

### 1. Basic Diagnostic Procedure

#### A: BASIC PROCEDURES

##### 1. GENERAL DESCRIPTION

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

##### 2. IDENTIFICATION OF TROUBLE SYMPTOM

Determine what the problem is based on the symptom.

##### 3. PROBABLE CAUSE OF TROUBLE

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

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

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

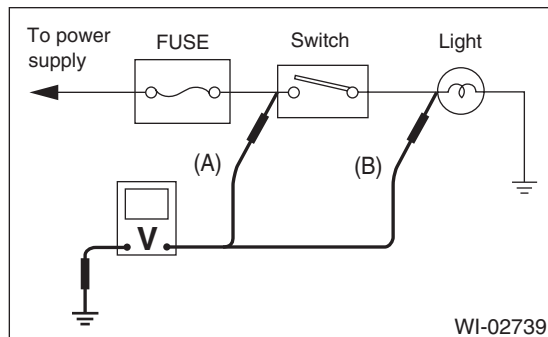
##### 5. SYSTEM OPERATION CHECK

After repairing, ensure that the system operates properly.

#### B: BASIC INSPECTION

##### 1. VOLTAGE MEASUREMENT

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



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

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

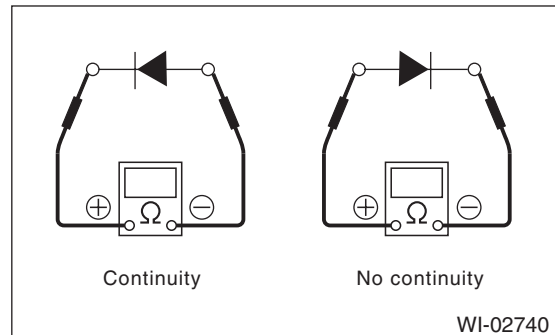
##### 2. CIRCUIT CONTINUITY CHECKS

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

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

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

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



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

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

WI-02741

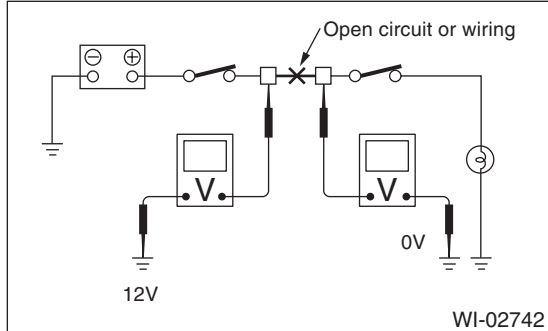
# Basic Diagnostic Procedure

## WIRING SYSTEM

### 3. HOW TO DETERMINE AN OPEN CIRCUIT

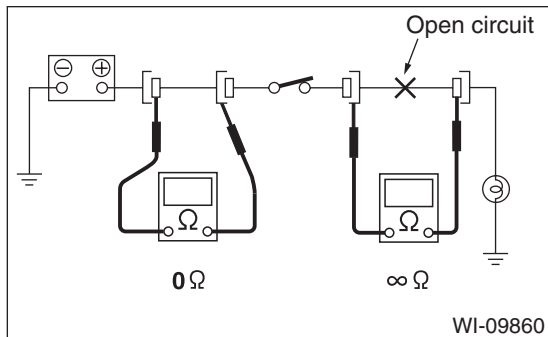
#### 1) With voltmeter:

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



#### 2) With ohmmeter:

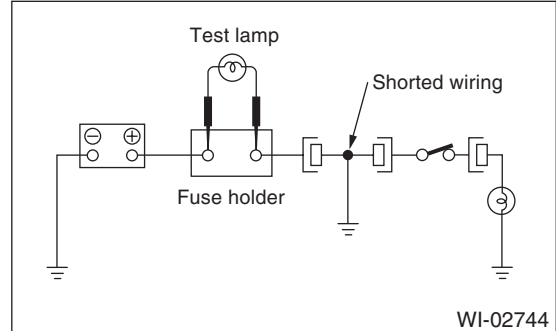
Disconnect all connectors affected, and check continuity in the wiring between adjacent connectors. When the ohmmeter indicates "infinite", the wiring is open.



### 4. HOW TO DETERMINE A SHORT CIRCUIT

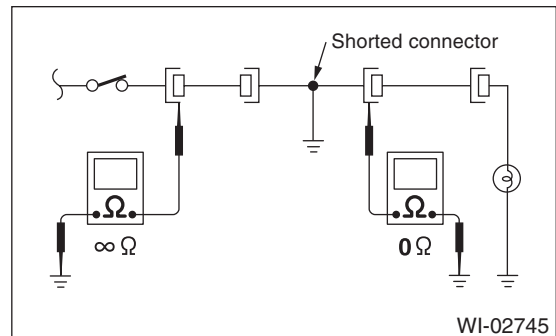
#### 1) With test light:

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



#### 2) With ohmmeter:

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



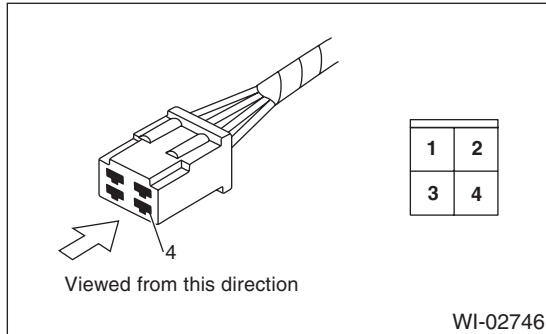
### C: HOW TO READ WIRING DIAGRAMS

#### 1. WIRING DIAGRAM

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

Sketches and codes are used in the diagrams. They should read as follows:

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



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

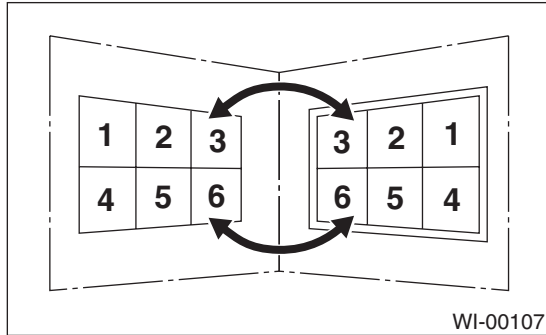
| Connector used in vehicle | Connector shown in wiring diagram                                                               |        |                                                   |
|---------------------------|-------------------------------------------------------------------------------------------------|--------|---------------------------------------------------|
|                           | Sketch                                                                                          | Symbol | Number of poles                                   |
|                           | <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  |

WI-02747

# Basic Diagnostic Procedure

## WIRING SYSTEM

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



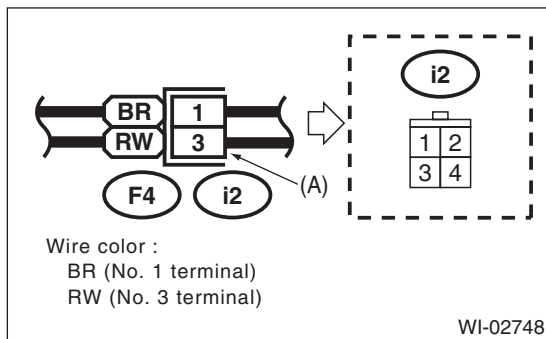
### • WIRING DIAGRAM:

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

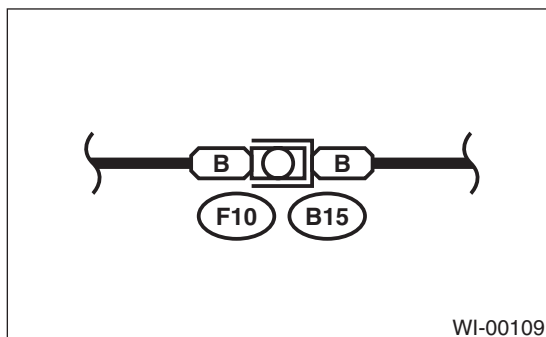
- The sketch of each connector in the wiring diagram usually shows the (A) side of the connector. The relationship between the wire color, terminal number and connector is described in the figure.

### NOTE:

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

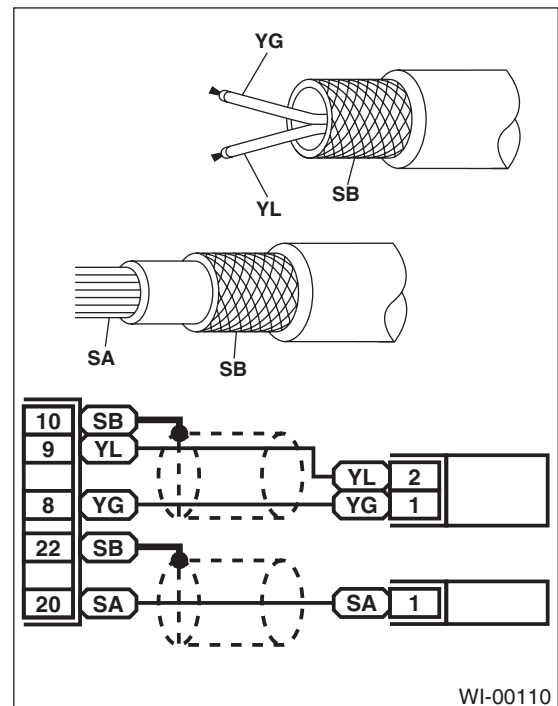


- In the wiring diagram, connectors which have no terminal number refer to one-pole types. Sketches of these connectors are omitted intentionally.

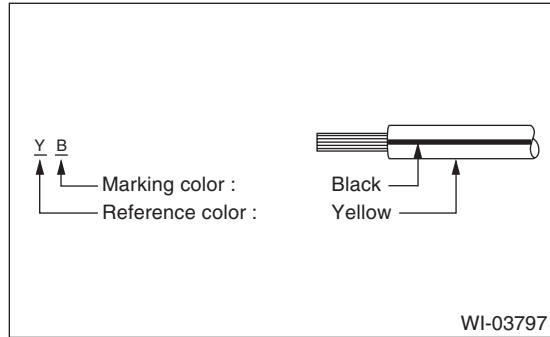


- The following color codes are used to indicate the colors of the wires.

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

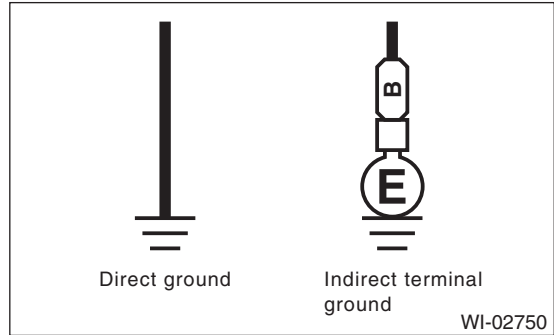
**When replacing or repairing a wire, be sure to use the same size and type of the wire which was originally used.**

### 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                                         |

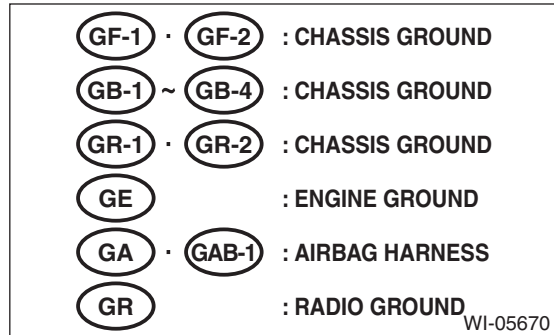
- Each unit is either directly grounded to the body or indirectly grounds through a harness ground terminal. Different symbols are used in the wiring diagram to identify the two grounding systems.



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

### NOTE:

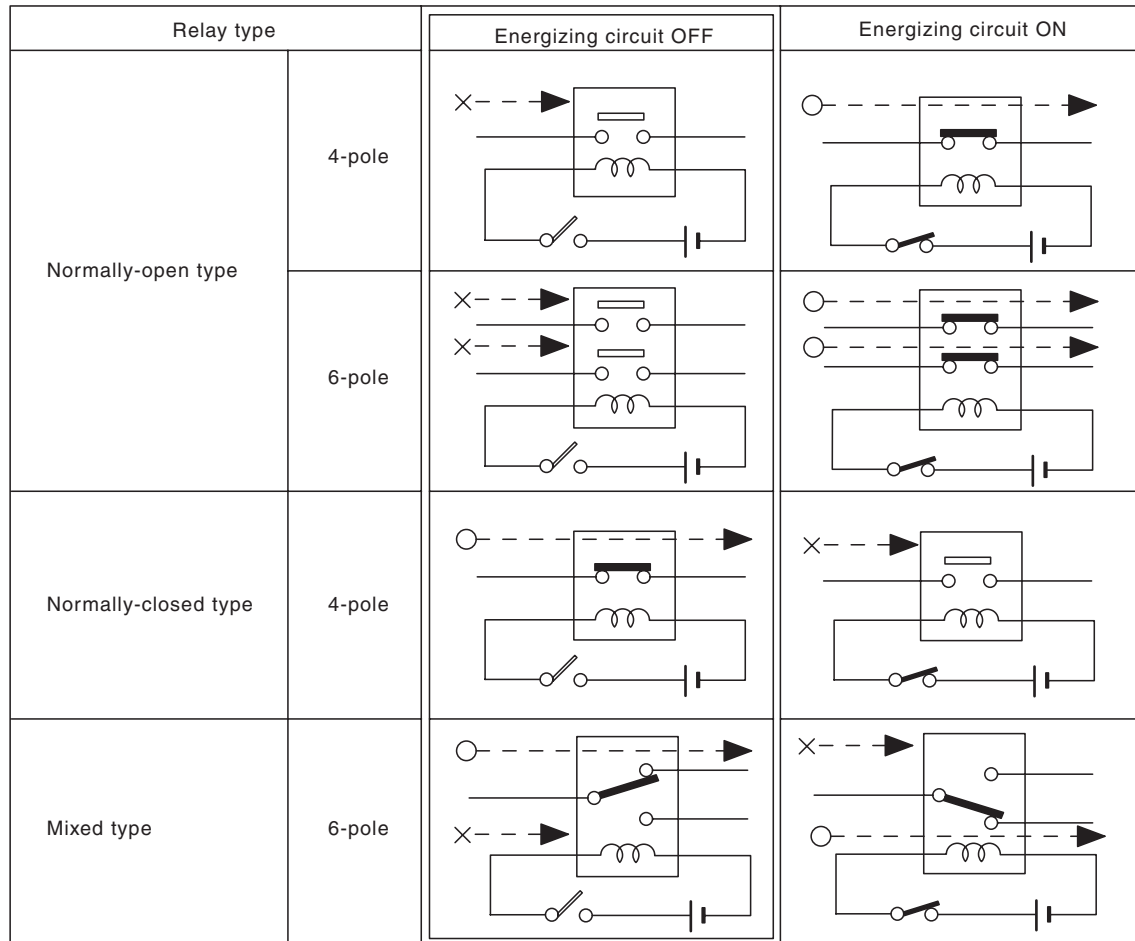
All wiring harnesses are provided with a ground point which should be securely connected.



# 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:

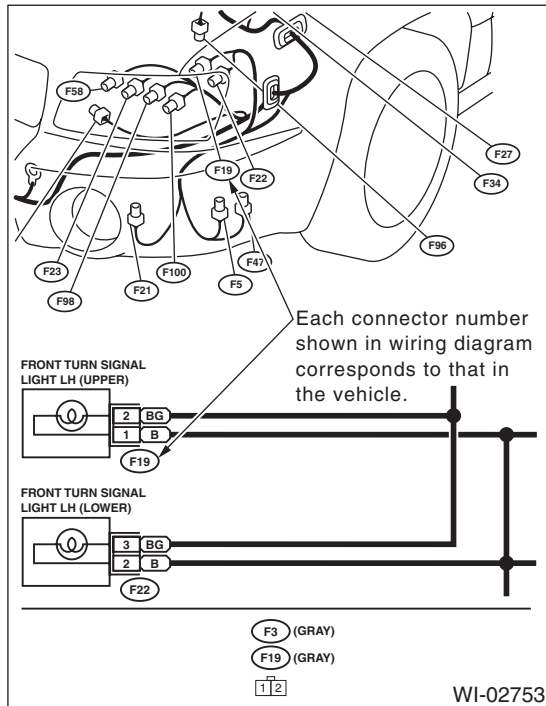
○ —▶ : Current flows.

× —▶ : Current does not flow.

WI-02752

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

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

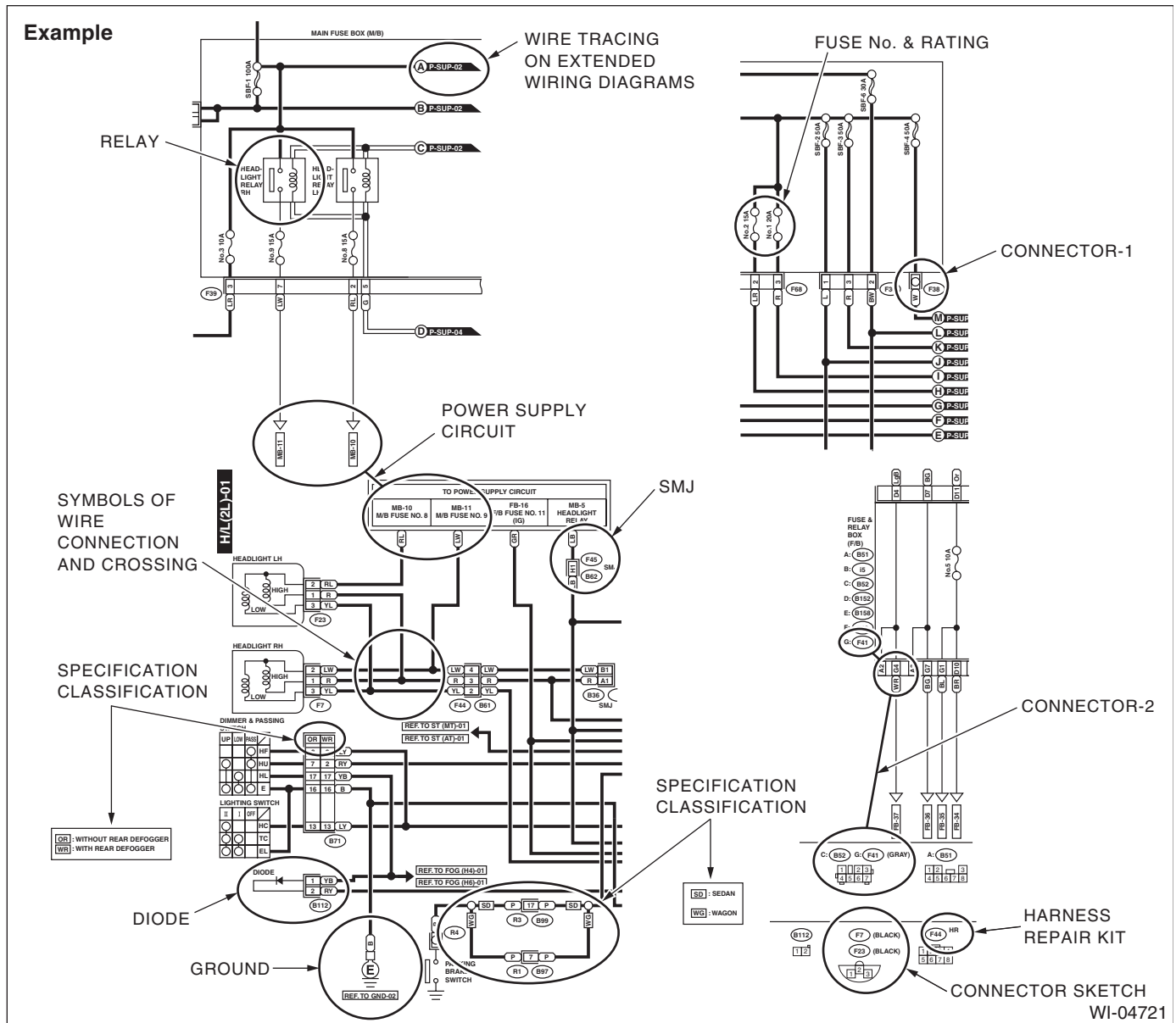


# Basic Diagnostic Procedure

## WIRING SYSTEM

### D: SYMBOLS IN WIRING DIAGRAMS

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





### 1. RELAY

A symbol used to indicate a relay.

### 2. CONNECTOR 1

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

### 3. WIRING CONNECTION

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

### 4. FUSE NO. & RATING

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

### 5. CONNECTOR 2

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

### 6. CONNECTOR SKETCH

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

### 7. GROUND

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

### 8. DIODE

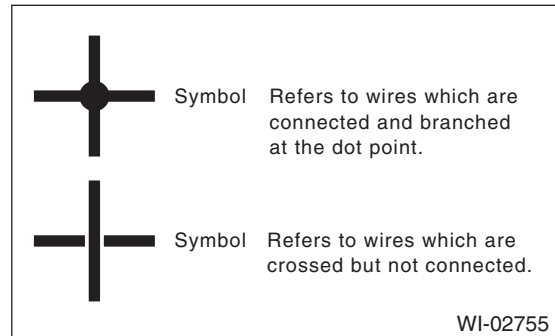
A symbol is used to indicate a diode.

### 9. WIRE TRACING ON EXTENDED WIRING DIAGRAMS

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

A ↔ A, B ↔ B

### 10. SYMBOLS OF WIRE CONNECTION AND CROSSING



### 11. POWER SUPPLY ROUTING

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 "POWER SUPPLY ROUTING" in the wiring diagram.

Accordingly, using "POWER SUPPLY ROUTING" 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.
- For V.I.N., refer to the ID section. <Ref. to ID-2, IDENTIFICATION NUMBER AND LABEL LOCATIONS, IDENTIFICATION, Identification.>

### 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-184, SPECIFICATION, Harness Repair Kit.>

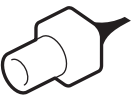
# Basic Diagnostic Procedure

## 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                                                              |                                                                                     |                                                                                       |
|  |  |  |
|  |  |  |

WI-02756

### F: ABBREVIATION IN WIRING DIAGRAMS

| Abbr.  | Full name                                                 |
|--------|-----------------------------------------------------------|
| A/B    | Airbag                                                    |
| A/C    | Air Conditioner                                           |
| A/F    | Air/Fuel (Air fuel ratio sensor)                          |
| ABS    | Antilock Brake System                                     |
| ABSCM  | Antilock Brake System Control Module                      |
| ACC    | Accessory                                                 |
| AT     | Automatic Transmission                                    |
| ATF    | Automatic Transmission Fluid                              |
| AUX    | Auxiliary Audio Input Terminal                            |
| AVCS   | Active Valve Control System                               |
| AWD    | All Wheel Drive                                           |
| B      | Battery                                                   |
| CAN    | Controller Area Network                                   |
| COM    | Computer                                                  |
| CPC    | Canister Purge Control                                    |
| CPU    | Central Integrated Circuit                                |
| D      | Drive Range or Down                                       |
| E      | Ground                                                    |
| EBD    | Electric Brake Distribution                               |
| ECM    | Engine Control Module                                     |
| EEPROM | Electronically Erasable and Programmable Read Only Memory |
| EGI    | Electric Gasoline Injection                               |
| EGR    | Exhaust Gas Recirculation                                 |
| ELR    | Emergency Locking Retractor                               |
| F/B    | Fuse & Relay Box                                          |
| FL     | Front Left Hand                                           |
| FLD    | Front Left Down                                           |
| FLU    | Front Left Up                                             |
| FR     | Front Right Hand                                          |
| FRD    | Front Right Down                                          |
| FRU    | Front Right Up                                            |
| FWD    | Front Wheel Drive                                         |
| GND    | Ground                                                    |
| H/L    | Headlight                                                 |
| HI     | High                                                      |
| HID    | High Intensity Discharge                                  |
| I/F    | Interface                                                 |
| IG     | Ignition                                                  |
| INT    | Intermittent                                              |
| LCD    | Liquid Crystal Display                                    |
| LH     | Left Hand                                                 |
| LO     | Low                                                       |
| M      | Motor                                                     |
| M/B    | Main Fuse Box                                             |
| MT     | Manual Transmission                                       |
| N      | Neutral Range                                             |
| NA     | Natural Aspiration                                        |

| Abbr.  | Full name              |
|--------|------------------------|
| OP     | Optional Parts or Open |
| P      | Parking Range          |
| PASS   | Passing                |
| PCV    | Purge Control Valve    |
| P-VIGN | P-V Ignition Relay     |
| R      | Reverse Range          |
| RH     | Right Hand             |
| RL     | Rear Left              |
| RLD    | Rear Left Down         |
| RLU    | Rear Left Up           |
| RR     | Rear Right             |
| RRD    | Rear Right Down        |
| RRU    | Rear Right Up          |
| SBF    | Slow Blow Fuse         |
| ST     | Starter                |
| TCM    | AT Control Module      |
| TGV    | Tumble Generator Valve |
| U      | Up                     |
| WASH   | Washer                 |

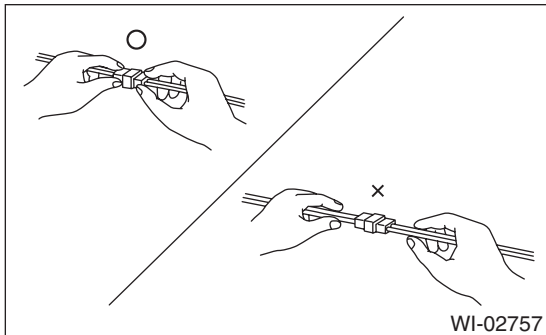
## 2. Working Precautions

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

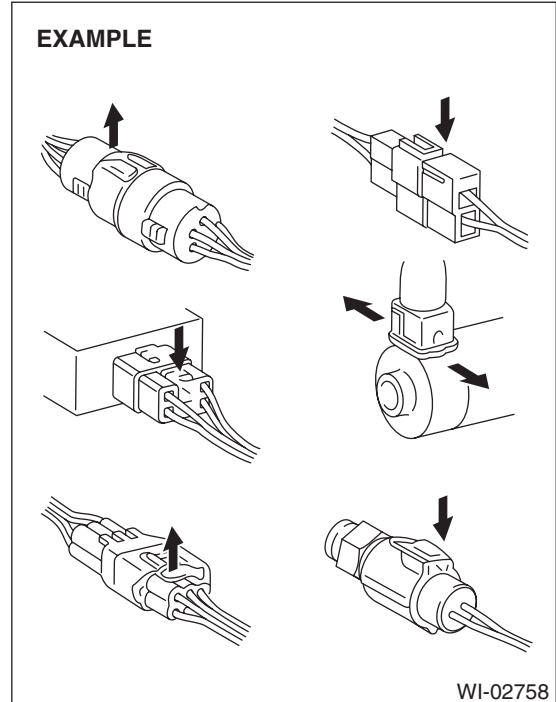
- 1) When working under a vehicle which is jacked-up, always be sure to use rigid rack.
- 2) The parking brake must always be applied during working. Also, in automatic transmission vehicles, keep the select lever set to the P (Parking) range.
- 3) Be sure the workshop is properly ventilated when running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

### B: PRECAUTIONS IN TROUBLE DIAGNOSIS AND REPAIR OF ELECTRIC PARTS

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

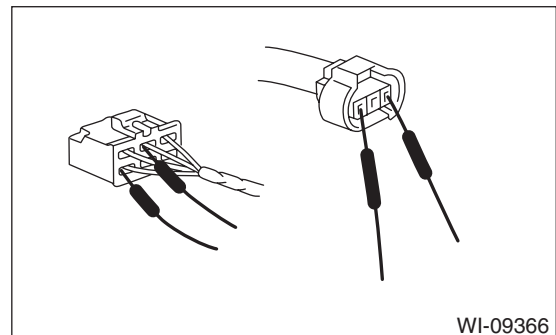


- 5) Some connectors are provided with a lock. One type of such a connector is disconnected by pushing the lock, and the other, by moving the lock up. In either type the lock shape must be identified before attempting to disconnect the connector. To connect, insert the connector until it snaps and confirm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



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

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



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

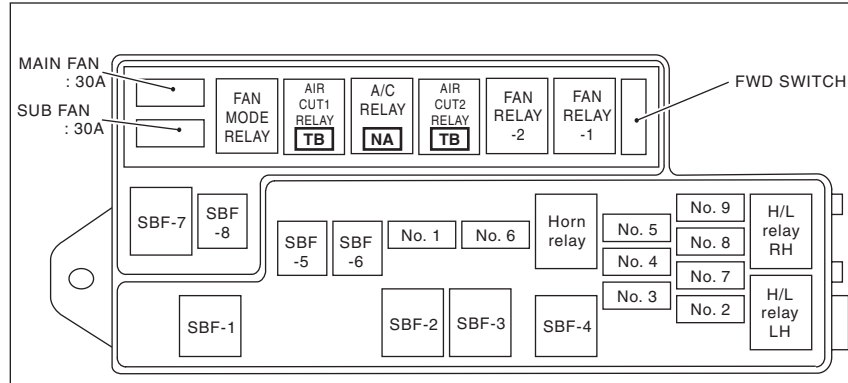
## 3. Power Supply Circuit

### A: WIRING DIAGRAM

P-SUP-01

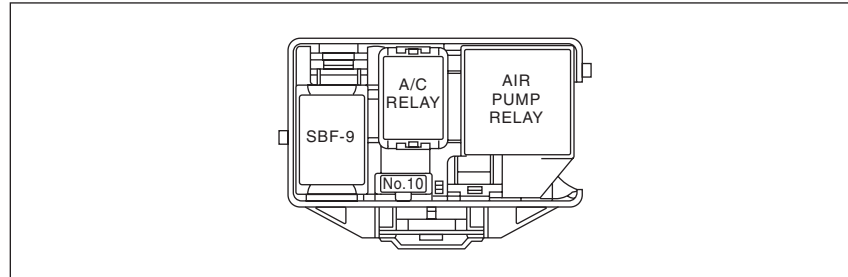
P-SUP-01

MAIN FUSE BOX (M/B)

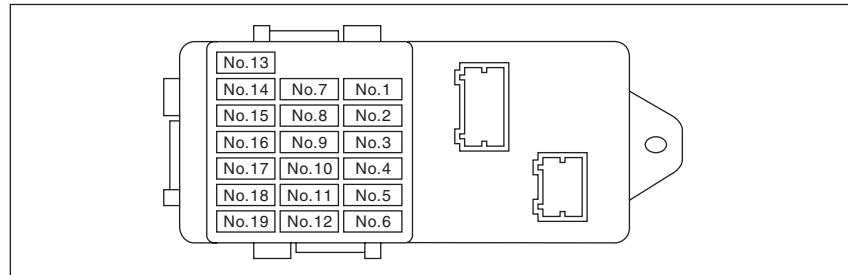


NA : NON-TURBO MODEL  
TB : TURBO MODEL

SECONDARY AIR FUSE BOX (TURBO MODEL)

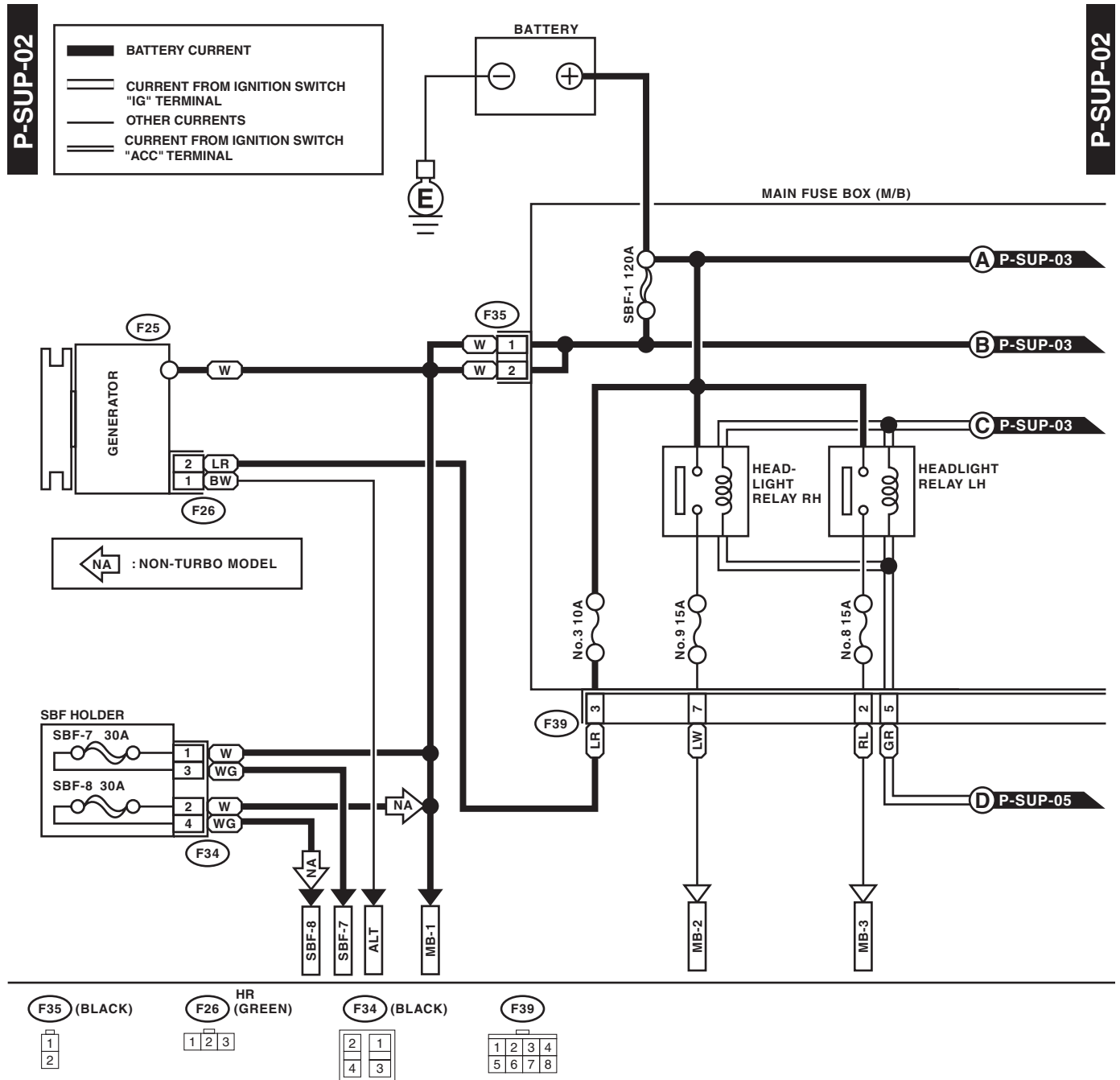


FUSE & BOX (F/B)



# Power Supply Circuit

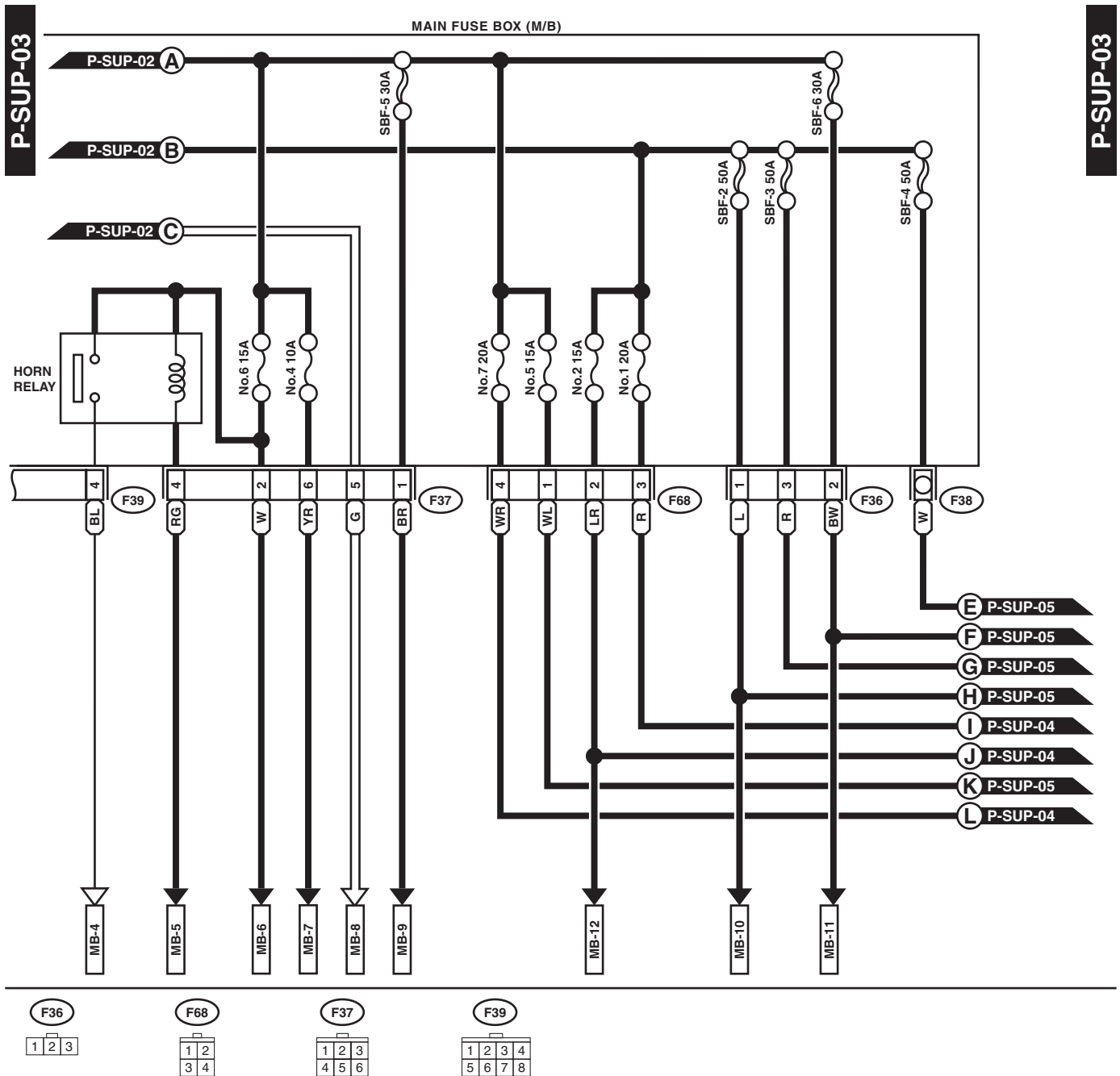
## WIRING SYSTEM



WI-14971

# Power Supply Circuit

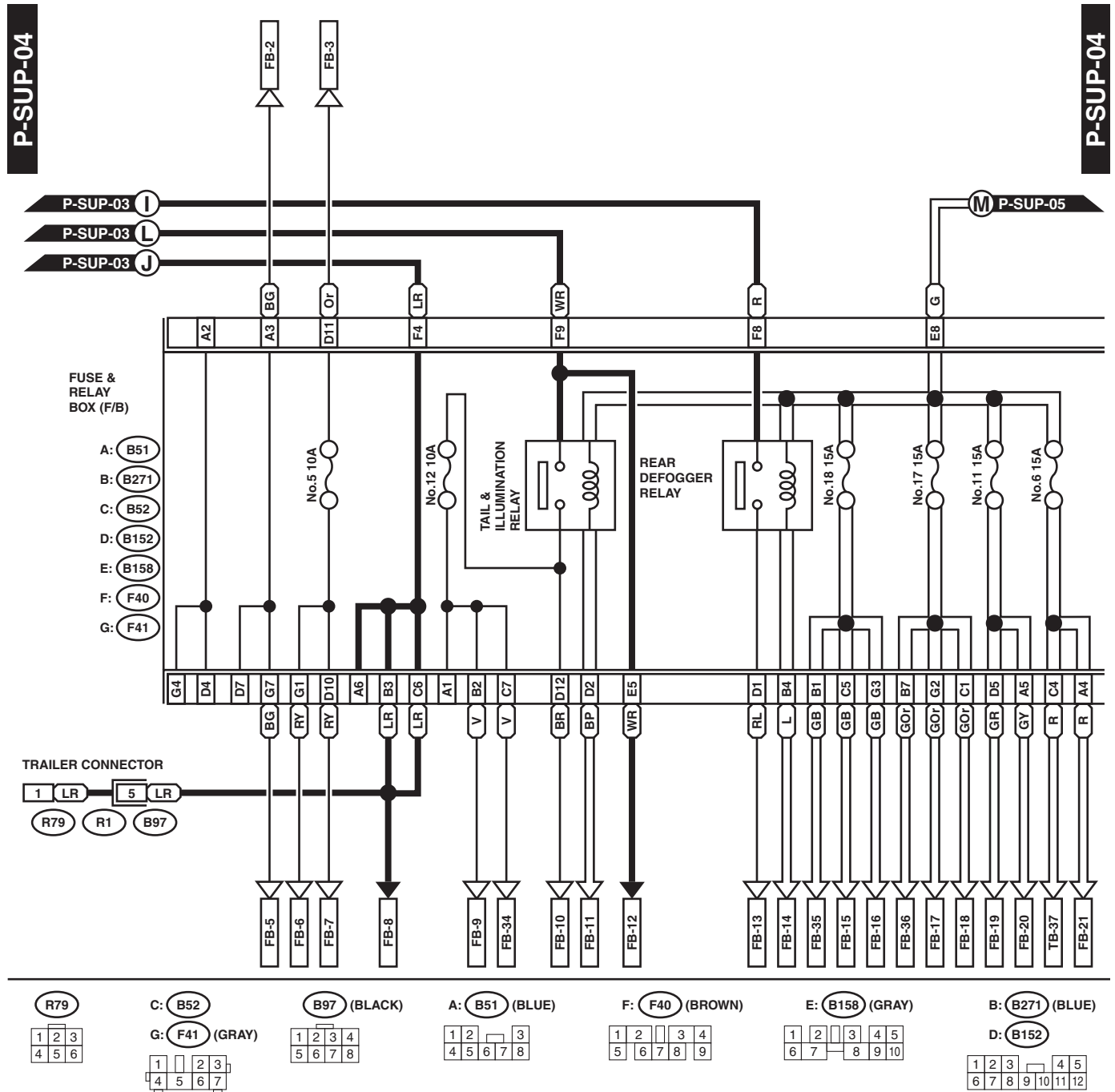
WIRING SYSTEM



WI-12323

# Power Supply Circuit

## WIRING SYSTEM

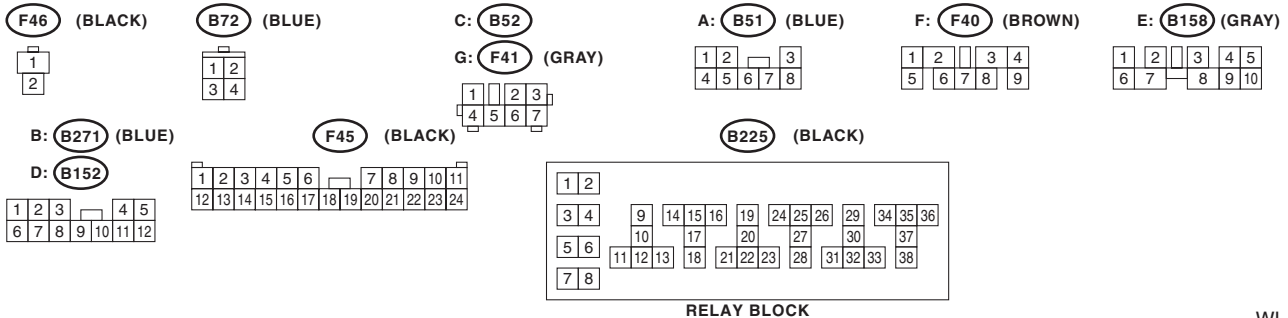
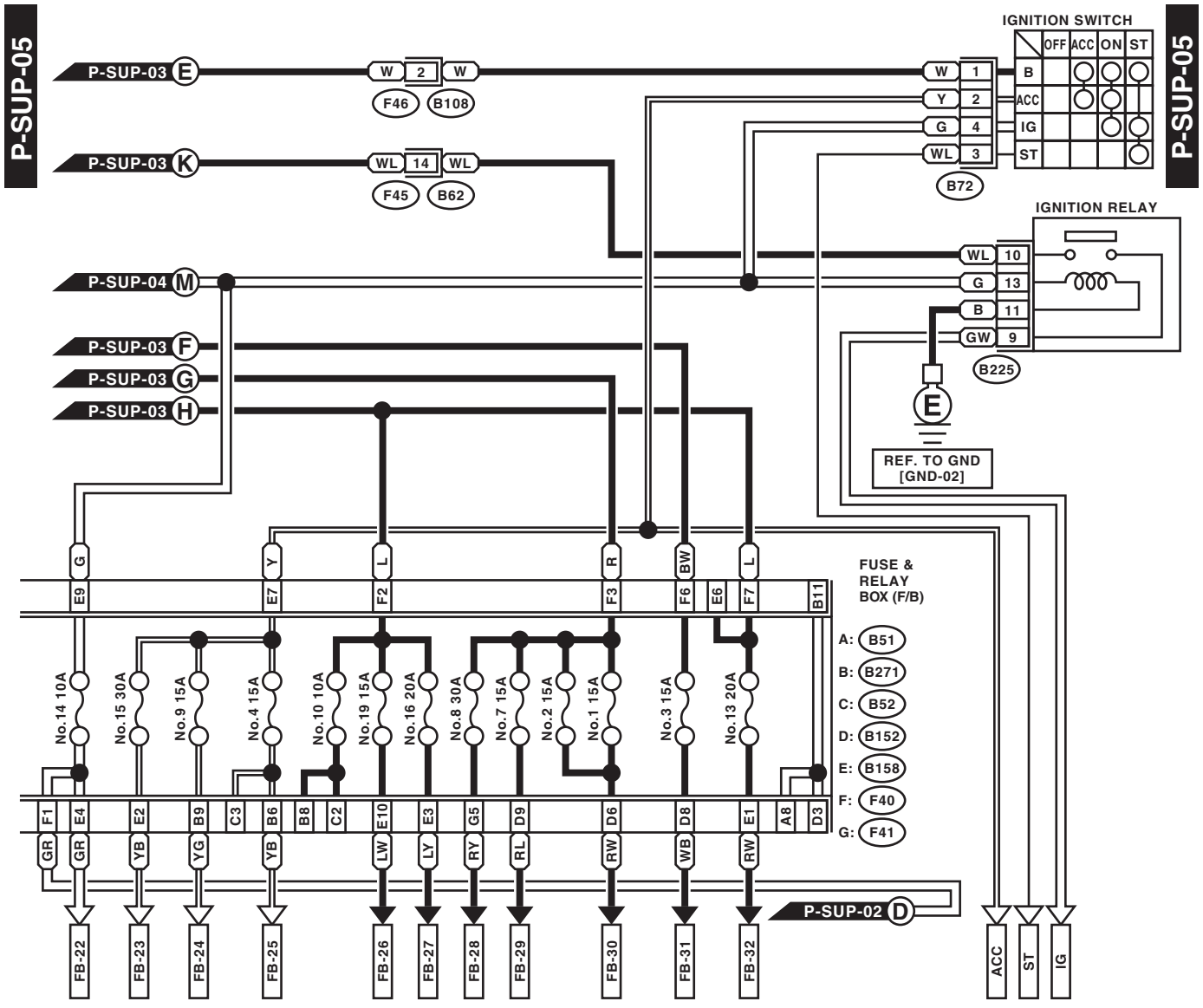


WI-15217



# Power Supply Circuit

WIRING SYSTEM



WI-12205

# Power Supply Circuit

## WIRING SYSTEM

| No.   | Load                              |
|-------|-----------------------------------|
| MB-1  | Secondary air relay holder (Fuse) |
|       | A/C relay holder (Fuse)           |
| MB-2  | Combination meter                 |
|       | Headlight RH                      |
| MB-3  | Headlight LH                      |
| MB-4  | Horn                              |
| MB-5  | Keyless entry control module      |
|       | Horn switch                       |
| MB-6  | Key warning switch                |
|       | Keyless entry control module      |
|       | Hazard switch                     |
| MB-7  | TCM                               |
| MB-8  | Diode                             |
|       | Body integrated unit              |
|       | HID diode                         |
| MB-9  | Immobilizer control module        |
|       | ECM                               |
|       | Data link connector               |
|       | Fuel pump relay                   |
|       | Main relay                        |
|       | Electronic throttle control relay |
|       | A/F & oxygen sensor relay         |
| MB-10 | Fuse (Seat heater)                |
| MB-11 | Power window circuit breaker      |
| MB-12 | Keyless buzzer                    |
|       | Combination meter                 |
|       | Immobilizer control module        |
| SBF-7 | ABS control module                |
|       | VDC control module                |
| SBF-8 | A/F & oxygen sensor relay         |
| ALT   | Combination meter                 |
| ACC   | Fuse (Rear wiper)                 |
| IG    | Hazard switch                     |
|       | Power window relay                |
|       | Data link connector               |
|       | Vehicle speed sensor (MT model)   |
| ST    | Interrupt relay                   |
| FB-2  | Keyless entry control module      |
|       | Turn signal switch                |
|       | Trailer connector                 |
|       | Hazard switch                     |
|       | Turn signal light                 |
|       | Rear turn signal light LH         |
| FB-3  | Parking switch                    |
|       | Daytime running light relay       |
|       | HID relay                         |
| FB-5  | Front turn signal light LH        |

| No.   | Load                            |
|-------|---------------------------------|
| FB-6  | Side marker light LH            |
|       | Front clearance light LH        |
|       | Front clearance light RH        |
|       | Headlight beam leveler LH       |
|       | Headlight beam leveler RH       |
| FB-7  | Side marker light RH            |
|       | Trailer connector               |
|       | Headlight beam leveler switch   |
|       | License plate light             |
|       | Rear combination light LH       |
| FB-8  | Rear combination light RH       |
|       | Audio                           |
|       | Auto A/C control module         |
|       | Combination meter               |
|       | Spot map light                  |
|       | Room light                      |
|       | Clock                           |
| FB-9  | Key illumination                |
|       | Luggage room light              |
| FB-10 | Illumination light              |
|       | Combination meter               |
| FB-11 | Parking switch                  |
| FB-12 | ECM                             |
|       | Lighting switch                 |
| FB-13 | Parking switch                  |
|       | Daytime running light relay     |
|       | Rear defogger                   |
| FB-14 | Auto A/C control module         |
|       | Manual A/C control module       |
| FB-15 | ECM                             |
|       | Body integrated unit            |
| FB-16 | Inhibitor switch (AT model)     |
|       | Keyless entry control module    |
|       | Clutch switch (MT model)        |
|       | Stop light & brake switch       |
|       | Back-up light switch (MT model) |
|       | Body integrated unit            |
|       | ABS control module              |
|       | VDC control module              |
| FB-17 | Impact sensor                   |
|       | Fan relay - 1                   |
| FB-18 | A/C relay                       |
|       | Fan mode relay                  |
| FB-19 | Fan relay - 2                   |
|       | Wiper deicer switch             |

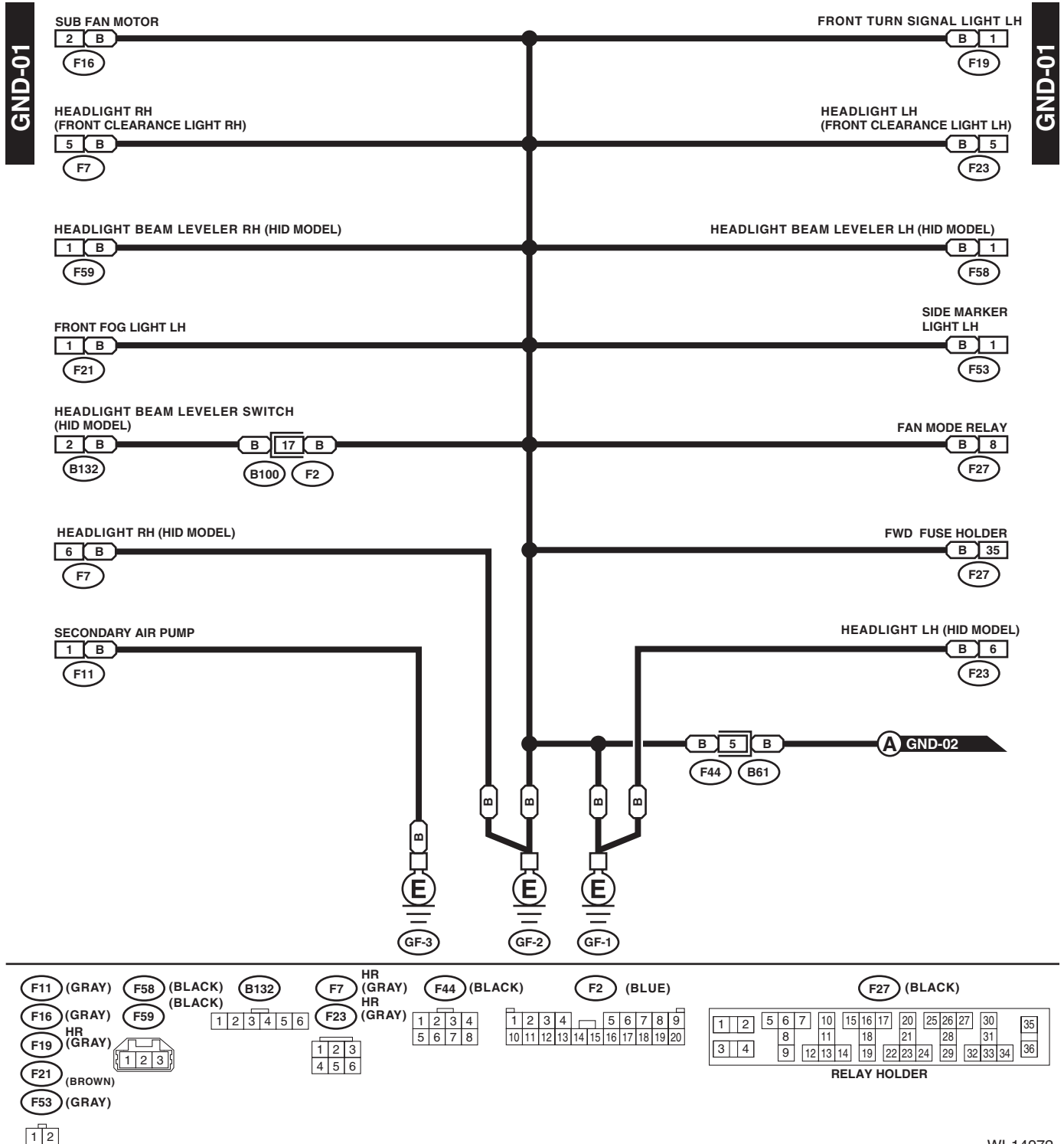
| No.   | Load                                 |
|-------|--------------------------------------|
| FB-19 | Immobilizer control module           |
|       | Ignition coil No. 1 (Turbo model)    |
|       | ECM                                  |
|       | Transmission control module          |
|       | Rear wheel speed sensor (AWD)        |
|       | Fuel pump relay                      |
|       | Ignition coil No. 2 (Turbo model)    |
|       | Ignition coil No. 3 (Turbo model)    |
|       | Ignition coil No. 4 (Turbo model)    |
| FB-20 | Airbag control module                |
| FB-21 | Airbag control module                |
| FB-22 | Combination meter                    |
|       | High beam relay                      |
|       | Daytime running light relay          |
|       | Clock                                |
| FB-23 | Combination switch (Wiper)           |
|       | Front washer motor                   |
|       | Front wiper motor                    |
| FB-24 | Audio                                |
|       | Compass mirror                       |
|       | Clock                                |
| FB-25 | Seat heater relay                    |
|       | TCM                                  |
|       | Front accessory power supply socket  |
|       | Body integrated unit                 |
|       | Remote control mirror switch         |
|       | Rear accessory relay                 |
| FB-26 | Rear accessory relay                 |
| FB-27 | Stop light switch                    |
| FB-28 | ABS control module                   |
|       | VDC control module                   |
| FB-29 | Front fog light relay                |
| FB-30 | Blower fan relay                     |
| FB-31 | Keyless entry control module         |
|       | Impact sensor                        |
|       | Body integrated unit                 |
| FB-32 | Wiper deicer and mirror heater relay |
| FB-34 | Illumination light                   |
|       | Body integrated unit                 |
|       | Clock                                |
| FB-35 | Wiper deicer and mirror heater relay |
| FB-36 | A/C pressure switch                  |
|       | Blower fan relay                     |
|       | Auto A/C control module              |
|       | Intake actuator                      |
|       | Manual A/C control module            |
| FB-37 | Occupant detection control module    |

# Ground Circuit

## WIRING SYSTEM

### 4. Ground Circuit

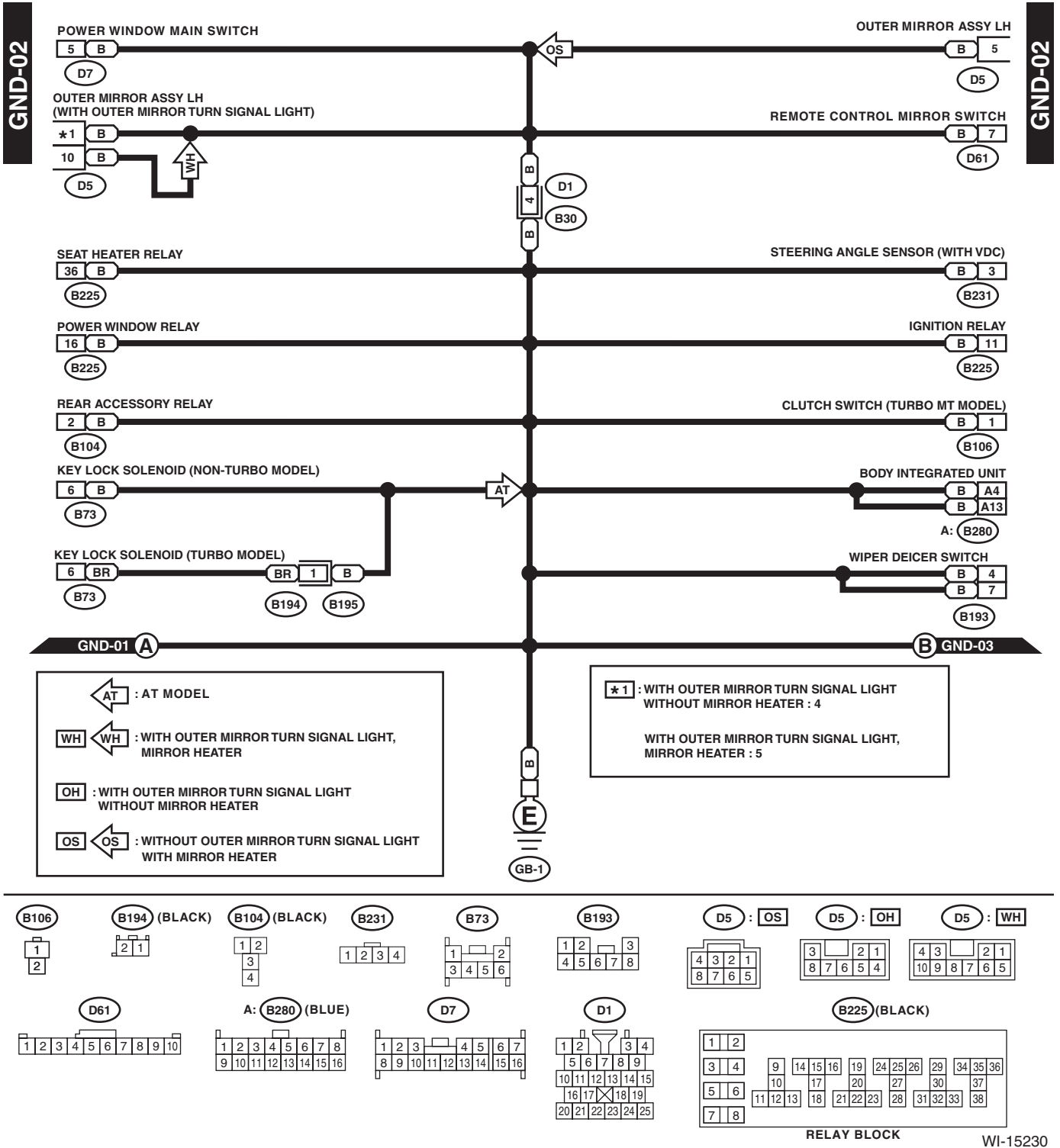
#### A: WIRING DIAGRAM



WI-14972

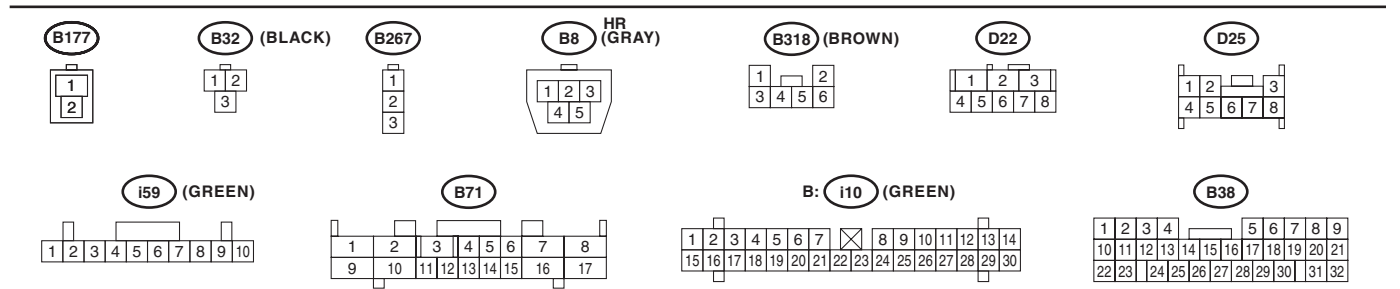
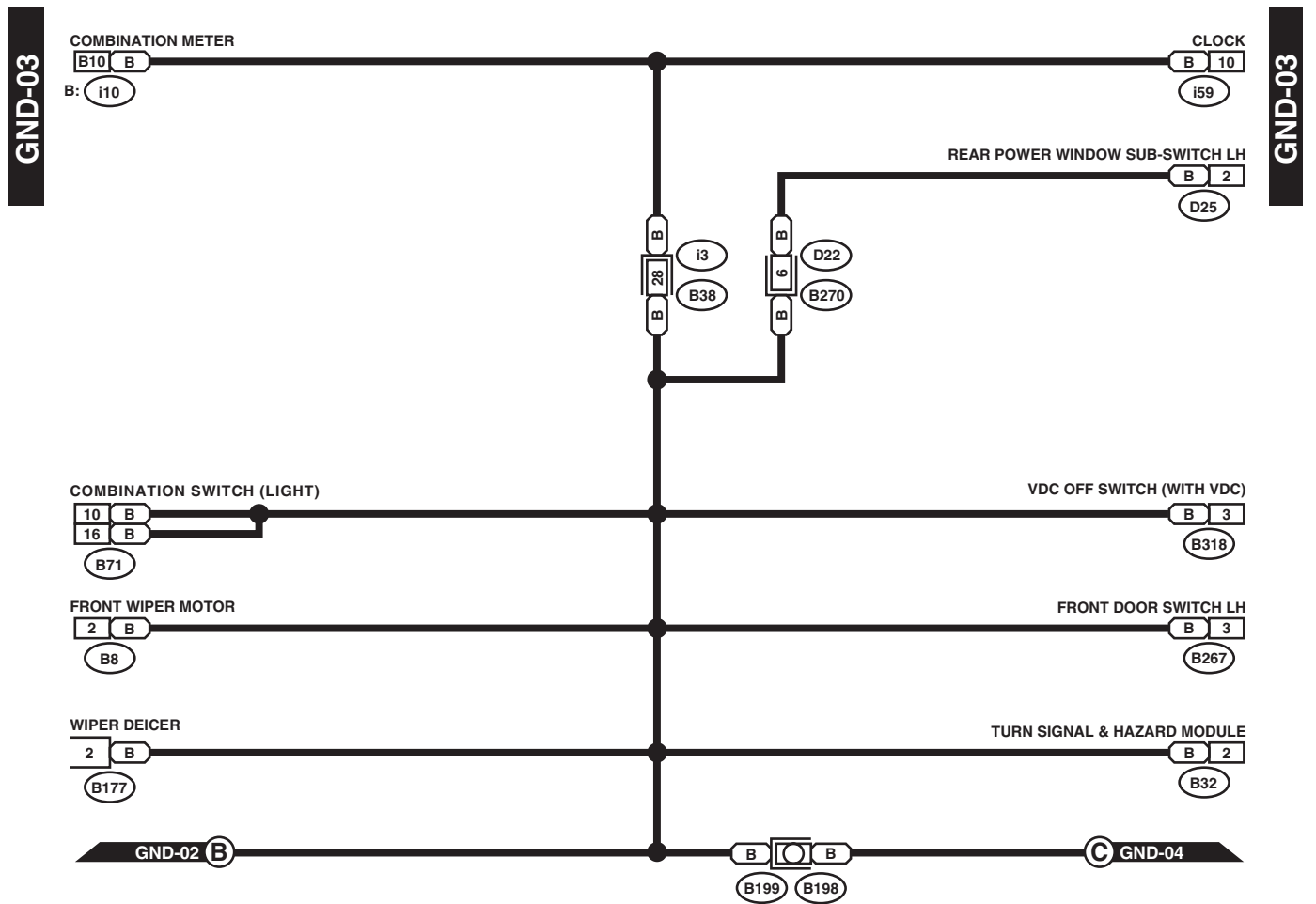
# Ground Circuit

WIRING SYSTEM



# Ground Circuit

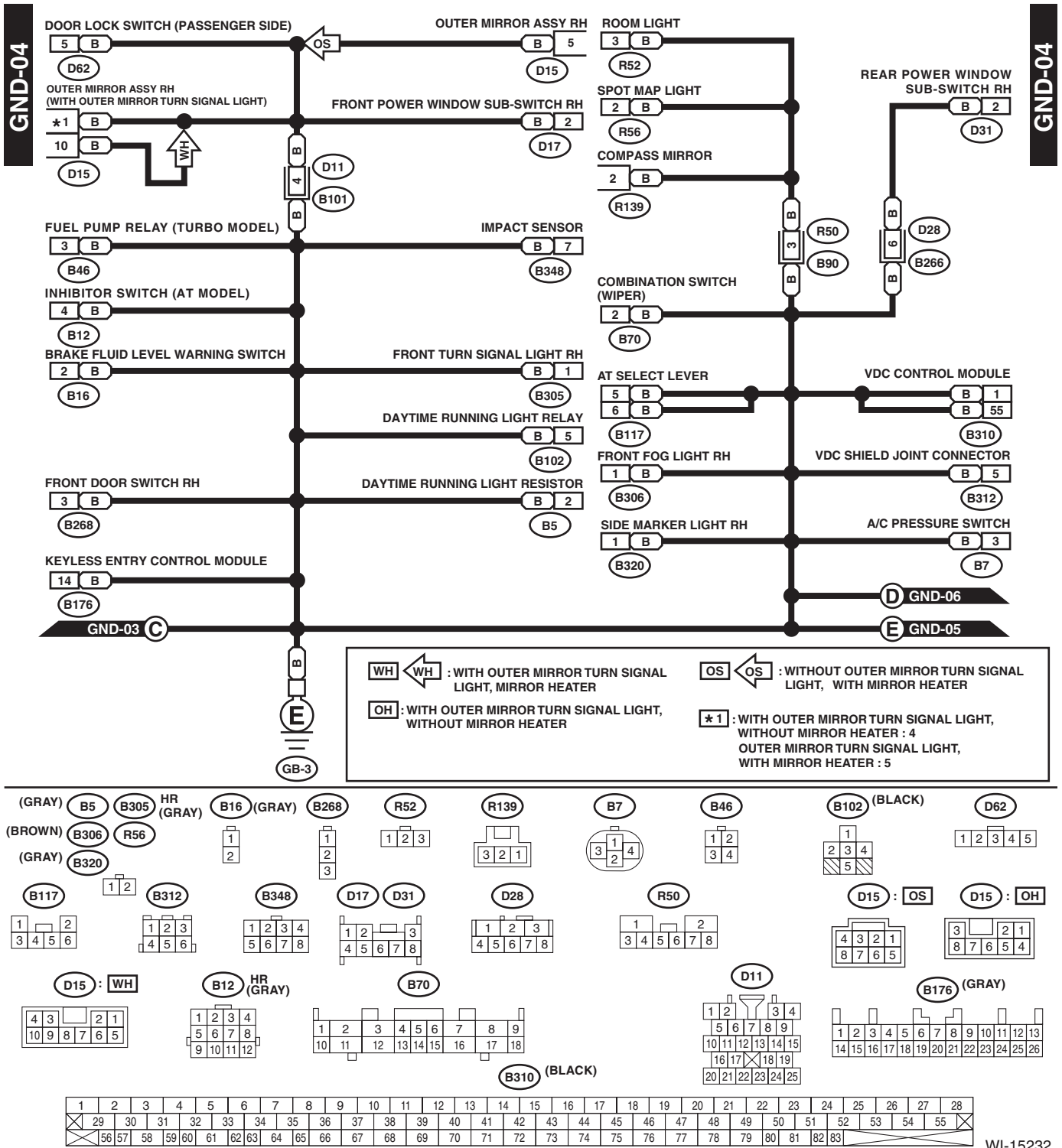
## WIRING SYSTEM



WI-15231

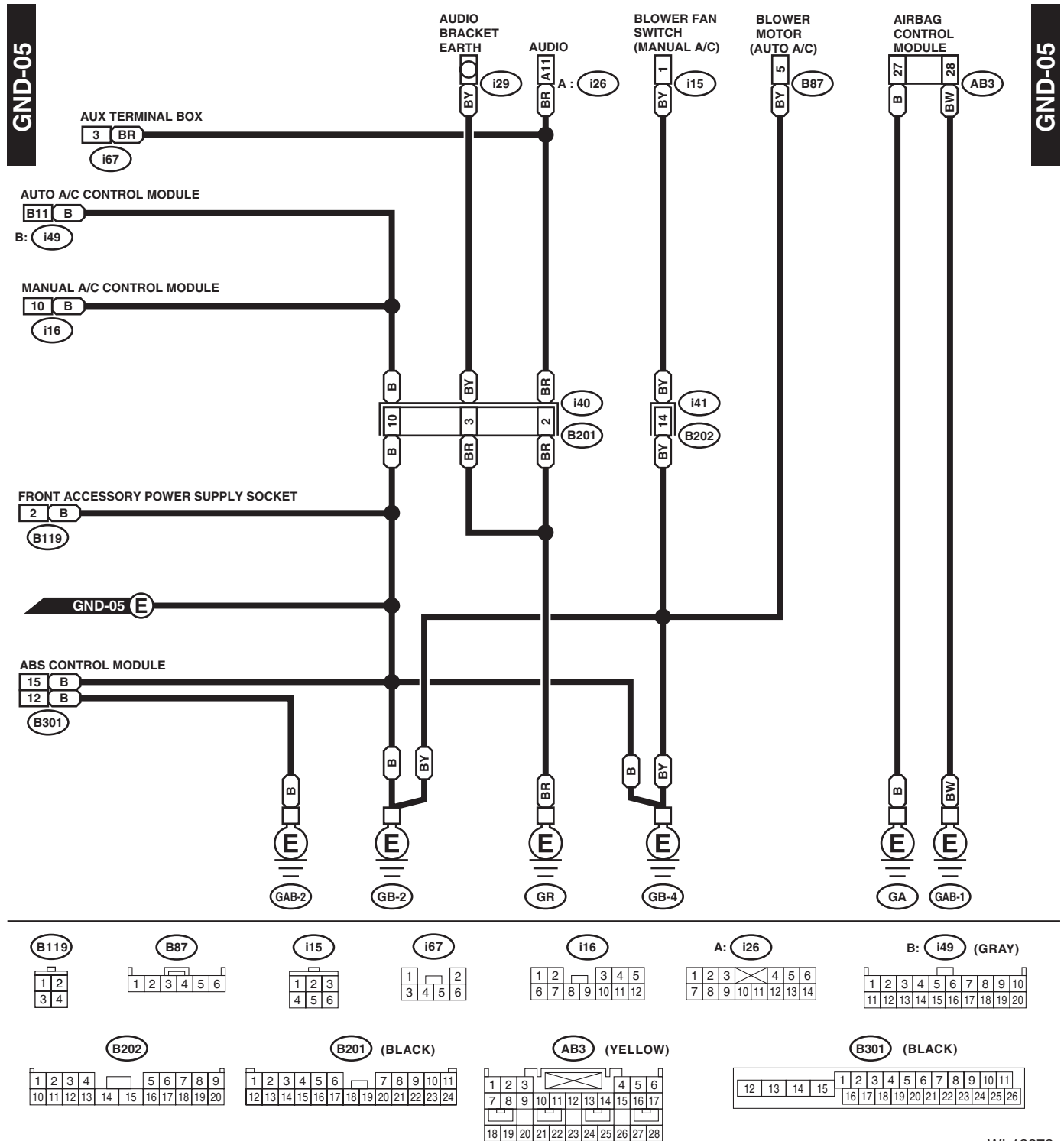
# Ground Circuit

WIRING SYSTEM



# Ground Circuit

## WIRING SYSTEM

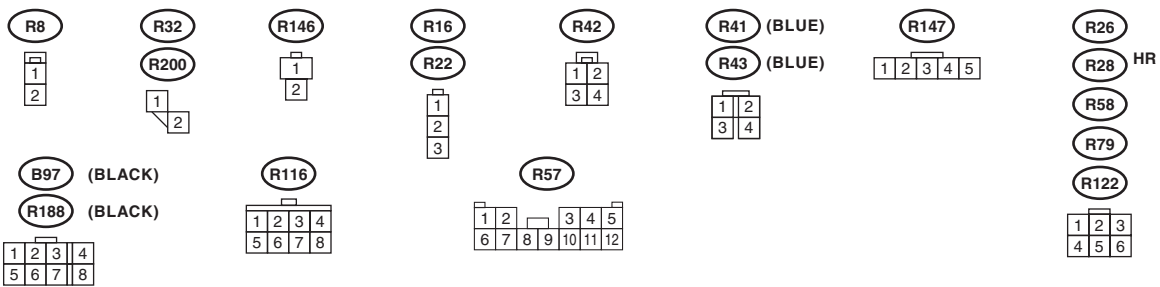
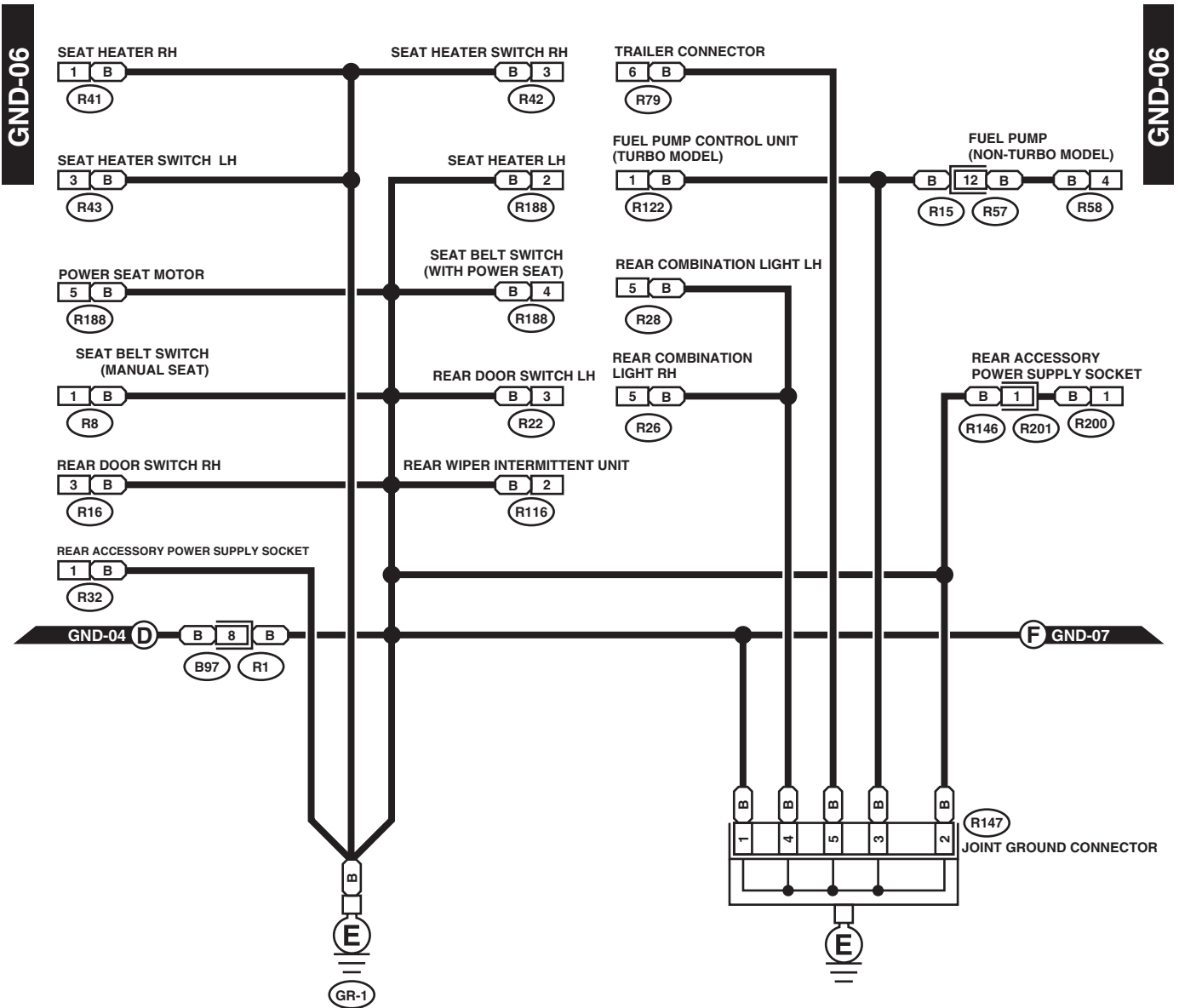


