                        | 4    | ★     | B-4  |               | Rear wiper motor        |
| D44                        | 2    | ★     | A-5  |               | License plate light     |
| D46                        | 2    | Black | A-4  |               | Rear gate latch switch  |
| D47                        | 2    | Gray  | A-5  |               | Rear gate lock actuator |
| D48                        | 1    | Black | B-3  |               | Rear defogger           |
| D87                        | 2    | ★     | A-5  |               | Back-up light RH        |
| D89                        | 1    | ★     | B-4  |               | Noise filter            |
| D91                        | 2    | ★     | A-4  |               | Back-up light LH        |
| ★ : White or natural color |      |       |      |               |                         |

# Rear Wiring Harness and Rear Gate Cord

## WIRING SYSTEM

| Connector |      |        |      | Connecting to |                          |
|-----------|------|--------|------|---------------|--------------------------|
| No.       | Pole | Color  | Area | No.           | Description              |
| AB31      | 2    | Yellow | B-1  | AB39          | Inflator (Curtain) LH    |
| AB32      | 4    | Yellow | C-1  |               | Curtain airbag sensor LH |
| AB33      | 2    | Yellow | C-3  | AB40          | Inflator (Curtain) RH    |

★ : White or natural color

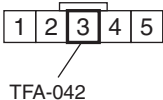
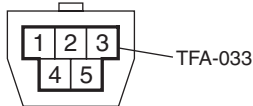
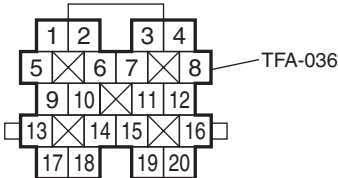


WI-09858

## 62.Harness Repair Kit

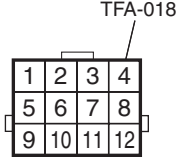
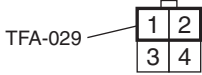
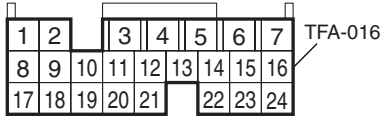
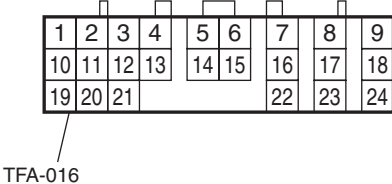
### A: SPECIFICATION

#### 1. ADAPTATION TABLE

| Connector No. | Adaptive repair kit                                                                                 | Terminal No. | Harness repair kit No. |
|---------------|-----------------------------------------------------------------------------------------------------|--------------|------------------------|
| B3            |  <p>WI-04674</p>   | 3            | TFA-042                |
| B6            |  <p>WI-04675</p>   | ALL          | TFA-021                |
| B8            |  <p>WI-04676</p> | ALL          | TFA-033                |
| B11           |  <p>WI-04677</p> | ALL          | TFA-036                |

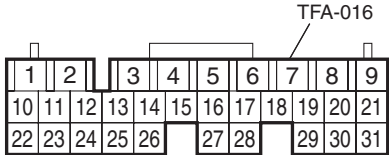
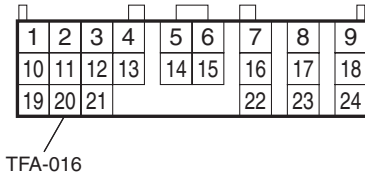
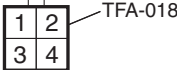
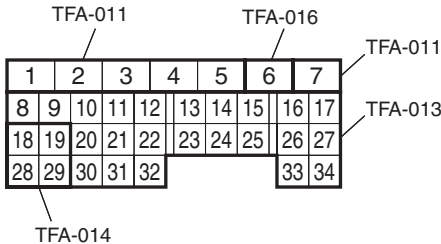
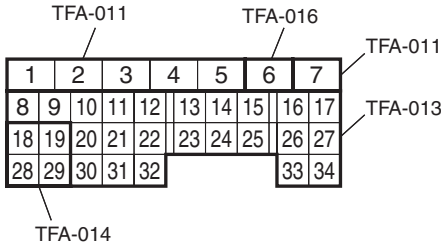
# Harness Repair Kit

