

# General Description

ABS

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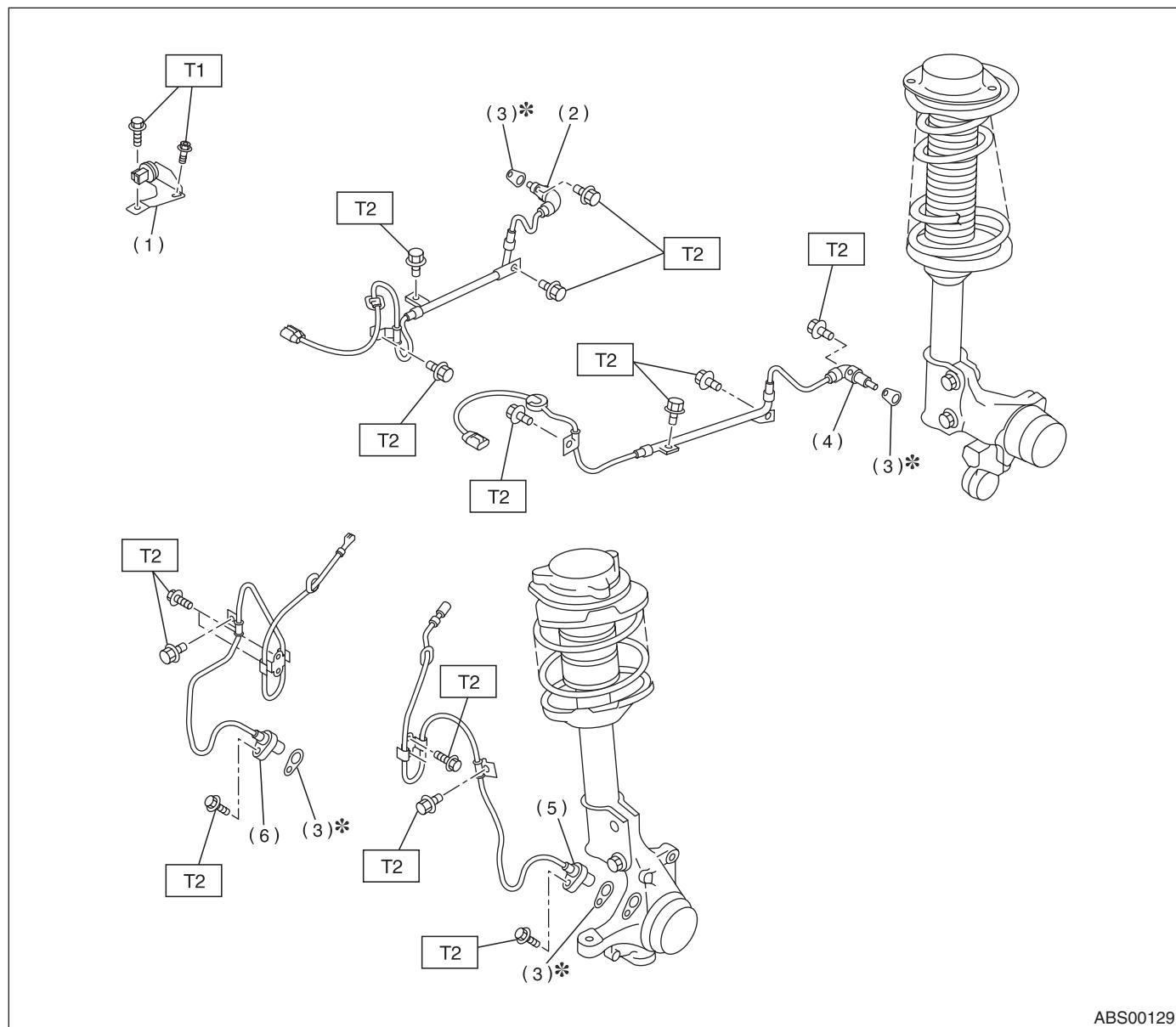
## 1. General Description