WI-12272



# Ground Circuit

WIRING SYSTEM



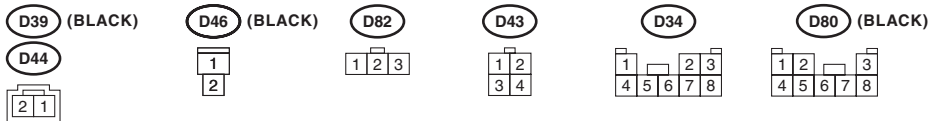
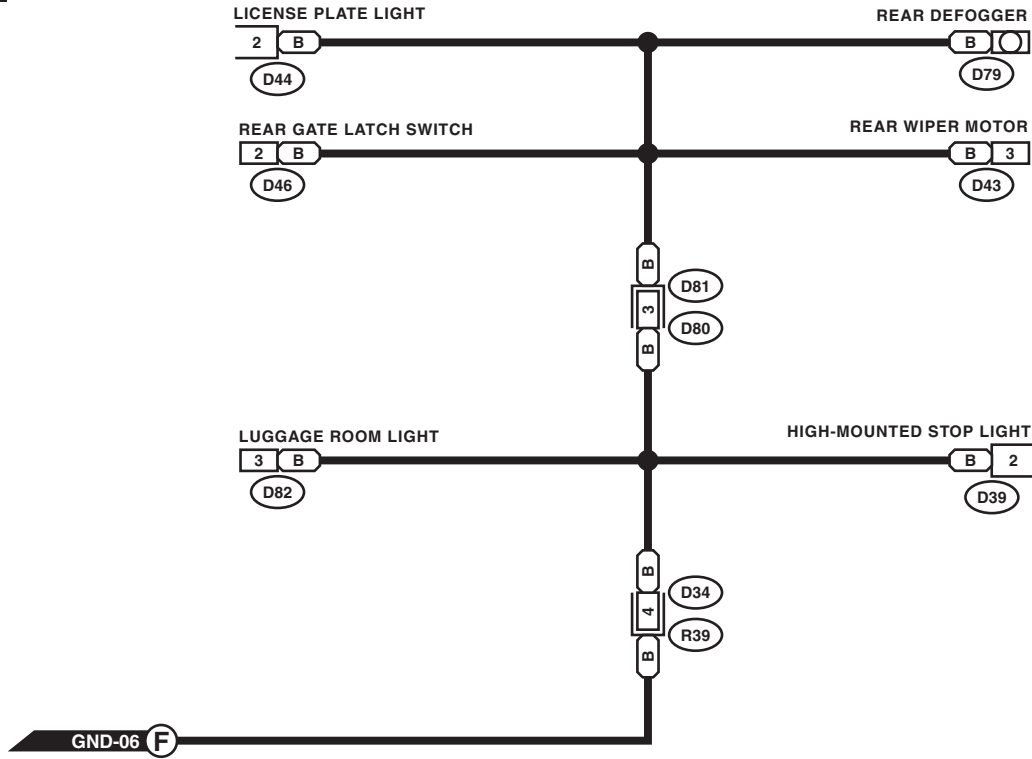
WI-14975

# Ground Circuit

WIRING SYSTEM

GND-07

GND-07



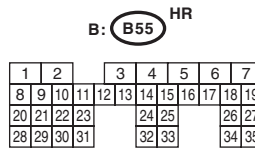
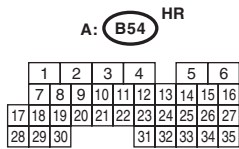
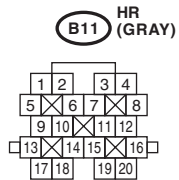
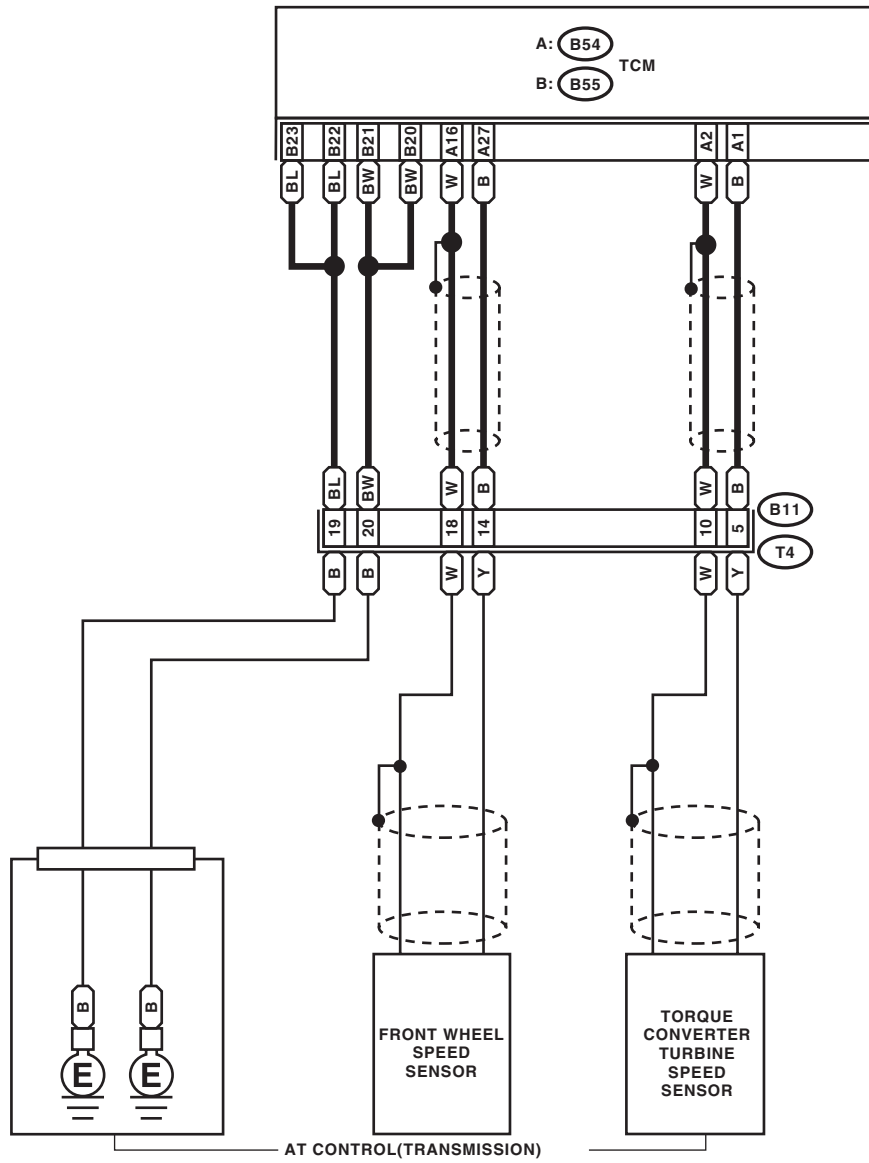
WI-13100

# Ground Circuit

WIRING SYSTEM

GND-08

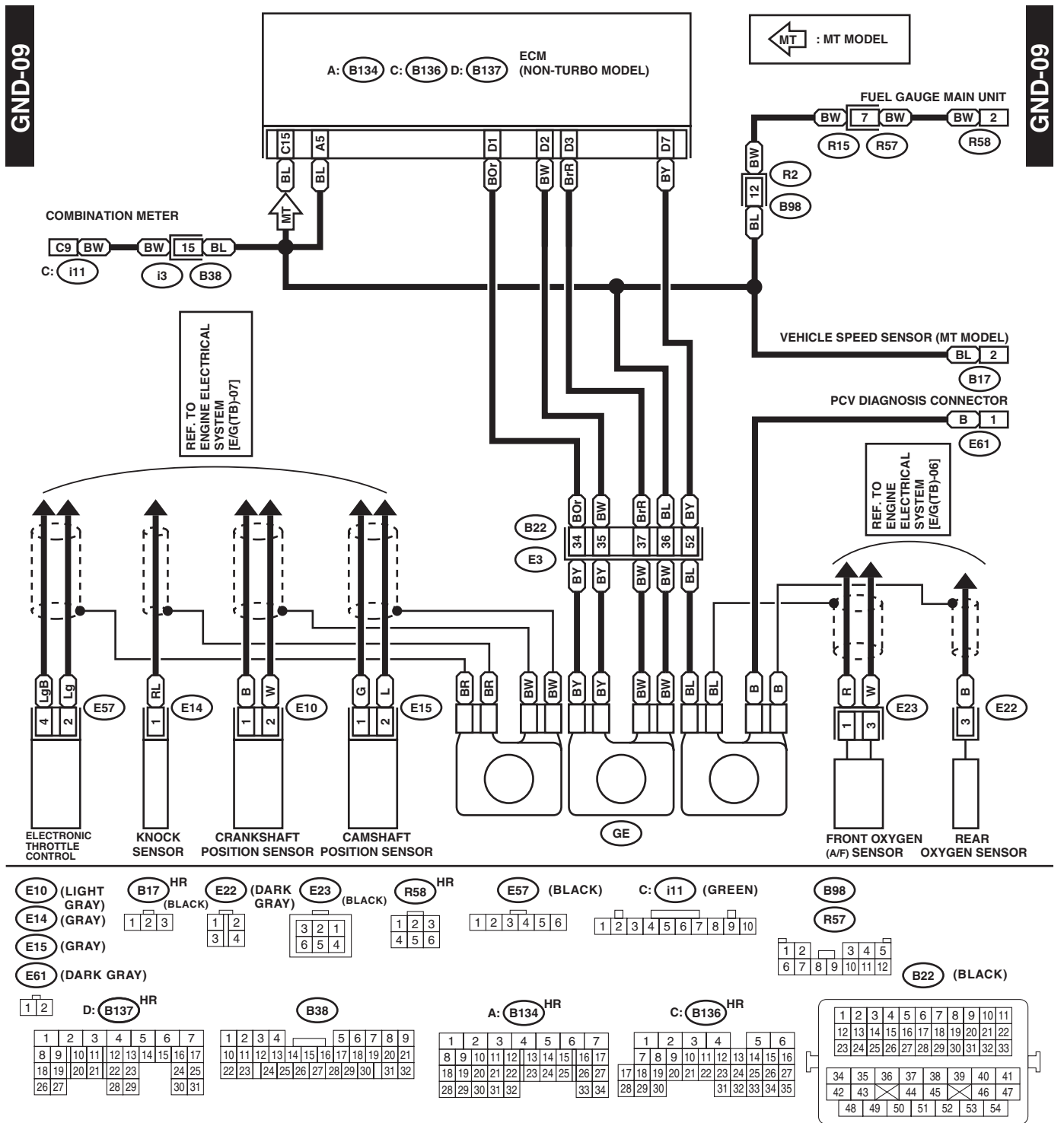
GND-08



WI-14976

# Ground Circuit

## WIRING SYSTEM



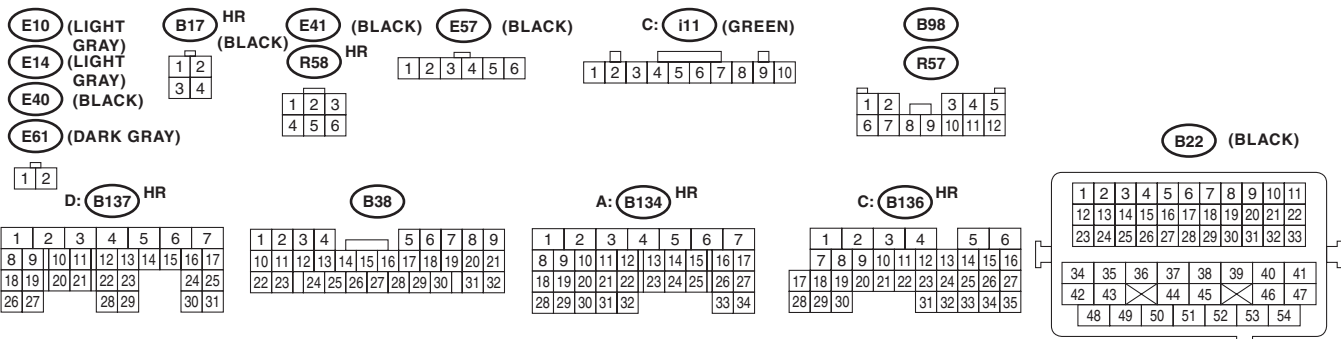
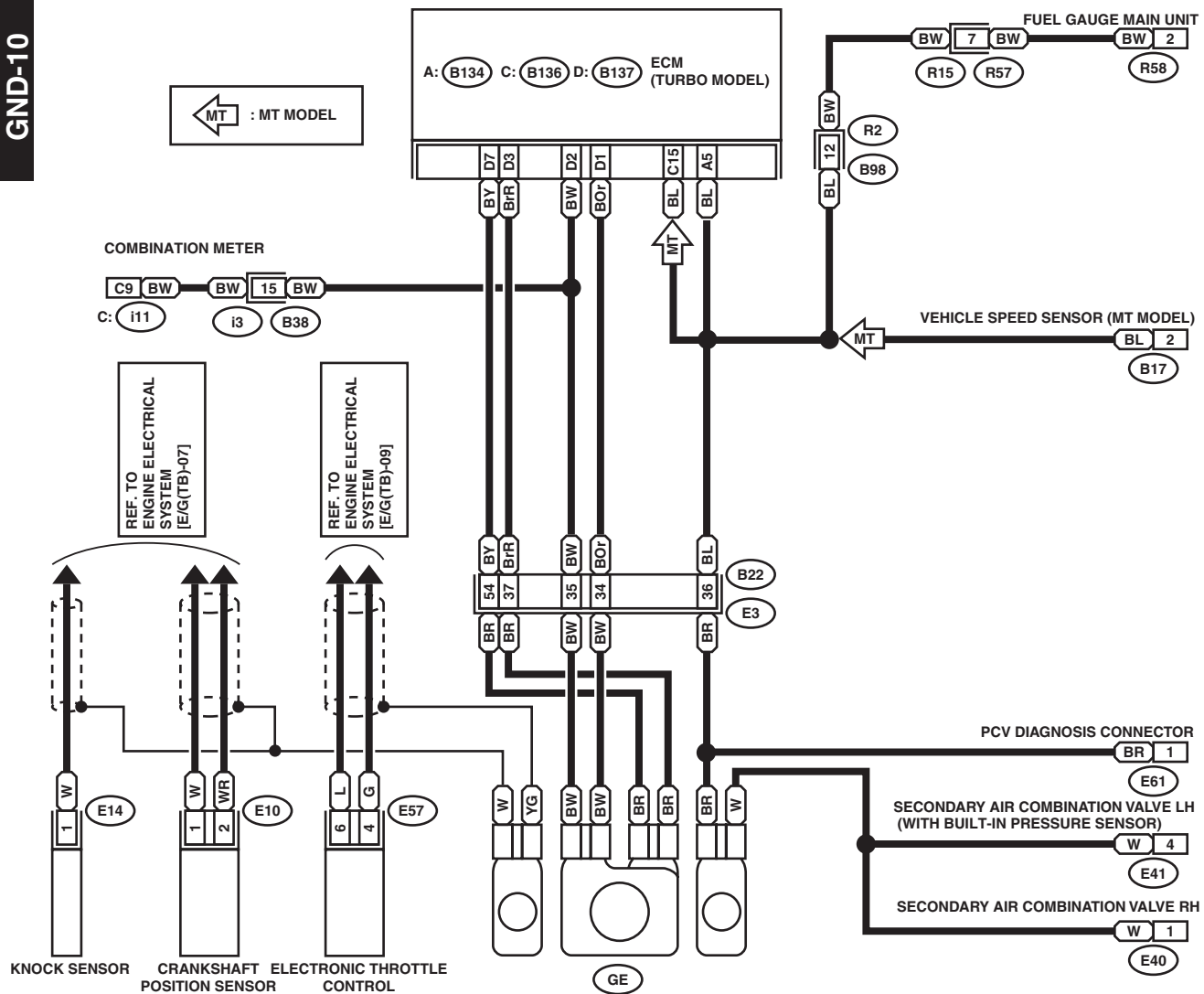
WI-14977

# Ground Circuit

WIRING SYSTEM

GND-10

GND-10



WI-14978

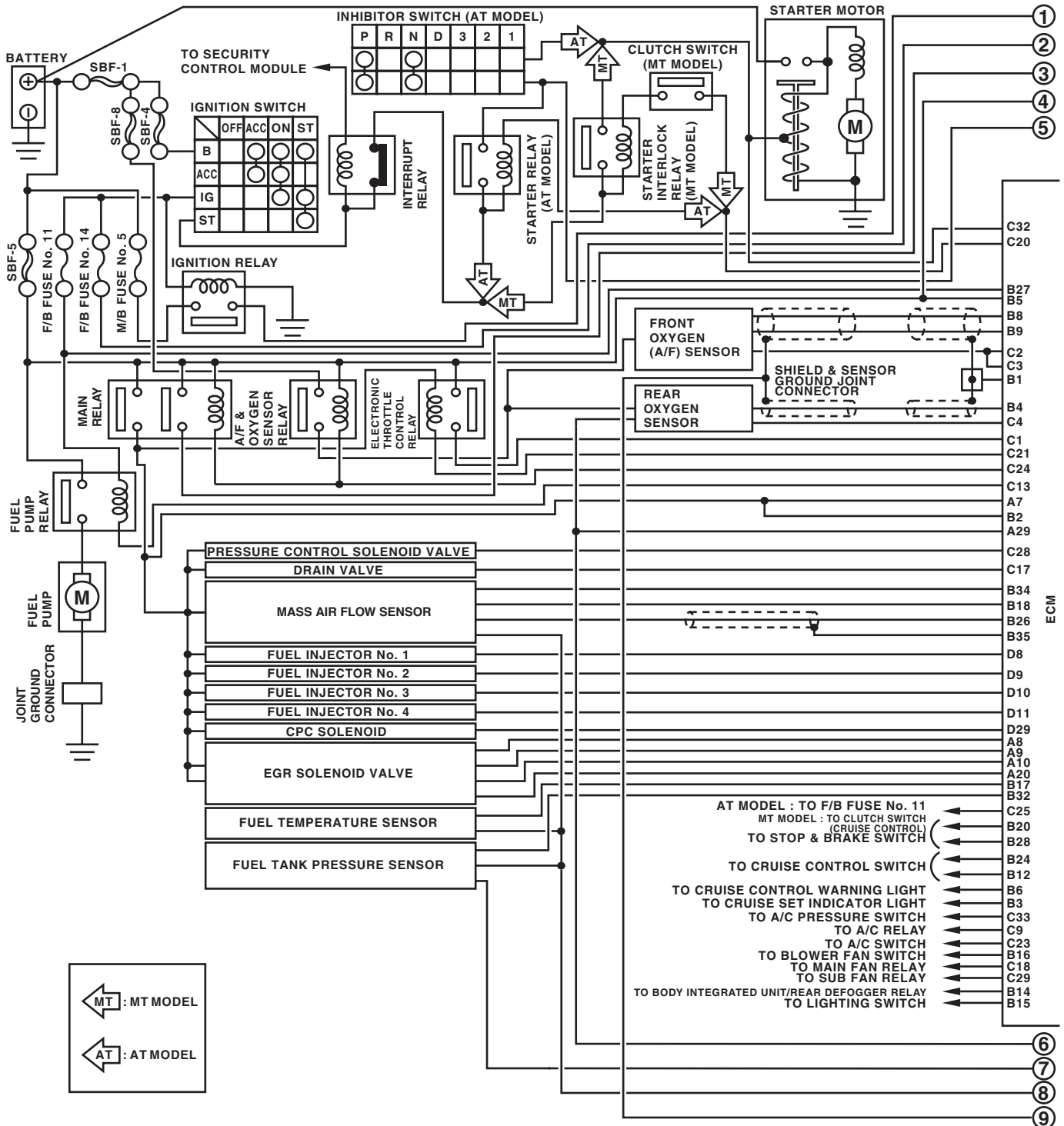
# Engine Electrical System

## WIRING SYSTEM

### 5. Engine Electrical System

#### A: WIRING DIAGRAM

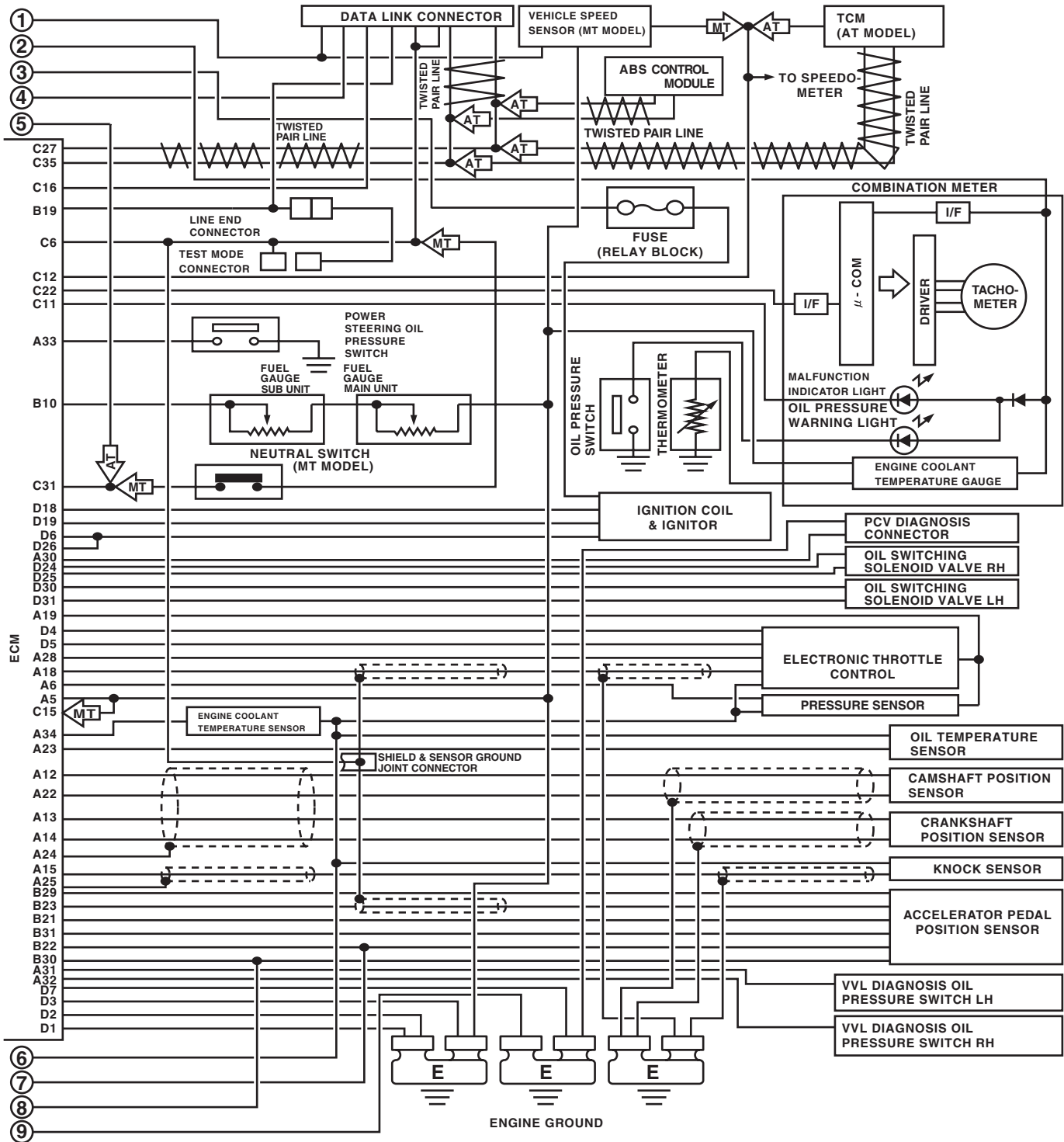
##### 1. NON-TURBO MODEL



WI-12206

# Engine Electrical System

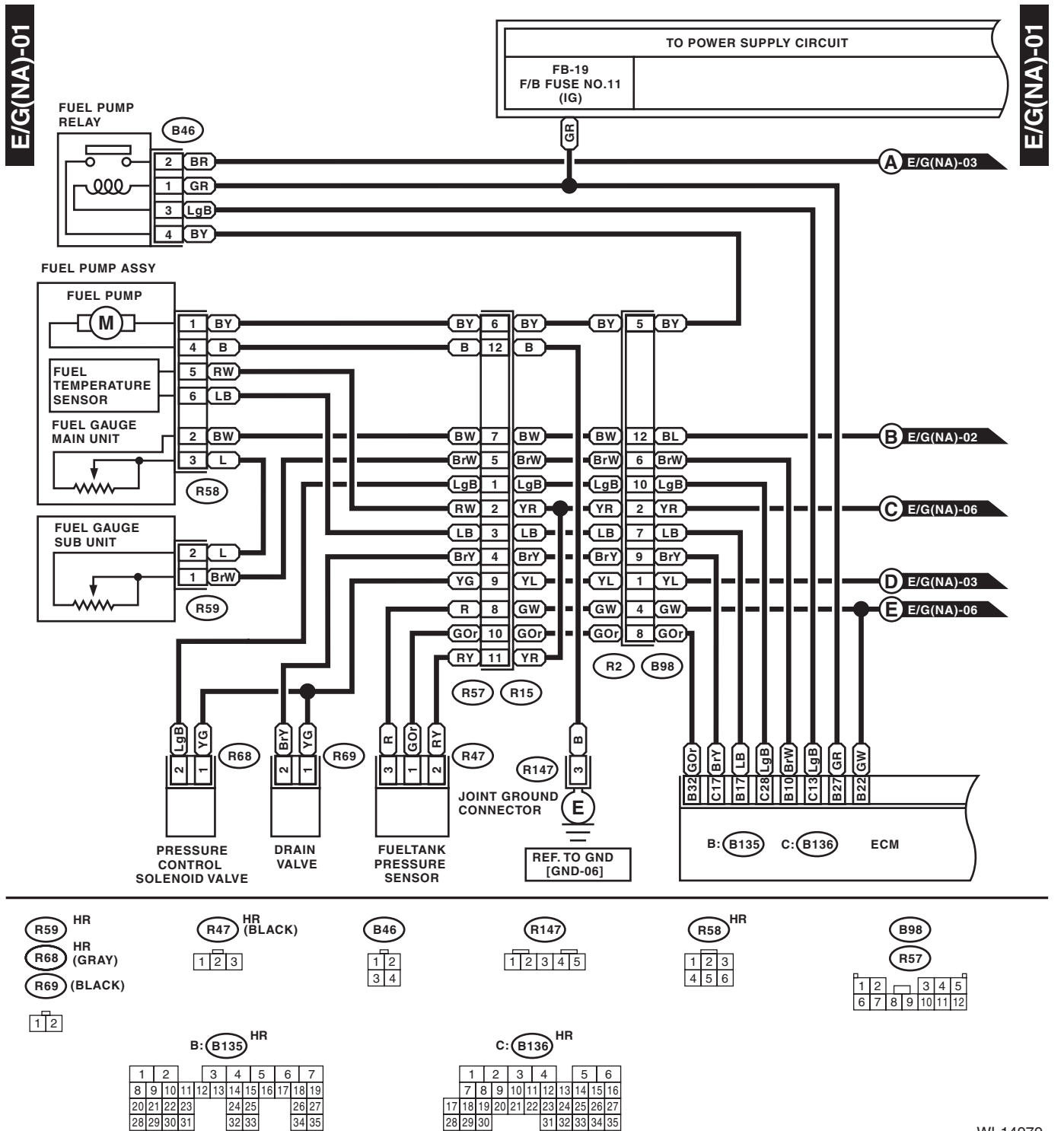
WIRING SYSTEM



WI-12207

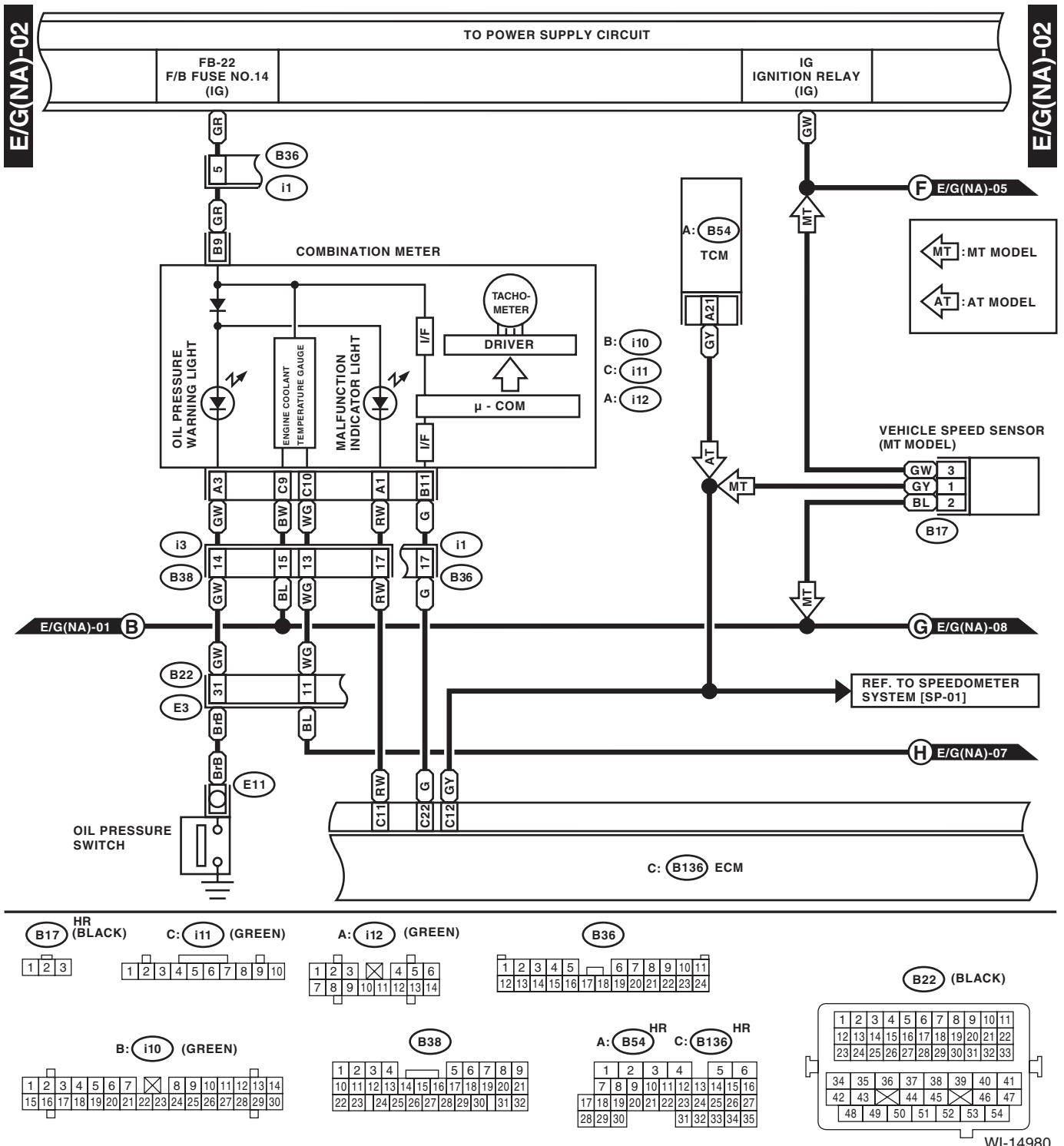
# Engine Electrical System

## WIRING SYSTEM



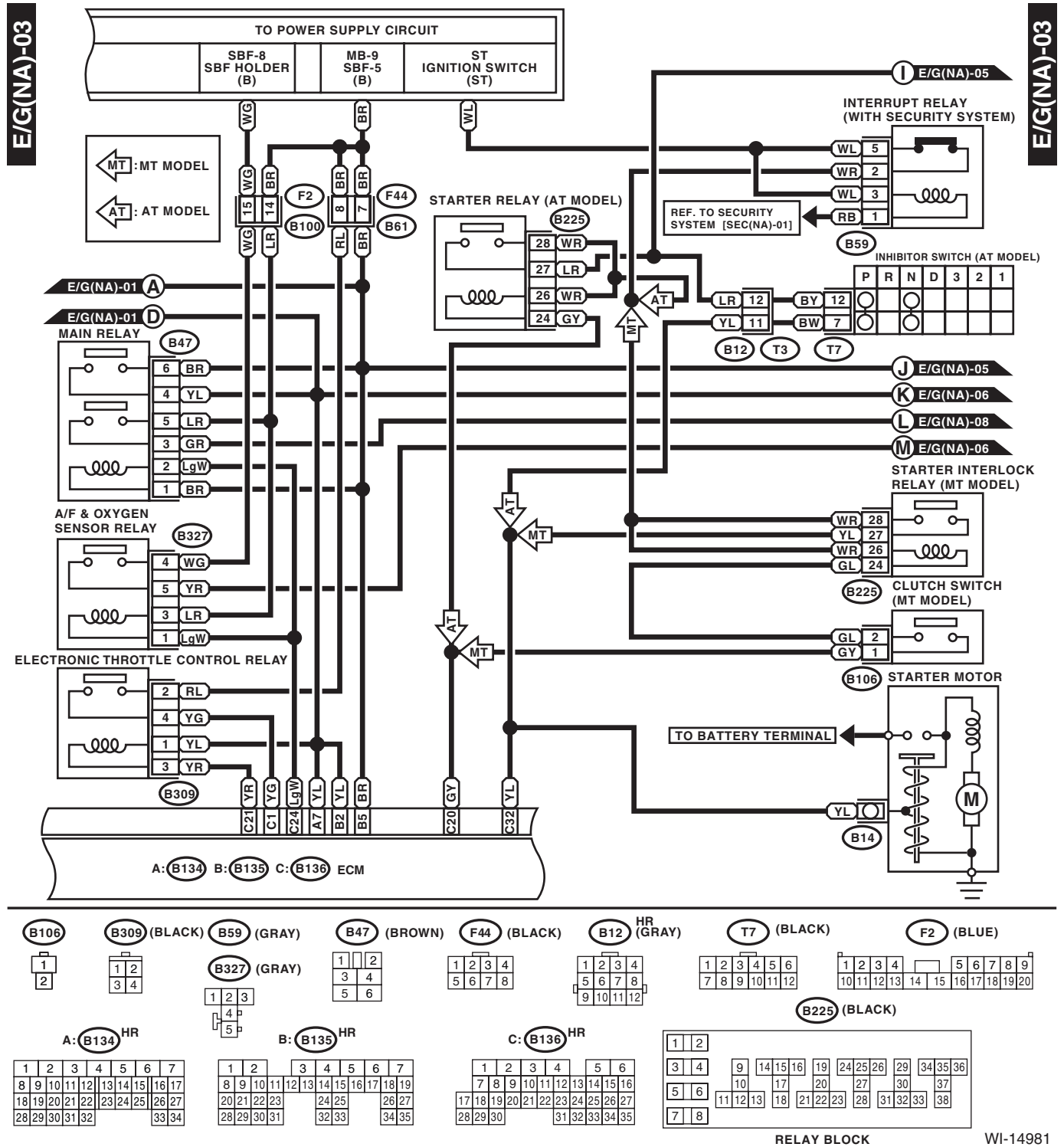
WI-14979





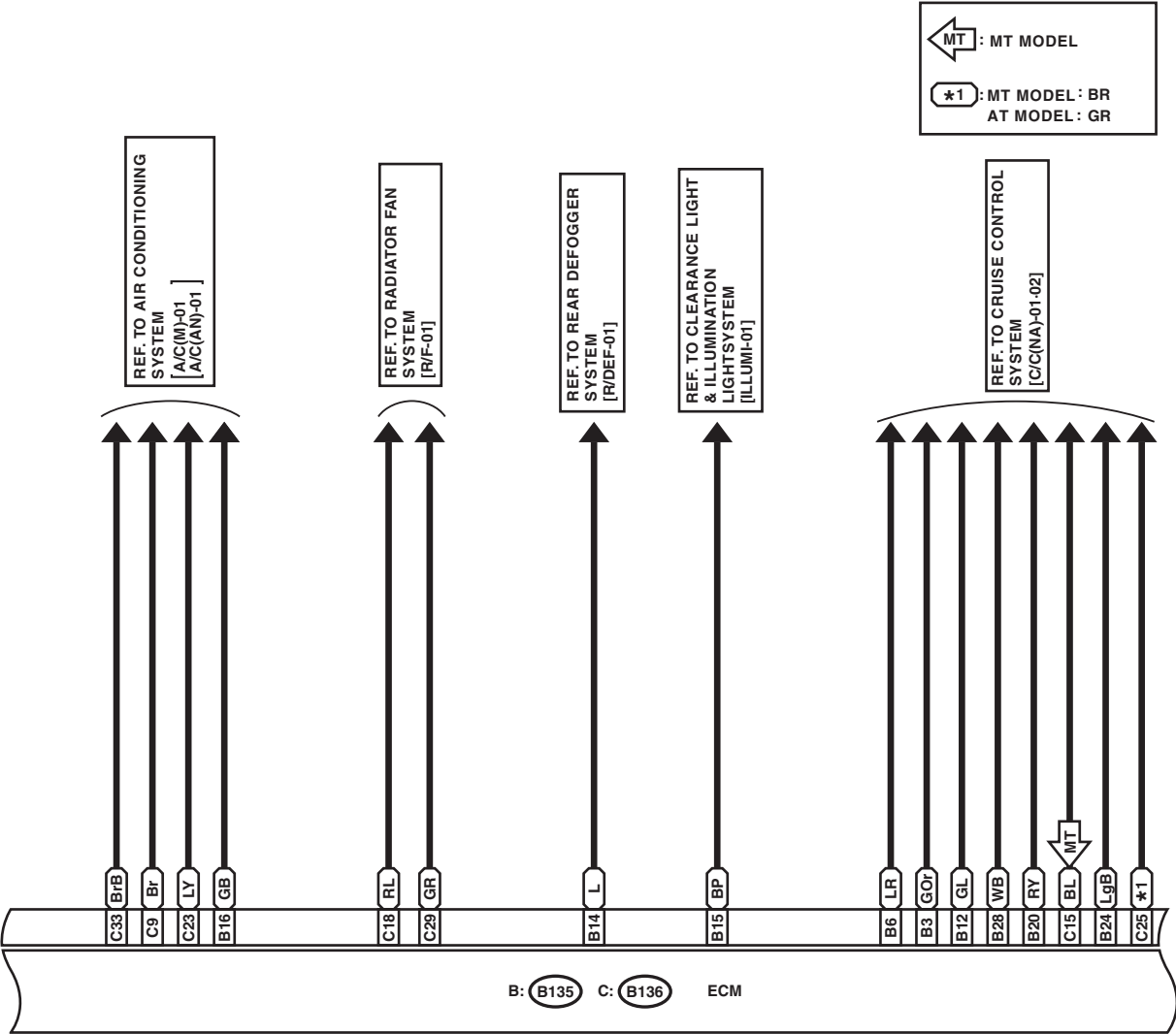
# Engine Electrical System

## WIRING SYSTEM



E/G(NA)-04

E/G(NA)-04



B: B135 HR

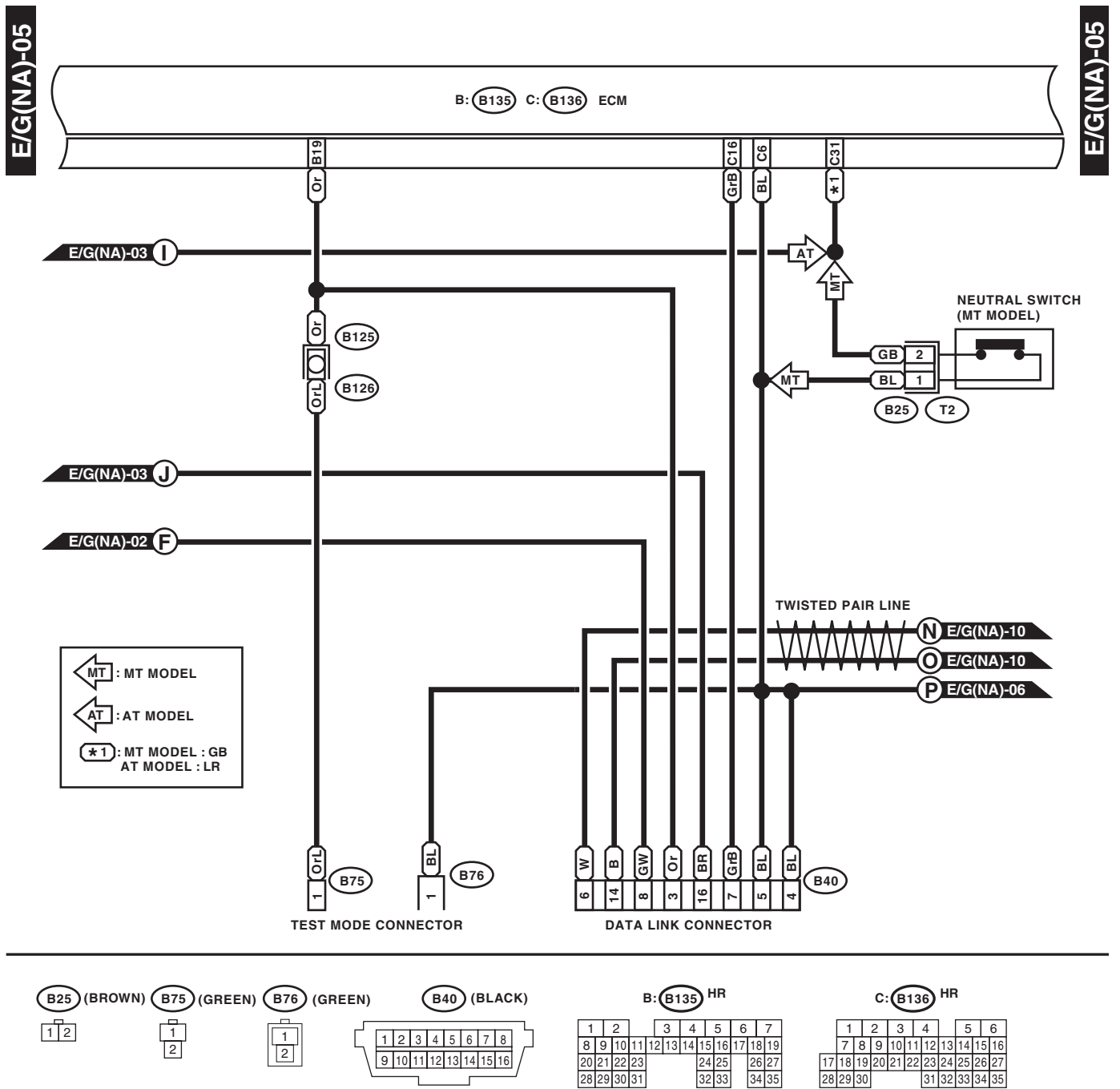
|    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|
| 1  | 2  | 3  | 4  | 5  | 6  | 7  |
| 8  | 9  | 10 | 11 | 12 | 13 | 14 |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 29 | 30 | 31 | 32 | 33 | 34 | 35 |

C: B136 HR

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

# Engine Electrical System

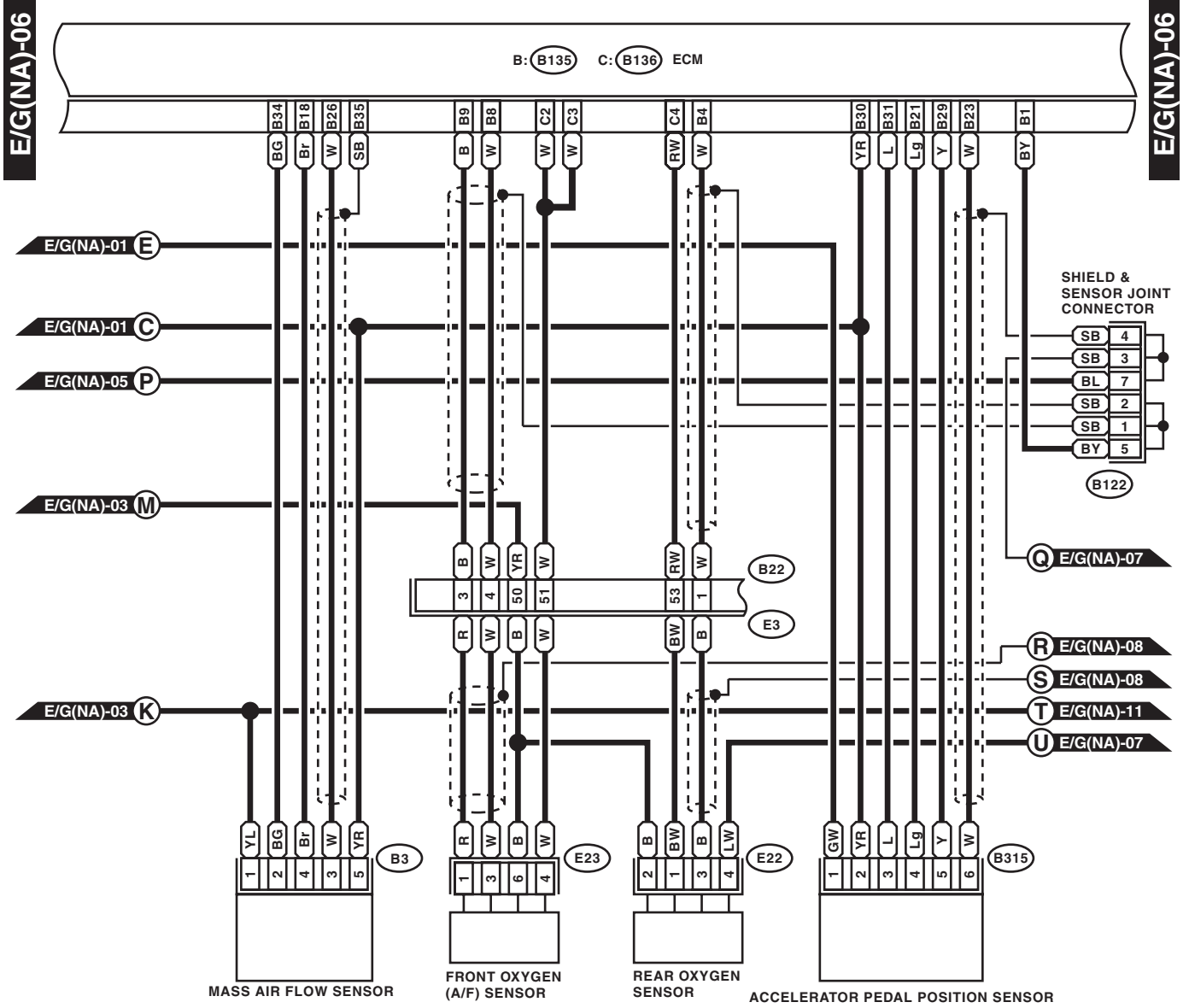
## WIRING SYSTEM



WI-14983

# Engine Electrical System

WIRING SYSTEM



E22 (DARK GRAY)

|   |   |
|---|---|
| 1 | 2 |
| 3 | 4 |

B3 (BLACK)

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

B315 (BLACK)

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

E23 (BLACK)

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

B22 (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 |    |    |    |    |

B122

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

B: B135 HR

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

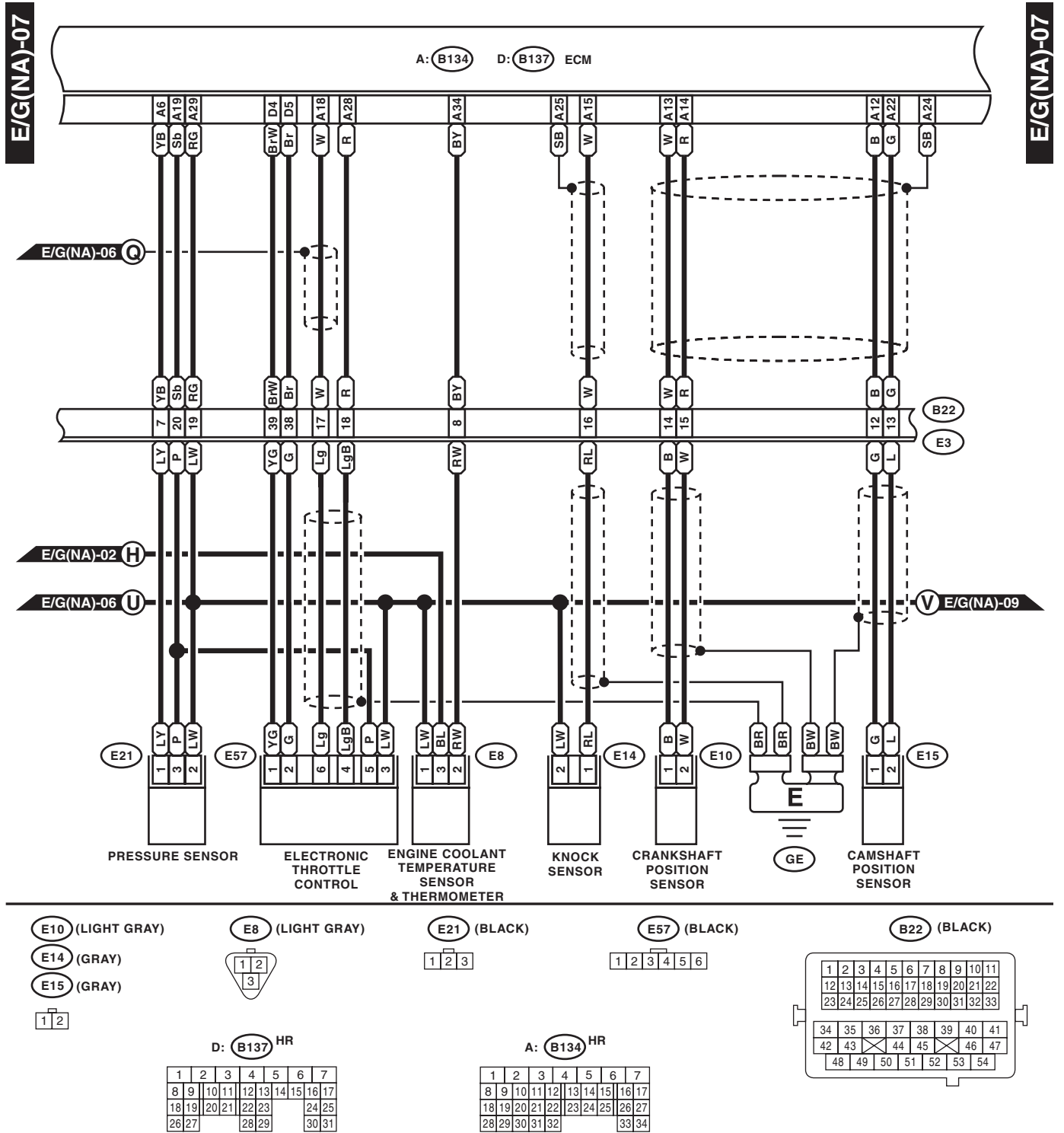
C: B136 HR

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

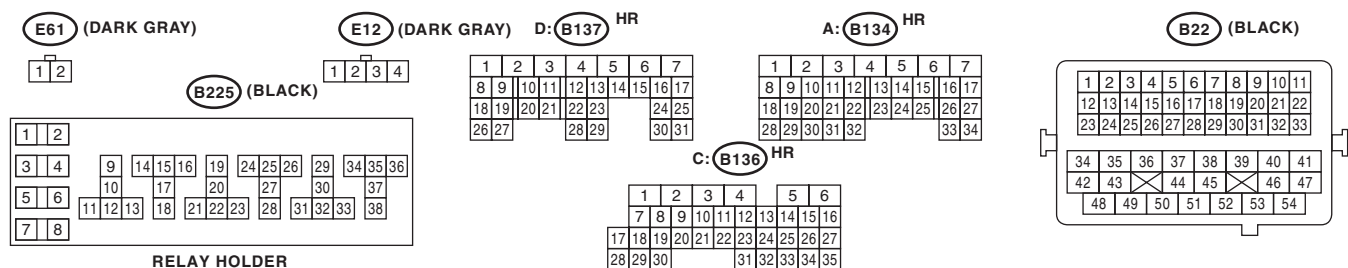
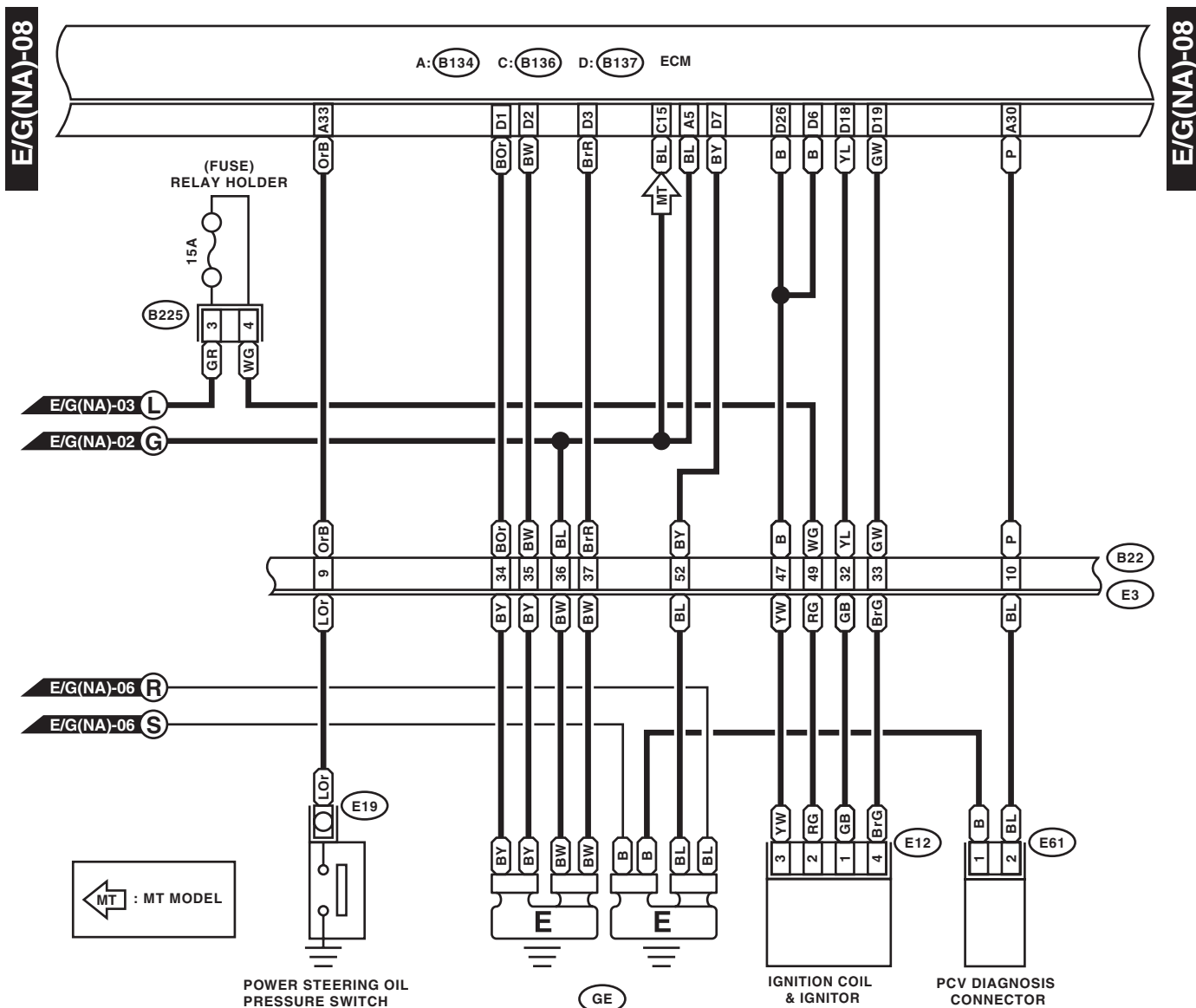
WI-14984

# Engine Electrical System

## WIRING SYSTEM



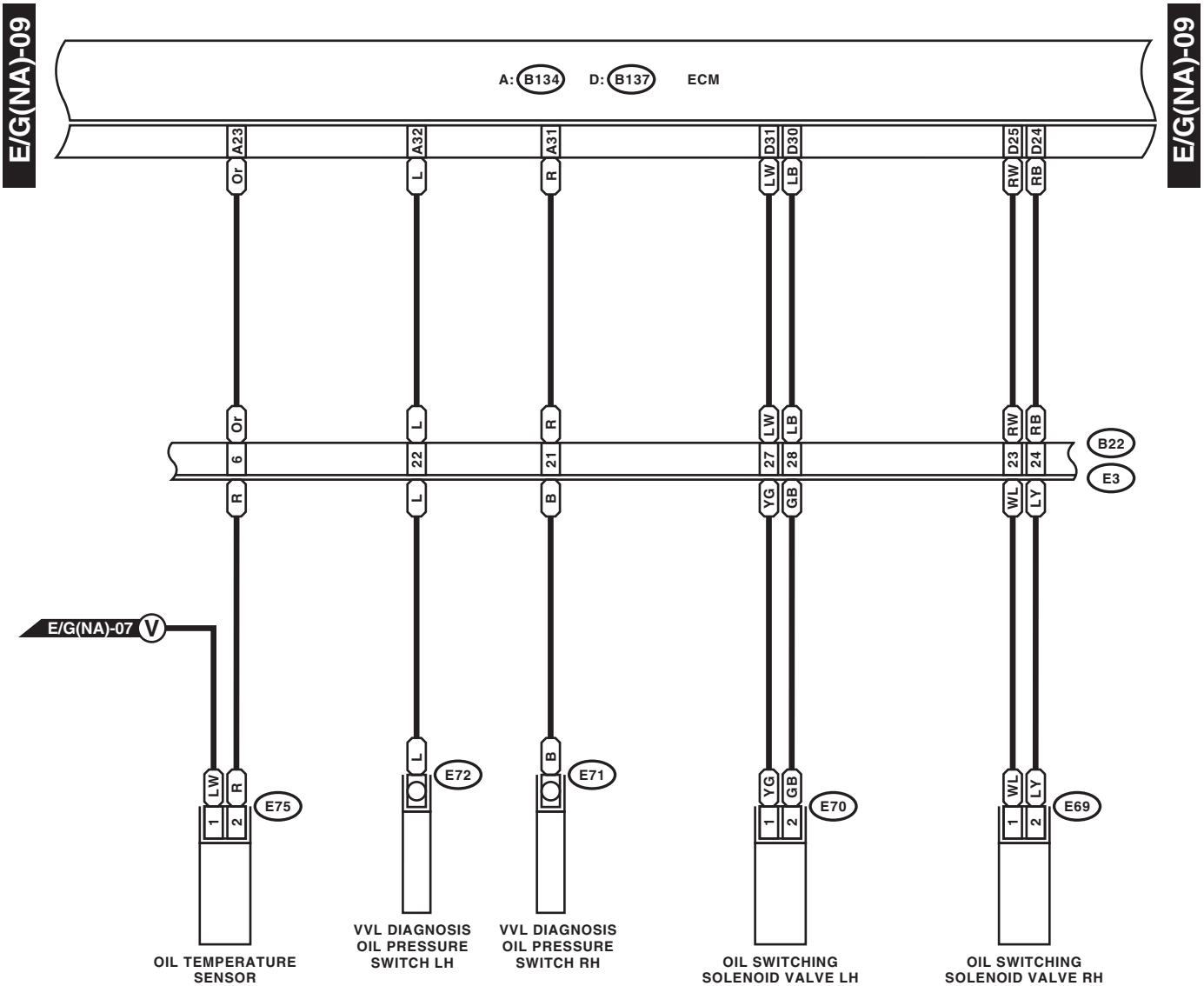
WI-14985



WI-14986

Engine Electrical System

WIRING SYSTEM



- (E69)** (BLUE)
- (E70)** (BLUE)
- (E75)** (BLACK)

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

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 |    |

**(B22)** (BLACK)

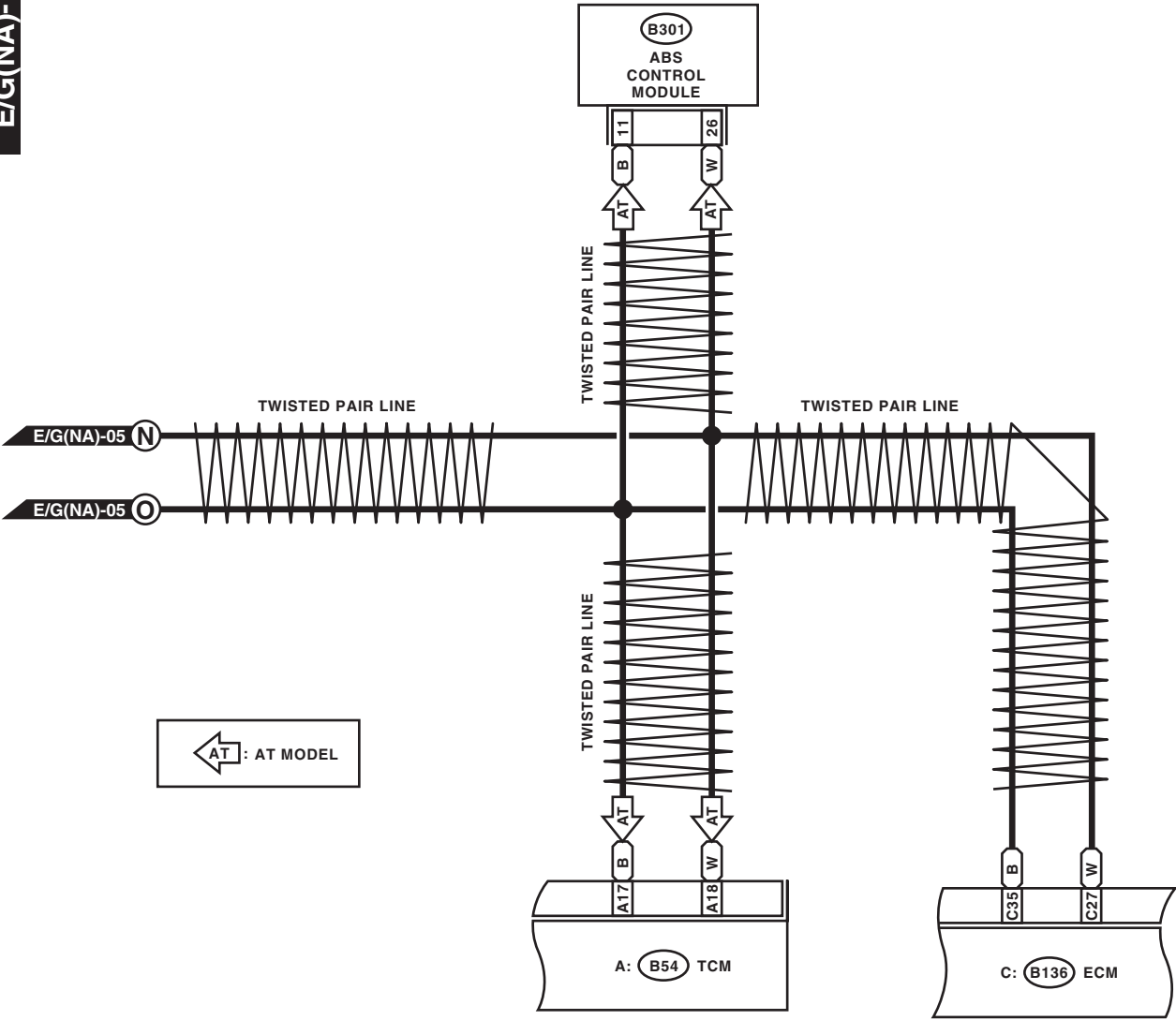
|    |    |    |    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|----|----|----|
| 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 |
| 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 |
| 34 | 35 | 36 |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

WI-14987



E/G(NA)-10

E/G(NA)-10



(B301) (BLACK)

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

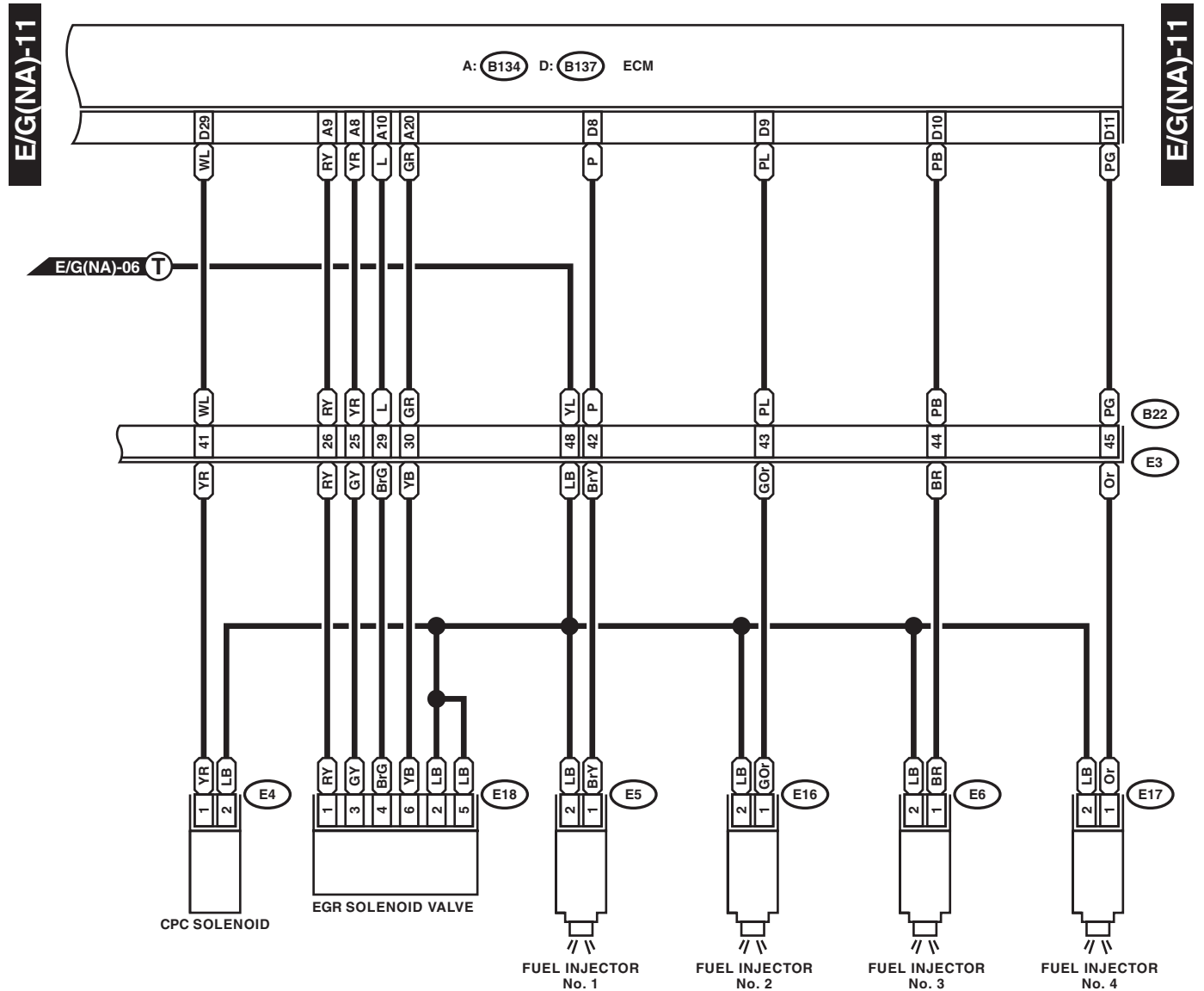
A: (B54) HR

C: (B136) HR

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

# Engine Electrical System

## WIRING SYSTEM



- E4 (BLACK)
- E5 (DARK GRAY)
- E6 (DARK GRAY)
- E16 (DARK GRAY)
- E17 (DARK GRAY)

E18 (DARK GRAY)

D: B137 HR

A: B134 HR

B22 (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 |

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

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

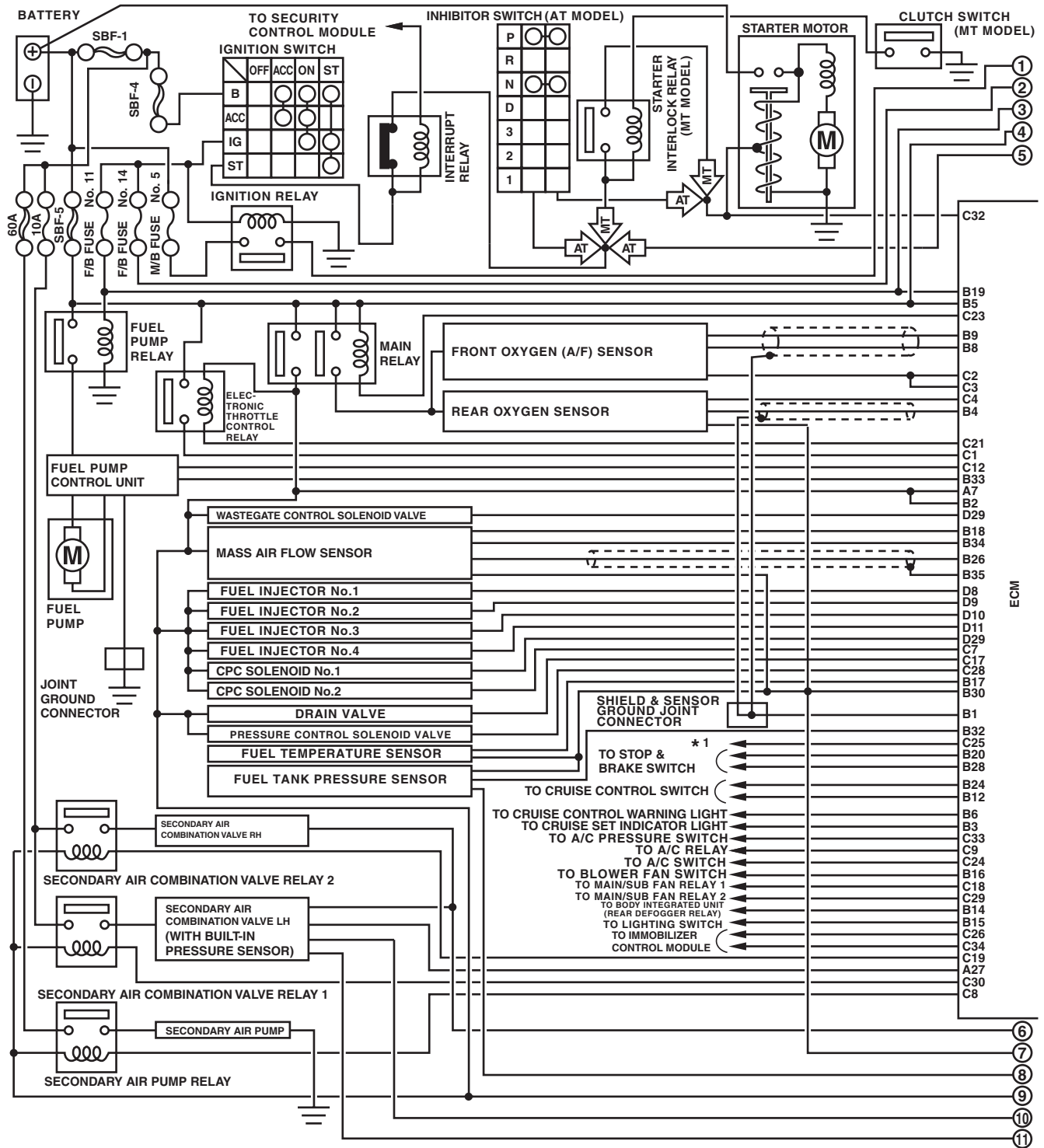
WI-14989



# Engine Electrical System

## WIRING SYSTEM

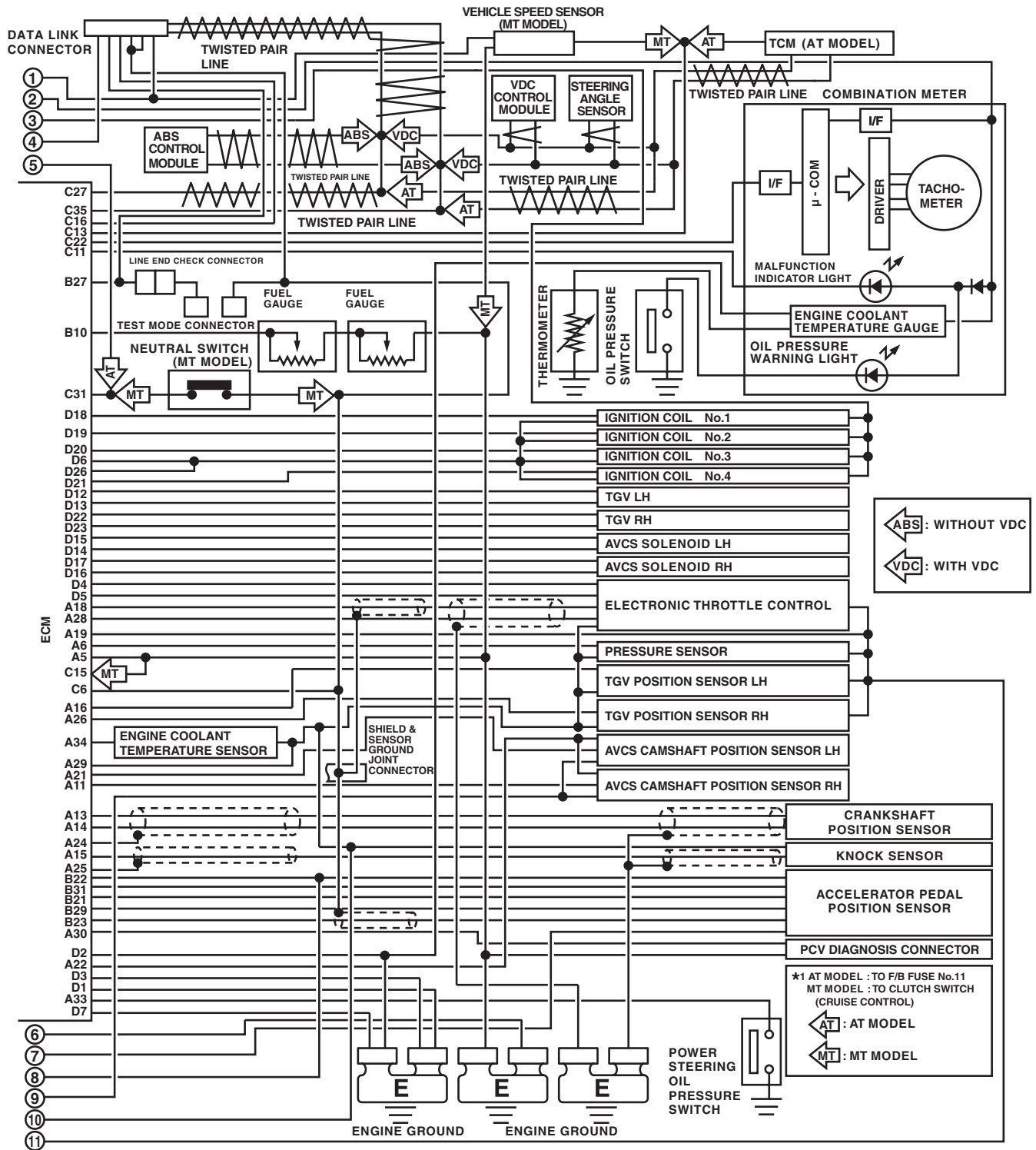
### 2. TURBO MODEL



WI-12217

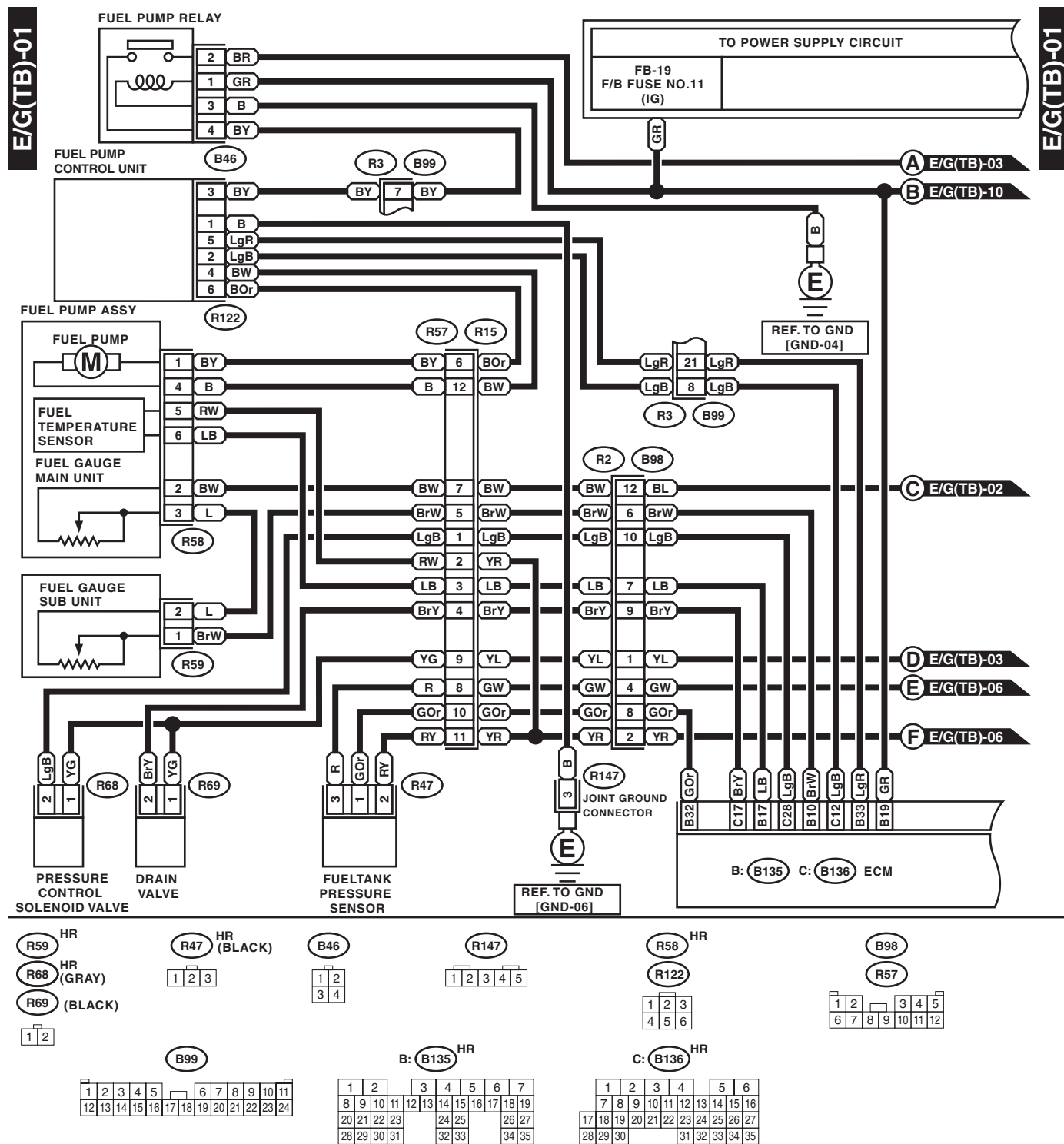
# Engine Electrical System

WIRING SYSTEM



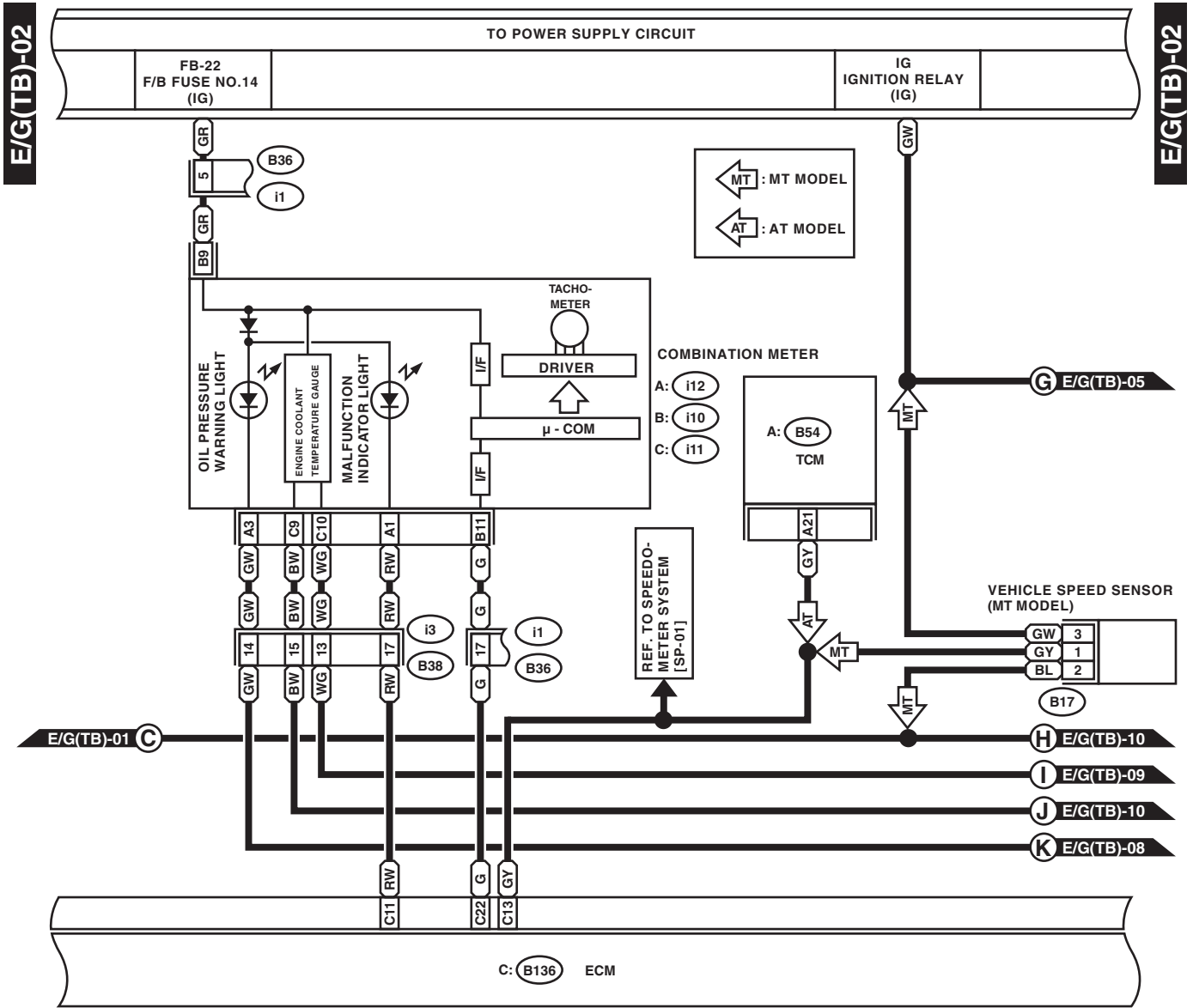
WI-15233

## WIRING SYSTEM



# Engine Electrical System

WIRING SYSTEM



B17 HR (BLACK)

|   |   |
|---|---|
| 1 | 2 |
| 3 | 4 |

C: i11 (GREEN)