## WIRING SYSTEM

| Connector No.                                           | Adaptive repair kit                                                                             | Terminal No. | Harness repair kit No. |
|---------------------------------------------------------|-------------------------------------------------------------------------------------------------|--------------|------------------------|
| B12<br>(2.5 L non-turbo and 2.5 L non-turbo (U5) model) | <br>WI-11984   | 1 — 12       | TFA-018                |
| B15                                                     | <br>WI-04675   | ALL          | TFA-021                |
| B19<br>(2.5 L turbo model)                              | <br>WI-04682 | 1, 2         | TFA-029                |
| B54<br>(4AT model)                                      | <br>WI-11985 | 1 — 24       | TFA-016                |
| B54<br>(5AT model)                                      | <br>WI-04684 | ALL          | TFA-016                |

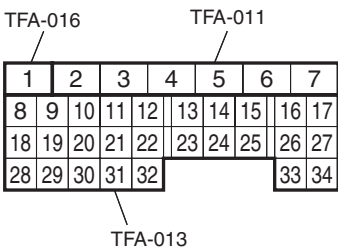
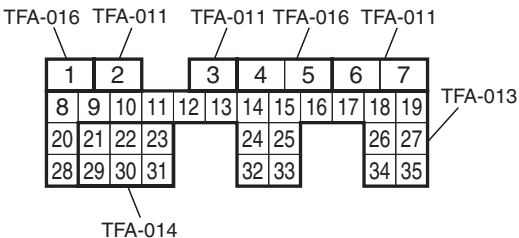
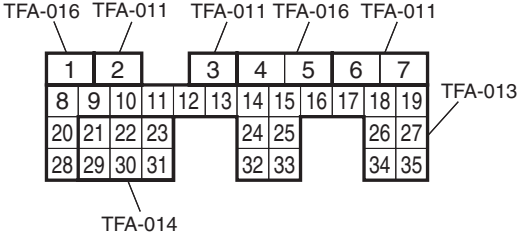
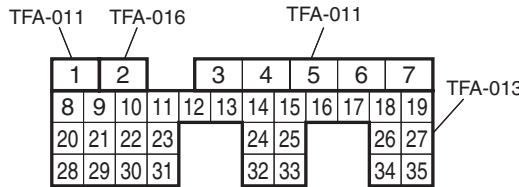
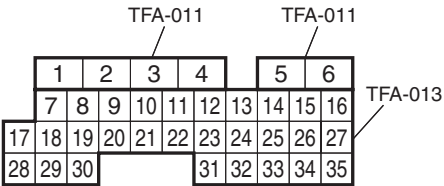
# Harness Repair Kit

## WIRING SYSTEM

| Connector No.                                            | Adaptive repair kit                                                                                 | Terminal No.             | Harness repair kit No. |
|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------|--------------------------|------------------------|
| B55<br>(4AT model)                                       |  <p>WI-11986</p>   | 1 — 31                   | TFA-016                |
| B55<br>(5AT model)                                       |  <p>WI-11987</p>   | 1 — 24                   | TFA-016                |
| B128                                                     |  <p>WI-11988</p> | ALL                      | TFA-018                |
| B134<br>(2.5 L non-turbo and 2.5 L non-turbo (U5) model) |  <p>WI-11989</p> | 1 — 5, 7                 | TFA-011                |
|                                                          |                                                                                                     | 8 — 17, 20 — 27, 30 — 34 | TFA-013                |
|                                                          |                                                                                                     | 18, 19, 28, 29           | TFA-014                |
|                                                          |                                                                                                     | 6                        | TFA-016                |
| B134<br>(3.0 L model)                                    |  <p>WI-11989</p> | 1 — 5, 7                 | TFA-011                |
|                                                          |                                                                                                     | 8 — 17, 20 — 27, 30 — 34 | TFA-013                |
|                                                          |                                                                                                     | 18, 19, 28, 29           | TFA-014                |
|                                                          |                                                                                                     | 6                        | TFA-016                |

