

# Front Wheel Speed Sensor

CONTINUOUSLY VARIABLE TRANSMISSION

## 18.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 the front wheel speed sensor is removed, CVTF leaks. After installing the front wheel speed sensor, adjust the CVTF level.

1) Disconnect the ground cable from battery. <Ref. to NT-5, BATTERY, NOTE, Note.>

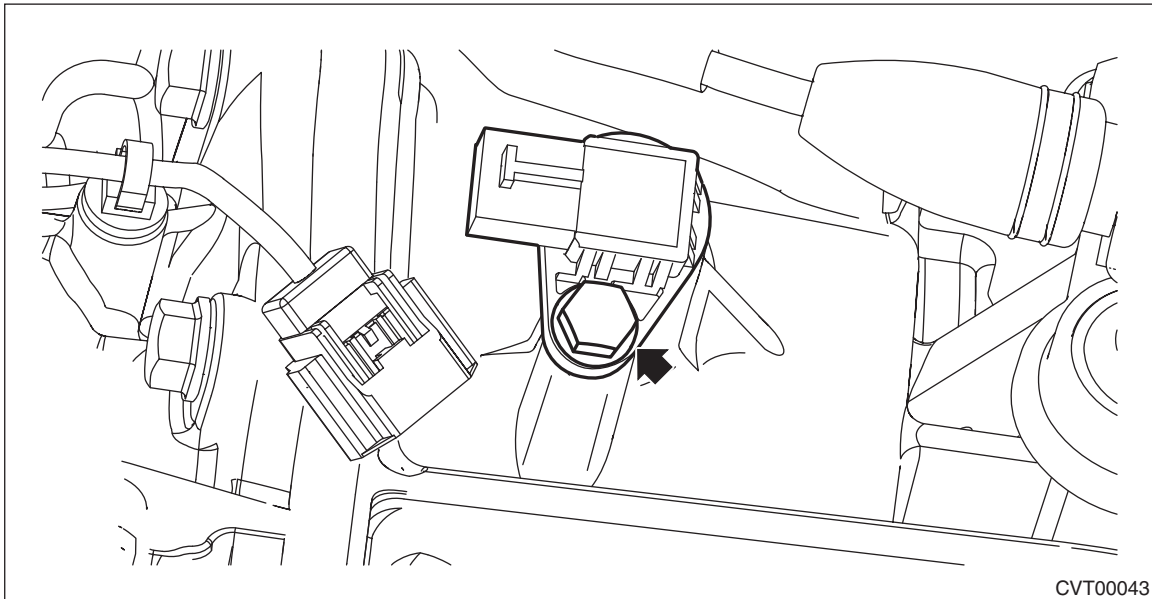
#### NOTE:

For the 12 volt engine restart battery, disconnect the ground terminal from 12V engine restart battery sensor.

2) Lift up the vehicle.

3) Remove the harness connector from front wheel speed sensor.

4) 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:*

*7 N·m (0.7 kgf-m, 5.2 ft-lb)*

# Front Wheel Speed Sensor

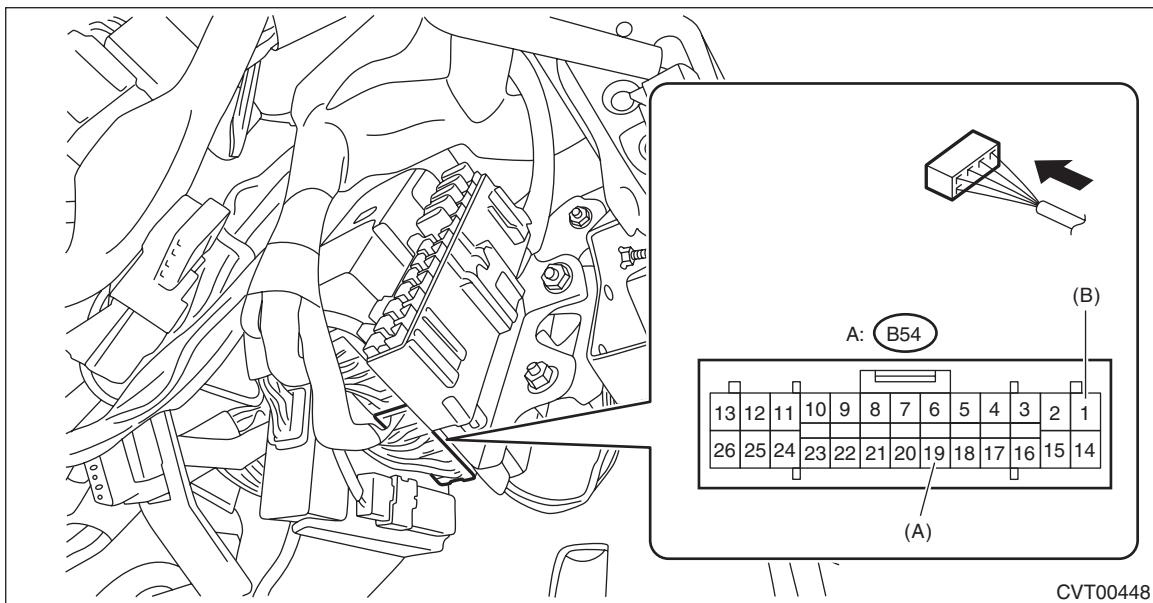
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## C: INSPECTION

1) Set the probe of oscilloscope to TCM harness connector.

### Connector & terminal

(B54) No. 19 (+) — No. 1 (–):



(A) + probe

(B) – probe

2) Start and warm up the engine.

3) Lift up the vehicle.

### CAUTION:

**Lift up the vehicle until the tire bottom is 0.3 m (0.98 ft) or more above the ground.**

4) Shift the select lever to “D” range.

5) Check the waveform and output voltage of the front wheel speed sensor while driving with the engine idling.

### NOTE:

The waveform cycle changes as the speed changes.

