

# Steering Wheel

## POWER ASSISTED SYSTEM (POWER STEERING)

### 3. Steering Wheel

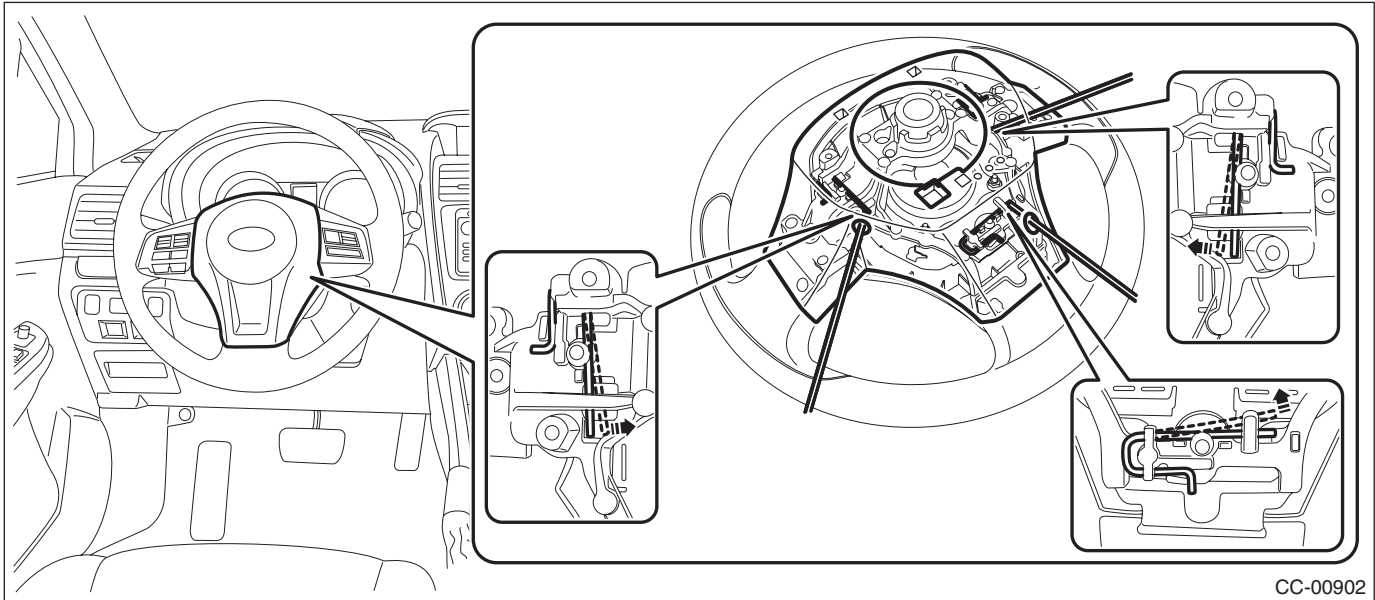
#### A: REMOVAL

- 1) Disconnect the negative terminal from the battery, and wait for 60 seconds or more.
- 2) Set the tire to the straight-ahead position.
- 3) Remove the driver's airbag module.

