

## 5. Steering Column

### A: REMOVAL

**CAUTION:**

Before performing service on the airbag module, always refer to "CAUTION" of "General Description" in "AIRBAG SYSTEM" section. <Ref. to AB-9, CAUTION, General Description.>

1) Disconnect the ground cable from battery and wait for at least 60 seconds before starting work. <Ref. to NT-5, BATTERY, NOTE, Note.>

**NOTE:**

For models other than STI model, disconnect the ground terminal from battery sensor.

2) Remove the cover assembly - instrument panel LWR driver. <Ref. to EI-61, REMOVAL, Instrument Panel Lower Cover.>

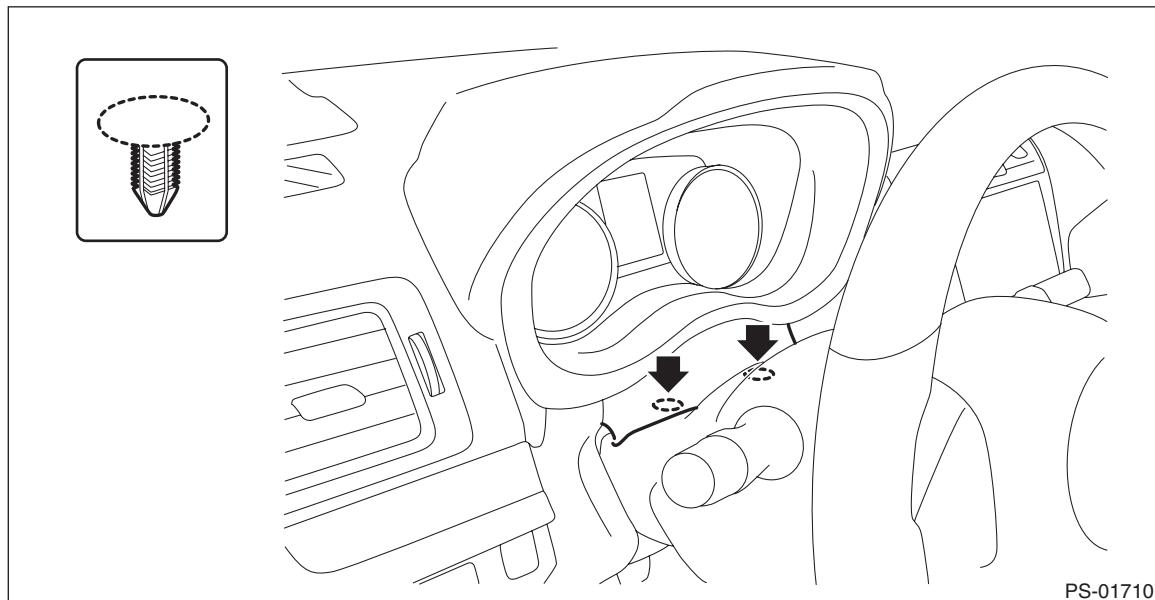
3) Remove the knee airbag module. <Ref. to AB-35, REMOVAL, Knee Airbag Module.>

4) Remove the driver's airbag module. <Ref. to AB-33, REMOVAL, Driver's Airbag Module.>

5) Remove the steering wheel. <Ref. to PS-16, REMOVAL, Steering Wheel.>

6) Remove the cover assembly - column.