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

A: i12 (GREEN)

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

B36

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

B: 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 |

B38

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

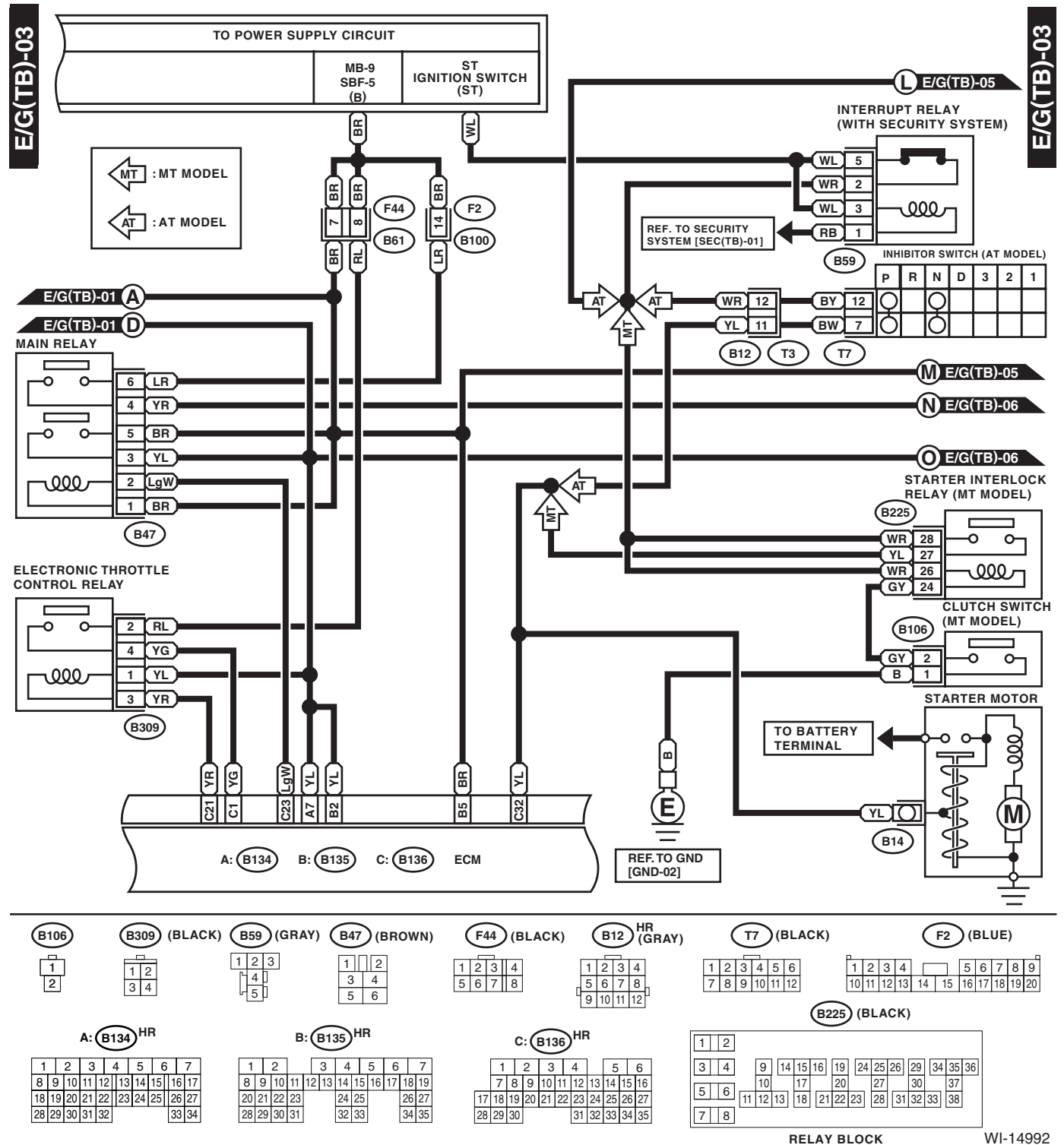
A: B54 HR C: B136 HR

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

WI-14991

# Engine Electrical System

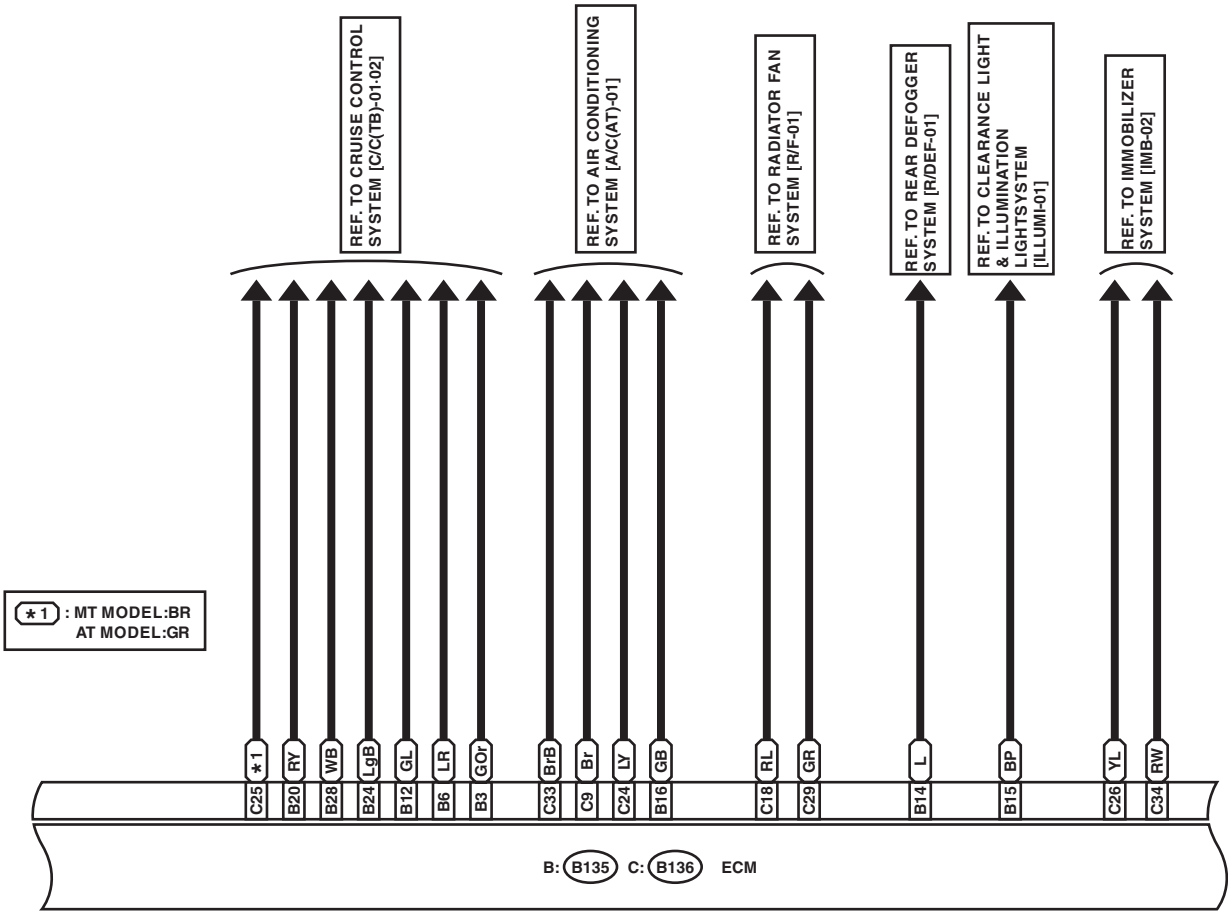
## WIRING SYSTEM





E/G(TB)-04

E/G(TB)-04



B: B135 HR

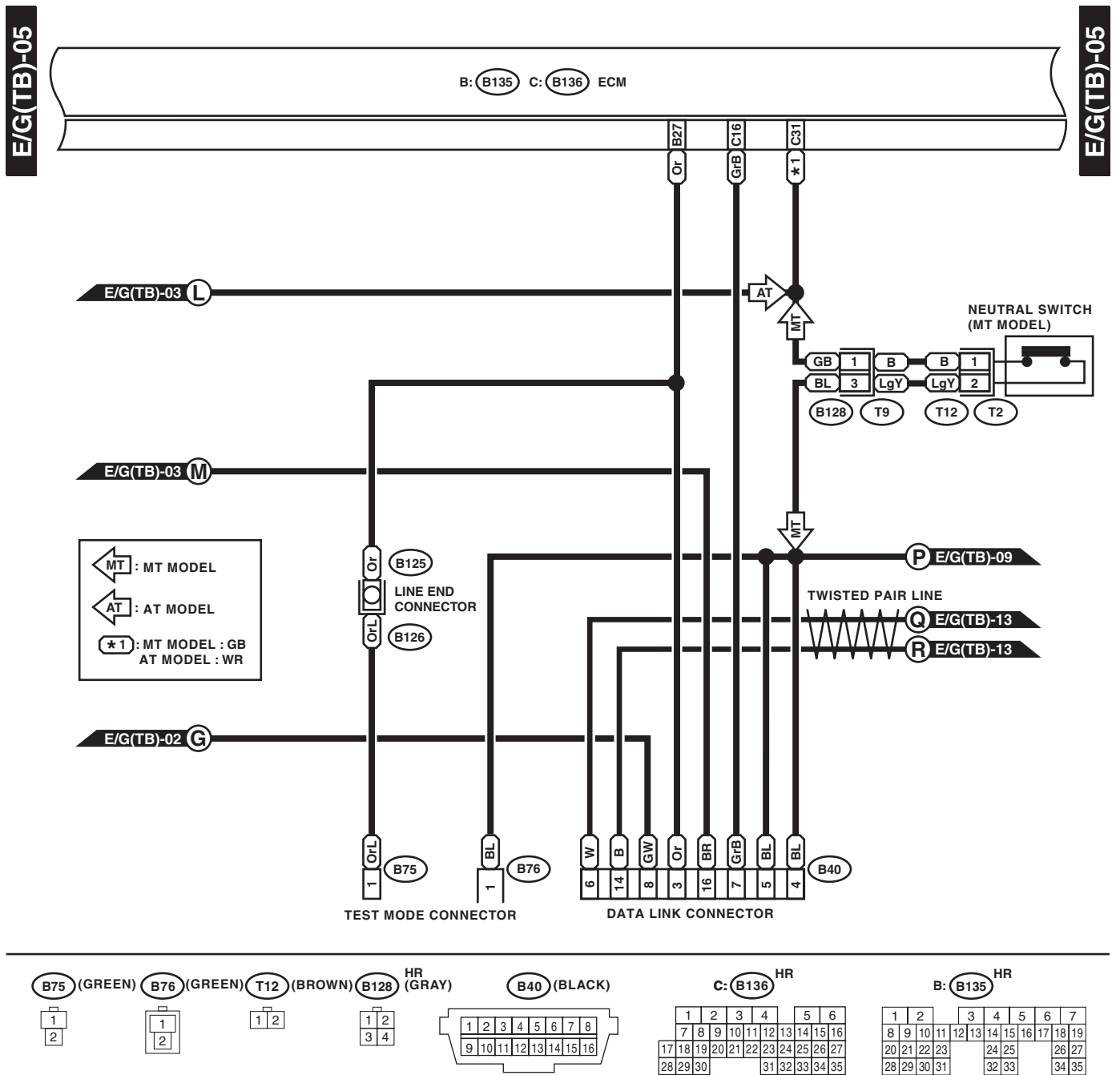
|    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|
| 1  | 2  | 3  | 4  | 5  | 6  | 7  |
| 8  | 9  | 10 | 11 | 12 | 13 | 14 |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 29 | 30 | 31 | 32 | 33 | 34 | 35 |

C: B136 HR

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

# Engine Electrical System

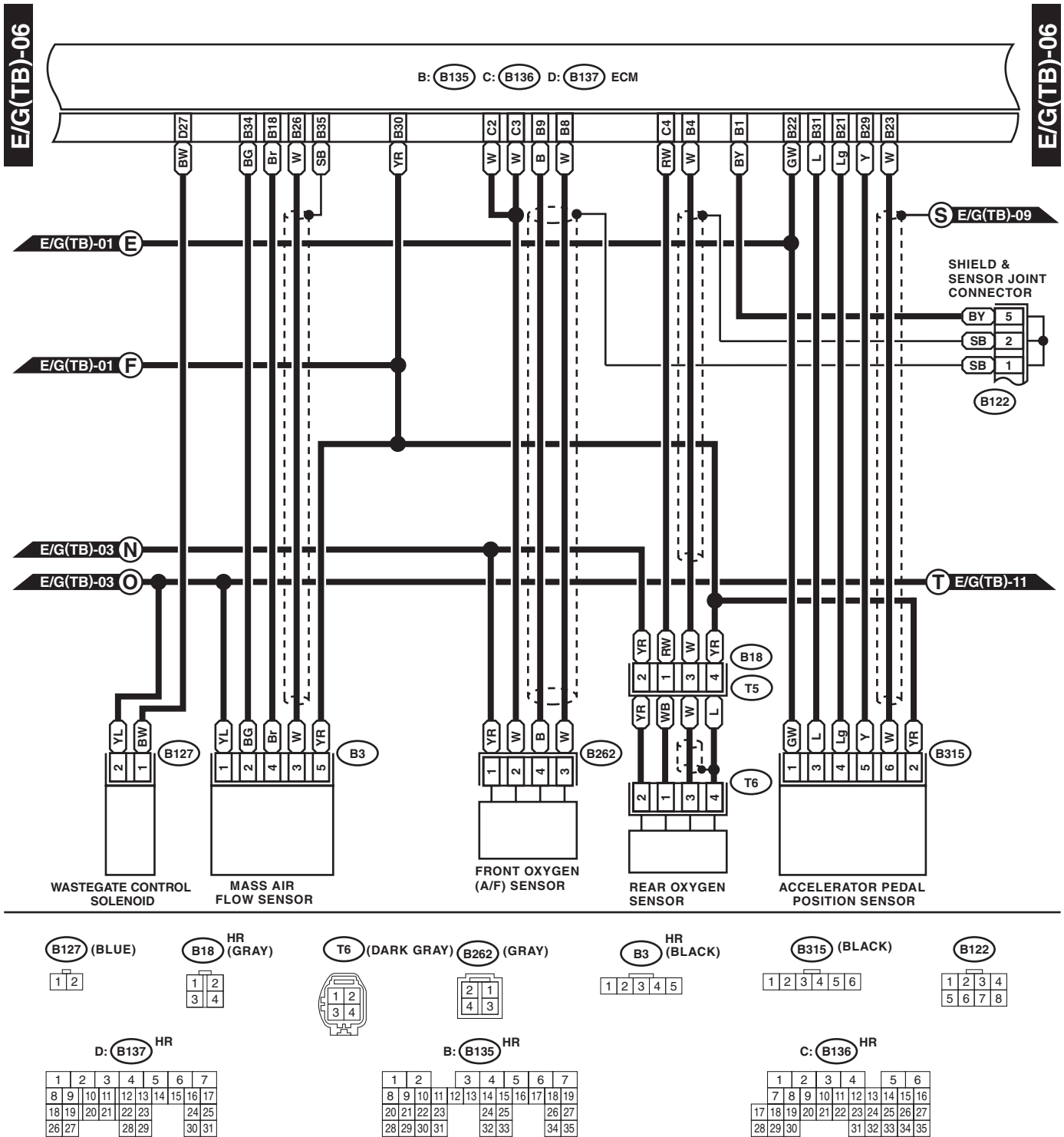
## WIRING SYSTEM



WI-14994

# Engine Electrical System

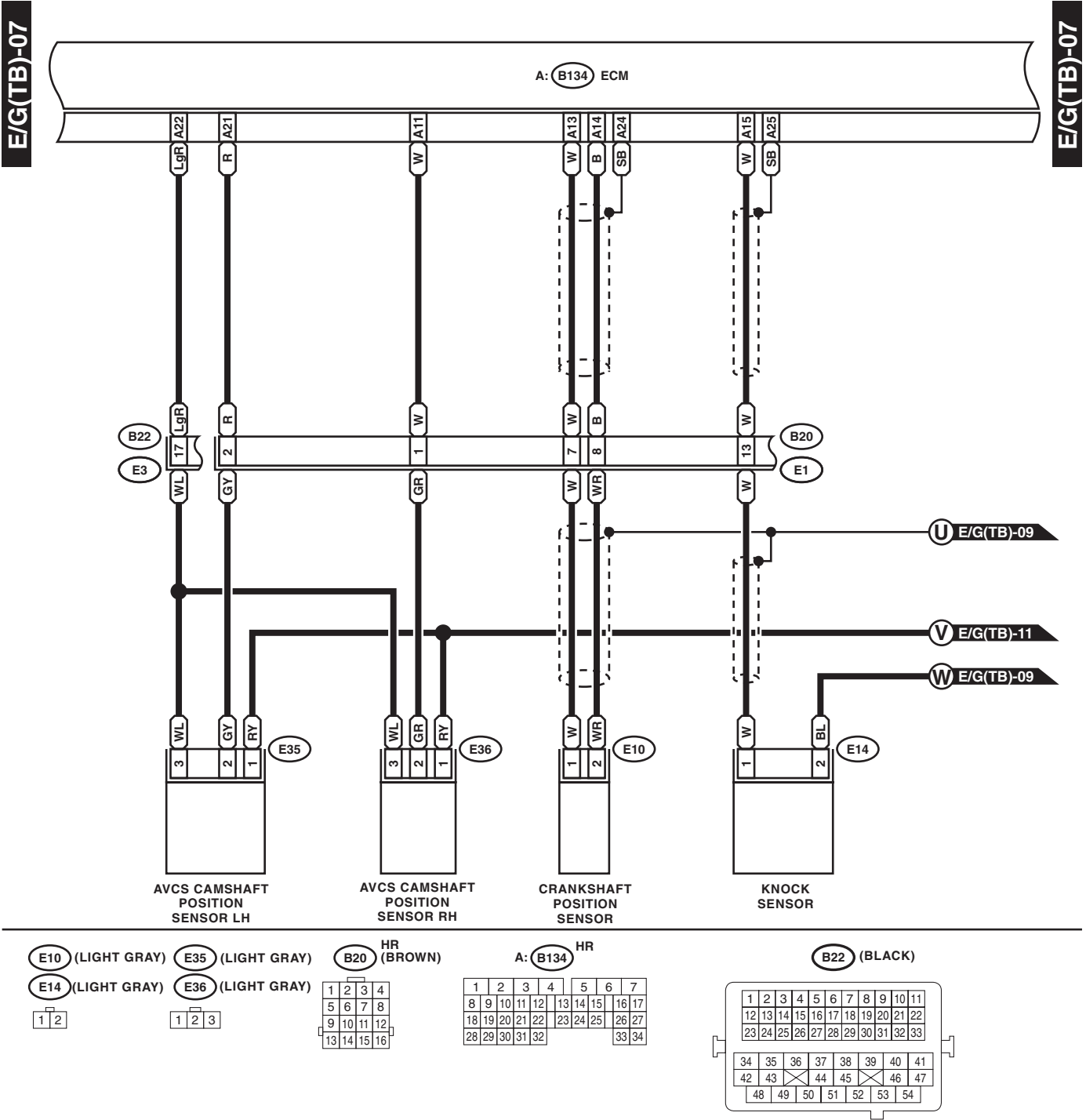
WIRING SYSTEM



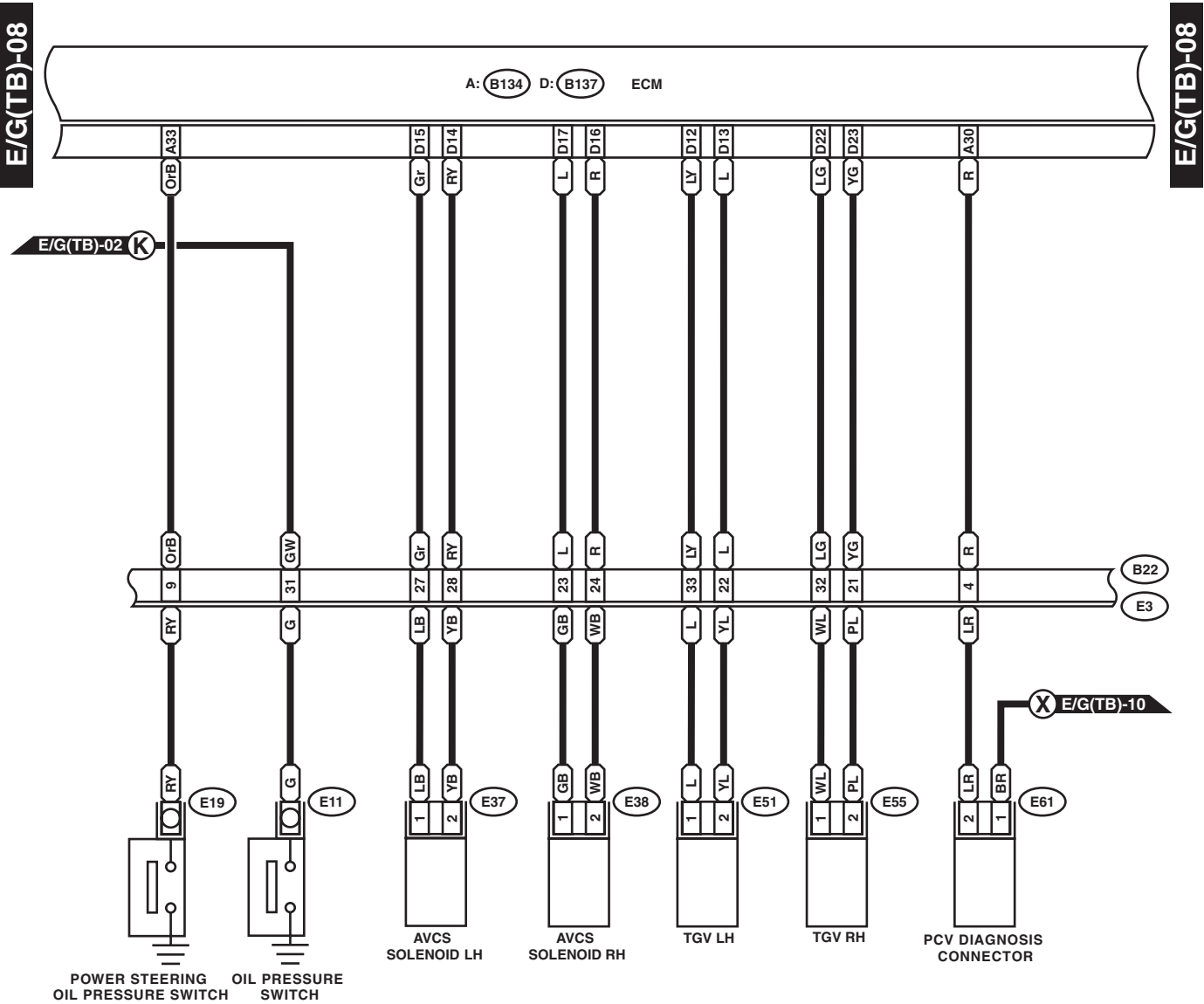
WI-14995

Engine Electrical System

WIRING SYSTEM



WI-14996



- E37 (BLUE)
  - E38 (BLUE)
  - E51 (BLACK)
  - E55 (BLACK)
  - E61 (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 | 32 | 33 | 34 | 35 |

A: B134 HR

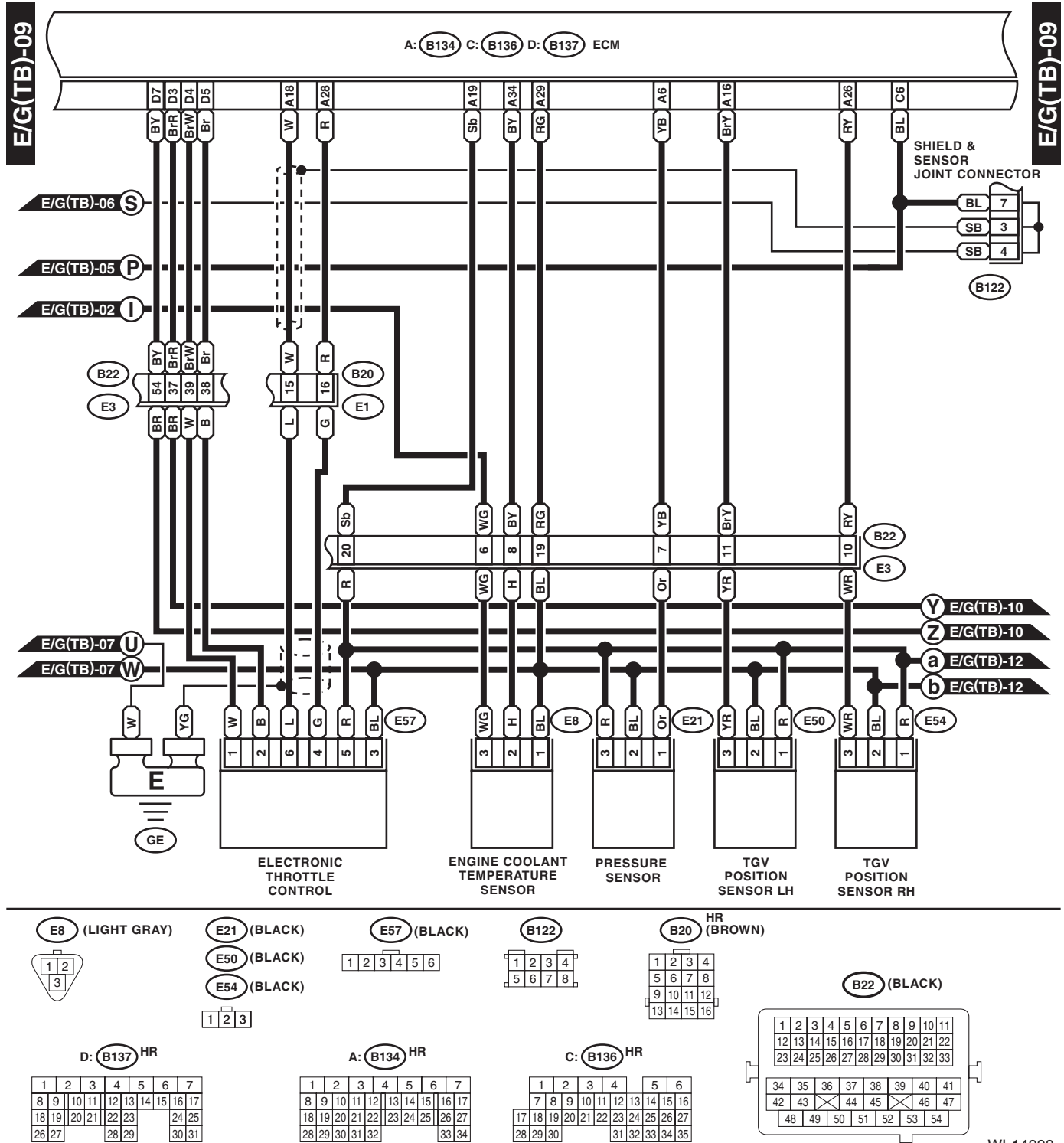
|    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|
| 1  | 2  | 3  | 4  | 5  | 6  | 7  |
| 8  | 9  | 10 | 11 | 12 | 13 | 14 |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 29 | 30 | 31 | 32 | 33 | 34 | 35 |

B22 (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 |

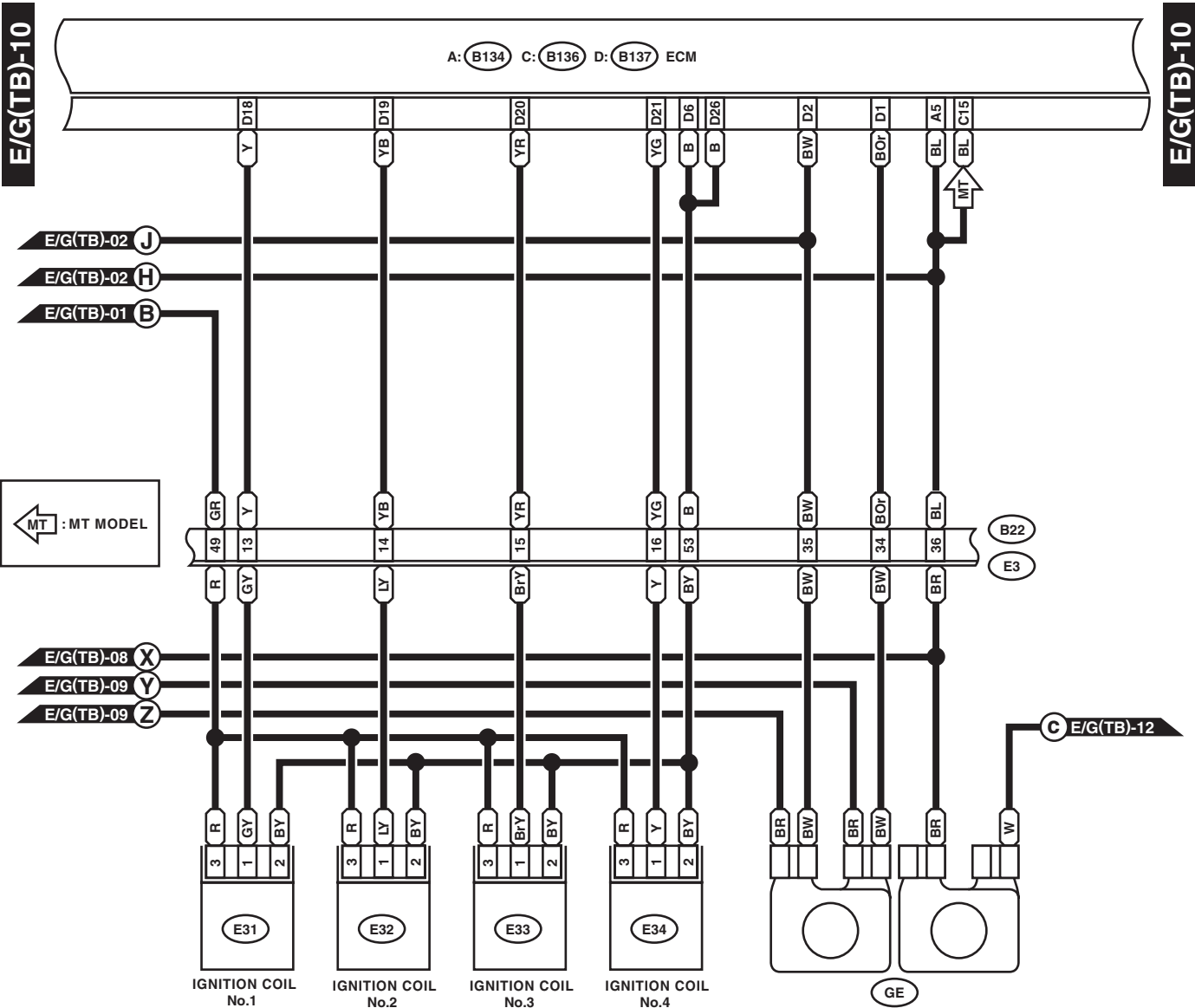
# Engine Electrical System

## WIRING SYSTEM



Engine Electrical System

WIRING SYSTEM



E31

E32

E33 (BLACK)

E34 (BLACK)

1

2

3

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 |

C: B136 HR

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

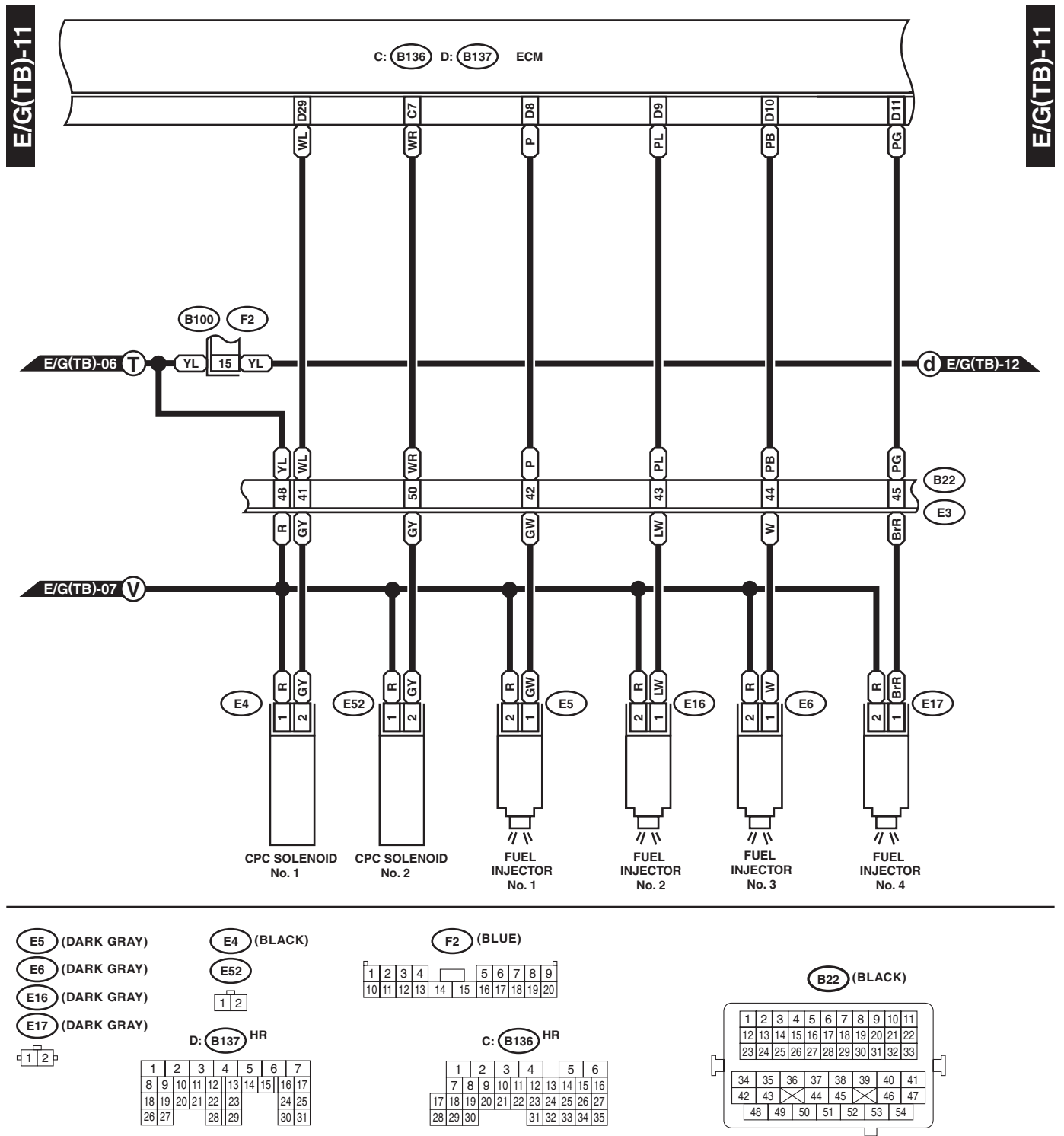
B22 (BLACK)

|    |    |    |    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|----|----|----|
| 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-14999

# Engine Electrical System

## WIRING SYSTEM



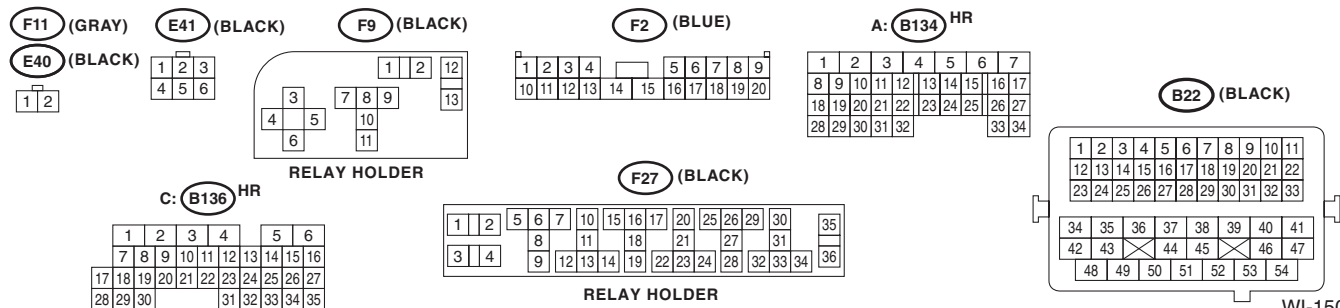
WI-15000



## WIRING SYSTEM

**E/G(TB)-12**

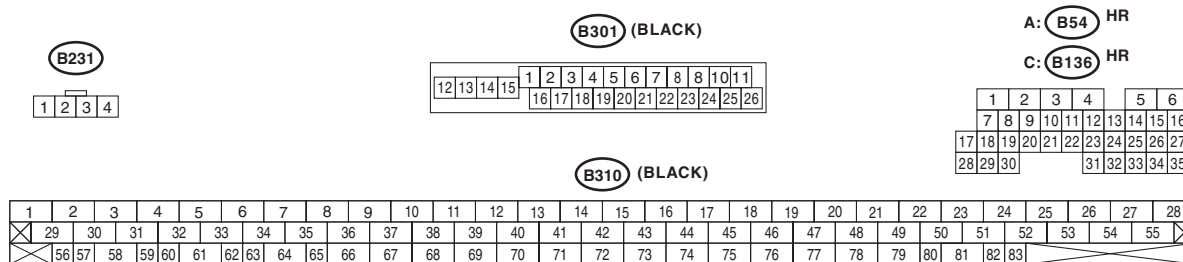
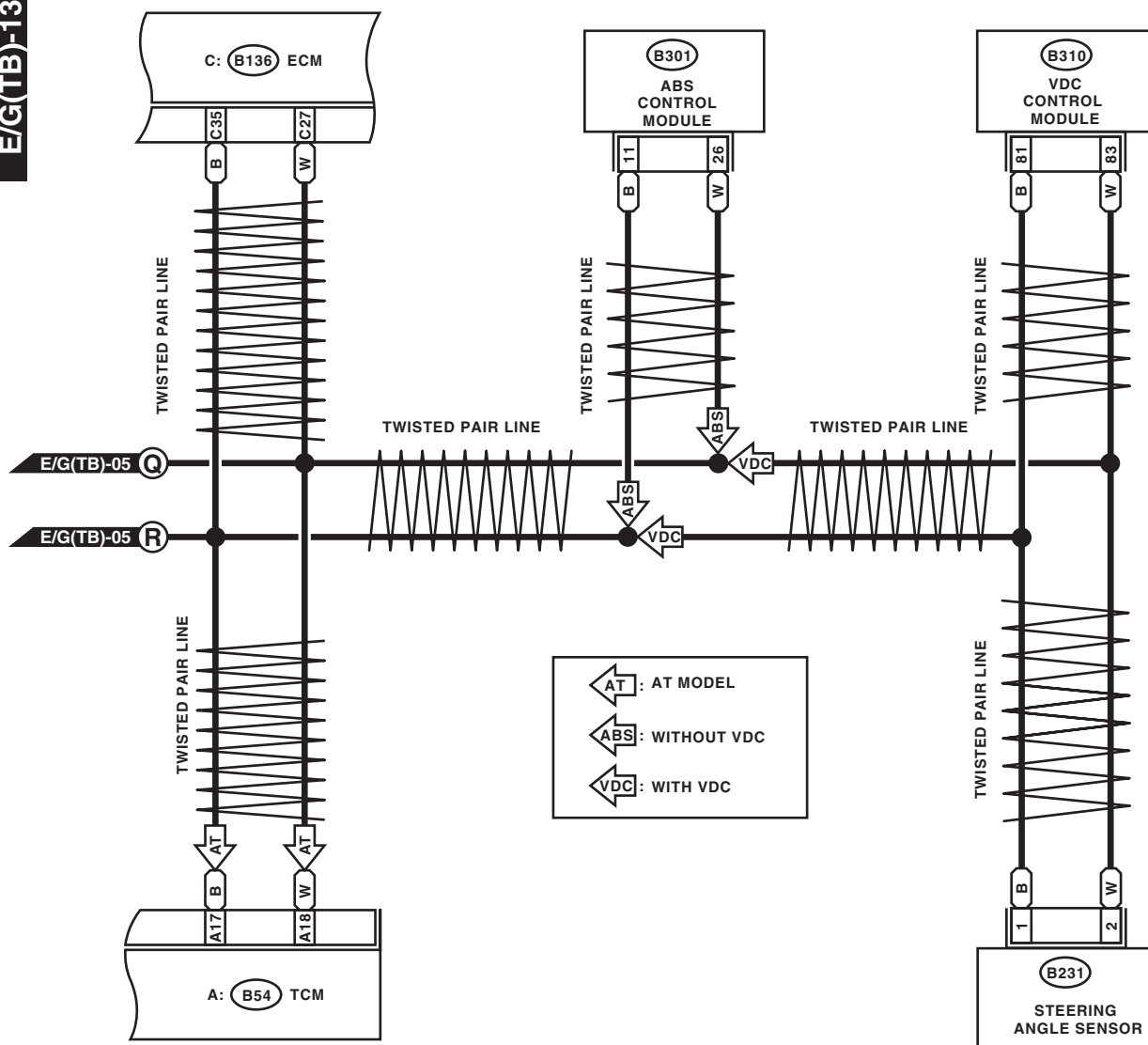
E/G(TB)-12



WI-15001

**E/G(TB)-13**

**E/G(TB)-13**

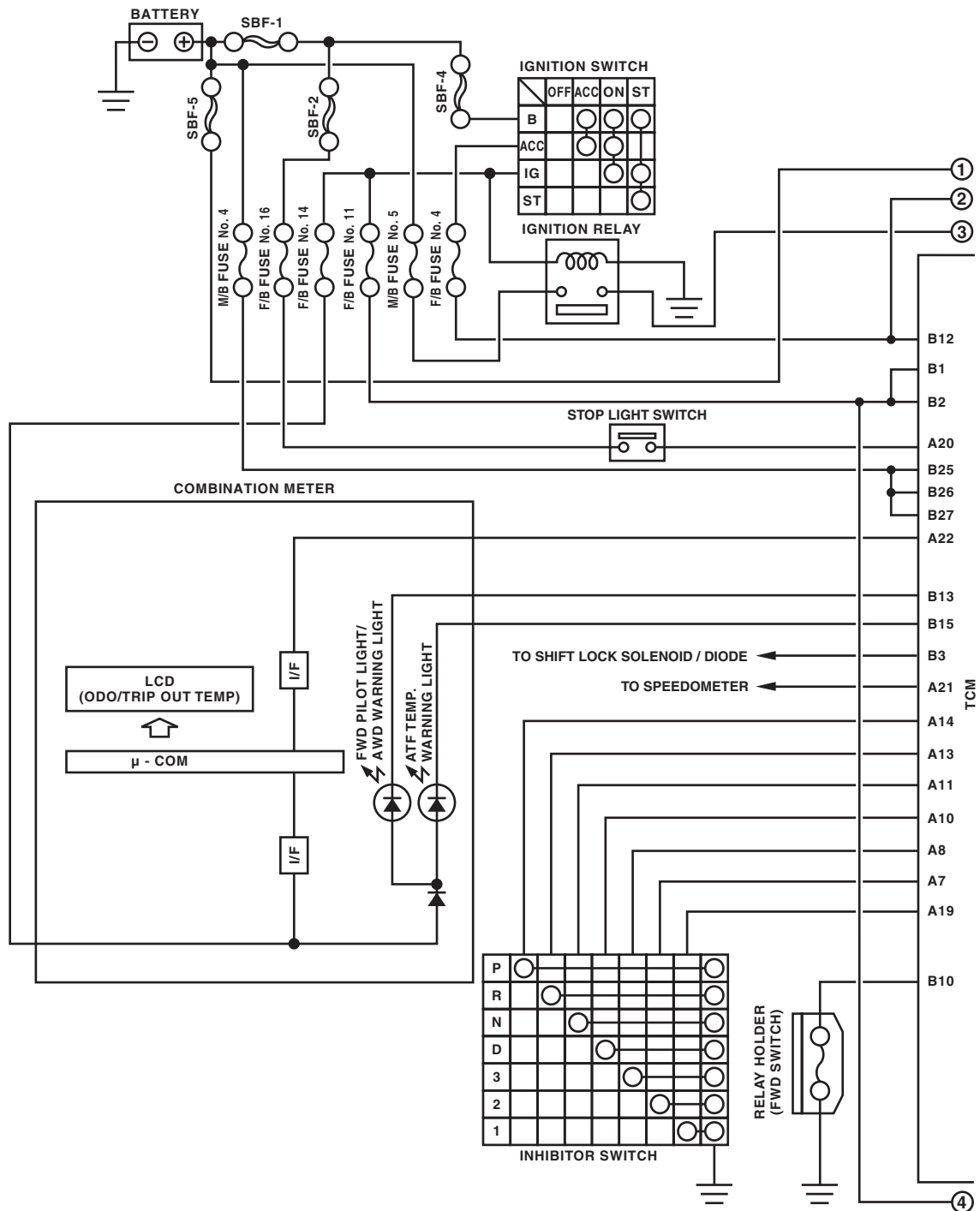


WI-15234

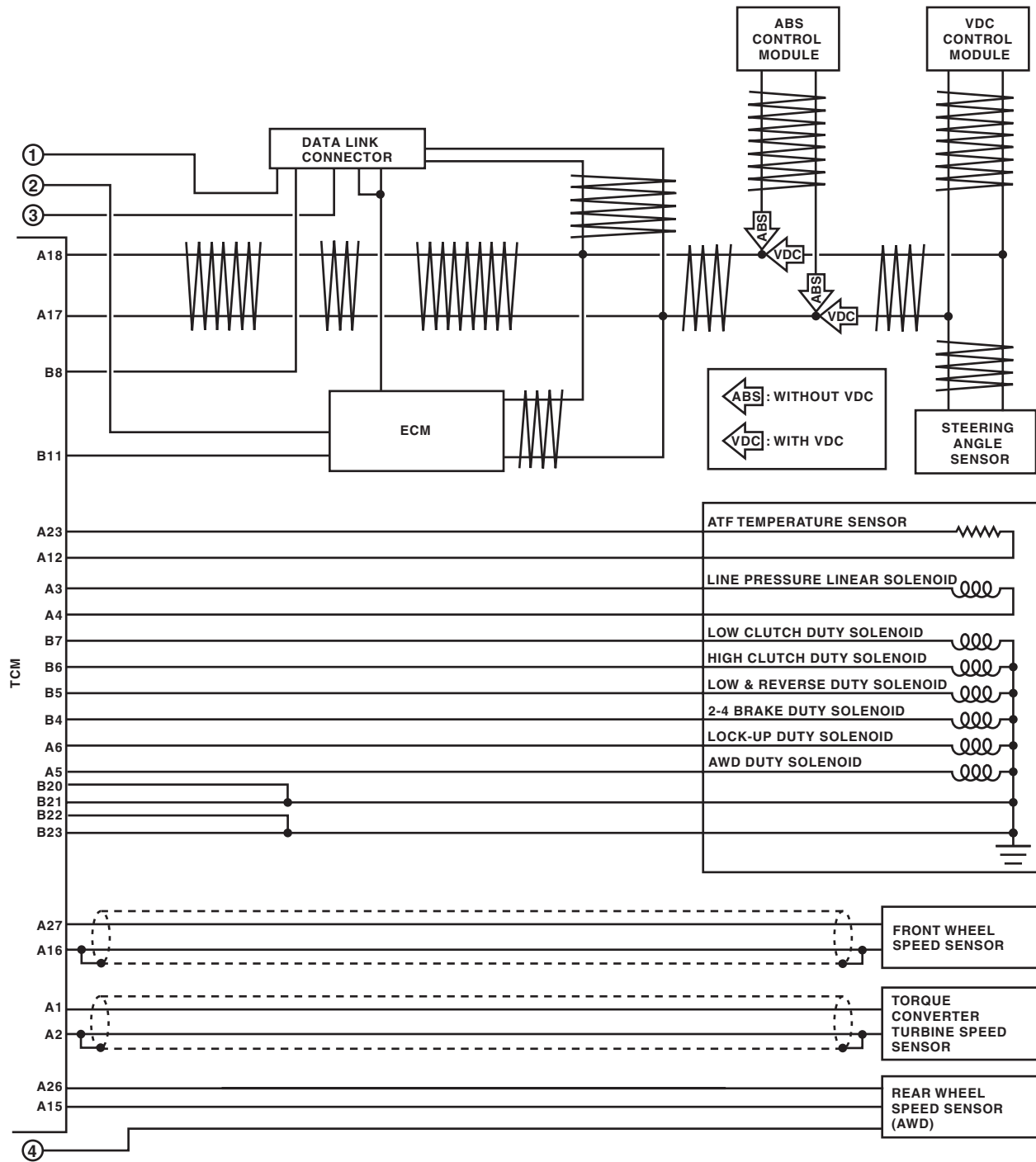


## 6. AT Control System

## A: WIRING DIAGRAM



WI-12232



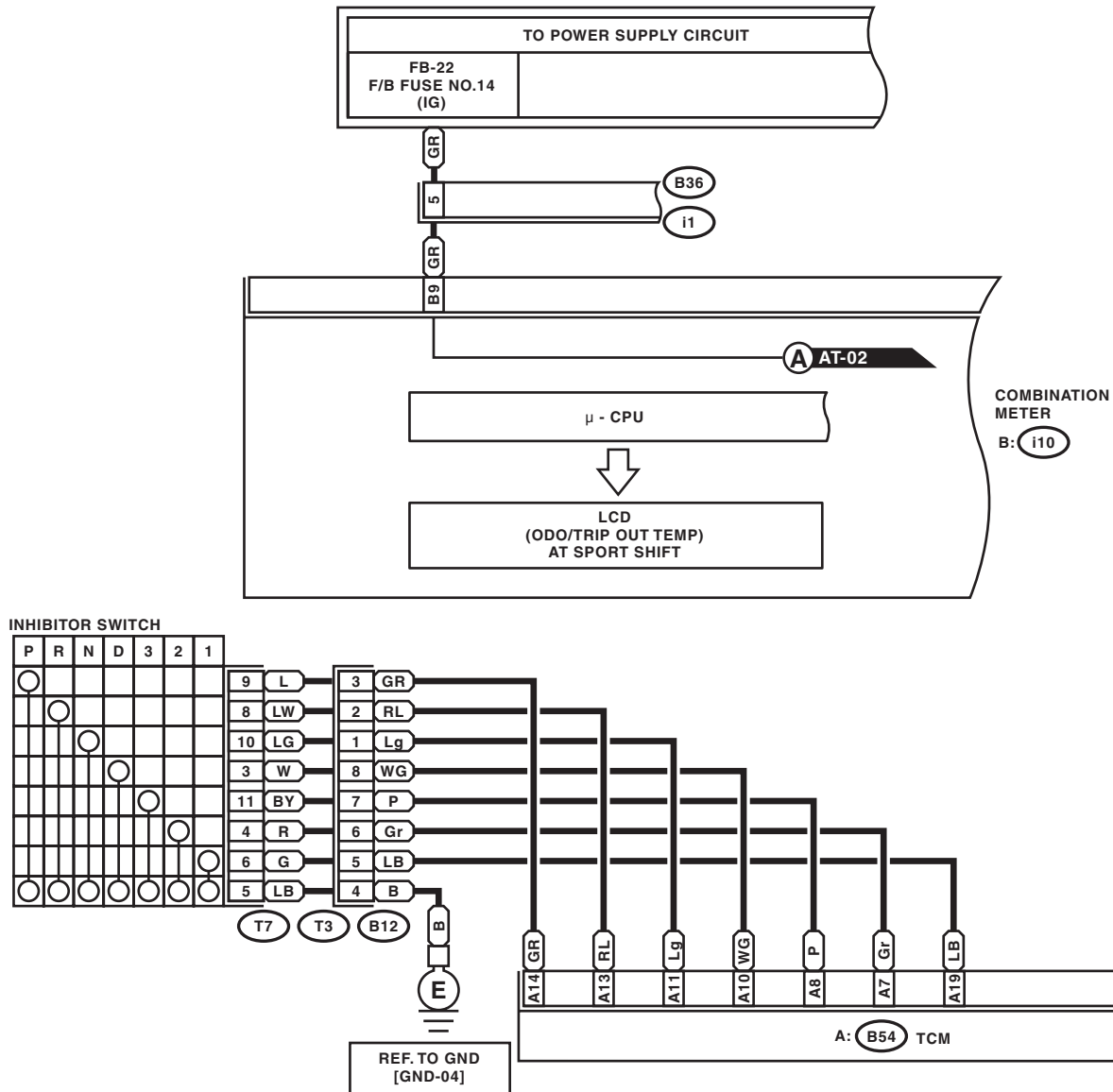
WI-15235

# AT Control System

## WIRING SYSTEM

AT-01

AT-01



B12 HR (GRAY)

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

T7 (BLACK)

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

B36

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

B: i10 (GREEN)

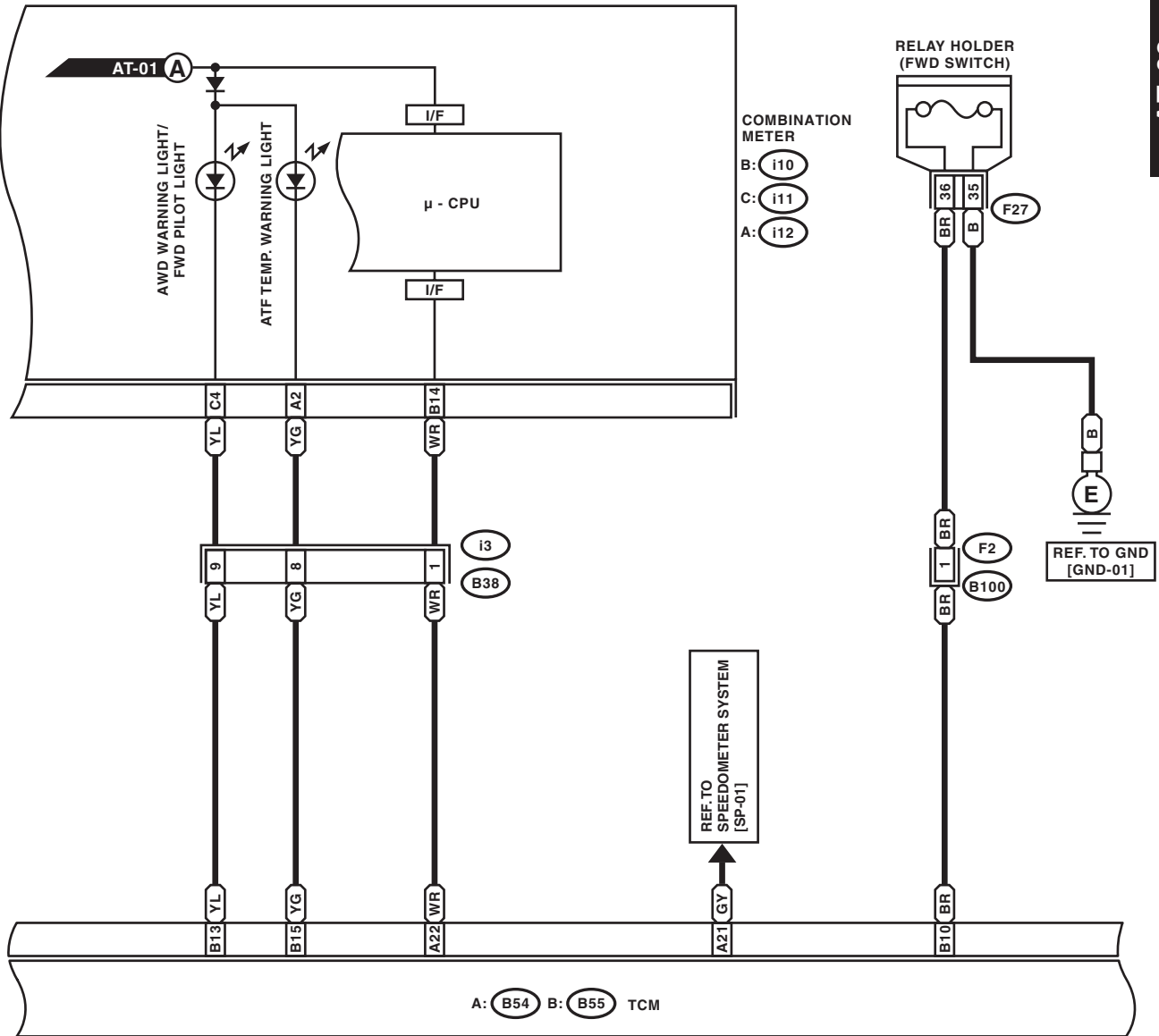
|    |    |    |    |    |    |    |                                                                                       |    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|---------------------------------------------------------------------------------------|----|----|----|----|----|----|----|----|
| 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: B54 HR

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

WI-15003

AT-02



AT-02

C: i11 (GREEN)

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

A: i12 (GREEN)

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

F2 (BLUE)

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

B: 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 |

B38

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

A: B54 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 |    |

B: B55 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 |

F27 (BLACK)

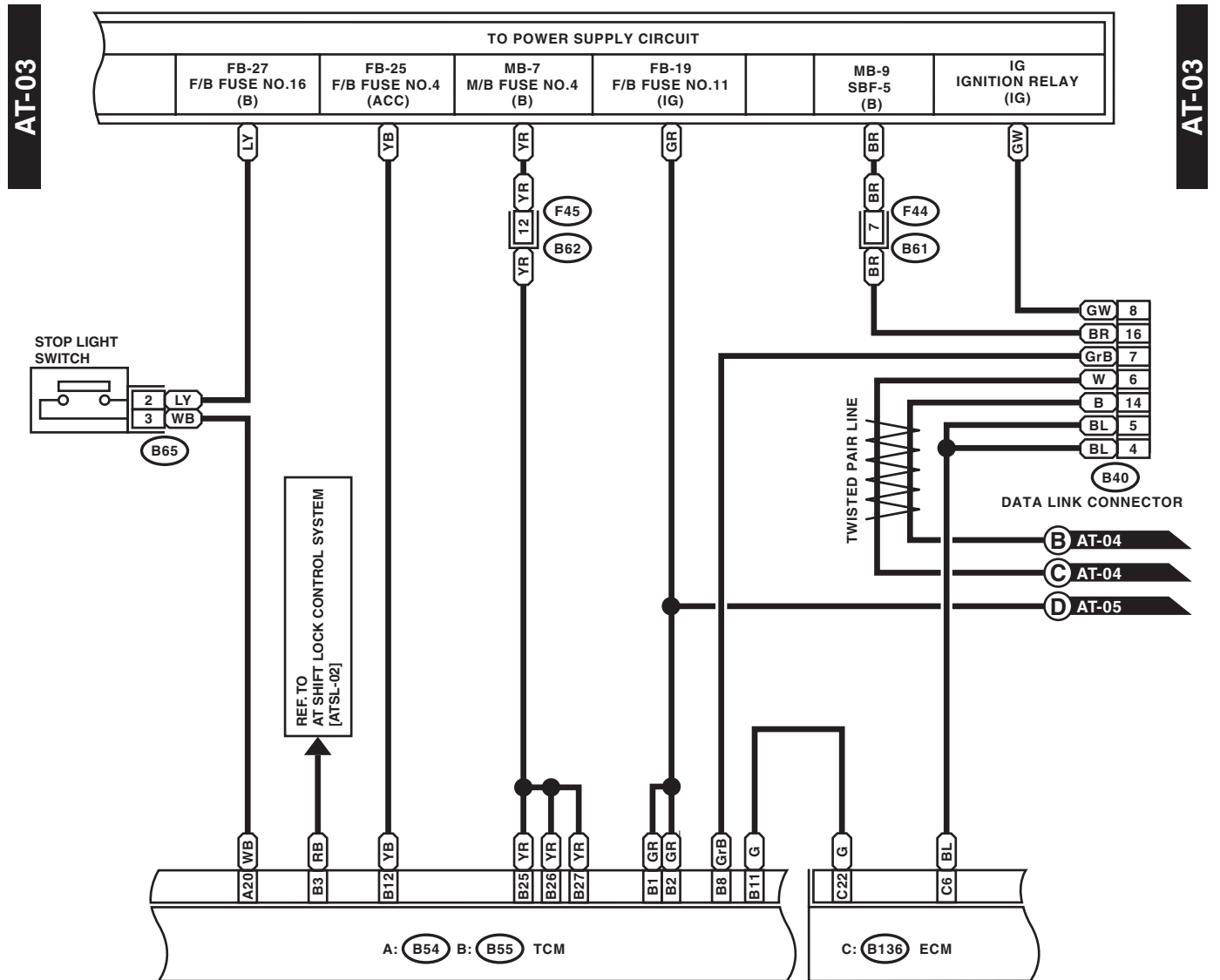
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 29 | 30 | 31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

RELAY HOLDER

WI-15004

# AT Control System

## WIRING SYSTEM



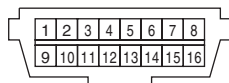
B65 (BLACK)



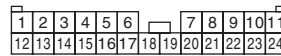
F44 (BLACK)



B40 (BLACK)

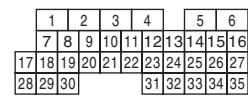


F45 (BLACK)

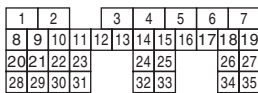


A: B54 HR

C: B136 HR



B: B55 HR

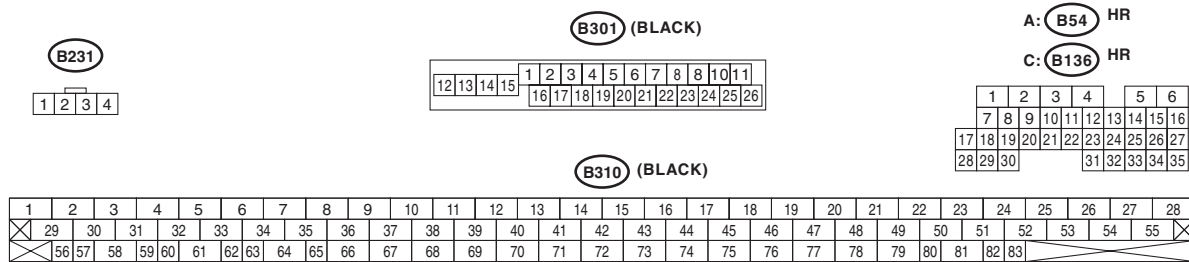
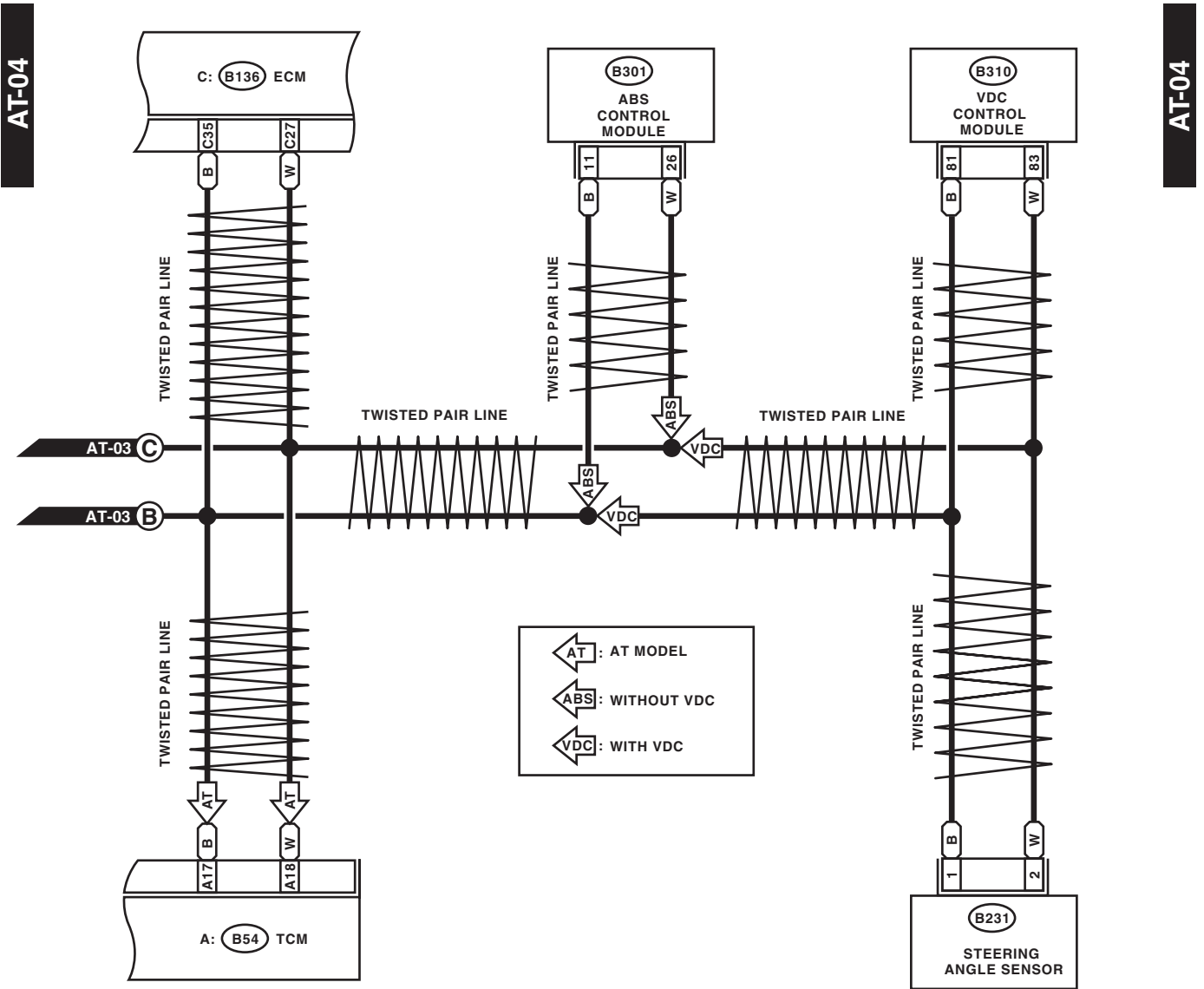