### 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	$1.25 \pm 0.25 \text{ k}\Omega$
		Rear	$1.15 \pm 0.115 \text{ k}\Omega$
	Identifications of harness (Colors)	Front	RH Yellow green
			LH Pink
		Rear	RH White
			LH Yellow
G sensor	G sensor voltage		$2.3 \pm 0.2 \text{ V}$
ABSCM&H/U identification		AT	L6
		MT	L7

## B: COMPONENT

### 1. SENSOR



ABS00129

- (1) G sensor
- (2) Rear ABS wheel speed sensor RH
- (3) Adjusting spacer

- (4) Rear ABS wheel speed sensor LH
- (5) Front ABS wheel speed sensor LH
- (6) Front ABS wheel speed sensor RH

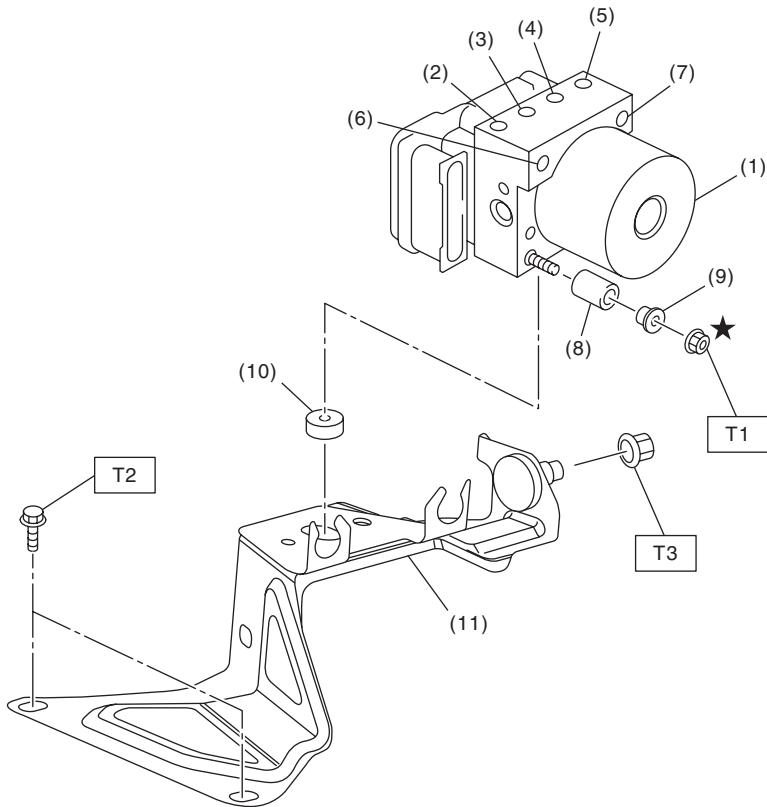
**Tightening torque: N·m (kgf·m, ft·lb)**

**T1:** 18 (1.8, 13.0)  
**T2:** 33 (3.4, 24.6)

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



ABS00999

(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

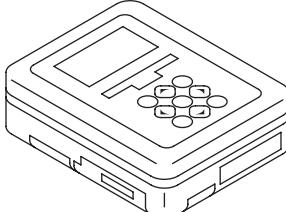
**Tightening torque:N·m (kgf·m, ft-lb)**  
**T1: 7.5 (0.76, 5.5)**  
**T2: 33 (3.4, 24.6)**  
**T3: 38 (3.8, 27.5)**

### C: CAUTION

- Wear appropriate work clothing, including a cap, protective goggles and protective shoes when performing any work.
- 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.
- Vehicle components are extremely hot after driving. Be wary of receiving burns from heated parts.
- 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
 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.
Pressure gauge	Used for measuring oil pressure.
Oscilloscope	Used for measuring the sensor.
TORX® bit E5	Used for replacing ABSCM.