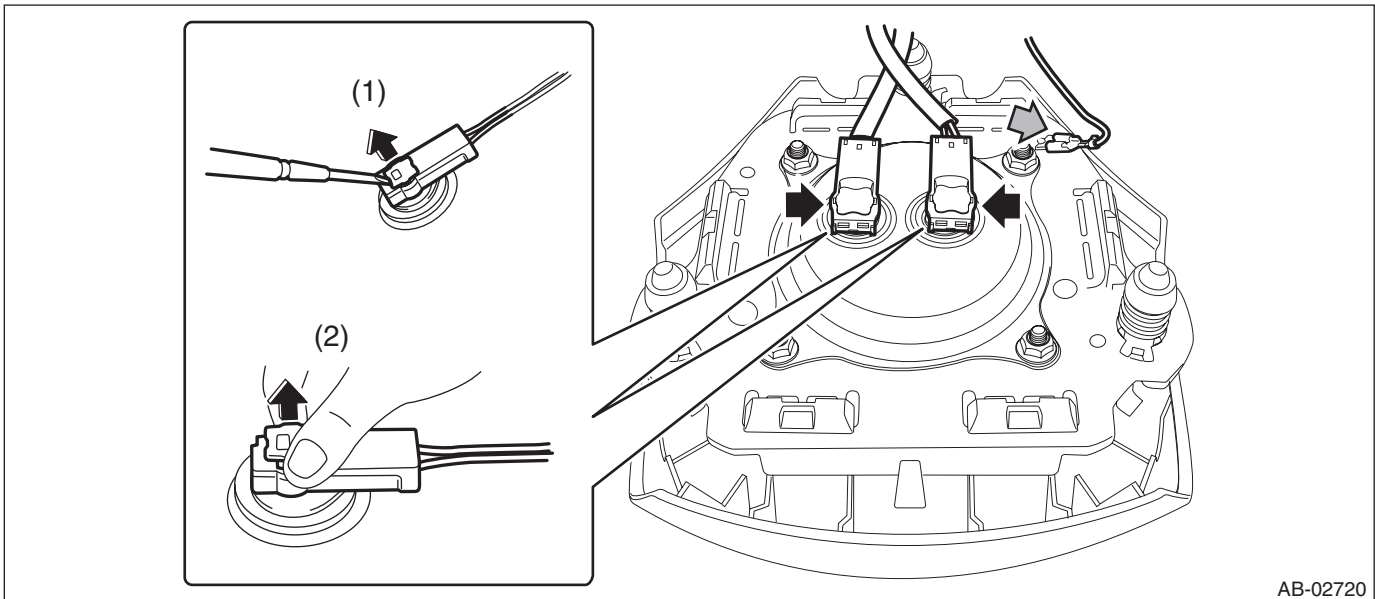
#### CAUTION:

Before performing service on the airbag module, always refer to “CAUTION” of “General Description” in “AIRBAG SYSTEM” section. <Ref. to AB-11, CAUTION, General Description.>

- (1) Using a hexagon wrench wrapped with protective tape, push in the snap pins to disengage the locks (3 places).



- (2) Disconnect the horn harness and airbag connector, and remove the airbag module. <Ref. to AB-24, DRIVER'S AIRBAG MODULE, CURTAIN AIRBAG MODULE & PRETENSIONER, PROCEDURE, Air-bag Connector.>



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4) Remove the steering wheel.

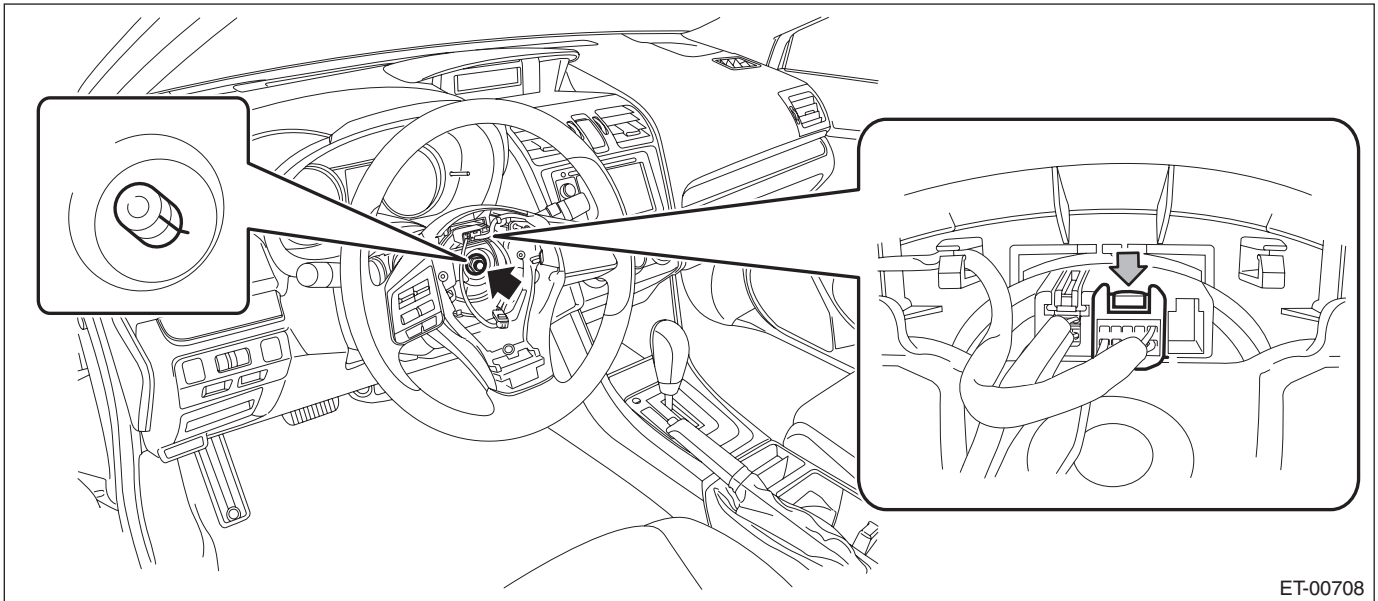
## CAUTION:

