

General Description

ABS

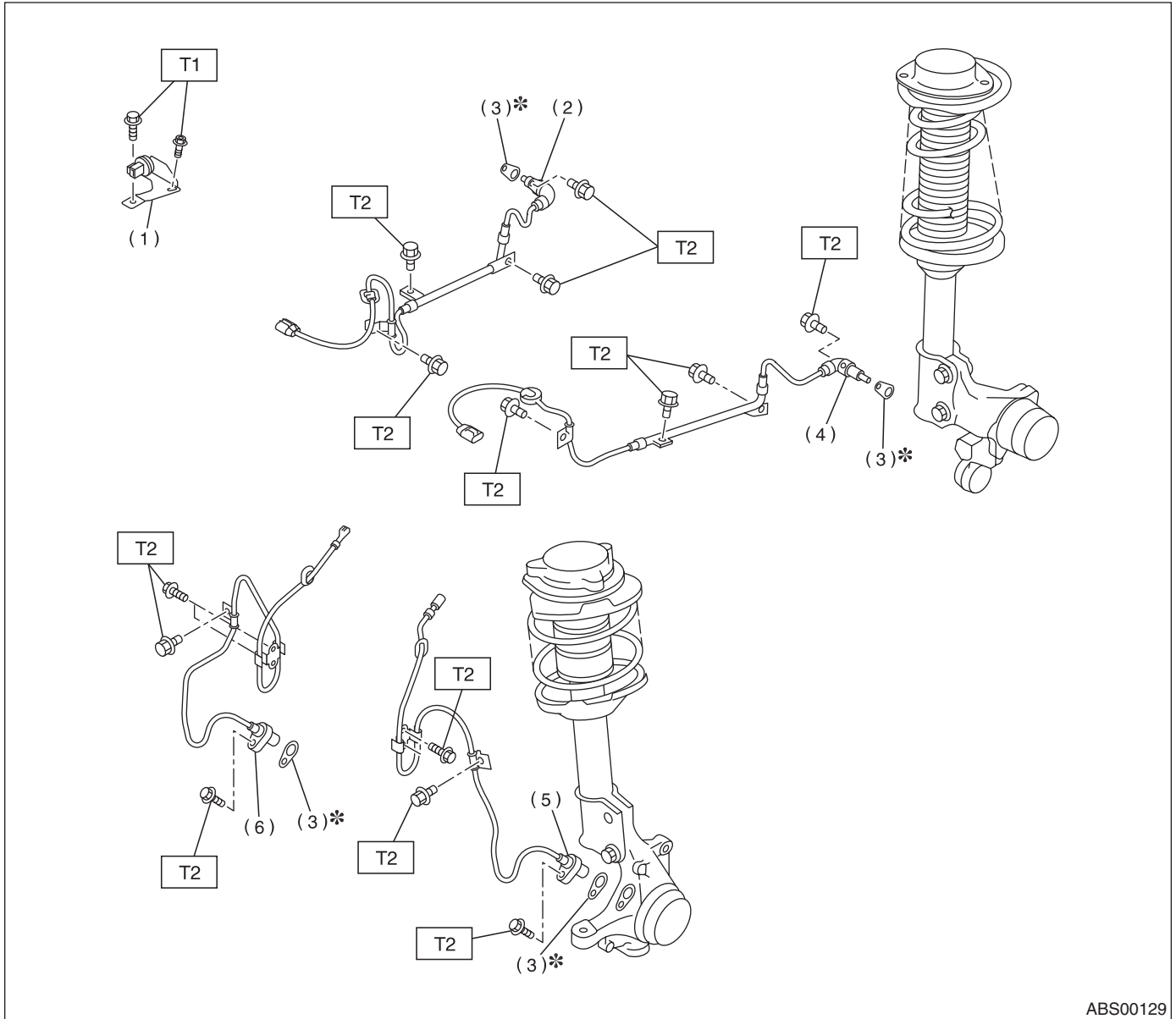
1. General Description

A: SPECIFICATION

Item				Specification	
ABS wheel speed sensor	ABS wheel speed sensor gap		Front	0.3 — 0.8 mm (0.012 — 0.031 in)	
			Rear	0.7 — 1.2 mm (0.028 — 0.047 in)	
	ABS wheel speed sensor resistance		Front	1.25±0.25 kΩ	
			Rear	1.15±0.115 kΩ	
	Identifications of harness (Colors)	Front	RH	Light blue	
			LH	Brown	
		Rear	RH	White	
			LH	Yellow	
G sensor	G sensor voltage			2.3± 0.2 V	
ABSCM & H/U identification			AT	L6	
			MT	L7	

B: COMPONENT

1. SENSOR



ABS00129

- | | |
|------------------------------------|-------------------------------------|
| (1) G sensor | (4) Rear ABS wheel speed sensor LH |
| (2) Rear ABS wheel speed sensor RH | (5) Front ABS wheel speed sensor LH |
| (3) Adjusting spacer | (6) Front ABS wheel speed sensor RH |

Tightening torque: N·m (kgf-m, ft-lb)