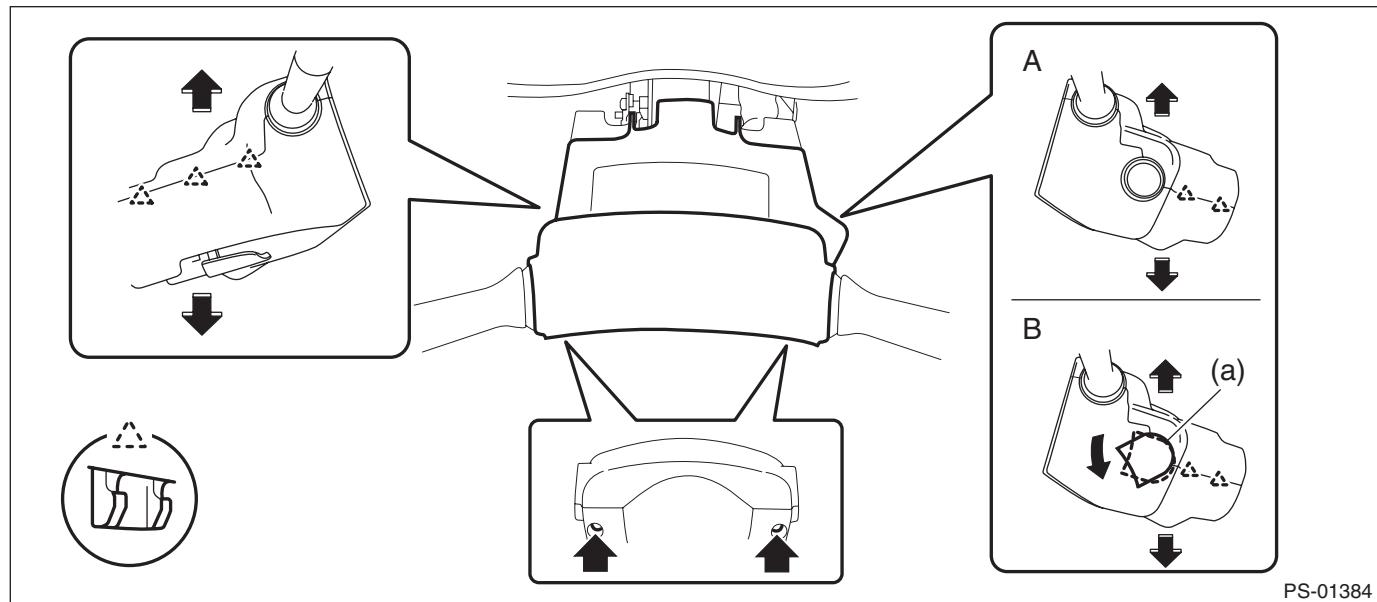
(1) Remove the clips, and remove the cover - column.



# Steering Column

## POWER ASSISTED SYSTEM (POWER STEERING)

- (2) Remove the screws.
- (3) Remove the cap - key cylinder (a). (Model with keyless access)
- (4) Release the claw, and remove the cover assembly - column UPR and the cover assembly - column LWR.