- Always use the steering wheel puller for removal to avoid deforming the steering wheel.
- If the steering wheel has been removed, make sure that the steering roll connector is not turned from the original position.

## PREPARATION TOOL:

### *Steering wheel puller*

- (1) Disconnect the connector and remove the nut.
- (2) Put alignment marks and remove the steering wheel.



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### B: INSTALLATION

#### CAUTION:

- Before handling the airbag module, refer to “CAUTION” of “General Description” in “AIRBAG SYSTEM”. <Ref. to AB-11, CAUTION, General Description.>
  - Be careful not to damage the curtain airbag module during removal.
  - If the steering wheel and steering angle sensor are removed, perform “VDC sensor midpoint setting mode” of the VDC. <Ref. to VDC-19, VDC SENSOR MIDPOINT SETTING MODE, ADJUSTMENT, VDC Control Module and Hydraulic Control Unit (VDCCM&H/U).>
- 1) Align the center position of the roll connector. <Ref. to AB-109, ADJUSTMENT, Roll Connector.>
  - 2) Install each part in the reverse order of removal.

#### NOTE:

Align the alignment marks on the steering wheel and the column assembly - steering.

#### Tightening torque:

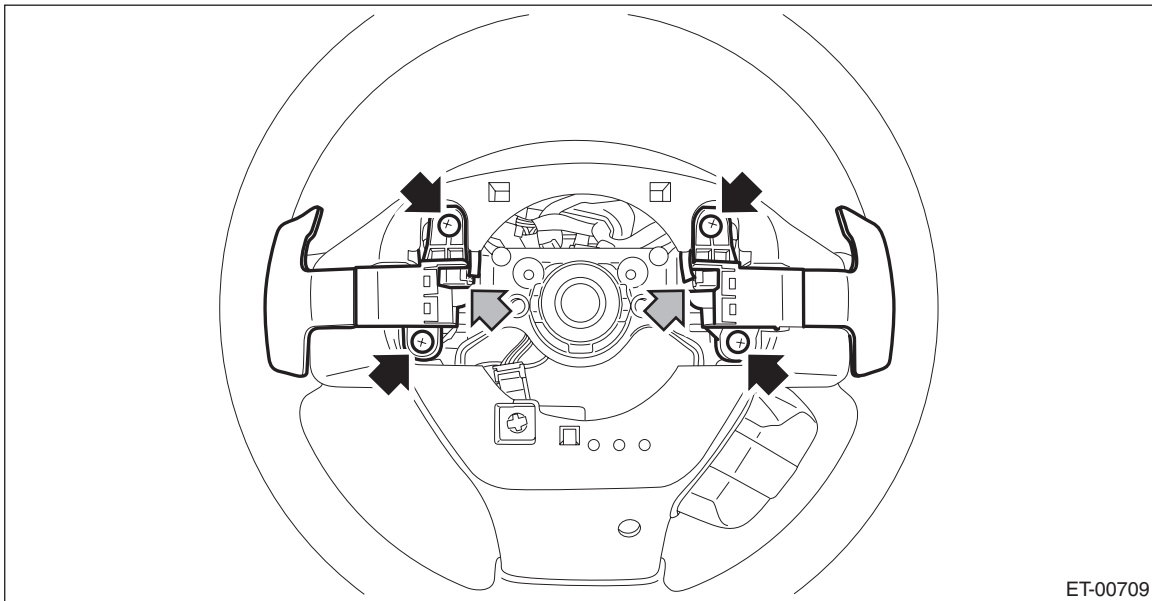
*Steering wheel: 39 N·m (3.98 kgf-m, 28.8 ft-lb)*