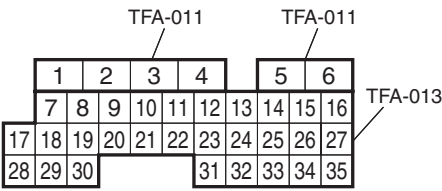
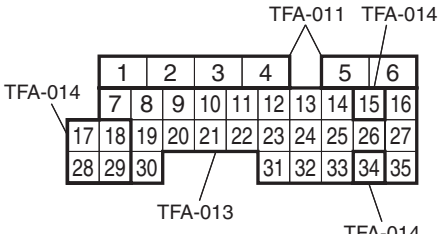
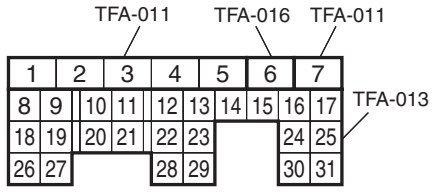
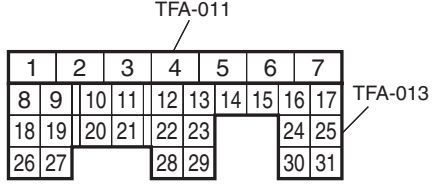
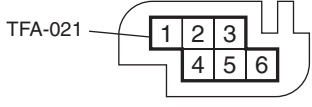
# Harness Repair Kit

## WIRING SYSTEM

| Connector No.                                            | Adaptive repair kit                                                                                 | Terminal No.             | Harness repair kit No. |
|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------|--------------------------|------------------------|
| B134<br>(2.5 L turbo model)                              |  <p>WI-11990</p>   | 2 — 7                    | TFA-011                |
|                                                          |                                                                                                     | 8 — 34                   | TFA-013                |
|                                                          |                                                                                                     | 1                        | TFA-016                |
| B135<br>(2.5 L non-turbo and 2.5 L non-turbo (U5) model) |  <p>WI-11991</p>   | 2, 3, 6, 7               | TFA-011                |
|                                                          |                                                                                                     | 8 — 20, 24 — 28, 32 — 35 | TFA-013                |
|                                                          |                                                                                                     | 21 — 23, 29 — 31         | TFA-014                |
|                                                          |                                                                                                     | 1, 4, 6                  | TFA-016                |
| B135<br>(3.0 L model)                                    |  <p>WI-11991</p>  | 2, 3, 6, 7               | TFA-011                |
|                                                          |                                                                                                     | 8 — 20, 24 — 28, 32 — 35 | TFA-013                |
|                                                          |                                                                                                     | 21 — 23, 29 — 31         | TFA-014                |
|                                                          |                                                                                                     | 1, 4, 5                  | TFA-016                |
| B135<br>(2.5 L turbo model)                              |  <p>WI-11992</p> | 1, 3 — 7                 | TFA-011                |
|                                                          |                                                                                                     | 8 — 35                   | TFA-013                |
|                                                          |                                                                                                     | 2                        | TFA-016                |
| B136<br>(2.5 L non-turbo and 2.5 L non-turbo (U5) model) |  <p>WI-11993</p> | 1 — 6                    | TFA-011                |
|                                                          |                                                                                                     | 7 — 35                   | TFA-013                |

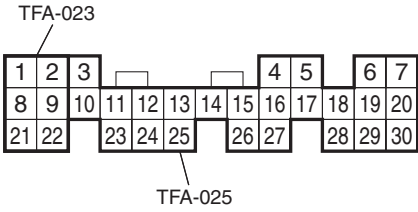
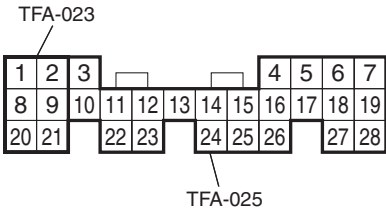
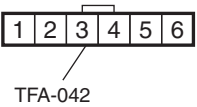
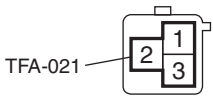
# Harness Repair Kit

## WIRING SYSTEM

| Connector No.                                            | Adaptive repair kit                                                                                 | Terminal No.                     | Harness repair kit No. |
|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------|----------------------------------|------------------------|
| B136<br>(3.0 L model)                                    |  <p>WI-11993</p>   | 1 — 6                            | TFA-011                |
|                                                          |                                                                                                     | 7 — 35                           | TFA-013                |
| B136<br>(2.5 L turbo model)                              |  <p>WI-11994</p>   | 1 — 6                            | TFA-011                |
|                                                          |                                                                                                     | 7 — 14, 16, 19 — 27, 30 — 33, 35 | TFA-013                |
| B137<br>(3.0 L model)                                    |  <p>WI-11995</p>  | 1, 5 — 7                         | TFA-011                |
|                                                          |                                                                                                     | 8 — 31                           | TFA-013                |
| B137<br>(2.5 L non-turbo and 2.5 L non-turbo (U5) model) |  <p>WI-11996</p> | 6                                | TFA-016                |
| B137<br>(2.5 L turbo model)                              |                                                                                                     | 1 — 7                            | TFA-011                |
| B230<br>(3.0 L model)                                    |  <p>WI-04700</p> | 8 — 31                           | TFA-013                |
|                                                          |                                                                                                     | ALL                              | TFA-021                |