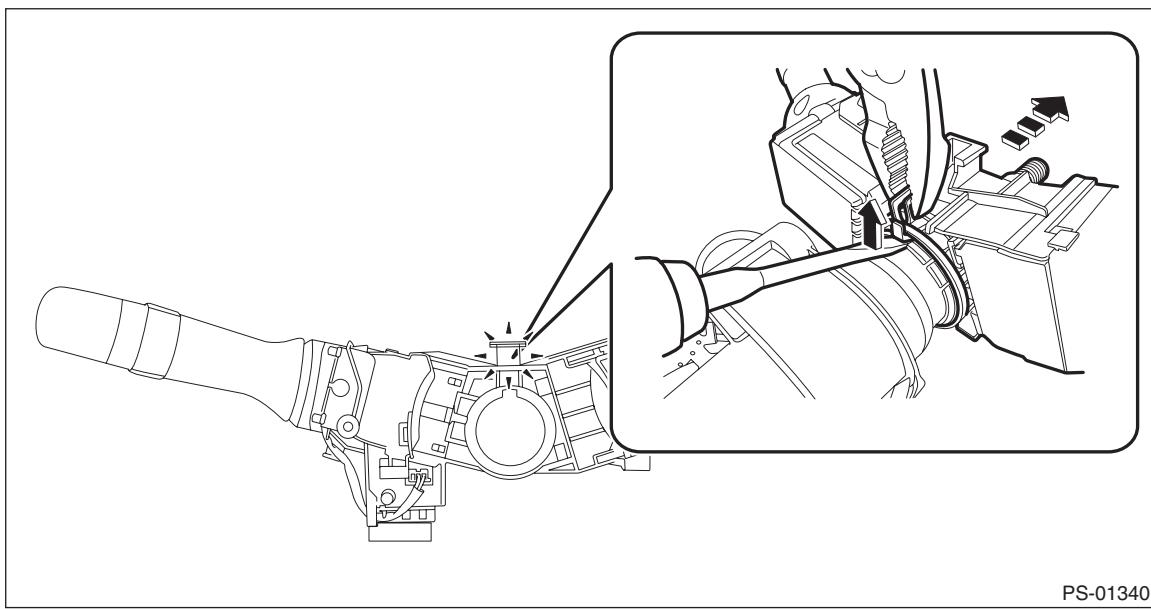


A Model without keyless access

B Model with keyless access

- 7) Remove the switch assembly - combination.

- (1) Disconnect the connector, and loosen the clamp to release the claws.
- (2) Pull out the switch assembly - combination from the column assembly - steering.



## Steering Column

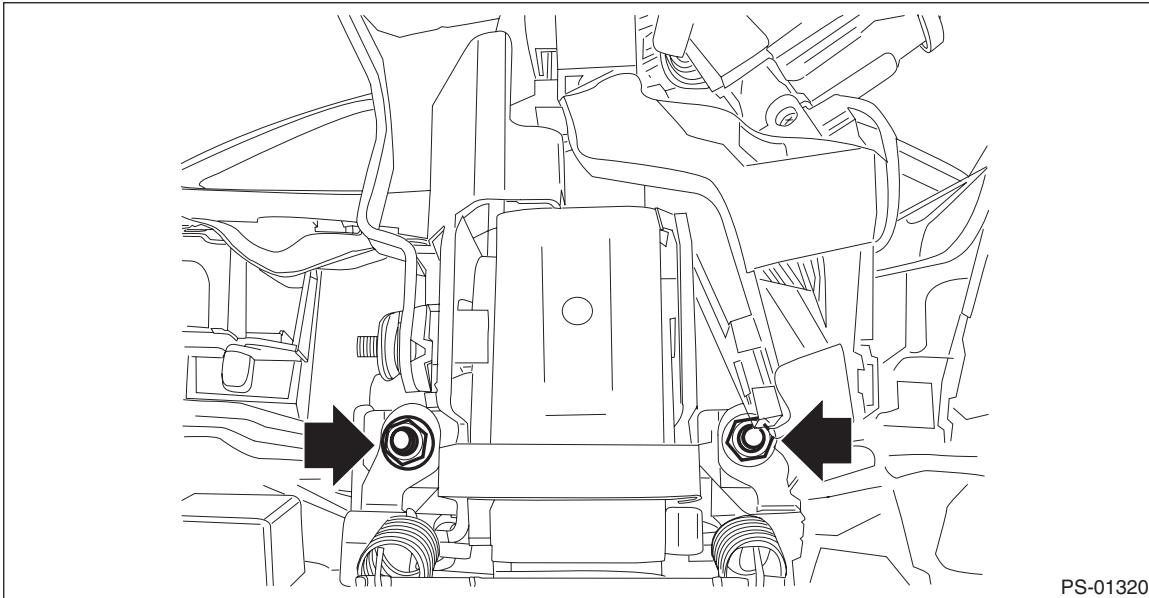
### POWER ASSISTED SYSTEM (POWER STEERING)

- 8) Remove all connectors from the column assembly - steering.
- 9) Remove the universal joint assembly - steering. <Ref. to PS-21, REMOVAL, Universal Joint.>

**CAUTION:**

**To prevent damage to the universal joint assembly - steering and improper steering effort, make sure to remove the universal joint assembly - steering.**

- 10) Remove the nut under the beam COMPL - steering securing the column assembly - steering.



- 11) Pull out the column assembly - steering from the hole on toe board.