#### Clearance:

*Cover assembly - column to Steering wheel: 4 — 6 mm (0.16 — 0.24 in)*

### C: DISASSEMBLY

- 1) Remove the screw, disconnect the connector and remove the paddle shift switch. (Model with paddle shift)



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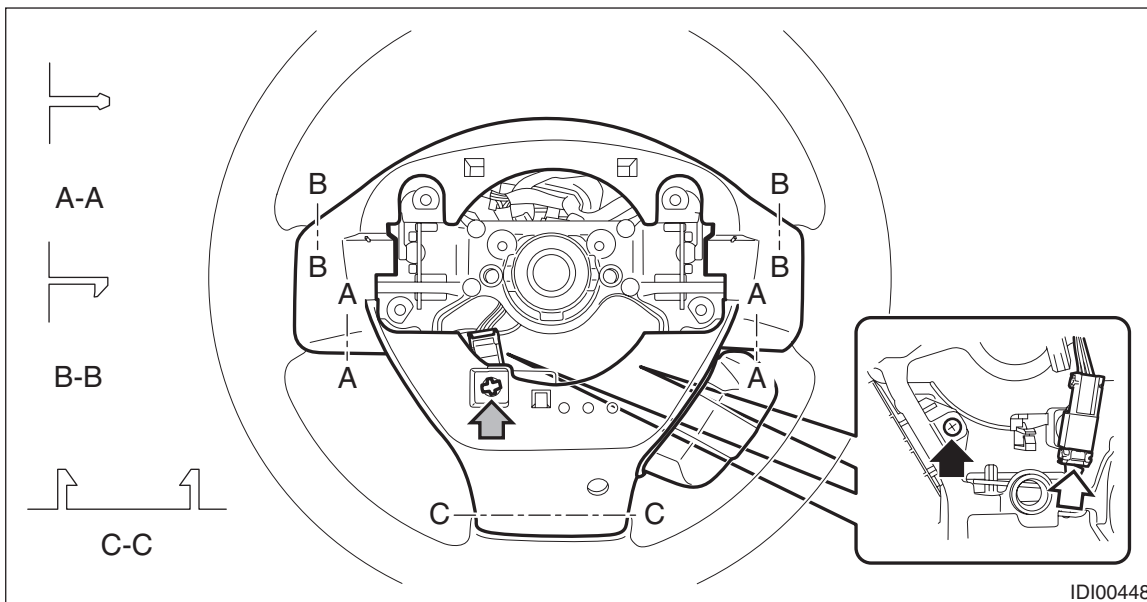
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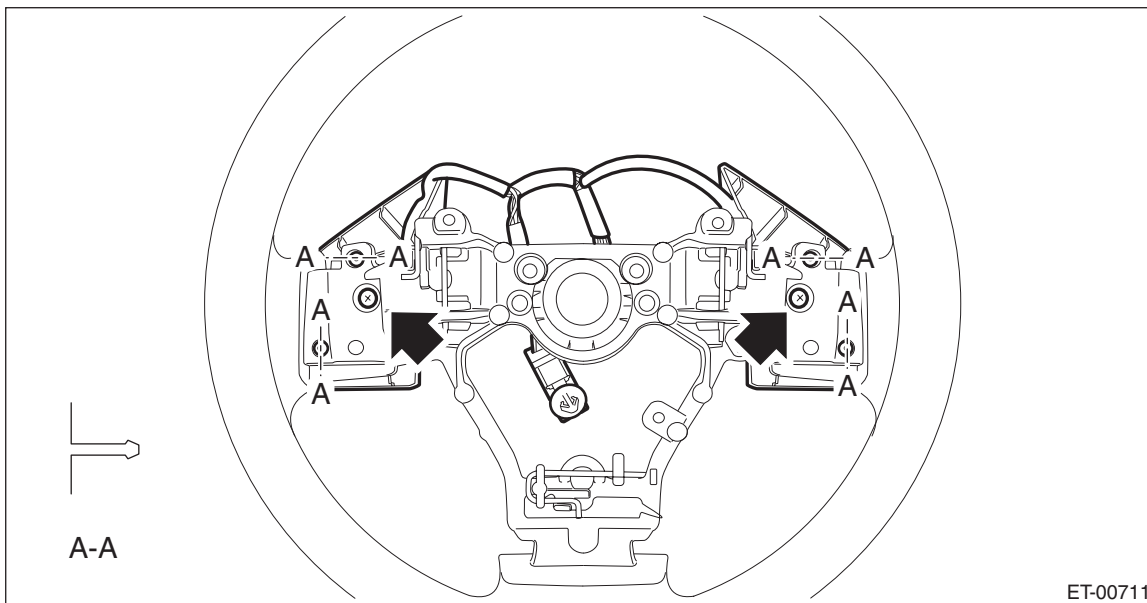
2) Release the claws and clips, and remove the cover - steering wheel LWR.

