

1. Basic Diagnostic Procedure

A: BASIC PROCEDURES

1. GENERAL DESCRIPTION

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

2. IDENTIFICATION OF TROUBLE SYMPTOM

Determine what the problem is based on the symptom.

3. PROBABLE CAUSE OF TROUBLE

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

4. LOCATION AND REPAIR OF TROUBLE

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

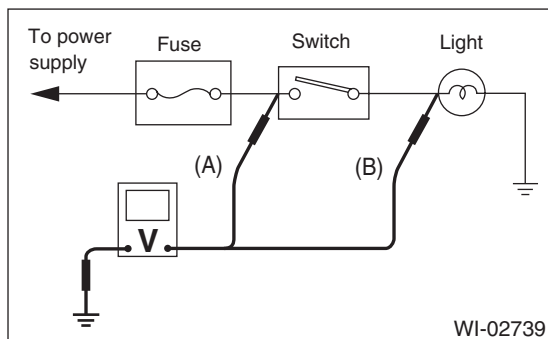
5. SYSTEM OPERATION CHECK

After repairing, ensure that the system operates properly.

B: BASIC INSPECTION

1. VOLTAGE MEASUREMENT

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

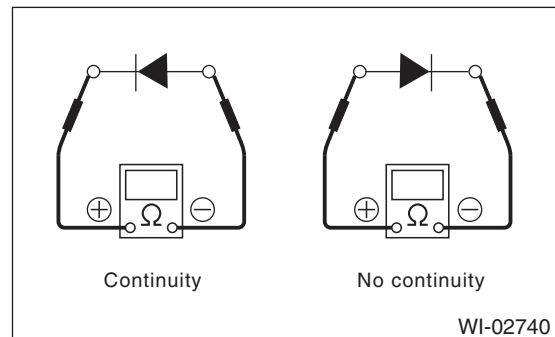


- 4) With the test set-up held as it is, turn the switch to ON. The voltmeter will indicate a voltage and, at the same time, the light will illuminate.

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

2. CIRCUIT CONTINUITY CHECKS

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



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

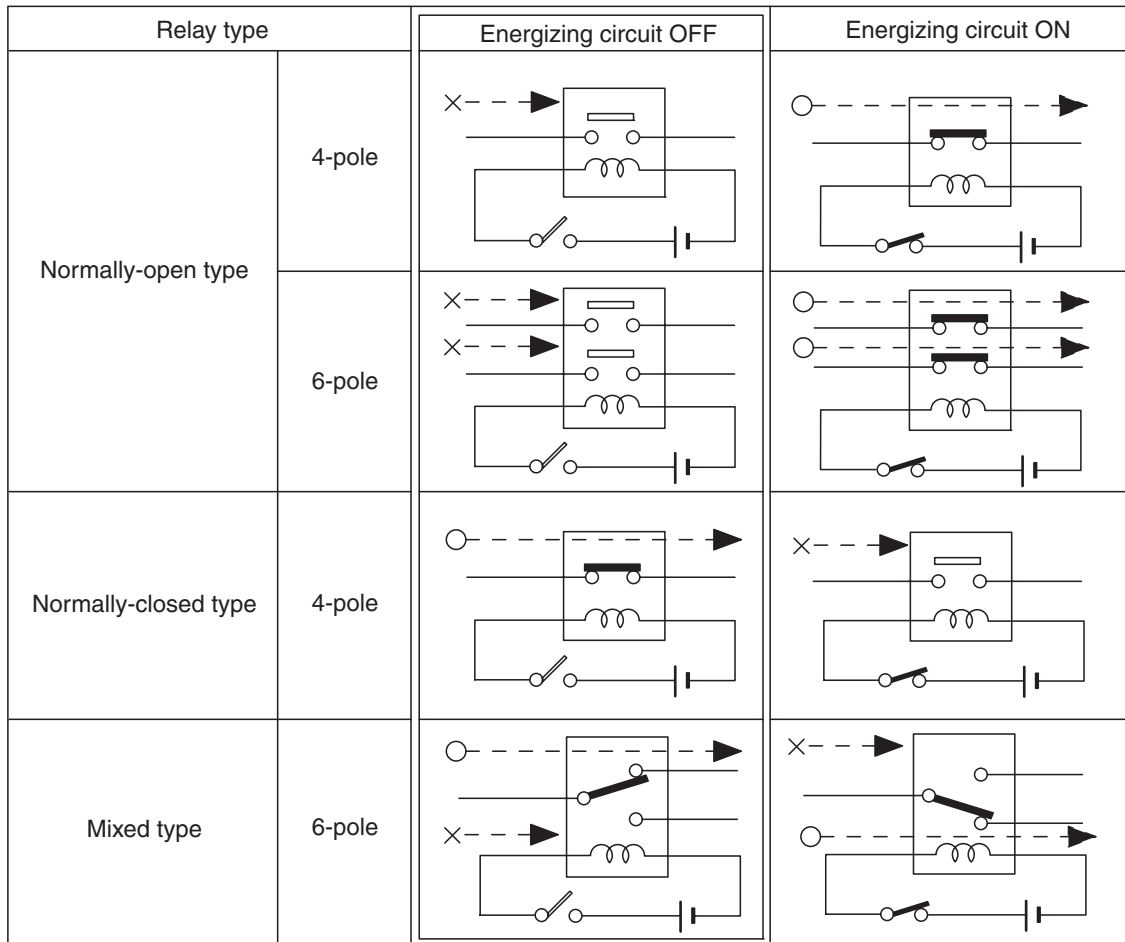
Terminal	1	2	3	4	5	6
Switch Position						
OFF						
1	○ — ○				○ — ○	
2	○ — ○			○ — ○		
3	○ — ○		○ — ○			○ — ○
4	○ — ○	○ — ○				○ — ○

