

Combination Switch (Light)

LIGHTING SYSTEM

12. Combination Switch (Light)

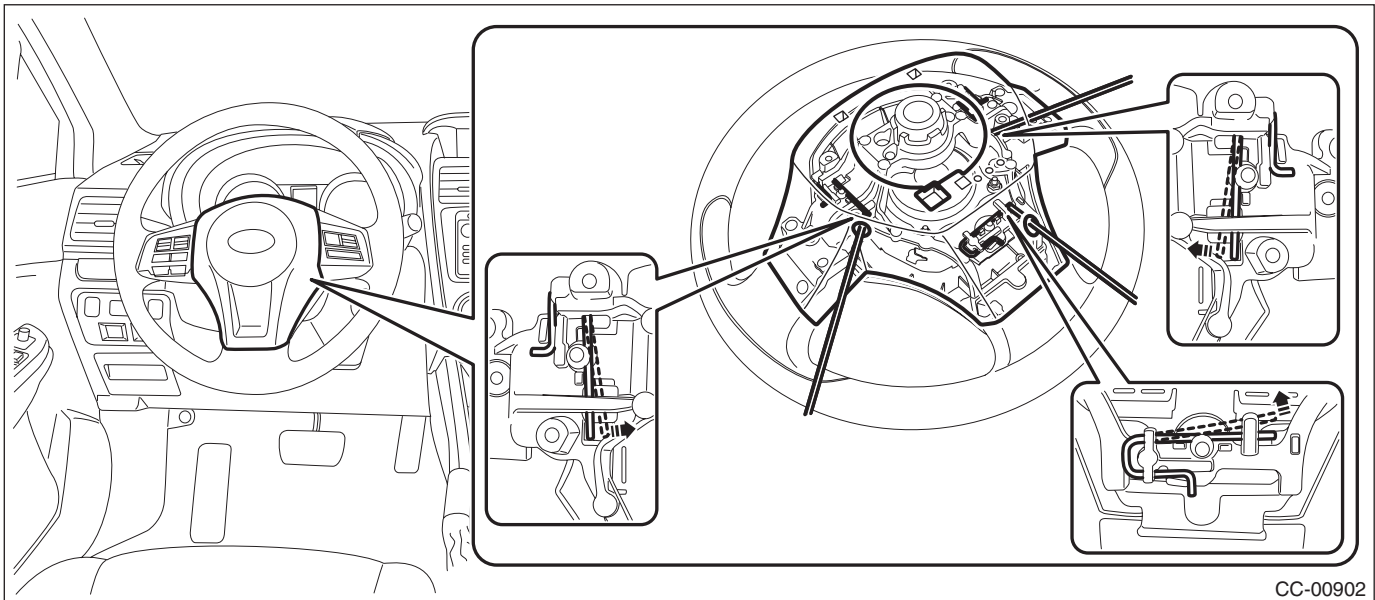
A: REMOVAL

- 1) Position the front wheels straight ahead. (After moving a vehicle 5 m (16 ft) or more with front wheels positioned straight ahead, make sure that the vehicle moves straight ahead.)
- 2) Turn the ignition switch to OFF.
- 3) Disconnect the ground cable from battery and wait for at least 60 seconds before starting work.
- 4) Remove the driver's airbag module.

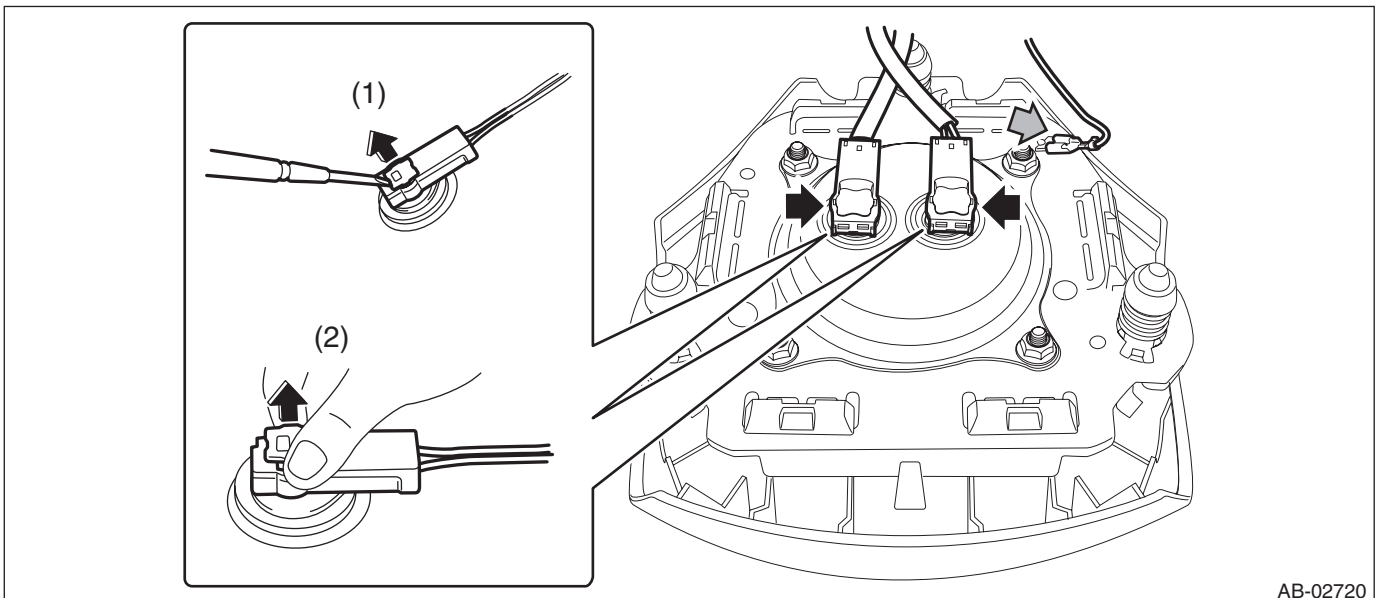
CAUTION:

Before handling the airbag module, refer to "CAUTION" of "General Description" in "AIRBAG SYSTEM". <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 driver's airbag module. <Ref. to AB-24, DRIVER'S AIRBAG MODULE, CURTAIN AIRBAG MODULE & PRETENSIONER, PROCEDURE, Airbag Connector.>



5) Remove the steering wheel.

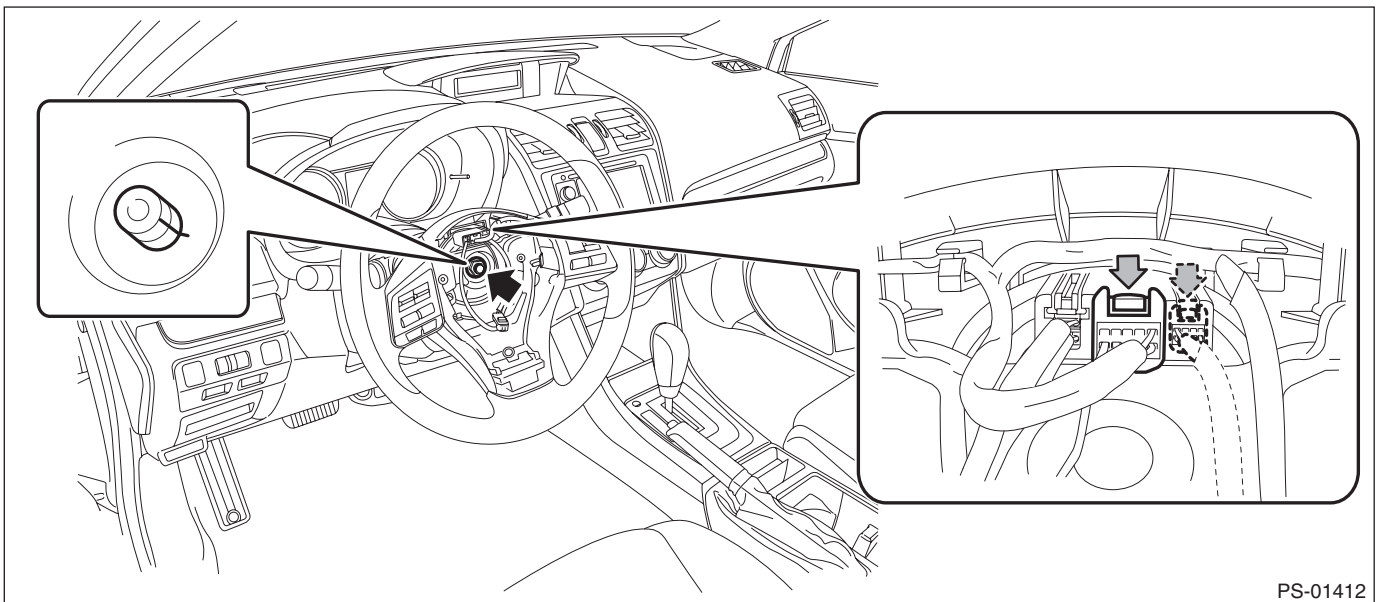
CAUTION:

- 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.

