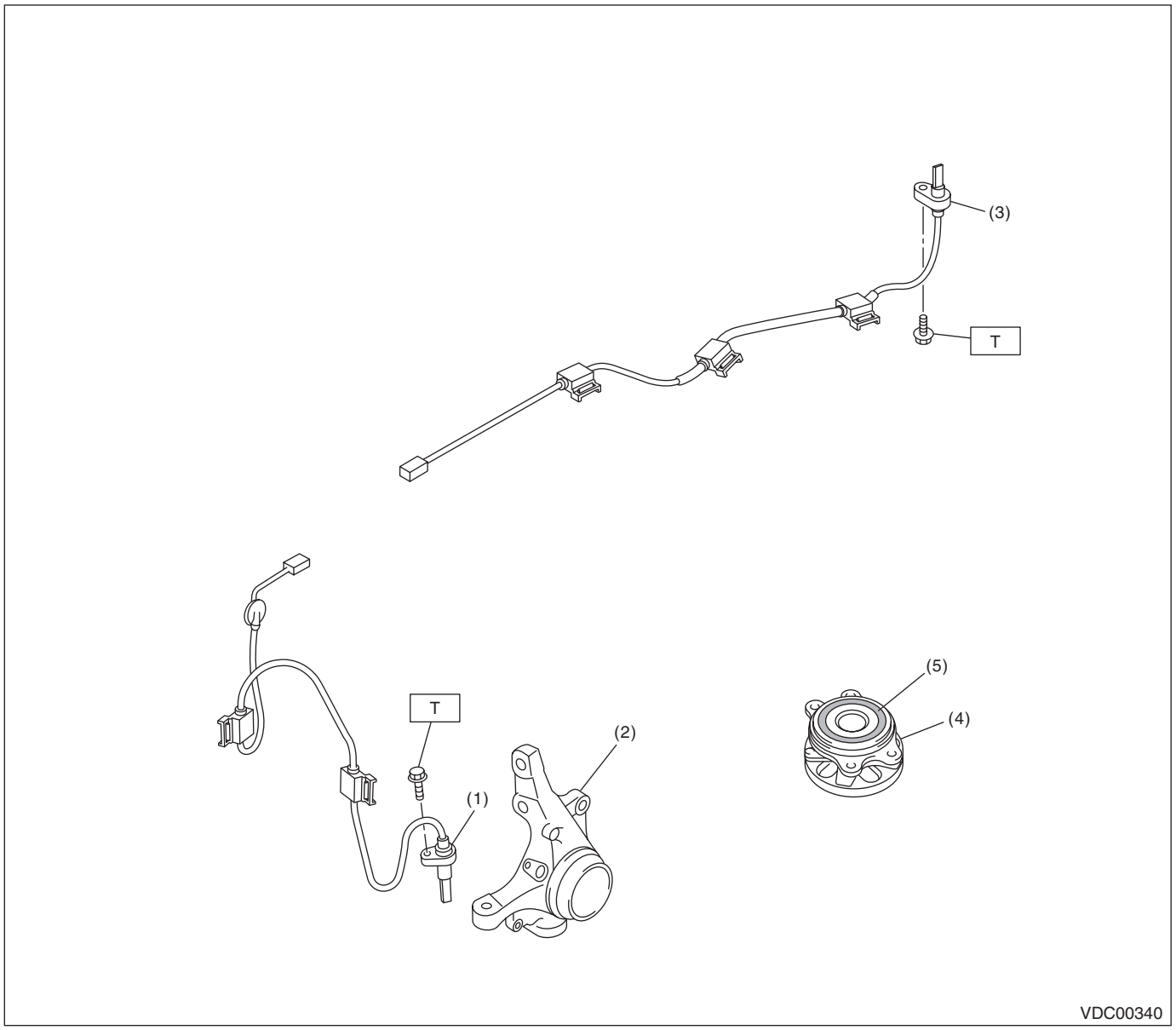
1. General Description

A: SPECIFICATION

Item			Specification or identification
ABS wheel speed sensor	ABS wheel speed sensor gap (for reference)	Front	0.55 — 1.45 mm (0.022 — 0.057 in)
		Rear	0.50 — 1.50 mm (0.020 — 0.059 in)
	Identifications of harness (marks, color)	Front	W1 (White)
		Rear	W3 (White)
VDCCM&H/U Identification			W2