WI-02741

Basic Diagnostic Procedure

WIRING SYSTEM

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



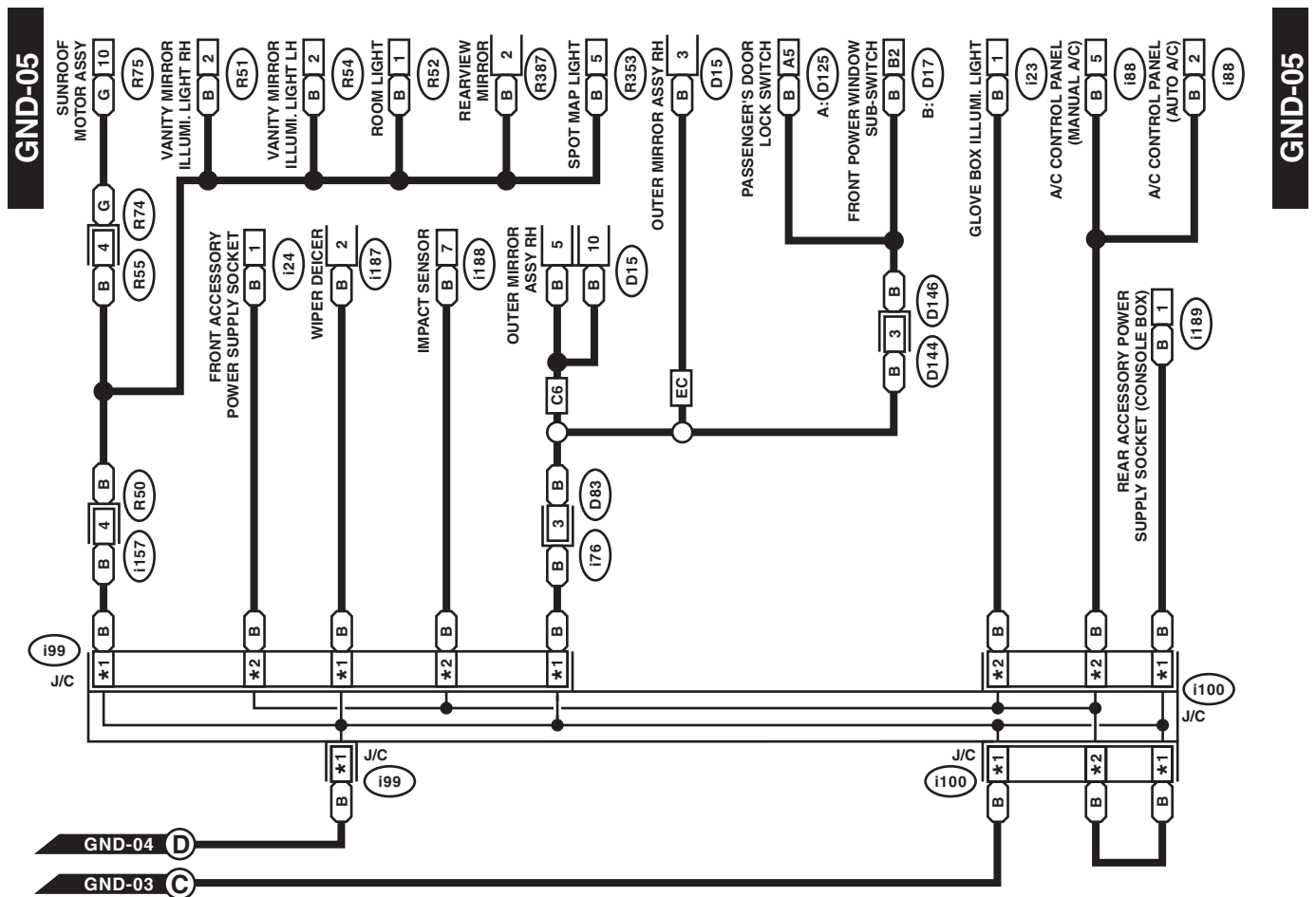
Key to symbols:

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

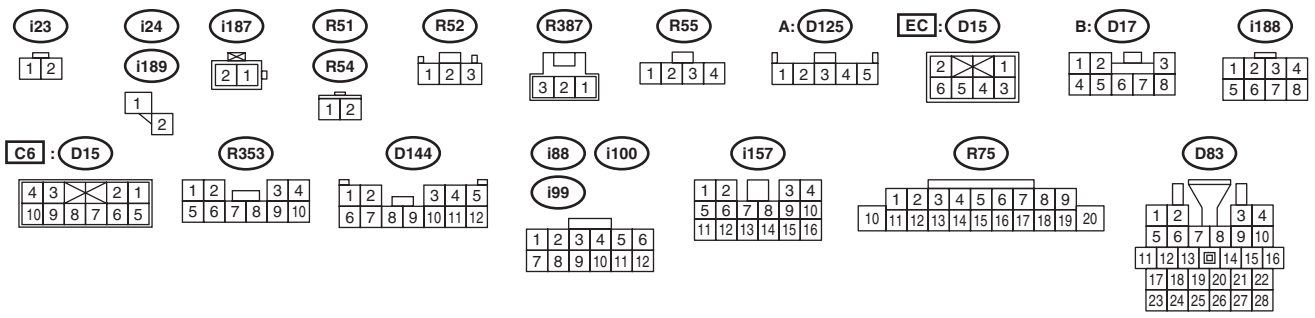
WI-16724

Ground Circuit

WIRING SYSTEM



C6 : C6 MODEL
EC : EXCEPT FOR C6 MODEL
***1** : TERMINAL No. OPTIONAL ARRANGEMENT AMONG 1, 2, 3, 4, 5 AND 6
***2** : TERMINAL No. OPTIONAL ARRANGEMENT AMONG 7, 8, 9, 10, 11 AND 12



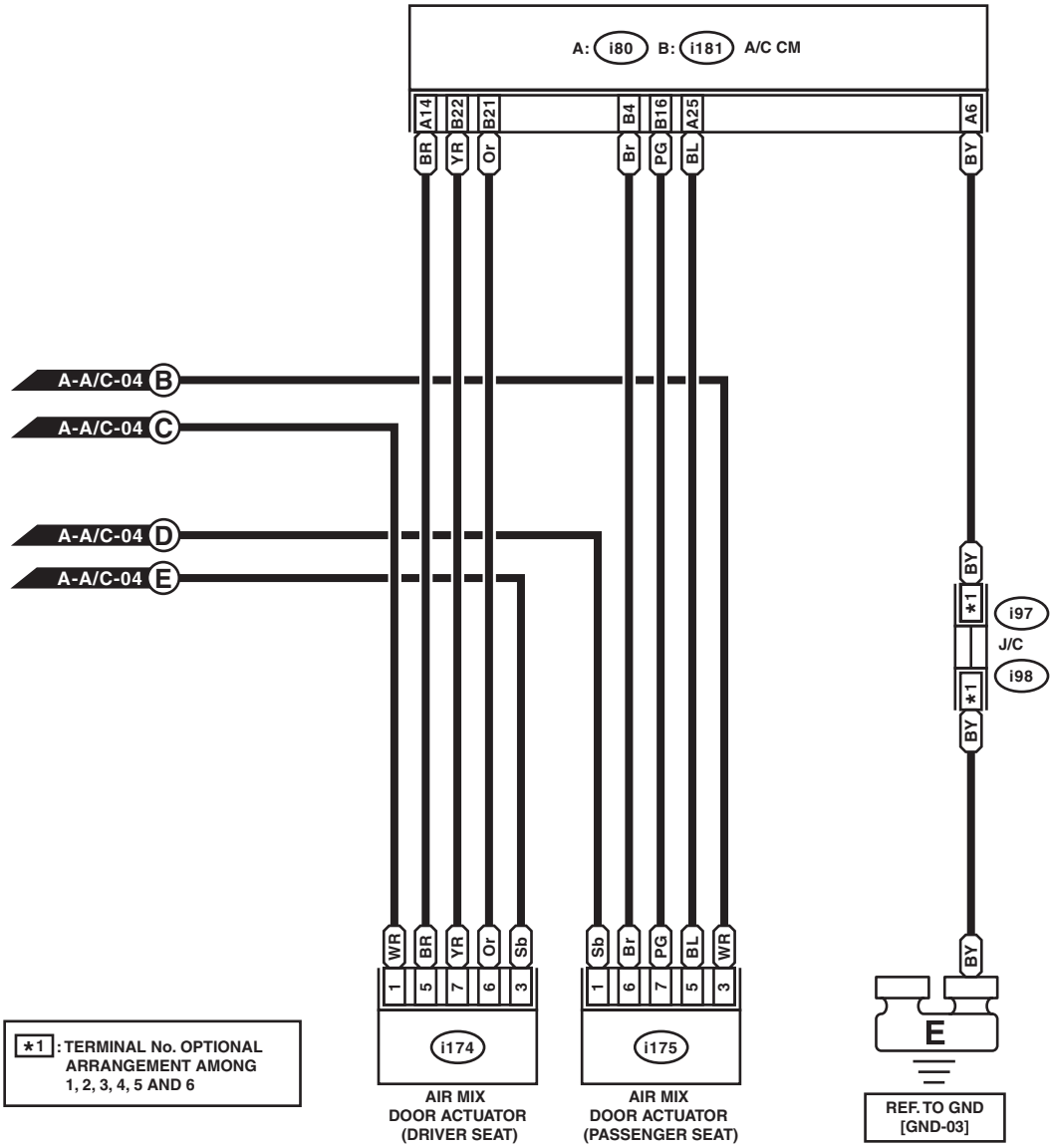
WI-25403

Air Conditioning System

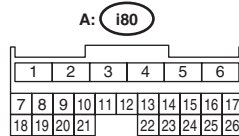
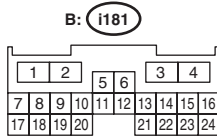
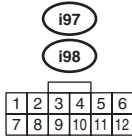
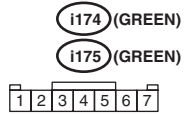
WIRING SYSTEM

