

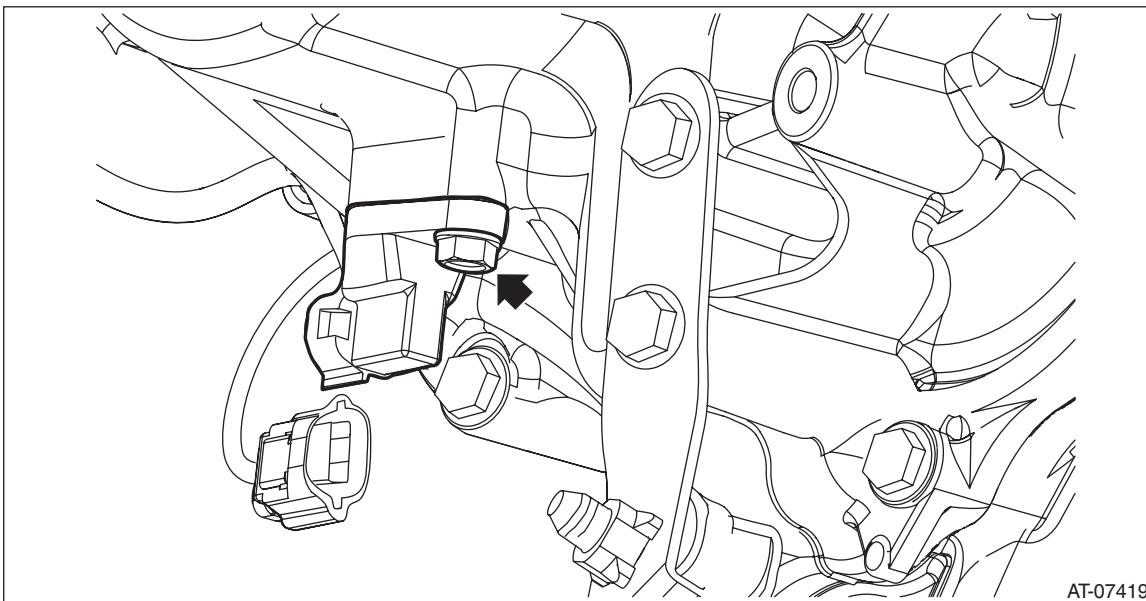
## 17. Front Wheel Speed Sensor

### A: REMOVAL

**CAUTION:**

- Be sure to prevent water or oil from contacting the connector terminal of front wheel speed sensor. If adhesion occurs, replace with a new part.
- When removing front wheel speed sensor, CVTF may let out. If CVTF has leaked, adjust the CVTF level after installing the front wheel speed sensor.

- 1) Disconnect the ground terminal from battery sensor. <Ref. to NT-5, BATTERY, NOTE, Note.>
- 2) Lift up the vehicle.
- 3) Clean the transmission exterior.
- 4) Remove the front wheel speed sensor harness connector.
- 5) Remove the front wheel speed sensor.



### B: INSTALLATION

**CAUTION:**

- Be sure to prevent water or oil from contacting the connector terminal of front wheel speed sensor. If adhesion occurs, replace with a new part.
- After installing the front wheel speed sensor, adjust the CVTF level.

Install in the reverse order of removal.

**NOTE:**

- Use new O-rings.
- Apply CVTF to the O-ring.

**Tightening torque:**

**5 N·m (0.5 kgf·m, 3.7 ft-lb)**

# Front Wheel Speed Sensor

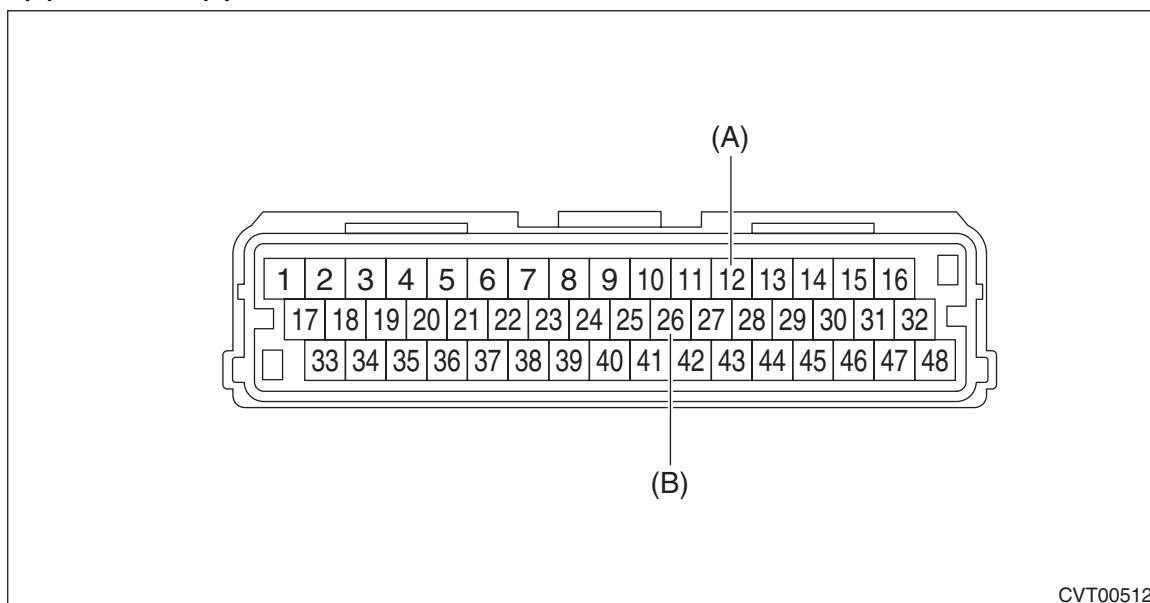
## CONTINUOUSLY VARIABLE TRANSMISSION

### C: INSPECTION

- 1) Remove the bulkhead harness connector from TCM. <Ref. to CVT(TR690)-126, REMOVAL, Transmission Control Module (TCM).>
- 2) Set the ST between the TCM and bulkhead harness.  
ST 18460AA040 CHECK BOARD
- 3) Set the probe of oscilloscope to the check board connector.

#### Terminals:

No. 12 (+) — No. 26 (-)



(A) + probe

(B) - probe

- 4) Lift up the vehicle and raise the vehicle speed up to 20 km/h (12 MPH).
- 5) Check the waveform of front wheel speed sensor when vehicle speed is at 20 km/h (12 MPH).

#### NOTE:

The waveform cycle changes as the speed changes.

