

General Description

ABS

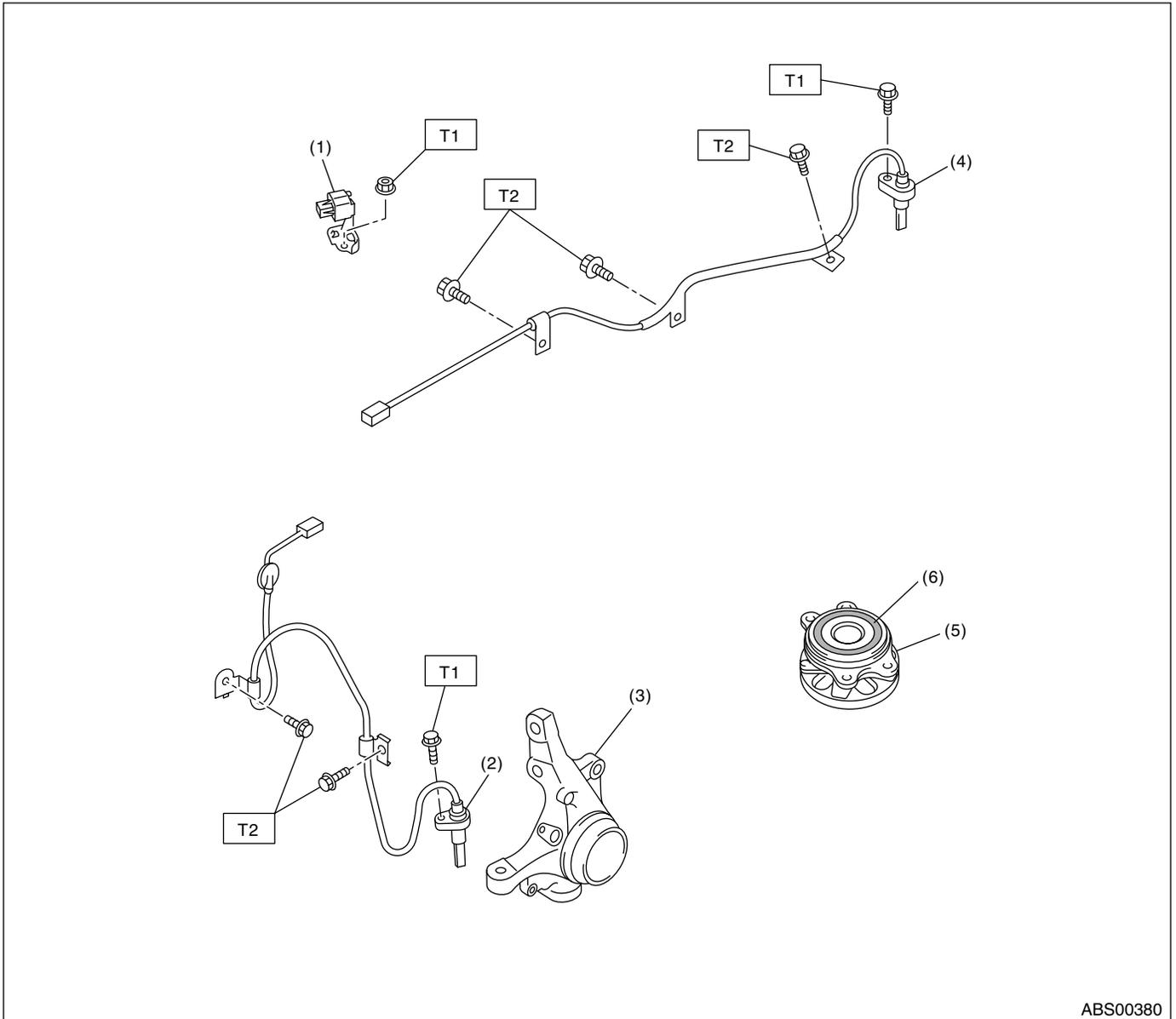
1. General Description

A: SPECIFICATION

Item			Standard value or identification	
ABS wheel speed sensor	ABS wheel speed sensor gap (for reference)	Front	0.77 — 1.43 mm (0.030 — 0.056 in)	
		Rear	0.64 — 1.56 mm (0.025 — 0.061 in)	
	Marks of harness (Marks, Color)	Front	RH	K1 (White)
			LH	K2 (Yellow)
		Rear	RH	K5 (White)
			LH	K6 (Yellow)
G sensor	G sensor voltage	2.3±0.2 V		
ABSCM&H/U identification	AT (Except for OUTBACK)	J1		
	MT (Except for OUTBACK)	J2		
	AT (OUTBACK)	J3		
	MT (OUTBACK)	J4		

