

General Description

CONTINUOUSLY VARIABLE TRANSMISSION (DIAGNOSTICS)

3. General Description

A: CAUTION

1) 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.

2) When measuring the voltage or resistance of individual sensor or all electrical control modules, use a tapered pin with a diameter of 0.6 mm (0.024 in) or less and touch it to the tip of terminal. Never insert the tapered pin into the terminal because it deforms inside which may lead to malfunction.

CAUTION:

If a pin (or similar) was inserted in TCM connector, replace the TCM connector.

3) The TCM connector is waterproof. When measuring the TCM connector terminal voltage, or the resistance between the terminals, use the ST.

ST 18460AA040 CHECK BOARD

B: INSPECTION

1. BATTERY

Measure the battery voltage and specific gravity of the electrolyte.

Standard voltage: 12 V or more

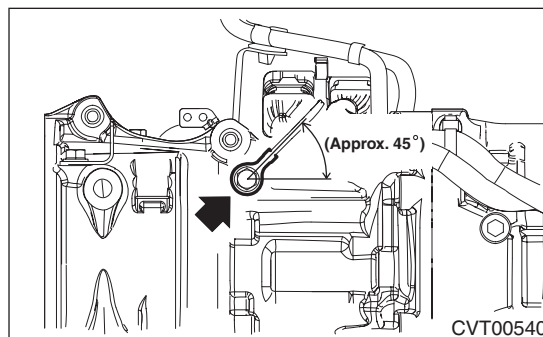
Specific gravity: 1.260 or more

2. TRANSMISSION GROUND

Make sure that the ground terminal bolt is tightened securely.

Tightening torque:

16 N·m (1.6 kgf-m, 11.8 ft-lb)



3. OPERATION OF SHIFT SELECT LEVER

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

WARNING:

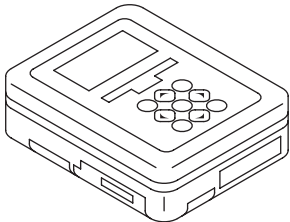
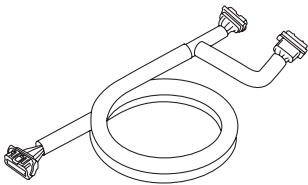
Stop the engine while checking operation of the select lever.

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C: PREPARATION TOOL

1. SPECIAL TOOL

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 ST1B022XU0	1B022XU0	SUBARU SELECT MONITOR III KIT	Used for troubleshooting the electrical system.
 ST18460AA040	18460AA040 (Newly adopted tool)	CHECK BOARD	Used for measuring the TCM terminal voltage.

2. GENERAL TOOL

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