**CAUTION:**

**Do not loosen the tilt lever when the column assembly - steering is not secured to the vehicle.**

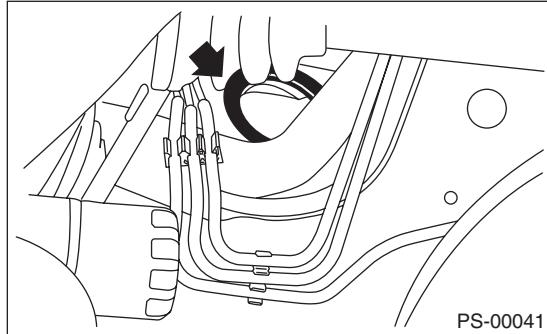
- 12) Remove the ignition key lock. <Ref. to SL-64, REPLACEMENT, Ignition Key Lock.>

## B: INSTALLATION

### CAUTION:

- When removing, installing or replacing the VDCCM&H/U, VDCCM&H/U bracket, steering wheel or steering angle sensor (steering roll connector), perform “VDC sensor midpoint setting mode” of the VDC. <Ref. to VDC-16, VDC SENSOR MIDPOINT SETTING MODE, ADJUSTMENT, VDC Control Module and Hydraulic Control Unit (VDCCM&H/U).>
- Before performing service on the airbag module, always refer to “CAUTION” of “General Description” in “AIRBAG SYSTEM” section. <Ref. to AB-9, CAUTION, General Description.>

1) Install the bushing to the toe board.



2) Insert the end of the column assembly - steering into the toe board bushing.

3) Tighten the column assembly - steering installation nut located under the beam COMPL - steering with the tilt lever fixed.

### ***Tightening torque:***

***20 N·m (2.0 kgf·m, 14.8 ft-lb)***

- 4) Install the ignition key lock. <Ref. to SL-64, REPLACEMENT, Ignition Key Lock.>
- 5) Install the switch assembly - combination.
- 6) Connect all the connectors under the instrument panel.
- 7) Install the universal joint assembly - steering. <Ref. to PS-22, INSTALLATION, Universal Joint.>

### CAUTION:

- Always install the universal joint assembly - steering after installing the steering column to avoid damage to the universal joint assembly - steering.
- Be sure to follow the tightening order and tightening torque of the universal joint assembly - steering to avoid the steering effort from becoming heavy.

- 8) Install the knee airbag module. <Ref. to AB-35, INSTALLATION, Knee Airbag Module.>
- 9) Install the cover assembly - instrument panel LWR driver.
- 10) Install the cover assembly - column.
- 11) Align the center position of the steering roll connector. <Ref. to AB-64, ADJUSTMENT, Roll Connector.>
- 12) Install the steering wheel.

### ***Tightening torque:***

***Steering wheel: 39 N·m (4.0 kgf·m, 28.8 ft-lb)***

### ***Clearance:***

***Between cover assembly - column and steering wheel: 4 — 6 mm (0.16 — 0.24 in)***

- 13) Install the driver's airbag module. <Ref. to AB-34, INSTALLATION, Driver's Airbag Module.>
- 14) Connect the battery ground terminal. <Ref. to NT-5, BATTERY, NOTE, Note.>

### **NOTE:**

For models other than STI model, connect the ground terminal to battery sensor.

### C: INSPECTION

#### 1. UNIT INSPECTION

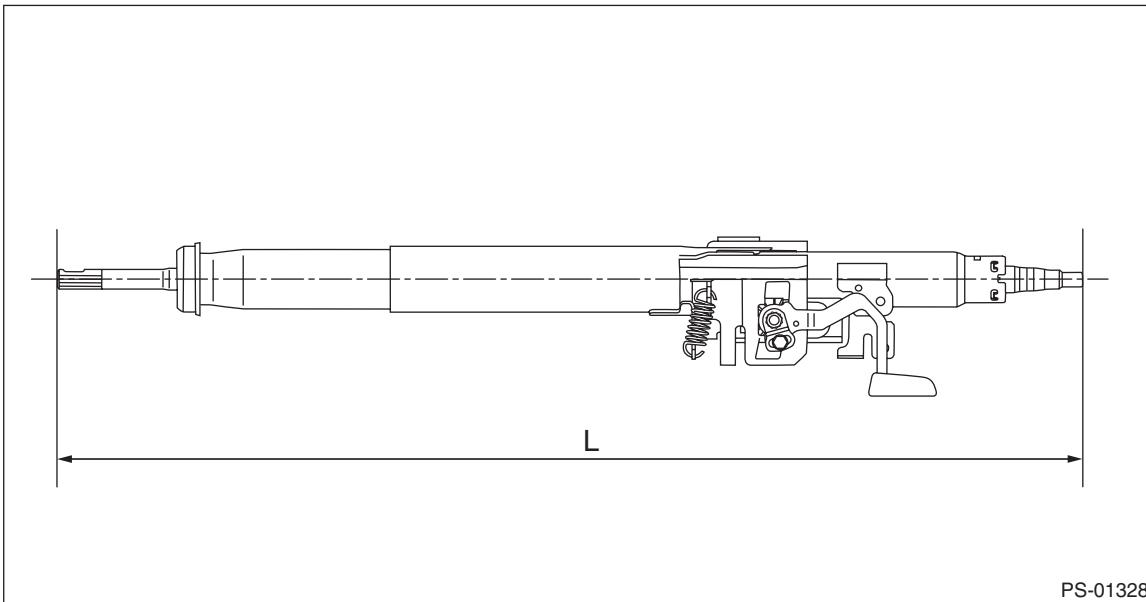
Check the following items, and if there is anything out of standard value, it is considered to be damaged. If so, replace it with a new part.

