

General Description

VEHICLE DYNAMICS CONTROL (VDC)

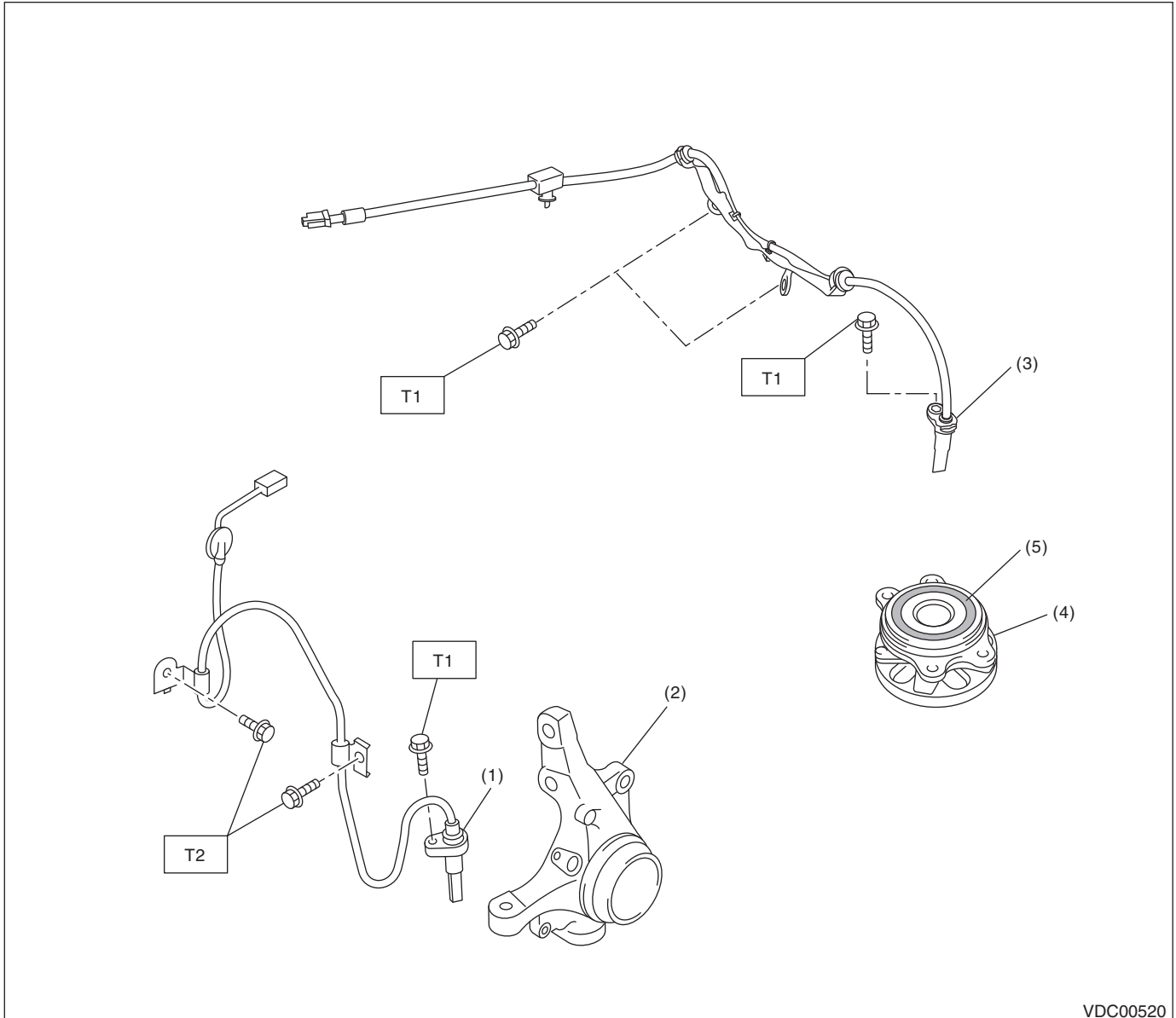
1. General Description

A: SPECIFICATION

Item				Specification 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)	
	Identifications of harness (marks, color)	Front	RH	K1 (White)	
			LH	K2 (Yellow)	
		Rear	RH	P3 (light blue)	
			LH	P4 (brown)	
VDCCM&H/U Identification		AT		Z1	
		MT		Z2	

B: COMPONENT

1. ABS WHEEL SPEED SENSOR



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

Tightening torque: N·m (kgf-m, ft-lb)

