

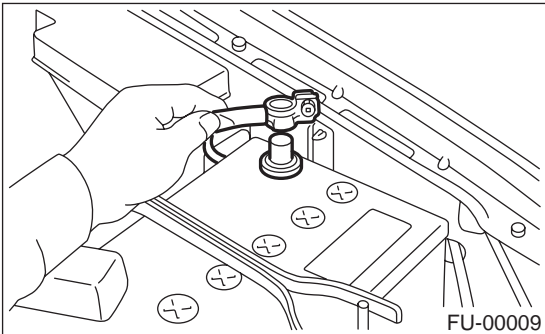
## VDC CONTROL MODULE (VDCCM)

VDC

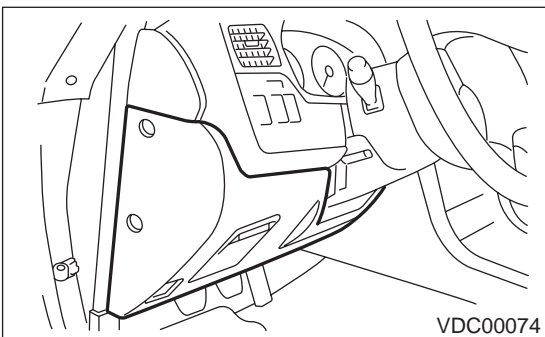
### 2. VDC Control Module (VDC-CM)

#### A: REMOVAL

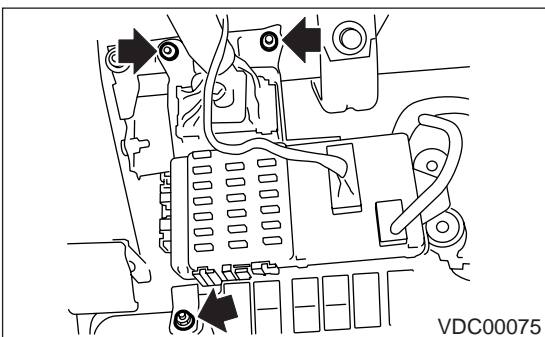
1) Disconnect battery ground cable.



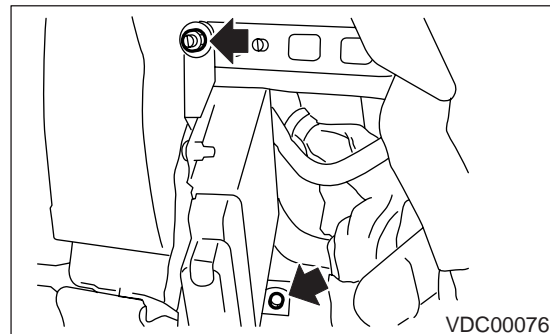
2) Remove lower cover of instrument panel and disconnect connectors on the back side of the cover.



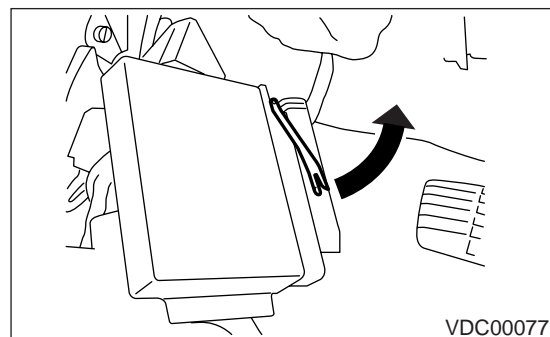
3) Remove three bolts which secure the fuse box onto body side, then move the fuse box aside.



4) Remove two bolts which install VDCCM onto body side bracket.



5) Disconnect connector from VDCCM by pulling up the securing holder.



6) Remove VDCCM.

#### B: INSTALLATION

Install in the reverse order of removal.

#### CAUTION:

After completion of installation procedure, the following two position settings must be made.

- Steering angle sensor center positioning
  - Yaw rate and lateral G sensor 0 positioning
- These procedures are necessary for VDCCM to later recognize what position the vehicle is in. For procedures for the above two settings, <Ref. to VDC-9, ADJUSTMENT, VDC Control Module (VDCCM).>.

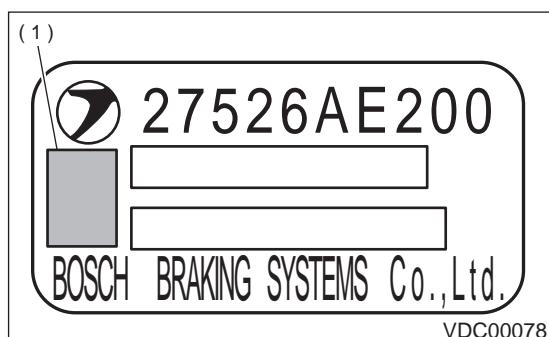
VDC-8

## VDC CONTROL MODULE (VDCCM)

VDC

### C: INSPECTION

Check the VDCCM identification mark.



(1) Specification mark

Vehicle specifications	VDCCM identification mark
Six cylinder engine	P

### D: ADJUSTMENT

Always conduct steering angle sensor center positioning and yaw rate and lateral G sensor 0 positioning whenever you have replaced, removed or installed the following items.

- VDCCM
- Steering angle sensor
- Yaw rate and lateral G sensor
- Steering wheel parts (including airbag)
- Suspension parts
- Adjustment of wheel alignment

#### 1. WITHOUT SUBARU SELECT MONITOR

- 1) Park the vehicle in a straight ahead position on a horizontal surface.
- 2) Confirm the steering wheel center position. (If the center position is not accurate, adjust wheel alignment.)
- 3) Drive the vehicle approx. 10 km (6 MPH) preferably on a straight road, then turn ignition switch OFF. Then drive the vehicle approx. 10 km (6 MPH) again confirming that ABS and VDC warning lights do not go ON while vehicle is being driven. Also make sure there are no abnormalities of the VDC function or steering operation.

#### NOTE:

If it is not possible to drive the vehicle, use SUBARU SELECT MONITOR.

<Ref. to VDC-9, WITH SUBARU SELECT MONITOR, ADJUSTMENT, VDC Control Module (VDC-CM).>

- 4) If there are any abnormalities found, conduct the procedure over again.

#### 2. WITH SUBARU SELECT MONITOR

- 1) Park the vehicle in a straight ahead position on a horizontal surface. (Engine running in gear position of P or N)
- 2) Confirm the steering wheel center position. (If the center position is not accurate, adjust wheel alignment.)
- 3) Set the SUBARU SELECT MONITOR on the vehicle and select "Set Mode Str.A.Sen.N & Lat.Gsen.Op" in "Function Check Sequence" display menu. (Follow the instructions in the display.)
- 4) Select "Current Data display & Save" in {Brake Control System} display menu and confirm if the steering angle sensor is indicated as "0 deg".
- 5) If the display does not indicate {0 deg}, conduct the procedure over again and make sure it indicates "0 deg".
- 6) Drive the vehicle approx. 10 minutes and confirm that ABS and VDC warning lights do not go ON while vehicle is being driven.
- 7) If there are any abnormalities in VDC function or steering operation found while vehicle is being driven, conduct the procedure over again.

## VDC-9