

# Yaw Rate and Lateral G Sensor

VEHICLE DYNAMICS CONTROL (VDC)

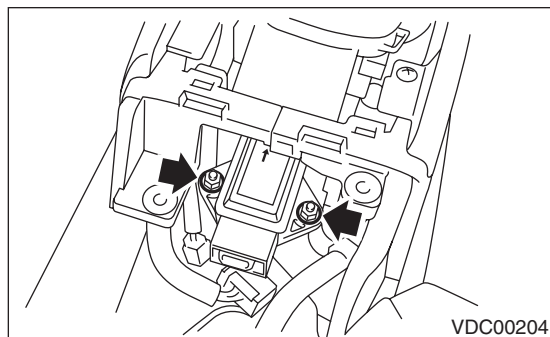
## 5. Yaw Rate and Lateral G Sensor

### A: REMOVAL

- 1) Disconnect the ground cable from battery.
- 2) Remove the console box.  
<Ref. to EI-52, Console Box.>
- 3) Disconnect the connector from yaw rate & lateral G sensor.
- 4) Remove the yaw rate & lateral G sensor.

### CAUTION:

Do not drop or bump the yaw rate & lateral G sensor.

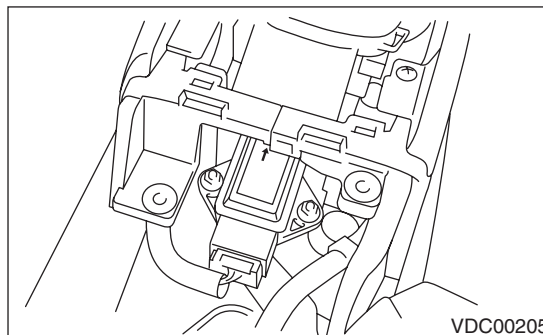


### B: INSTALLATION

Install in the reverse order of removal.

### NOTE:

Install with the arrow on the yaw rate & lateral G sensor pointed towards the front of the vehicle.



### Tightening torque:

7.5 N·m (0.76 kgf·m, 5.5 ft·lb)

### CAUTION:

After completion of installation, set the following two positions.

- Positioning to the center of steering angle sensor
- Positioning the yaw rate & lateral G sensors to zero.

The above procedure is required VDCCM&H/U to identify the vehicle position afterward. For the setting procedures of the 2 steps above, refer to “VDC Control Module and Hydraulic Control Unit (VDCCM&H/U)”. <Ref. to VDC-9, ADJUSTMENT, VDC Control Module and Hydraulic Control Unit (VDCCM&H/U).>

# Yaw Rate and Lateral G Sensor

VEHICLE DYNAMICS CONTROL (VDC)

## C: INSPECTION

### 1. YAW RATE & LATERAL G SENSOR

Step	Check	Yes	No
<b>1 CHECK YAW RATE &amp; LATERAL G SENSOR.</b> 1) Turn the ignition switch to OFF. 2) Connect the Subaru Select Monitor connector to the data link connector. 3) Turn the ignition switch to ON. 4) Set the Subaru Select Monitor connector to the {Brake Control} mode. 5) Select {Current Data Display & Save}. 6) Read the output voltage of yaw rate & lateral G sensor.	Are the indicated values when the vehicle is placed horizontally, Lateral G sensor: -1.5 — 1.5 m/s, Yaw rate sensor: -4 — 4 deg/s?	Go to step 2.	Repair the harness connector between yaw rate & lateral G sensor and VDCCM&H/U. Or replace the yaw rate & lateral G sensor.
<b>2 CHECK LATERAL G SENSOR.</b> 1) Remove the console box. 2) Remove the yaw rate & lateral G sensors from vehicle. (Do not disconnect the connector.) 3) Read the display of Subaru Select Monitor. NOTE: When the yaw rate & lateral G sensor is moved with its power supply on, DTC of yaw rate & lateral G sensor may be recorded.	Is the value 6.8 — 12.8 m/s when the yaw rate & lateral G sensor is inclined 90° to the right?	Go to step 3.	Repair the harness connector between yaw rate & lateral G sensor and VDCCM&H/U. Or replace the yaw rate & lateral G sensor.
<b>3 CHECK LATERAL G SENSOR.</b> Read the display of Subaru Select Monitor. NOTE: When the yaw rate & lateral G sensor is moved with its power supply on, DTC of yaw rate & lateral G sensor may be recorded.	Is the value 6.8 — 12.8 m/s when the yaw rate & lateral G sensor is inclined 90° to the right?	Yaw rate & lateral G sensors are normal.	Repair the harness connector between yaw rate & lateral G sensor and VDCCM&H/U. Or replace the yaw rate & lateral G sensor.