B: COMPONENT

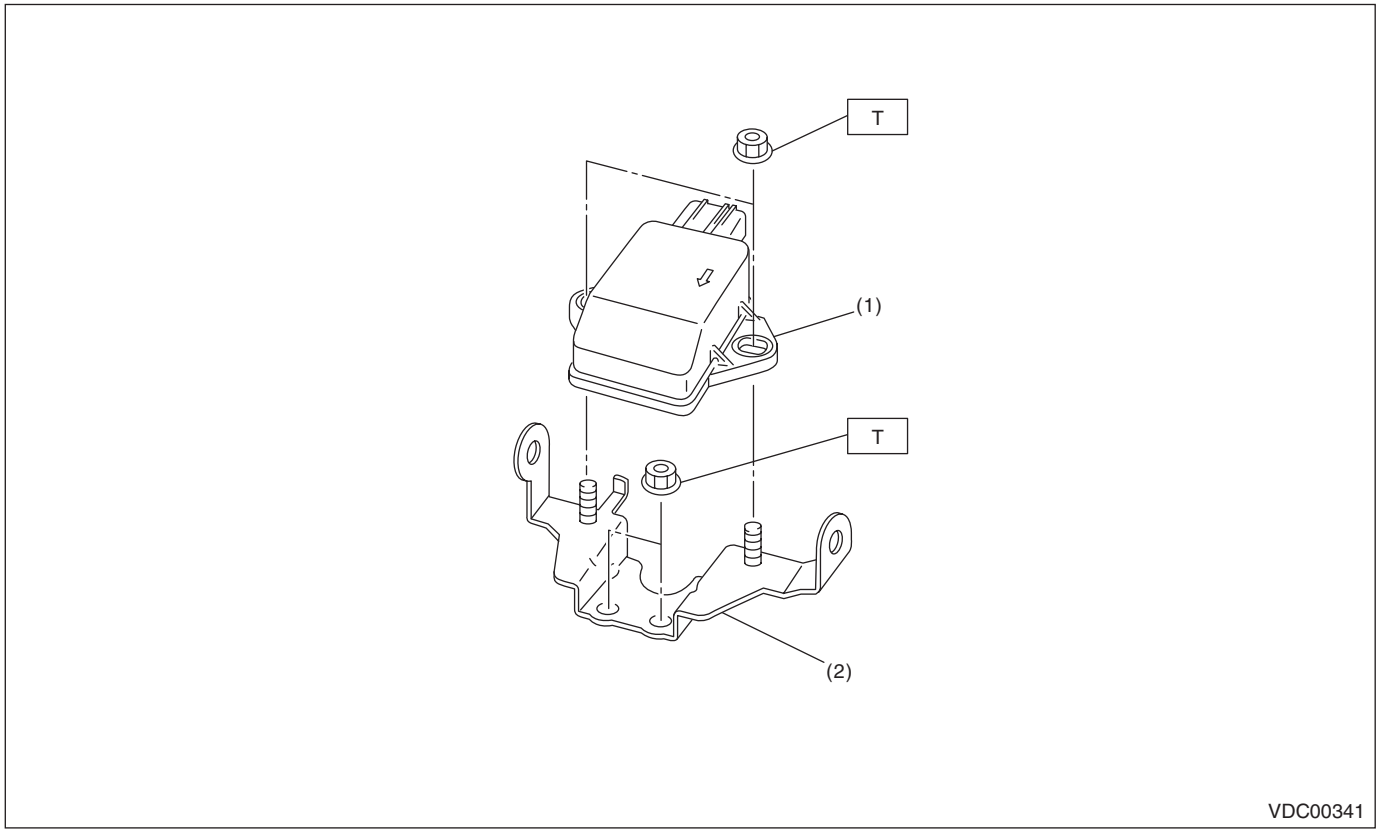
1. ABS WHEEL SPEED SENSOR



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

Tightening torque:N·m (kgf-m, ft-lb)
T: 7.5 (0.76, 5.5)