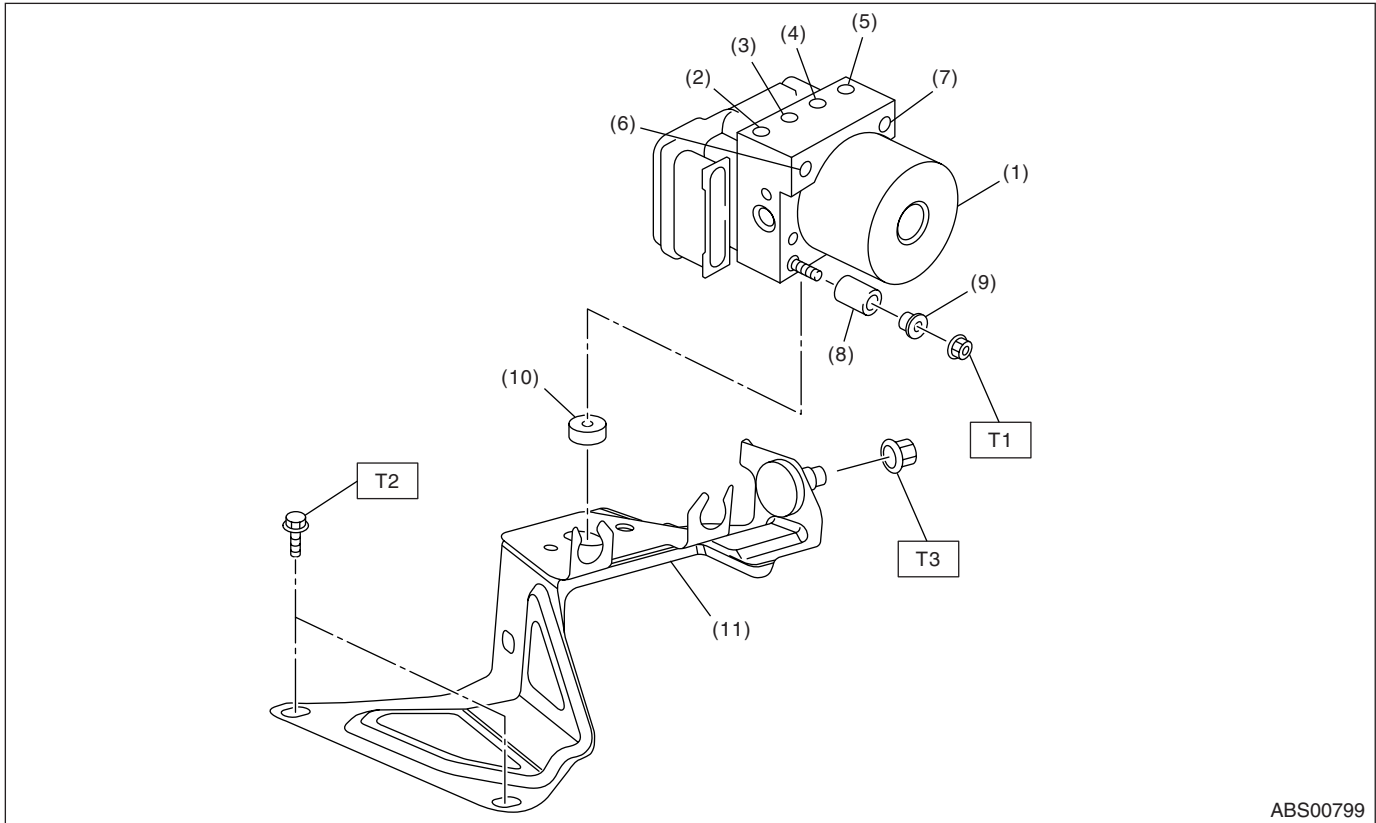
T1: 18 (1.8, 13.0)

T2: 33 (3.4, 24.6)

General Description

ABS

2. ABS CONTROL MODULE AND HYDRAULIC CONTROL UNIT (ABSCM&H/U)



- | | |
|---|---------------------|
| (1) ABS control module and hydraulic control unit (ABSCM&H/U) | (6) Primary inlet |
| (2) Front outlet RH | (7) Secondary inlet |
| (3) Rear outlet LH | (8) Damper |
| (4) Rear outlet RH | (9) Spacer |
| (5) Front outlet LH | (10) Damper |
| | (11) Bracket |

Tightening torque: N·m (kgf-m, ft-lb)

T1: 7.5 (0.76, 5.5)

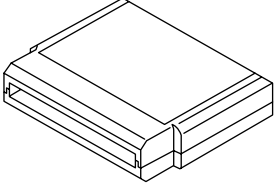
T2: 33 (3.4, 24.6)

T3: 38 (3.8, 27.5)

C: CAUTION

- Wear work clothing, including a cap, protective goggles and protective shoes during operation.
- Before disconnecting connectors of sensors or units, be sure to disconnect the ground cable from the battery.
- Before removal, installation or disassembly, be sure to clarify the failure. Avoid unnecessary removal, installation, disassembly and replacement.
- Be careful not to burn your hands, because each part on the vehicle is hot after running.
- Be sure to tighten fasteners including bolts and nuts to the specified torque.
- Place shop jacks or rigid racks at the specified points.

D: PREPARATION TOOL**1. SPECIAL TOOL**

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 ST18482AA010	18482AA010	CARTRIDGE	Troubleshooting for the electrical system.
 ST22771AA030	22771AA030	SUBARU SELECT MONITOR KIT	Troubleshooting for the electrical system. English: 22771AA030 (Without printer)

2. GENERAL TOOL

TOOL NAME	REMARKS
Circuit tester	Used for measuring resistance, voltage and current.
Pressure gauge	Used for measuring oil pressure.
Oscilloscope	Used for measuring the sensor.
TORX® BIT E5	Used for replacing ABSCM.