

### 3. General Description

#### A: CAUTION

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

The airbag system wiring harness is routed near the TCM.

##### CAUTION:

- The airbag system wiring harnesses and connectors are colored yellow. Do not use an electric test equipment to check these circuits.
- Be careful not to damage the airbag system wiring harness when performing TCM diagnostics or servicing.

#### 2. MEASUREMENT

When measuring the voltage and resistance of the ECM, TCM or each sensor, use a tapered pin with a diameter of less than 0.64 mm (0.025 in) in order to avoid poor contact. Do not insert a pin of more than 0.65 mm (0.026 in) diameter.

#### B: INSPECTION

##### 1. BATTERY

Measure the battery voltage and specific gravity of the electrolyte.

**Standard voltage: 12 V or more**

**Specific gravity: 1.260 or more**

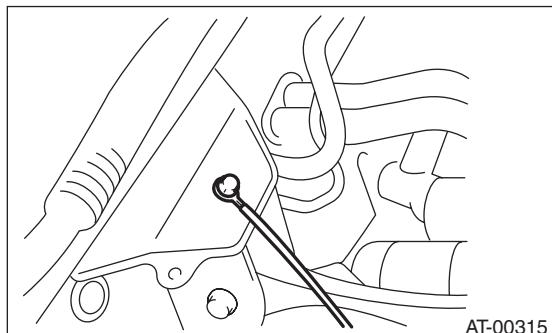
##### 2. TRANSMISSION GROUND

Check that the ground terminal bolt is tightened securely.

Chassis side

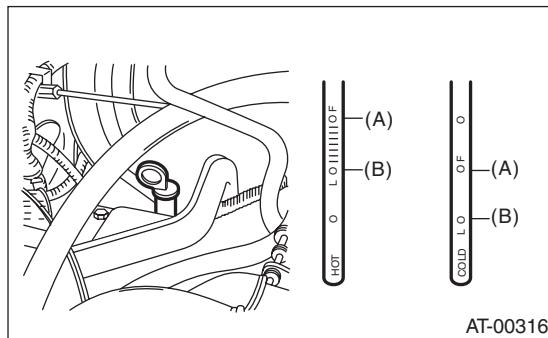
**Tightening torque:**

**13 N·m (1.3 kgf·m, 9.4 ft-lb)**



### 3. ATF LEVEL

Check that the ATF level is at the specified amount. <Ref. to 4AT-28, INSPECTION, Automatic Transmission Fluid.>

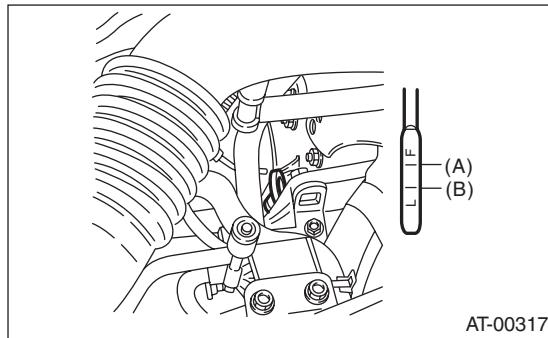


(A) Upper level

(B) Lower level

### 4. FRONT DIFFERENTIAL OIL LEVEL

Check the front differential oil level is the specified amount. <Ref. to 4AT-30, INSPECTION, Differential Gear Oil.>



(A) Upper level

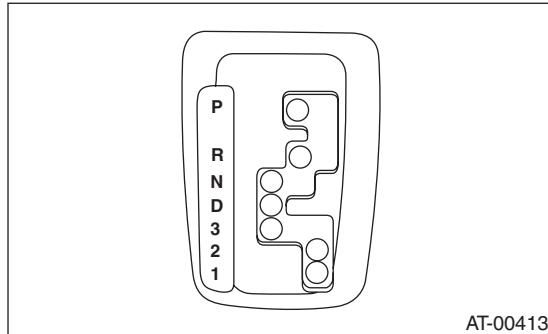
(B) Lower level

### 5. OPERATION OF SELECT LEVER

Check there is no noise, dragging or contact pattern in each select lever range.

##### WARNING:

**Stop the engine while checking operation of the select lever.**

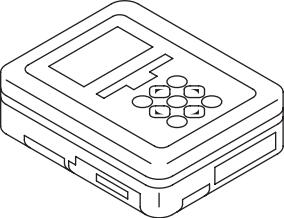


# General Description

AUTOMATIC TRANSMISSION (DIAGNOSTICS)

## C: PREPARATION TOOL

### 1. SPECIAL TOOL

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 ST1B021XU0	1B021XU0	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.
Oscilloscope	Used for measuring the sensor.