A-A/C-05

A-A/C-05



*1 : TERMINAL No. OPTIONAL ARRANGEMENT AMONG 1, 2, 3, 4, 5 AND 6



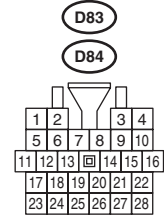
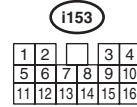
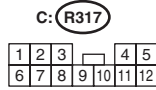
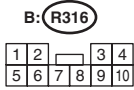
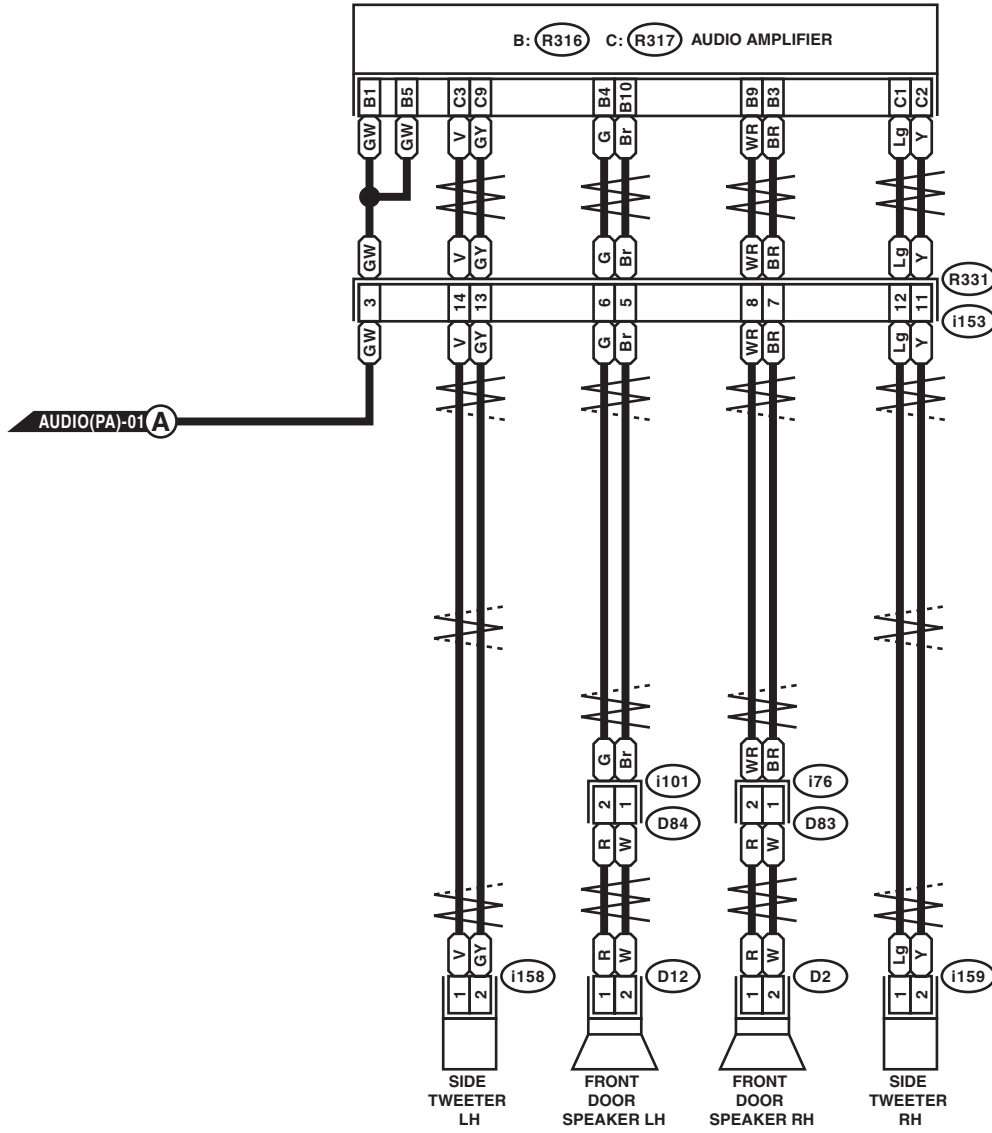
WI-25425

Audio System

WIRING SYSTEM

AUDIO(PA)-04

AUDIO(PA)-04



WI-25440

Coolant Temperature System

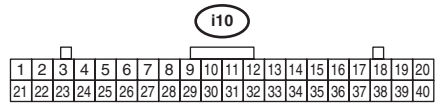
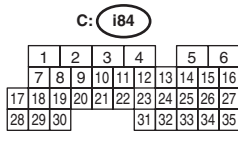
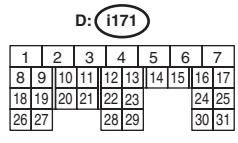
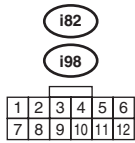
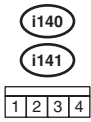
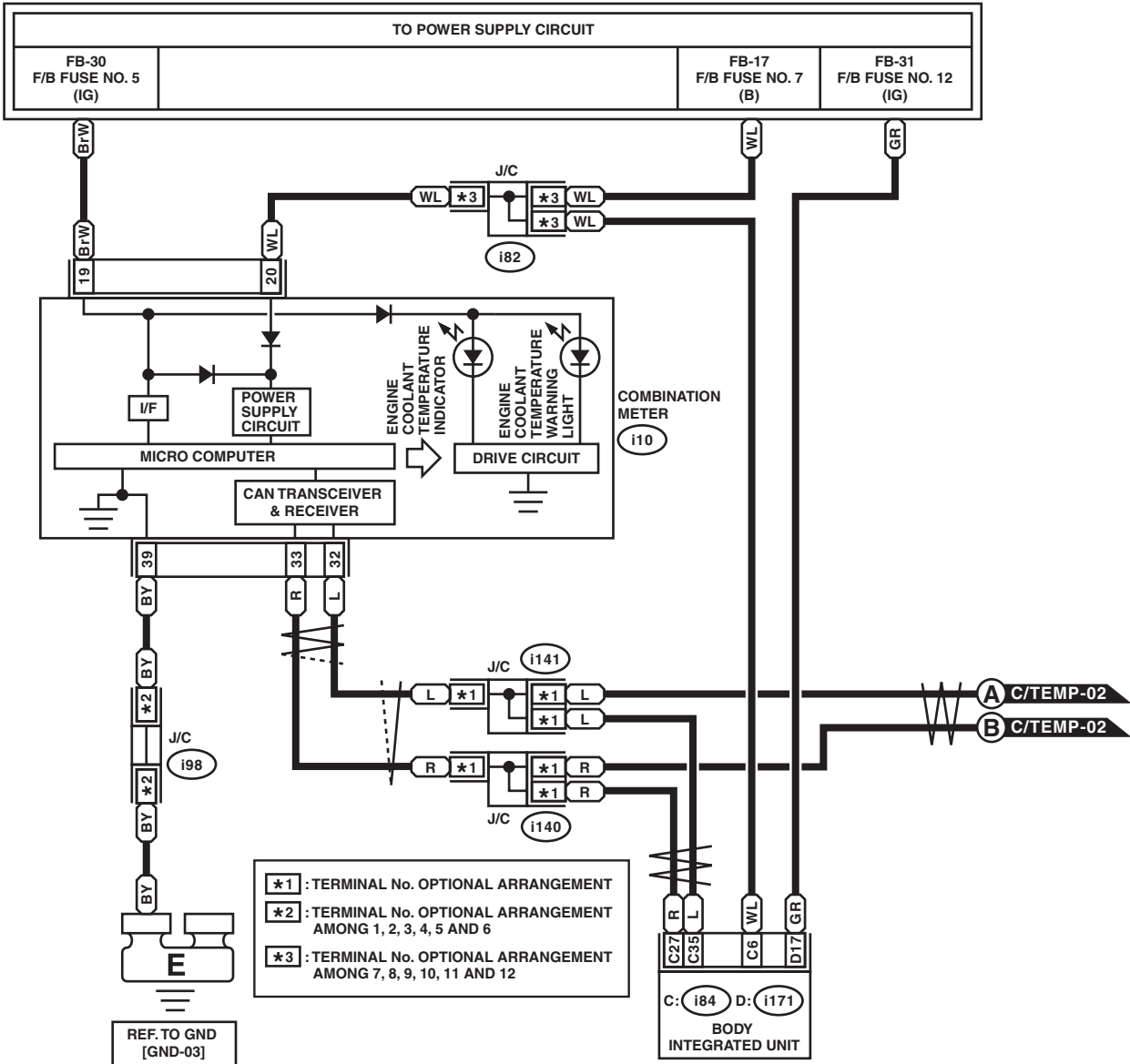
WIRING SYSTEM