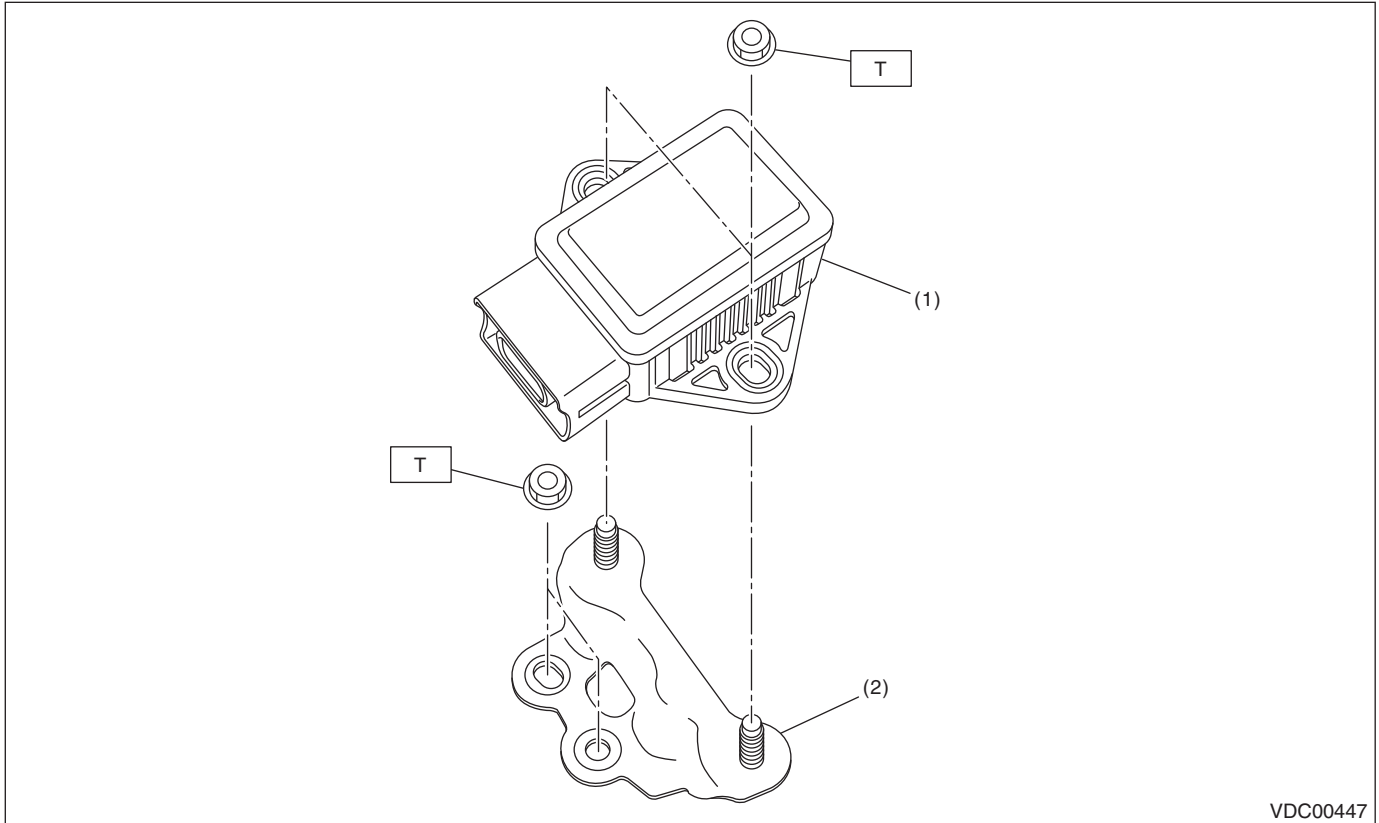
T1: 7.5 (0.76, 5.5)

T2: 33 (3.4, 24.3)

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2. YAW RATE & LATERAL G SENSOR



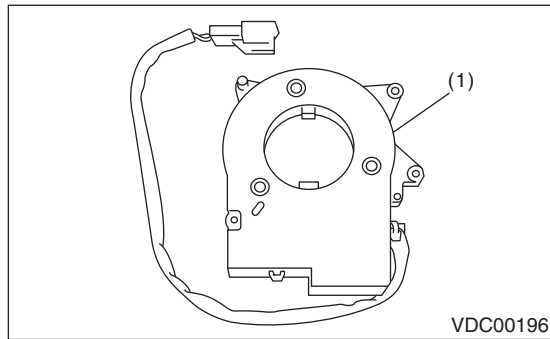
(1) Yaw rate & lateral G sensor

(2) Bracket

Tightening torque: N·m (kgf-m, ft-lb)

T: 7.5 (0.76, 5.5)