### NOTE:

For model with steering switch, remove the connector and screw.



3) Remove the screws and then remove the satellite switch assembly.



## D: ASSEMBLY

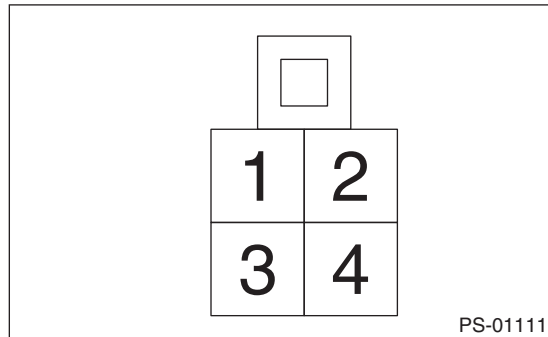
Assemble each part in the reverse order of disassembly.

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### E: INSPECTION

Check the resistance of paddle switch.



Step	Check	Yes	No
<b>1</b> <b>SHIFT-UP SWITCH CONTINUITY CHECK.</b> 1) Operate the + side of paddle shift assembly and hold it. 2) Measure the resistance between the paddle shift assembly connectors. <b>Terminals</b> <b>No. 1 — No. 3:</b>	Is the resistance less than 10 $\Omega$ ?	Go to step 2.	Replace the paddle shift assembly.
<b>2</b> <b>SHIFT-DOWN SWITCH CONTINUITY CHECK.</b> 1) Operate the – side of paddle shift assembly and hold it. 2) Measure the resistance between the paddle shift assembly connectors. <b>Terminals</b> <b>No. 1 — No. 4:</b>	Is the resistance less than 10 $\Omega$ ?	Go to step 3.	Replace the paddle shift assembly.
<b>3</b> <b>CHECK SHIFT SWITCH INSULATION.</b> 1) Do not operate the paddle shift assembly. 2) Measure the resistance between the paddle shift assembly connectors. <b>Terminals</b> <b>No. 1 — No. 3:</b> <b>No. 1 — No. 4:</b>	Is the resistance 1 M $\Omega$ or more?	Paddle shift assembly is normal.	Replace the paddle shift assembly.

Replace the paddle switch if the inspection result is not within the standard.