16. Coolant Temperature System

A: WIRING DIAGRAM

C/TEMP-01

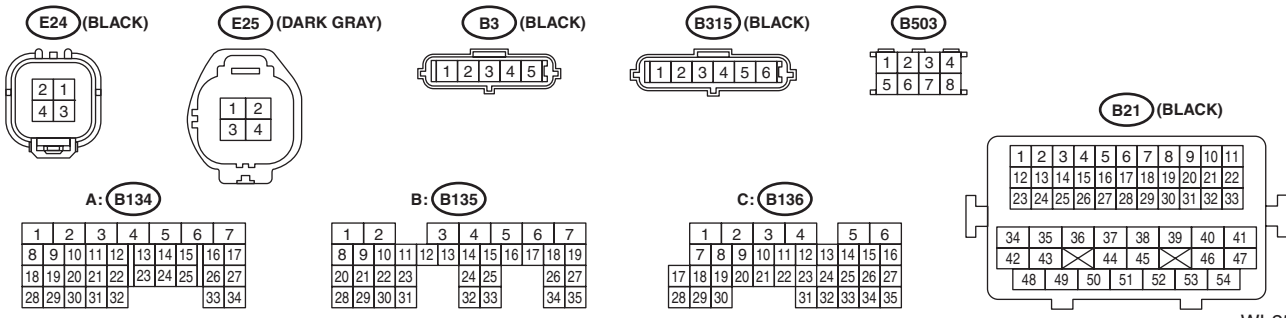
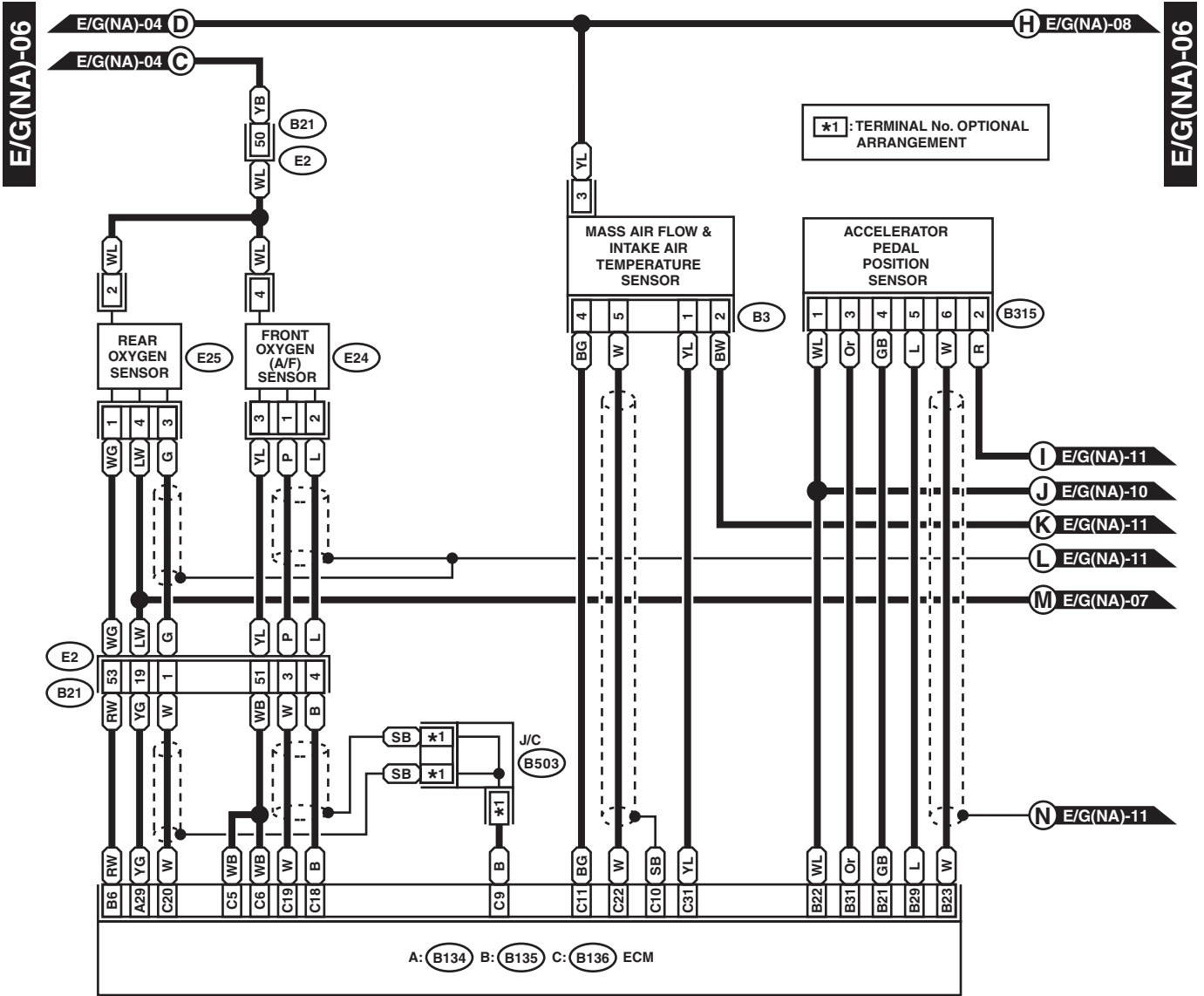
C/TEMP-01



