# 3. General Description

## A: CAUTION

• Supplemental Restraint System "Airbag"
The airbag system wiring harness is routed near

the TCM.

#### **CAUTION:**

- All 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 diagnostics or servicing the TCM.

#### 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

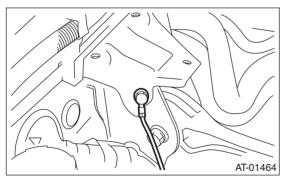
Measure the battery voltage and specific gravity of the electrolyte.

Standard voltage: 12 V or more Specific gravity: 1.260 or more

#### 2. TRANSMISSION GROUND

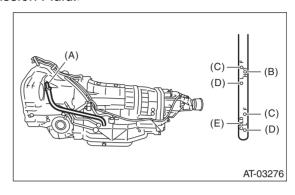
Make sure that the ground terminal bolt is tightened securely.

# Tightening torque: 13 N·m (1.3 kgf-m, 9.4 ft-lb)



## 3. ATF LEVEL

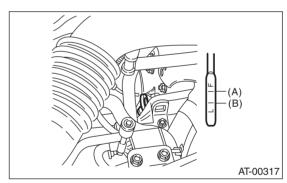
Make sure that ATF level is the specified amount. <Ref. to 5AT-26, INSPECTION, Automatic Transmission Fluid.>



- (A) Level gauge
- (B) Inspection position when "HOT"
- (C) Upper level
- (D) Lower level
- (E) Inspection position when "COLD"

#### 4. FRONT DIFFERENTIAL OIL LEVEL

Make sure the front differential oil level is the specified amount. <Ref. to 5AT-28, INSPECTION, Differential Gear Oil.>



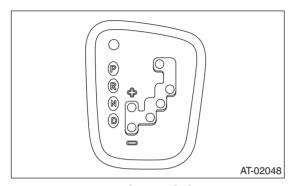
- (A) Upper level
- (B) Lower level

# 5. OPERATION OF SHIFT SELECT LEVER

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

#### **WARNING:**

Stop the engine while checking operation of the select lever.



# **C: PREPARATION TOOL**

## 1. SPECIAL TOOL

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
ST18482AA010	18482AA010	CARTRIDGE	Troubleshooting for electrical system.
ST22771AA030	22771AA030	SUBARU SELECT MONITOR KIT	Troubleshooting for electrical system.

# 2. GENERAL TOOL

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