WI-15005



# AT Control System

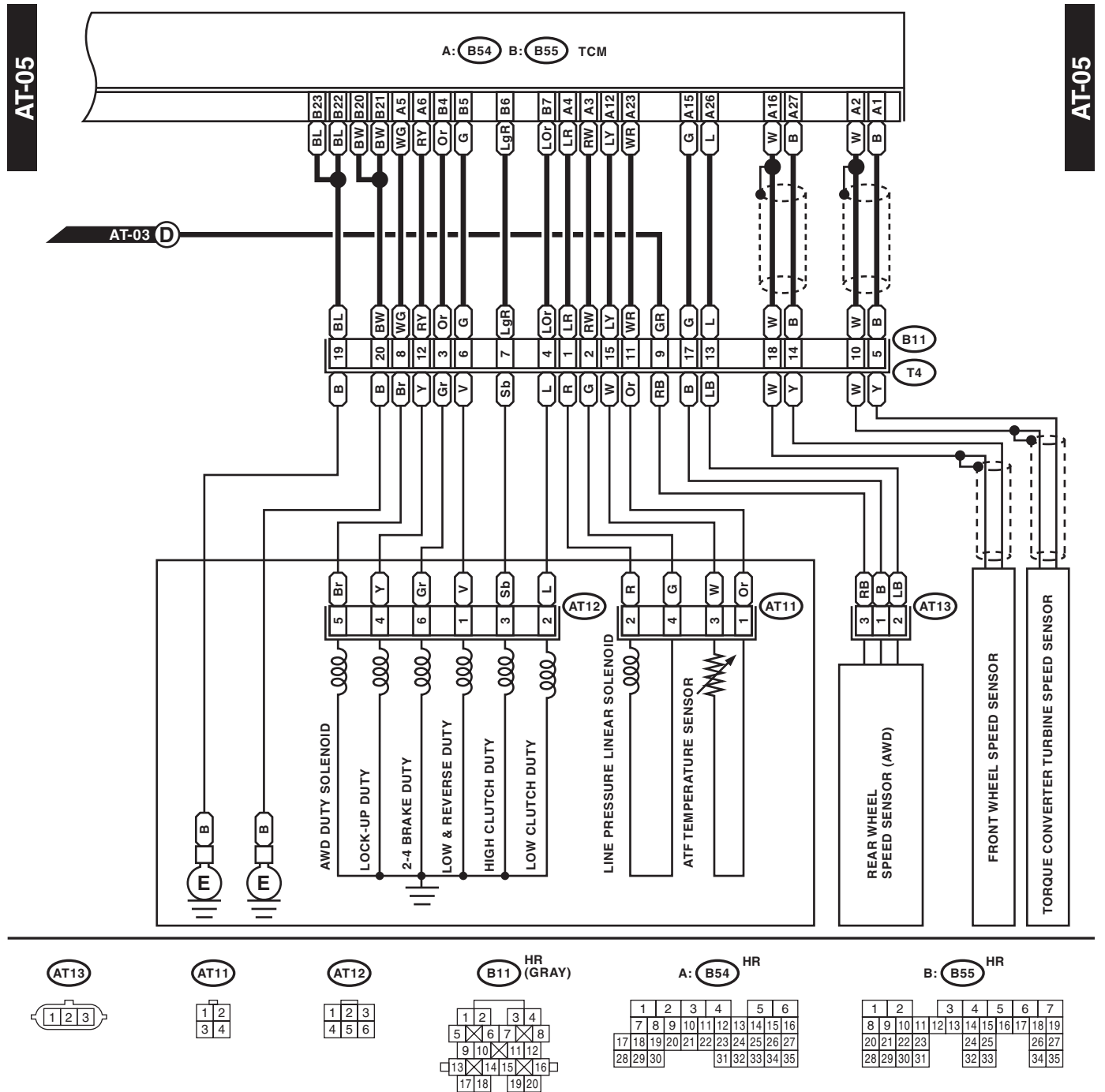
WIRING SYSTEM



WI-15236

# AT Control System

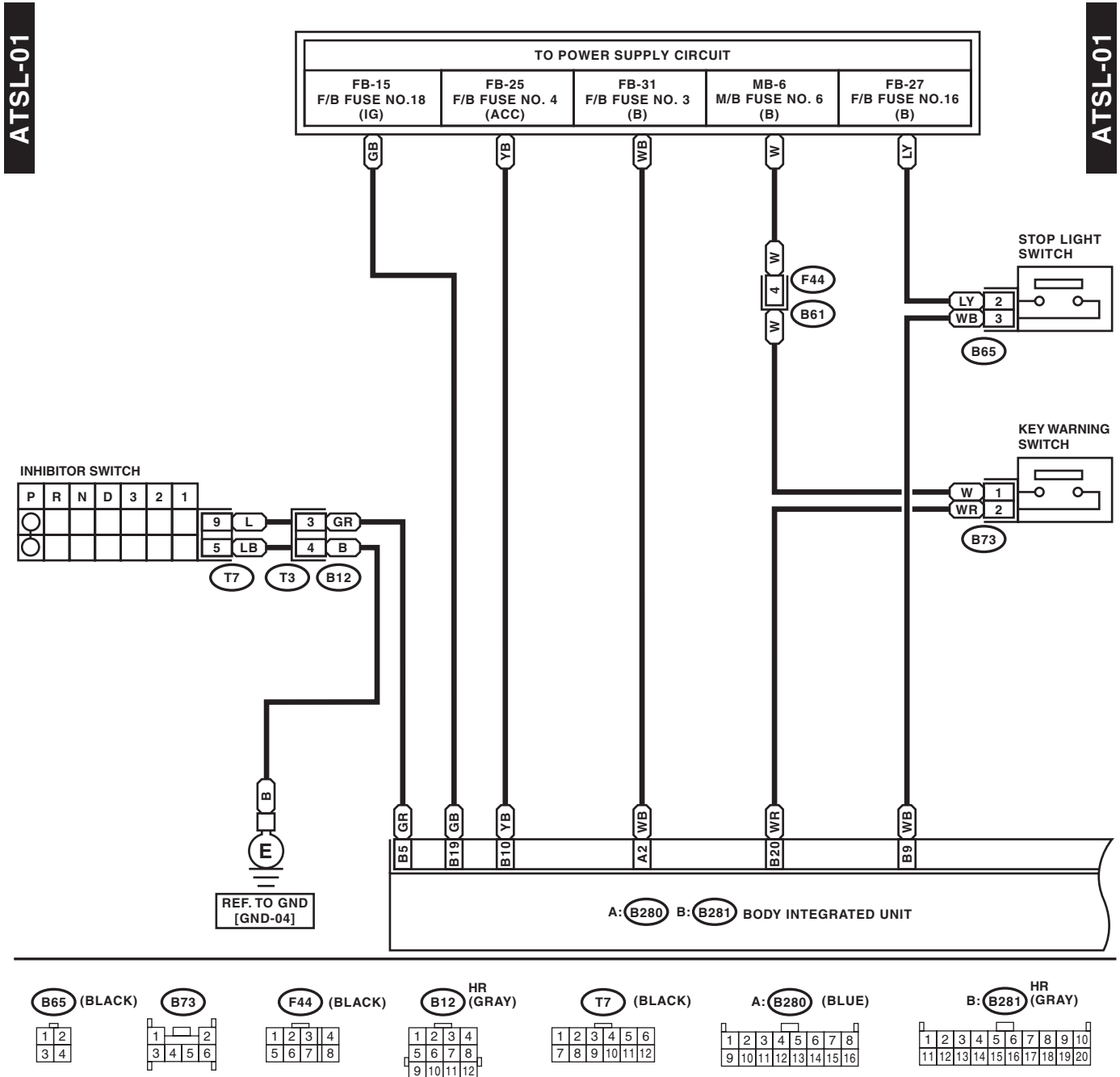
## WIRING SYSTEM



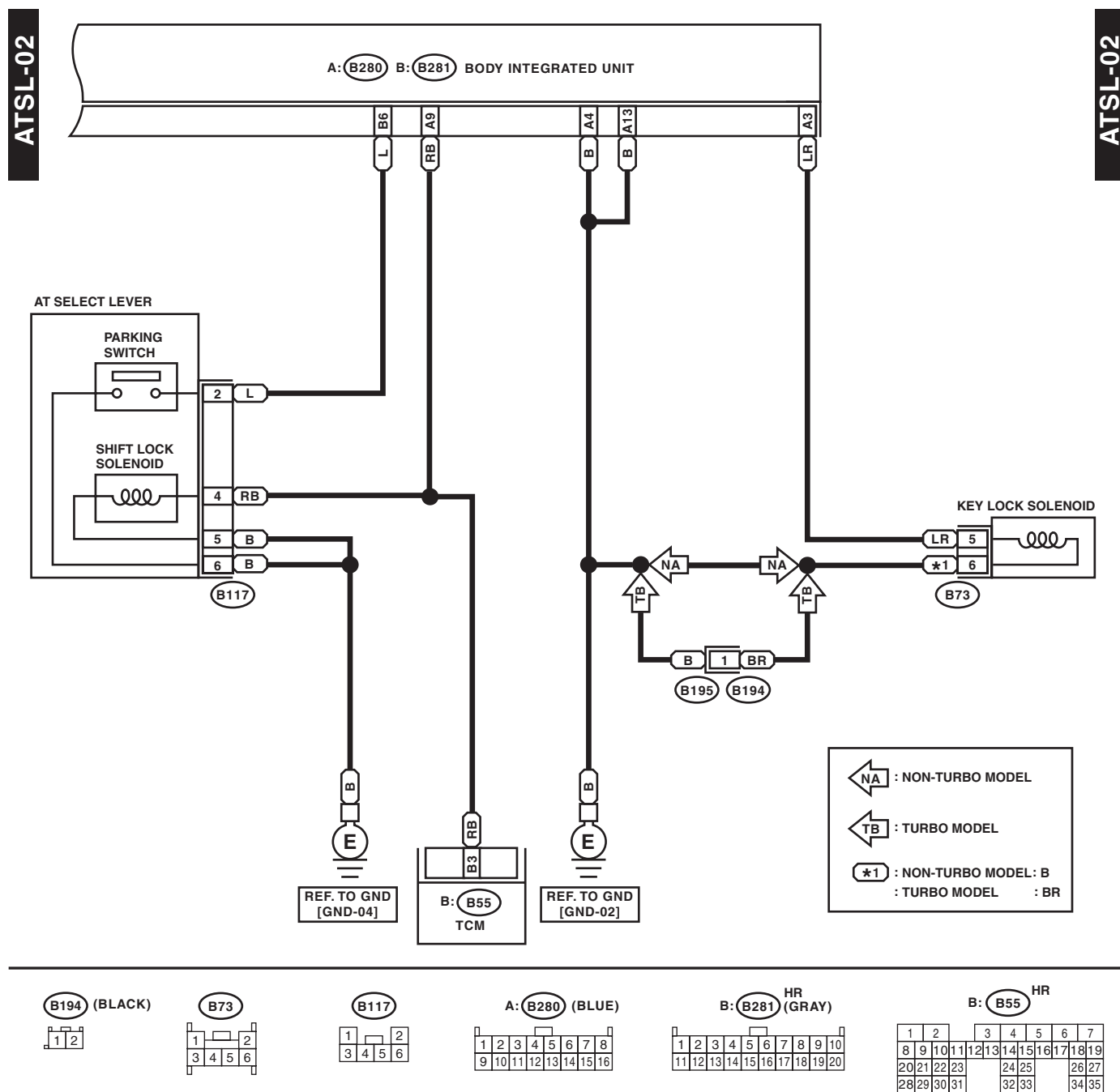
WI-15007

## 7. AT Shift Lock Control System

### A: WIRING DIAGRAM

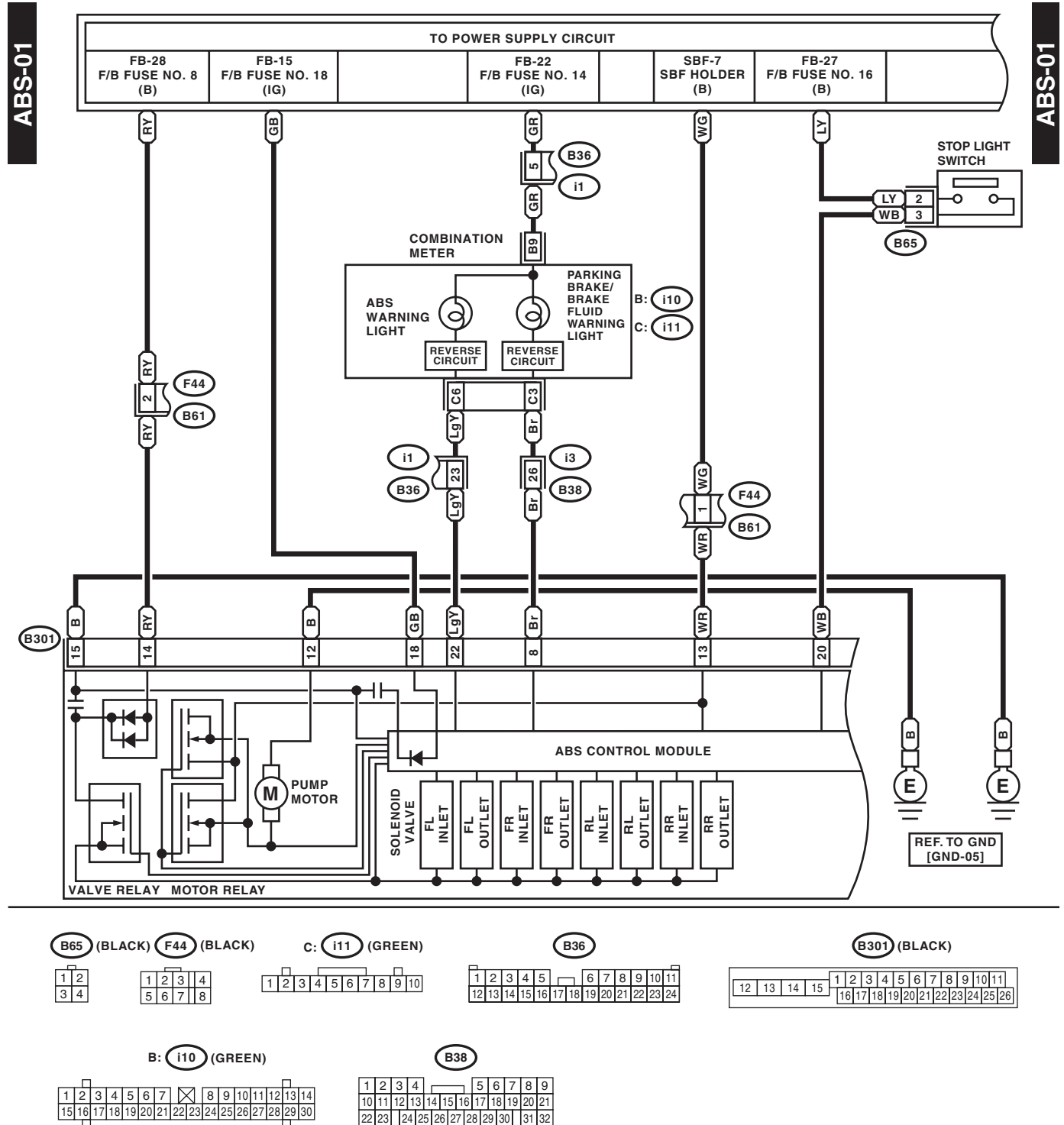


WI-15008



### 8. Anti-Lock Brake System

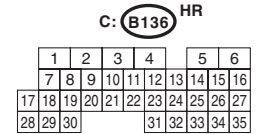
#### A: WIRING DIAGRAM



WI-15250

## WIRING SYSTEM

# ABS-02

**WI-72**

## WIRING SYSTEM

**ABS-03**

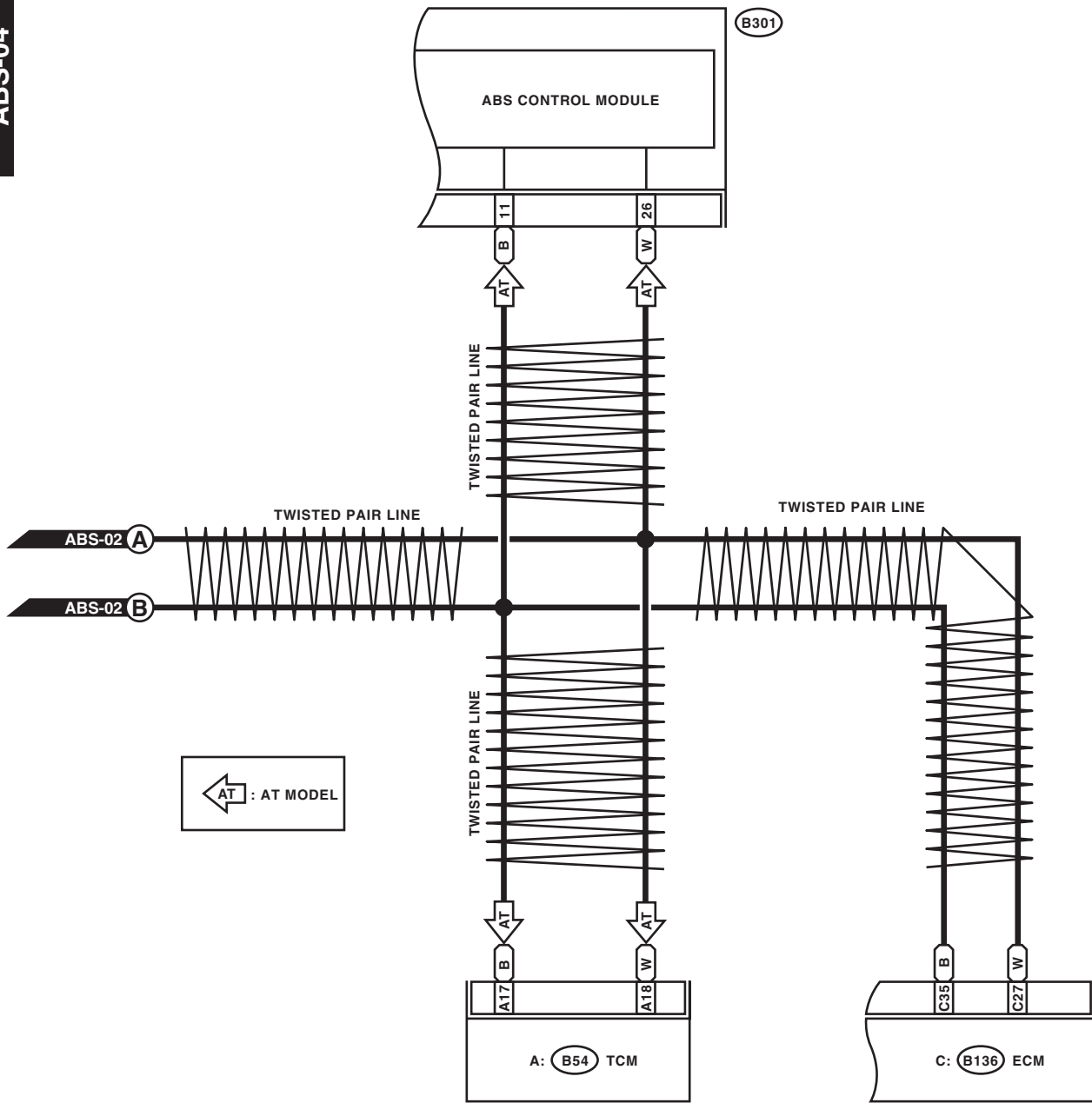


# Anti-Lock Brake System

## WIRING SYSTEM

ABS-04

ABS-04



**B301** (BLACK)

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

**A: B54** HR

**C: B136** HR

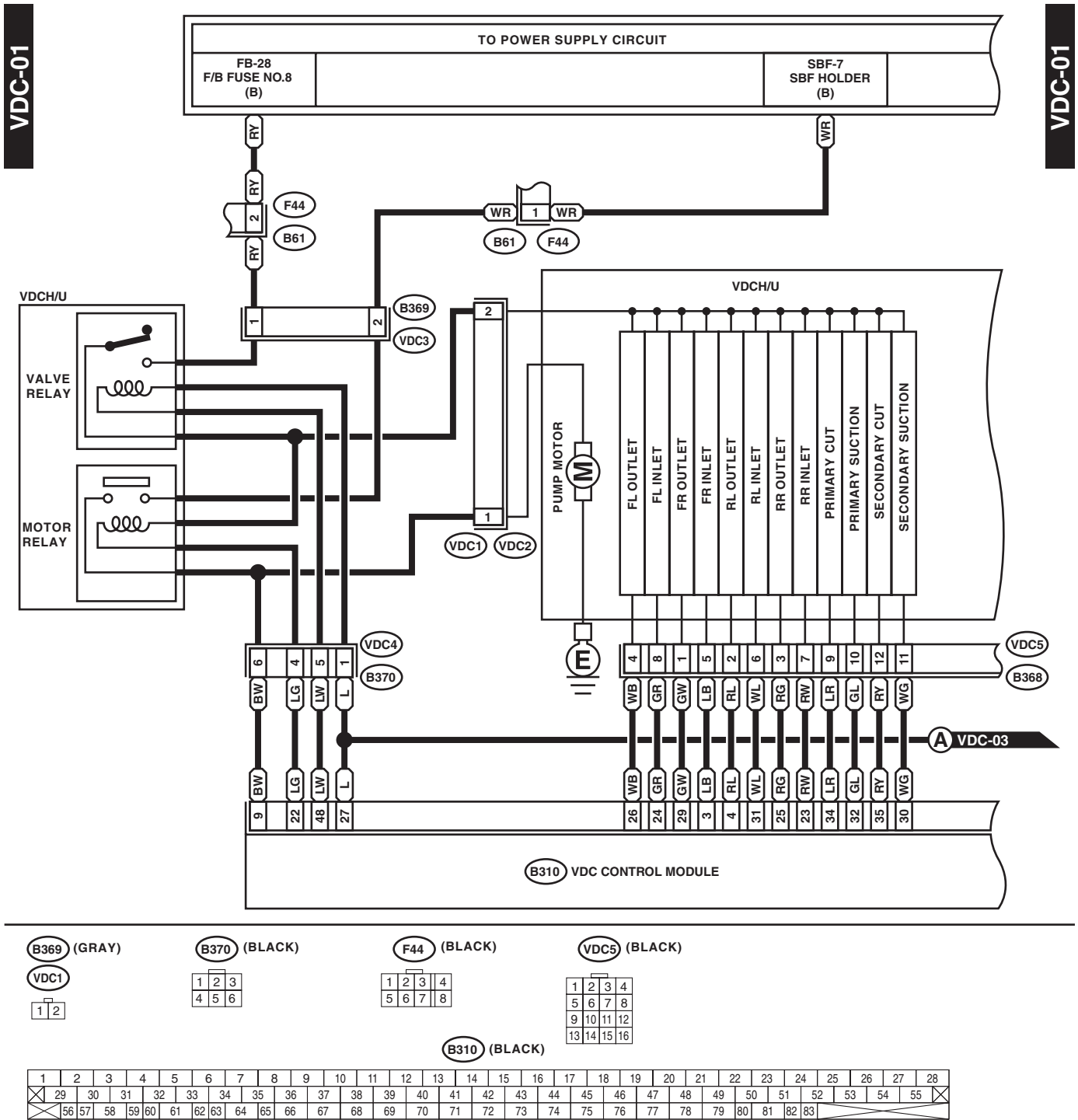
|    |    |    |    |    |    |
|----|----|----|----|----|----|
| 1  | 2  | 3  | 4  | 5  | 6  |
| 7  | 8  | 9  | 10 | 11 | 12 |
| 13 | 14 | 15 | 16 | 17 | 18 |
| 19 | 20 | 21 | 22 | 23 | 24 |
| 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | 32 | 33 | 34 | 35 |    |

WI-15012



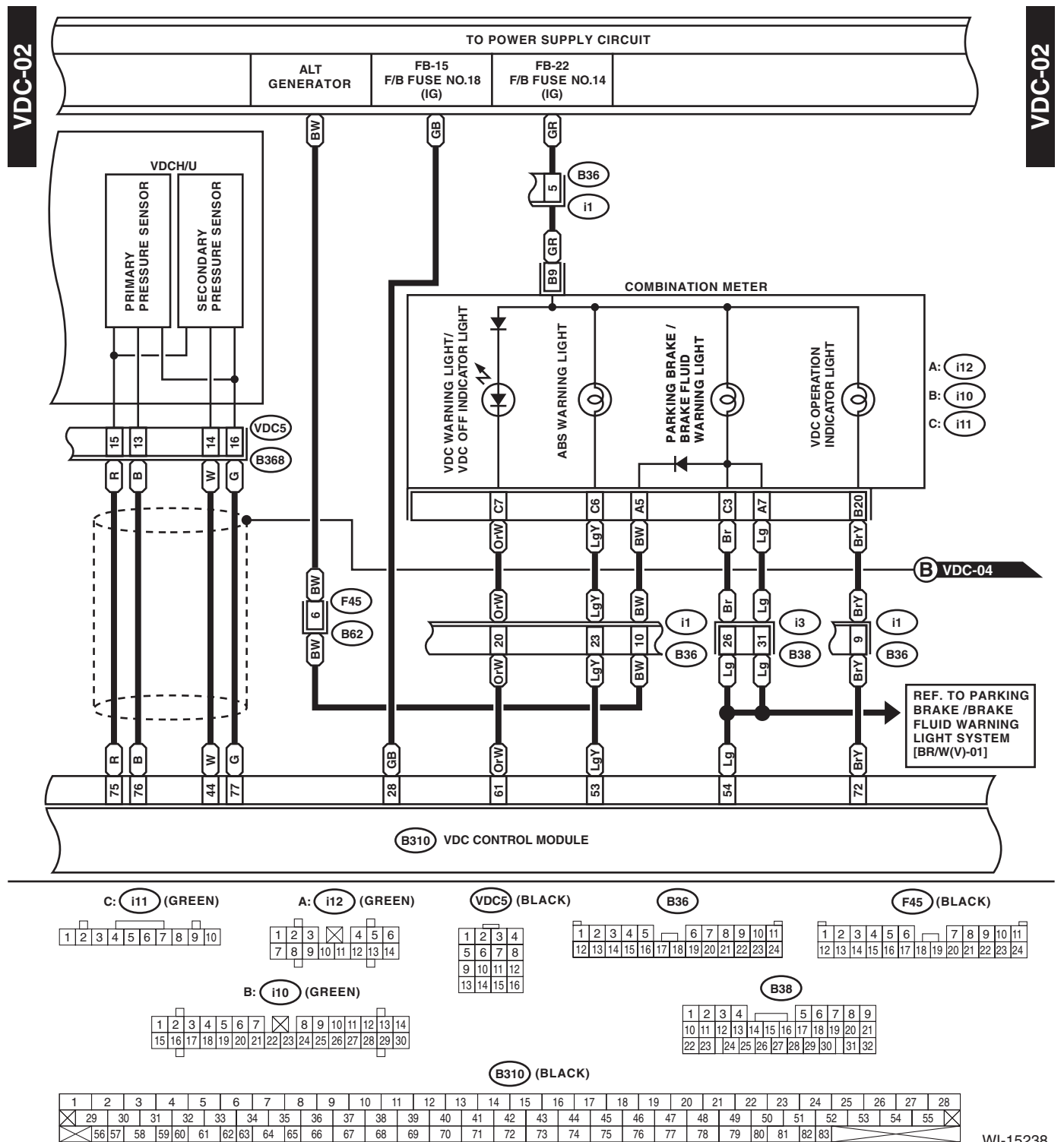
9. Vehicle Dynamics Control System

A: WIRING DIAGRAM



# Vehicle Dynamics Control System

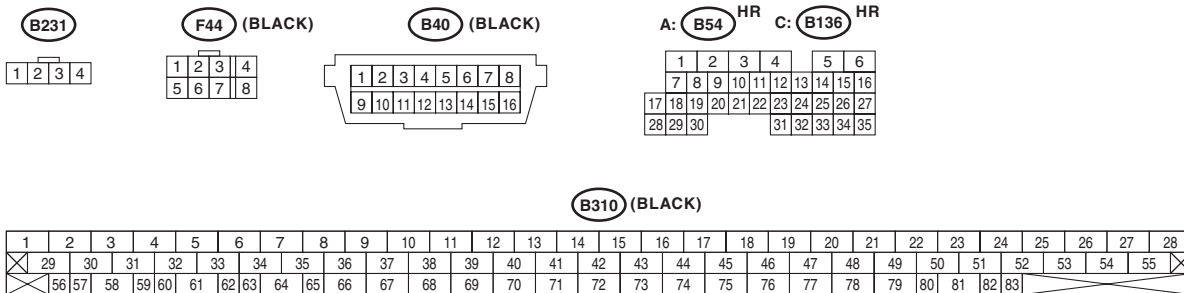
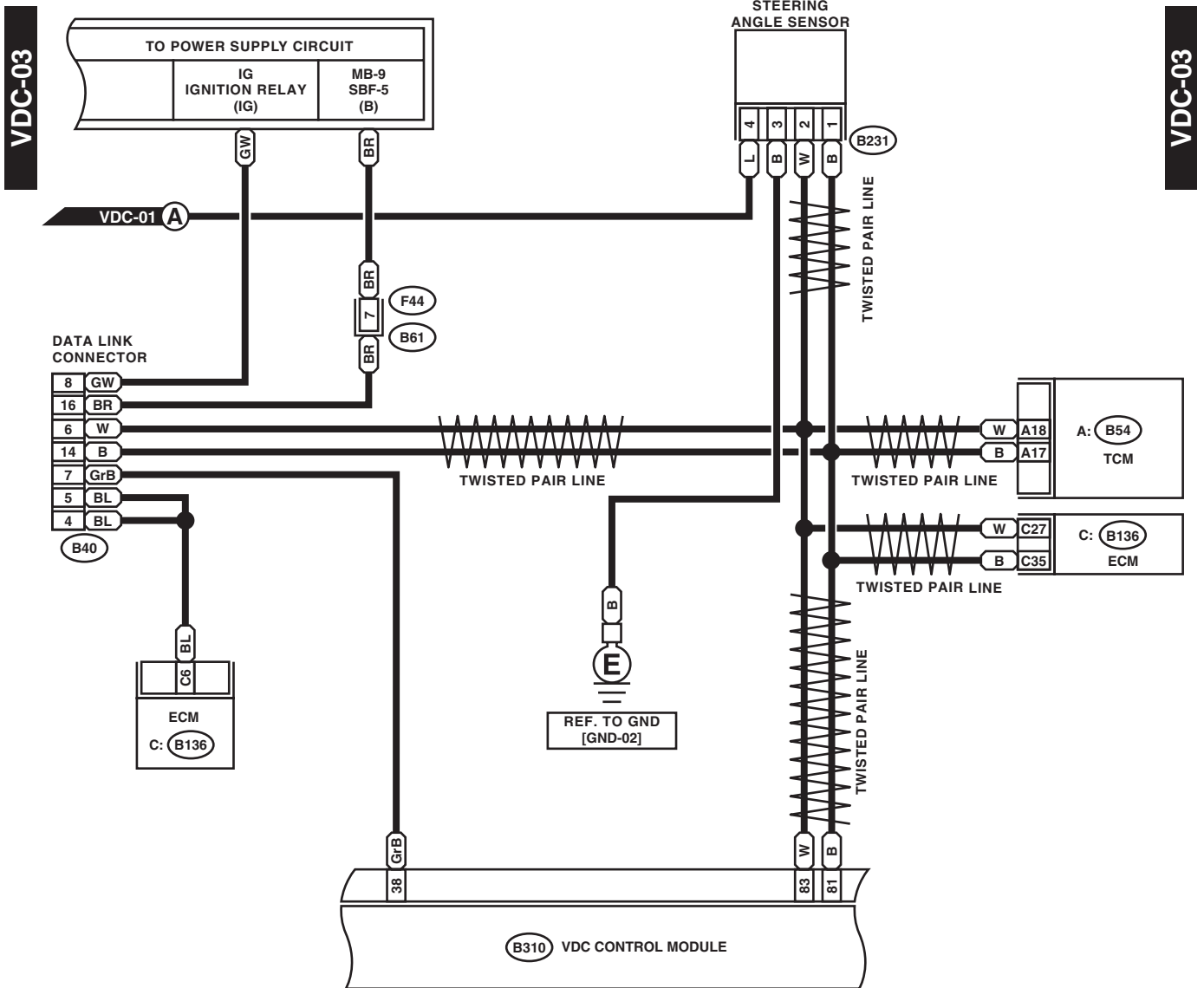
## WIRING SYSTEM



WI-15238

# Vehicle Dynamics Control System

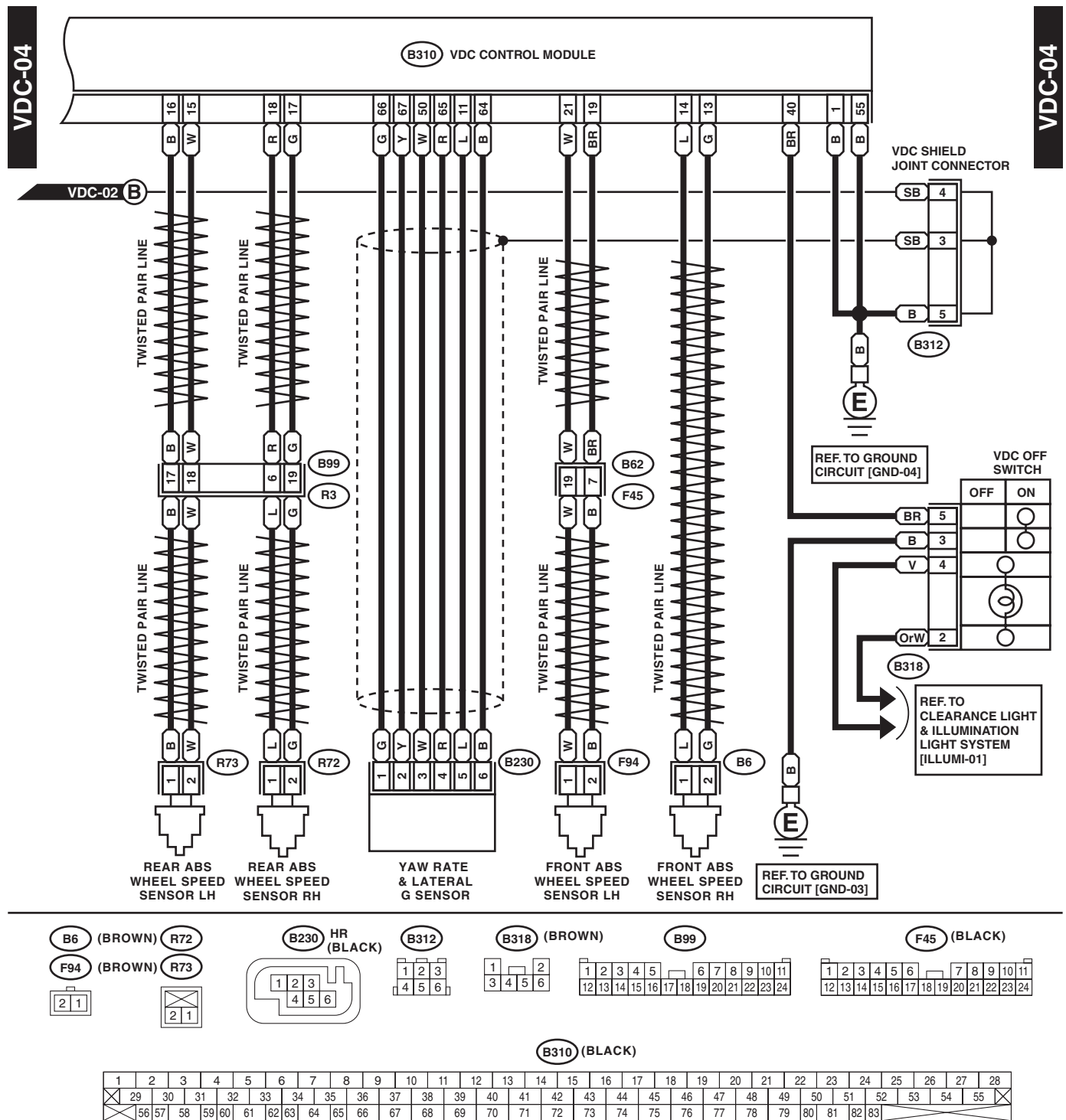
WIRING SYSTEM



WI-15239

# Vehicle Dynamics Control System

## WIRING SYSTEM

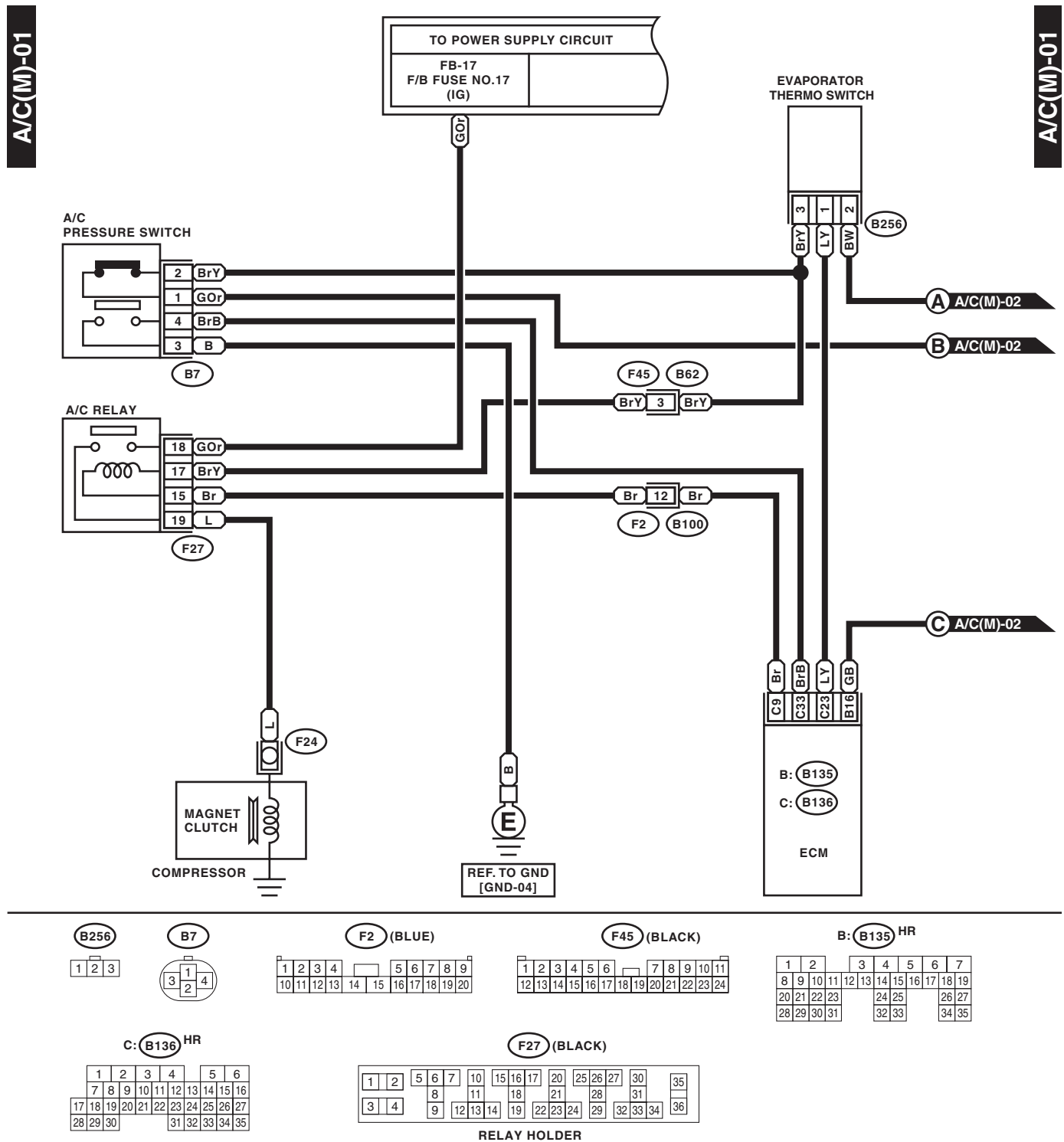


WI-15240

## 10. Air Conditioning System

### A: WIRING DIAGRAM

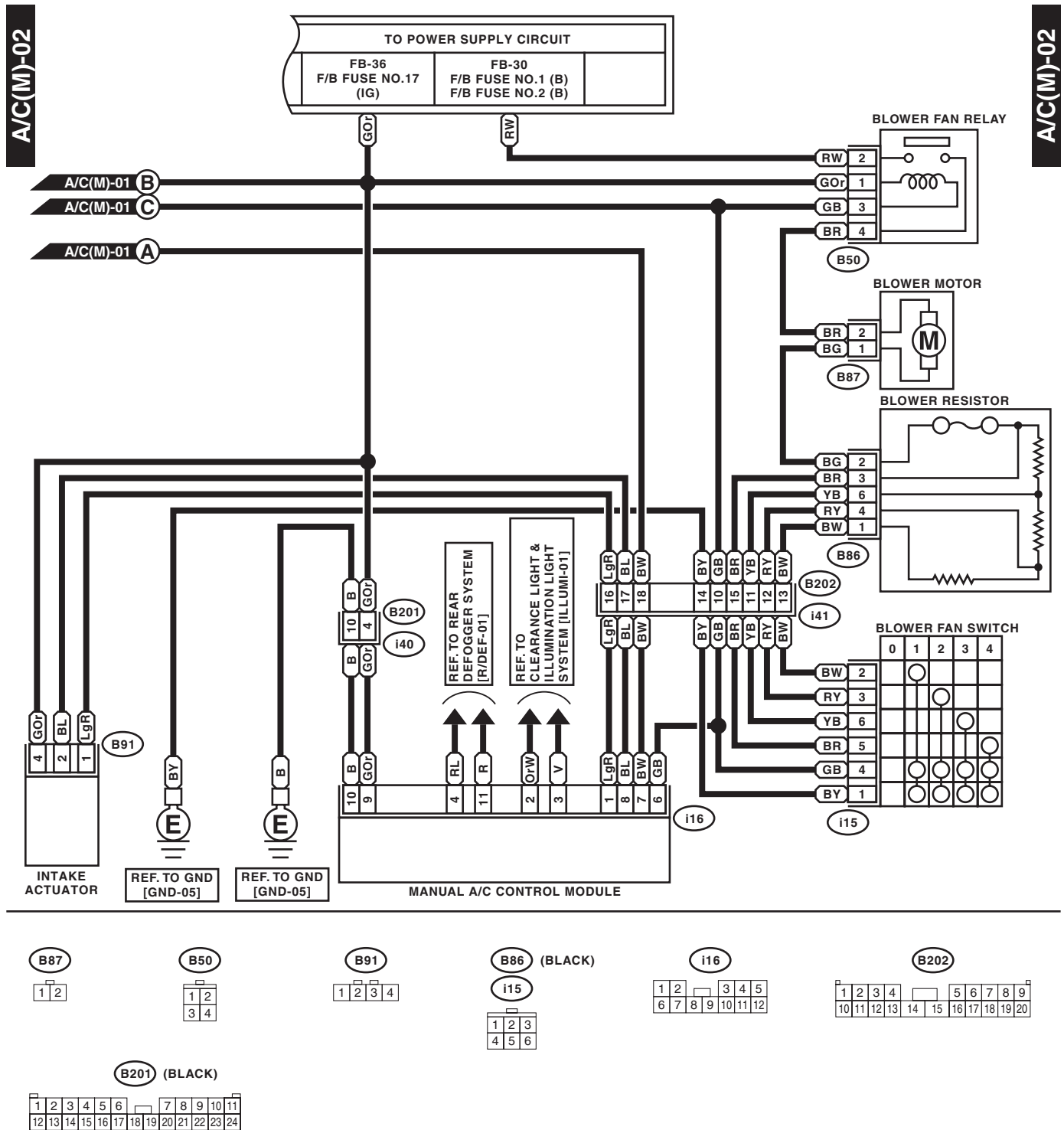
#### 1. MANUAL A/C MODEL



WI-15013

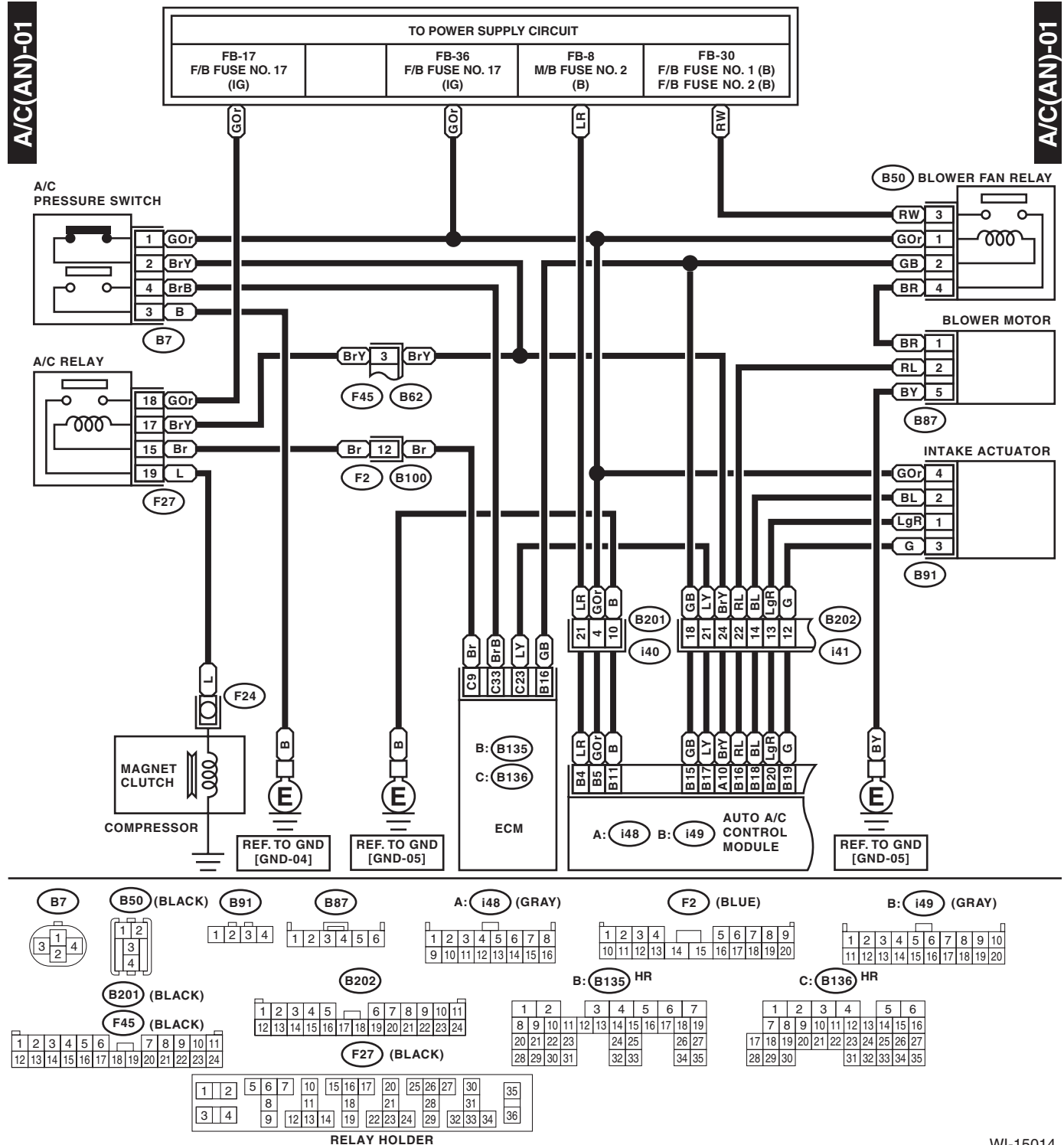
# Air Conditioning System

## WIRING SYSTEM



WI-12245

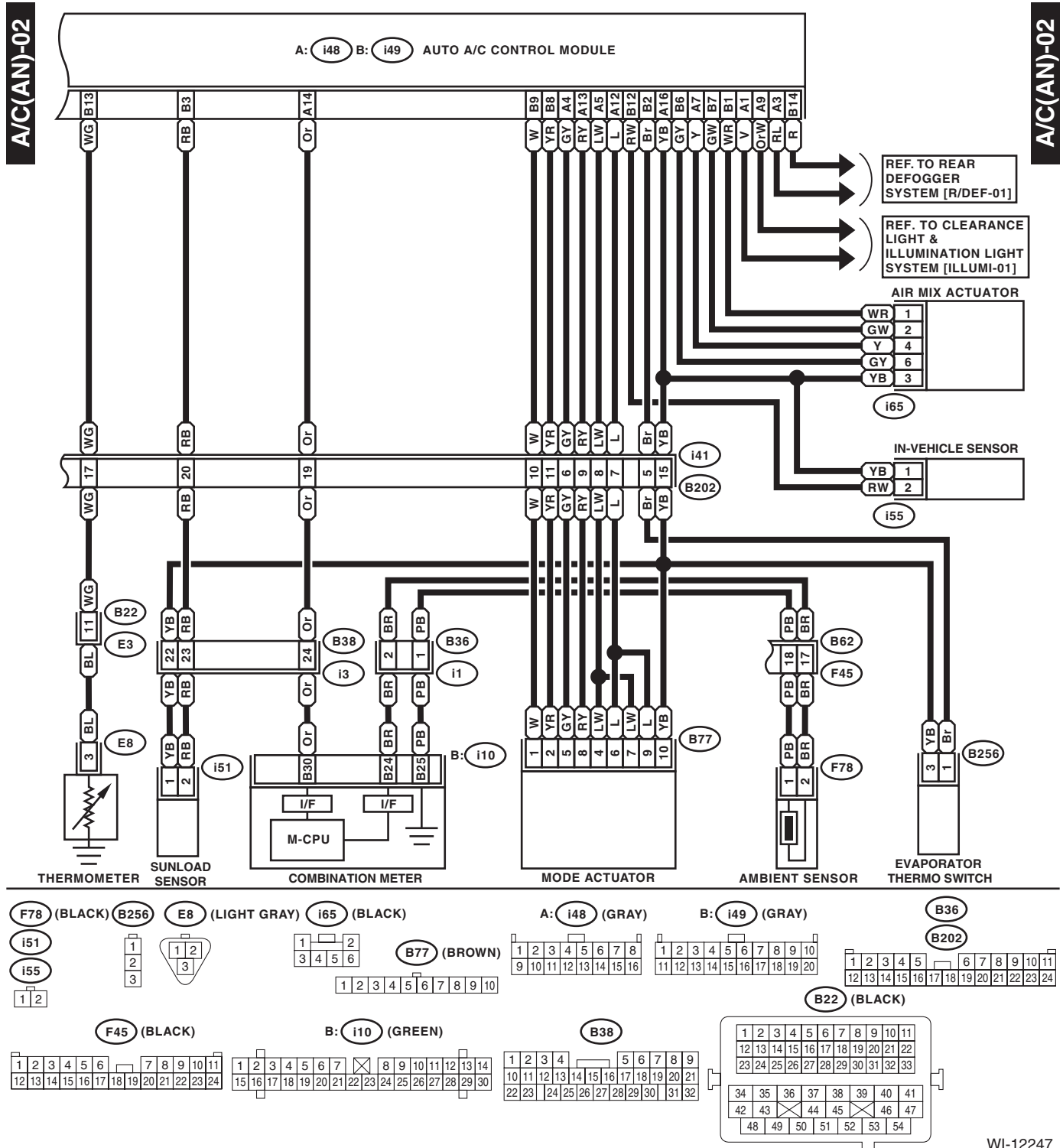
### 2. AUTO A/C NON-TURBO MODEL



WI-15014

# Air Conditioning System

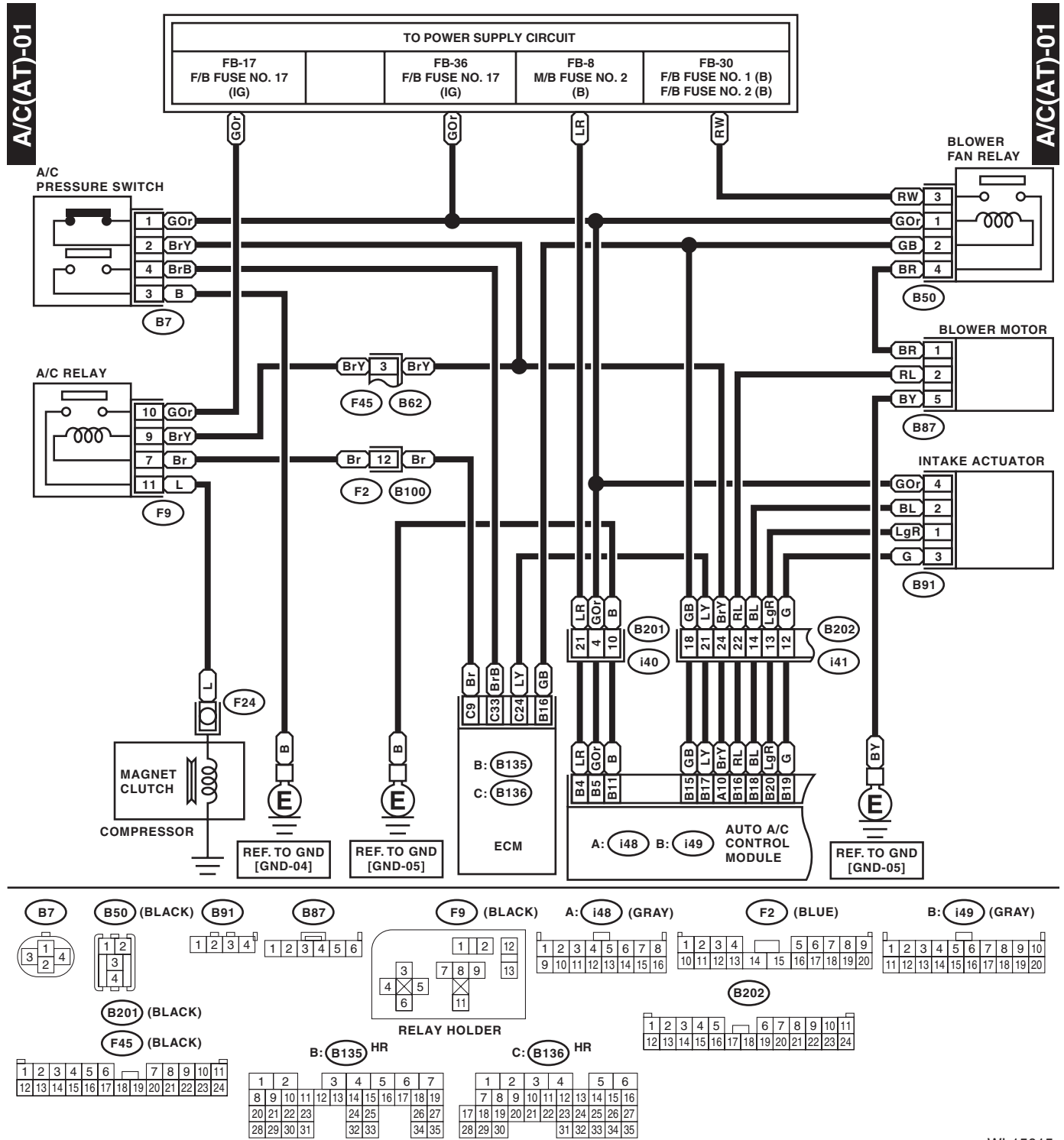
## WIRING SYSTEM



WI-12247



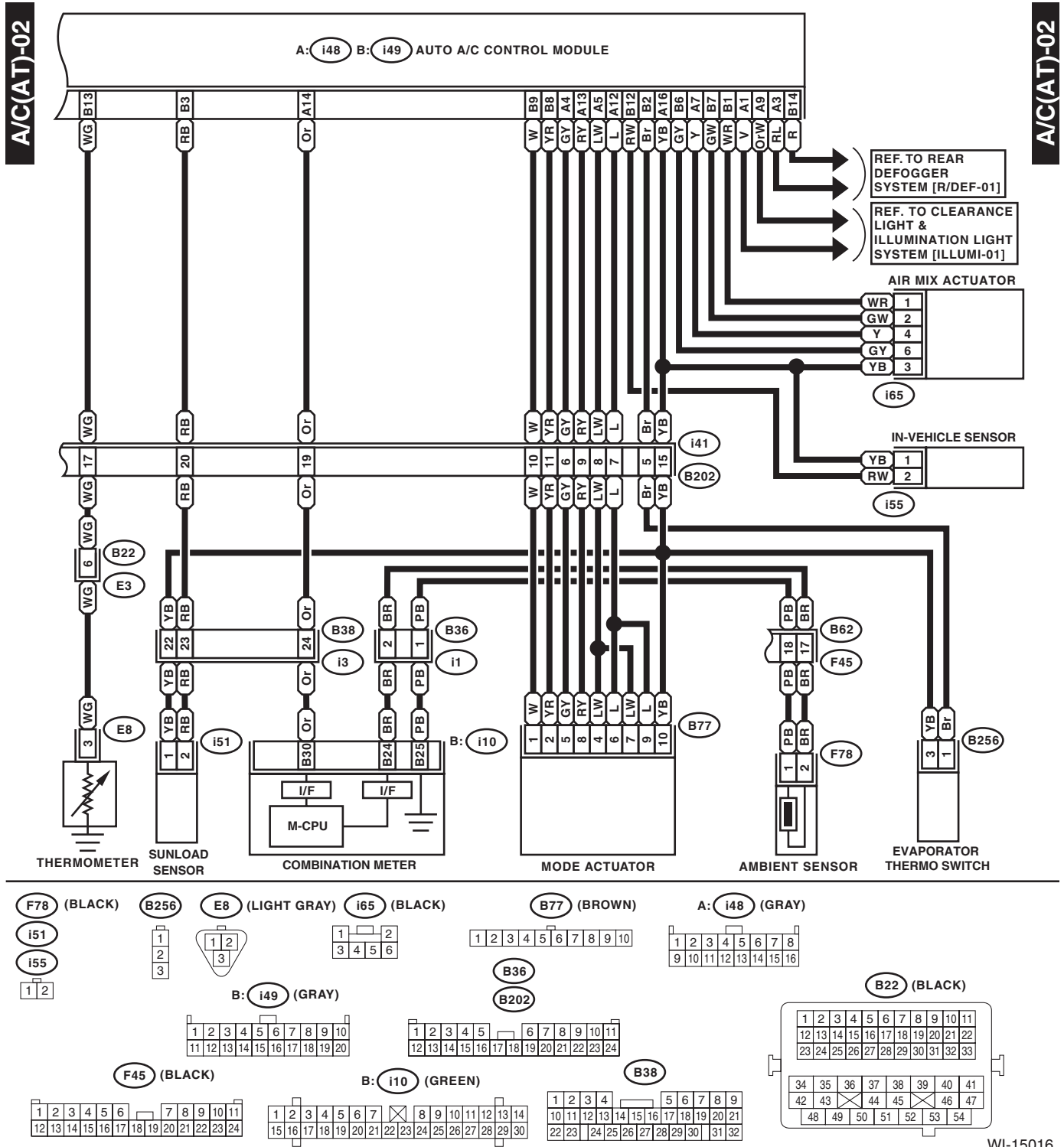
### 3. AUTO A/C TURBO MODEL



WI-15015

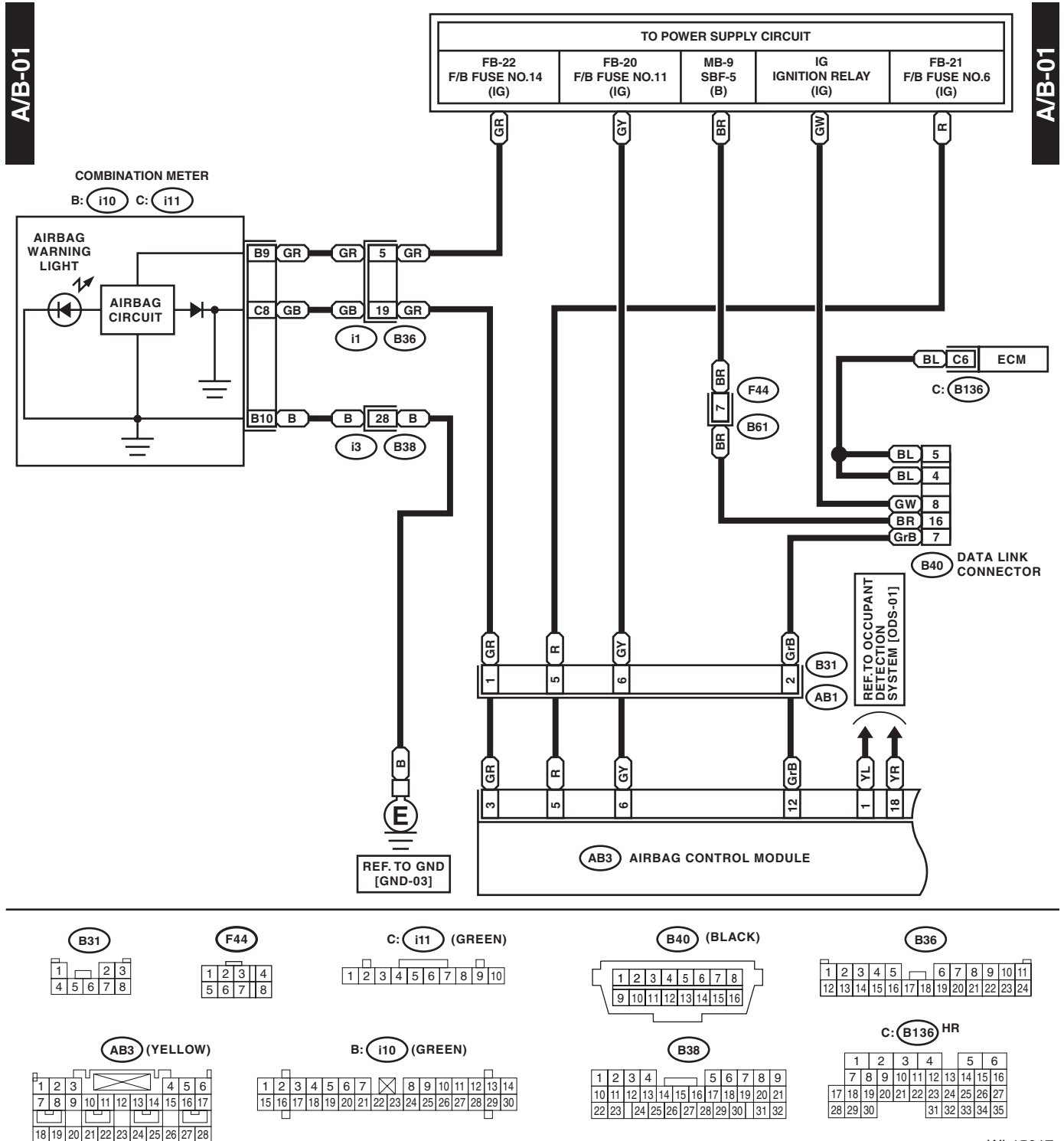
# Air Conditioning System

## WIRING SYSTEM



### 11. Airbag System

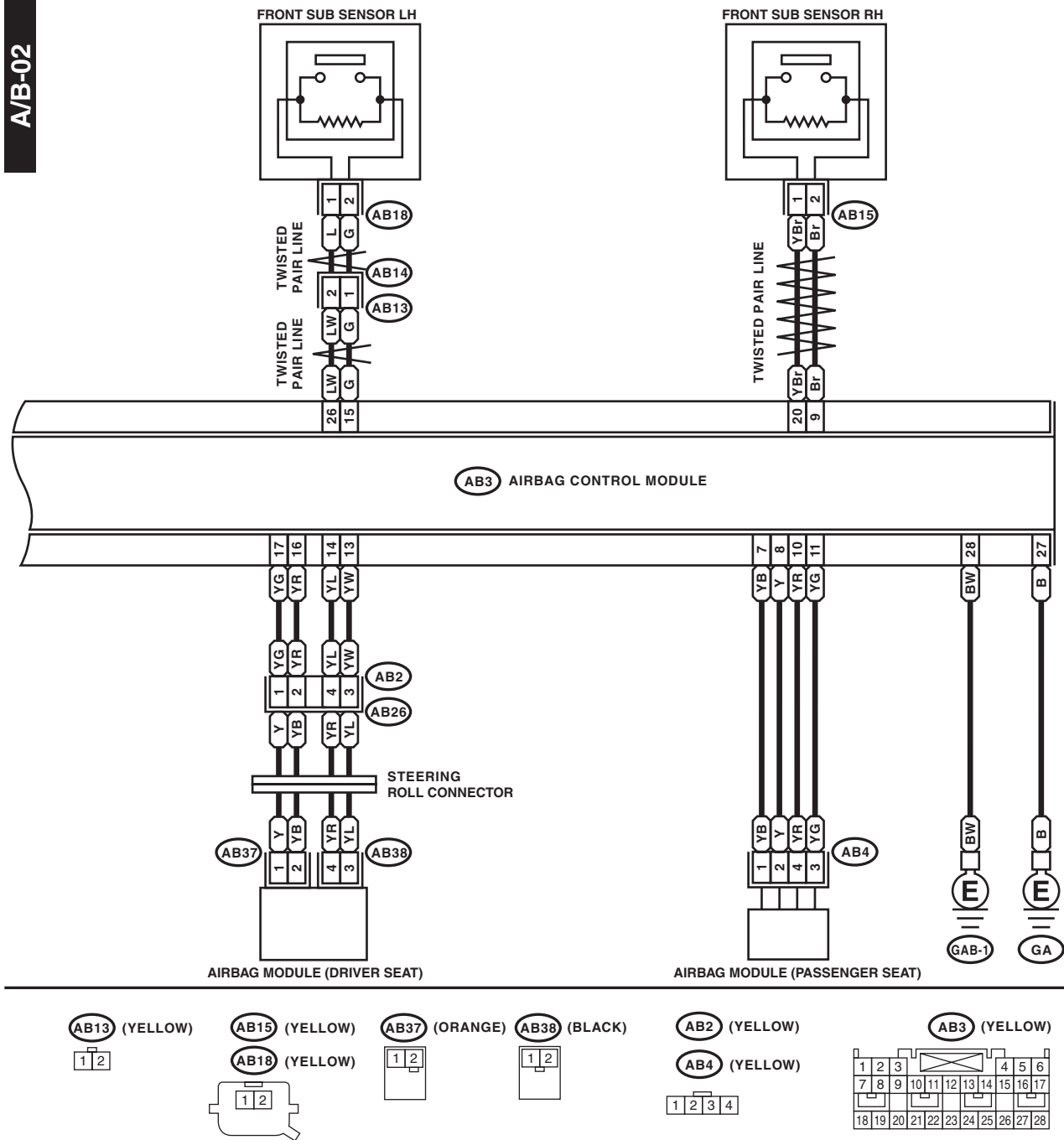
#### A: WIRING DIAGRAM



WI-15017

**A/B-02**

A/B-02



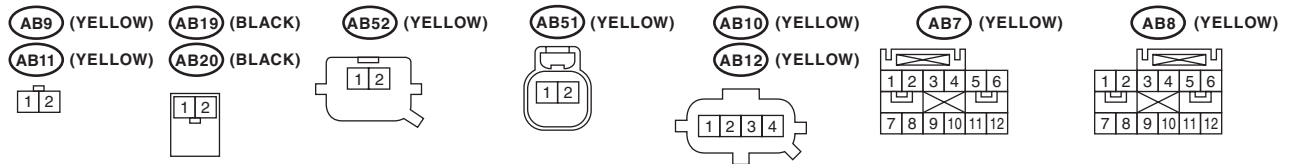
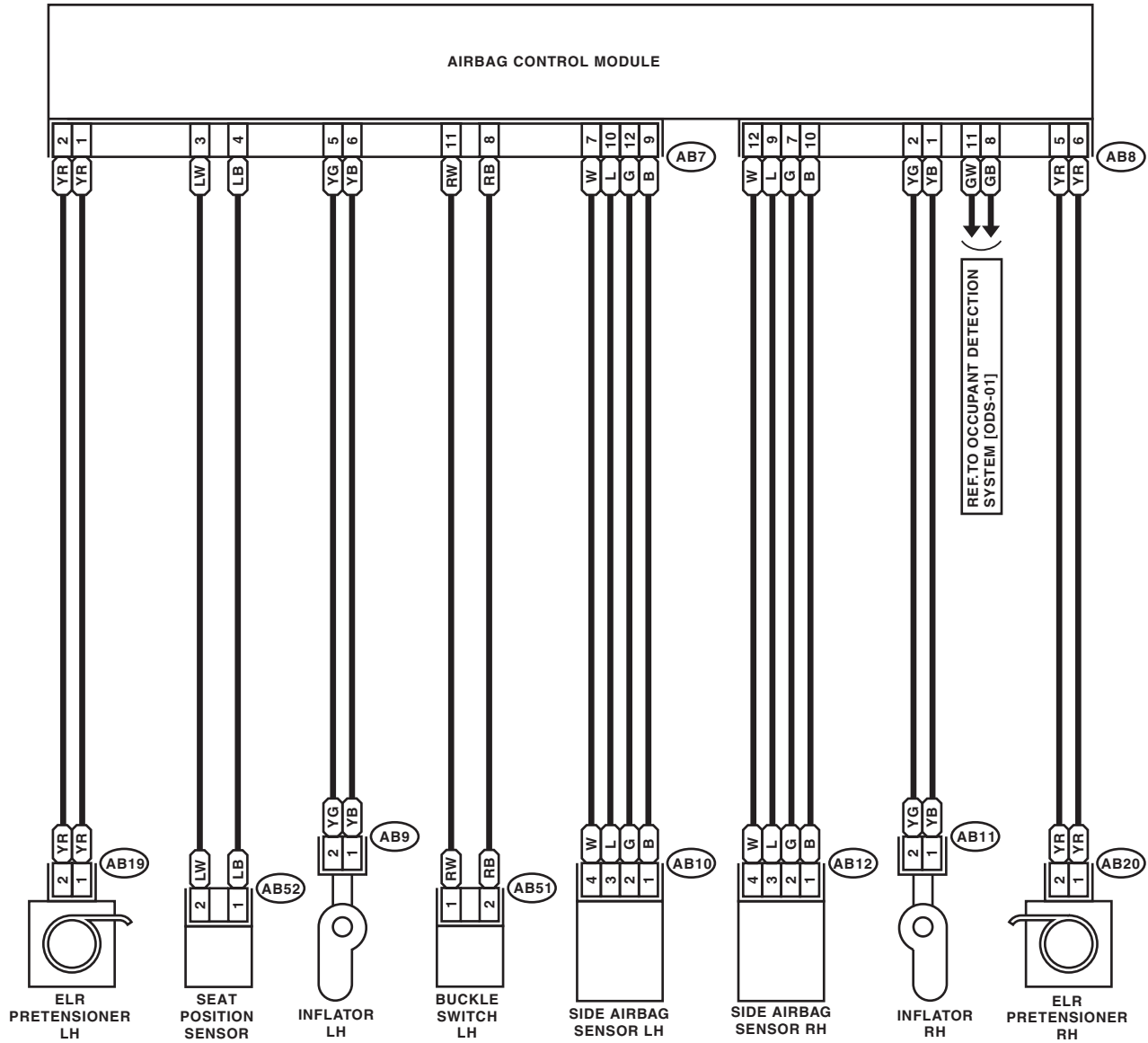
WI-13103

# Airbag System

WIRING SYSTEM

A/B-03

A/B-03



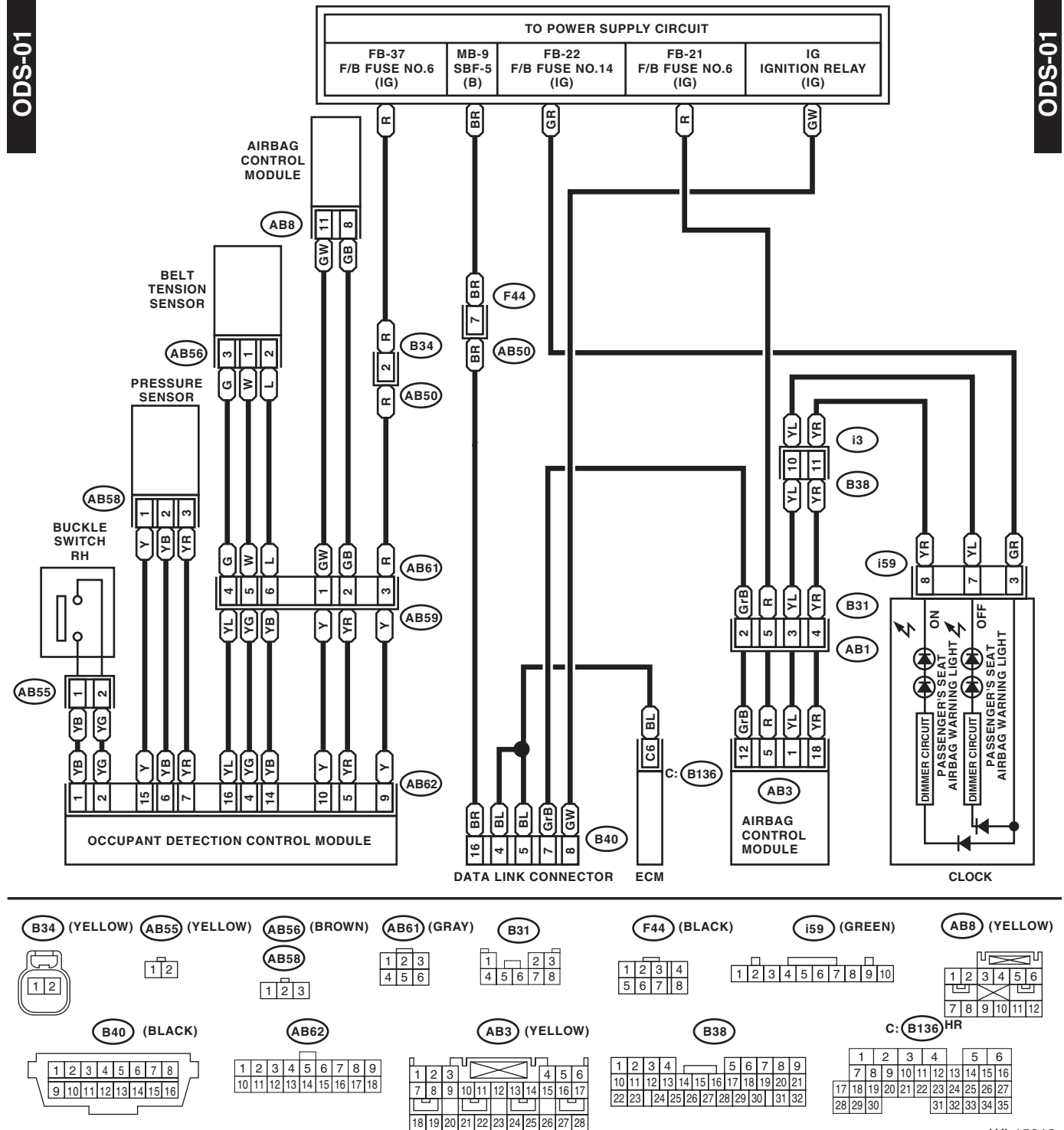
WI-12324

## 12.Occupant Detection System

## A: WIRING DIAGRAM

**ODS-01**

**ODS-01**



## A: WIRING DIAGRAM



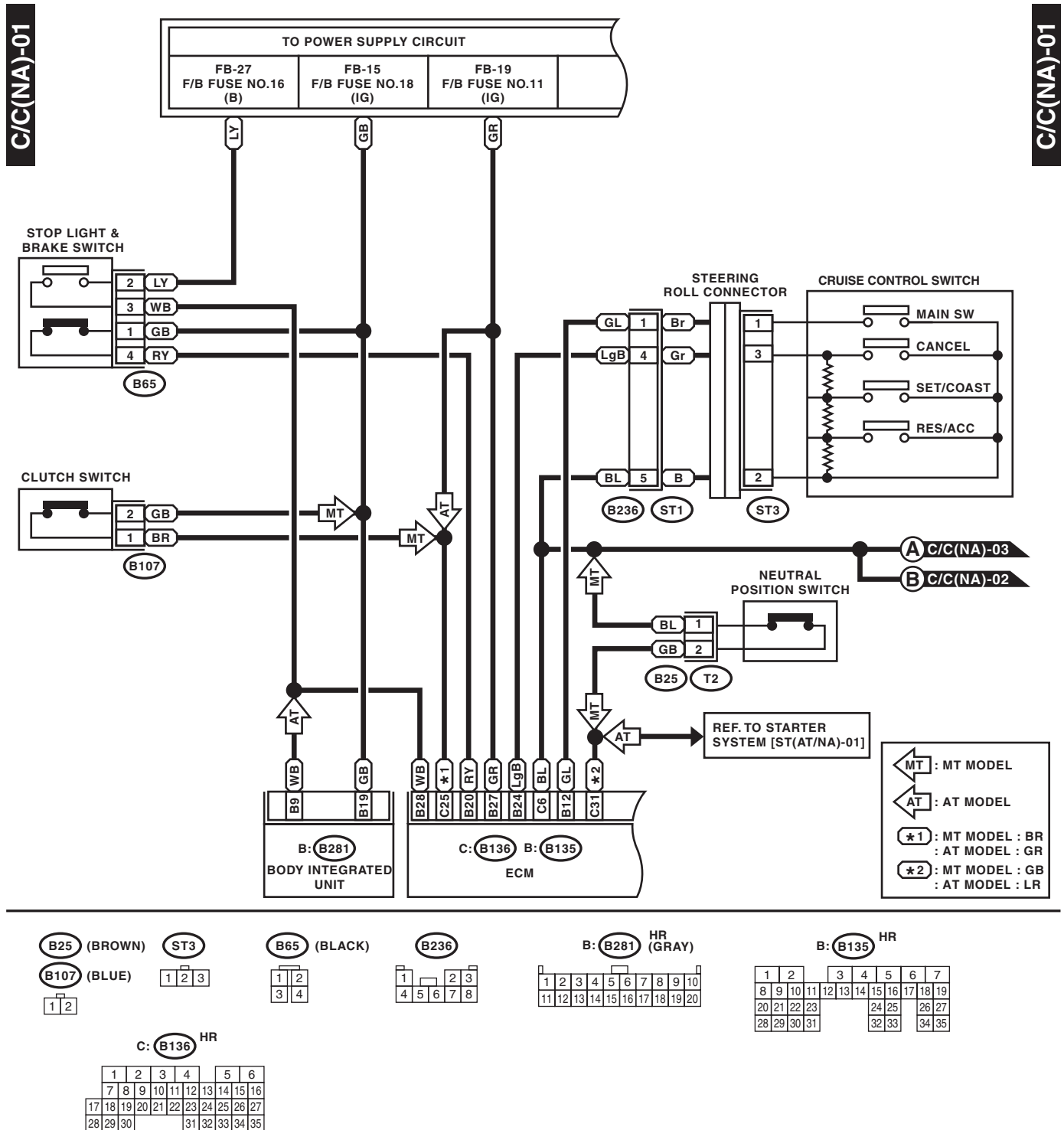
# Cruise Control System

## WIRING SYSTEM

### 14.Cruise Control System

#### A: WIRING DIAGRAM

##### 1. NON-TURBO MODEL



WI-15020

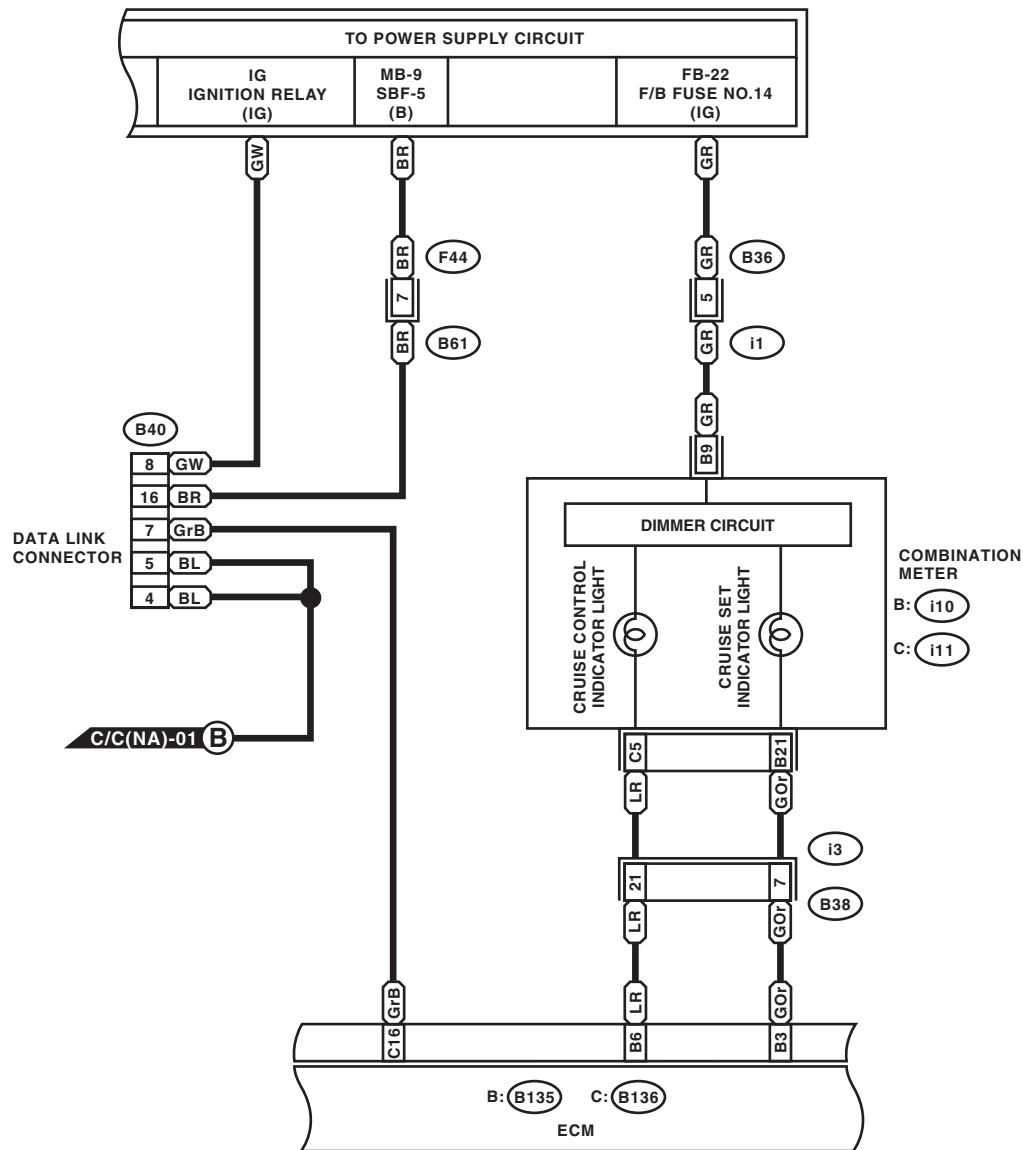


# Cruise Control System

WIRING SYSTEM

C/C(NA)-02

C/C(NA)-02



F44 (BLACK)

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

C: i11 (GREEN)

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

B40 (BLACK)

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

B36

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

B: 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 |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |

B38

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

B: B135 HR

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

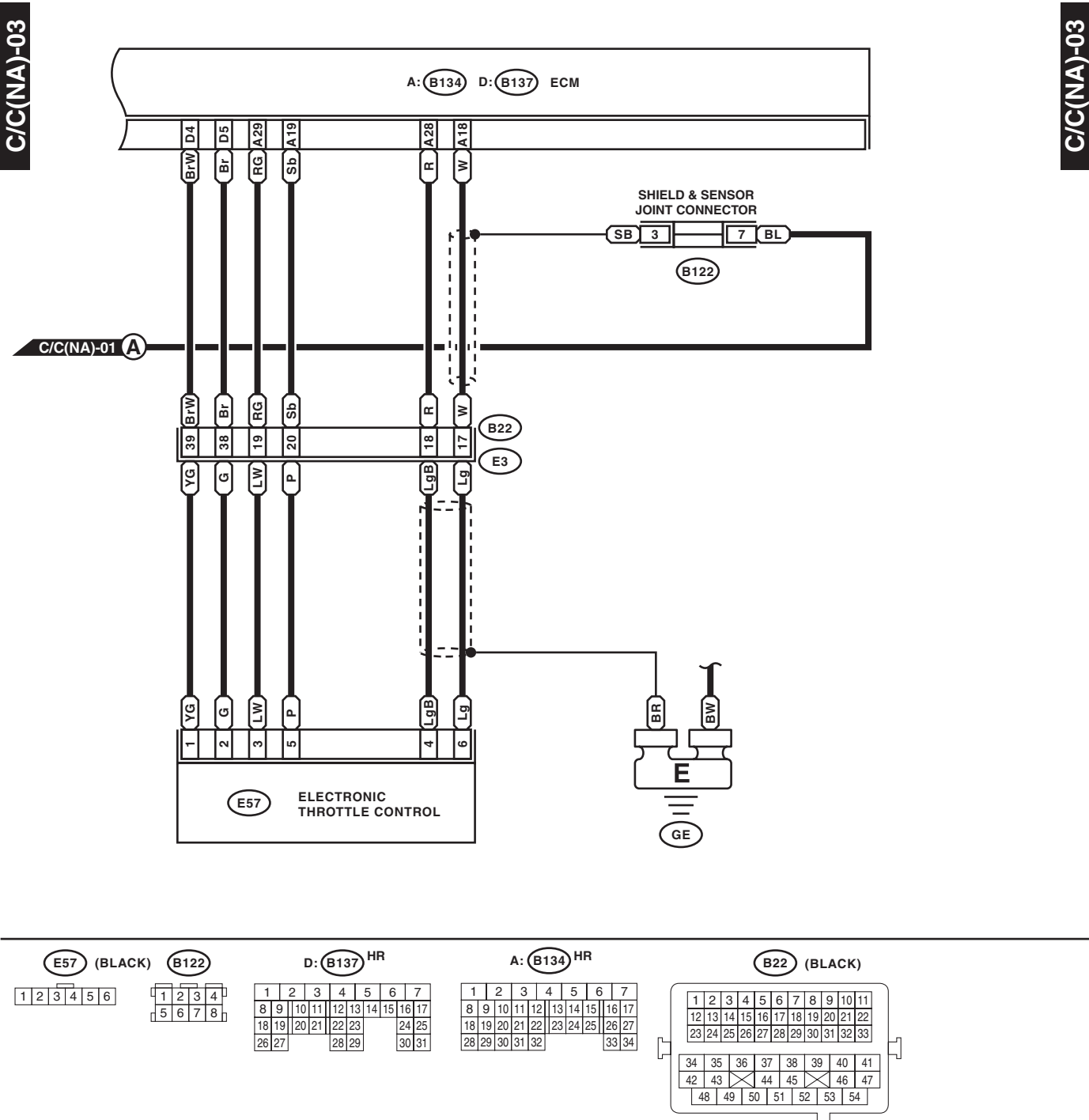
C: B136 HR

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

WI-15021

# Cruise Control System

## WIRING SYSTEM

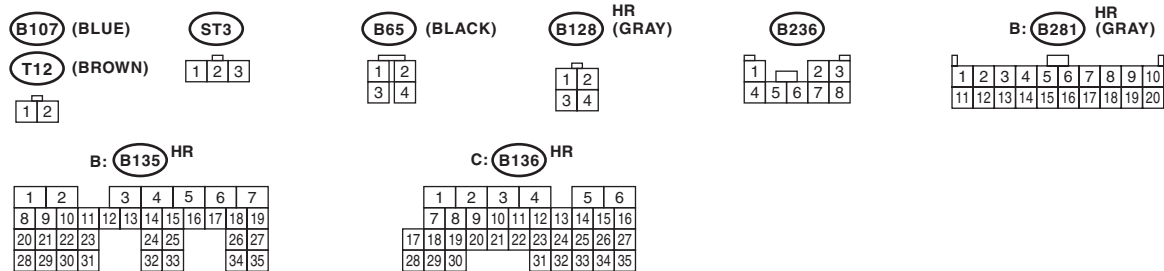
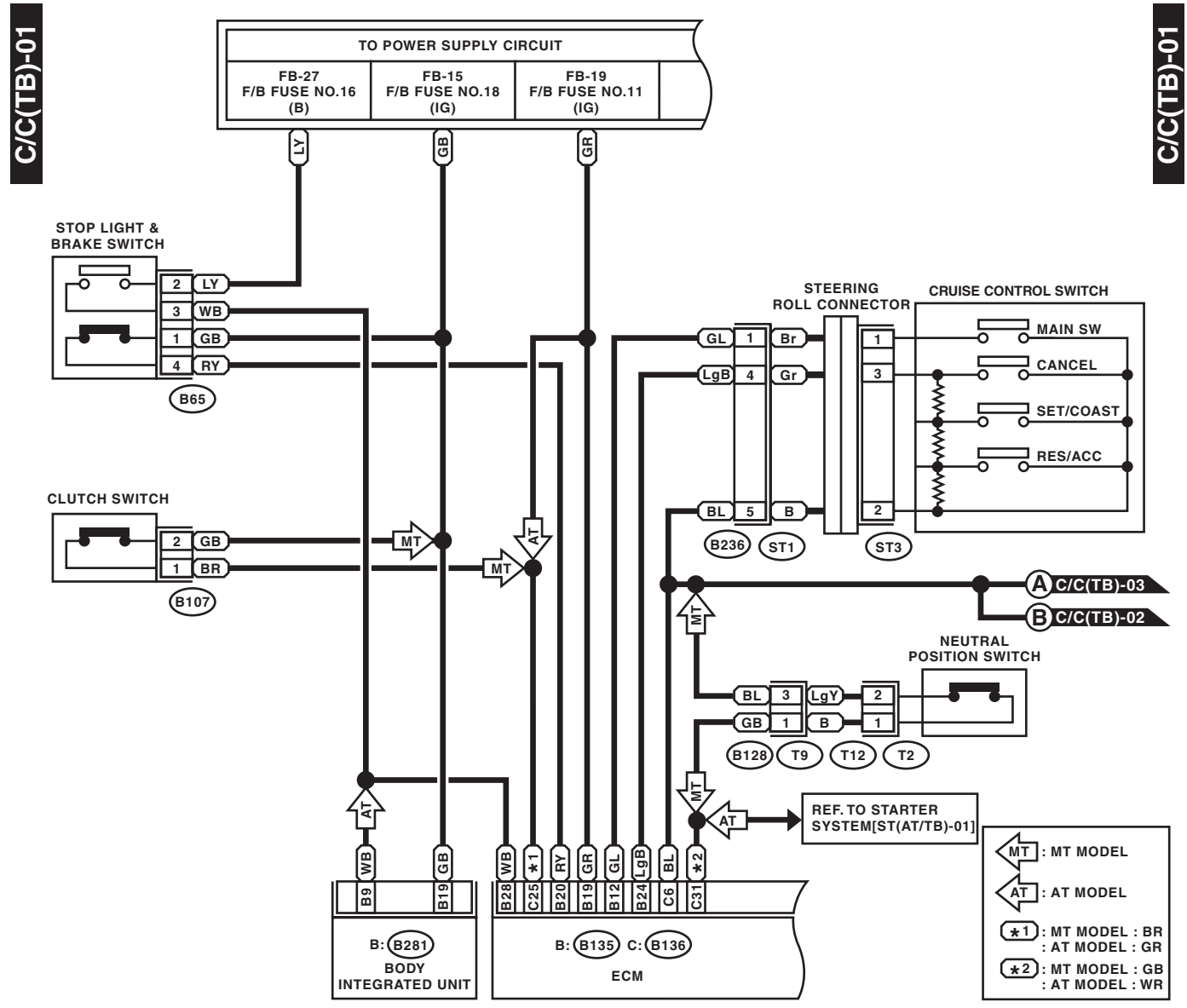


WI-15022

## WIRING SYSTEM

## WIRING SYSTEM

## 2. TURBO MODEL



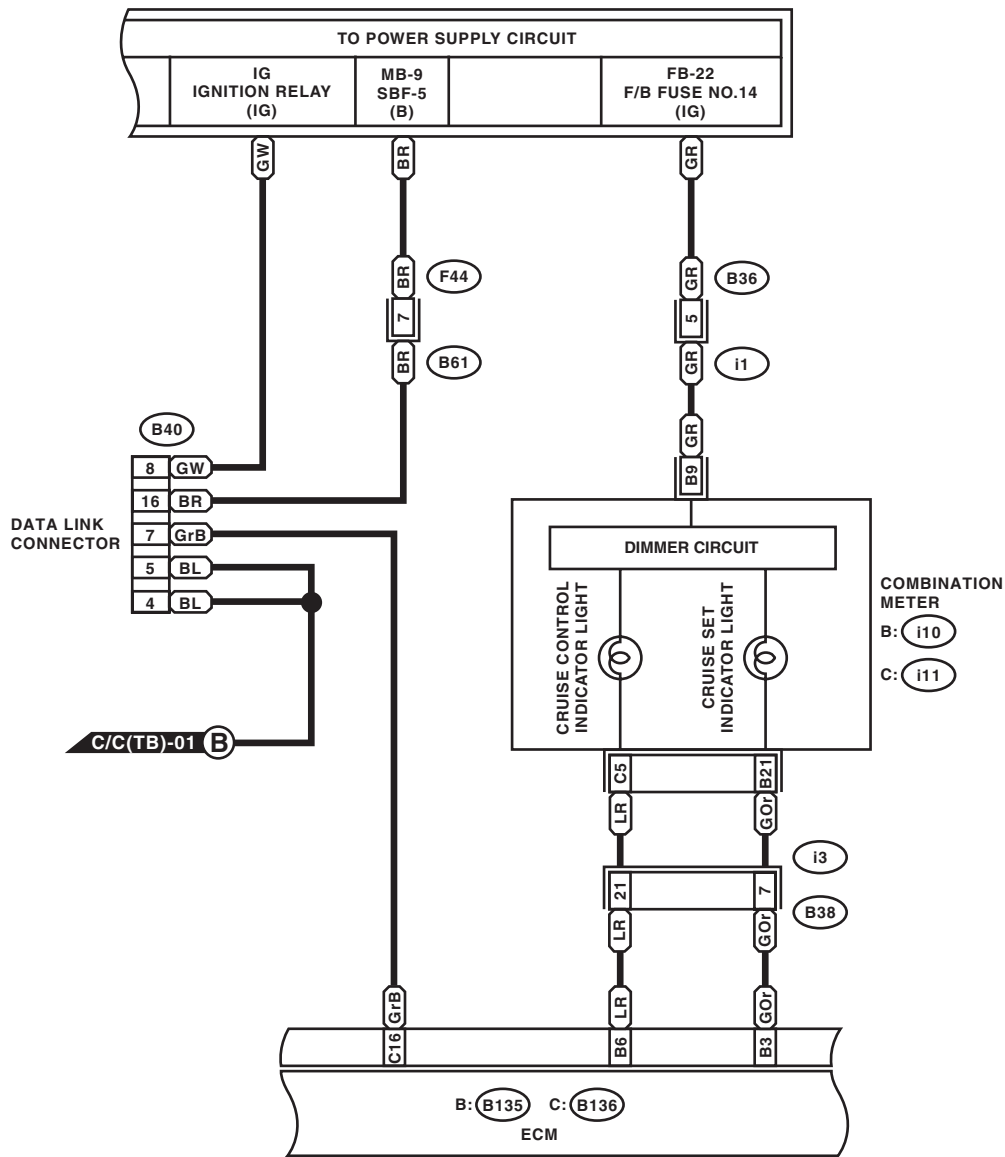
WI-15023

# Cruise Control System

## WIRING SYSTEM

C/C(TB)-02

C/C(TB)-02



F44 (BLACK)

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

C: i11 (GREEN)

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

B40 (BLACK)

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

B36

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

B: 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 |

B38

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

B: B135 HR

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

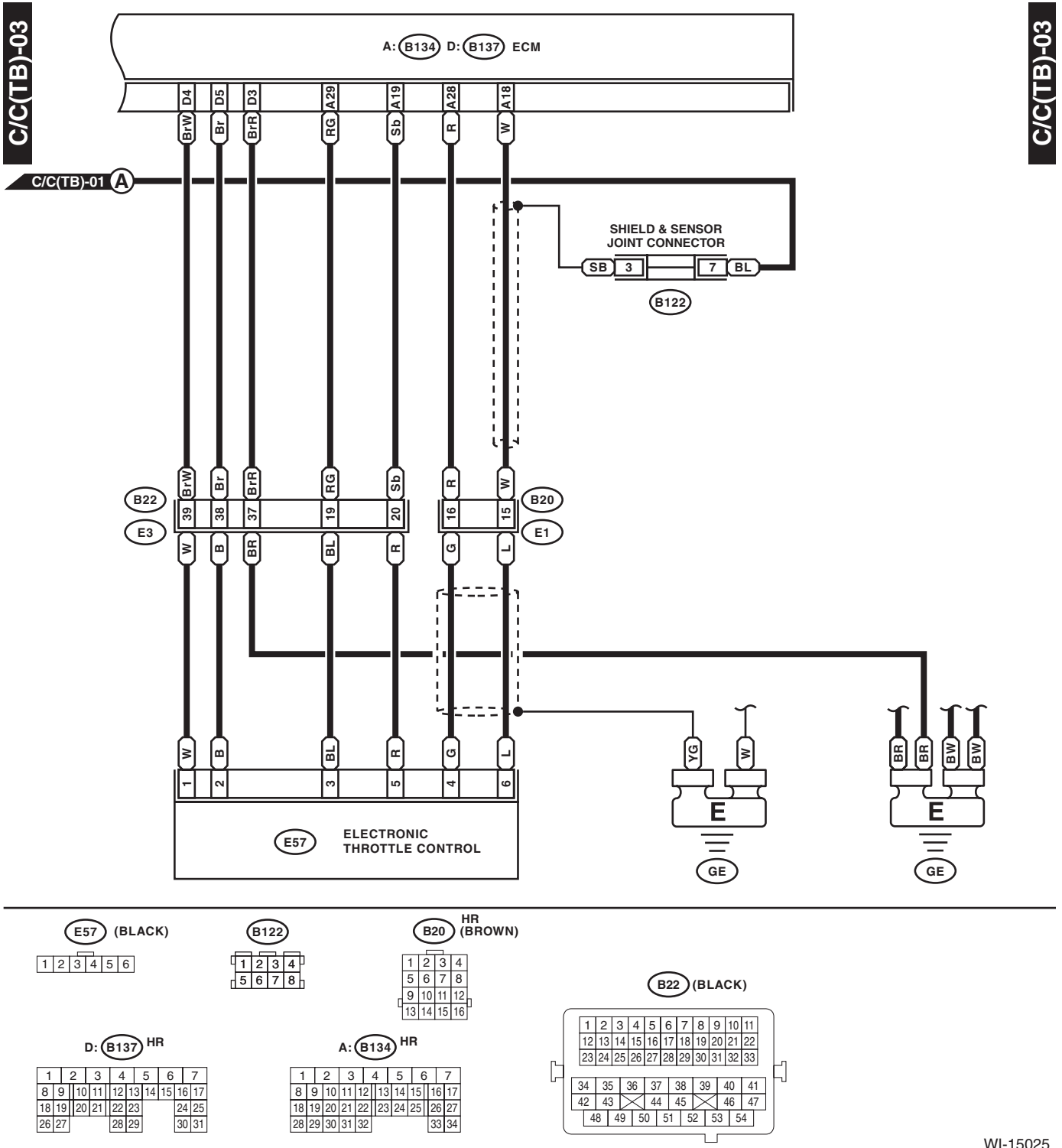
C: B136 HR

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

WI-15024

# Cruise Control System

WIRING SYSTEM



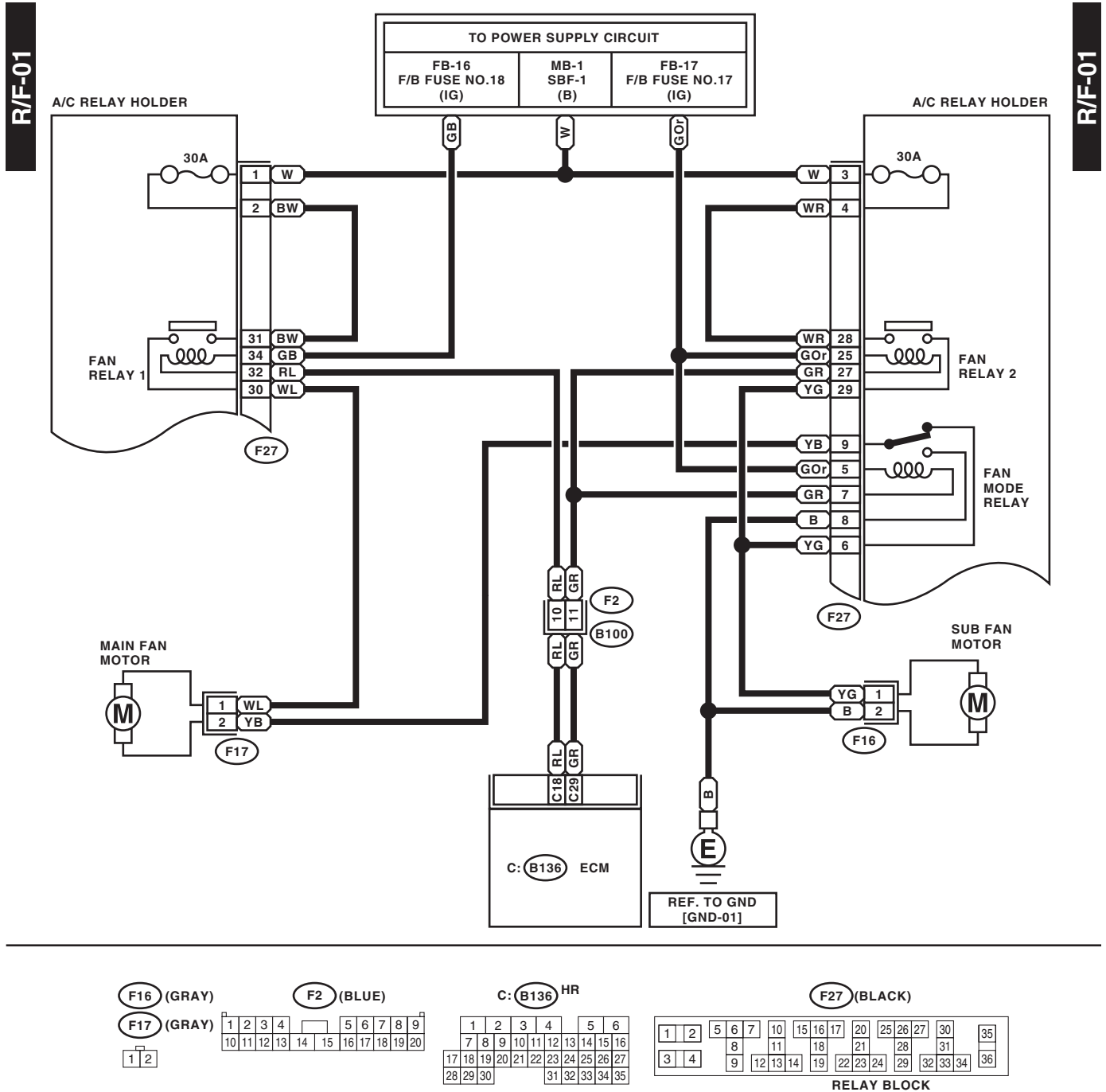
WI-15025

# Radiator Fan System

## WIRING SYSTEM

### 15.Radiator Fan System

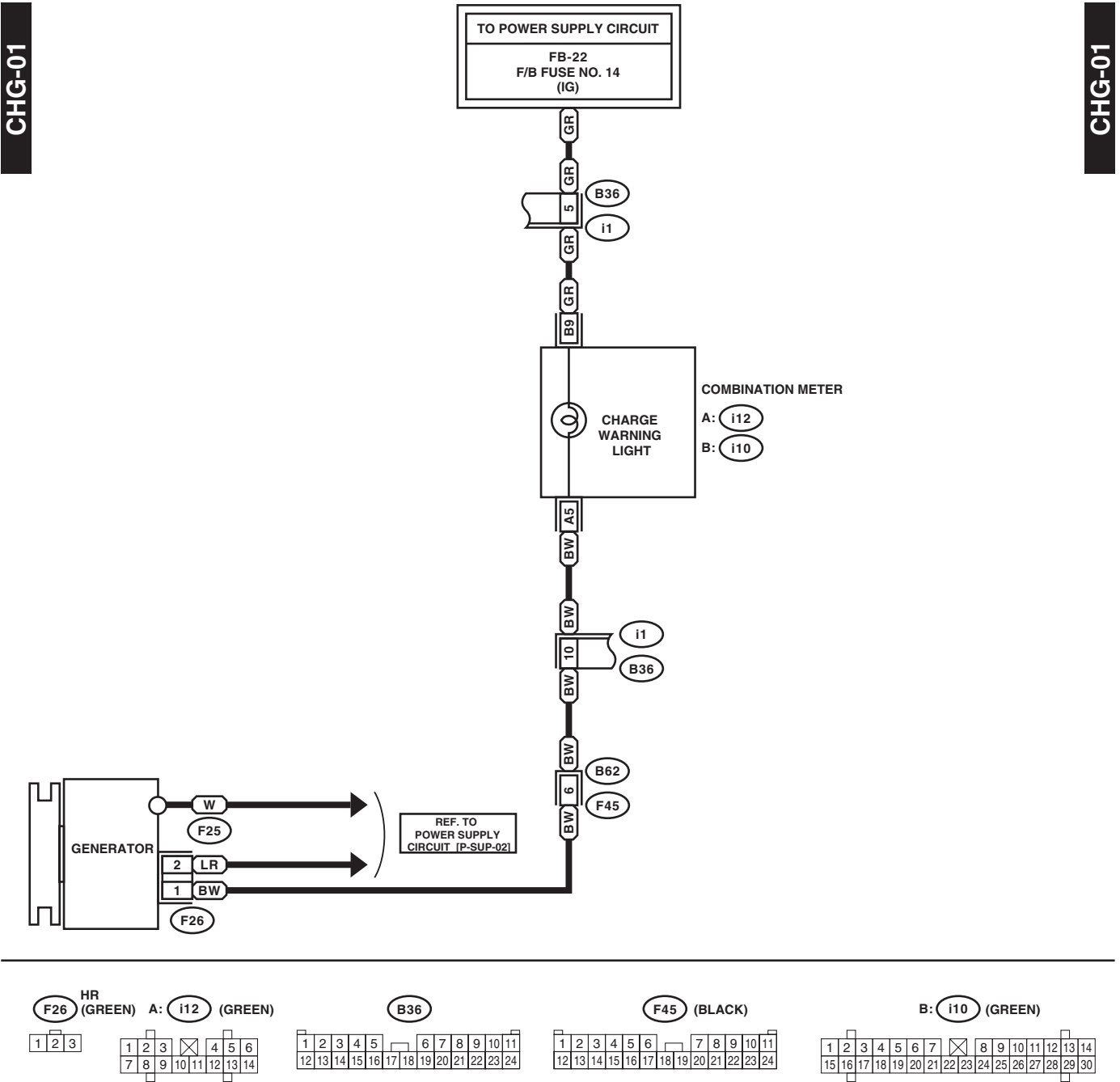
#### A: WIRING DIAGRAM



WI-15026

16.Charging System

A: WIRING DIAGRAM



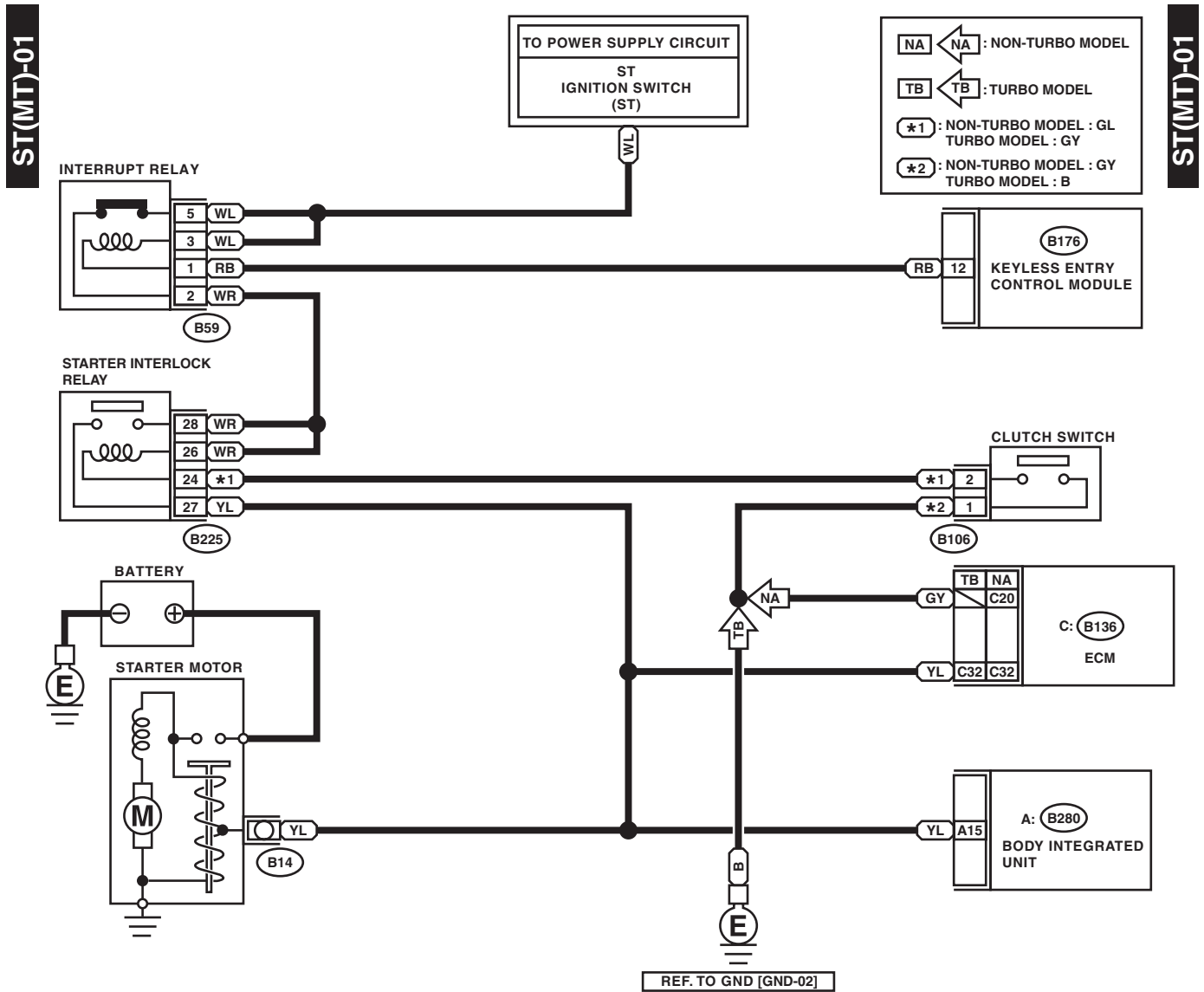
# Starter System

## WIRING SYSTEM

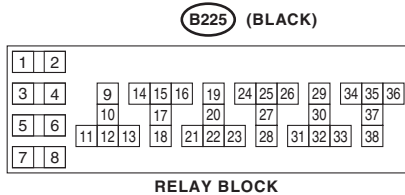
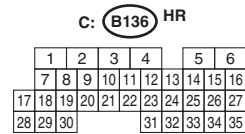
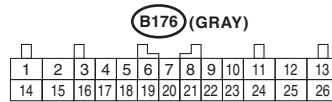
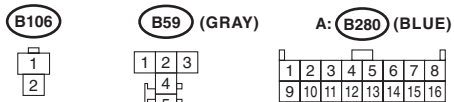
### 17.Starter System

#### A: WIRING DIAGRAM

##### 1. MT MODEL



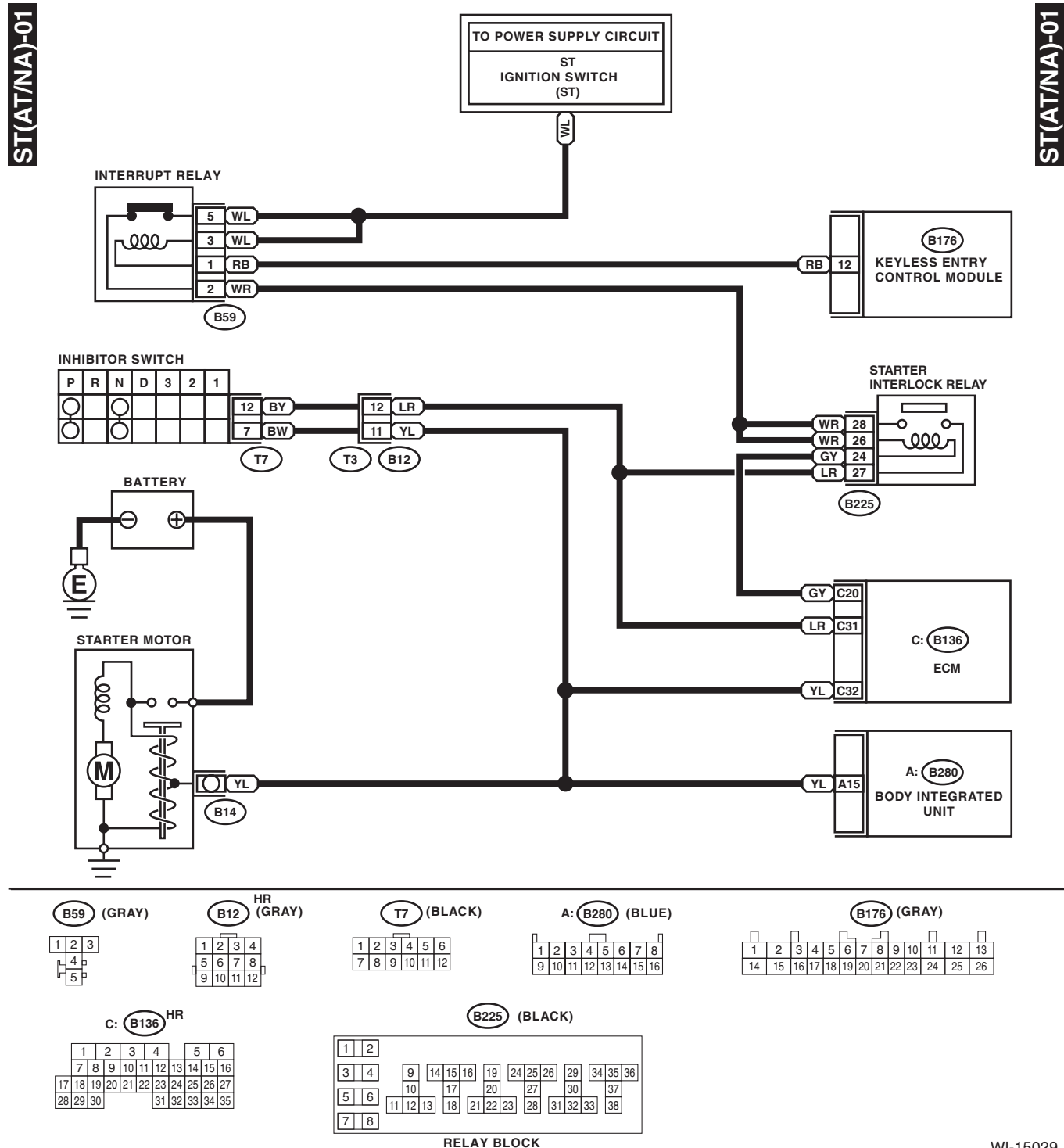
**ST(MT)-01**



WI-15028



## 2. AT NON-TURBO MODEL

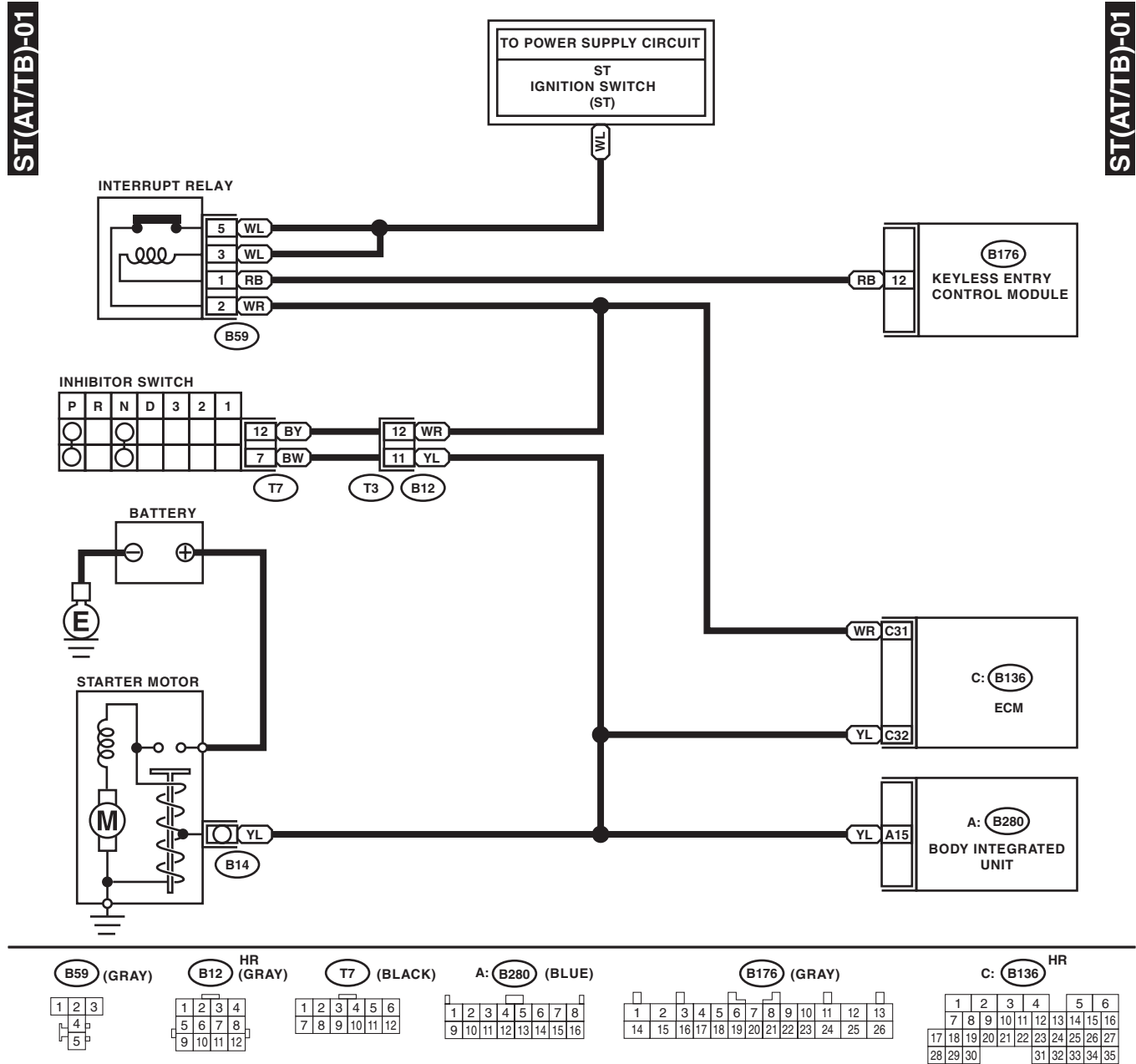


WI-15029

# Starter System

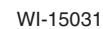
## WIRING SYSTEM

### 3. AT TURBO MODEL



WI-15030

## A: WIRING DIAGRAM

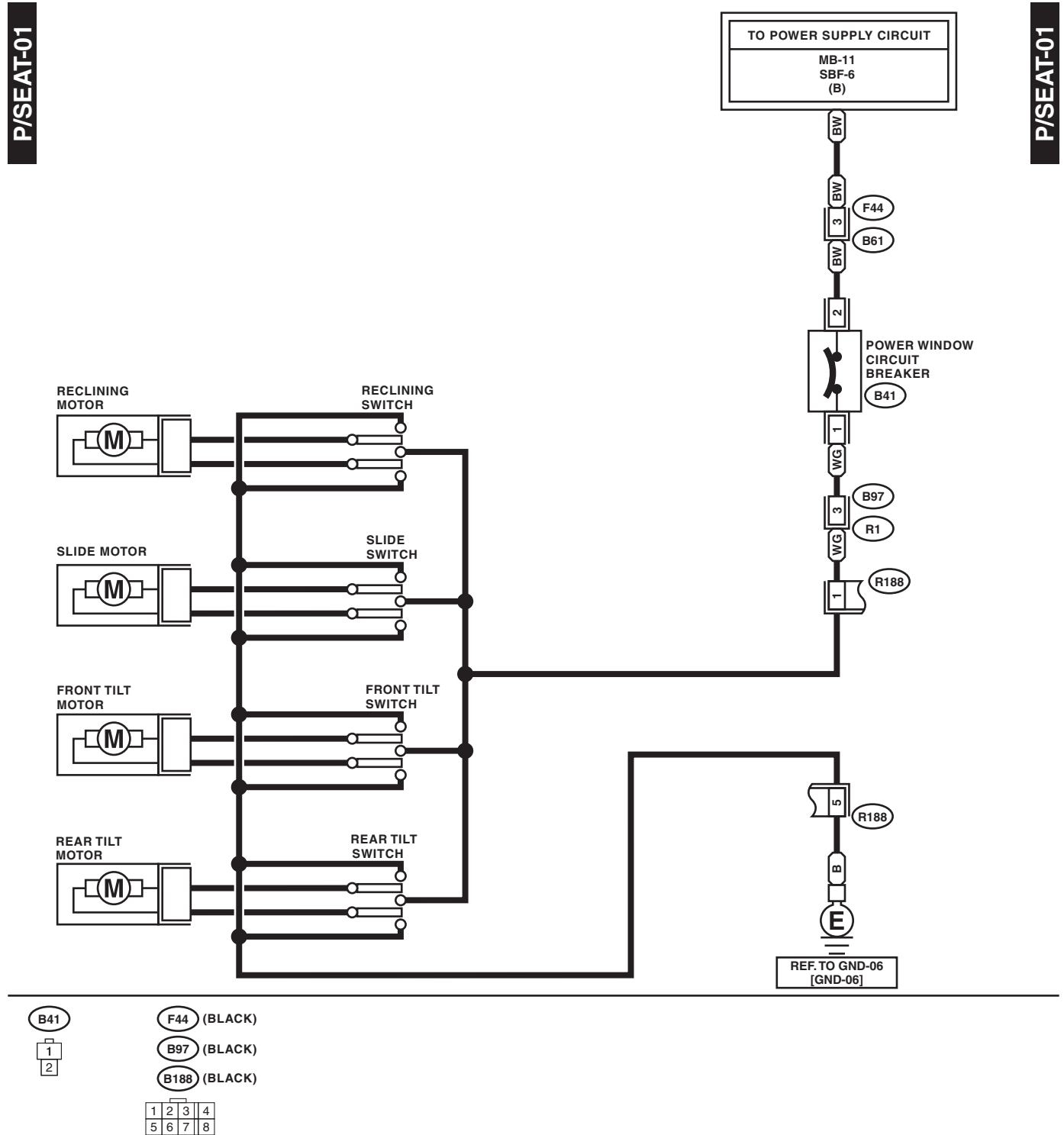


# Power Seat System

WIRING SYSTEM

## 19. Power Seat System

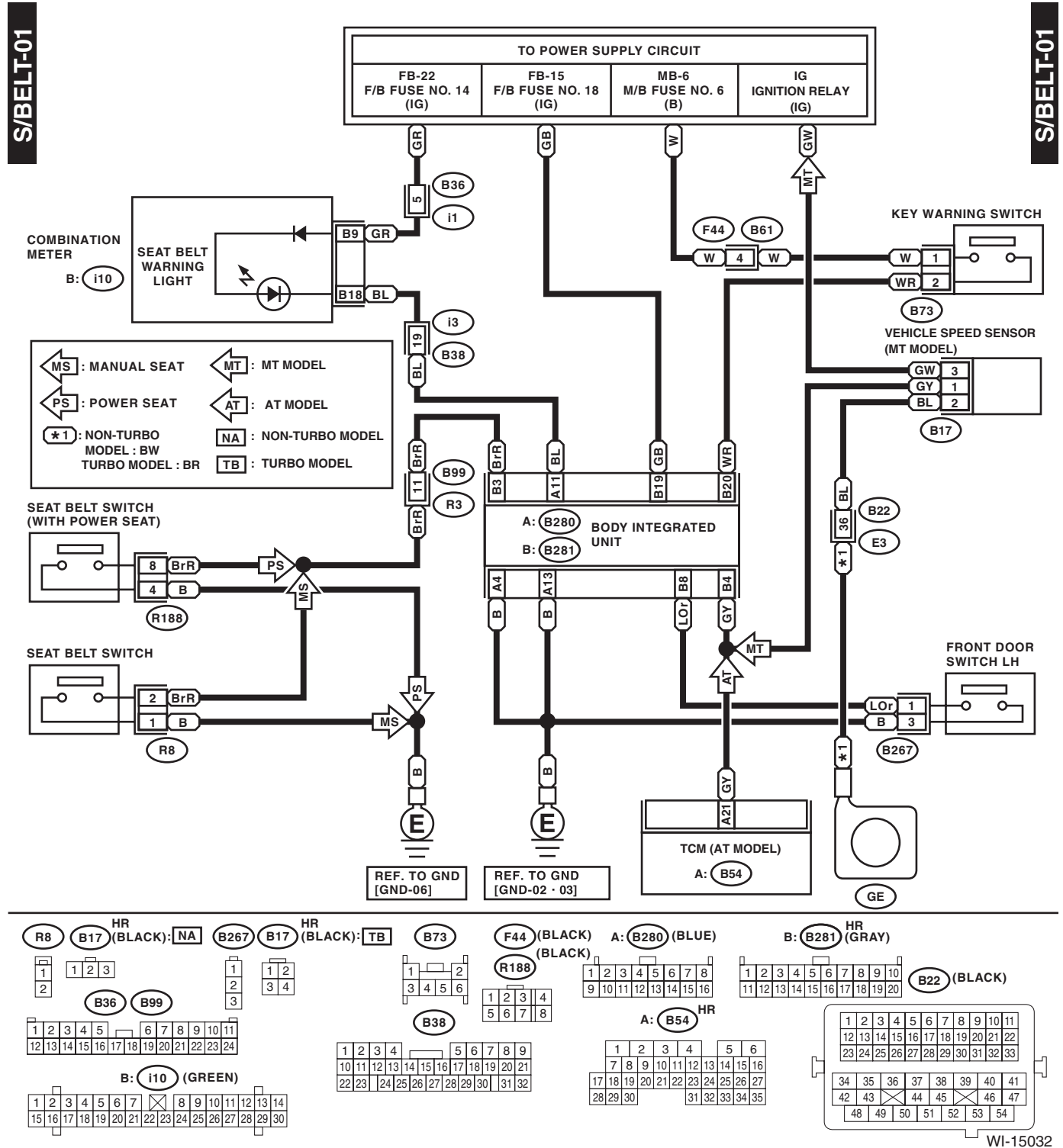
### A: WIRING DIAGRAM



WI-08410

## 20.Seat Belt Warning System

### A: WIRING DIAGRAM

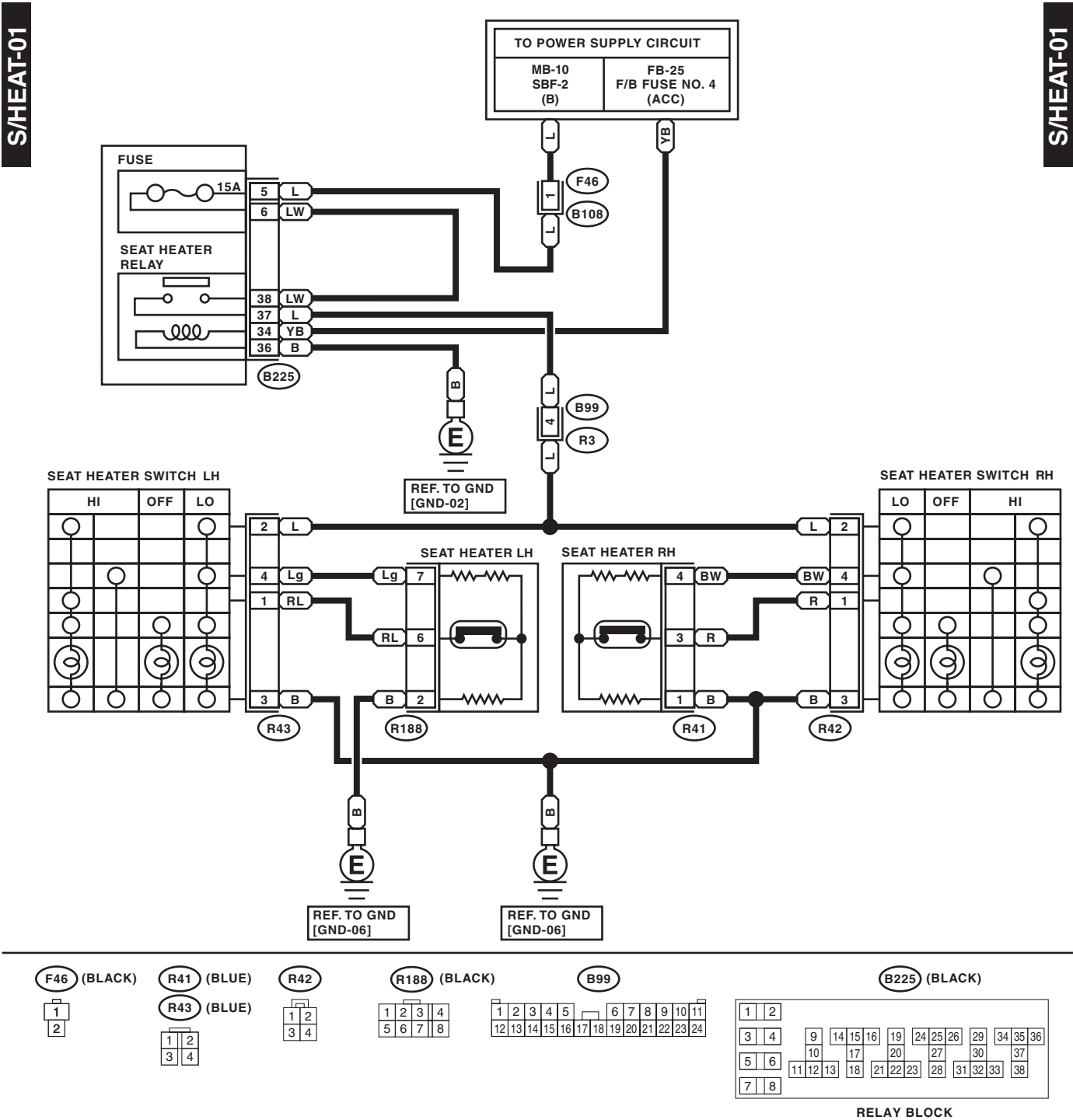


# Seat Heater System

WIRING SYSTEM

## 21.Seat Heater System

### A: WIRING DIAGRAM

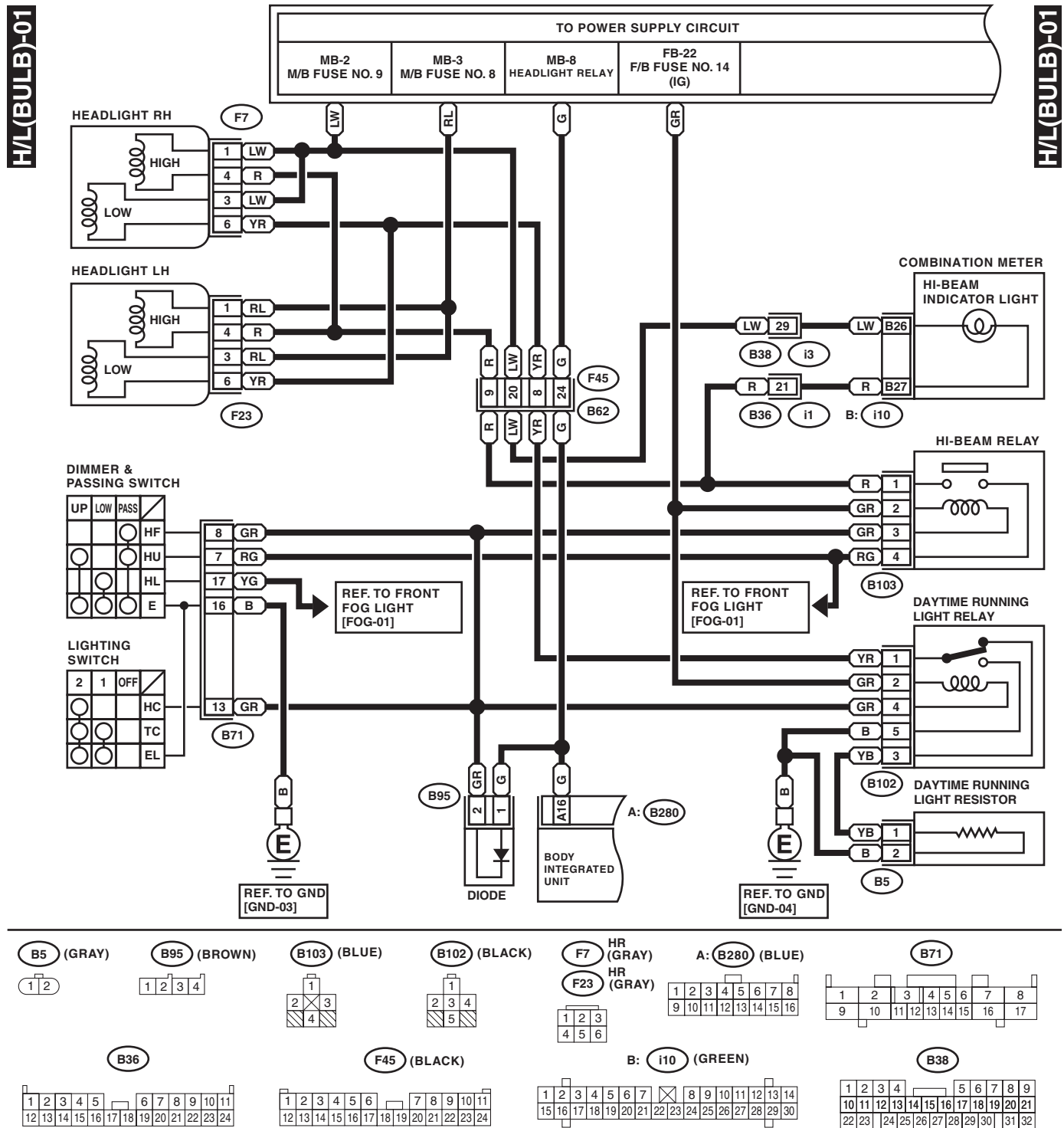


WI-12278

## 22.Headlight System

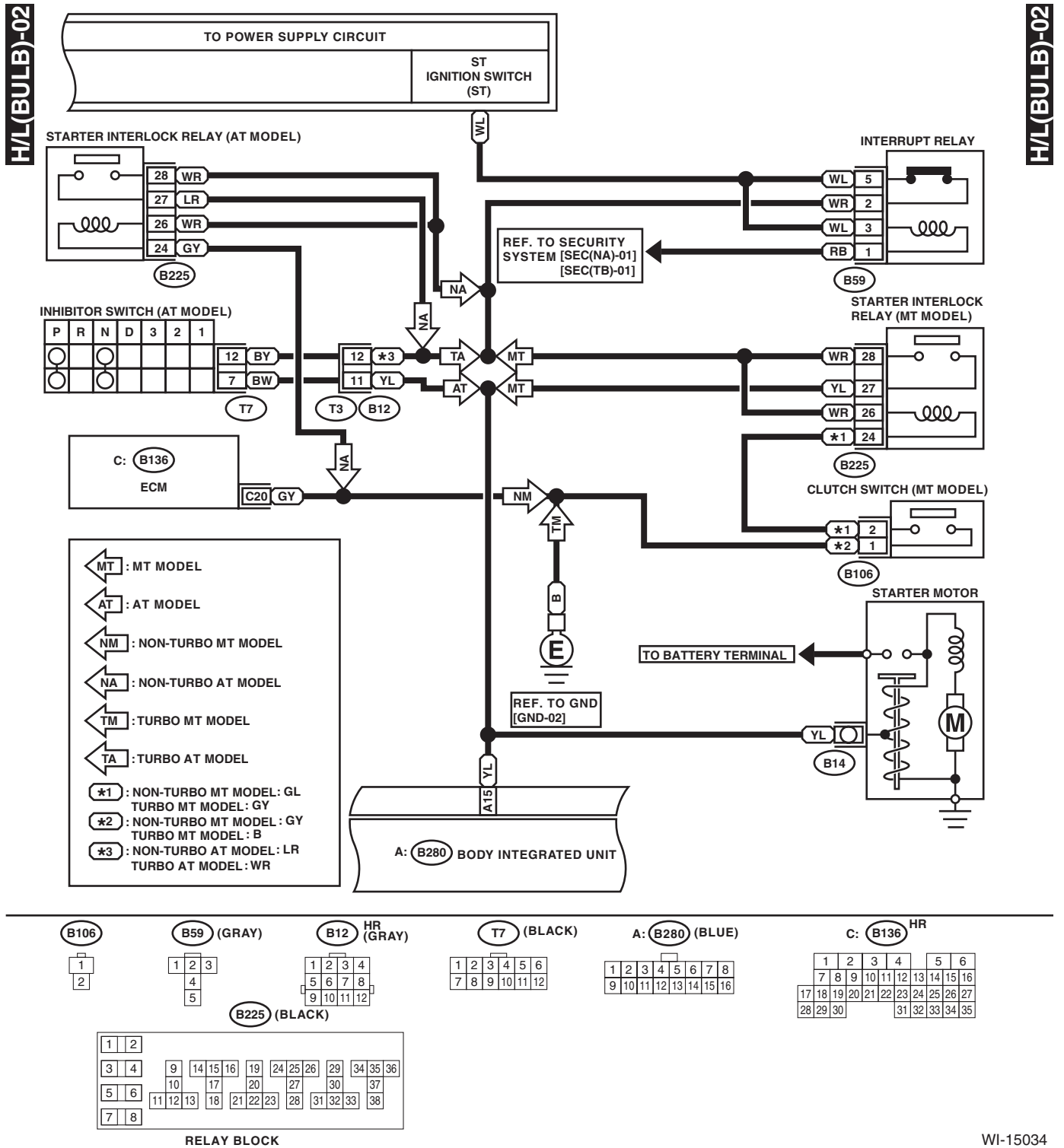
### A: WIRING DIAGRAM

#### 1. MODEL WITHOUT HID



# Headlight System

## WIRING SYSTEM

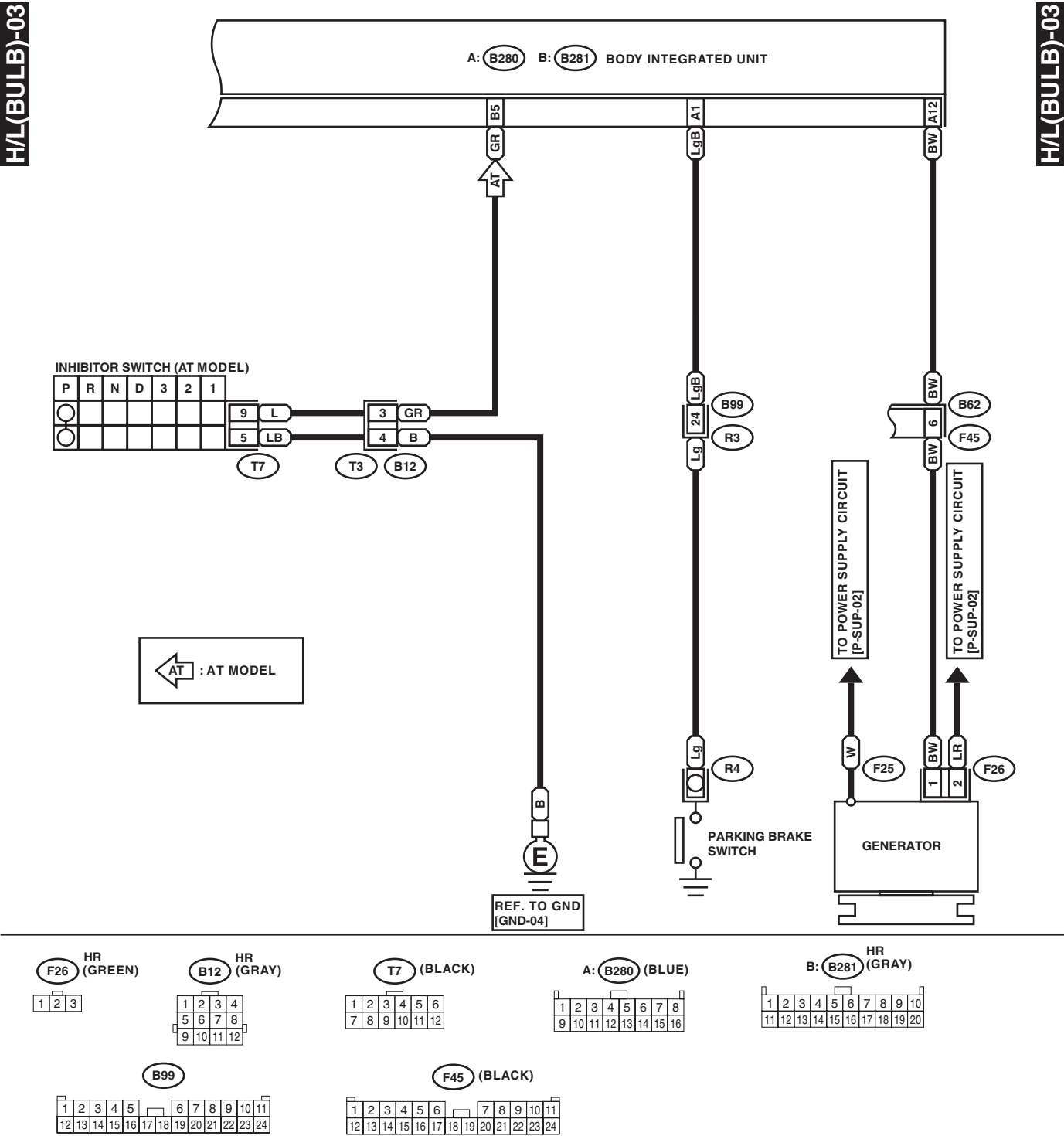


WI-15034



Headlight System

WIRING SYSTEM

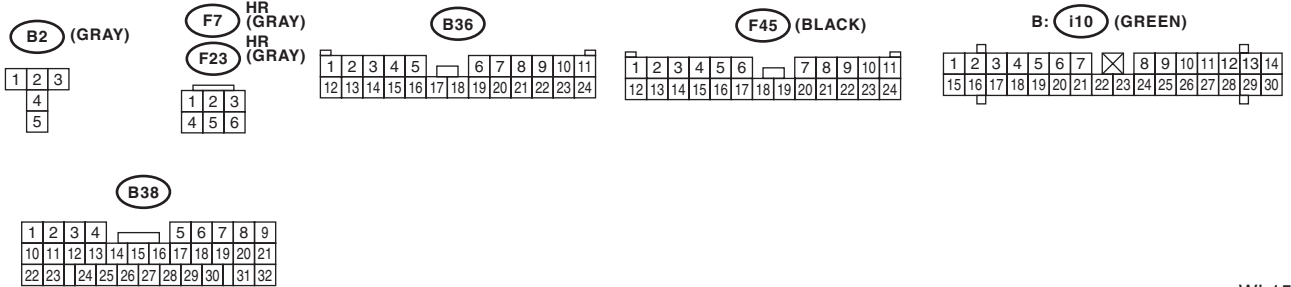
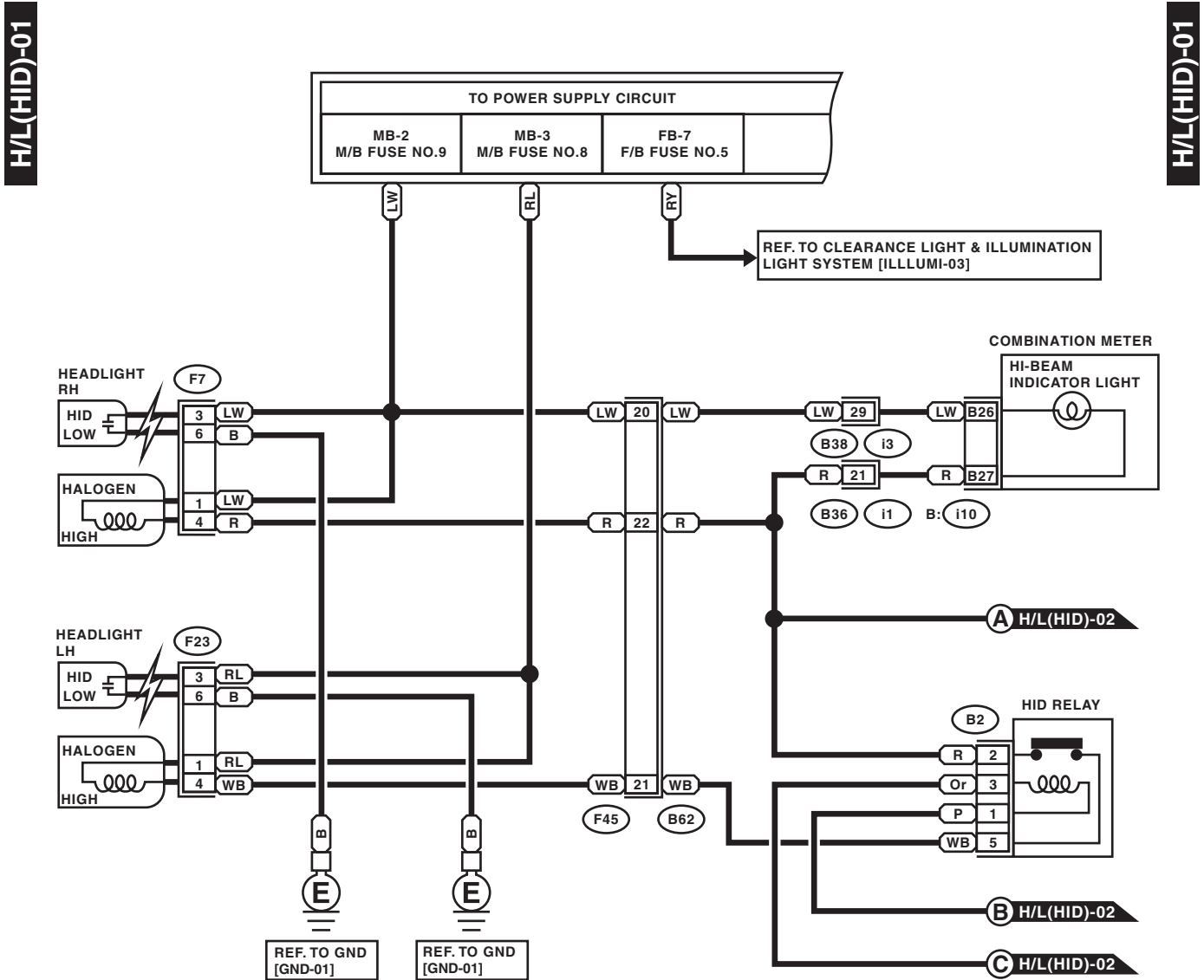


WI-15035

# Headlight System

## WIRING SYSTEM

### 2. MODEL WITH HID



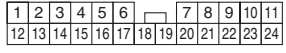
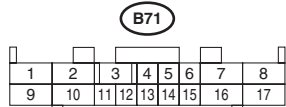
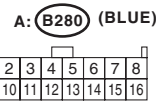
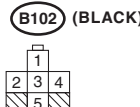
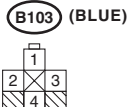
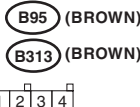
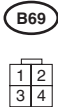
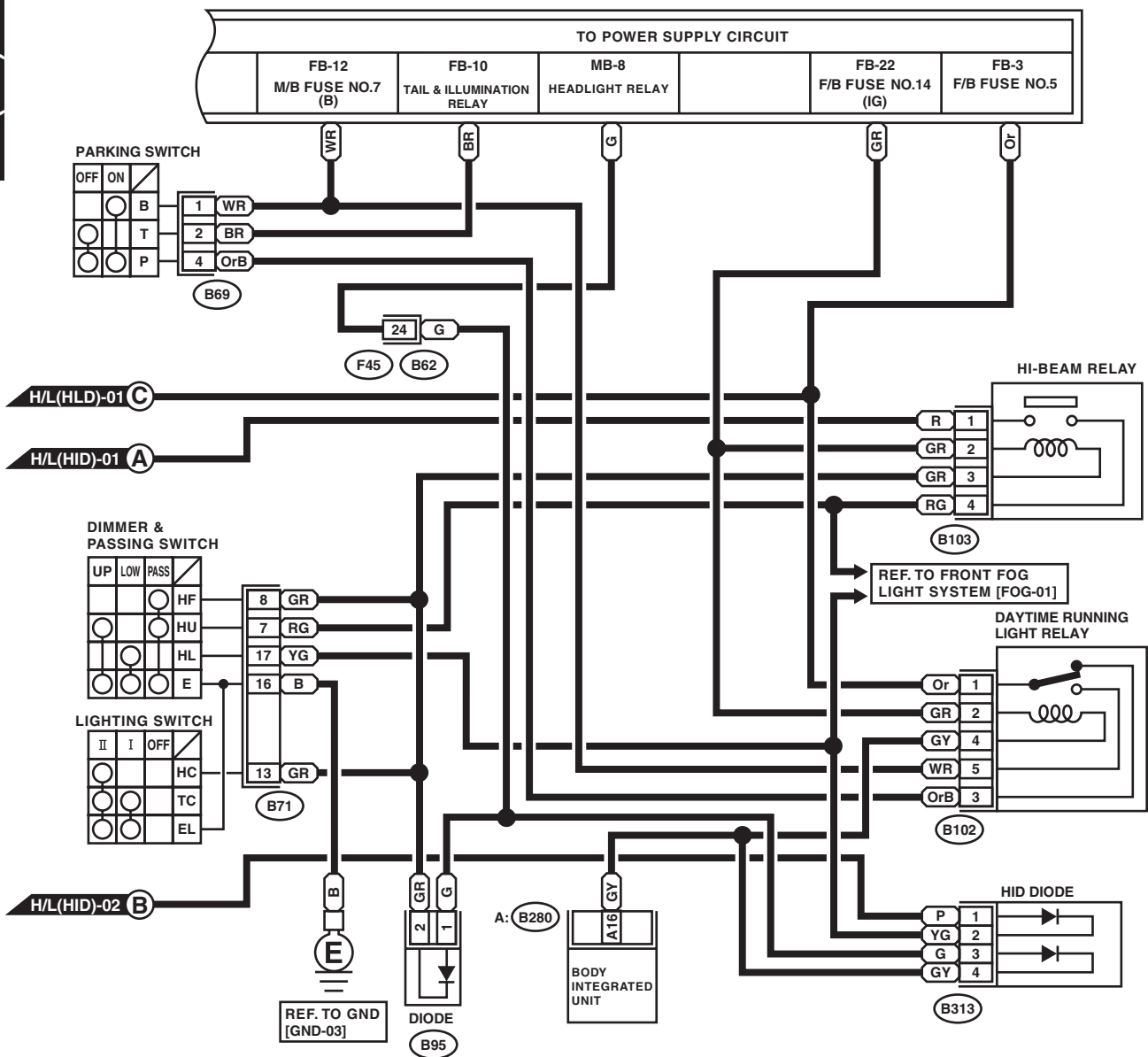
WI-15036