WI-25462

Engine Electrical System

WIRING SYSTEM



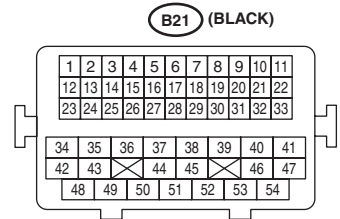
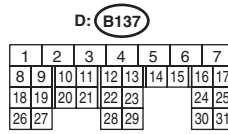
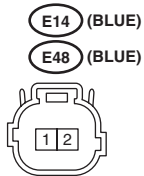
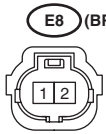
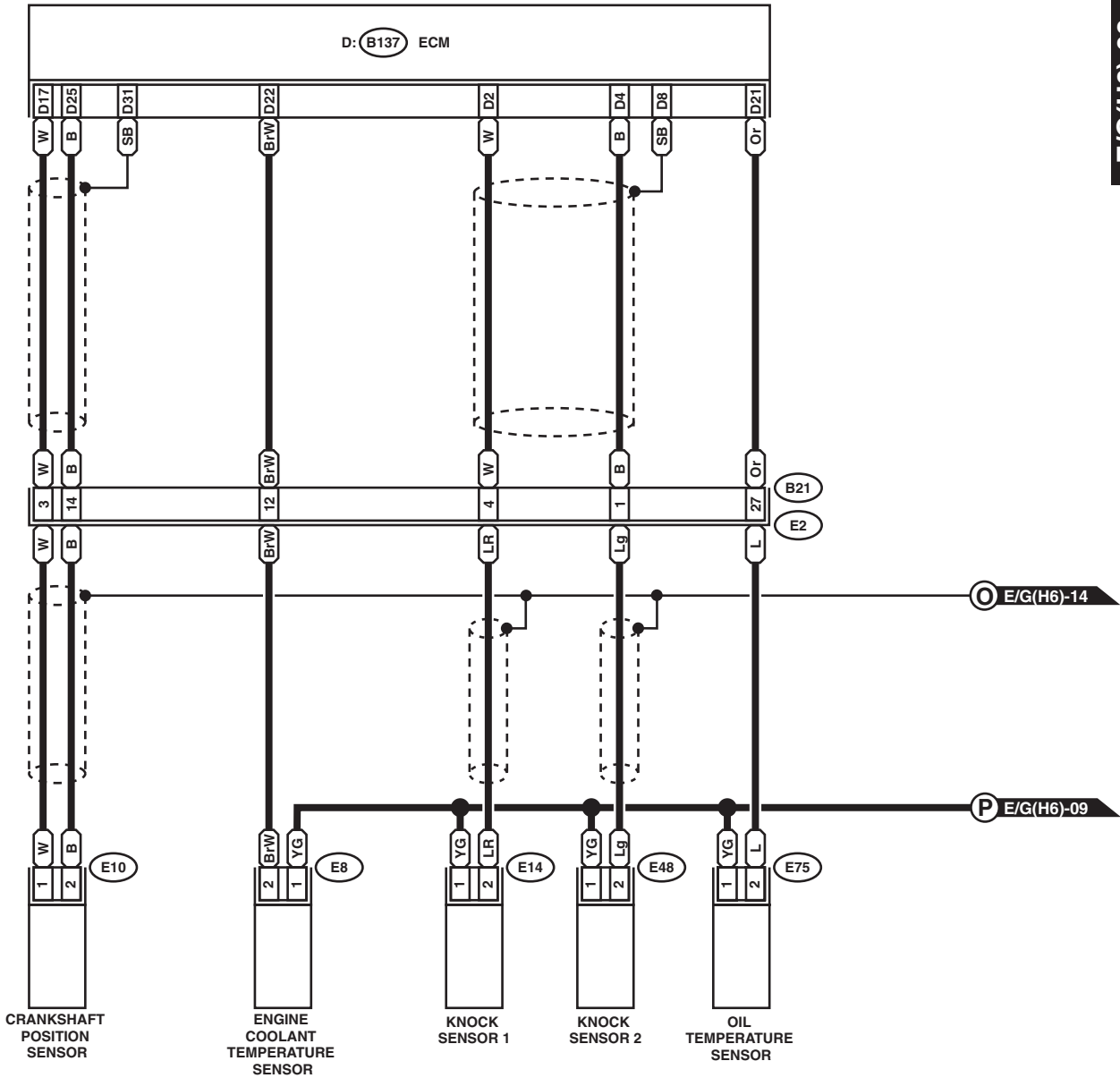
WI-25488