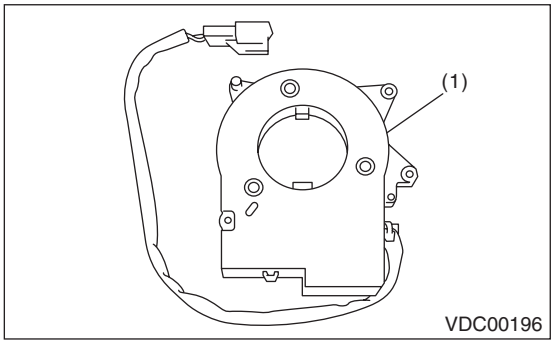
2. YAW RATE & LATERAL G SENSOR



(1) Yaw rate & lateral G sensor
(2) Bracket

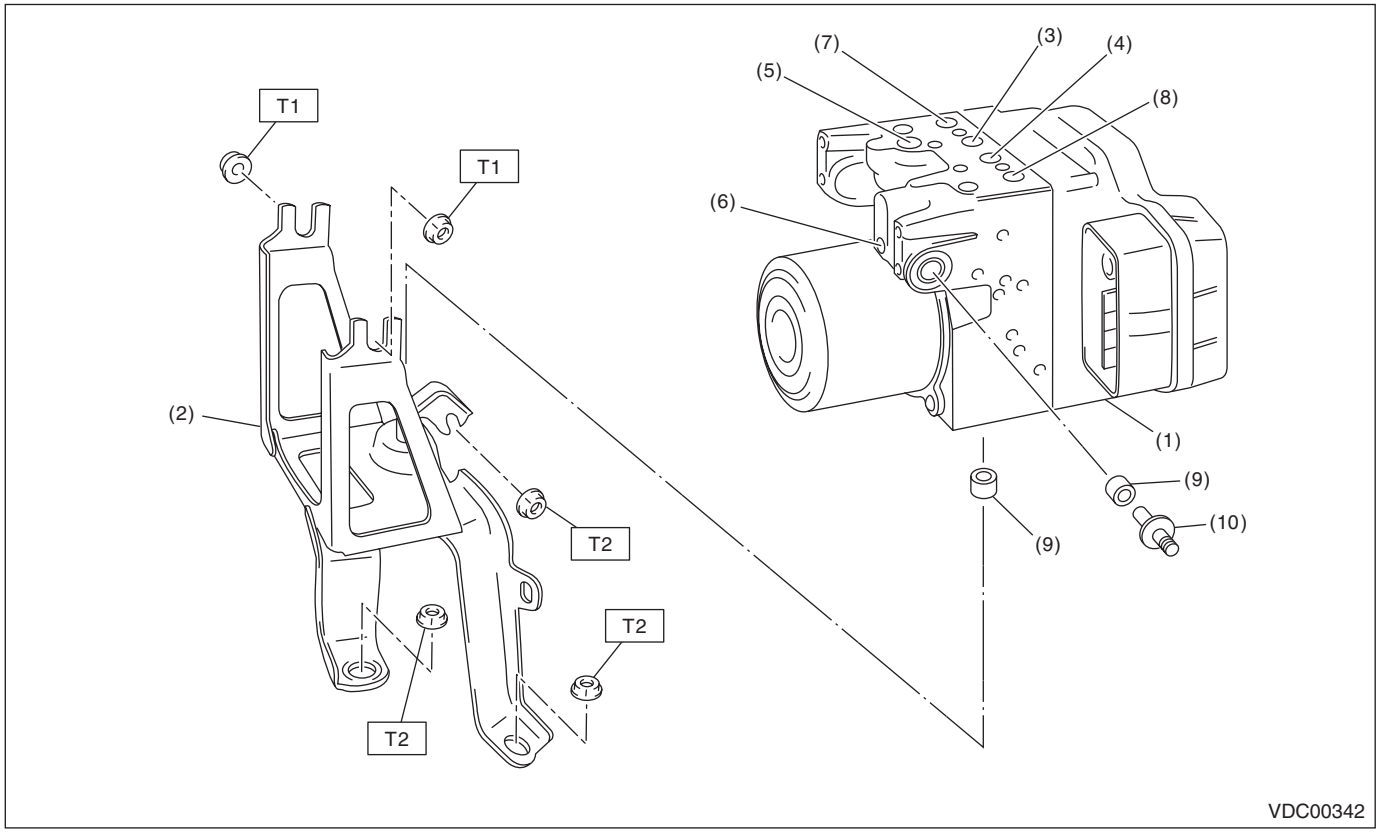
Tightening torque:N·m (kgf-m, ft-lb)
T: 7.5 (0.76, 5.5)

