

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.

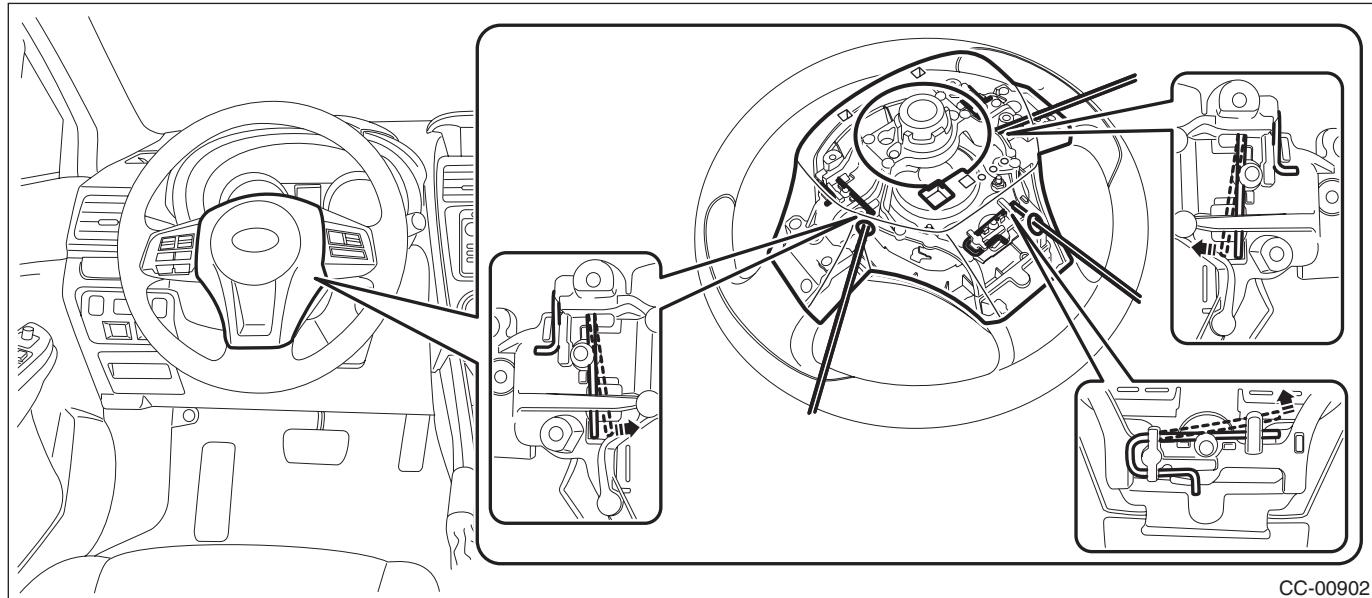
2) Set the tire to the straight-ahead position.

3) Remove the driver's airbag module.

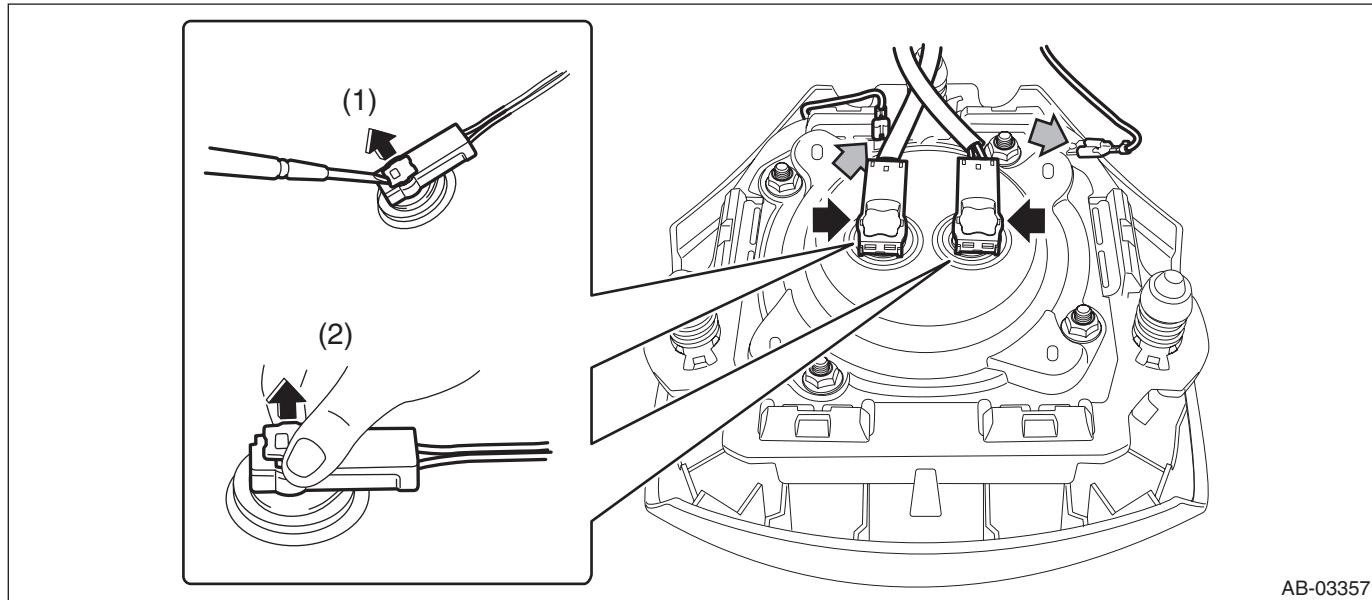
CAUTION:

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

(1) Using a hexagon wrench etc. wrapped by protective tape, insert the snap pins and release the locks (3 locations).



(2) Disconnect the horn harness and airbag connector, and remove the airbag module. <Ref. to AB-21, DRIVER'S AIRBAG MODULE, KNEE AIRBAG MODULE, CURTAIN AIRBAG MODULE AND PRETENSIONER, PROCEDURE, Airbag Connector.>



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4) Remove the steering wheel.

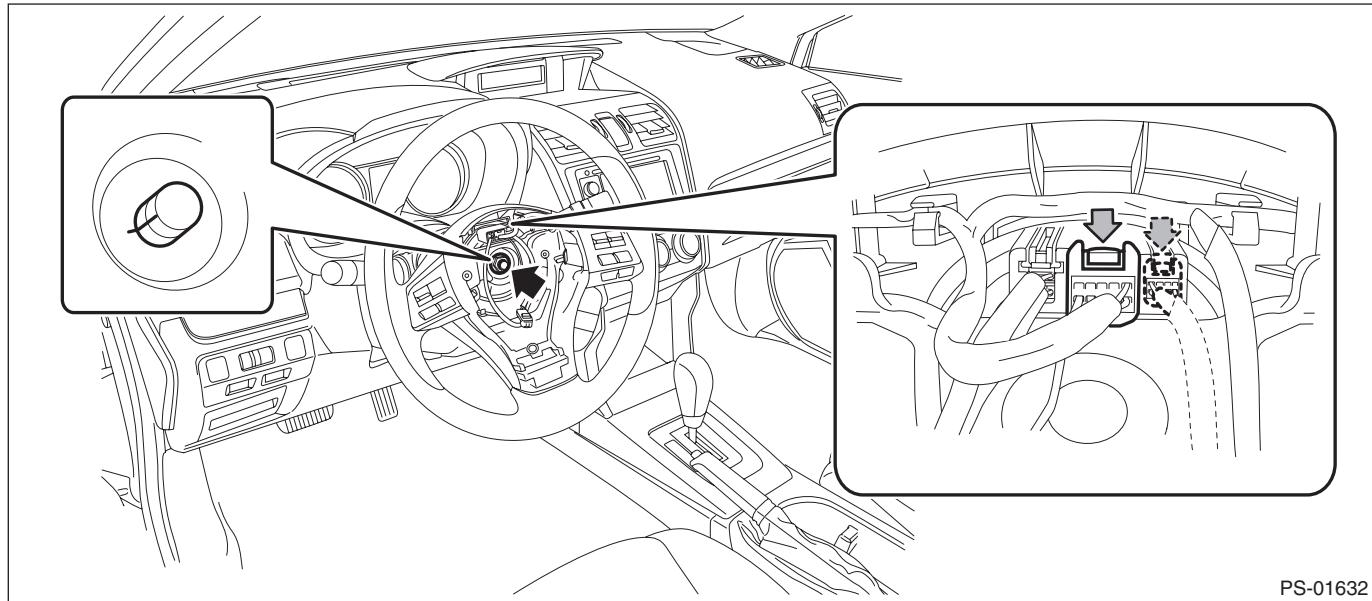
CAUTION:

- 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-9, 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-23, ADJUSTMENT, VDC Control Module and Hydraulic Control Unit (VDCCM&H/U).>

- 1) Align the center position of the roll connector. <Ref. to AB-103, 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:

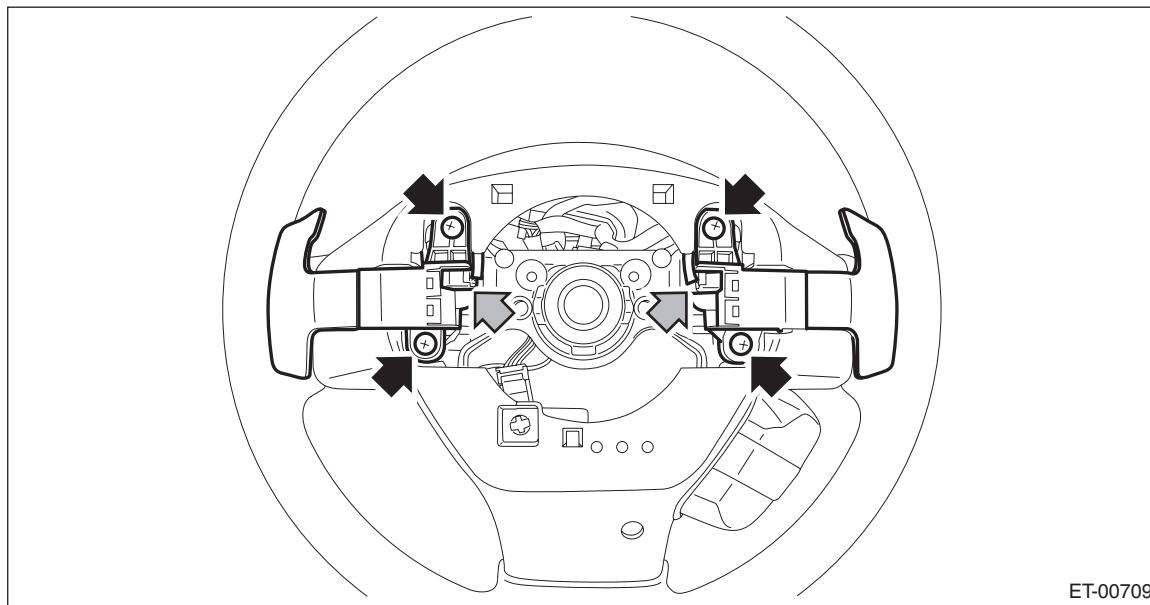
Steering wheel: 39 N·m (3.98 kgf·m, 28.8 ft-lb)

Clearance:

Between cover assembly - column and 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)