Engine Electrical System

WIRING SYSTEM

E/G(H6)-08

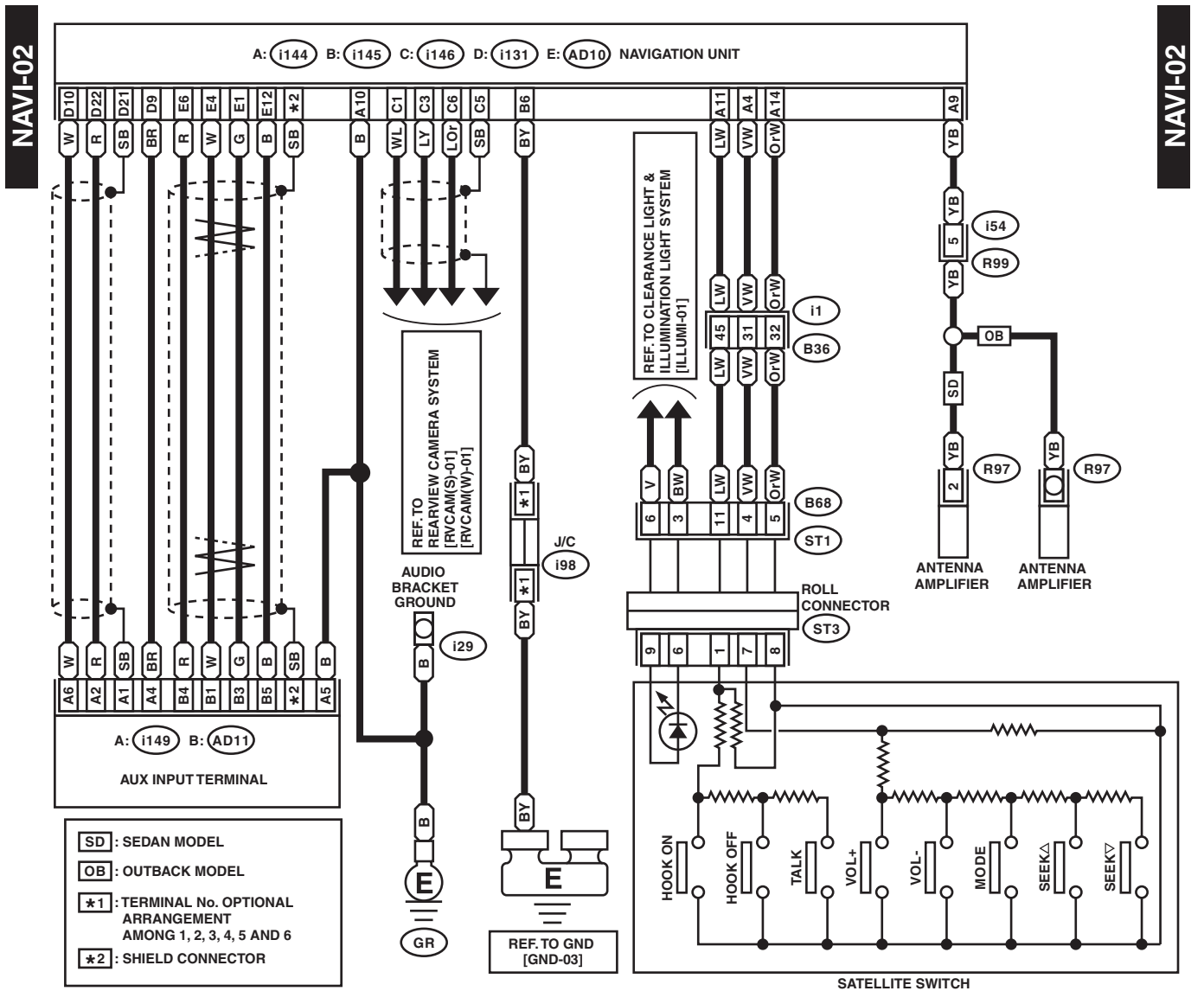
E/G(H6)-08



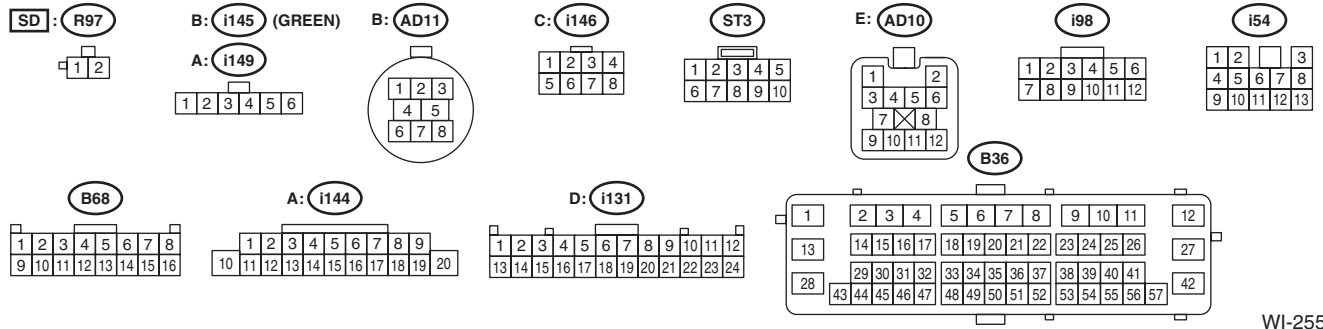
WI-25518

Navigation System

WIRING SYSTEM



NAVI-02



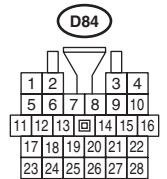
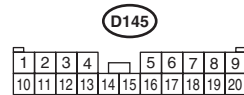
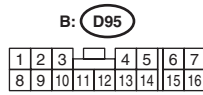
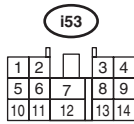
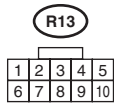
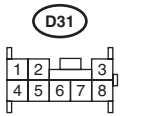
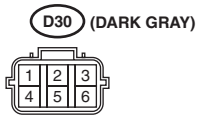
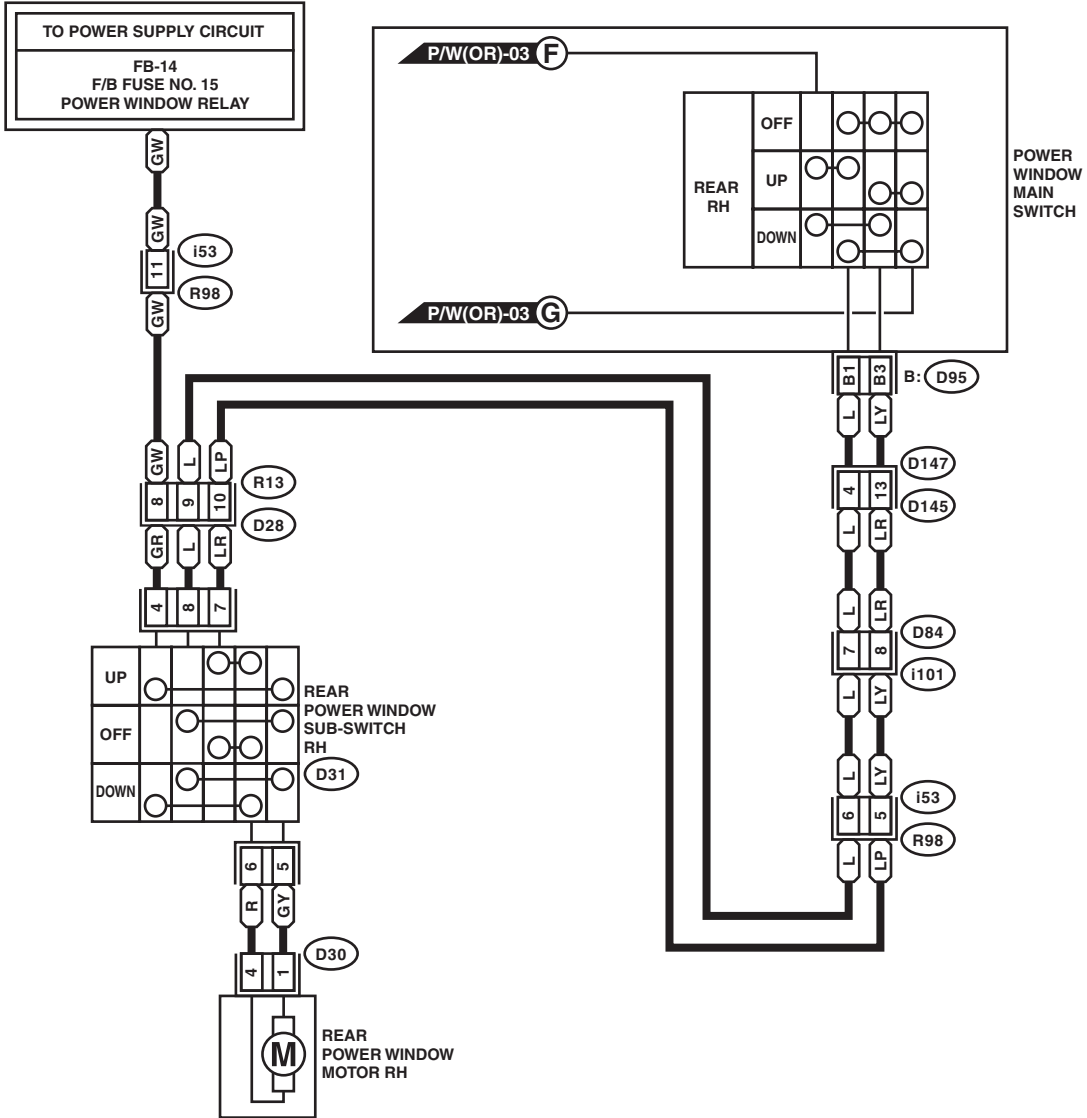
WI-25546