# Headlight System

WIRING SYSTEM

H/L(HID)-02

H/L(HID)-02



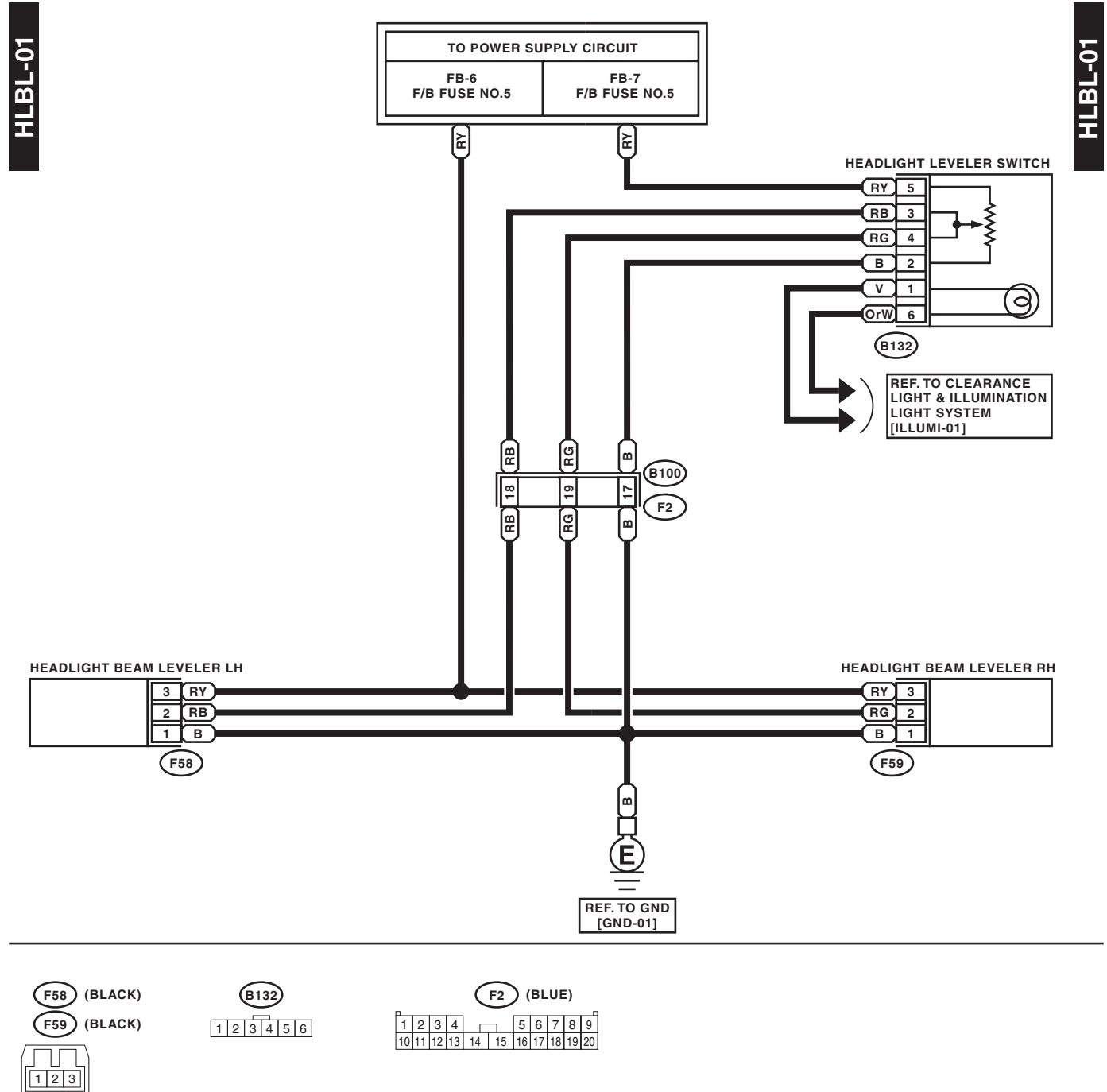
WI-12283

# Headlight Beam Leveler System

## WIRING SYSTEM

### 23.Headlight Beam Leveler System

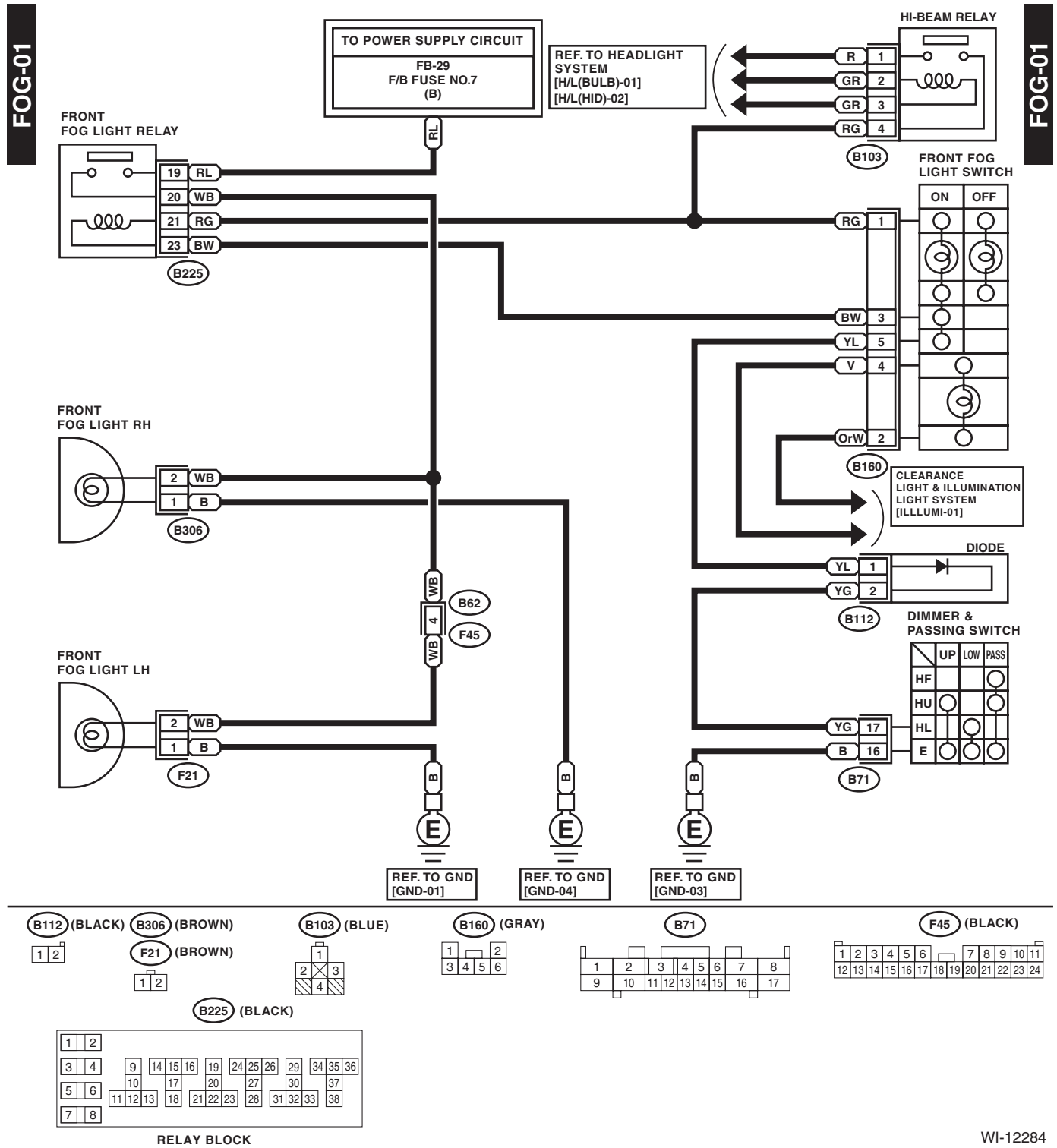
#### A: WIRING DIAGRAM



WI-12322

## 24.Front Fog Light System

### A: WIRING DIAGRAM



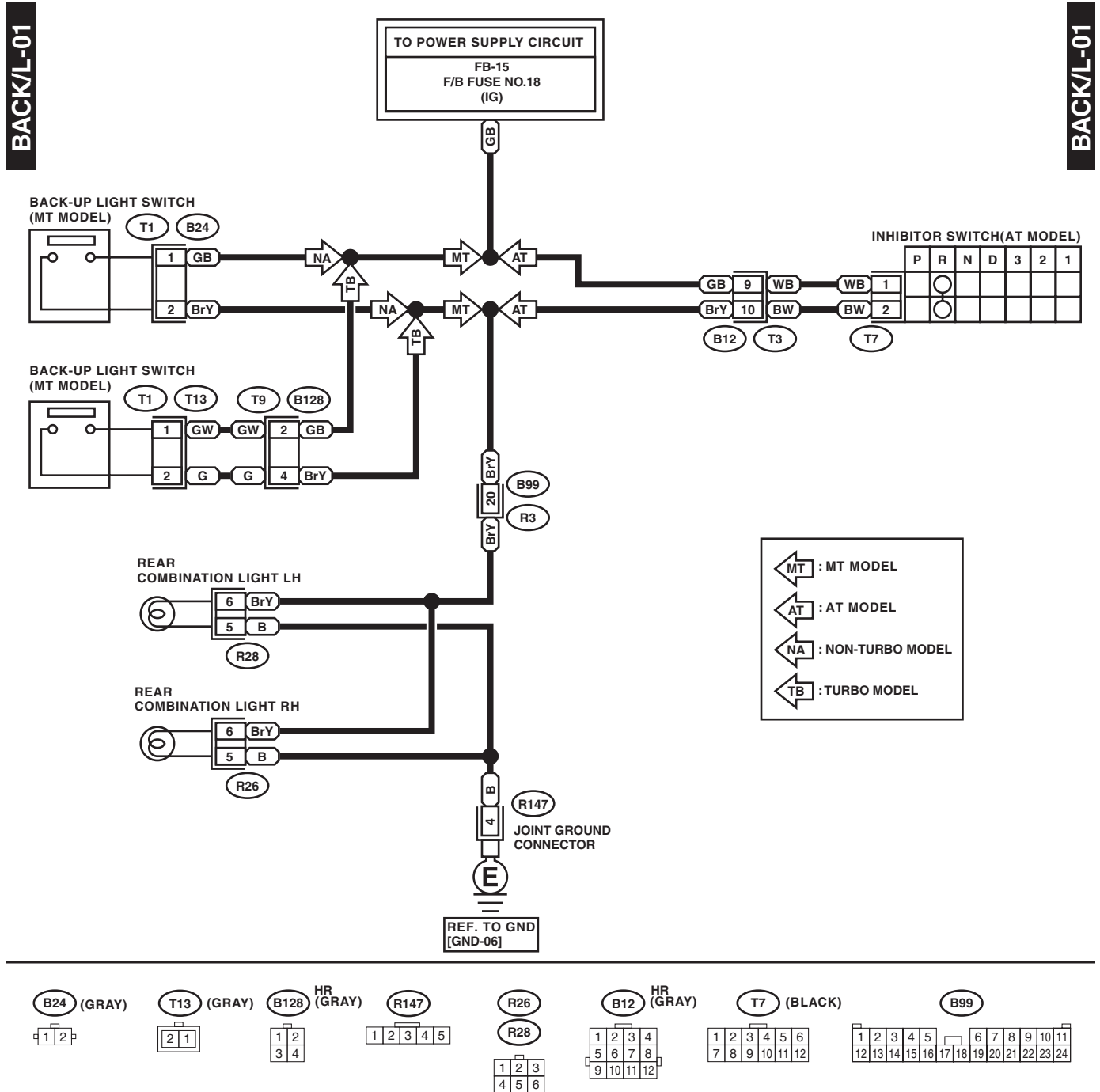
WI-12284

# Back-up Light System

## WIRING SYSTEM

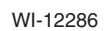
### 25.Back-up Light System

#### A: WIRING DIAGRAM



WI-15037

## A: WIRING DIAGRAM

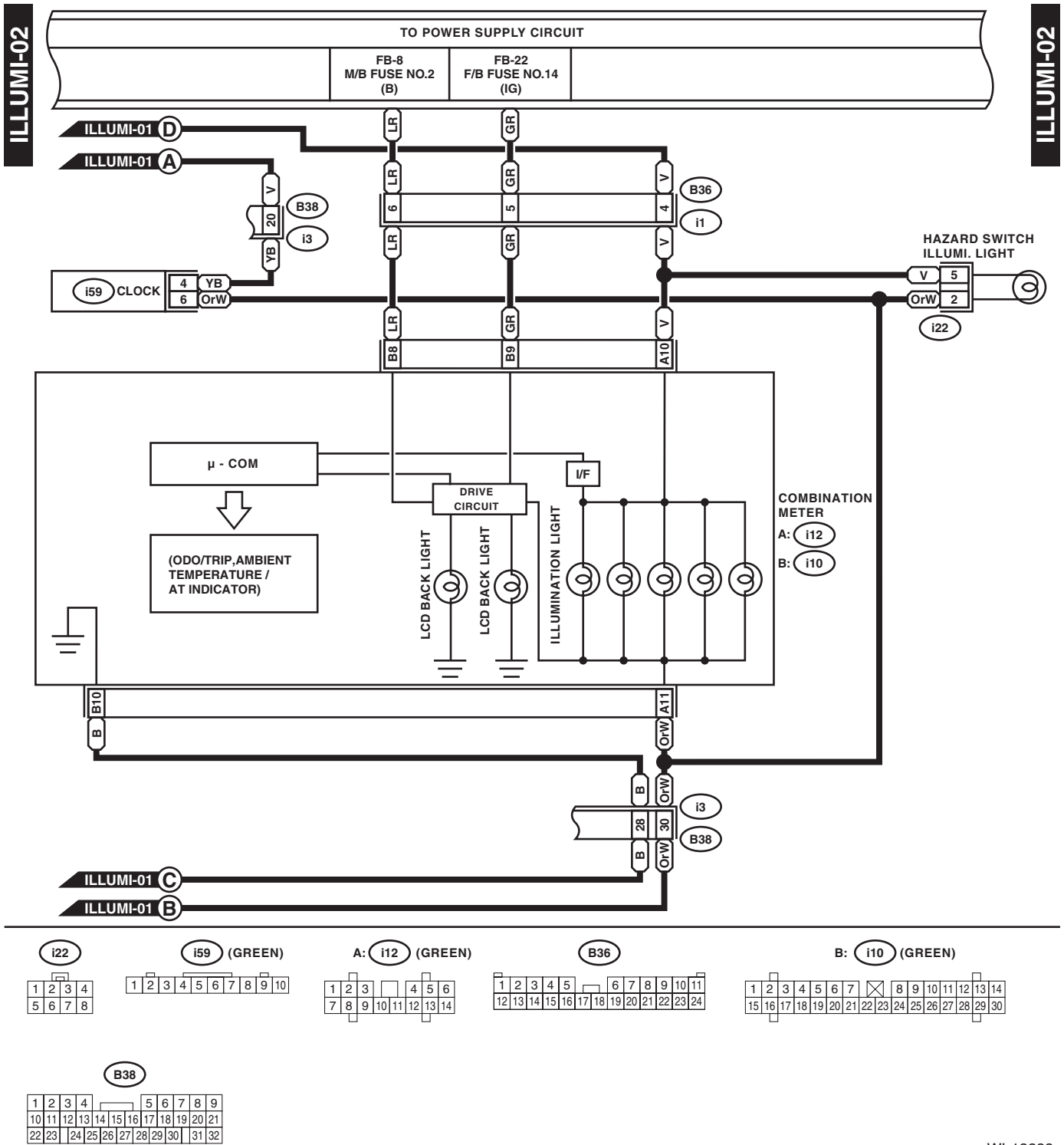






# Clearance Light and Illumination Light System

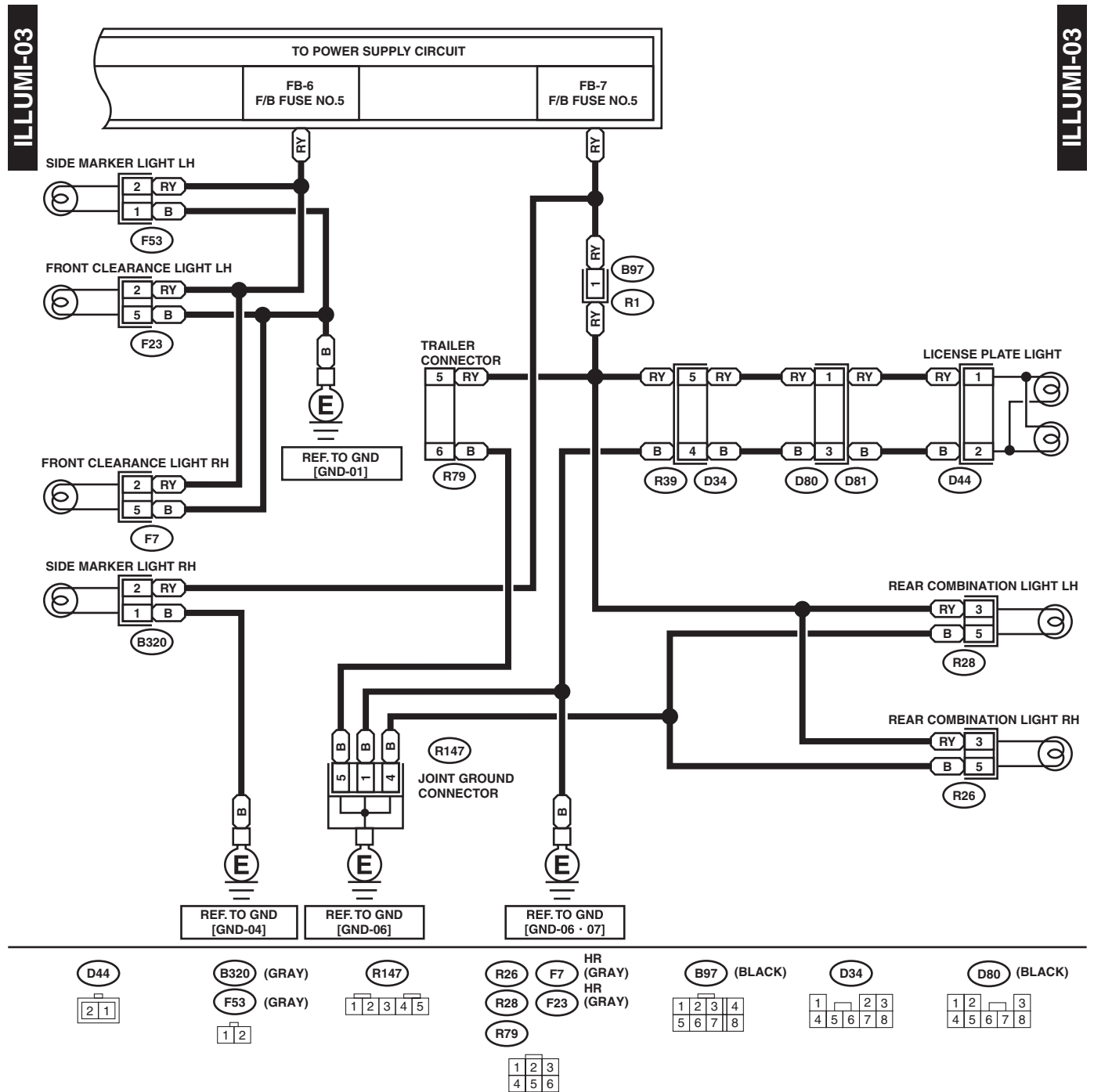
WIRING SYSTEM



WI-12288

# Clearance Light and Illumination Light System

## WIRING SYSTEM

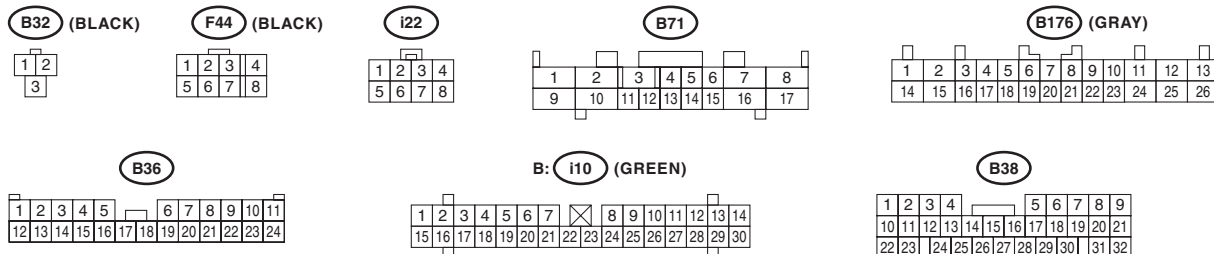
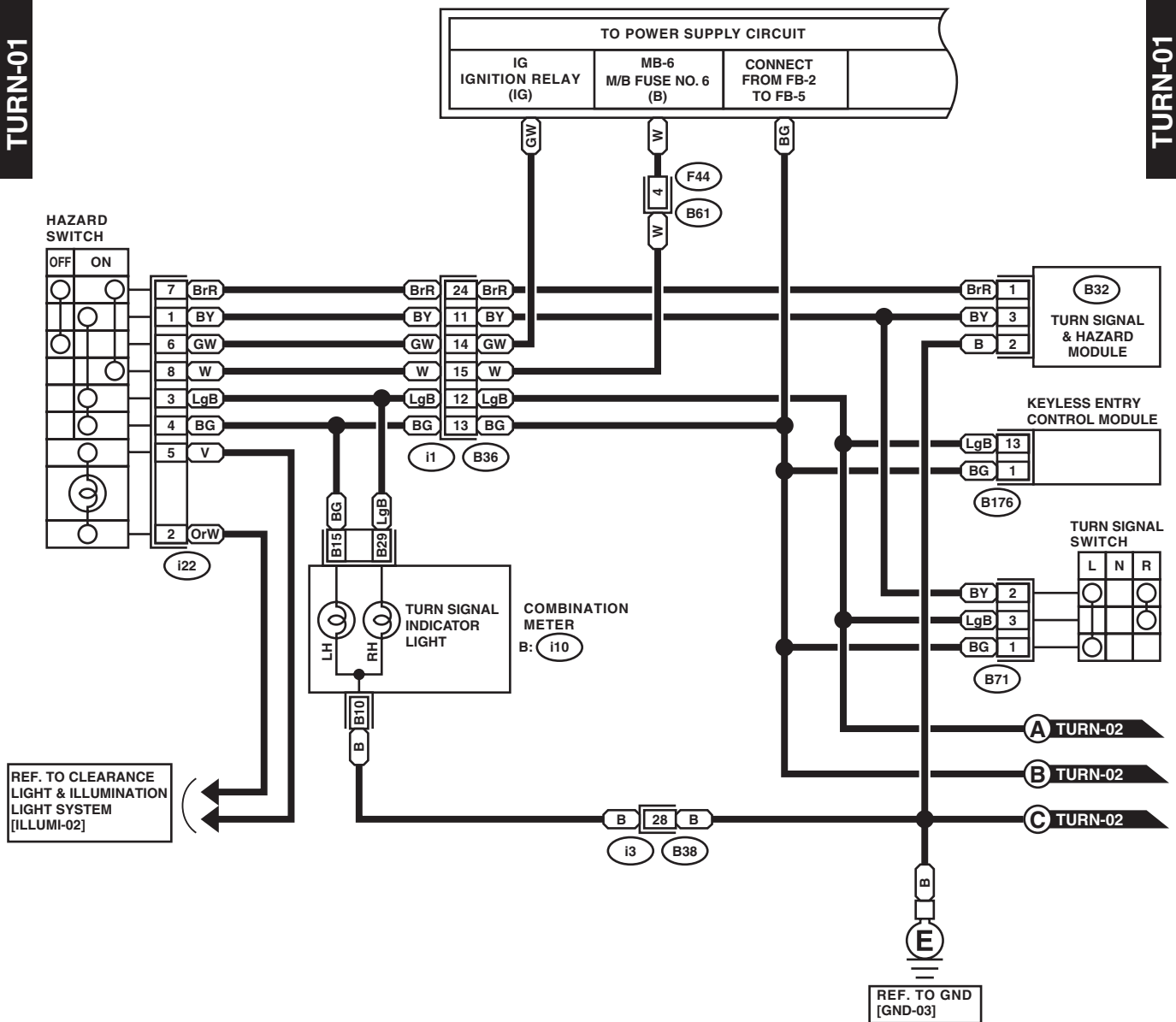


WI-15039

## A: WIRING DIAGRAM

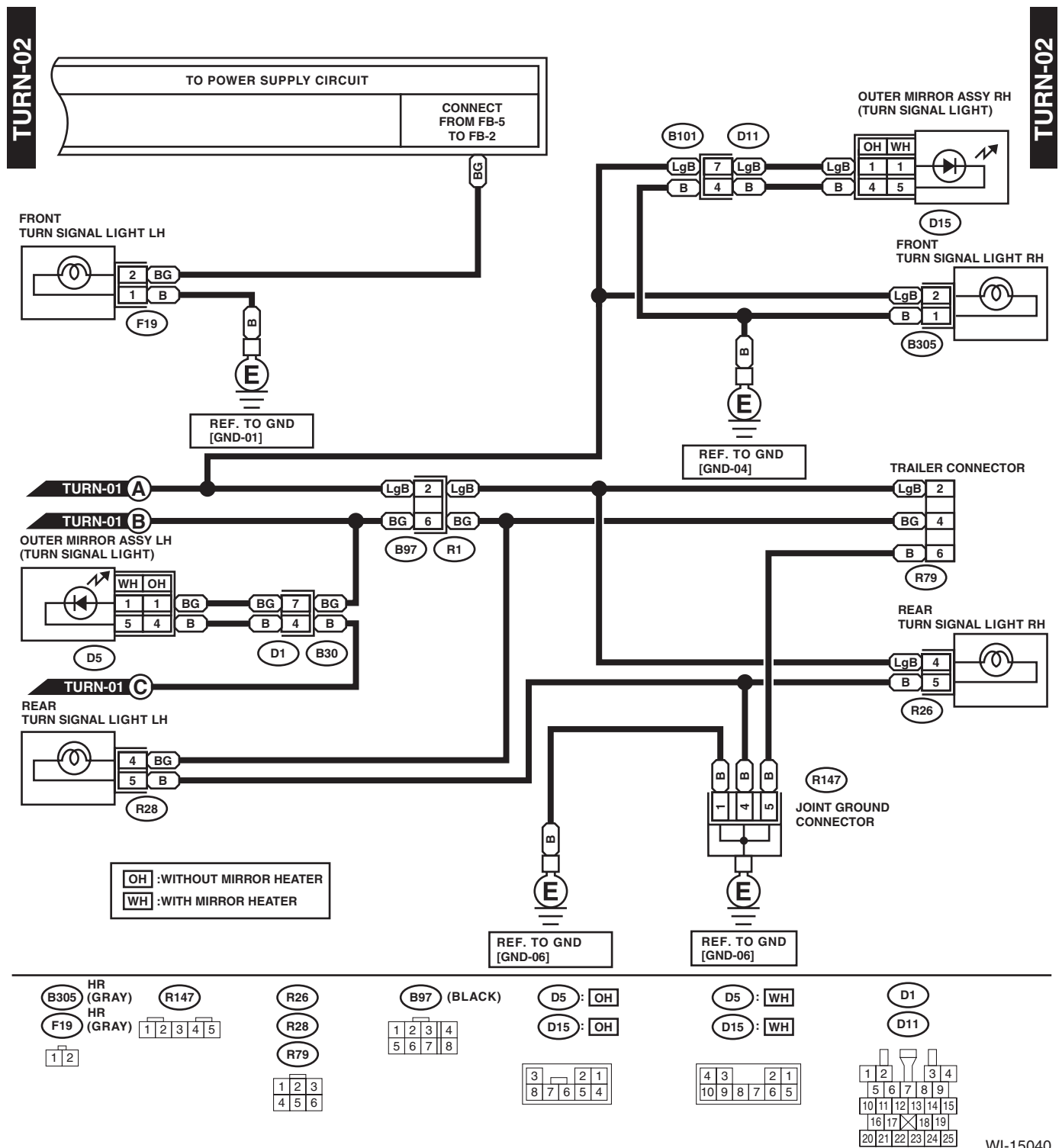
**TURN-01**

TURN-01

**WI-117**

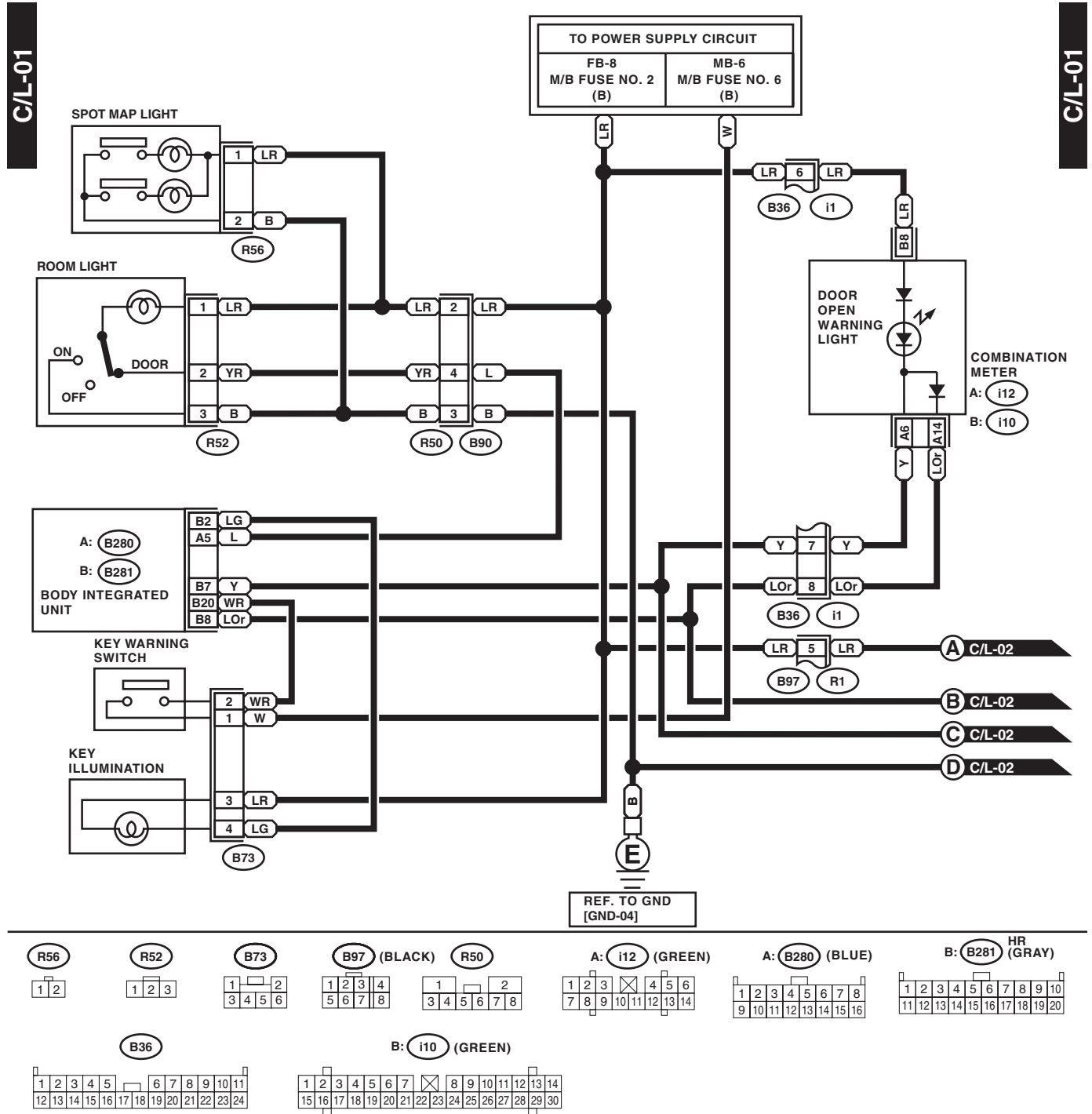
# Turn Signal Light and Hazard Light System

## WIRING SYSTEM



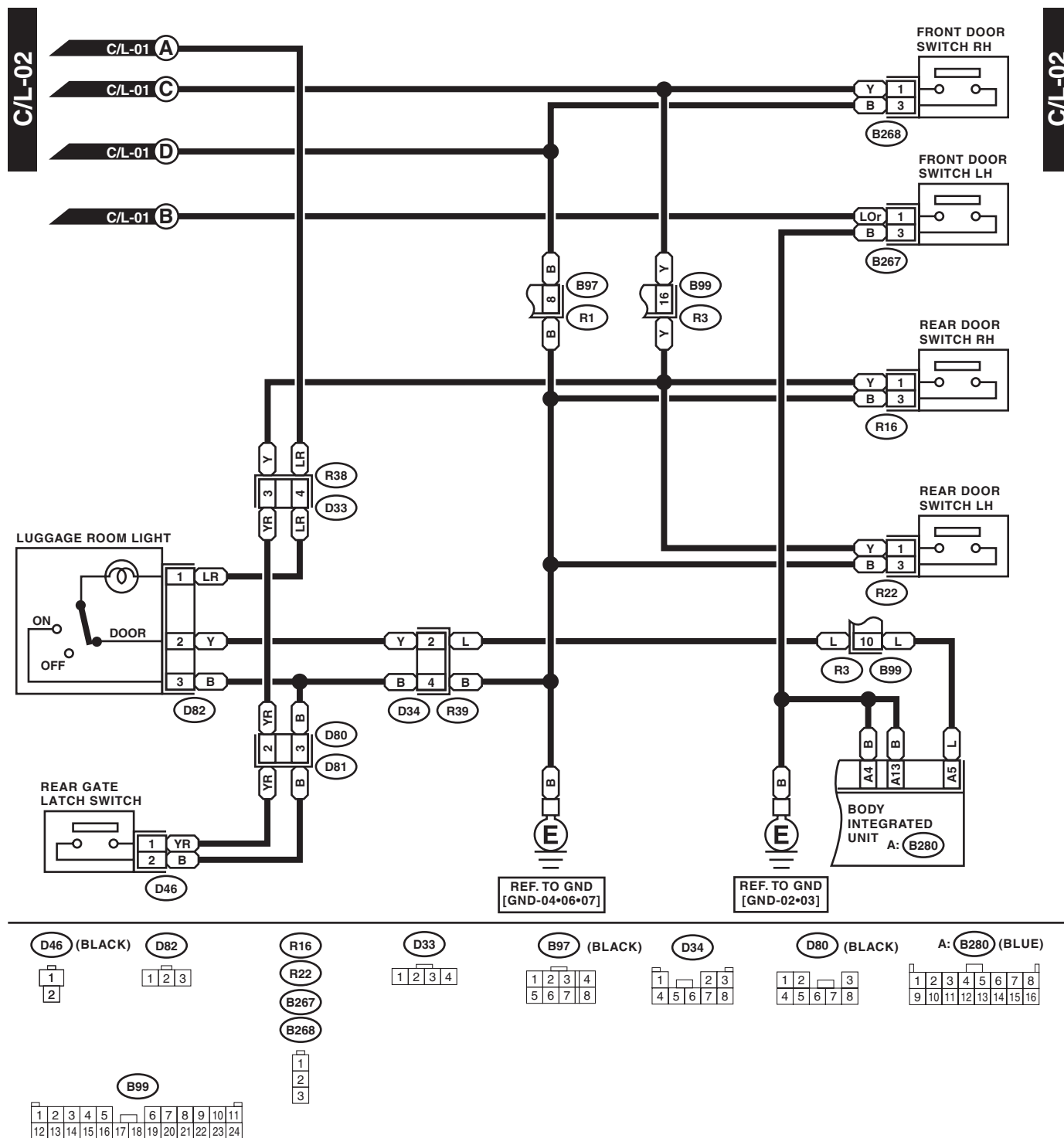
## 29. Interior Light System

### A: WIRING DIAGRAM



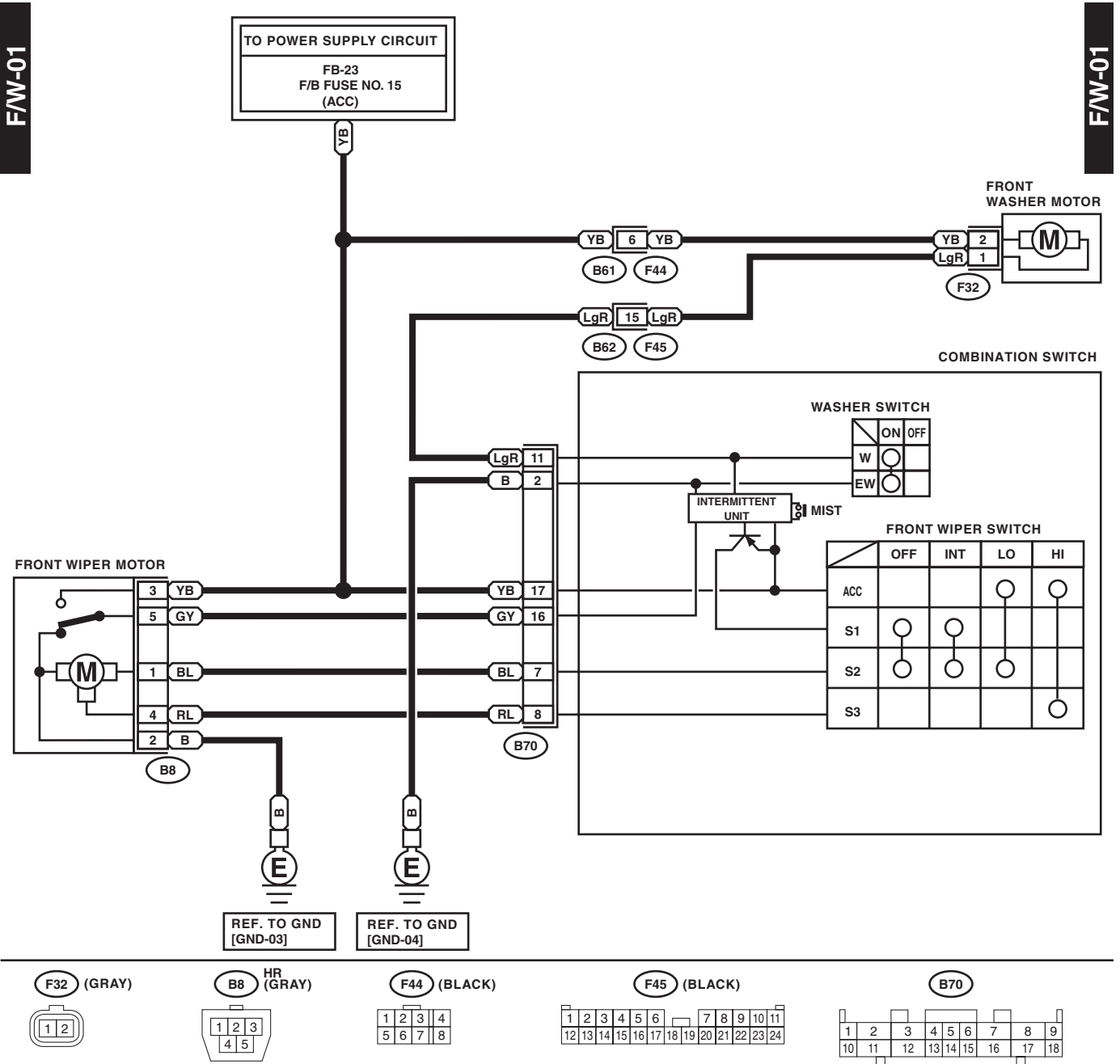
WI-15041

## WIRING SYSTEM



30.Front Wiper and Washer System

A: WIRING DIAGRAM

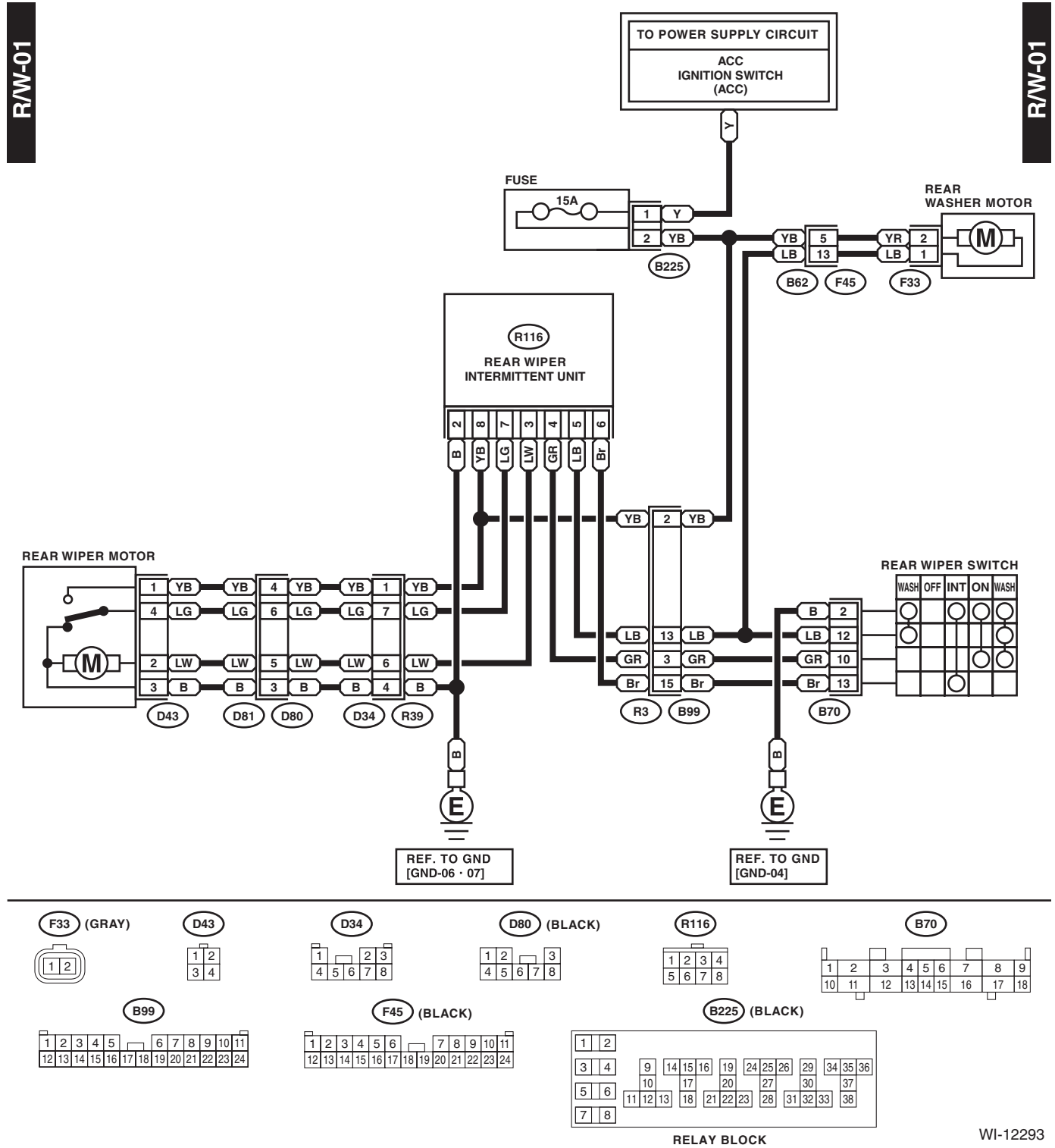


# Rear Wiper and Washer System

WIRING SYSTEM

## 31.Rear Wiper and Washer System

### A: WIRING DIAGRAM

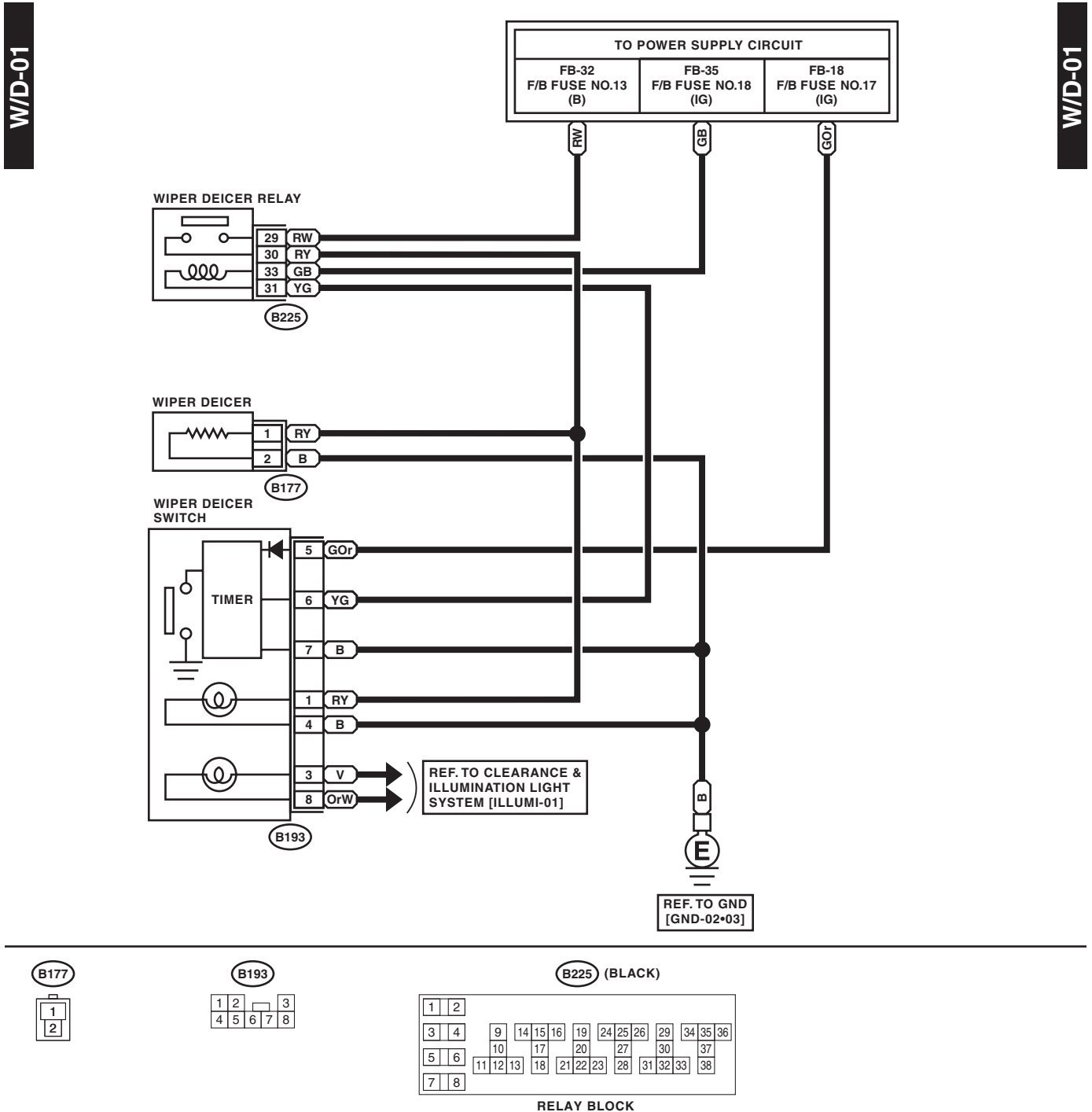


WI-12293



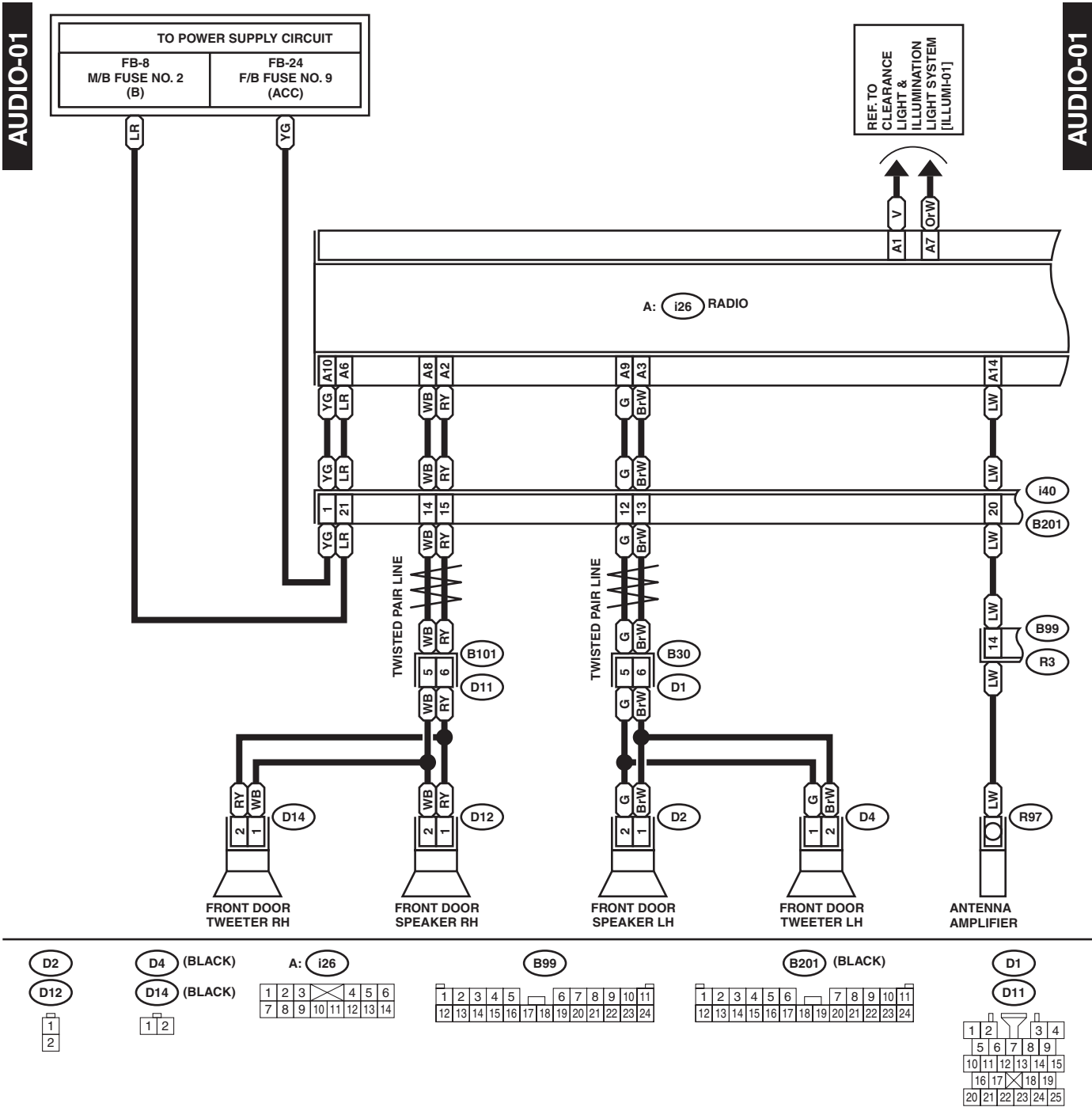
## 32.Wiper Deicer System

### A: WIRING DIAGRAM

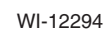


33.Audio System

A: WIRING DIAGRAM



## WIRING SYSTEM

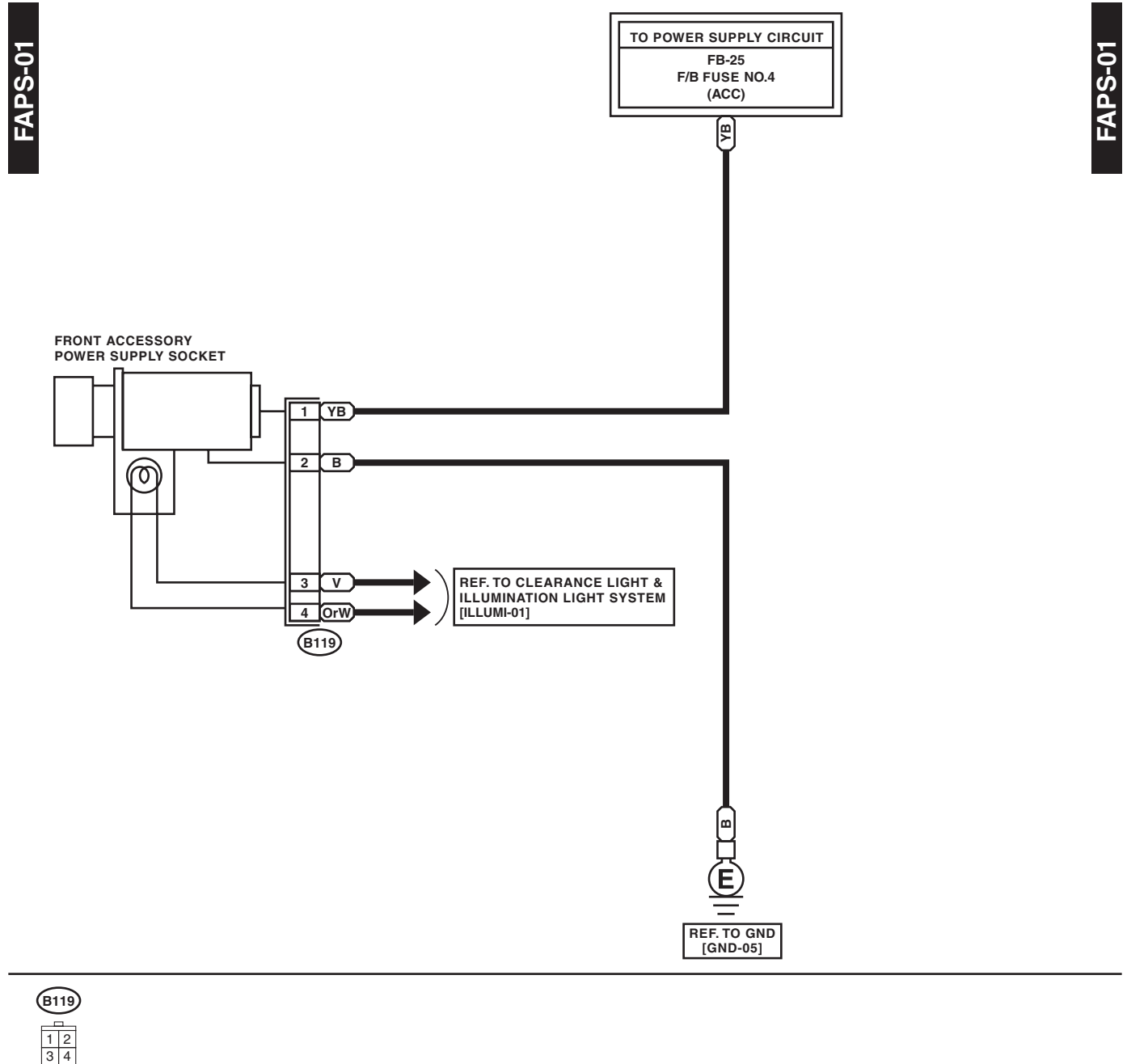


# Front Accessory Power Supply Socket System

WIRING SYSTEM

## 34.Front Accessory Power Supply Socket System

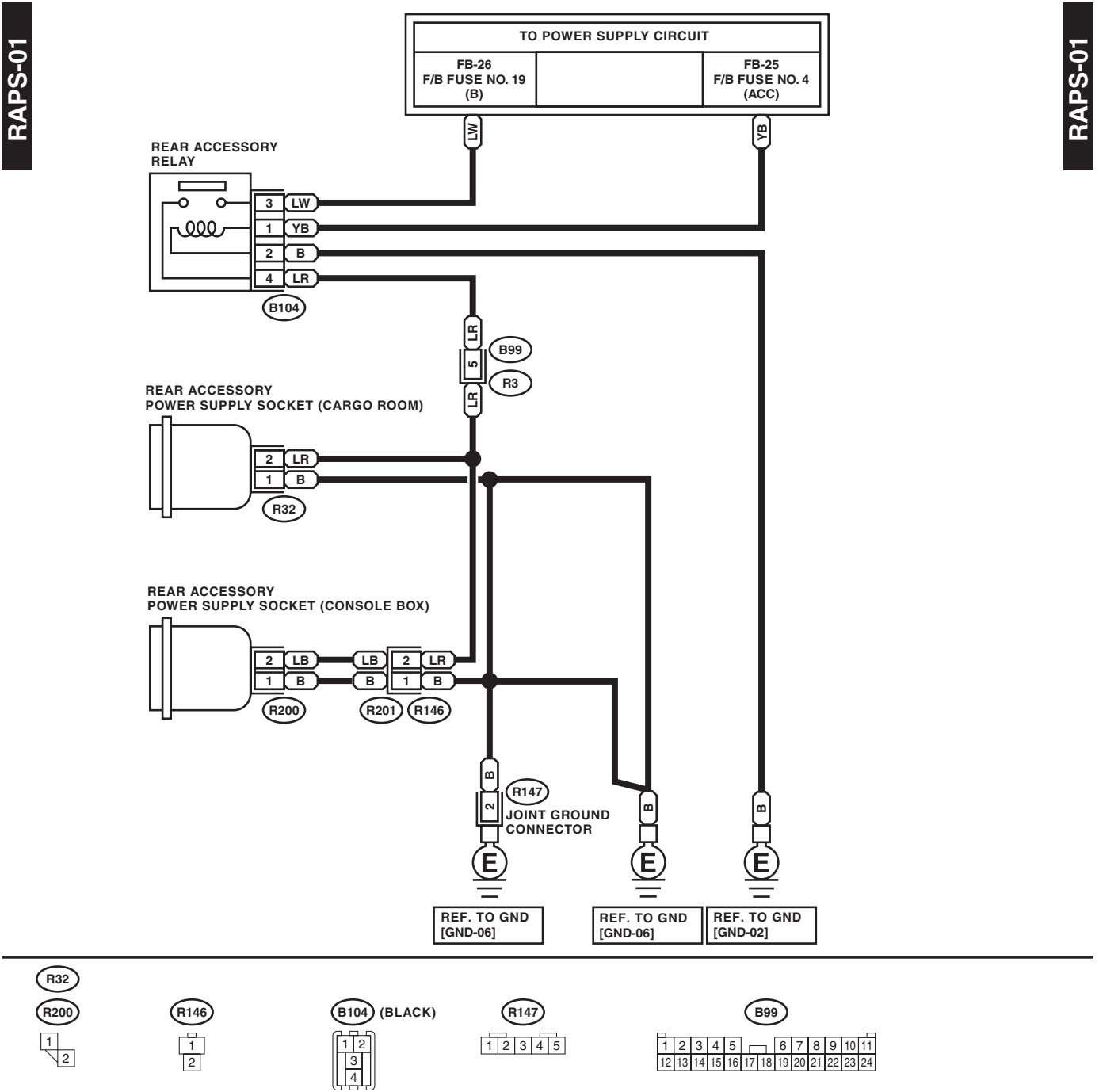
### A: WIRING DIAGRAM



WI-12326

35.Rear Accessory Power Supply Socket System

A: WIRING DIAGRAM



# Horn System

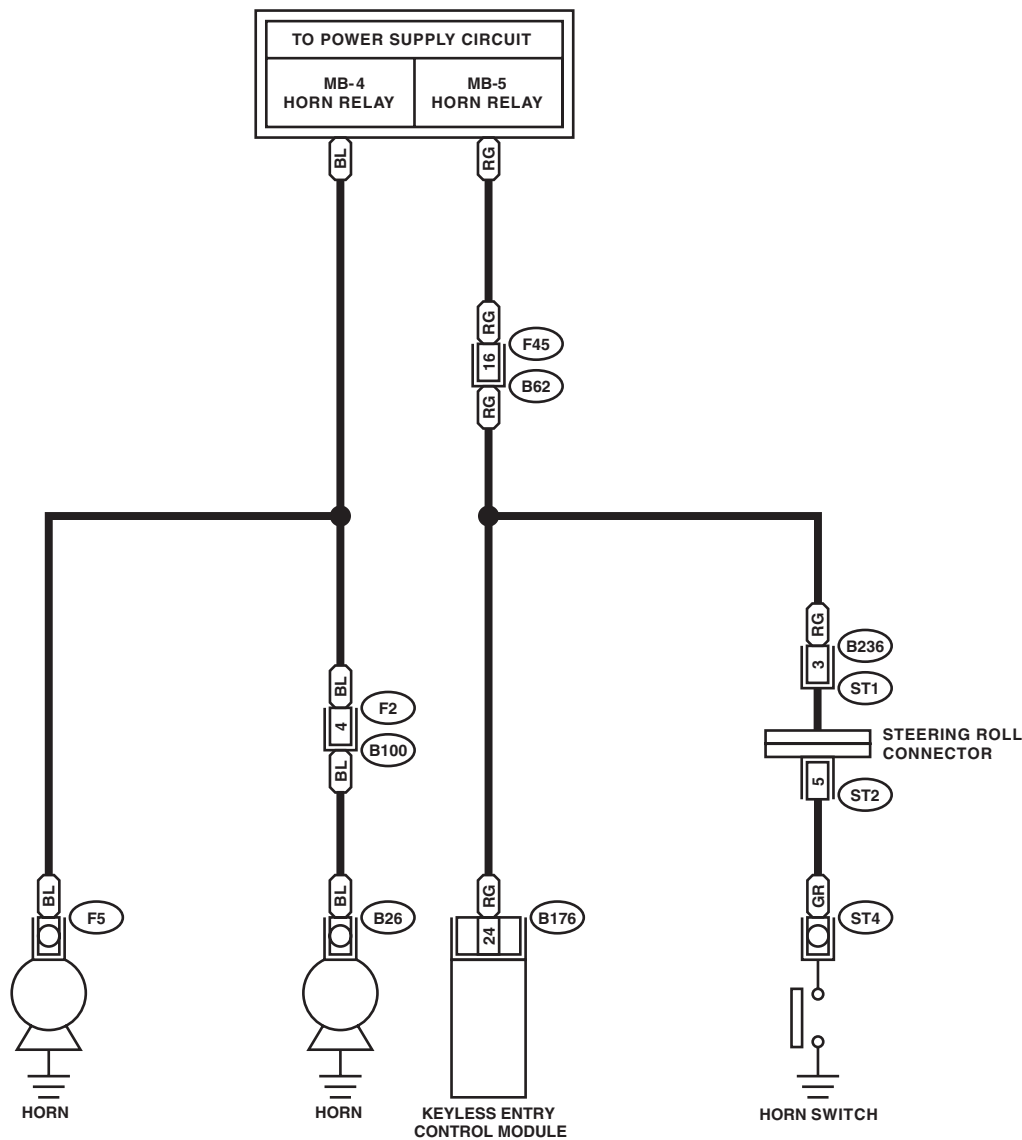
WIRING SYSTEM

## 36.Horn System

### A: WIRING DIAGRAM

HORN-01

HORN-01

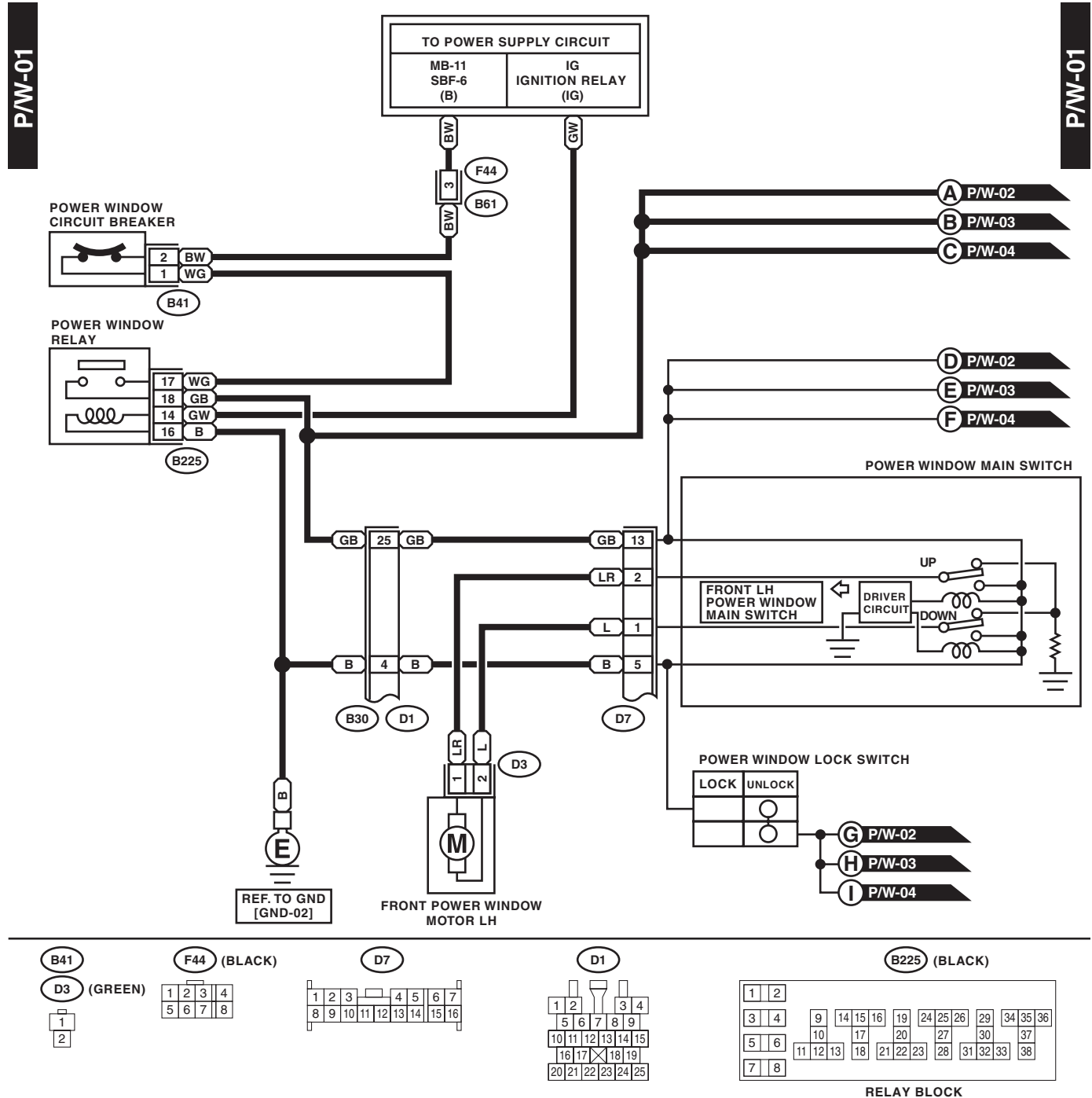


| ST2       | B236            | F2 (BLUE)                                          | F45 (BLACK)                                                    | B176 (GRAY)                                                          |
|-----------|-----------------|----------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------------|
| 1 2 3 4 5 | 1 2 3 4 5 6 7 8 | 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 | 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 | 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 |