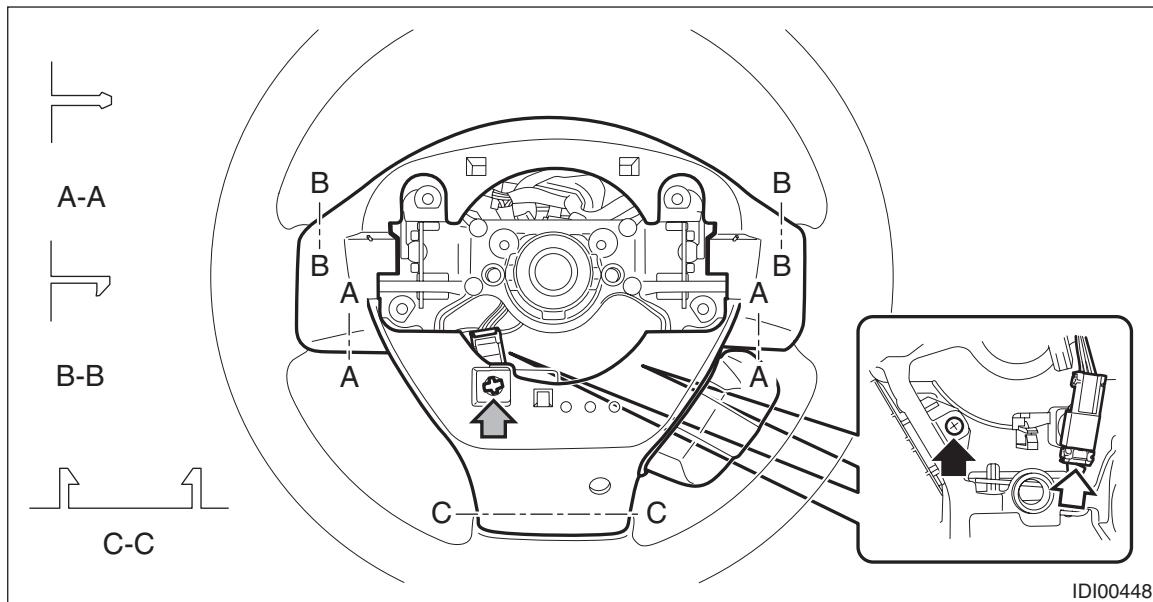
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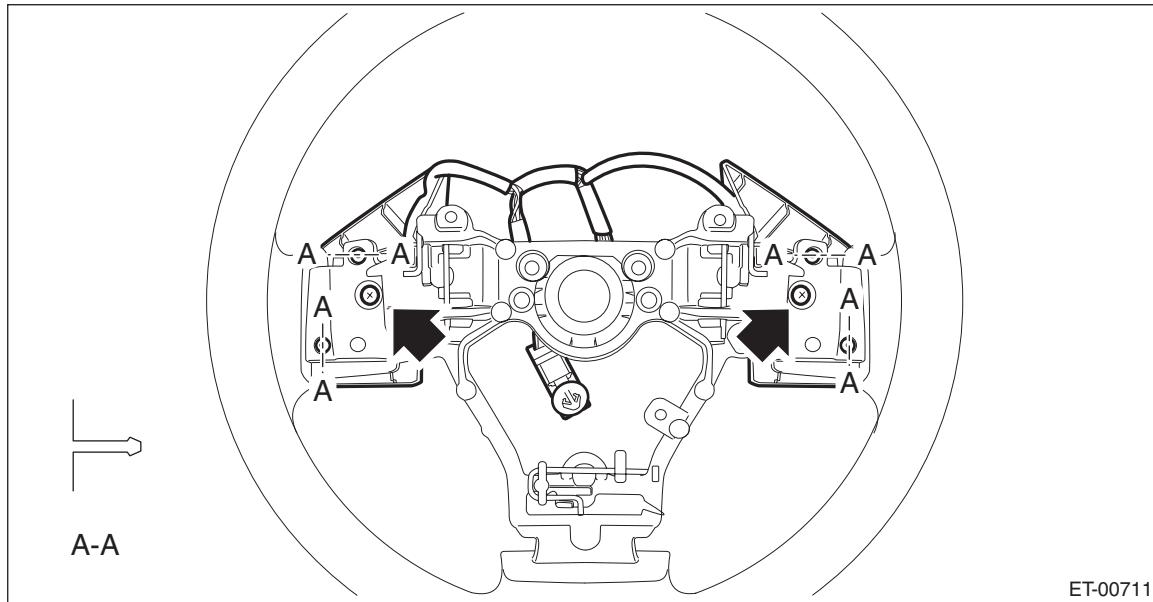
2) Release the claws and clips, and remove the cover - steering wheel LWR.

NOTE:

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



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



D: ASSEMBLY

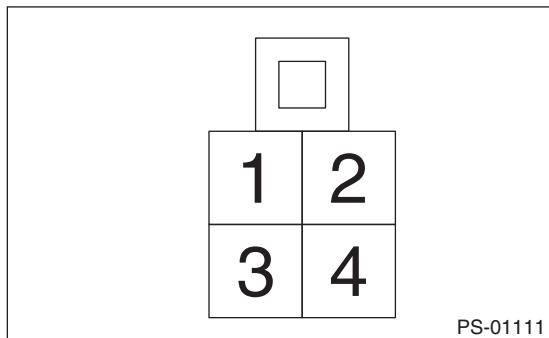
Assemble each part in the reverse order of disassembly.

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E: INSPECTION

Check the resistance of paddle switch.



Step	Check	Yes	No
1 SHIFT-UP SWITCH CONTINUITY CHECK. 1) Operate the + side of paddle shift assembly and hold it. 2) Measure the resistance between terminals of the paddle shift assembly connector. <i>Terminals</i> <i>No. 4 — No. 3:</i>	Is the resistance less than 10 Ω ?	Go to step 2.	Replace the paddle shift assembly.
2 SHIFT-DOWN SWITCH CONTINUITY CHECK. 1) Operate the – side of paddle shift assembly and hold it. 2) Measure the resistance between terminals of the paddle shift assembly connector. <i>Terminals</i> <i>No. 4 — No. 1:</i>	Is the resistance less than 10 Ω ?	Go to step 3.	Replace the paddle shift assembly.
3 CHECK SHIFT SWITCH INSULATION. 1) Do not operate the paddle shift assembly. 2) Measure the resistance between terminals of the paddle shift assembly connector. <i>Terminals</i> <i>No. 4 — No. 3:</i> <i>No. 4 — No. 1:</i>	Is the resistance 1 M Ω 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 value.