

# General Description

## PARKING BRAKE (DIAGNOSTICS)

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### 3. General Description

#### A: CAUTION

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

Airbag system wiring harness is routed near the parking brake switch, hill hold switch and parking brake control module.

##### CAUTION:

- Do not use electrical test equipment on the airbag system circuits.
- Be careful not to damage the airbag system wiring harness, when servicing the parking brake switch, hill hold switch and parking brake control module.

#### B: INSPECTION

Before performing diagnosis, inspect the following items which may influence parking brake system problems.

##### 1. BATTERY

Measure the battery voltage and specific gravity of the electrolyte.

##### *Standard voltage:*

12 V or more

##### *Specific gravity:*

1.260 or more

##### 2. GROUND

Check the tightening torque of ground (GB-9 and 10) bolts of the parking brake system.

##### *Tightening torque:*

13 N·m (1.3 kgf-m, 9.6 ft-lb)

##### 3. BRAKE DRAG

Check for brake drag.

##### 4. PARKING BRAKE ASSEMBLY

Check and adjust the parking brake assembly.

- Check the disc rotor inner diameter and lining thickness. <Ref. to PB-14, INSPECTION, Parking Brake Assembly (Rear Disc Brake).>
- Adjust the shoe clearance. <Ref. to PB-14, ADJUSTMENT, Parking Brake Assembly (Rear Disc Brake).>

##### 5. TIRE

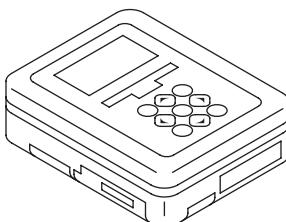
Check the tire specifications, tire wear and air pressure. <Ref. to WT-2, SPECIFICATION, General Description.>

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PARKING BRAKE (DIAGNOSTICS)

### C: PREPARATION TOOL

#### 1. SPECIAL TOOL

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 ST1B022XU0	1B022XU0	SUBARU SELECT MONITOR III KIT	Used for troubleshooting the electrical system.

#### 2. GENERAL TOOL

TOOL NAME	REMARKS
Circuit tester	Used for measuring resistance, voltage and current.