WI-12296

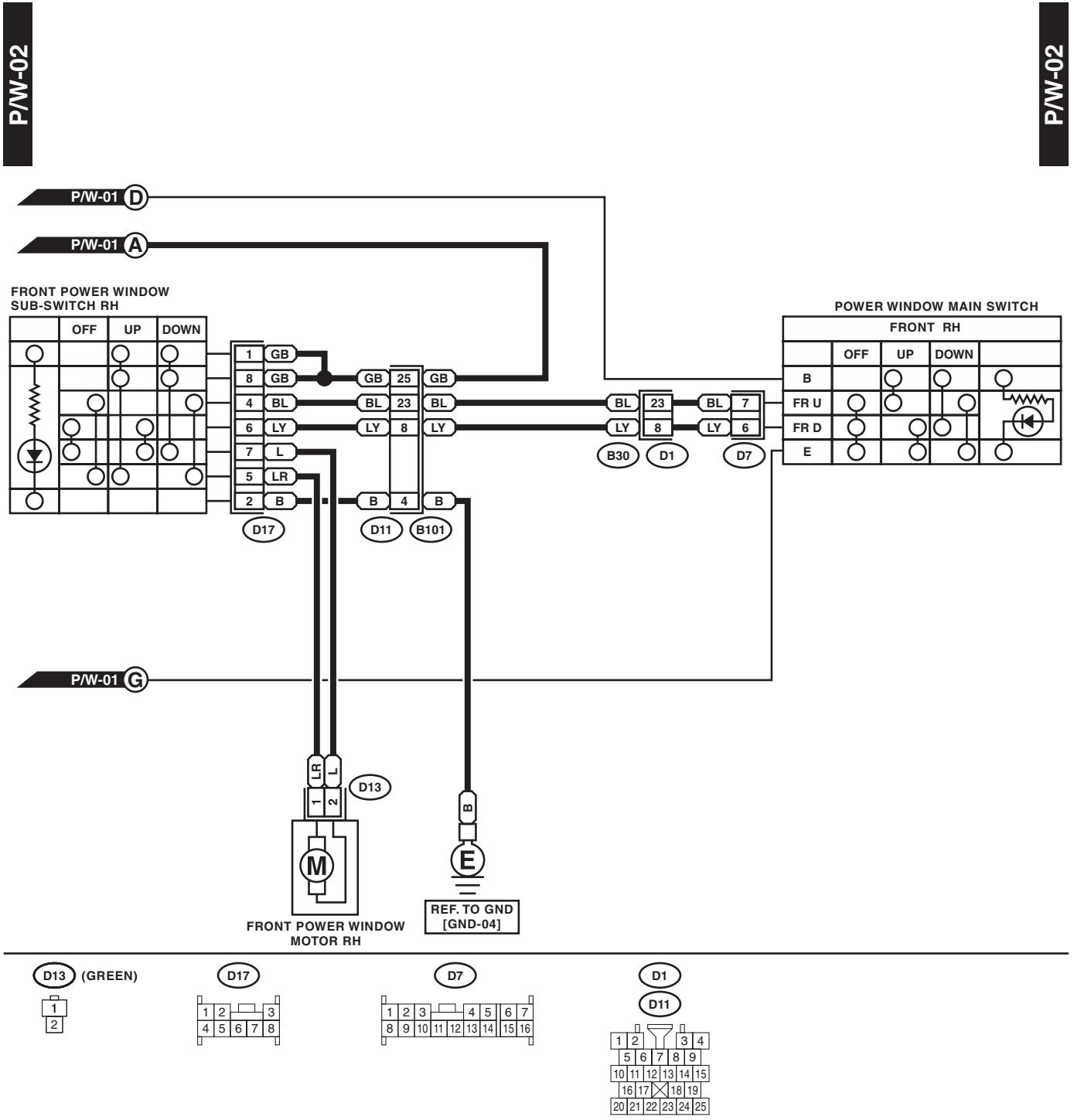
## 37. Power Window System

## A: WIRING DIAGRAM



# Power Window System

## WIRING SYSTEM

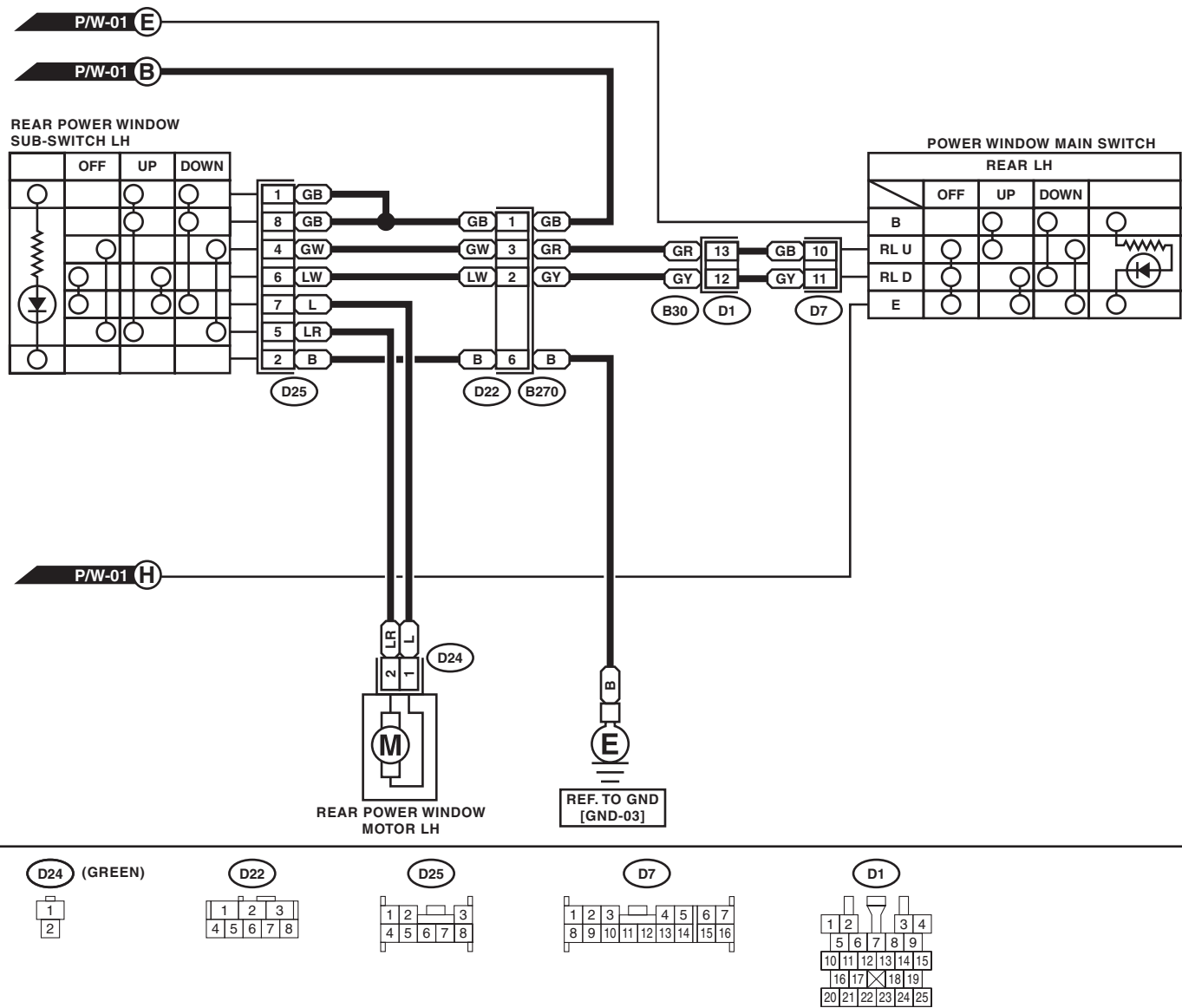


WI-12298



P/W-03

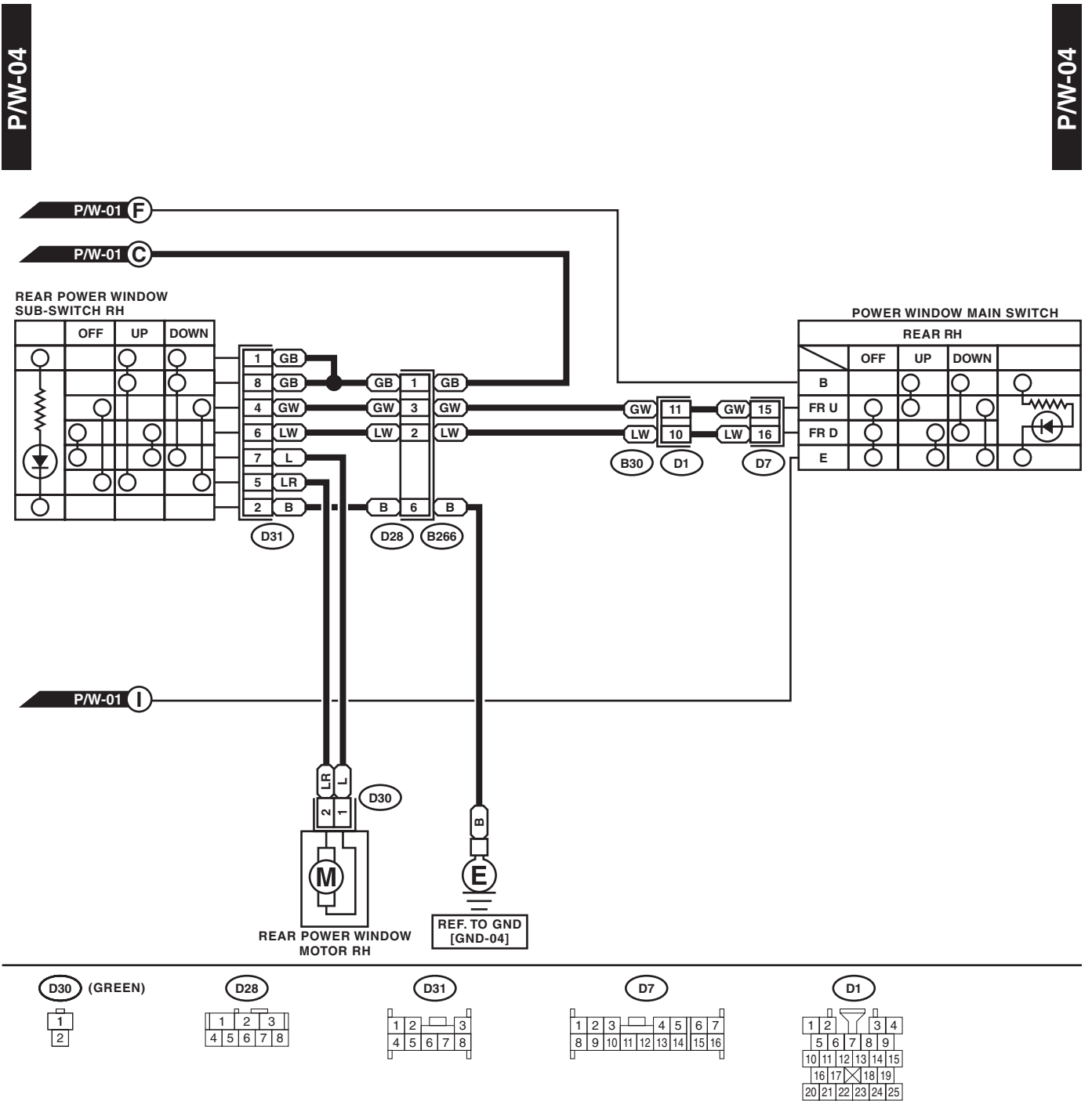
P/W-03



WI-12299

# Power Window System

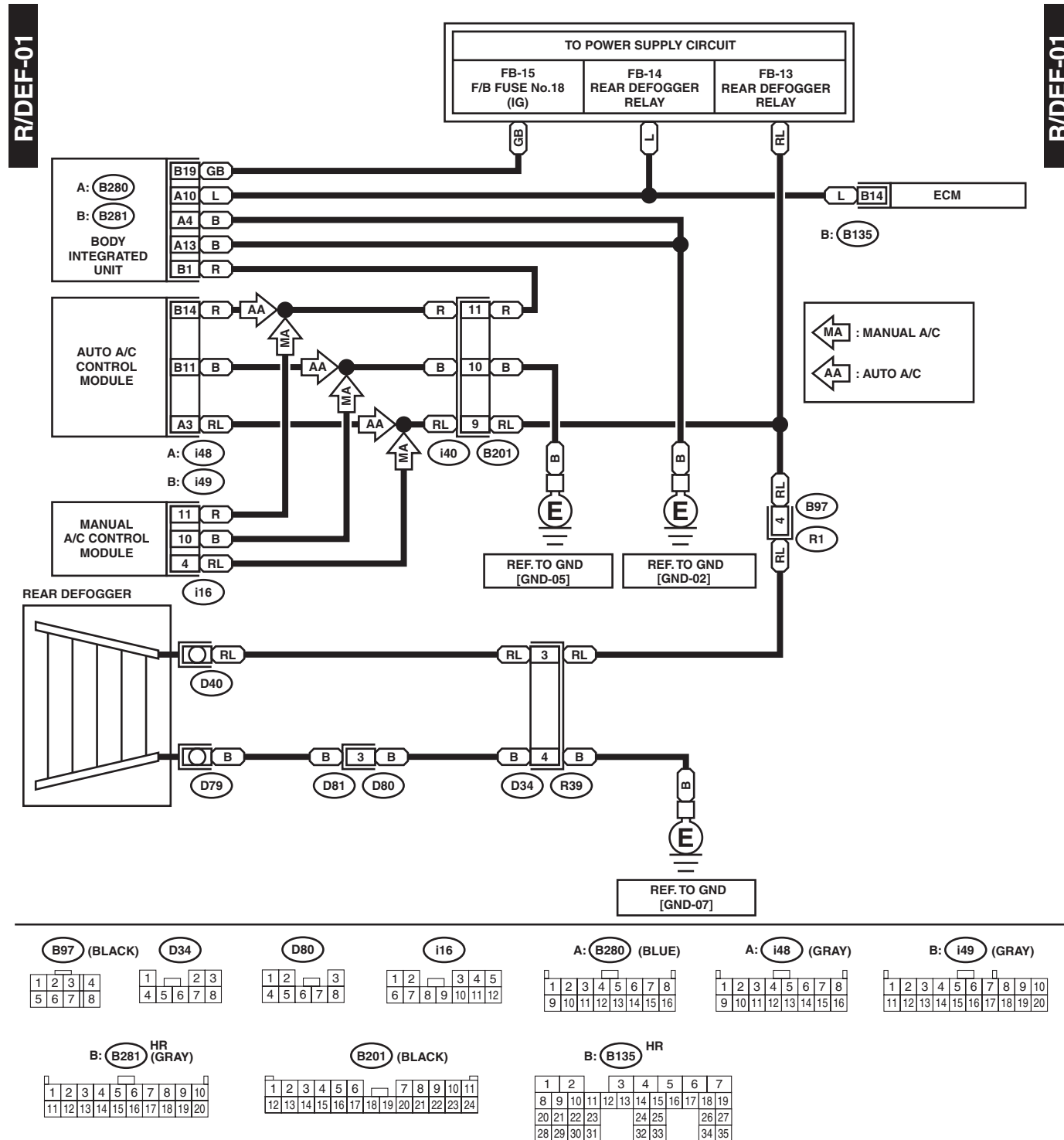
## WIRING SYSTEM



WI-12300

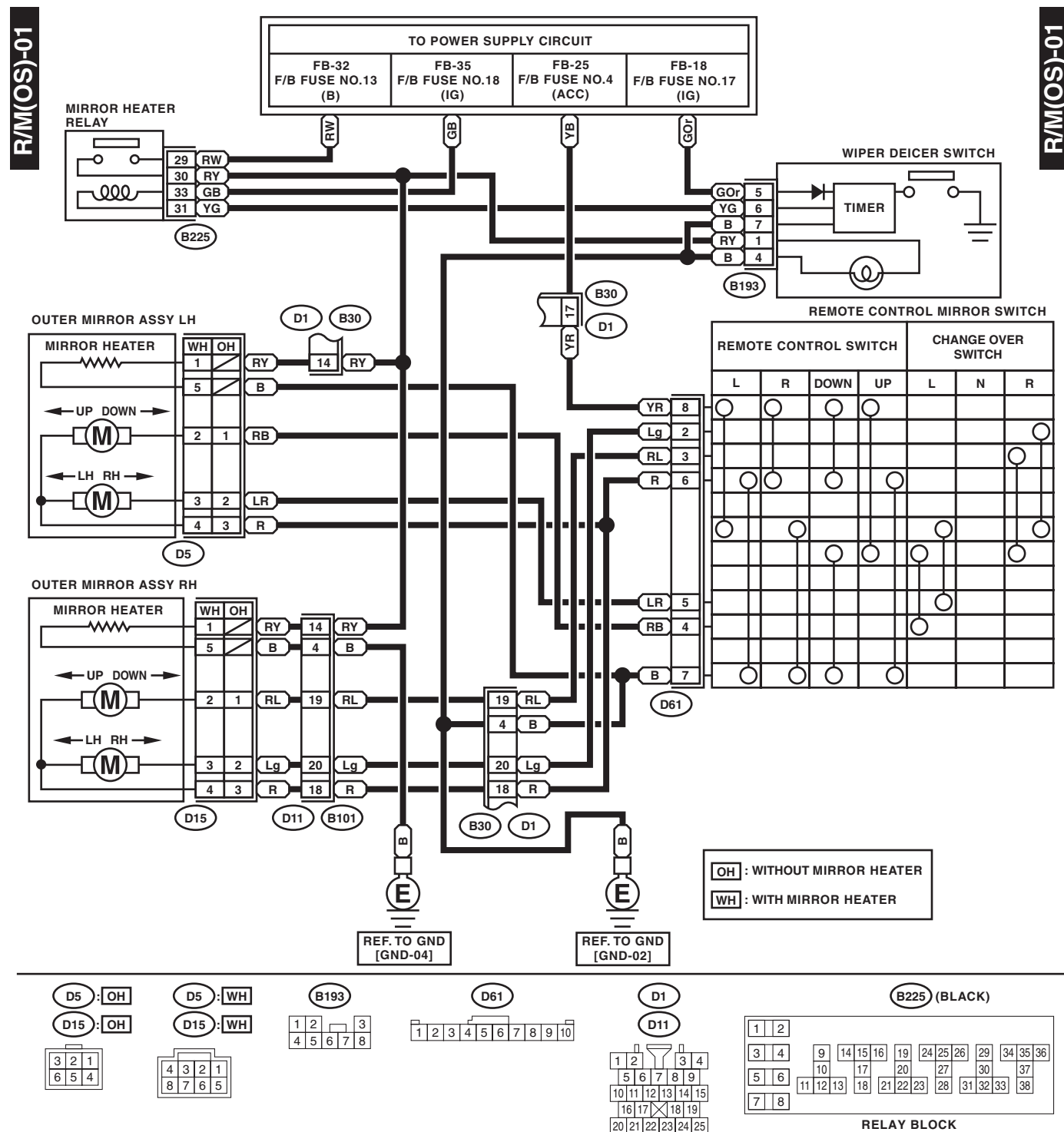
## 38.Rear Defogger System

### A: WIRING DIAGRAM



## A: WIRING DIAGRAM

## 1. WITHOUT OUTER MIRROR TURN SIGNAL LIGHT



## WIRING SYSTEM

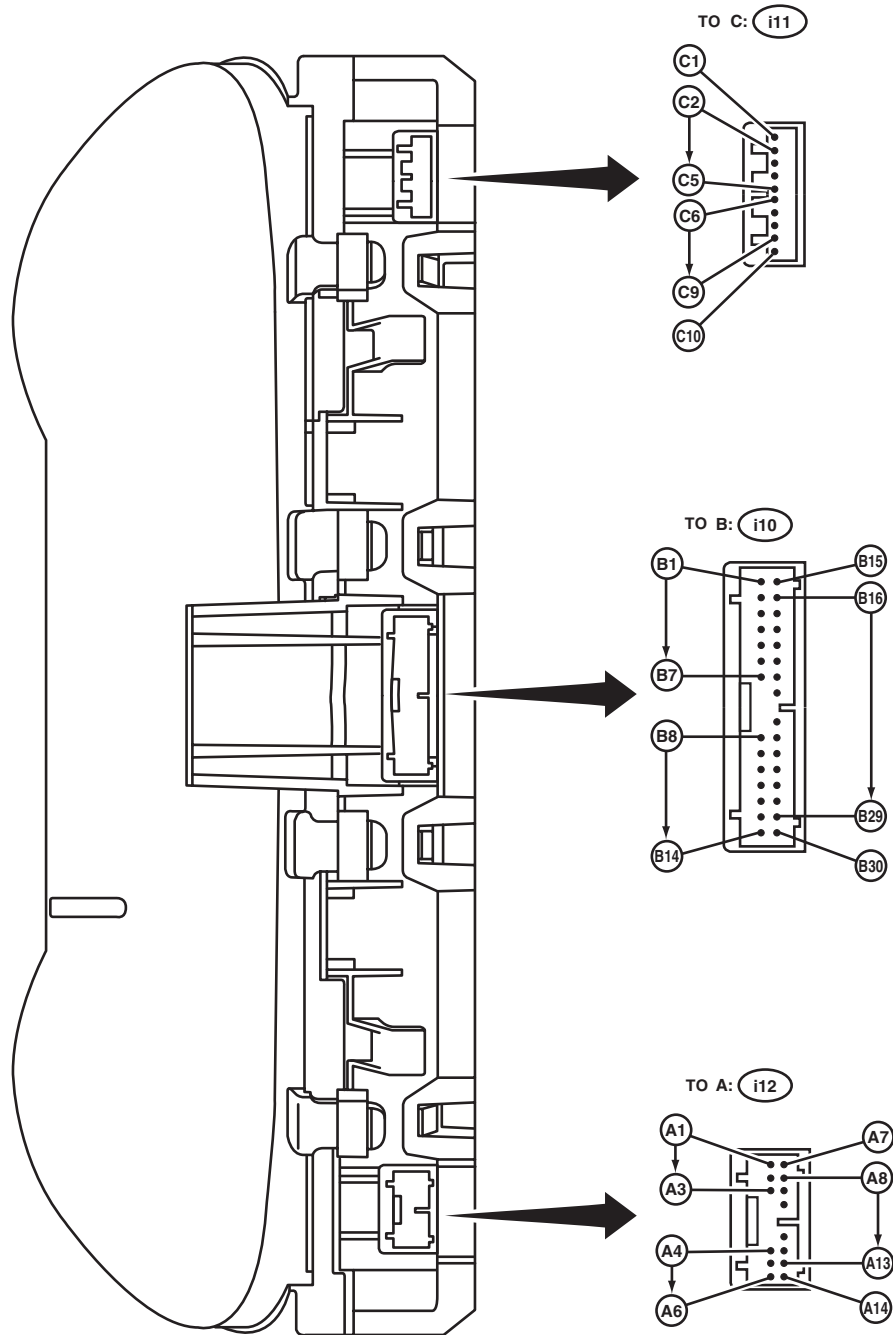
## R/M(WS)-01



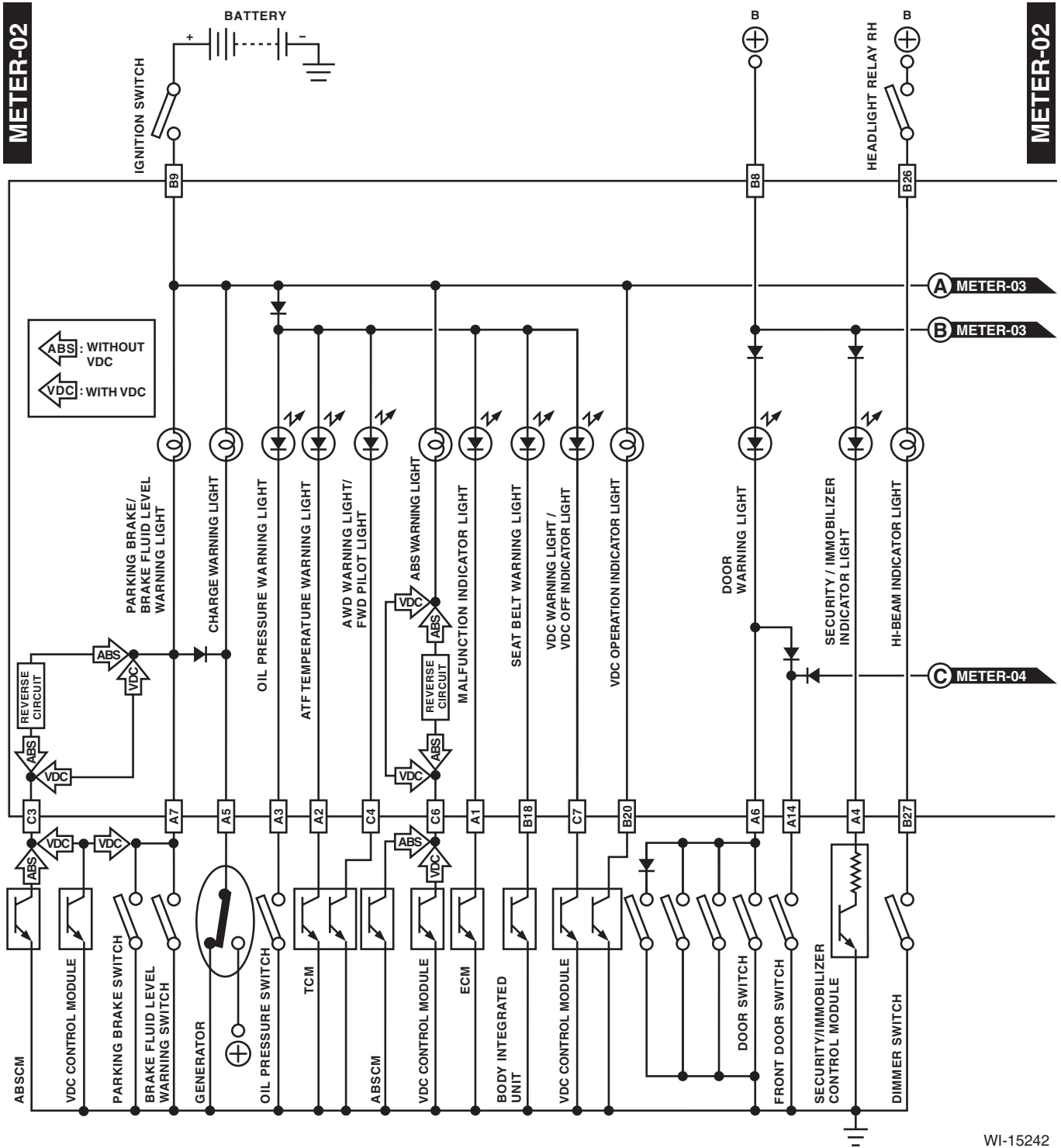
## 40. Combination Meter

### A: WIRING DIAGRAM

METER-01

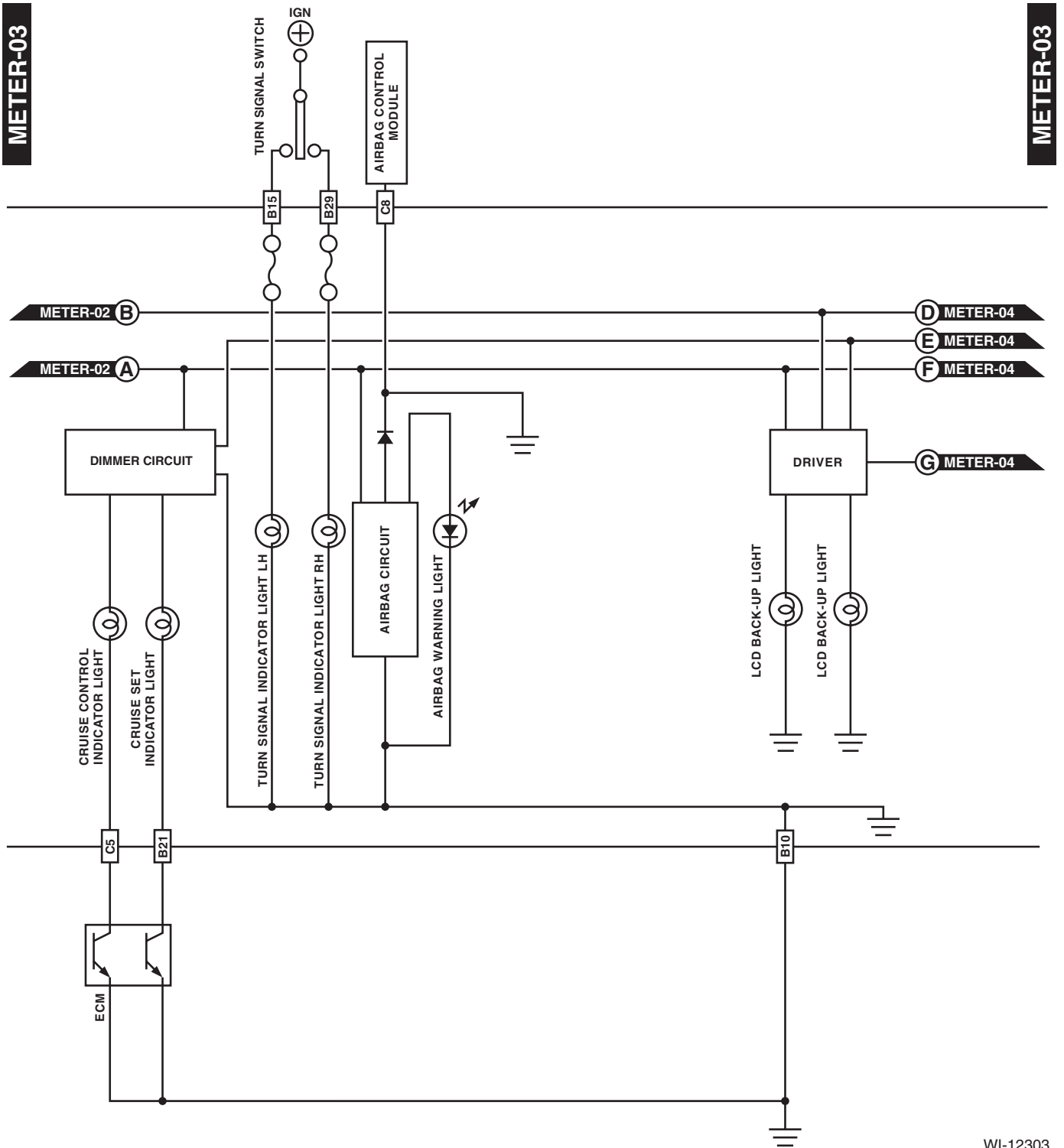


METER-01



# Combination Meter

## WIRING SYSTEM

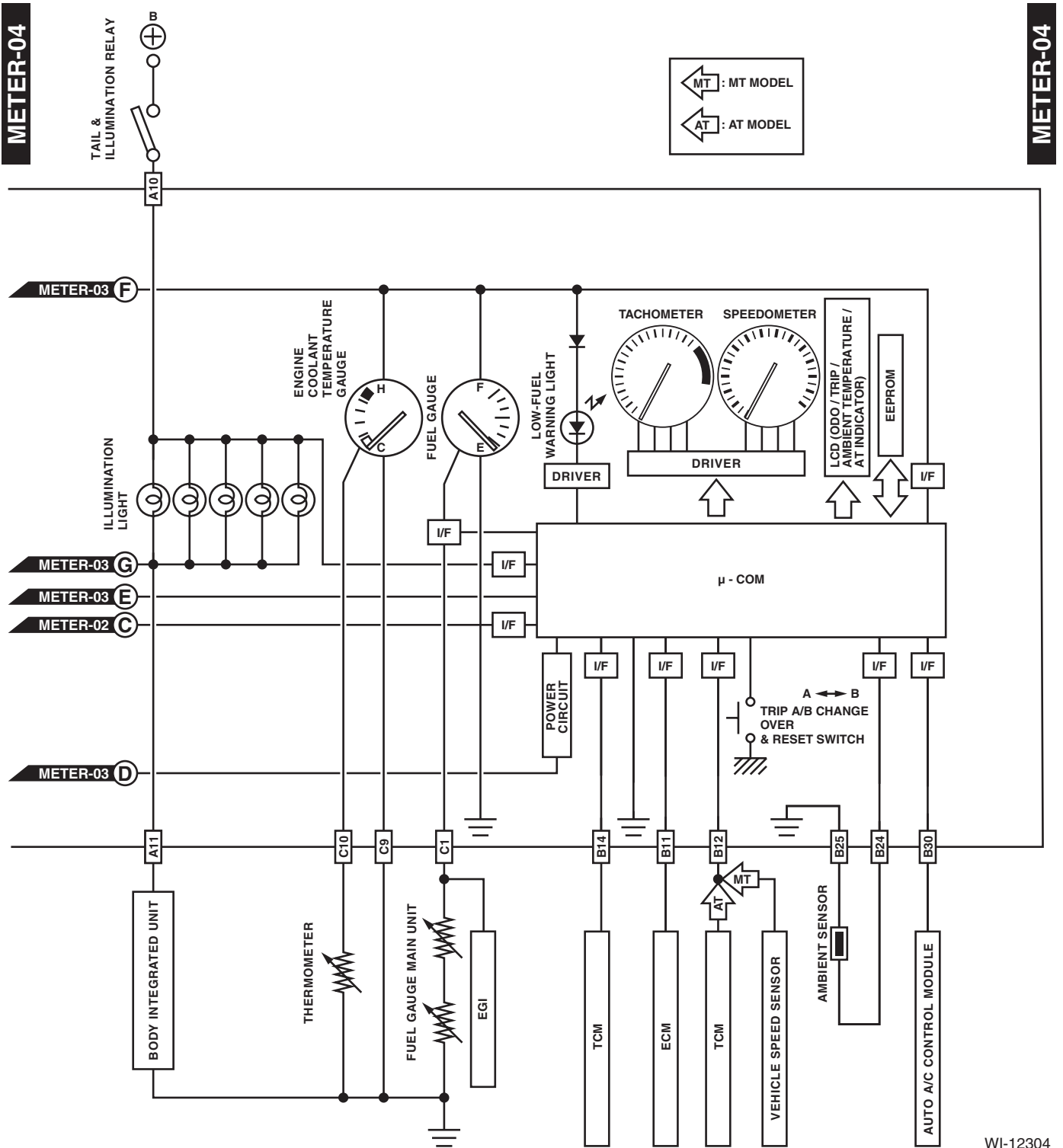


WI-12303



# Combination Meter

WIRING SYSTEM



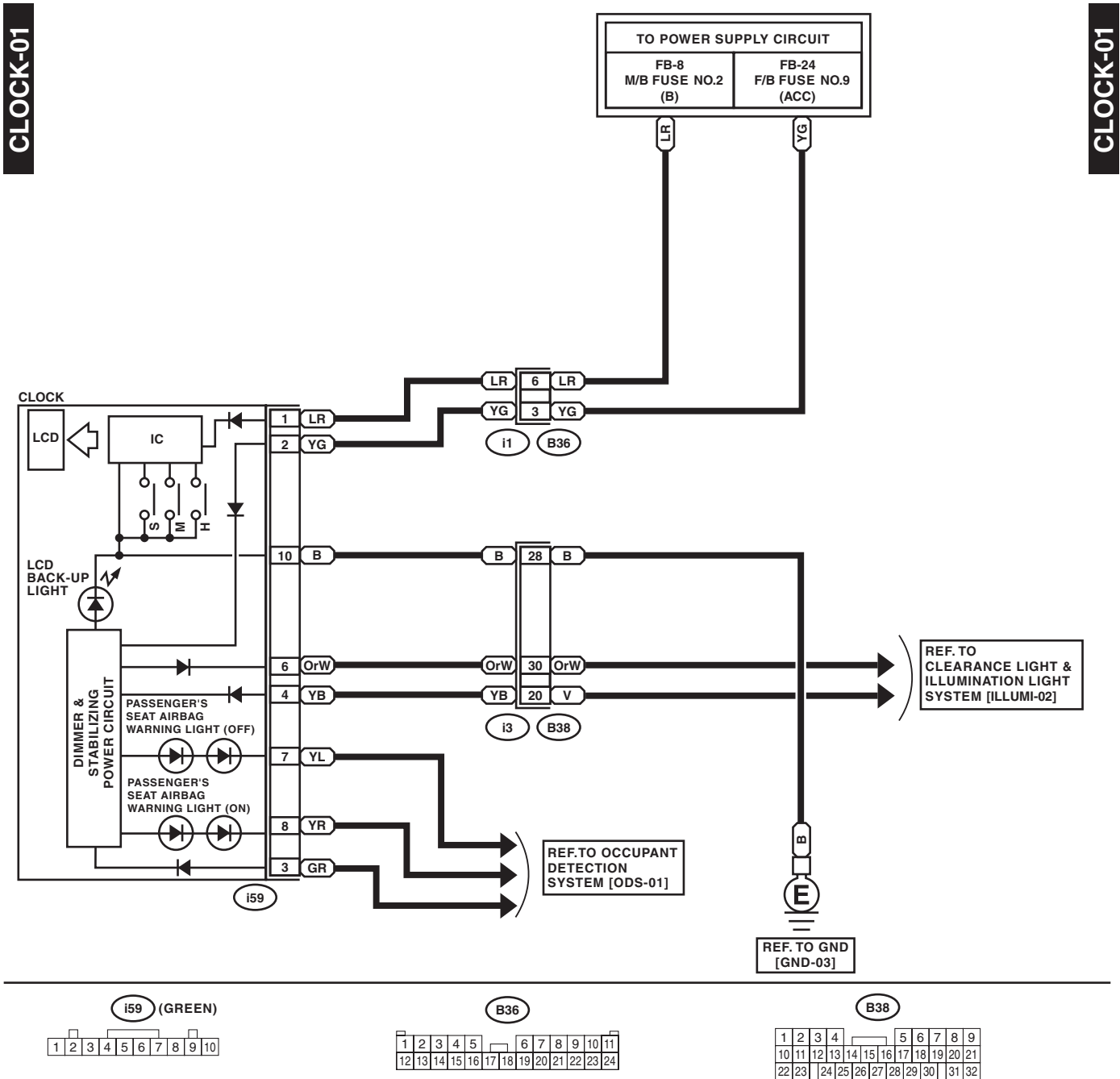
WI-12304

# Clock System

## WIRING SYSTEM

### 41.Clock System

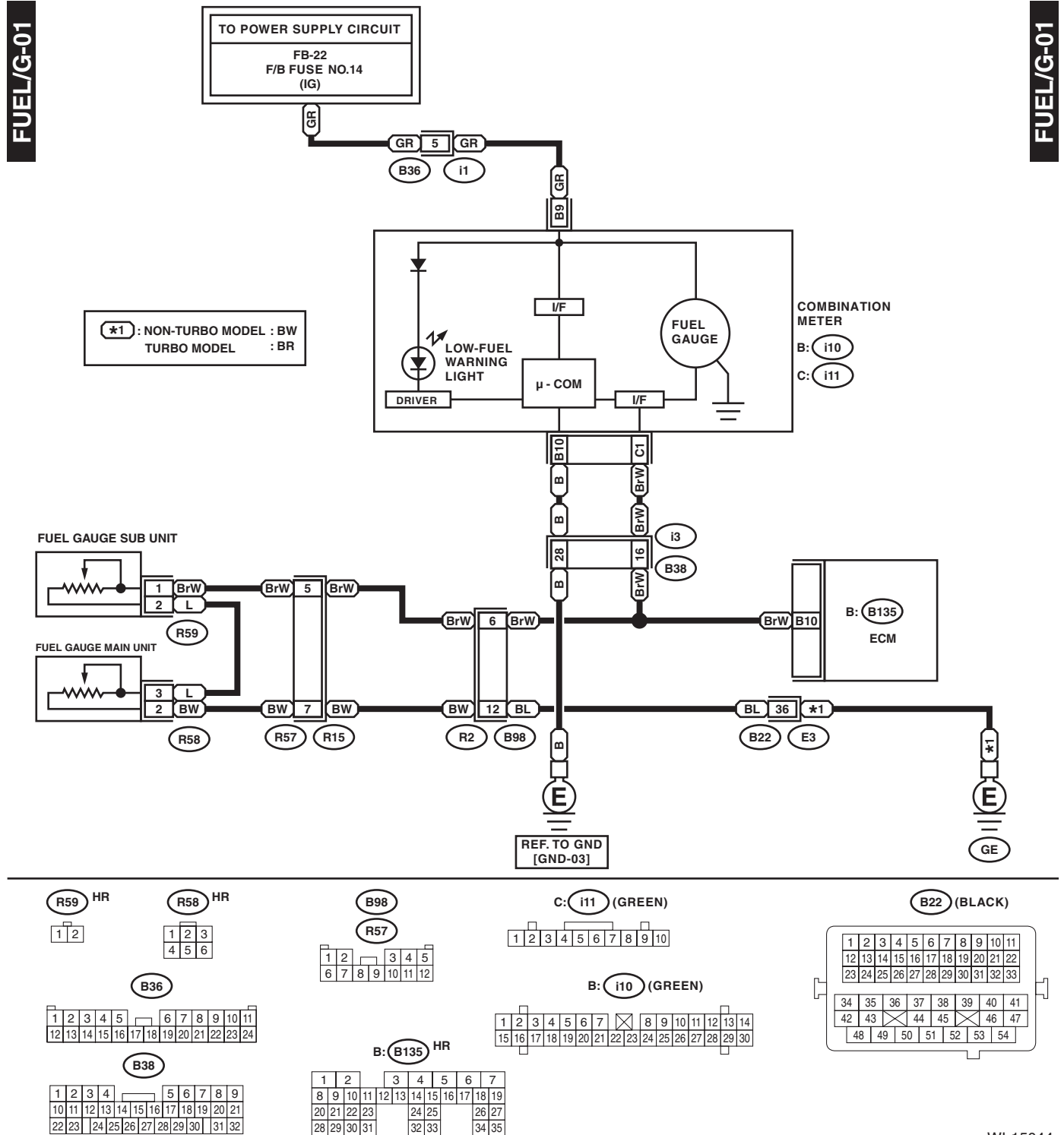
#### A: WIRING DIAGRAM



WI-12305

## 42. Fuel Gauge System

### A: WIRING DIAGRAM



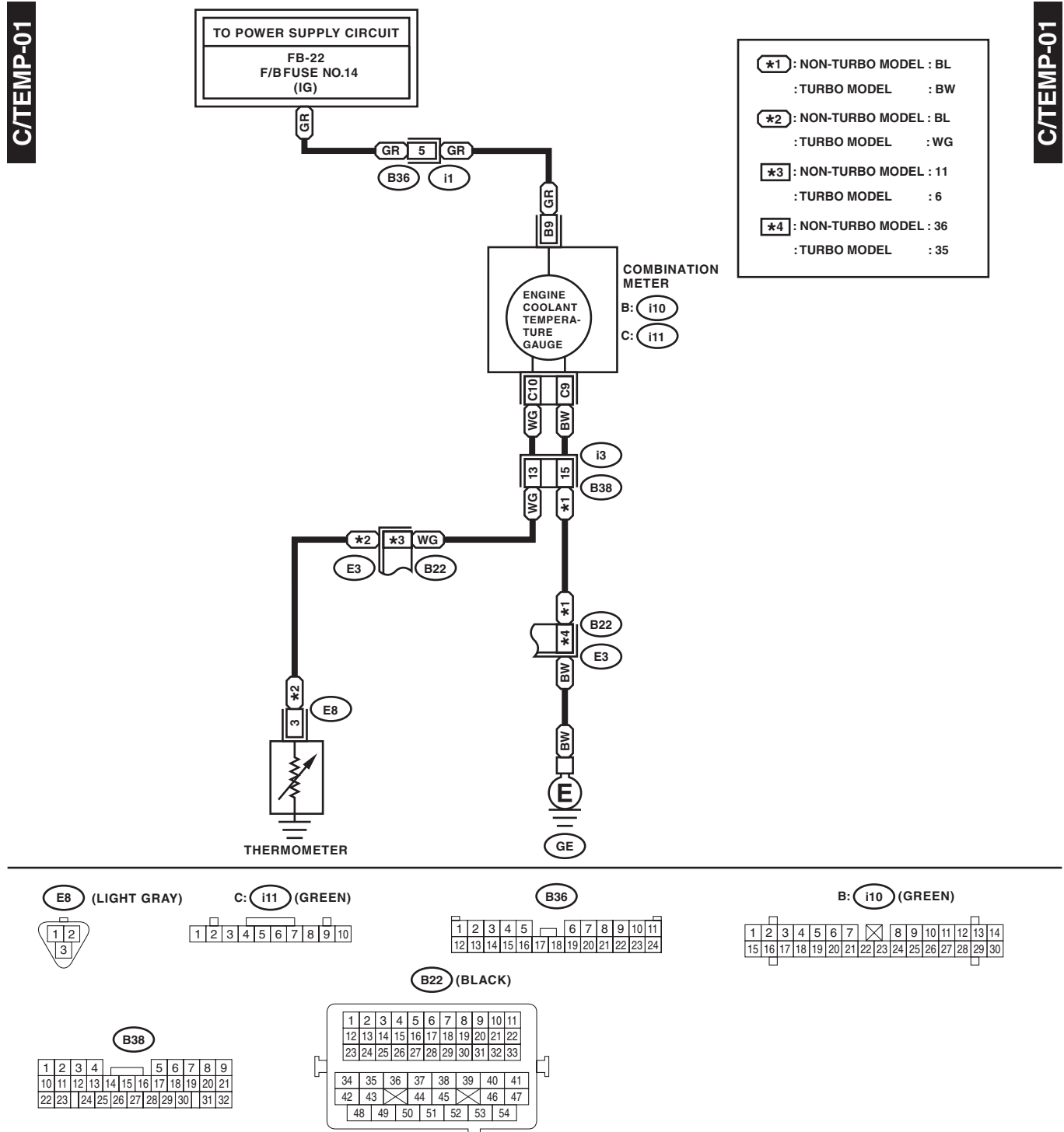
WI-15044

## WIRING SYSTEM

## 43.Coolant Temperature System

## A: WIRING DIAGRAM

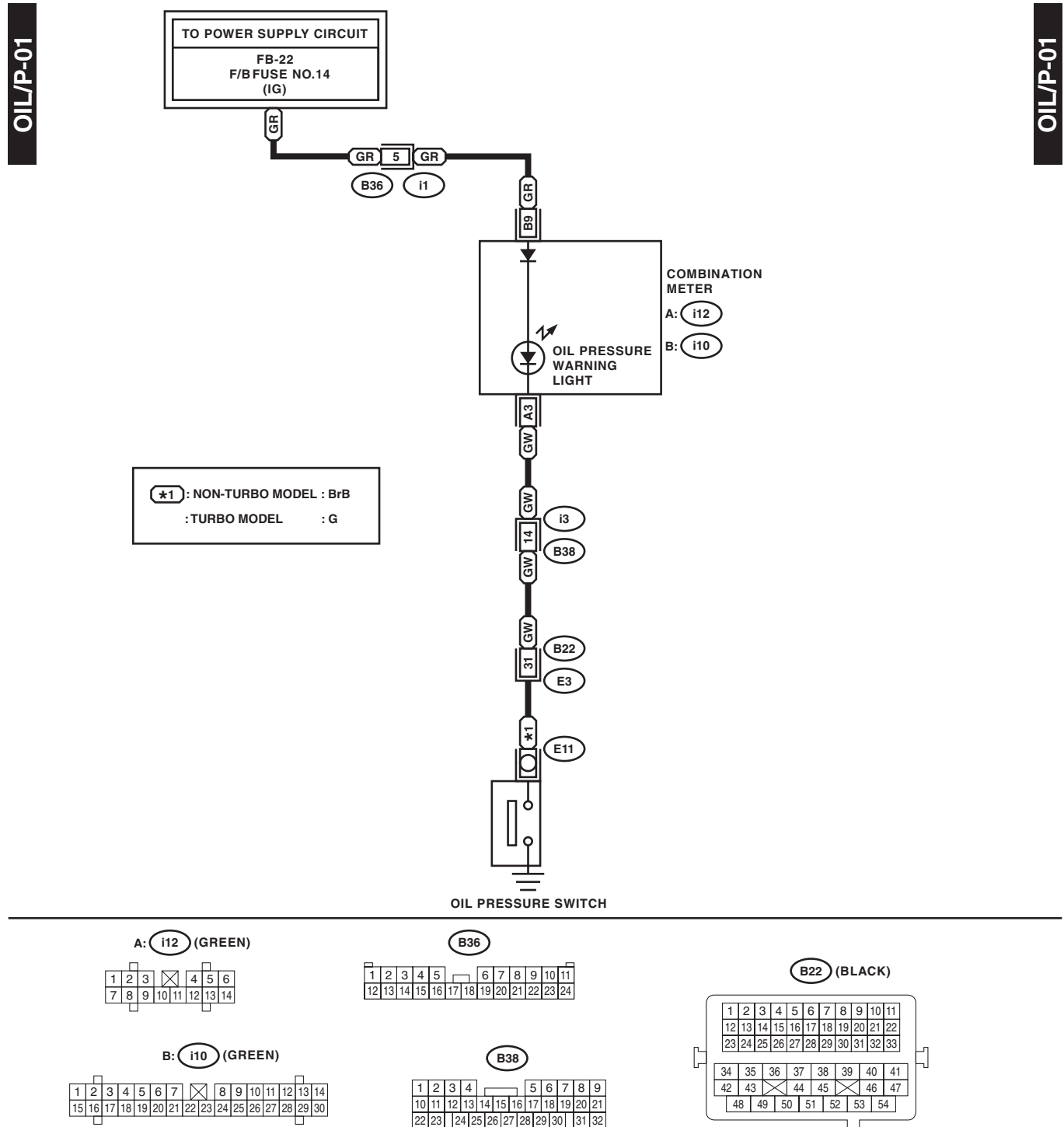
## A: WIRING DIAGRAM



WI-12307

## 44.Oil Pressure Warning Light System

### A: WIRING DIAGRAM

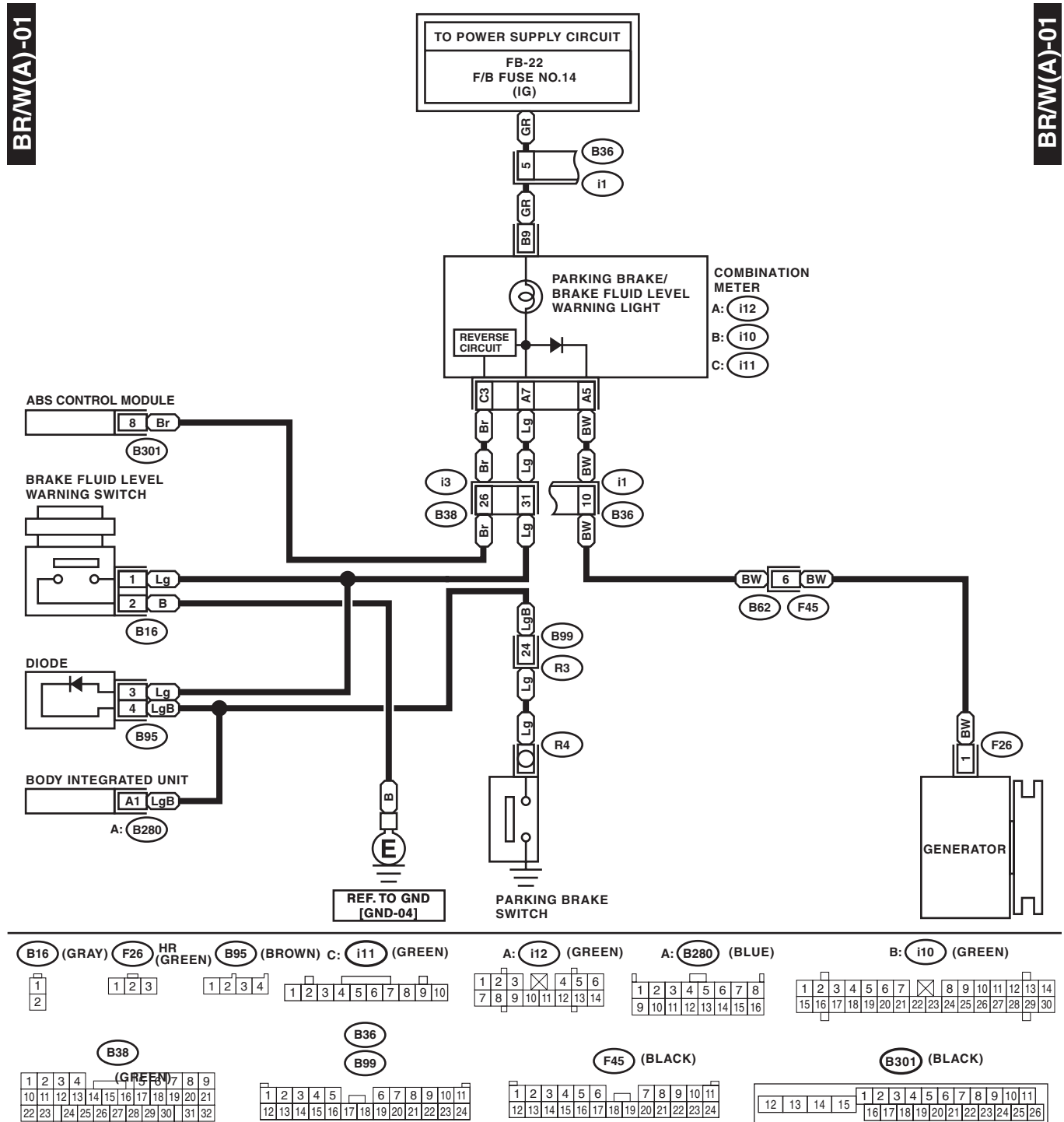


WI-12308

## 46. Parking Brake/Brake Fluid Level Warning Light System

### A: WIRING DIAGRAM

#### 1. WITHOUT VDC

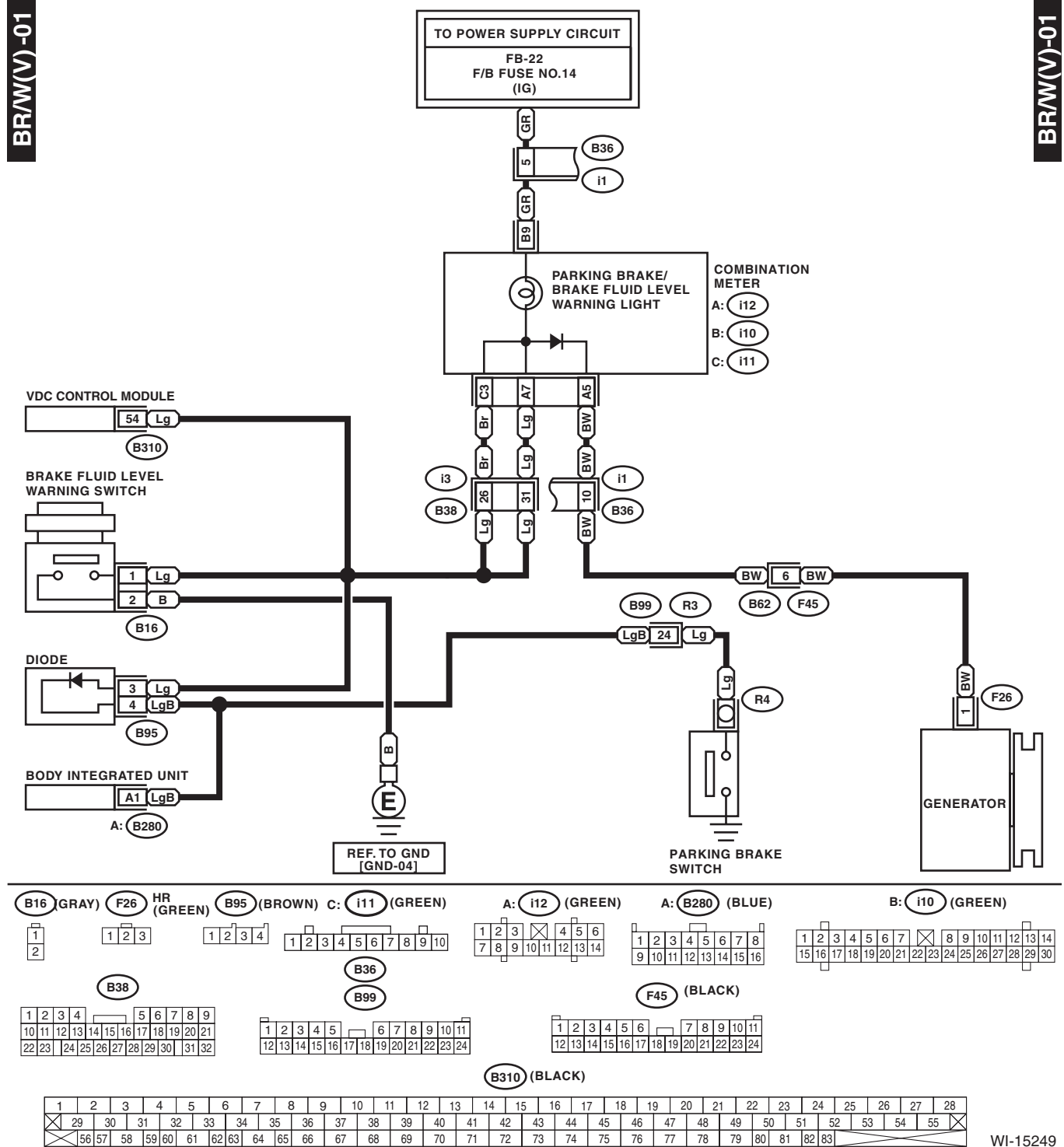


WI-15248

# Parking Brake/Brake Fluid Level Warning Light System

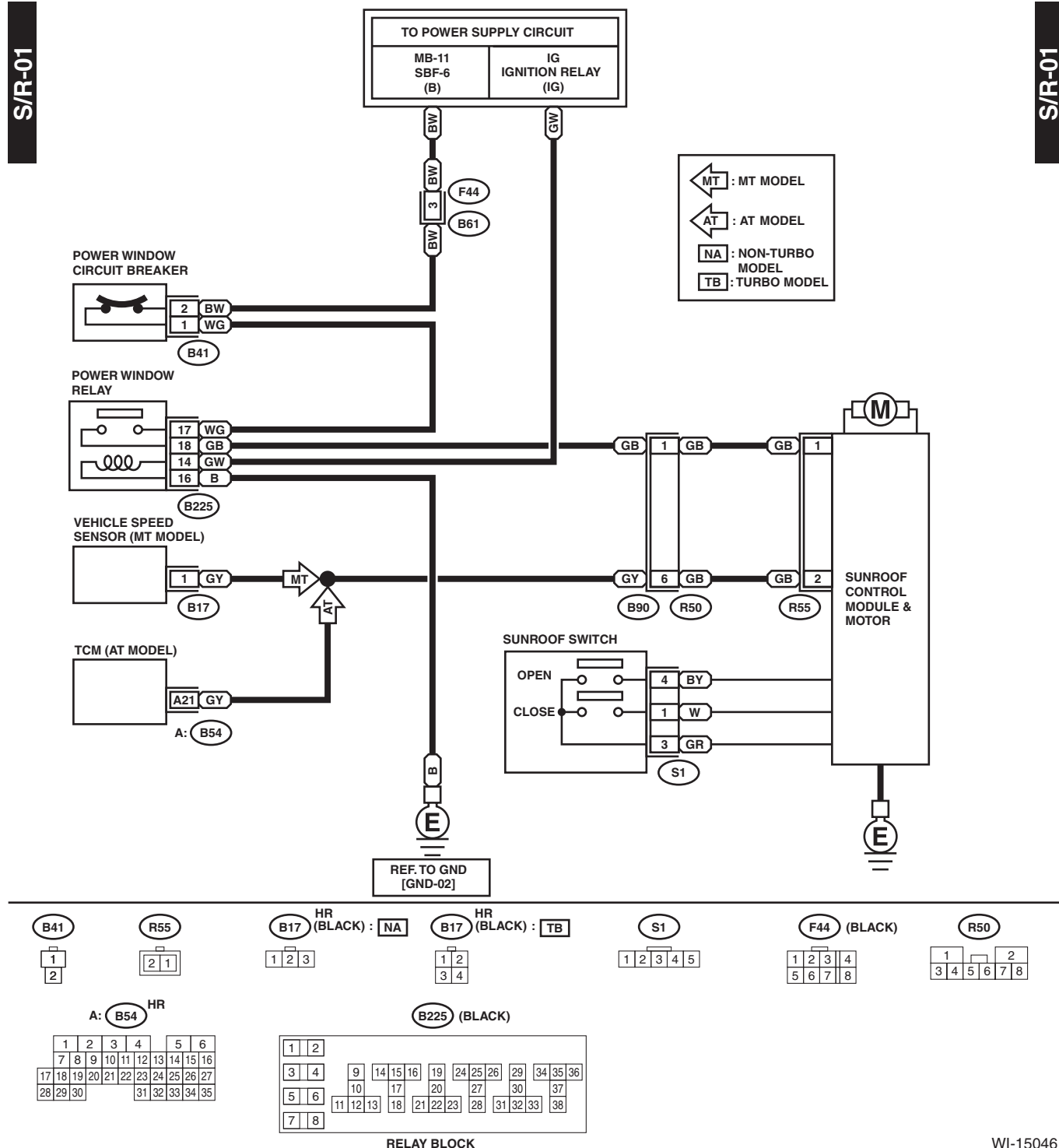
## WIRING SYSTEM

### 2. WITH VDC



## 47. Sunroof Control System

### A: WIRING DIAGRAM



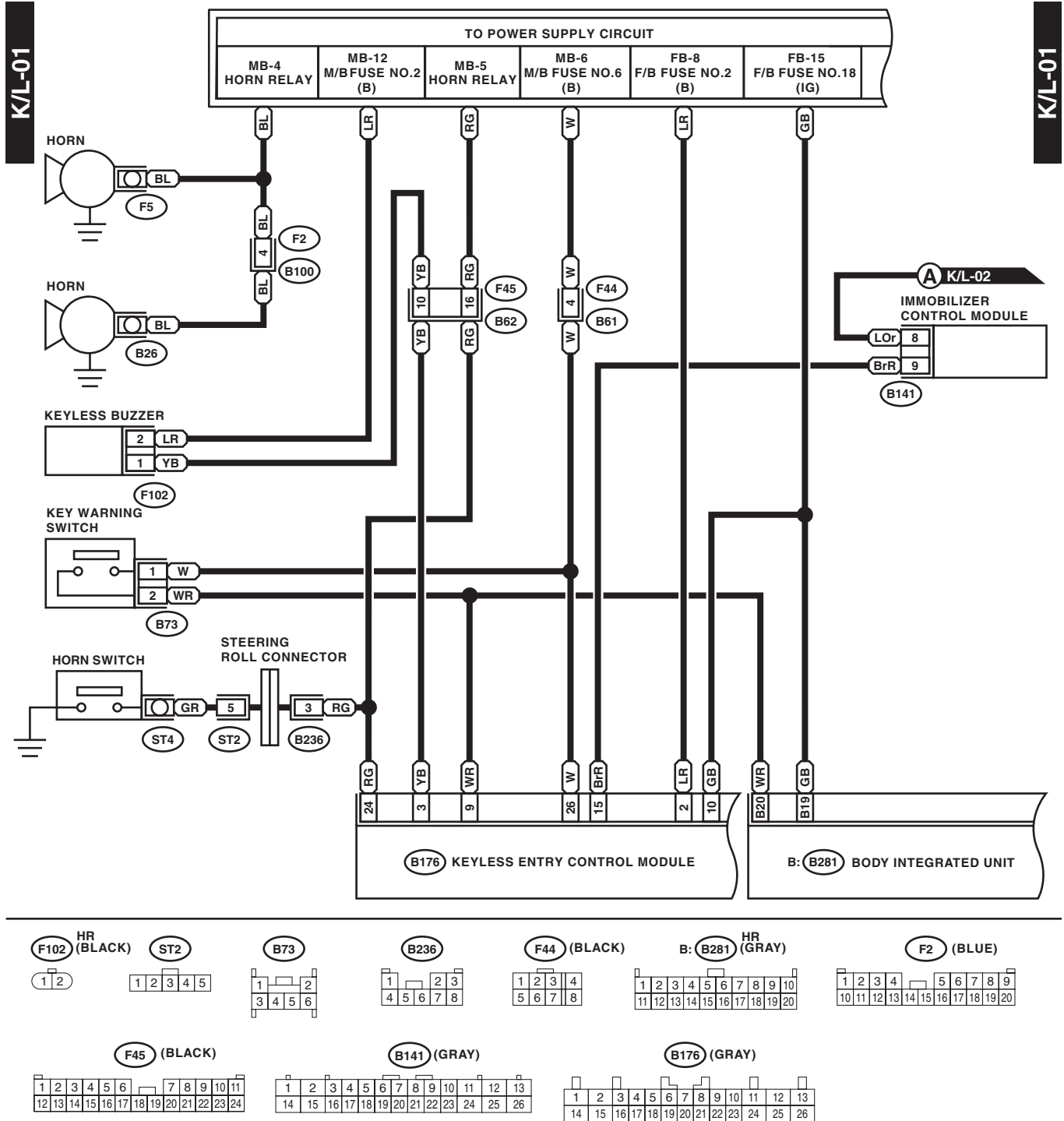


# Keyless Entry System

## WIRING SYSTEM

### 48.Keyless Entry System

#### A: WIRING DIAGRAM

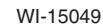


WI-15047

## WIRING SYSTEM



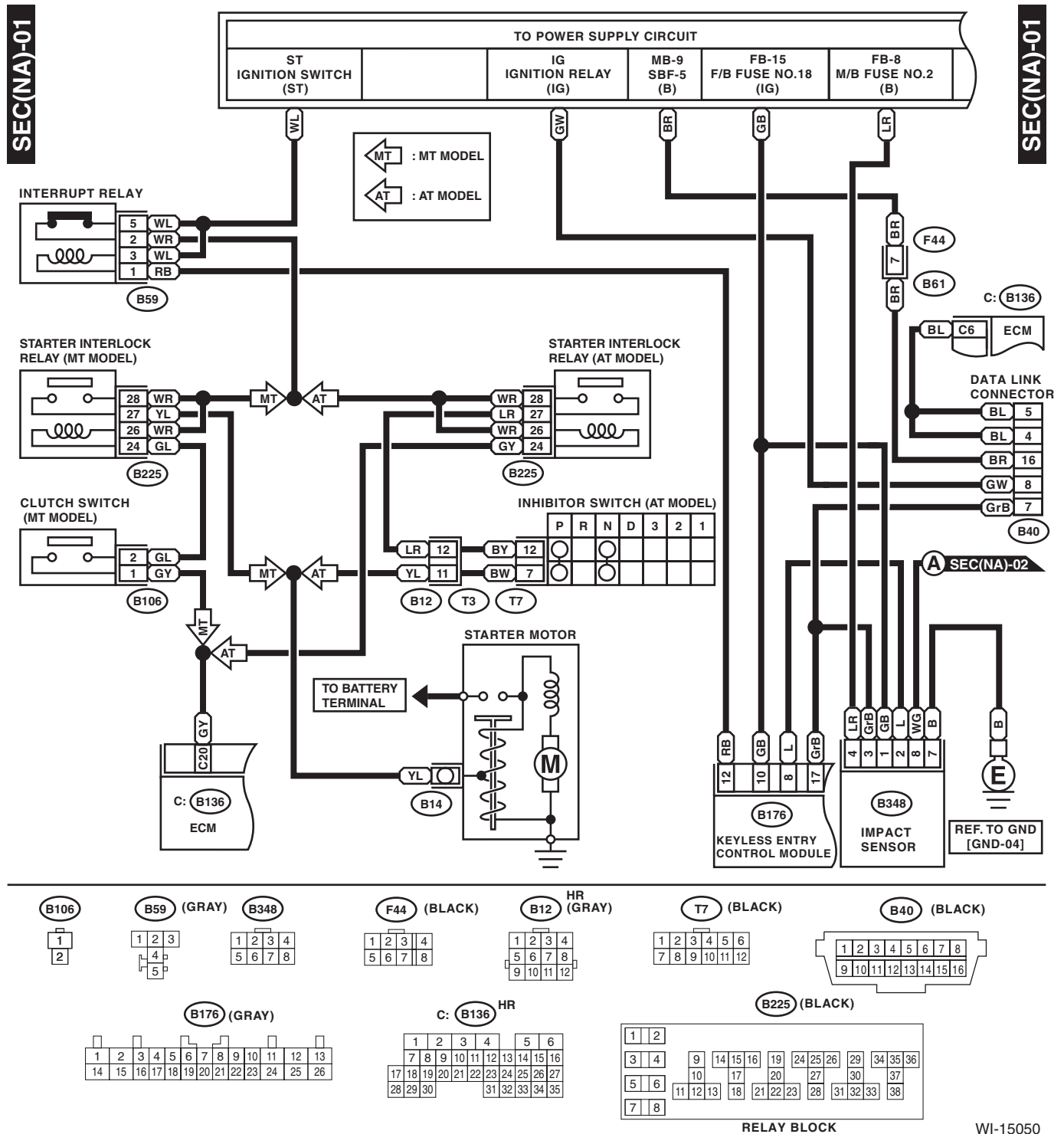
## WIRING SYSTEM



## 49.Security System

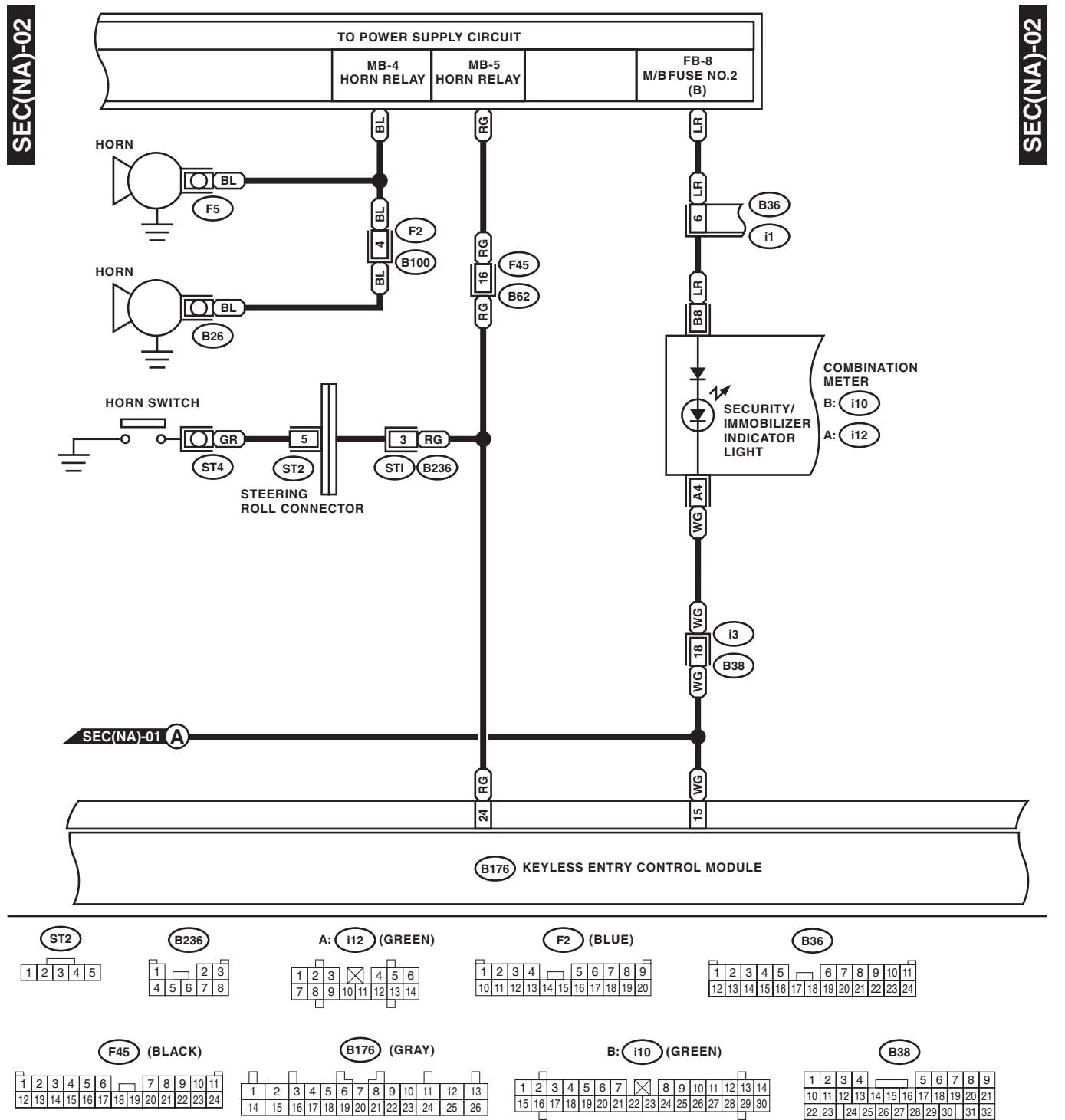
### A: WIRING DIAGRAM

#### 1. NON-TURBO MODEL

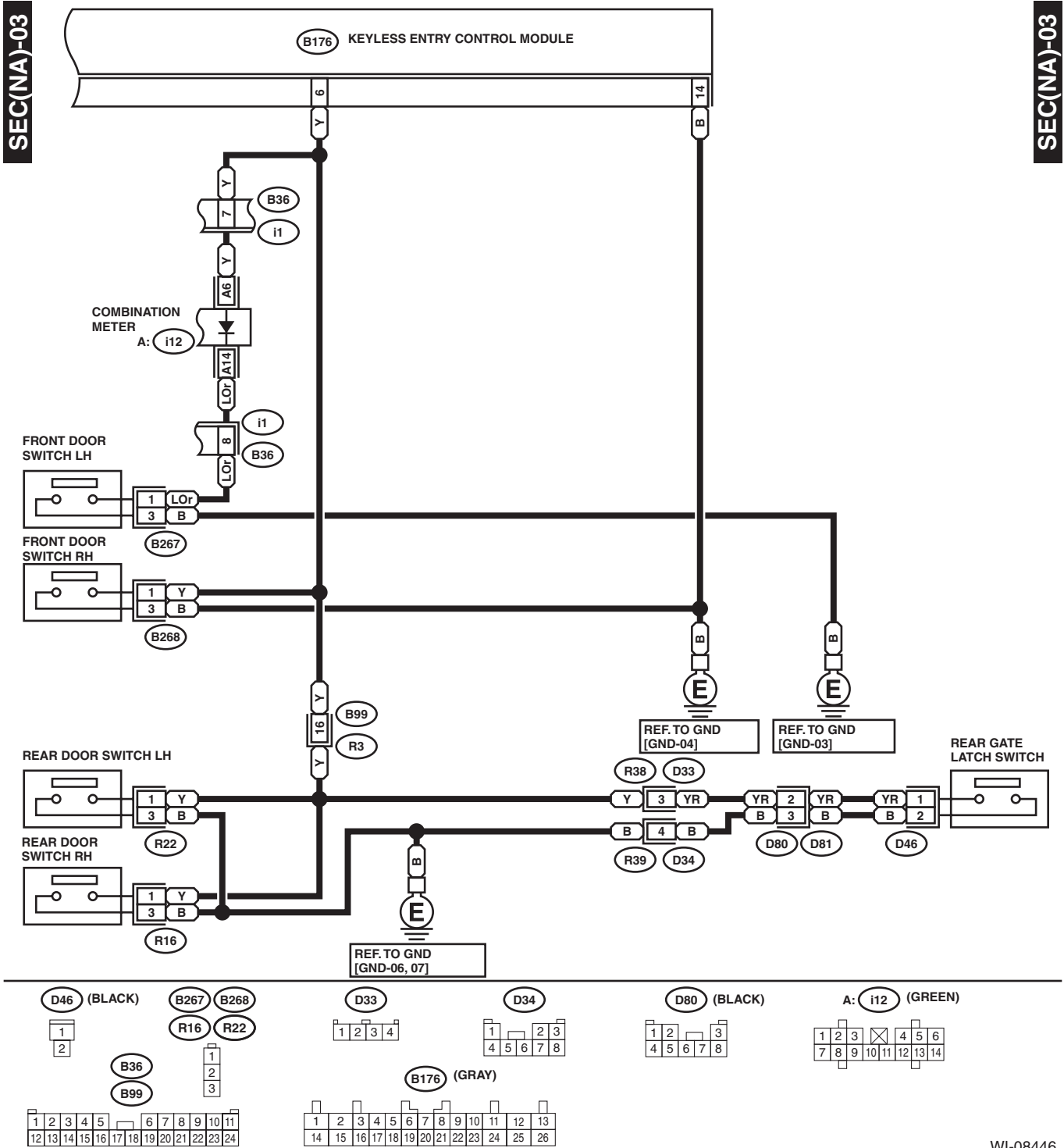


# Security System

## WIRING SYSTEM



WI-12264

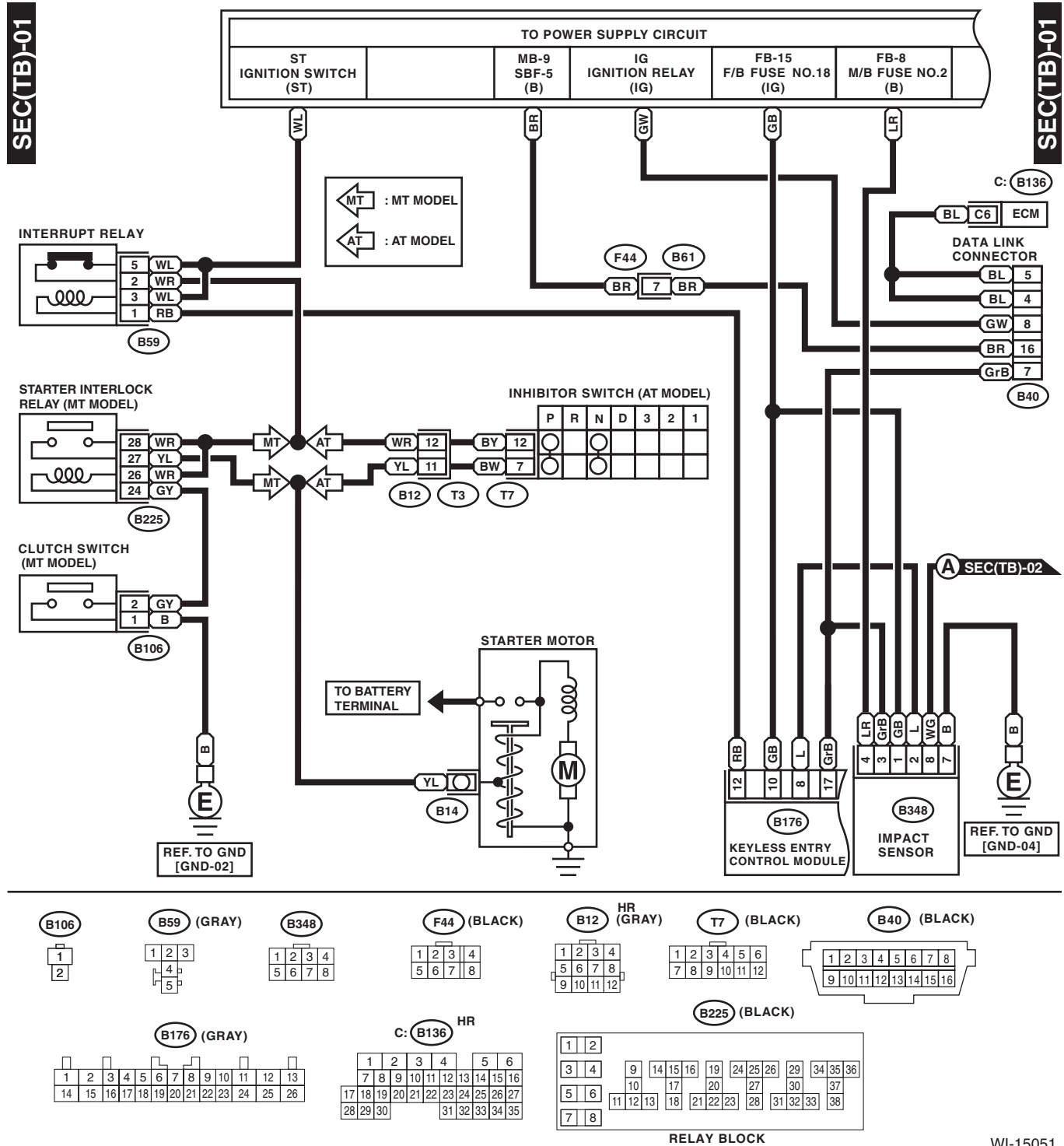


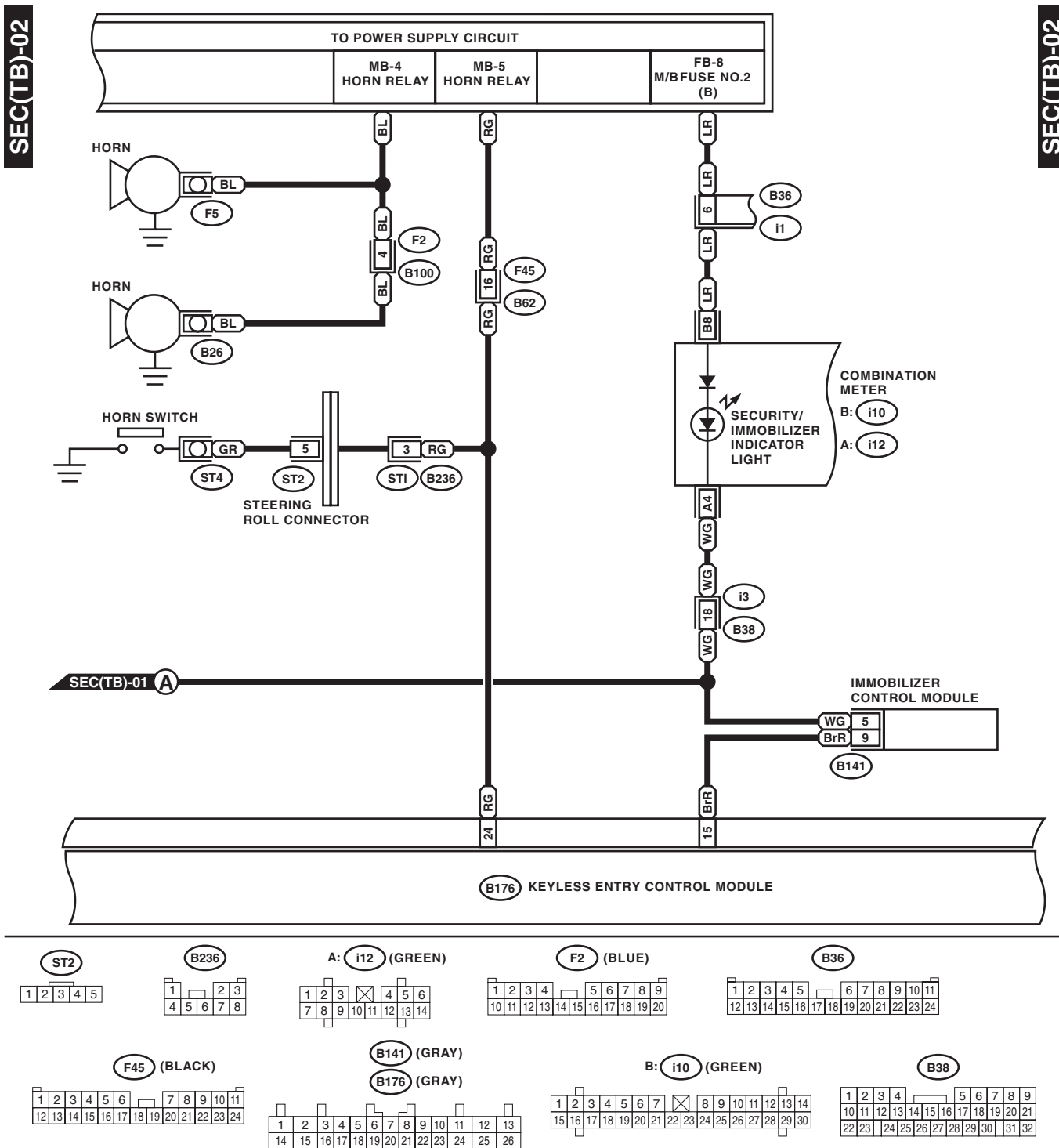
WI-08446

# Security System

## WIRING SYSTEM

### 2. TURBO MODEL



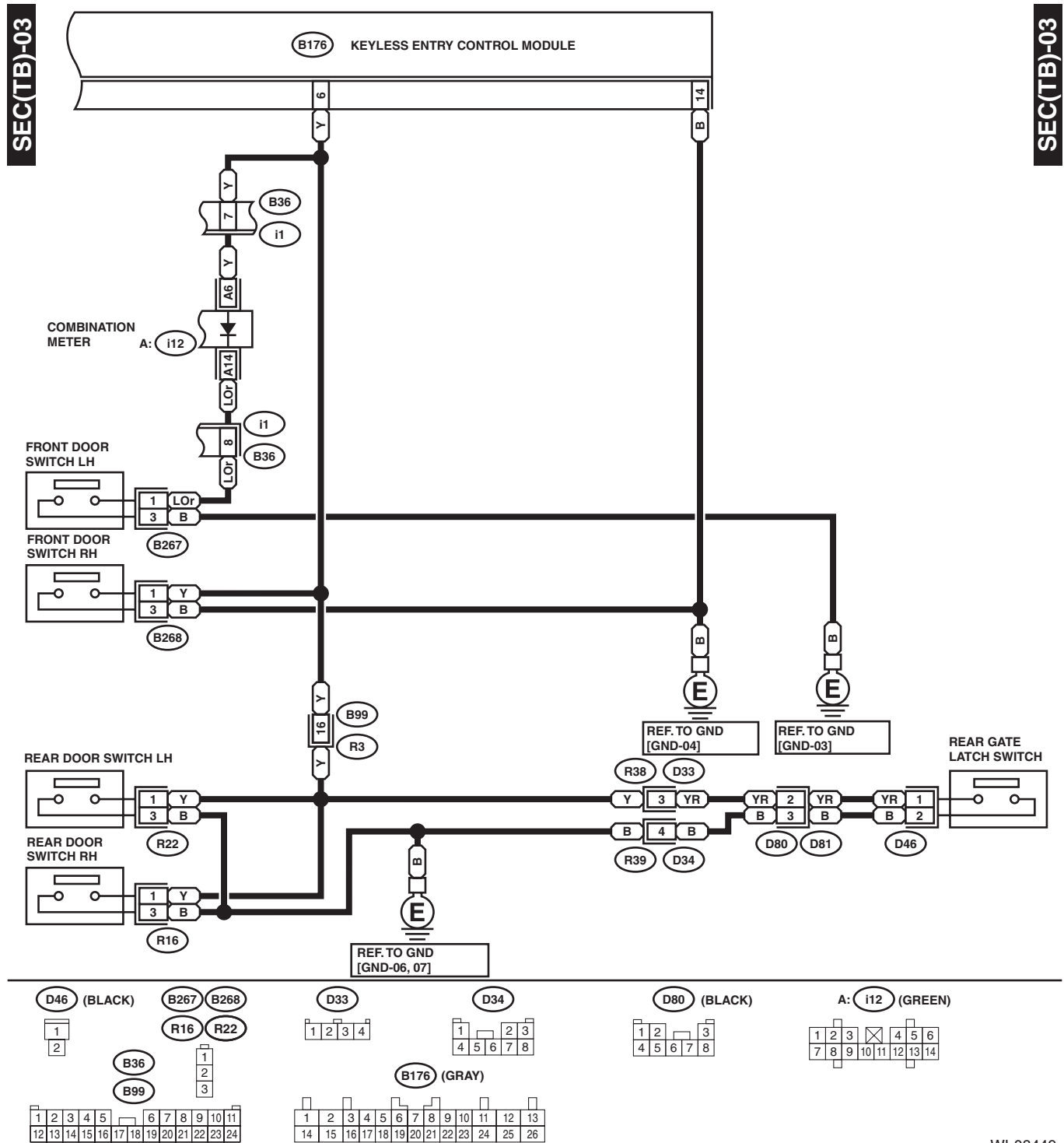


WI-12266



# Security System

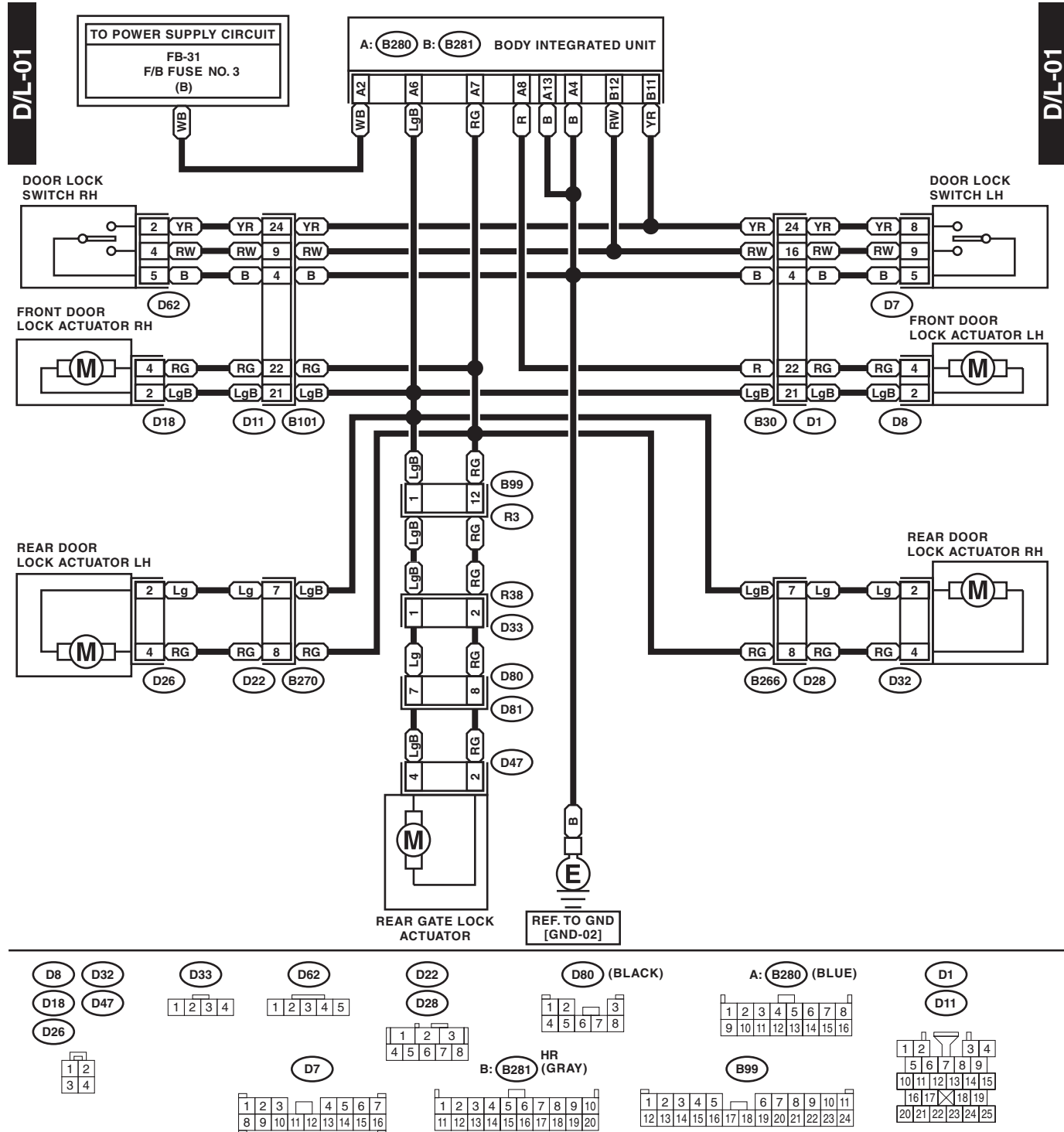
## WIRING SYSTEM



WI-08449

## 50. Door Lock System

### A: WIRING DIAGRAM



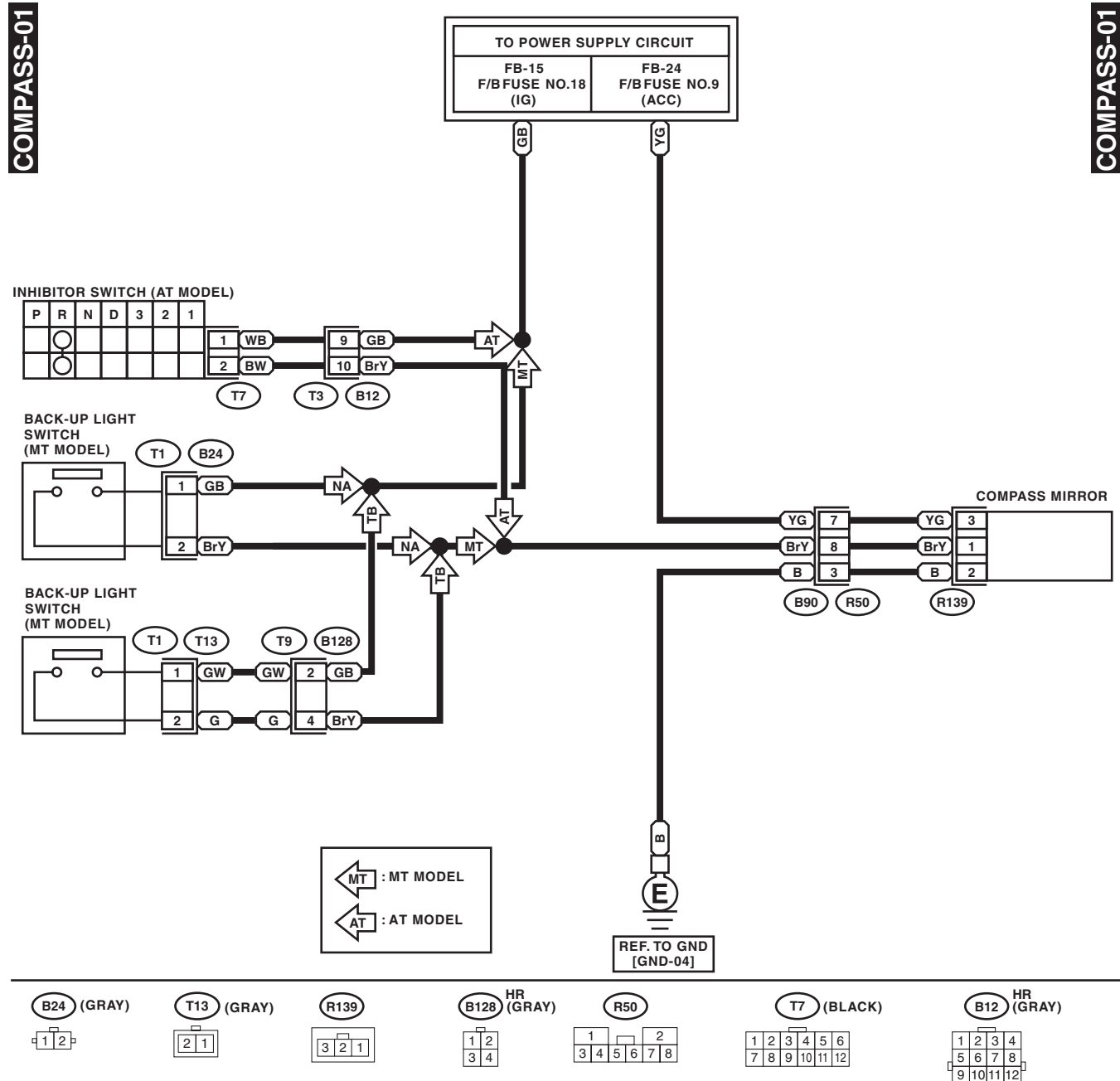
WI-15052

# Compass Mirror System

## WIRING SYSTEM

### 51.Compass Mirror System

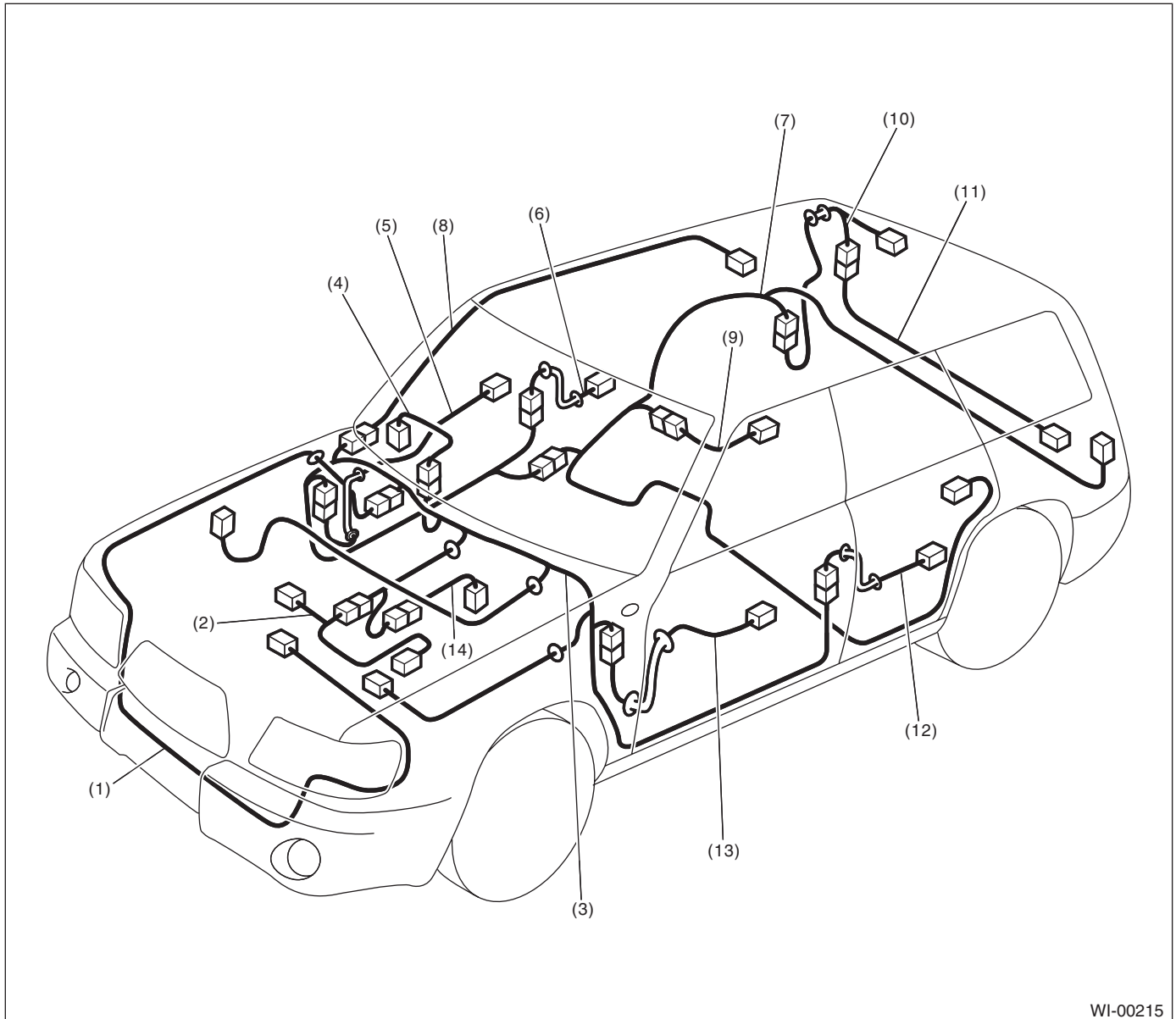
#### A: WIRING DIAGRAM



WI-15053

## 52.Harness Components Location

### A: LOCATION



WI-00215

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

# Front Wiring Harness

## WIRING SYSTEM

### 53.Front Wiring Harness

#### A: LOCATION

##### • Front wiring harness

| Connector |      |       |      | Connecting to |                                       |
|-----------|------|-------|------|---------------|---------------------------------------|
| No.       | Pole | Color | Area | No.           | Description                           |
| F2        | 20   | Blue  | B-4  | B100          | Bulkhead wiring harness               |
| F5        | 1    | Black | C-3  |               | Horn                                  |
| F7        | 6    | Gray  | B-1  |               | Headlight RH                          |
| F9        | 13   | Black | B-3  |               | Secondary air relay holder            |
| F11       | 2    | Gray  | B-2  |               | Secondary air pump                    |
| F16       | 2    | Gray  | C-1  |               | Sub fan motor                         |
| F17       | 2    | Gray  | C-2  |               | Main fan motor                        |
| F19       | 2    | Gray  | C-3  |               | Front turn signal light LH            |
| F21       | 2    | Brown | C-3  |               | Front fog light LH                    |
| F23       | 6    | Gray  | C-3  |               | Headlight LH                          |
| F24       | 1    | Gray  | B-2  |               | Compressor                            |
| F25       | 1    | ★     | B-2  |               | Generator terminal B                  |
| F26       | 3    | Green | B-2  |               | Generator                             |
| F27       | 36   | Black | B-3  |               | A/C relay holder                      |
| F32       | 2    | Gray  | C-4  |               | Front washer motor                    |
| F33       | 2    | Gray  | C-3  |               | Rear washer motor                     |
| F34       | 4    | Black | B-3  |               | SBF holder                            |
| F35       | 2    | Black | B-3  |               | Main fuse box (M/B)                   |
| F36       | 3    | ★     | B-4  |               |                                       |
| F37       | 6    | ★     | B-4  |               |                                       |
| F38       | 1    | Brown | B-4  |               |                                       |
| F39       | 8    | ★     | B-3  |               |                                       |
| F40       | 9    | Brown | B-5  |               | Fuse & relay box (F/B)                |
| F41       | 7    | Gray  | B-5  |               |                                       |
| F44       | 8    | Black | B-4  | B61           | Bulkhead wiring harness               |
| F45       | 24   | Black | B-4  | B62           |                                       |
| F46       | 2    | Black | B-4  | B108          |                                       |
| F53       | 2    | Gray  | C-3  |               | Side marker light LH                  |
| F58       | 3    | Black | C-3  |               | Headlight beam leveler LH (HID model) |
| F59       | 3    | Black | B-1  |               | Headlight beam leveler RH (HID model) |
| F68       | 4    | ★     | B-4  |               | Main fuse box (M/B)                   |
| F78       | 2    | Black | C-1  |               | Ambient sensor                        |
| F94       | 2    | Gray  | B-2  |               | Front ABS wheel speed sensor LH       |
| F102      | 2    | Black | C-1  |               | Keyless buzzer                        |

