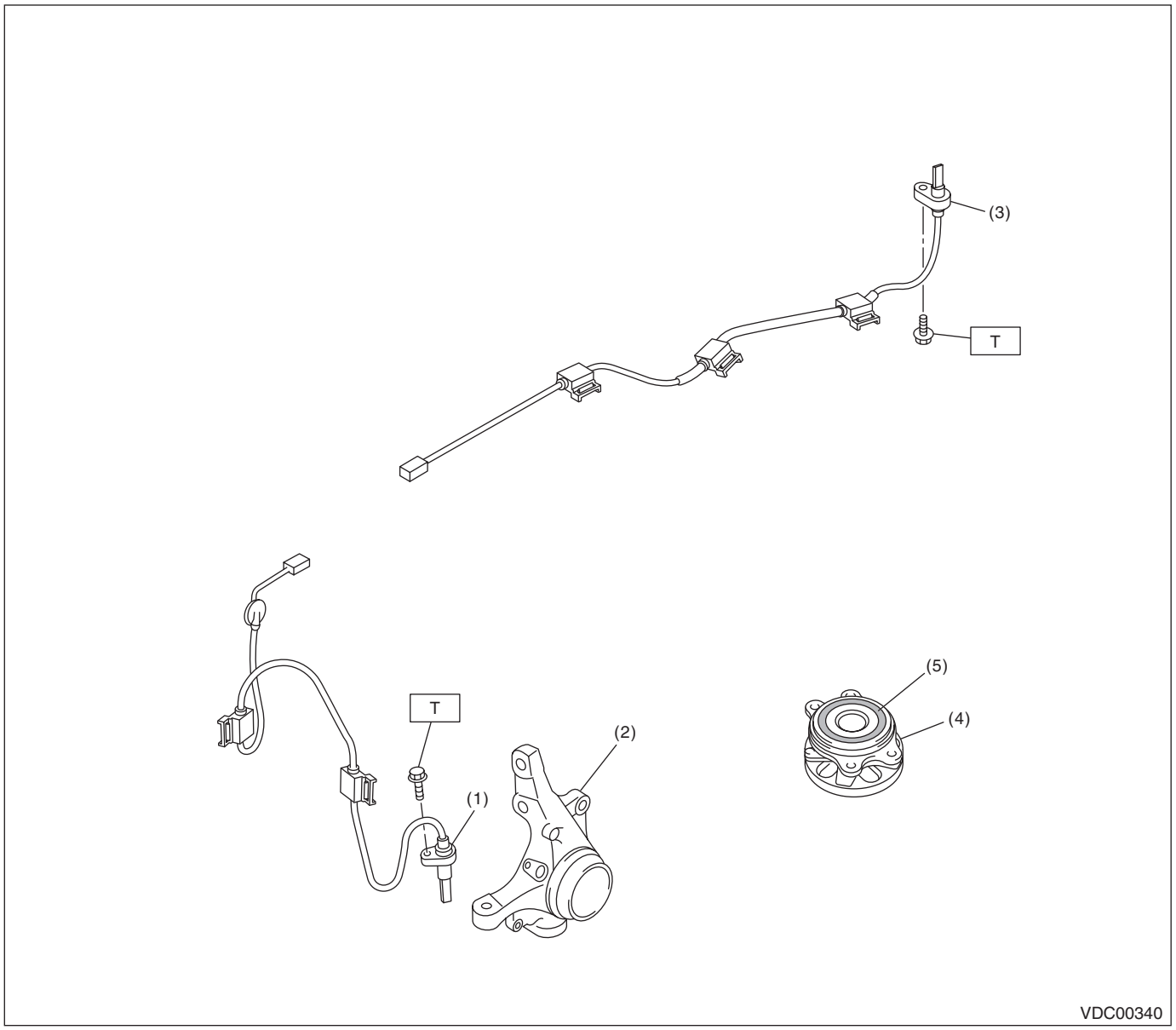
# 1. General Description

## 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 | | | W3 |

# B: COMPONENT

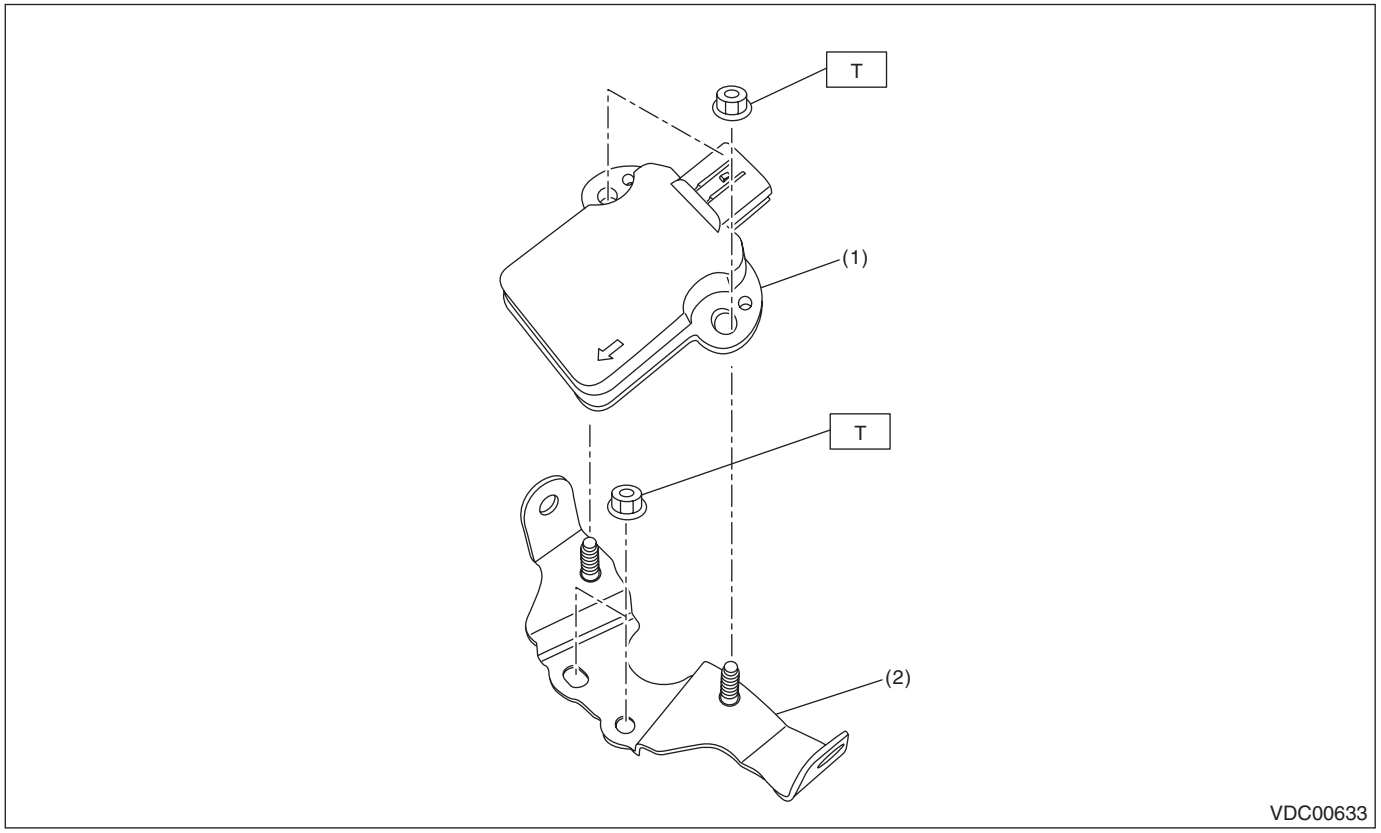
## 1. ABS WHEEL SPEED SENSOR




(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, 5.53)***

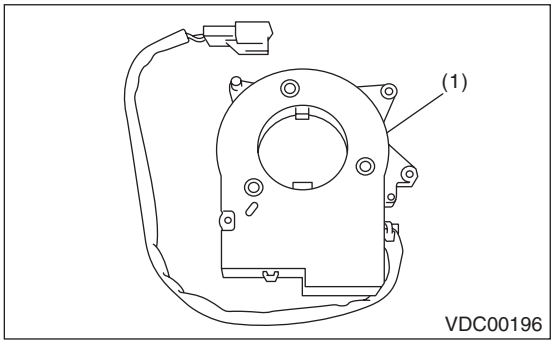
## 2. YAW RATE & LATERAL G SENSOR




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

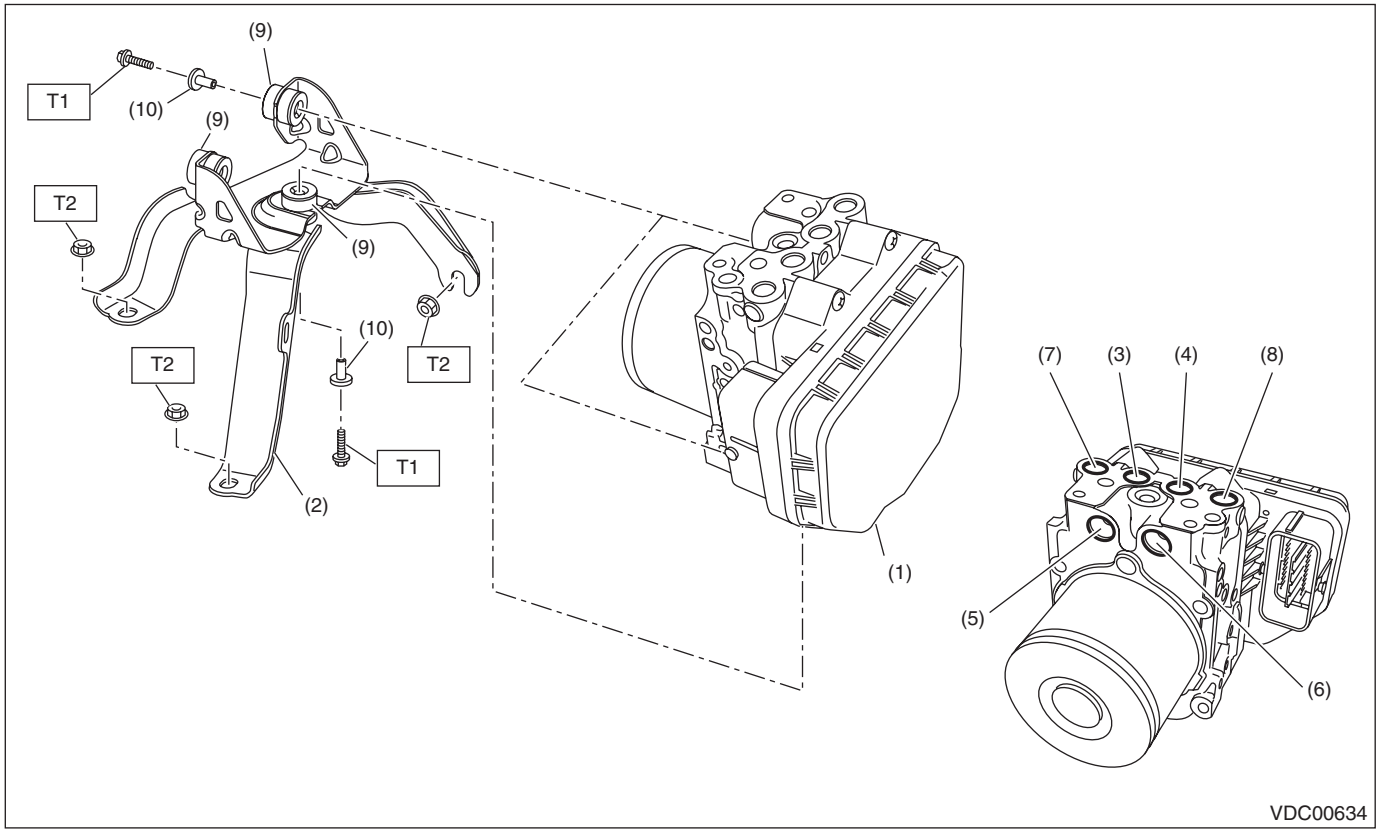
***Tightening torque:N·m (kgf-m, ft-lb)***
***T: 7.5 (0.76, 5.53)***

## 3. STEERING ANGLE SENSOR




(1) Steering angle sensor

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




(1) VDC control module & 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) Spacer

***Tightening torque:N·m (kgf-m, ft-lb)***
***T1: 7.5 (0.76, 5.53)***
***T2: 33 (3.4, 24.3)***

## C: CAUTION

Please understand and adhere to the following general precautions. They must be strictly followed to avoid any injury to the person performing the work or persons 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, follow the rules below to prevent unexpected accidents.

- Prepare container and waste cloths when performing work which oil could possibly spill. If oil spills, wipe it off immediately to prevent from penetrating into floor or flowing outside, for environmental protection.
- Follow all government and local regulations concerning waste disposal.

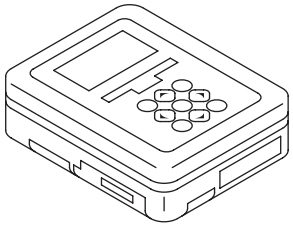
### 3. BRAKE FLUID

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 and local regulations concerning waste disposal.

# D: PREPARATION TOOL

## 1. SPECIAL TOOL

| ILLUSTRATION | TOOL NUMBER | DESCRIPTION | REMARKS |
|---|---|---|---|
|  ST1B022XU0 | 1B022XU0 | 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. |