B: COMPONENT

1. ABS WHEEL SPEED SENSOR



ABS00380

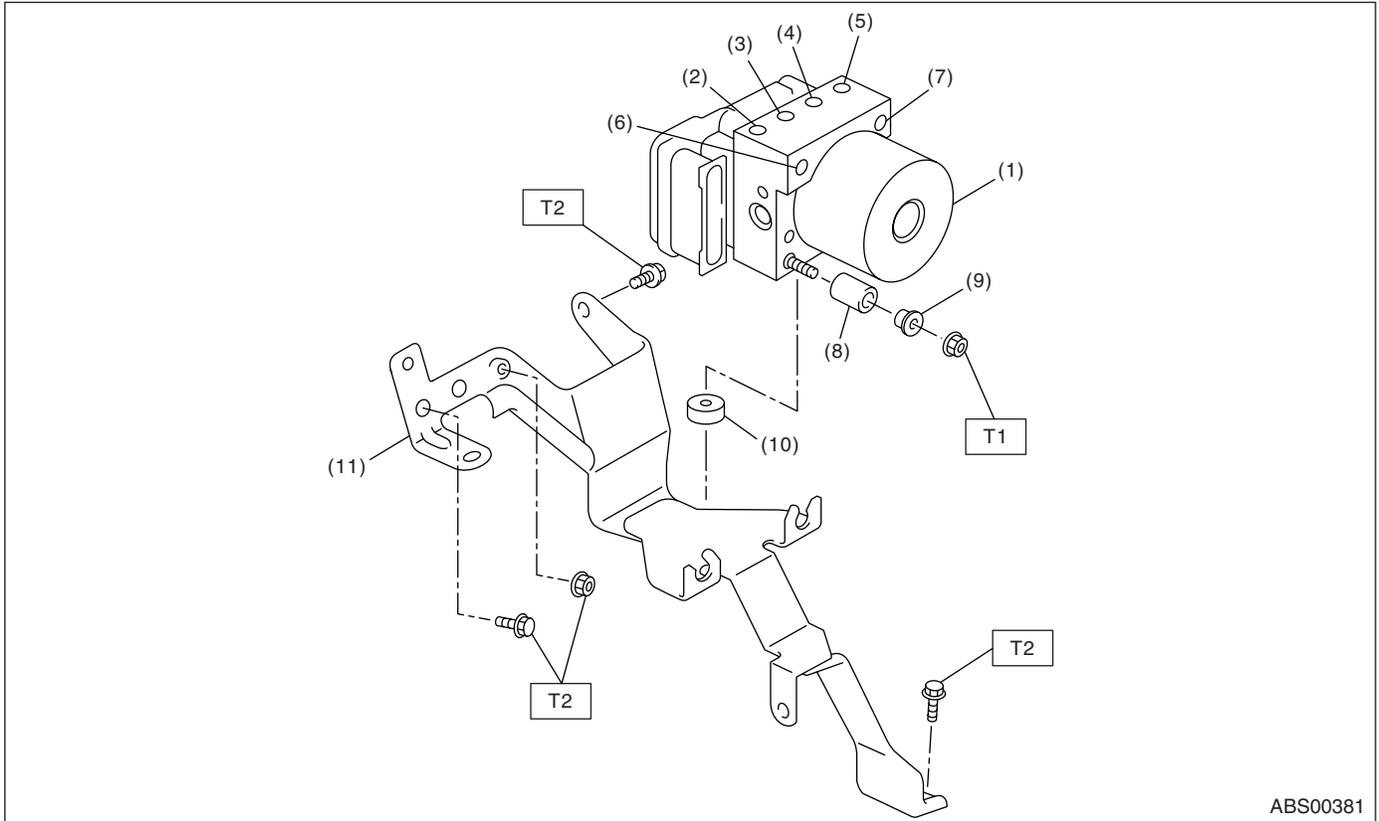
- (1) G sensor
- (2) Front ABS wheel speed sensor LH
- (3) Front housing
- (4) Rear ABS wheel speed sensor LH
- (5) Hub unit bearing
- (6) Magnetic encoder

Tightening torque: N·m (kgf·m, ft·lb)
T1: 7.5 (0.76, 5.5)
T2: 33 (3.3, 24)

General Description

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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 | (11) Bracket |
| (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 | |

Tightening torque: N·m (kgf·m, ft·lb)

T1: 7.5 (0.76, 5.5)

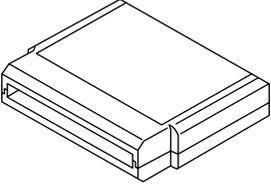
T2: 33 (3.3, 24)

C: CAUTION

- Wear work clothing, including a cap, protective goggles and protective shoes during operation.
- Before disconnecting electrical connectors of sensors or units, be sure to disconnect the ground cable from battery.
- Before removal, installation or disassembly, be sure to clarify the failure. Avoid unnecessary removal, installation, disassembly and replacement.
- Be careful not to burn yourself, 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
 ST24082AA260	24082AA260	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 ampere.
Pressure gauge	Used for measuring oil pressure.
Oscilloscope	Used for measuring sensor.
TORX® bit E5	Used for replacing ABSCM.