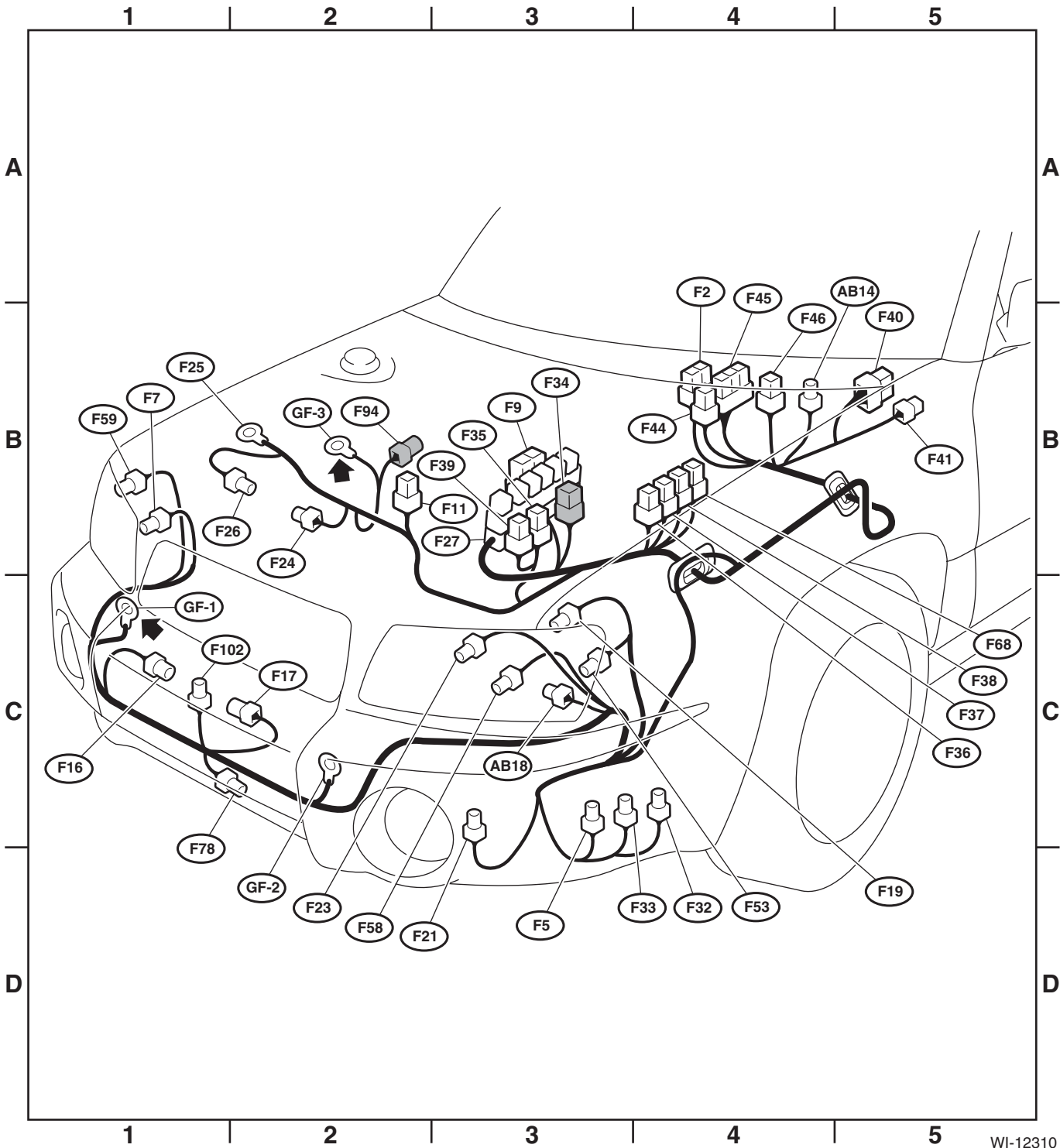
★ : White or natural color

# Front Wiring Harness

WIRING SYSTEM

• Airbag wiring harness

| Connector |      |        |      | Connecting to |                       |
|-----------|------|--------|------|---------------|-----------------------|
| No.       | Pole | Color  | Area | No.           | Description           |
| AB14      | 2    | Yellow | B-4  | AB13          | Airbag wiring harness |
| AB18      | 2    | Yellow | C-3  |               | Front sub sensor LH   |



WI-12310

# Bulkhead Wiring Harness (In Engine Compartment)

## WIRING SYSTEM

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

#### A: LOCATION

#### 1. NON-TURBO MODEL

#### Bulkhead wiring harness

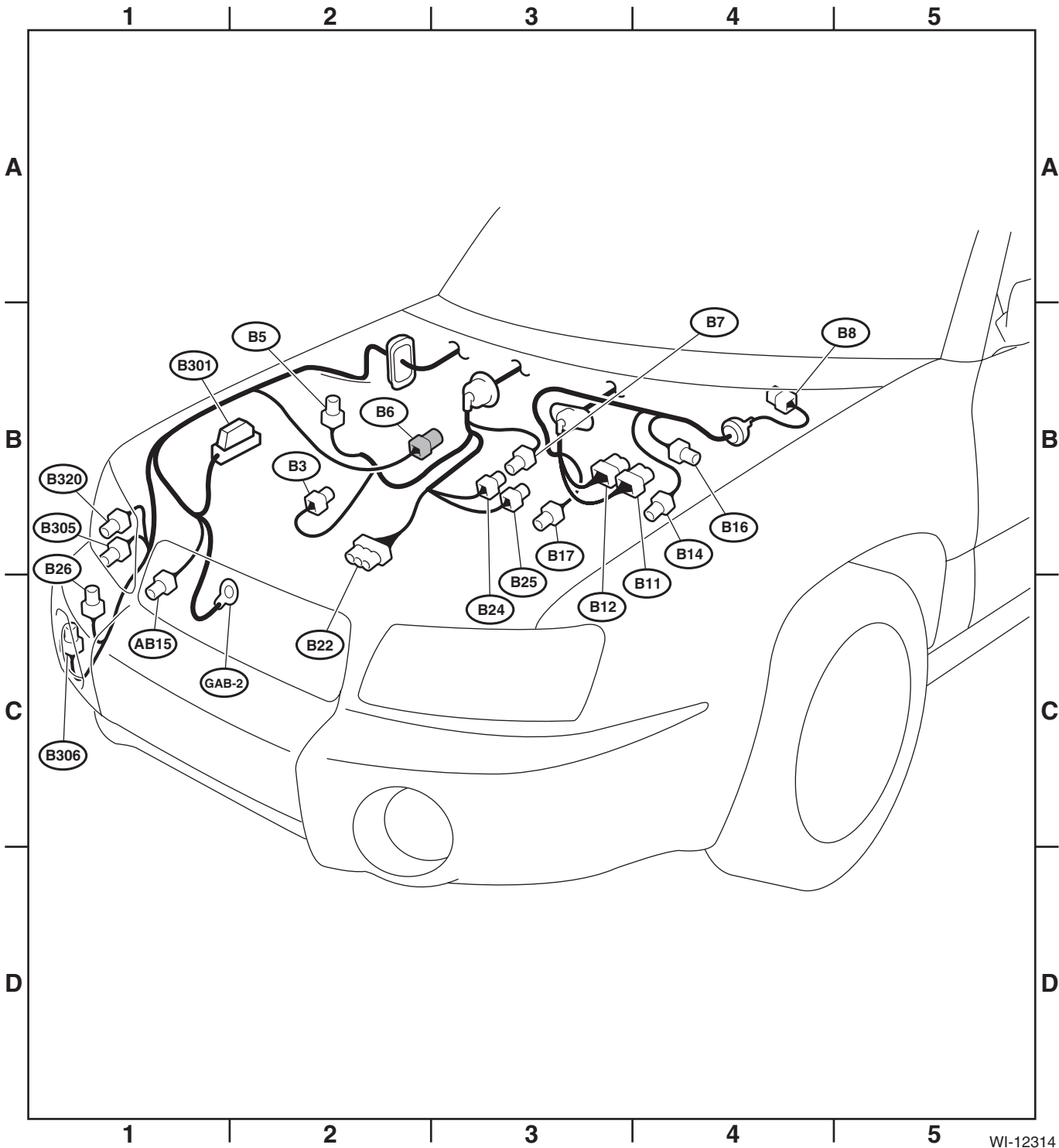
| Connector                  |      |       |      | Connecting to |                                  |
|----------------------------|------|-------|------|---------------|----------------------------------|
| No.                        | Pole | Color | Area | No.           | Description                      |
| B3                         | 5    | Black | B-2  |               | Air flow sensor                  |
| B5                         | 2    | Gray  | B-2  |               | Daytime running light register   |
| B6                         | 2    | Gray  | B-2  |               | Front ABS wheel speed sensor RH  |
| B7                         | 4    | ★     | B-3  |               | A/C pressure switch              |
| B8                         | 5    | Gray  | B-4  |               | Front wiper motor                |
| B11                        | 20   | Gray  | B-4  | T4            | Transmission code (AT model)     |
| B12                        | 12   | Gray  | B-3  | T3            |                                  |
| B14                        | 1    | Black | B-4  |               | Starter motor (Magnet)           |
| B16                        | 2    | Gray  | B-4  |               | Brake fluid level warning switch |
| B17                        | 3    | Black | B-3  |               | Vehicle speed sensor (MT model)  |
| B22                        | 54   | Black | B-2  | E3            | Engine wiring harness            |
| B24                        | 2    | Gray  | B-3  | T1            | Back-up light switch (MT model)  |
| B25                        | 2    | Brown | B-3  | T2            | Neutral switch (MT model)        |
| B26                        | 1    | Black | C-1  |               | Horn                             |
| B301                       | 26   | Black | B-2  |               | ABS control module               |
| B305                       | 2    | Gray  | B-1  |               | Front turn signal light RH       |
| B306                       | 2    | Brown | C-1  |               | Front fog light RH               |
| B320                       | 2    | Gray  | B-1  |               | Side marker light RH             |
| ★ : White or natural color |      |       |      |               |                                  |

Bulkhead Wiring Harness (In Engine Compartment)

WIRING SYSTEM

Airbag wiring harness

| Connector |      |        |      | Connecting to |                     |
|-----------|------|--------|------|---------------|---------------------|
| No.       | Pole | Color  | Area | No.           | Description         |
| AB15      | 2    | Yellow | C-1  |               | Front sub sensor RH |





# Bulkhead Wiring Harness (In Engine Compartment)

## WIRING SYSTEM

### 2. TURBO MODEL

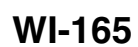
#### Bulkhead wiring harness

| Connector |      |       |      | Connecting to |                                  |
|-----------|------|-------|------|---------------|----------------------------------|
| No.       | Pole | Color | Area | No.           | Description                      |
| B3        | 5    | Black | B-2  |               | Air flow sensor                  |
| B5        | 2    | Gray  | B-2  |               | Daytime running light register   |
| B6        | 2    | Gray  | B-2  |               | Front ABS wheel speed sensor RH  |
| B7        | 4    | ★     | B-3  |               | A/C pressure switch              |
| B8        | 5    | Gray  | B-4  |               | Front wiper motor                |
| B11       | 20   | Gray  | B-4  | T4            | Transmission code (AT model)     |
| B12       | 12   | Gray  | B-3  | T3            |                                  |
| B14       | 1    | Black | B-4  |               | Starter motor (Magnet)           |
| B16       | 2    | Gray  | B-4  |               | Brake fluid level warning switch |
| B17       | 4    | Black | B-3  |               | Vehicle speed sensor (MT model)  |
| B18       | 4    | Gray  | B-3  | T5            | Rear oxygen sensor               |
| B20       | 16   | Brown | B-2  | E1            | Engine wiring harness            |
| B22       | 54   | Black | B-2  | E3            |                                  |
| B26       | 1    | Black | C-1  |               | Horn                             |
| B127      | 2    | Blue  | B-2  |               | Wastegate solenoid               |
| B128      | 4    | Gray  | B-3  | T9            | Transmission code (MT model)     |
| B262      | 4    | Gray  | B-2  |               | Front oxygen (A/F) sensor        |
| B301      | 26   | Black | B-2  |               | ABS control module               |
| B305      | 2    | Gray  | B-1  |               | Front turn signal light RH       |
| B306      | 2    | Brown | C-1  |               | Front fog light RH               |
| B320      | 2    | Gray  | B-1  |               | Side marker light RH             |
| B368      | 16   | Black | B-2  |               | VDC hydraulic unit               |
| B369      | 2    | Gray  | B-2  |               |                                  |
| B370      | 6    | Black | B-2  |               |                                  |

★ : White or natural color

## WIRING SYSTEM

| Connector |      |        |      | Connecting to |                     |
|-----------|------|--------|------|---------------|---------------------|
| No.       | Pole | Color  | Area | No.           | Description         |
| AB15      | 2    | Yellow | C-1  |               | Front sub sensor RH |



# Bulkhead Wiring Harness (In Compartment)

## WIRING SYSTEM

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

#### A: LOCATION

#### Bulkhead wiring harness

| Connector |      |        |      | Connecting to |                                          |
|-----------|------|--------|------|---------------|------------------------------------------|
| No.       | Pole | Color  | Area | No.           | Description                              |
| B2        | 5    | Gray   | C-2  |               | HID relay                                |
| B30       | 25   | ★      | C-1  | D1            | Front door cord LH                       |
| B31       | 8    | ★      | D-1  | AB1           | Airbag wiring harness                    |
| B32       | 3    | Black  | B-3  |               | Turn signal and hazard unit              |
| B34       | 2    | Yellow | C-4  | AB50          | Side airbag                              |
| B36       | 24   | ★      | C-1  | i1            | Instrument panel wiring harness          |
| B38       | 32   | ★      | B-1  | i3            |                                          |
| B40       | 16   | Black  | C-3  |               | Data link connector                      |
| B41       | 2    | ★      | C-1  |               | Power window circuit breaker             |
| B46       | 4    | ★      | B-5  |               | Fuel pump relay                          |
| B47       | 6    | Brown  | B-5  |               | Main relay                               |
| B50       | 4    | ★      | C-1  |               | Blower fan relay (Manual A/C)            |
|           |      | Black  | C-1  |               | Blower fan relay (Auto A/C)              |
| B51       | 8    | Blue   | C-1  |               | Fuse & relay box (F/B)                   |
| B53       | 7    | ★      | C-1  |               |                                          |
| B54       | 35   | ★      | B-2  |               | TCM                                      |
| B55       | 35   | ★      | C-2  |               |                                          |
| B59       | 5    | Gray   | C-1  |               | Interrupt relay (Security)               |
| B61       | 8    | Black  | B-1  | F44           | Front wiring harness                     |
| B62       | 24   | Black  | B-1  | F45           |                                          |
| B65       | 4    | Black  | B-2  |               | Stop light & brake switch                |
| B69       | 4    | ★      | B-3  |               | Parking switch                           |
| B70       | 18   | ★      | B-3  |               | Combination switch                       |
| B71       | 17   | ★      | B-3  |               |                                          |
| B72       | 4    | Blue   | C-2  |               | Ignition switch                          |
| B73       | 6    | ★      | C-3  |               | Key lock solenoid and key warning switch |
| B75       | 2    | Green  | C-2  | B76           | Test mode connector                      |
| B76       | 2    | Green  | C-2  | B75           |                                          |
| B77       | 10   | Brown  | B-3  |               | Mode actuator (Auto A/C)                 |
| B86       | 6    | Black  | B-4  |               | Blower fan resistor (Manual A/C)         |
| B87       | 2    | ★      | B-4  |               | Blower motor (Manual A/C)                |
|           | 6    | ★      | B-4  |               | Blower motor (Auto A/C)                  |
| B90       | 8    | ★      | B-5  | R50           | Roof cord                                |

| Connector |      |       |      | Connecting to |                                              |
|-----------|------|-------|------|---------------|----------------------------------------------|
| No.       | Pole | Color | Area | No.           | Description                                  |
| B91       | 4    | ★     | B-4  |               | Intake actuator                              |
| B95       | 4    | Brown | B-3  |               | Diode (Daytime running light)                |
| B100      | 20   | Blue  | B-2  | F2            | Front wiring harness                         |
| B101      | 25   | ★     | B-5  | D11           | Front door cord RH                           |
| B102      | 5    | Black | B-5  |               | Daytime running light relay                  |
| B103      | 4    | Blue  | B-5  |               | High-beam relay (Daytime running light)      |
| B104      | 4    | Black | C-1  |               | Rear accessory relay                         |
| B106      | 2    | ★     | B-2  |               | Clutch switch (MT model)                     |
| B107      | 2    | Blue  | B-2  |               | Clutch switch (MT model with cruise control) |
| B108      | 2    | Black | C-1  | F46           | Front wiring harness                         |
| B112      | 2    | Black | B-3  |               | Diode (Front fog light)                      |
| B117      | 6    | ★     | C-4  |               | AT select lever                              |
| B119      | 4    | ★     | C-4  |               | Front accessory power supply socket          |
| B122      | 8    | ★     | C-4  |               | Shield & sensor joint connector              |
| B125      | 1    | Green | B-5  | B126          | Line end check connector                     |
| B126      | 1    | Green | B-5  | B125          |                                              |
| B132      | 6    | ★     | C-2  |               | Headlight beam leveler switch (HID model)    |
| B134      | 34   | ★     | C-4  |               | ECM                                          |
| B135      | 35   | ★     | B-4  |               |                                              |
| B136      | 35   | ★     | B-4  |               |                                              |
| B137      | 31   | ★     | B-4  |               |                                              |
| B141      | 26   | Gray  | B-2  |               | Immobilizer control module (Turbo model)     |
| B142      | 2    | ★     | B-2  |               | Immobilizer antenna (Turbo model)            |
| B152      | 12   | ★     | C-1  |               | Fuse & relay box (F/B)                       |
| B158      | 10   | Gray  | C-1  |               |                                              |
| B160      | 6    | Gray  | C-2  |               | Front fog light switch                       |
| B176      | 26   | Gray  | B-5  |               | Keyless entry control module                 |
| B177      | 2    | ★     | B-5  |               | Wiper deicer                                 |
| B193      | 8    | ★     | C-2  |               | Wiper deicer switch                          |
| B194      | 2    | Black | C-1  | B195          | Joint connector (Key lock) (Turbo model)     |
| B195      | 2    | Black | C-1  | B194          |                                              |

# Bulkhead Wiring Harness (In Compartment)

WIRING SYSTEM

| Connector |      |       |      | Connecting to |                                                    |
|-----------|------|-------|------|---------------|----------------------------------------------------|
| No.       | Pole | Color | Area | No.           | Description                                        |
| B198      | 1    | ★     | B-4  | B199          | Joint ground connector                             |
| B199      | 1    | ★     | B-4  | B198          |                                                    |
| B201      | 24   | Black | C-4  | i40           | Instrument panel wiring harness                    |
| B202      | 24   | ★     | C-4  | i41           | Instrument panel wiring harness (Auto A/C)         |
|           | 20   | ★     | C-4  | i41           | Instrument panel wiring harness (Manual A/C)       |
| B225      | 8    | Black | C-2  |               | Fuse (Relay block)                                 |
|           | 5    | Black | C-2  |               | Ignition relay (Relay block)                       |
|           |      |       |      |               | Power window relay (Relay block)                   |
|           |      |       |      |               | Front fog light relay (Relay block)                |
|           |      |       |      |               | Starter interlock relay (Relay block)              |
|           |      |       |      |               | Wiper deicer and mirror heater relay (Relay block) |
|           |      |       |      |               | Seat heater relay (Relay block)                    |
| B230      | 6    | Black | C-4  |               | Yaw rate & lateral G sensor (with VDC)             |
| B231      | 4    | ★     | C-3  |               | Steering angle sensor (with VDC)                   |
| B236      | 8    | ★     | C-3  |               | Steering roll connector                            |
| B256      | 3    | ★     | B-4  |               | Evaporator thermo switch                           |
| B271      | 12   | Blue  | C-1  |               | Fuse & relay box (F/B)                             |
| B280      | 16   | Blue  | B-2  |               | Body integrated unit                               |
| B281      | 20   | Gray  | B-2  |               |                                                    |
| B292      | 3    | ★     | C-4  |               | ABS G sensor                                       |
| B309      | 4    | Black | B-4  |               | Electronic throttle control relay                  |
| B310      | 83   | Black | B-3  |               | VDC control module                                 |
| B312      | 6    | ★     | B-3  |               | VDC shield joint connector                         |
| B313      | 4    | Brown | B-1  |               | HID diode                                          |
| B315      | 6    | Black | B-3  |               | Accelerator position sensor                        |
| B318      | 6    | Brown | C-2  |               | VDC OFF switch                                     |
| B327      | 5    | Gray  | B-4  |               | A/F & Oxygen sensor relay (Non-turbo model)        |
| B348      | 8    | ★     | B-4  |               | Impact sensor                                      |

★ : White or natural color

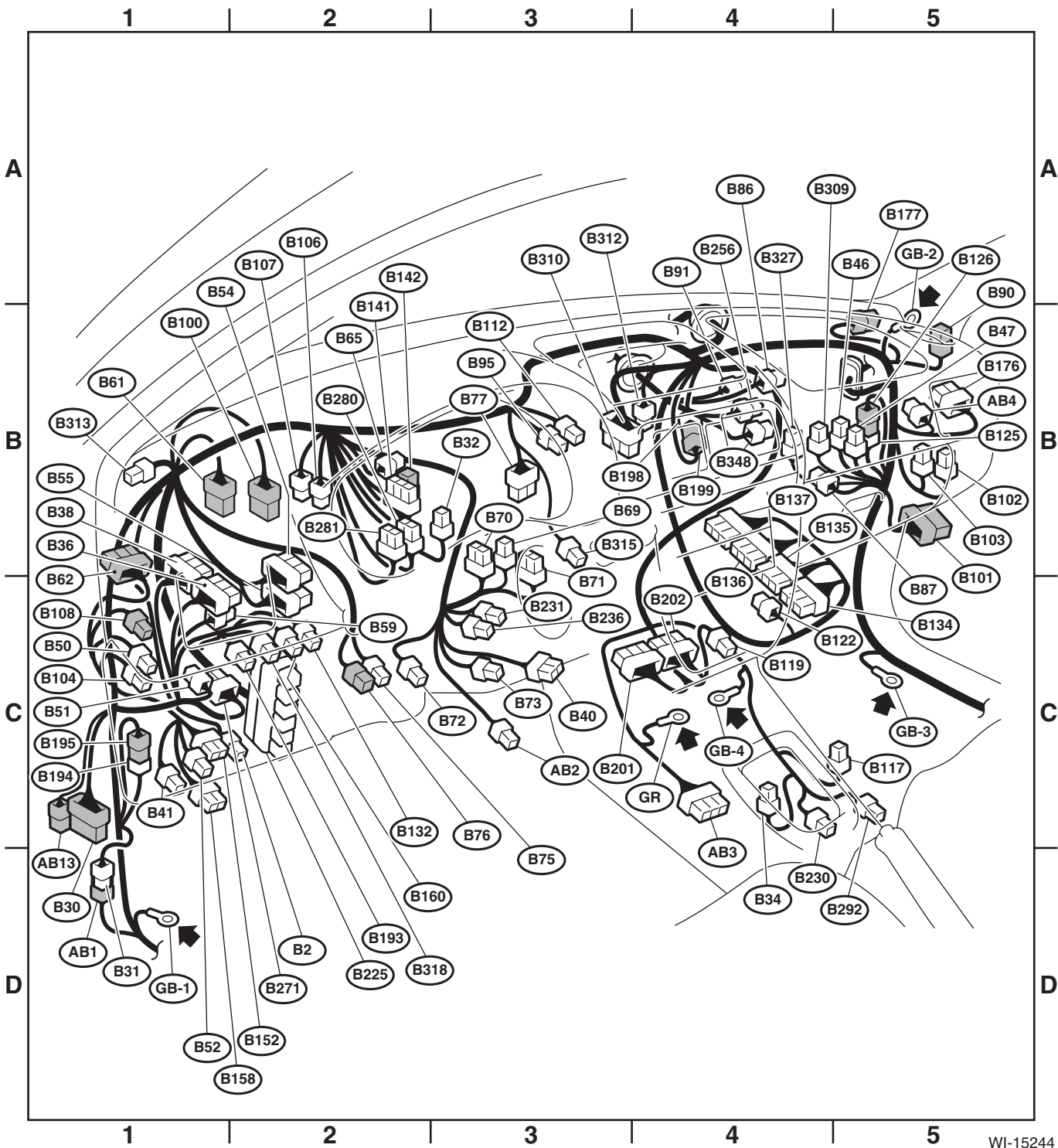
## Airbag wiring harness

| Connector |      |        |      | Connecting to |                           |
|-----------|------|--------|------|---------------|---------------------------|
| No.       | Pole | Color  | Area | No.           | Description               |
| AB1       | 8    | ★      | D-1  | B31           | Bulkhead wiring harness   |
| AB2       | 4    | Yellow | C-3  |               | Airbag module (Driver)    |
| AB3       | 28   | Yellow | C-4  |               | Airbag control module     |
| AB4       | 4    | Yellow | B-5  |               | Airbag module (Passenger) |
| AB1<br>3  | 2    | Yellow | C-1  | AB1<br>4      | Front sub sensor LH       |

★ : White or natural color

# Bulkhead Wiring Harness (In Compartment)

WIRING SYSTEM



## 56.Engine Wiring Harness and Transmission Cord

### A: LOCATION

#### 1. NON-TURBO MODEL

| Connector |      |            |      | Connecting to |                                                      |
|-----------|------|------------|------|---------------|------------------------------------------------------|
| No.       | Pole | Color      | Area | No.           | Description                                          |
| E3        | 54   | Black      | A-4  | B22           | Bulkhead wiring harness                              |
| E4        | 2    | Black      | A-3  |               | CPC Solenoid                                         |
| E5        | 2    | Dark gray  | A-2  |               | Fuel injector No. 1                                  |
| E6        | 2    | Dark gray  | A-3  |               | Fuel injector No. 3                                  |
| E8        | 3    | Light gray | A-3  |               | Engine coolant temperature sensor and thermometer    |
| E10       | 2    | Light gray | B-3  |               | Crankshaft position sensor                           |
| E11       | 1    | ★          | B-2  |               | Oil pressure switch                                  |
| E12       | 4    | Dark gray  | A-3  |               | Ignition coil and ignitor                            |
| E14       | 2    | Gray       | A-4  |               | Knock sensor                                         |
| E15       | 2    | Gray       | B-4  |               | Camshaft position sensor                             |
| E16       | 2    | Dark gray  | B-4  |               | Fuel injector No. 2                                  |
| E17       | 2    | Dark gray  | B-4  |               | Fuel injector No. 4                                  |
| E18       | 6    | Dark gray  | A-4  |               | EGR solenoid valve                                   |
| E19       | 1    | ★          | B-2  |               | Power steering oil pressure switch                   |
| E21       | 3    | Black      | A-3  |               | Pressure sensor                                      |
| E22       | 4    | Dark gray  | A-2  |               | Rear oxygen sensor                                   |
| E23       | 6    | Black      | A-2  |               | Front oxygen (A/F) sensor                            |
| E57       | 6    | Black      | A-3  |               | Electronic throttle control                          |
| E61       | 2    | Dark gray  | A-4  |               | PCV diagnosis connector                              |
| E69       | 2    | Blue       | A-3  |               | Oil switching solenoid valve RH                      |
| E70       | 2    | Blue       | B-4  |               | Oil switching solenoid valve LH                      |
| E71       | 1    | ★          | A-3  |               | Variable valve lift diagnosis oil pressure switch RH |
| E72       | 1    | ★          | B-4  |               | Variable valve lift diagnosis oil pressure switch LH |
| E75       | 2    | Black      | B-3  |               | Oil temperature sensor                               |

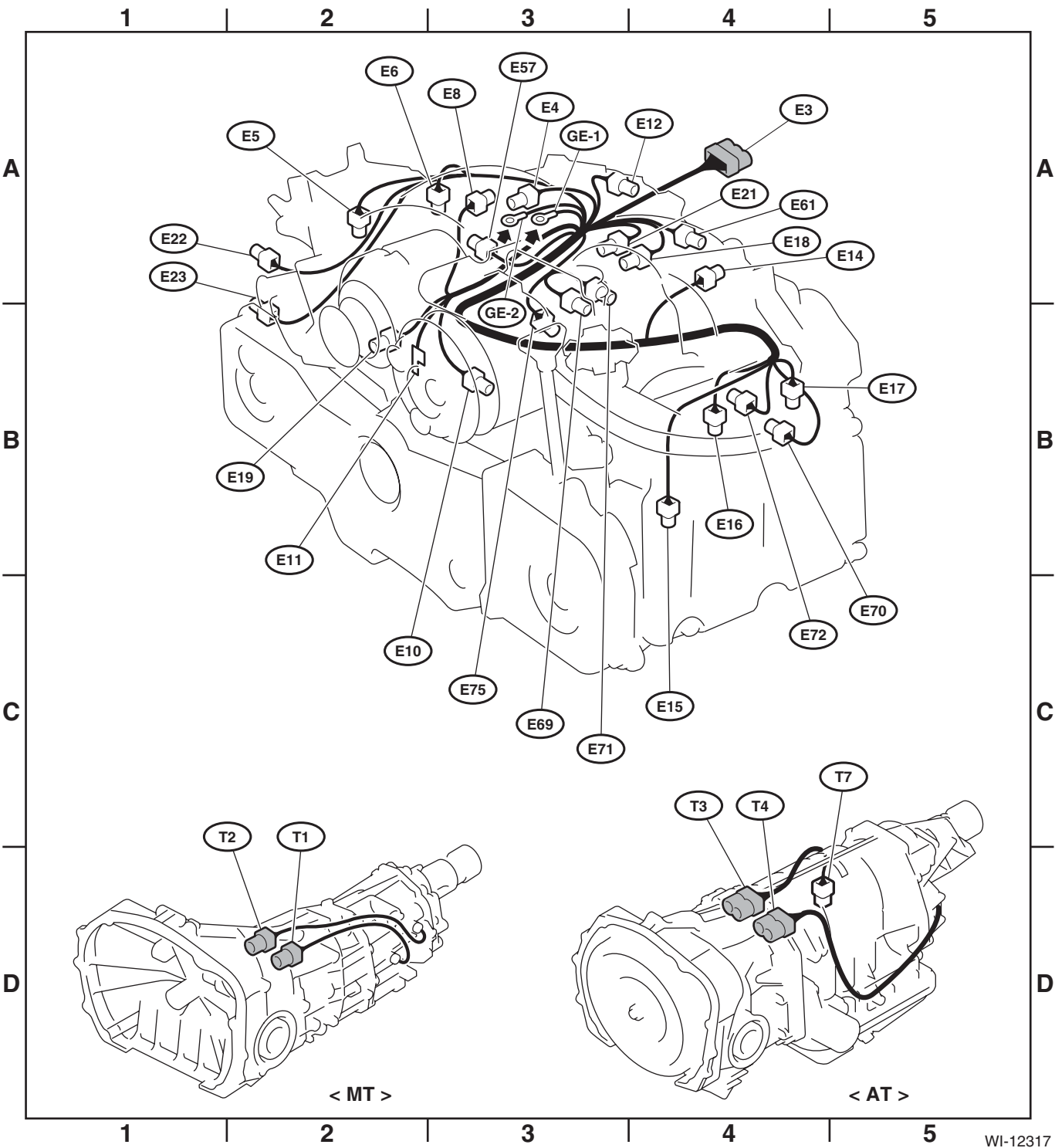
★ : White or natural color

# Engine Wiring Harness and Transmission Cord

## WIRING SYSTEM

### Transmission cord

| Connector |      |       |      | Connecting to |                                    |
|-----------|------|-------|------|---------------|------------------------------------|
| No.       | Pole | Color | Area | No.           | Description                        |
| T1        | 2    | Gray  | D-2  | B24           | Bulkhead wiring harness (MT model) |
| T2        | 2    | Brown | D-2  | B25           |                                    |
| T3        | 12   | Black | D-4  | B12           | Bulkhead wiring harness (AT model) |
| T4        | 20   | Gray  | D-4  | B11           |                                    |
| T7        | 12   | Black | D-4  |               | Inhibitor switch                   |



WI-12317



# Engine Wiring Harness and Transmission Cord

## WIRING SYSTEM

### 2. TURBO MODEL

| Connector                  |      |            |      | Connecting to |                                                                      |
|----------------------------|------|------------|------|---------------|----------------------------------------------------------------------|
| No.                        | Pole | Color      | Area | No.           | Description                                                          |
| E1                         | 16   | Brown      | A-2  | B20           | Bulkhead wiring harness                                              |
| E3                         | 54   | Black      | A-3  | B22           |                                                                      |
| E4                         | 2    | Black      | B-3  |               | CPC solenoid No. 1                                                   |
| E5                         | 2    | Dark gray  | A-2  |               | Fuel injector No. 1                                                  |
| E6                         | 2    | Dark gray  | A-2  |               | Fuel injector No. 3                                                  |
| E8                         | 3    | Light gray | B-3  |               | Engine coolant temperature sensor and thermometer                    |
| E10                        | 2    | Light gray | B-2  |               | Crankshaft position sensor                                           |
| E11                        | 1    | ★          | B-2  |               | Oil pressure switch                                                  |
| E14                        | 2    | Light gray | A-4  |               | Knock sensor                                                         |
| E16                        | 2    | Dark gray  | B-4  |               | Fuel injector No. 2                                                  |
| E17                        | 2    | Dark gray  | B-4  |               | Fuel injector No. 4                                                  |
| E19                        | 1    | ★          | B-3  |               | Power steering oil pressure switch                                   |
| E21                        | 3    | Black      | A-3  |               | Pressure sensor                                                      |
| E31                        | 3    | ★          | B-2  |               | Ignition coil No. 1                                                  |
| E32                        | 3    | ★          | B-4  |               | Ignition coil No. 2                                                  |
| E33                        | 3    | Black      | A-3  |               | Ignition coil No. 3                                                  |
| E34                        | 3    | Black      | B-4  |               | Ignition coil No. 4                                                  |
| E35                        | 3    | Light gray | A-4  |               | AVCS camshaft position sensor LH                                     |
| E36                        | 3    | Light gray | A-3  |               | AVCS cam shaft position sensor RH                                    |
| E37                        | 2    | Blue       | B-4  |               | AVCS solenoid LH                                                     |
| E38                        | 2    | Blue       | A-2  |               | AVCS solenoid RH                                                     |
| E40                        | 2    | Black      | B-3  |               | Secondary air combination valve RH                                   |
| E41                        | 6    | Black      | B-4  |               | Secondary air combination valve LH (with pressure sensor integrated) |
| E50                        | 3    | Black      | B-3  |               | TGV position sensor LH                                               |
| E51                        | 2    | Black      | A-4  |               | TGV LH                                                               |
| E52                        | 2    | Black      | B-3  |               | CPC solenoid No. 2                                                   |
| E54                        | 3    | Black      | A-3  |               | TGV position sensor RH                                               |
| E55                        | 2    | Black      | A-2  |               | TGV RH                                                               |
| E57                        | 6    | Black      | A-3  |               | Electronic throttle control                                          |
| E61                        | 2    | Dark gray  | A-3  |               | PCV diagnosis connector                                              |
| ★ : White or natural color |      |            |      |               |                                                                      |

# Engine Wiring Harness and Transmission Cord

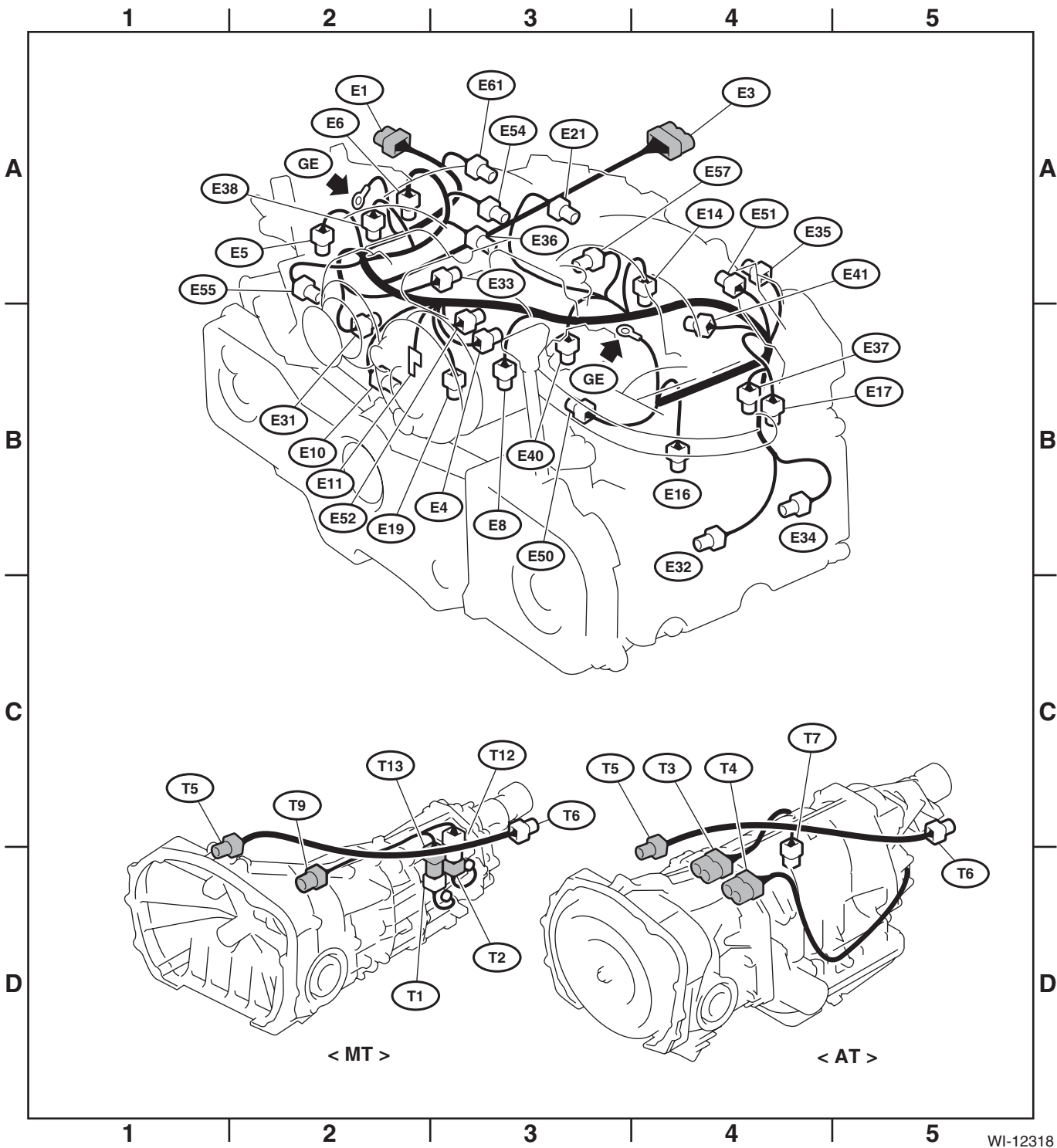
WIRING SYSTEM

## Transmission cord

| Connector                  |      |           |      | Connecting to |                                    |
|----------------------------|------|-----------|------|---------------|------------------------------------|
| No.                        | Pole | Color     | Area | No.           | Description                        |
| T1                         | 2    | ★         | D-3  |               | Transmission code (MT model)       |
| T2                         | 2    | ★         | D-3  |               |                                    |
| T3                         | 12   | Black     | D-4  | B12           | Bulkhead wiring harness (AT model) |
| T4                         | 20   | Gray      | D-4  | B11           |                                    |
| T5                         | 4    | Dark gray | C-1  | B18           | Bulkhead wiring harness (MT model) |
|                            |      |           | C-4  | B18           | Bulkhead wiring harness (AT model) |
| T6                         | 4    | Dark gray | C-3  |               | Rear oxygen sensor (MT model)      |
|                            |      |           | C-5  |               | Rear oxygen sensor (AT model)      |
| T7                         | 12   | Black     | D-4  |               | Inhibitor switch (AT model)        |
| T9                         | 4    | Gray      | D-2  | B128          | Bulkhead wiring harness (MT model) |
| T12                        | 2    | Brown     | D-3  |               | Neutral switch (MT model)          |
| T13                        | 2    | Gray      | D-3  |               | Back-up light switch (MT model)    |
| ★ : White or natural color |      |           |      |               |                                    |

Engine Wiring Harness and Transmission Cord

WIRING SYSTEM



WI-12318

## 57. Instrument Panel Wiring Harness

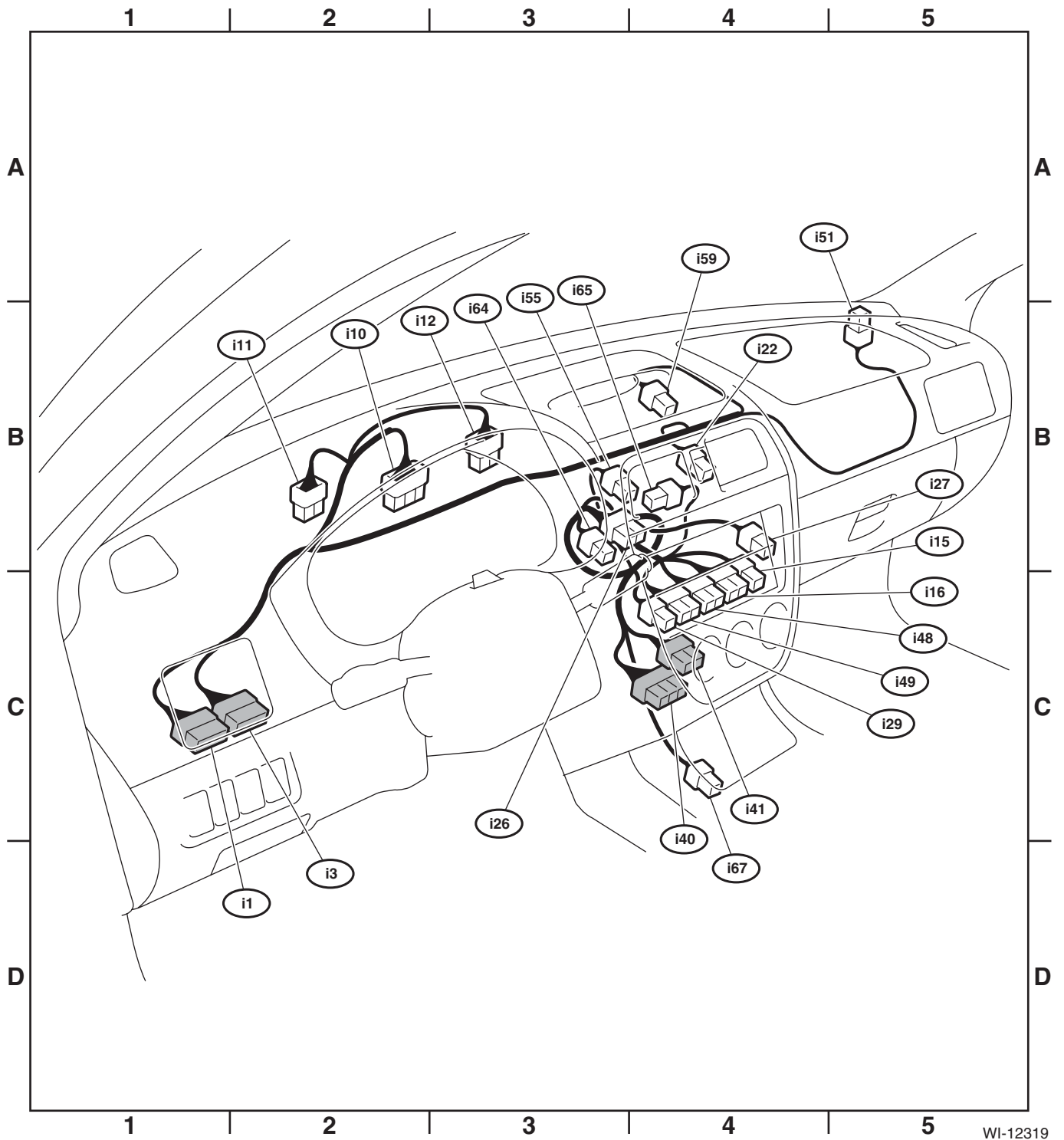
### A: LOCATION

| Connector |      |       |      | Connecting to |                                           |
|-----------|------|-------|------|---------------|-------------------------------------------|
| No.       | Pole | Color | Area | No.           | Description                               |
| i1        | 24   | ★     | C-1  | B36           | Bulkhead wiring harness                   |
| i3        | 32   | ★     | C-1  | B38           |                                           |
| i10       | 30   | Green | B-2  |               | Combination meter                         |
| i11       | 10   | Green | B-2  |               |                                           |
| i12       | 14   | Green | B-3  |               |                                           |
| i15       | 6    | ★     | C-4  |               | Blower fan switch (Manual A/C)            |
| i16       | 12   | ★     | C-4  |               | Manual A/C control module                 |
| i22       | 8    | ★     | B-4  |               | Hazard switch                             |
| i26       | 14   | ★     | B-3  |               | Audio                                     |
| i27       | 2    | ★     | B-4  |               | CD player illumination light              |
| i29       | 1    | Black | C-4  |               | Audio bracket earth                       |
| i40       | 24   | Black | C-4  | B201          | Bulkhead wiring harness                   |
| i41       | 24   | ★     | C-4  | B202          | Bulkhead wiring harness (Auto A/C)        |
| i41       | 20   | ★     | C-4  | B202          | Bulkhead wiring harness (Manual A/C)      |
| i48       | 16   | Gray  | C-4  |               | Auto A/C control module                   |
| i49       | 20   | Gray  | C-4  |               |                                           |
| i51       | 2    | ★     | B-5  |               | Sunload sensor                            |
| i55       | 2    | ★     | B-3  |               | In-vehicle sensor                         |
| i59       | 10   | Green | B-4  |               | Clock                                     |
| i64       | 8    | Black | B-3  |               | Audio (with woofer, without AUX terminal) |
|           |      | ★     | B-3  |               | Audio (with woofer and AUX terminal)      |
| i65       | 6    | Black | B-4  |               | Air mix actuator (Auto A/C)               |
| i67       | 6    | ★     | C-4  |               | AUX terminal box                          |

★ : White or natural color

# Instrument Panel Wiring Harness

WIRING SYSTEM



WI-12319

## 58.Rear Wiring Harness

### A: LOCATION

#### • Rear wiring harness

| Connector |      |       |      | Connecting to |                                                                 |
|-----------|------|-------|------|---------------|-----------------------------------------------------------------|
| No.       | Pole | Color | Area | No.           | Description                                                     |
| R1        | 8    | Black | B-2  | B97           | Bulkhead wiring harness                                         |
| R2        | 12   | ★     | B-2  | B98           |                                                                 |
| R3        | 24   | ★     | B-2  | B99           |                                                                 |
| R4        | 1    | Black | B-3  |               | Parking brake switch                                            |
| R8        | 2    | ★     | C-4  |               | Seat belt switch (Manual seat)                                  |
| R15       | 12   | ★     | B-3  | R57           | Fuel tank cord                                                  |
| R22       | 3    | ★     | B-5  |               | Rear door switch LH                                             |
| R41       | 4    | Blue  | B-2  |               | Seat heater RH                                                  |
| R42       | 4    | ★     | B-3  |               | Seat heater switch RH                                           |
| R43       | 4    | Blue  | B-3  |               | Seat heater switch LH                                           |
| R72       | 2    | ★     | B-3  |               | Rear ABS wheel speed sensor RH                                  |
| R73       | 2    | ★     | C-4  |               | Rear ABS wheel speed sensor LH                                  |
| R146      | 2    | ★     | B-3  |               | Rear accessory power socket                                     |
| R188      | 8    | Black | C-3  |               | Power seat & seat heater and seat belt switch (with power seat) |

★ : White or natural color

#### • Bulkhead wiring harness

| Connector |      |       |      | Connecting to |                      |
|-----------|------|-------|------|---------------|----------------------|
| No.       | Pole | Color | Area | No.           | Description          |
| B97       | 8    | Black | B-2  | R1            | Rear wiring harness  |
| B98       | 12   | ★     | B-2  | R2            |                      |
| B99       | 24   | ★     | B-2  | R3            |                      |
| B266      | 8    | ★     | B-2  | D28           | Rear door cord RH    |
| B267      | 3    | ★     | C-4  |               | Front door switch LH |
| B268      | 3    | ★     | B-2  |               | Front door switch RH |
| B270      | 8    | ★     | C-4  | D22           | Rear door cord LH    |

★ : White or natural color

#### • Roof cord

| Connector |      |       |      | Connecting to |                                |
|-----------|------|-------|------|---------------|--------------------------------|
| No.       | Pole | Color | Area | No.           | Description                    |
| R50       | 8    | ★     | B-1  | B90           | Bulkhead wiring harness        |
| R52       | 3    | ★     | A-3  |               | Room light                     |
| R55       | 2    | ★     | B-2  |               | Sunroof control unit and motor |
| R56       | 2    | ★     | B-3  |               | Spot map light                 |
| R139      | 3    | ★     | B-2  |               | Compass mirror                 |

★ : White or natural color

# Rear Wiring Harness

## WIRING SYSTEM

### • Fuel tank cord

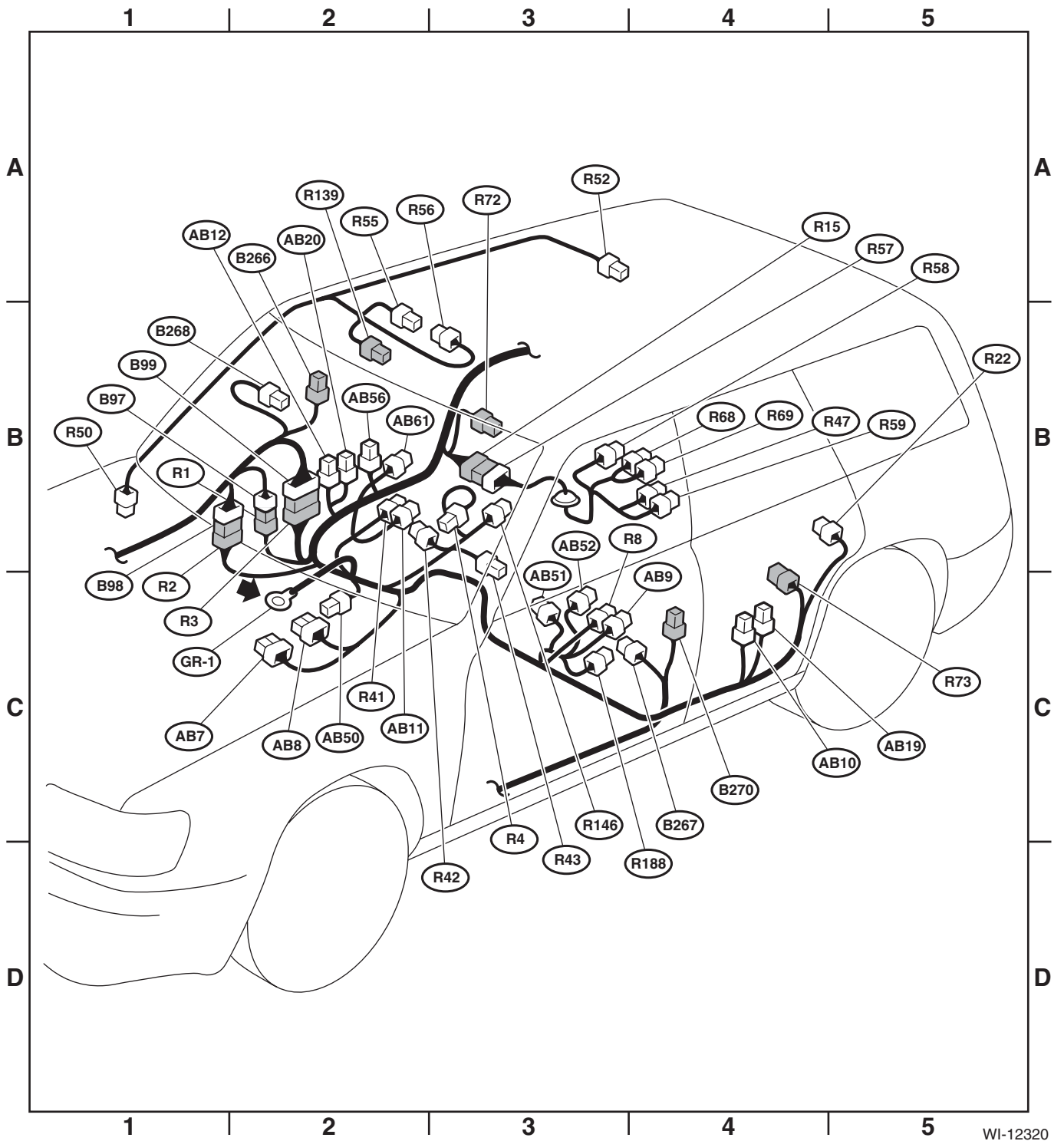
| Connector                  |      |       |      | Connecting to |                                 |
|----------------------------|------|-------|------|---------------|---------------------------------|
| No.                        | Pole | Color | Area | No.           | Description                     |
| R47                        | 3    | Black | B-4  |               | Fuel tank pressure sensor       |
| R57                        | 12   | ★     | B-3  | R15           | Rear wiring harness             |
| R58                        | 6    | ★     | B-3  |               | Fuel pump assembly              |
| R59                        | 2    | ★     | B-4  |               | Fuel gauge sub module           |
| R68                        | 2    | Gray  | B-4  |               | Pressure control solenoid valve |
| R69                        | 2    | Black | B-4  |               | Drain valve                     |
| ★ : White or natural color |      |       |      |               |                                 |

### • Airbag wiring harness

| Connector |      |        |      | Connecting to |                         |
|-----------|------|--------|------|---------------|-------------------------|
| No.       | Pole | Color  | Area | No.           | Description             |
| AB7       | 12   | Yellow | C-2  |               | Airbag control module   |
| AB8       | 12   | Yellow | C-2  |               |                         |
| AB9       | 2    | Yellow | C-3  |               | Inflator (Side LH)      |
| AB10      | 4    | Yellow | C-4  |               | Side airbag sensor LH   |
| AB11      | 2    | Yellow | B-2  |               | Inflator (Side RH)      |
| AB12      | 4    | Yellow | B-2  |               | Side airbag sensor RH   |
| AB19      | 2    | Black  | C-4  |               | ELR pretensioner LH     |
| AB20      | 2    | Black  | B-2  |               | ELR pretensioner RH     |
| AB50      | 2    | Yellow | C-2  | B34           | Bulkhead wiring harness |
| AB51      | 2    | Yellow | C-3  |               | Buckle switch           |
| AB52      | 2    | Yellow | C-3  |               | Seat position sensor    |
| AB56      | 3    | Brown  | B-2  |               | Belt tension sensor     |
| AB61      | 6    | Gray   | B-2  | AB59          | Airbag wiring harness   |

# Rear Wiring Harness

WIRING SYSTEM





# Door Cord

## WIRING SYSTEM

### 59.Door Cord

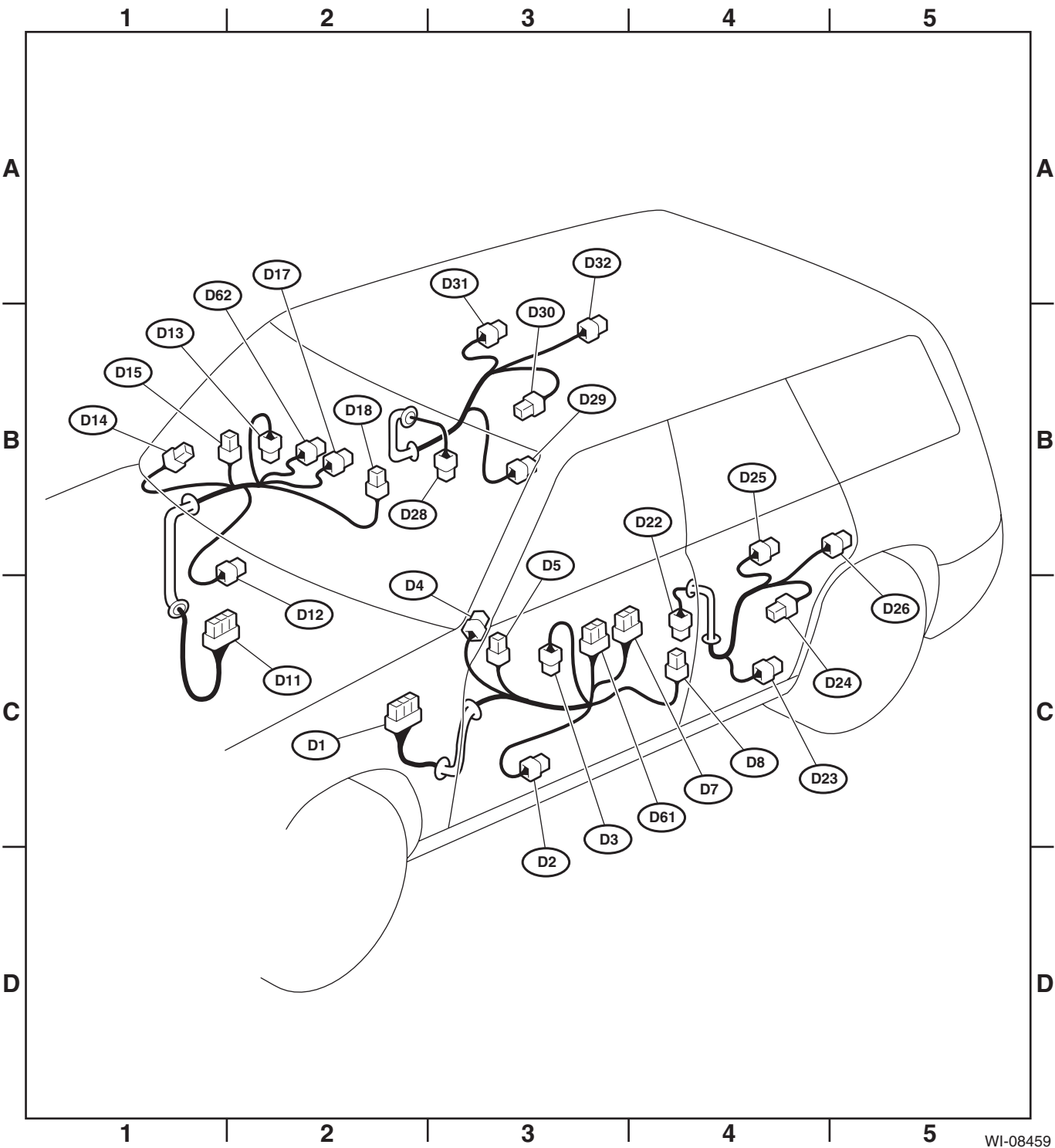
#### A: LOCATION

| Connector |      |       |      | Connecting to |                                                                                       |
|-----------|------|-------|------|---------------|---------------------------------------------------------------------------------------|
| No.       | Pole | Color | Area | No.           | Description                                                                           |
| D1        | 25   | ★     | C-2  | B30           | Bulkhead wiring harness                                                               |
| D2        | 2    | ★     | C-3  |               | Front door speaker LH                                                                 |
| D3        | 2    | Green | C-3  |               | Front power window motor LH                                                           |
| D4        | 2    | Black | C-3  |               | Front door tweeter LH                                                                 |
| D5        | 6    | ★     | C-3  |               | Outer mirror assembly LH (without outer mirror turn signal light, mirror heater)      |
|           | 8    | ★     | C-3  |               | Outer mirror assembly LH (without outer mirror turn signal light, with mirror heater) |
|           | 8    | ★     | C-3  |               | Outer mirror assembly LH (with outer mirror turn signal light, without mirror heater) |
|           | 10   | ★     | C-3  |               | Outer mirror assembly LH (with outer mirror turn signal light, mirror heater)         |
| D7        | 16   | ★     | C-4  |               | Front power window main switch                                                        |
| D8        | 4    | ★     | C-4  |               | Front door lock actuator LH                                                           |
| D11       | 25   | ★     | C-1  | B101          | Bulkhead wiring harness                                                               |
| D12       | 2    | ★     | B-1  |               | Front door speaker LH                                                                 |
| D13       | 2    | Green | B-2  |               | Front power window motor RH                                                           |
| D14       | 2    | Black | B-1  |               | Front door tweeter RH                                                                 |
| D15       | 6    | ★     | B-1  |               | Outer mirror assembly RH (without outer mirror turn signal light, mirror heater)      |
|           | 8    | ★     | B-1  |               | Outer mirror assembly RH (without outer mirror turn signal light, with mirror heater) |
|           | 8    | ★     | B-1  |               | Outer mirror assembly RH (with outer mirror turn signal light, without mirror heater) |
|           | 10   | ★     | B-1  |               | Outer mirror assembly RH (with outer mirror turn signal light, mirror heater)         |
| D17       | 8    | ★     | B-2  |               | Front power window sub-switch RH                                                      |
| D18       | 4    | ★     | B-2  |               | Front door lock actuator RH                                                           |
| D22       | 8    | ★     | C-4  | B270          | Bulkhead wiring harness                                                               |
| D23       | 2    | ★     | C-4  |               | Rear door speaker LH                                                                  |
| D24       | 2    | Green | C-4  |               | Rear power window motor LH                                                            |
| D25       | 8    | ★     | B-4  |               | Rear power window sub-switch LH                                                       |
| D26       | 4    | ★     | B-5  |               | Rear door lock actuator LH                                                            |
| D28       | 8    | ★     | B-3  | B266          | Bulkhead wiring harness                                                               |
| D29       | 2    | ★     | B-3  |               | Rear door speaker RH                                                                  |
| D30       | 2    | Green | B-3  |               | Rear power window motor RH                                                            |
| D31       | 8    | ★     | B-3  |               | Rear power window sub-switch RH                                                       |
| D32       | 4    | ★     | B-3  |               | Rear door lock actuator RH                                                            |
| D61       | 10   | ★     | C-3  |               | Remote control mirror switch                                                          |
| D62       | 5    | ★     | B-2  |               | Front door sub-switch                                                                 |

★ : White or natural color

Door Cord

WIRING SYSTEM



WI-08459

# Rear Wiring Harness and Rear Gate Cord

## WIRING SYSTEM

### 60.Rear Wiring Harness and Rear Gate Cord

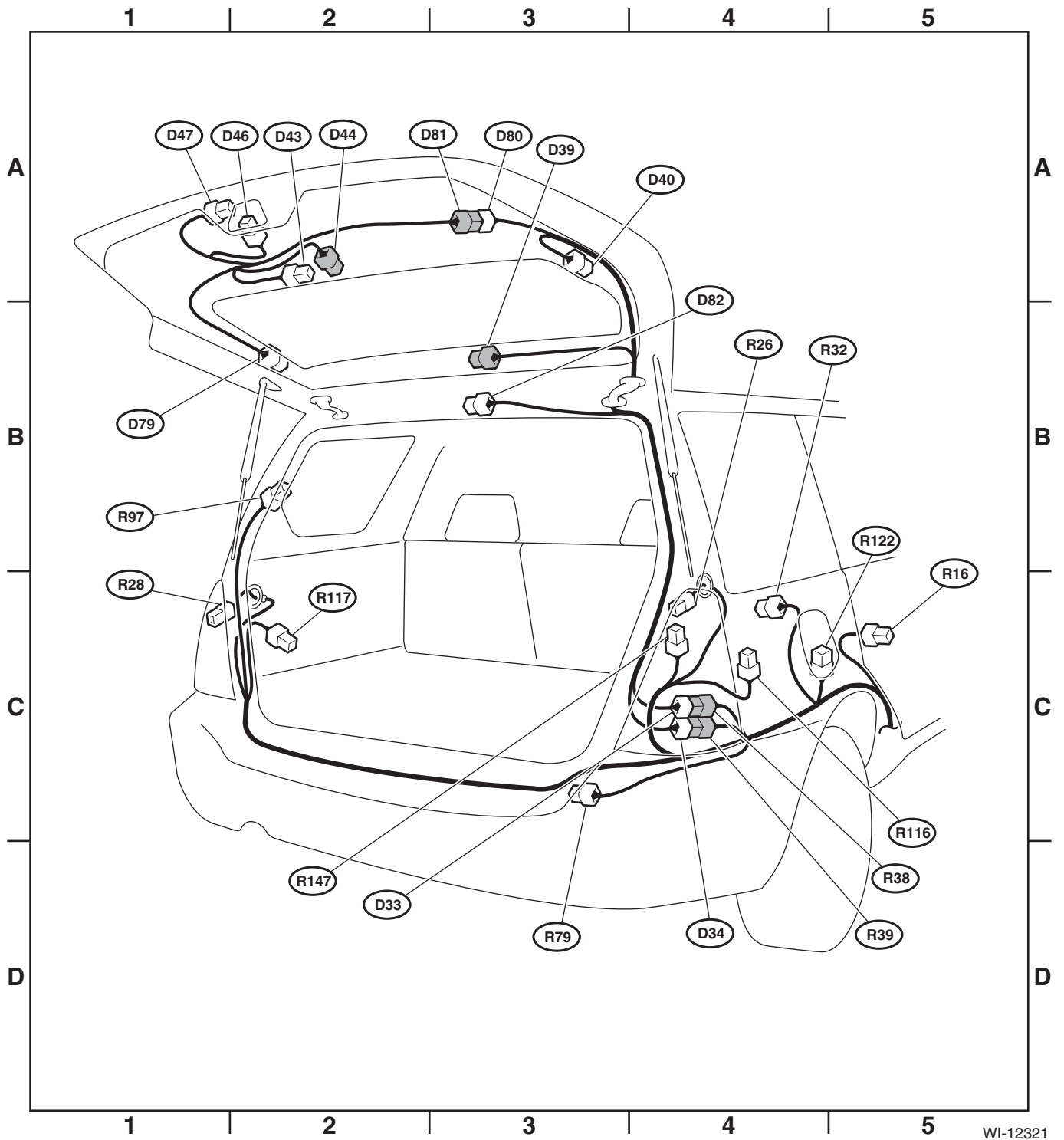
#### A: LOCATION

| Connector                  |      |       |      | Connecting to |                                      |
|----------------------------|------|-------|------|---------------|--------------------------------------|
| No.                        | Pole | Color | Area | No.           | Description                          |
| R16                        | 3    | ★     | C-5  |               | Rear door switch RH                  |
| R26                        | 6    | ★     | C-4  |               | Rear combination light RH            |
| R28                        | 6    | ★     | C-1  |               | Rear combination light LH            |
| R32                        | 2    | ★     | C-4  |               | Rear accessory power socket          |
| R38                        | 4    | ★     | C-4  | D33           | Rear gate cord                       |
| R39                        | 8    | ★     | C-4  | D34           |                                      |
| R79                        | 6    | ★     | C-3  |               | Trailer connector                    |
| R97                        | 1    | ★     | B-2  |               | Antenna amplifier                    |
| R116                       | 8    | ★     | C-4  |               | Rear wiper intermittent unit         |
| R117                       | 2    | Black | C-2  |               | Woofer                               |
| R122                       | 6    | ★     | C-4  |               | Fuel pump control unit (Turbo model) |
| R147                       | 5    | ★     | C-4  |               | Joint ground connector               |
| ★ : White or natural color |      |       |      |               |                                      |

| Connector                  |      |       |      | Connecting to |                         |
|----------------------------|------|-------|------|---------------|-------------------------|
| No.                        | Pole | Color | Area | No.           | Description             |
| D33                        | 4    | ★     | C-4  | R38           | Rear wiring harness     |
| D34                        | 8    | ★     | C-4  | R39           |                         |
| D39                        | 2    | Black | B-3  |               | High-mounted stop light |
| D40                        | 1    | Black | A-3  |               | Rear defogger           |
| D43                        | 4    | ★     | A-2  |               | Rear wiper motor        |
| D44                        | 2    | ★     | A-2  |               | License plate light     |
| D46                        | 2    | Black | A-2  |               | Rear gate latch switch  |
| D47                        | 4    | ★     | A-1  |               | Rear gate lock actuator |
| D79                        | 1    | Black | B-2  |               | Rear defogger           |
| D80                        | 8    | Black | A-3  | D81           | Rear gate cord          |
| D81                        | 8    | Black | A-3  | D80           |                         |
| D82                        | 3    | ★     | B-3  |               | Luggage room light      |
| ★ : White or natural color |      |       |      |               |                         |

# Rear Wiring Harness and Rear Gate Cord

WIRING SYSTEM



WI-12321

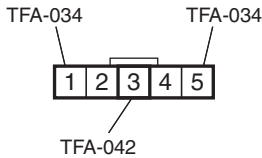
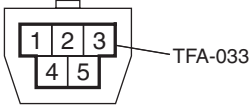
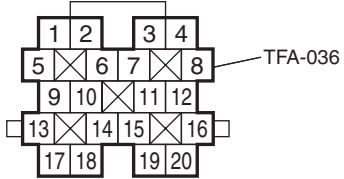
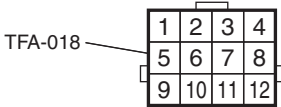
# Harness Repair Kit

WIRING SYSTEM

## 61.Harness Repair Kit

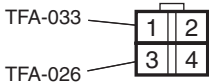
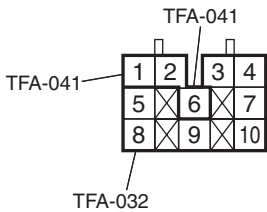
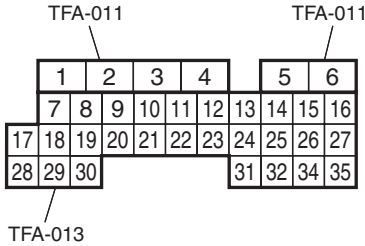
### A: SPECIFICATION

#### 1. ADAPTATION TABLE

| Connector No. | Adaptive repair kit                                                                                 | Terminal No. | Harness repair kit No. |
|---------------|-----------------------------------------------------------------------------------------------------|--------------|------------------------|
| B3            |  <p>WI-06087</p>   | 1, 2, 4, 5   | TFA-034                |
|               |                                                                                                     | 3            | TFA-042                |
| B8            |  <p>WI-04676</p>   | ALL          | TFA-033                |
| B11           |  <p>WI-04677</p> | ALL          | TFA-036                |
| B12           |  <p>WI-04679</p> | ALL          | TFA-018                |

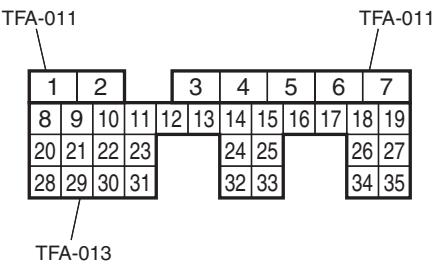
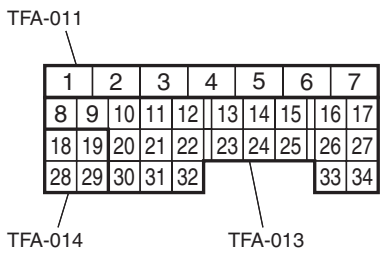
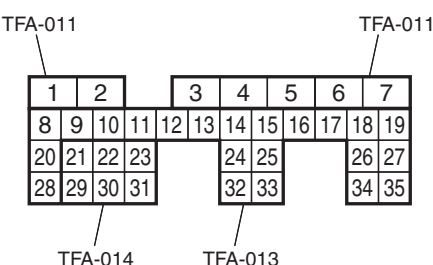
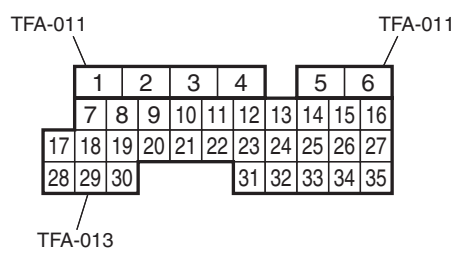
# Harness Repair Kit

## WIRING SYSTEM

| Connector No.               | Adaptive repair kit                                                                             | Terminal No.  | Harness repair kit No. |
|-----------------------------|-------------------------------------------------------------------------------------------------|---------------|------------------------|
| B17<br>(Non-turbo MT model) | <br>WI-06088   | ALL           | TFA-019                |
| B17<br>(Turbo MT model)     | <br>WI-06089   | ALL           | TFA-019                |
| B18                         | <br>WI-06090 | 1, 2          | TFA-033                |
|                             |                                                                                                 | 3, 4          | TFA-026                |
| B20<br>(Turbo model)        | <br>WI-11568 | 1, 2, 6       | TFA-041                |
|                             |                                                                                                 | 3 — 5, 7 — 10 | TFA-032                |
| B54                         | <br>WI-11569 | 1 — 6         | TFA-011                |
|                             |                                                                                                 | 7 — 35        | TFA-013                |

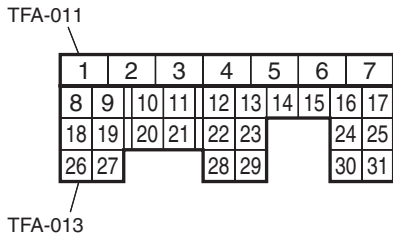
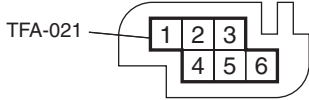
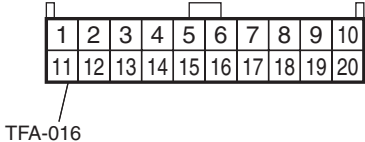
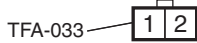
# Harness Repair Kit

## WIRING SYSTEM

| Connector No.            | Adaptive repair kit                                                                                 | Terminal No.             | Harness repair kit No. |
|--------------------------|-----------------------------------------------------------------------------------------------------|--------------------------|------------------------|
| B55                      |  <p>WI-11570</p>   | 1 — 7                    | TFA-011                |
|                          |                                                                                                     | 8 — 35                   | TFA-013                |
| B128<br>(Turbo MT model) |  <p>WI-06096</p>   | ALL                      | TFA-018                |
| B134                     |  <p>WI-11571</p>  | 1 — 7                    | TFA-011                |
|                          |                                                                                                     | 8 — 17, 20 — 27, 30 — 34 | TFA-013                |
|                          |                                                                                                     | 18, 19, 28, 29           | TFA-014                |
| B135                     |  <p>WI-11572</p> | 1 — 7                    | TFA-011                |
|                          |                                                                                                     | 8 — 20, 24 — 28, 32 — 35 | TFA-013                |
|                          |                                                                                                     | 21 — 23, 29 — 31         | TFA-014                |
| B136                     |  <p>WI-11573</p> | 1 — 6                    | TFA-011                |
|                          |                                                                                                     | 7 — 35                   | TFA-013                |

# Harness Repair Kit

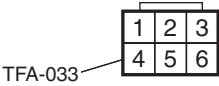
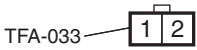
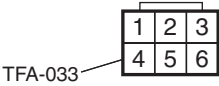
WIRING SYSTEM

| Connector No.               | Adaptive repair kit                                                                                 | Terminal No. | Harness repair kit No. |
|-----------------------------|-----------------------------------------------------------------------------------------------------|--------------|------------------------|
| B137                        |  <p>WI-04697</p>   | 1 — 7        | TFA-011                |
|                             |                                                                                                     | 8 — 31       | TFA-013                |
| B230<br>(Model with VDC)    |  <p>WI-04700</p>   | ALL          | TFA-021                |
| B281                        |  <p>WI-11574</p> | ALL          | TFA-016                |
| B292<br>(Model without VDC) |  <p>WI-06101</p> | ALL          | TFA-012                |
| B305                        |  <p>WI-04717</p> | ALL          | TFA-033                |



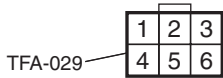
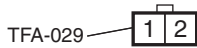
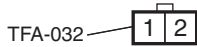
# Harness Repair Kit

## WIRING SYSTEM

| Connector No. | Adaptive repair kit                                                                                                | Terminal No. | Harness repair kit No. |
|---------------|--------------------------------------------------------------------------------------------------------------------|--------------|------------------------|
| F7            |  <p>TFA-033</p> <p>WI-11576</p>   | ALL          | TFA-033                |
| F19           |  <p>TFA-033</p> <p>WI-04717</p>   | ALL          | TFA-033                |
| F23           |  <p>TFA-033</p> <p>WI-11576</p> | ALL          | TFA-033                |
| F24           |  <p>TFA-018</p> <p>WI-06103</p> | ALL          | TFA-018                |
| F26           |  <p>TFA-032</p> <p>WI-06104</p> | ALL          | TFA-032                |

# Harness Repair Kit

WIRING SYSTEM

| Connector No. | Adaptive repair kit                                                                                 | Terminal No. | Harness repair kit No. |
|---------------|-----------------------------------------------------------------------------------------------------|--------------|------------------------|
| F102          |  <p>WI-06109</p>   | ALL          | TFA-018                |
| R47           |  <p>WI-06088</p>   | ALL          | TFA-019                |
| R58           |  <p>WI-11578</p> | ALL          | TFA-029                |
| R59           |  <p>WI-06095</p> | ALL          | TFA-029                |
| R68           |  <p>WI-06110</p> | ALL          | TFA-032                |

# Harness Repair Kit

WIRING SYSTEM

---