Power Window System

WIRING SYSTEM

P/W(OR)-04

P/W(OR)-04

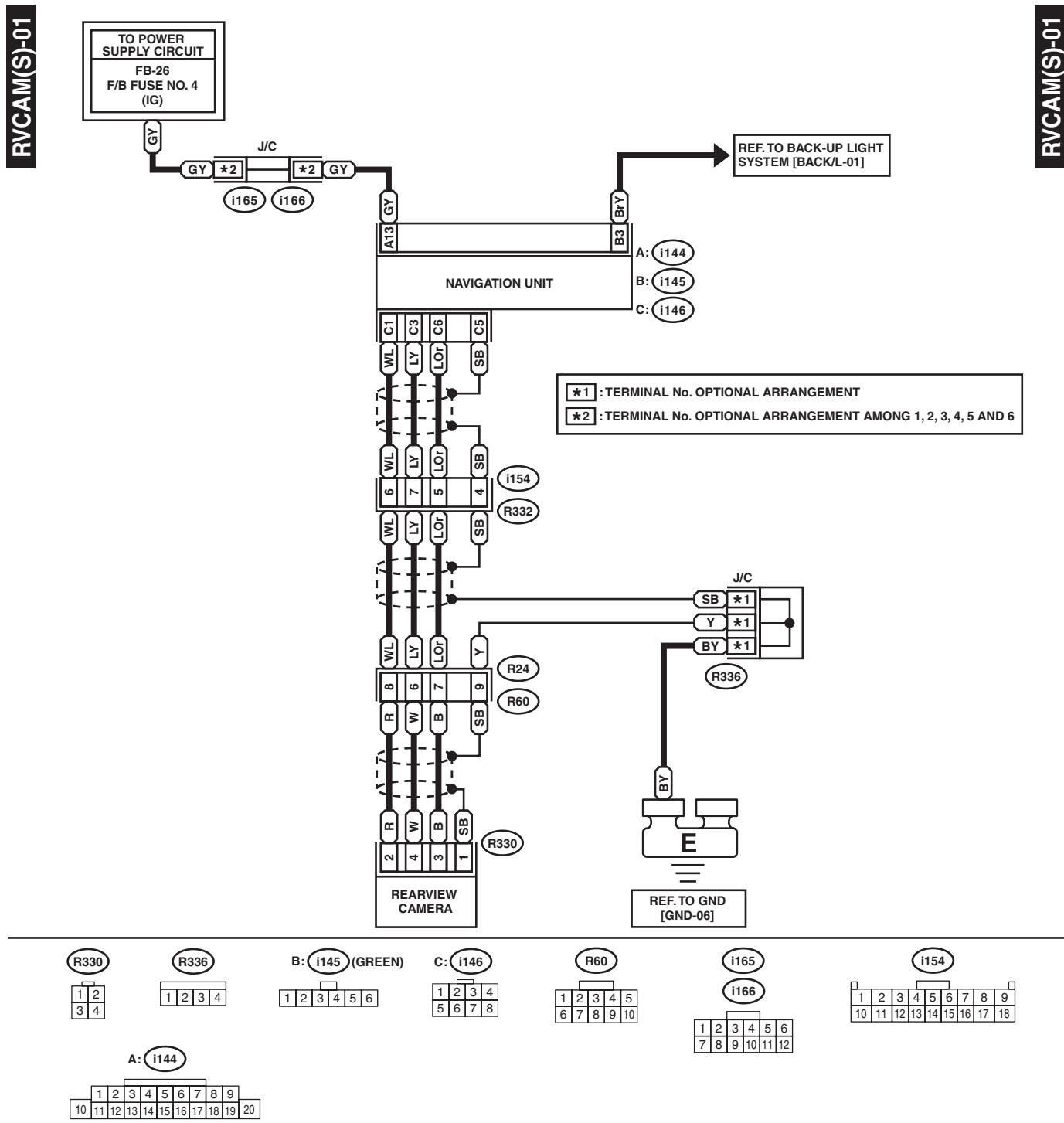


WI-25561

38.Rearview Camera System

A: WIRING DIAGRAM

1. SEDAN MODEL



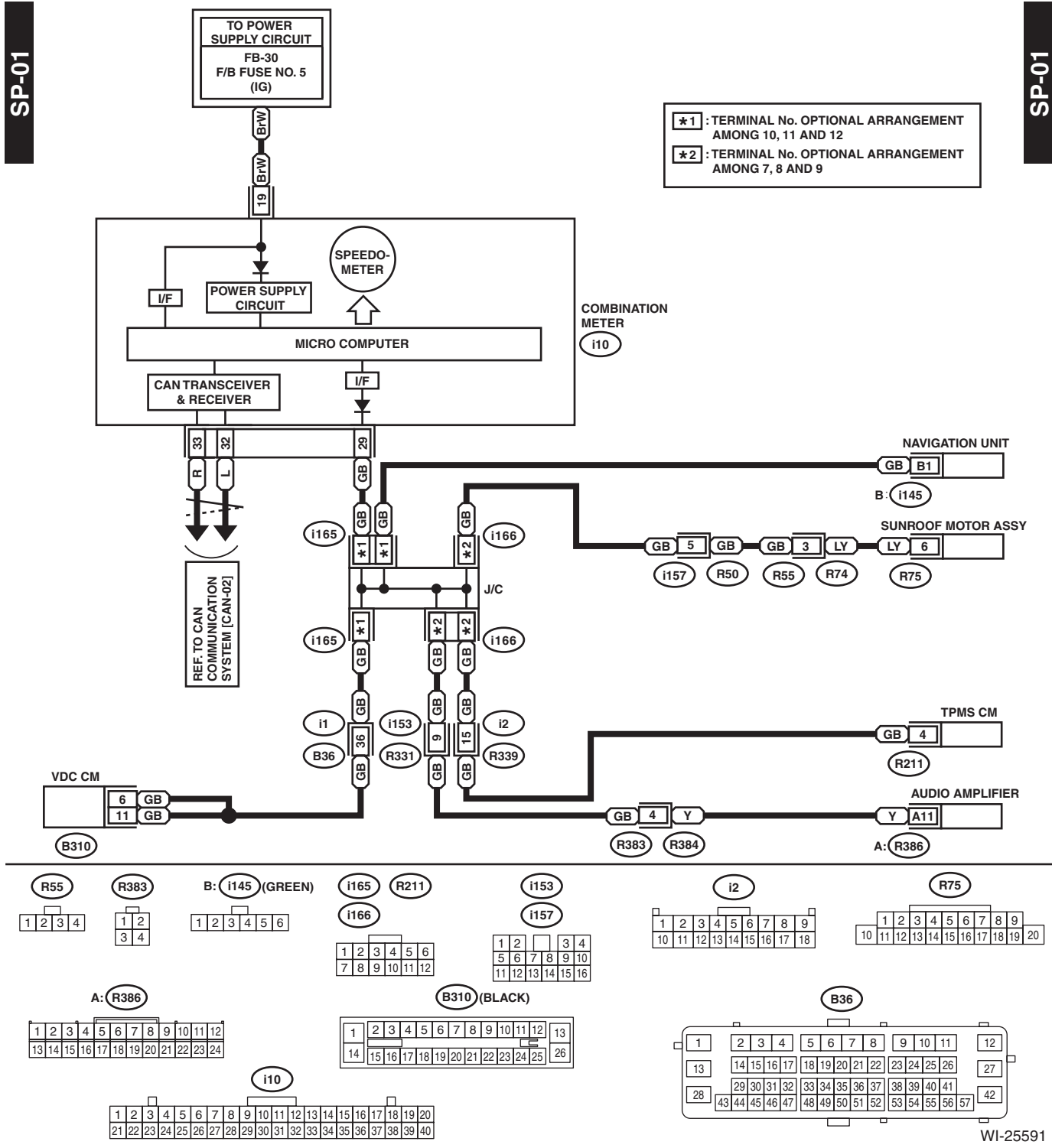
WI-25571

Speedometer System

WIRING SYSTEM

46.Speedometer System

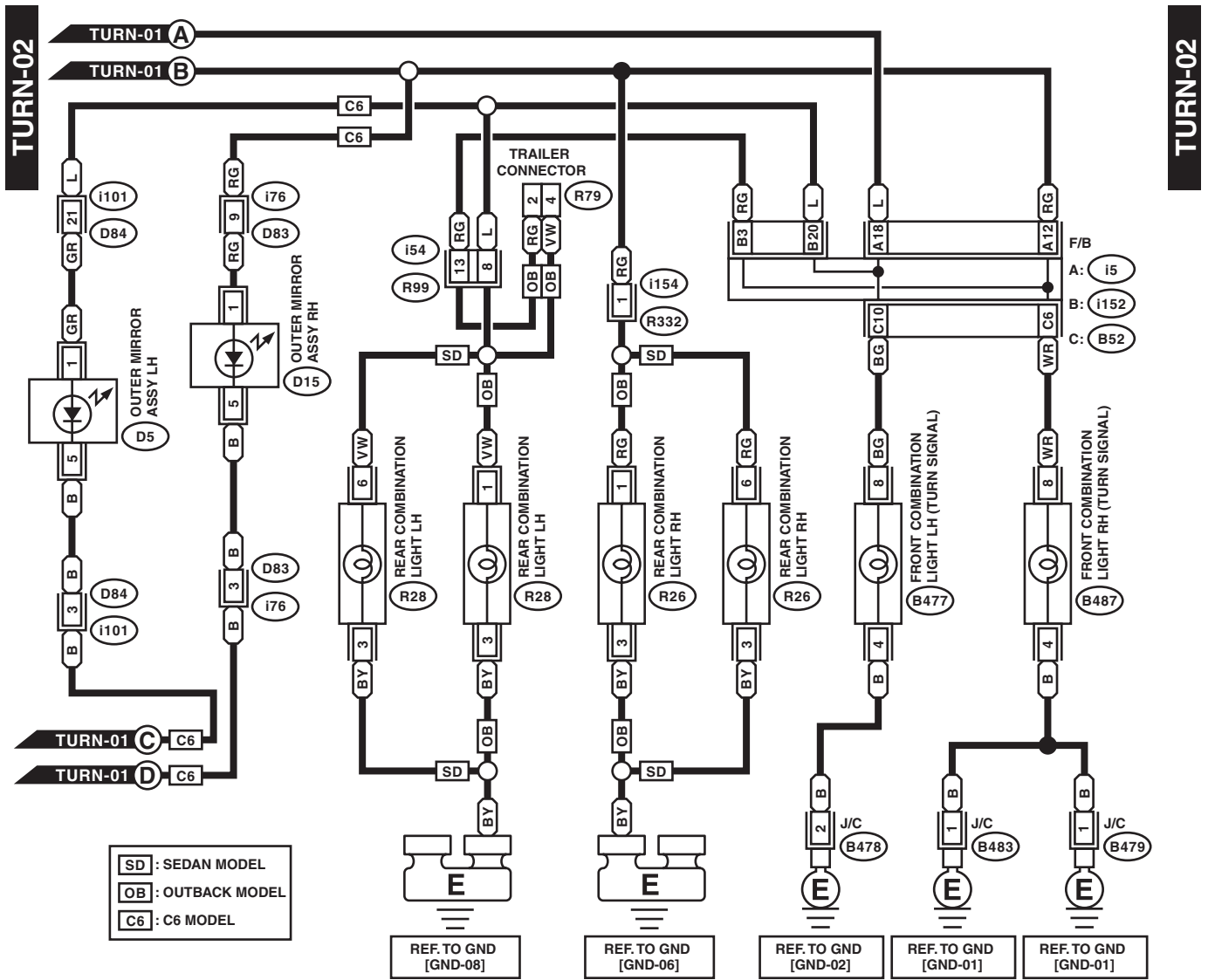
A: WIRING DIAGRAM



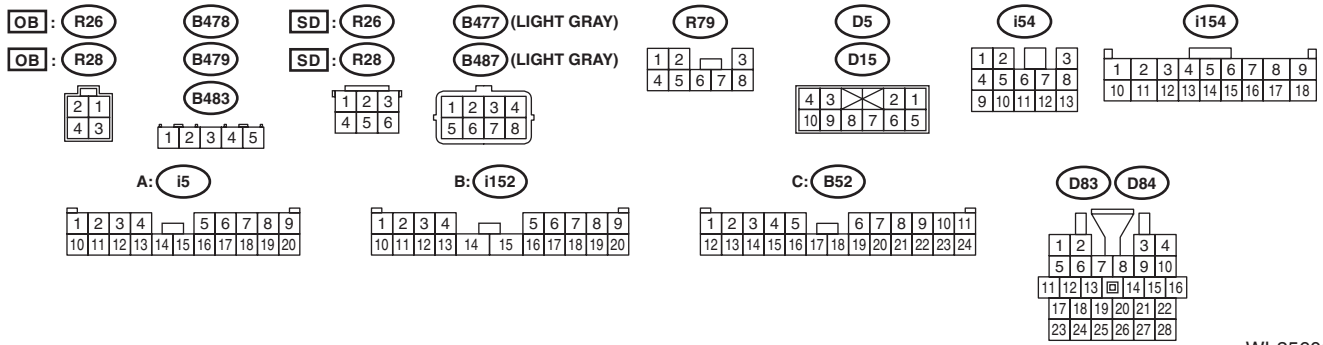
WI-25591

Turn Signal Light and Hazard Light System

WIRING SYSTEM



SD : SEDAN MODEL
 OB : OUTBACK MODEL
 C6 : C6 MODEL



WI-25601

Bulkhead Wiring Harness (In Compartment)

WIRING SYSTEM

3. 3.6 L MODEL

Connector				Connecting to	
No.	Pole	Color	Area	No.	Description
B36	57	★	B-1	i1	Instrument panel wiring harness
B38	19	★	B-5	i3	
B40	16	★	B-1		Data link connector
B41	2	Blue	B-1		Power window circuit breaker
B52	24	★	C-1		F/B
B54	35	★	B-2		TCM
B55	35	★	C-2		
B65	4	Black	B-2		Stop light & brake switch
B68	16	★	C-2		Roll connector
B70	18	★	C-2		Combination switch
B71	14	★	C-2		
B72	6	★	B-2		
B83	8	★	B-5		J/C