3. STEERING ANGLE SENSOR



(1) Steering angle sensor

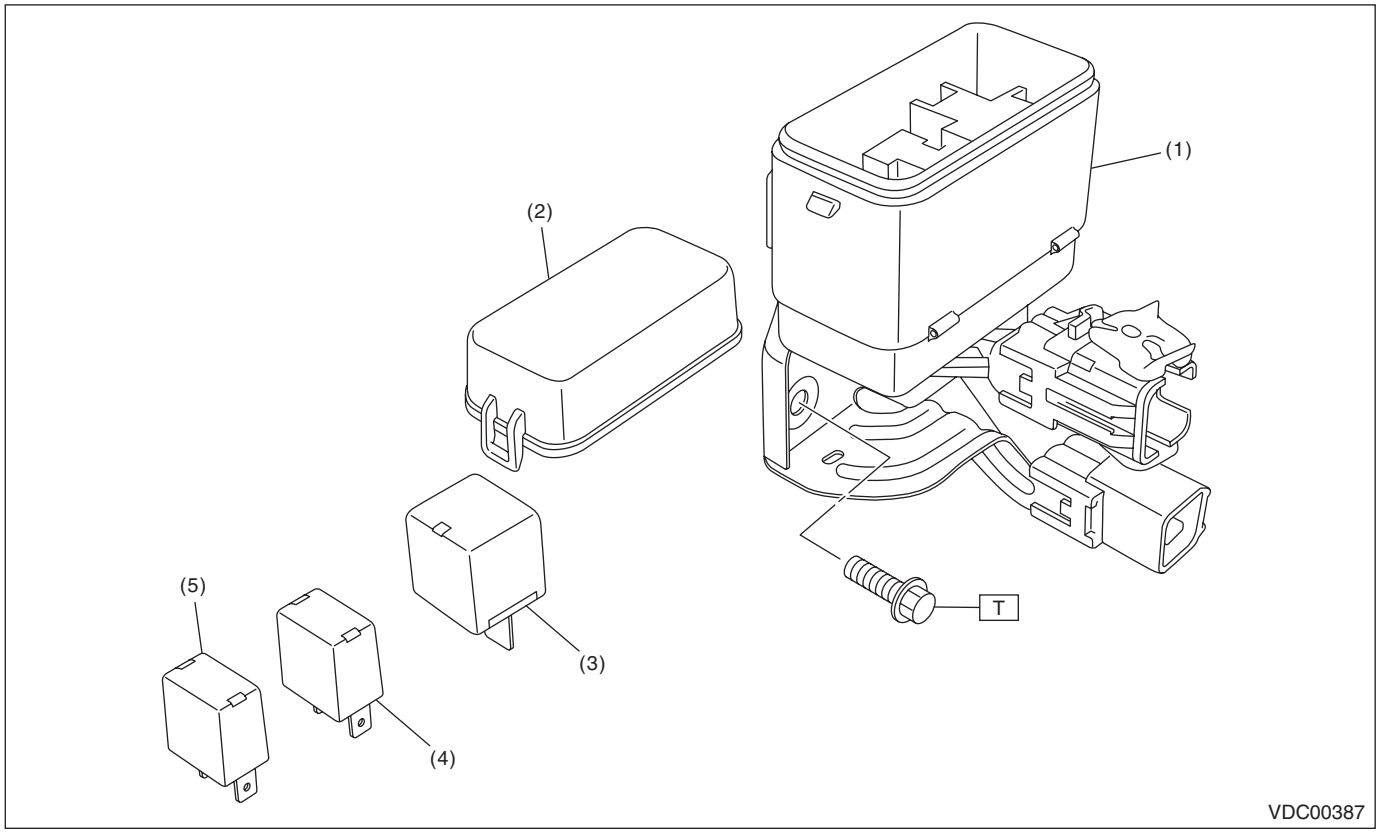
4. VDC CONTROL MODULE AND HYDRAULIC CONTROL UNIT (VDCCM&H/U)



(1) VDC control module and hydraulic control unit (VDCCM&H/U)
(2) Bracket
(3) Rear RH outlet
(4) Rear LH outlet
(5) Secondary inlet
(6) Primary inlet
(7) Front LH outlet
(8) Front RH outlet
(9) Damper
(10) Stud bolt

Tightening torque:N·m (kgf-m, ft-lb)
T1: 7.5 (0.76, 5.5)
T2: 33 (3.4, 24)

5. RELAY BOX



(1) Relay box
(2) Cover
(3) Motor relay (blue)
(4) Fuel safe relay (green)
(5) Vacuum pump relay (black)

Tightening torque:N·m (kgf-m, ft-lb)
T: 18 (1.8, 13.0)

C: CAUTION

Please understand and adhere to the following general precautions. They must be strictly followed to avoid any injury to the person doing the work or people in the area.

1. OPERATION

• 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.

2. OIL

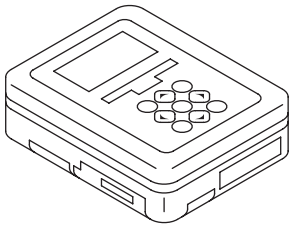
When handling oil, carefully observe the following to prevent unexpected accidents.
• Prepare a container and cloth when performing work which oil possibly spills. If oil spills, wipe it off immediately to prevent from penetrating into floor or flowing out, to protect the environmental.
• Follow all government regulations concerning disposal of refuse when disposing.

3. BRAKE FLUID

If brake fluid gets in your eyes or on your skin, do the following:
• Wash out your eyes and seek immediate medical attention.
• Wash your skin with soap and then rinse thoroughly with water.
• Follow all government regulations concerning disposal of refuse when disposing.

D: PREPARATION TOOL

1. SPECIAL TOOL

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 ST1B020XU0	1B020XU0	SUBARU SELECT MONITOR KIT	Used for troubleshooting for 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.