- Measure the whole length of the column assembly - steering.

**Standard: Overall length L**

**Tilt and telescopic column (measure while minimized)**

**$819.7^{+1.5}_{-1.5}$  mm (32.27 $^{+0.059}_{-0.059}$  in)**

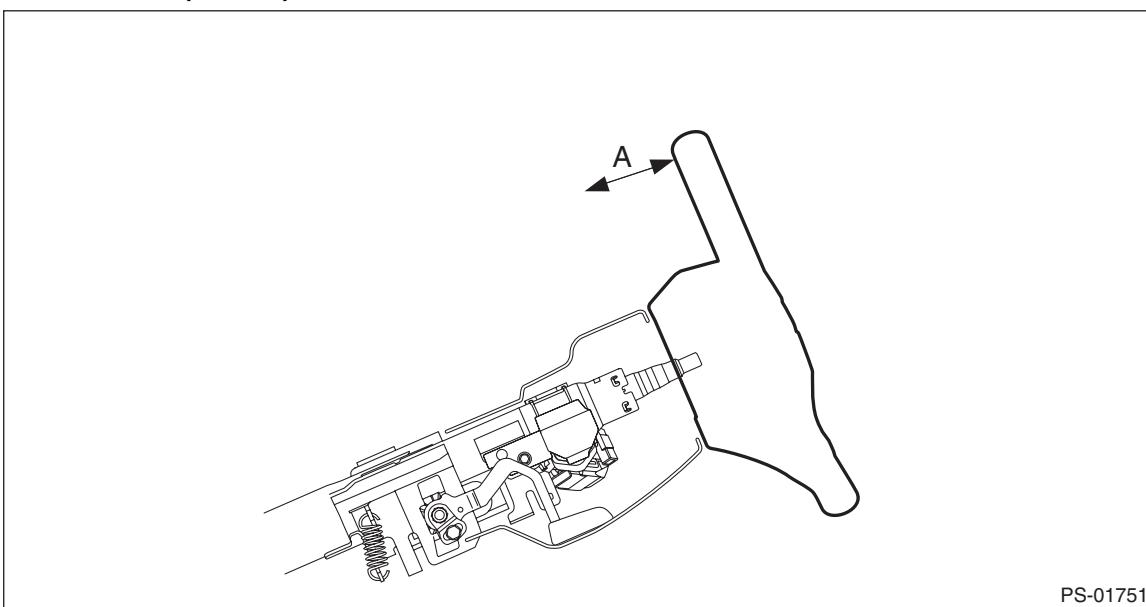


- Check the steering wheel deflection in axial and vertical directions.

**Specification:**

**Axial deflection A (deflection of steering wheel)**

**Less than 6 mm (0.24 in)**



#### 2. INSPECTION OF AIRBAG SYSTEM

Refer to "AIRBAG SYSTEM" section for airbag inspection procedure. <Ref. to AB-34, INSTALLATION, Driver's Airbag Module.>