B116	8	★	C-3		AT select lever
B134	34	★	B-4		ECM
B135	35	★	B-4		
B136	35	★	B-4		
B137	31	★	C-4		
B138	8	★	B-5		J/C
B152	10	Gray	C-1		F/B
B158	8	★	C-2		
B159	9	Brown	C-2		
B180	4	★	C-1		Remote engine start CM
B220	21	★	B-5		IG relay
					Fuel pump relay
					Main relay
					A/F, oxygen sensor relay
					Electronic throttle control relay
B231	5	★	C-2		Steering angle sensor
B280	34	★	B-2		Body integrated unit
B281	35	★	B-2		
B315	6	Black	B-3		Accelerator pedal position sensor
B350	6	Light gray	C-3		Key warning switch and key lock solenoid
B358	2	★	C-3		AT select lever illumination
B415	2	★	C-3		Immobilizer antenna
B491	5	★	B-1		J/C
B493	4	Black	C-2		Starter relay
B495	10	Gray	C-4	AB1	Airbag wiring harness
B498	4	Black	C-1		Inhibitor relay
B499	4	Black	C-1		Back-up light relay
B503	8	★	C-5		J/C
B512	8	★	B-2		
B513	2	Blue	B-3		Stop light condenser
B514	2	Blue	B-3		Stop light register
B516	2	★	B-1	B517	Bulkhead wiring harness
B517	2	★	B-1	B516	
B518	20	★	B-4		Security CM

★ : White or natural color