3. STEERING ANGLE SENSOR

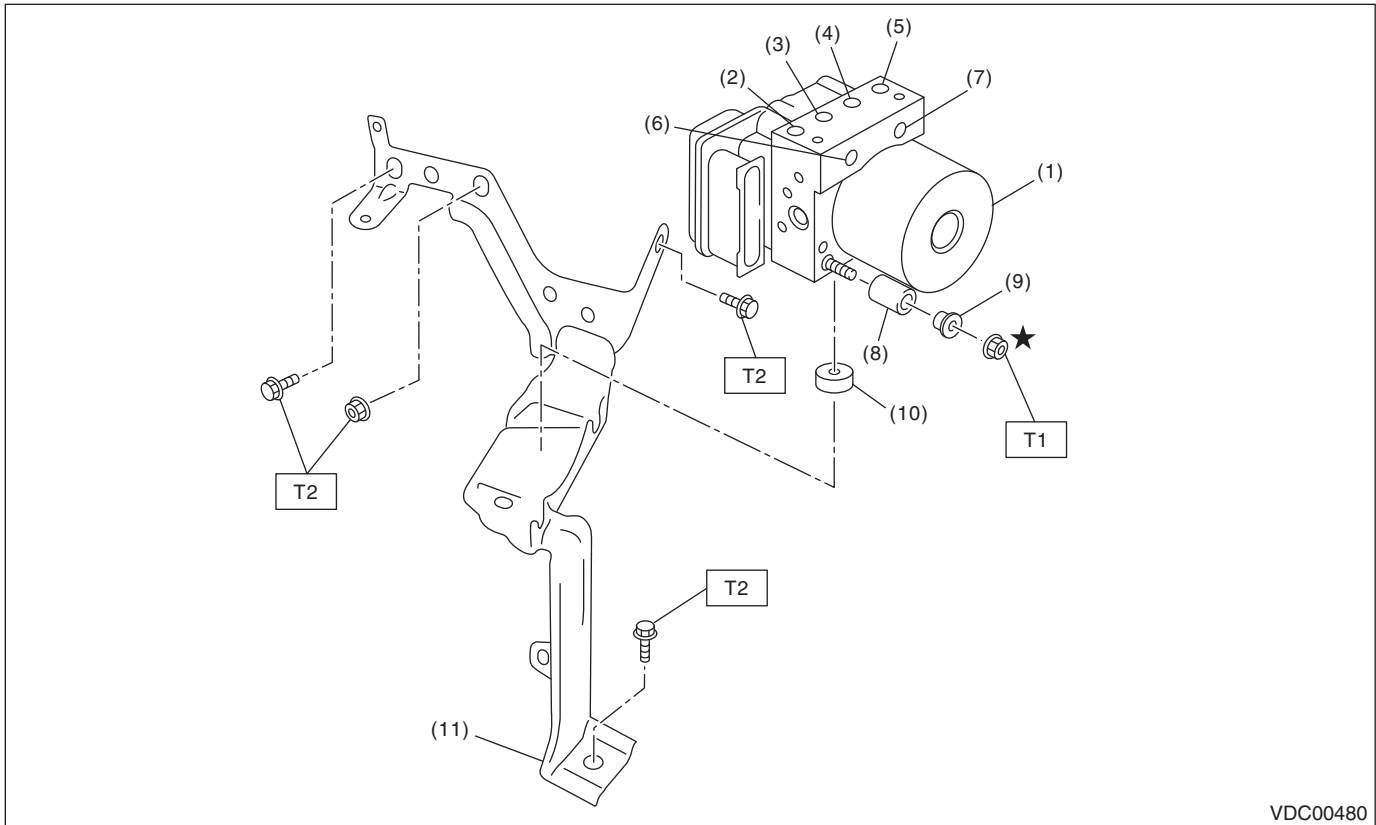


(1) Steering angle sensor

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4. VDC CONTROL MODULE & HYDRAULIC CONTROL UNIT (VDCCM&H/U)



- (1) VDC control module & hydraulic control unit (VDCCM&H/U)
- (2) Front RH outlet
- (3) Rear LH outlet
- (4) Rear RH outlet
- (5) Front LH outlet

- (6) Primary inlet
- (7) Secondary inlet
- (8) Damper
- (9) Spacer
- (10) Damper

- (11) Bracket

Tightening torque: N·m (kgf-m, ft-lb)

T1: 7.5 (0.76, 5.5)

T2: 33 (3.4, 24.3)

General Description

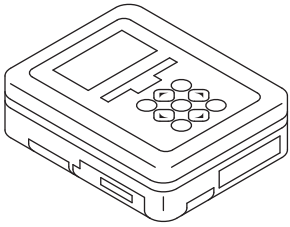
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C: CAUTION

- Wear appropriate work clothing, including a cap, protective goggles and protective shoes when performing any work.
- Remove contamination including dirt and corrosion before removal, installation or disassembly.
- Keep the disassembled parts in order and protect them from dust and dirt.
- 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
 ST1B022XU0	1B022XU0 (Newly adopted tool)	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 the VDC control module.