

3. General Description

S004001

A: CAUTION

S004001A03

● Supplemental Restraint System “Airbag”

Airbag system wiring harness is routed near the transmission control module (TCM).

CAUTION:

- All airbag system wiring harness and connectors are colored yellow. Do not use electrical test equipment on these circuit.
- Be careful not to damage airbag system wiring harness when performing diagnostics and servicing the TCM.

● Measurement

When measuring 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 the pin more than 5 mm (0.20 in).

B: INSPECTION

S004001A10

1. BATTERY

S004001A1001

Measure battery voltage and specific gravity of electrolyte.

Standard voltage: 12V or more

Specific gravity: Above 1.260

2. TRANSMISSION GROUND

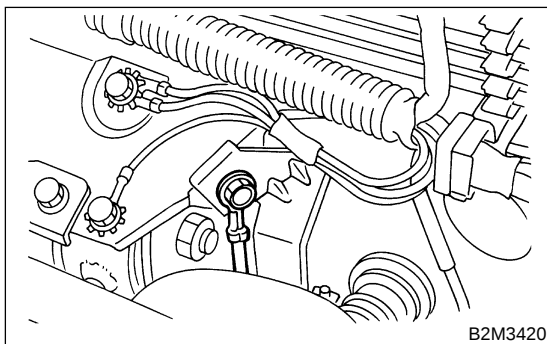
S004001A1002

Make sure that the ground terminal bolt is tightened securely.

● Chassis side

Tightening torque:

13±3 N·m (1.3±0.3 kgf-m, 9.4±2.2 ft-lb)

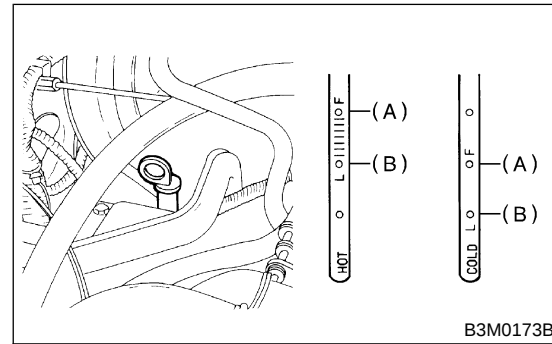


B2M3420

3. ATF LEVEL

S004001A1003

Make sure that ATF level is in the specification.



B3M0173B

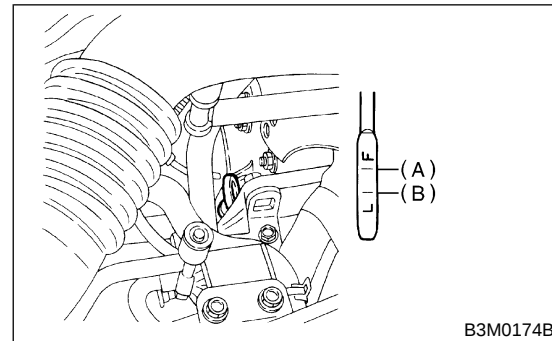
(A) Upper level

(B) Lower level

4. FRONT DIFFERENTIAL OIL LEVEL

S004001A1004

Make sure that front differential oil level is in the specification.



B3M0174B

(A) Upper level

(B) Lower level

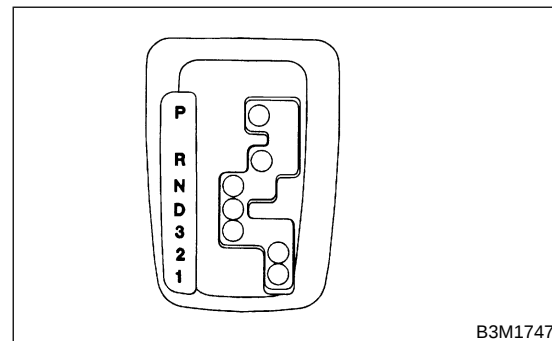
5. OPERATION OF SHIFT SELECT LEVER

S004001A1005

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

WARNING:

Stop the engine while checking operation of selector lever.



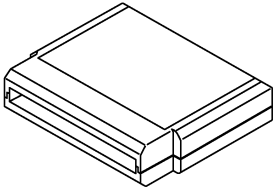
B3M1747

GENERAL DESCRIPTION

Automatic Transmission (DIAGNOSTICS)

C: PREPARATION TOOL S004001A17

1. SPECIAL TOOLS S004001A1701

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 B2M3876	24082AA150	CARTRIDGE	Troubleshooting for electrical systems.
 B2M3877	22771AA030	SELECT MONITOR KIT	Troubleshooting for electrical systems. - English: 22771AA030 (Without printer) - German: 22771AA070 (Without printer) - French: 22771AA080 (Without printer) - Spanish: 22771AA090 (Without printer)

2. GENERAL PURPOSE TOOLS S004001A1702

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