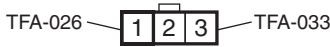
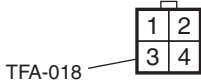
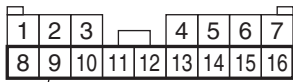
# Harness Repair Kit

## WIRING SYSTEM

| Connector No.         | Adaptive repair kit                                                                                 | Terminal No.               | Harness repair kit No. |
|-----------------------|-----------------------------------------------------------------------------------------------------|----------------------------|------------------------|
| B280                  |  <p>WI-11997</p>   | 1, 2, 8, 9, 21, 22         | TFA-023                |
|                       |                                                                                                     | 3 — 7, 10 — 20,<br>23 — 30 | TFA-025                |
| B281                  |  <p>WI-11998</p>   | 1, 2, 8, 9, 20, 21         | TFA-023                |
|                       |                                                                                                     | 3 — 28                     | TFA-025                |
| B292                  |  <p>WI-04703</p> | ALL                        | TFA-012                |
| B315                  |  <p>WI-07643</p> | ALL                        | TFA-042                |
| B348<br>(3.0 L model) |  <p>WI-07644</p> | ALL                        | TFA-021                |

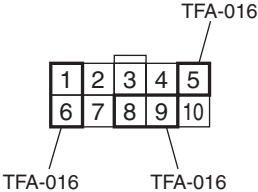
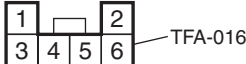
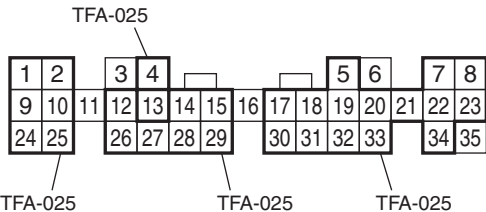
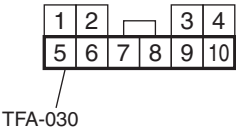
# Harness Repair Kit

WIRING SYSTEM

| Connector No.               | Adaptive repair kit                                                                                 | Terminal No. | Harness repair kit No. |
|-----------------------------|-----------------------------------------------------------------------------------------------------|--------------|------------------------|
| B350                        |  <p>WI-04705</p>   | ALL          | TFA-016                |
| B351                        |  <p>WI-04707</p>   | ALL          | TFA-012                |
| B359                        |  <p>WI-04708</p> | 1            | TFA-026                |
|                             |                                                                                                     | 2, 3         | TFA-033                |
| B391<br>(2.5 L turbo model) |  <p>WI-06096</p> | ALL          | TFA-018                |
| j6                          |  <p>WI-07648</p> | 8 — 16       | TFA-016                |

# Harness Repair Kit

## WIRING SYSTEM

| Connector No.                            | Adaptive repair kit                                                                                                                              | Terminal No.                                  | Harness repair kit No. |
|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|------------------------|
| j26                                      |  <p>TFA-012</p> <p>WI-04712</p>                                 | 1 — 5, 7 — 10,<br>12 — 14                     | TFA-012                |
| j59                                      |  <p>TFA-016</p> <p>TFA-016</p> <p>TFA-016</p> <p>WI-07650</p>   | 1, 5, 6, 8, 9                                 | TFA-016                |
| j79                                      |  <p>TFA-016</p> <p>WI-04715</p>                               | ALL                                           | TFA-016                |
| j84                                      |  <p>TFA-025</p> <p>TFA-025</p> <p>TFA-025</p> <p>WI-07652</p> | 1, 2, 4, 5, 7 —<br>10, 12, 14, 15,<br>17 — 34 | TFA-025                |
| R122<br>(3.0 L and 2.5 L turbo<br>model) |  <p>TFA-030</p> <p>WI-07654</p>                               | 5 — 10                                        | TFA-030                |