

### 3. General Description

#### A: CAUTION

##### 1. SUPPLEMENTAL RESTRAINT SYSTEM “AIRBAG”

Airbag system wiring harness is routed near the ABS wheel speed sensor and ABSCM&H/U.

##### CAUTION:

- All airbag system wiring harness and connectors are colored yellow. Do not use the electrical test equipment on these circuits.
- Be careful not to damage the airbag system wiring harness when servicing the ABS wheel speed sensor and ABSCM&H/U.

#### B: INSPECTION

Before performing diagnosis, check the following item which might affect ABS problems.

##### 1. BATTERY

Measure the battery voltage and check electrolyte.

##### **Standard voltage:**

**12 V or more**

##### **Specific gravity:**

**1.260 or more**

##### 2. GROUND

Check the tightness of ABS ground (B302) bolt.

##### 3. BRAKE FLUID

- 1) Check the brake fluid level.
- 2) Check the brake fluid for leaks.

##### 4. HYDRAULIC UNIT

Check the hydraulic unit.

- When using the brake tester <Ref. to ABS-9, CHECKING THE HYDRAULIC UNIT ABS OPERATION WITH THE BRAKE TESTER, INSPECTION, ABS Control Module and Hydraulic Control Unit (ABSCM&H/U).>
- When not using the brake tester <Ref. to ABS-9, CHECKING THE HYDRAULIC UNIT ABS OPERATION BY PRESSURE GAUGE, INSPECTION, ABS Control Module and Hydraulic Control Unit (ABSCM&H/U).>

##### 5. BRAKE DRAG

Check for brake drag.

##### 6. BRAKE PAD AND ROTOR

Check the brake pad and rotor.

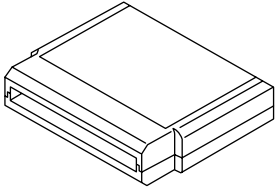
- Front <Ref. to BR-16, INSPECTION, Front Brake Pad.> <Ref. to BR-17, INSPECTION, Front Disc Rotor.>
- Rear <Ref. to BR-21, INSPECTION, Rear Brake Pad.> <Ref. to BR-22, INSPECTION, Rear Disc Rotor.>

##### 7. TIRE

Check the tire specifications, tire wear and air pressure. <Ref. to WT-2, SPECIFICATION, General Description.>

## C: PREPARATION TOOL

### 1. SPECIAL TOOL

| ILLUSTRATION                                                                                          | TOOL NUMBER | DESCRIPTION               | REMARKS                                    |
|-------------------------------------------------------------------------------------------------------|-------------|---------------------------|--------------------------------------------|
|  <p>ST18482AA010</p> | 18482AA010  | CARTRIDGE                 | Troubleshooting for the electrical system. |
|  <p>ST22771AA030</p> | 22771AA030  | SUBARU SELECT MONITOR KIT | Troubleshooting for the electrical system. |

### 2. GENERAL TOOL

| TOOL NAME      | REMARKS                                             |
|----------------|-----------------------------------------------------|
| Circuit tester | Used for measuring resistance, voltage and current. |
| Oscilloscope   | Used for measuring the sensor.                      |