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

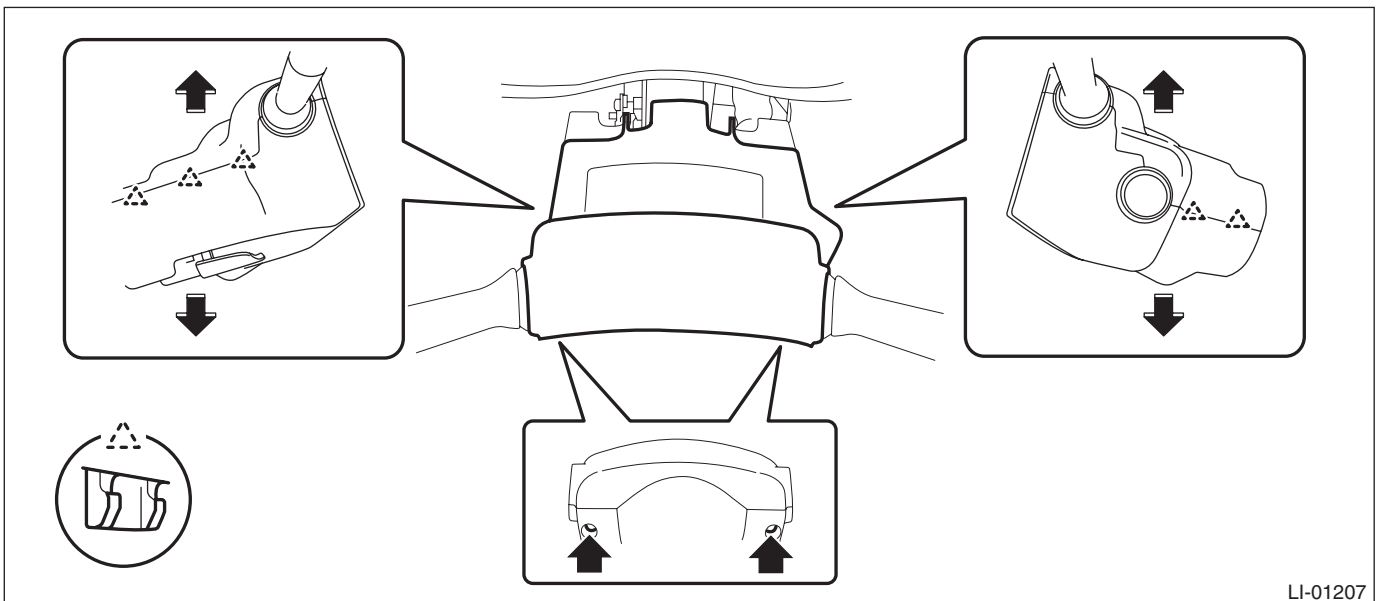
Preparation tool:

Steering wheel puller



6) Remove the cover assembly - column.

- (1) Remove the screws.
- (2) Release the claw, and remove the cover assembly - column UPR and the cover assembly - column LWR.



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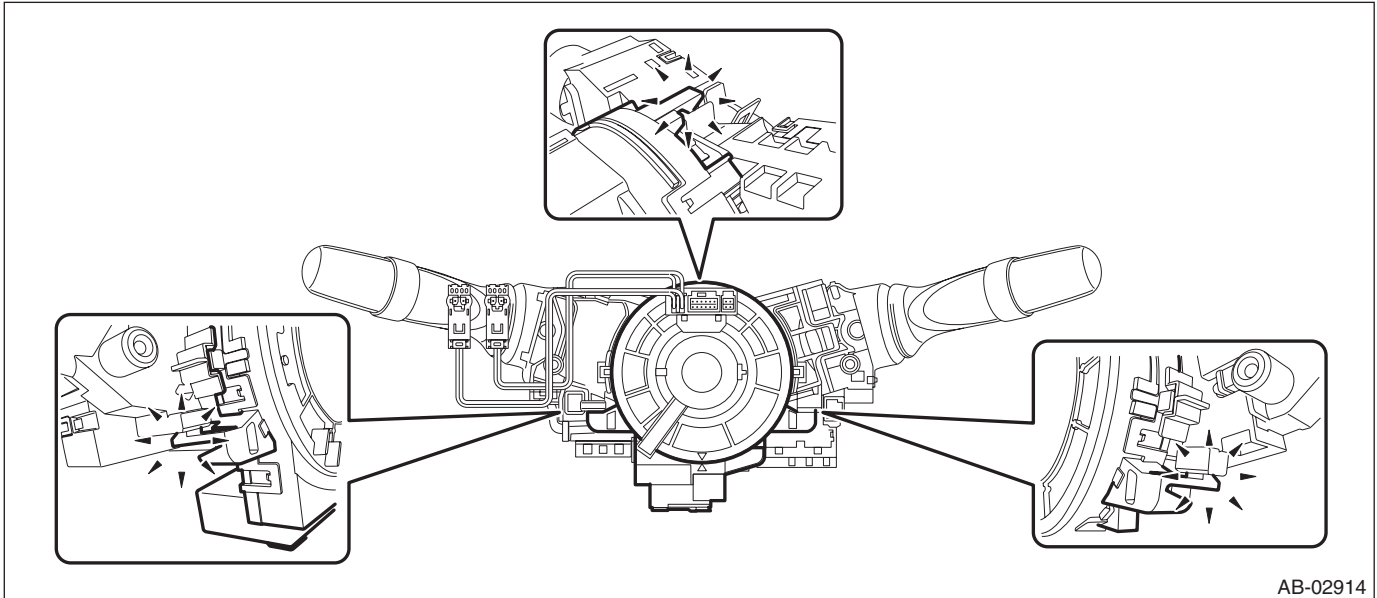
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7) Remove the steering roll connector.

CAUTION:

Make sure that the steering roll connector is not turned from the original position.

- (1) Disconnect the connector under the steering roll connector.
- (2) Release the claws and remove the steering roll connector.

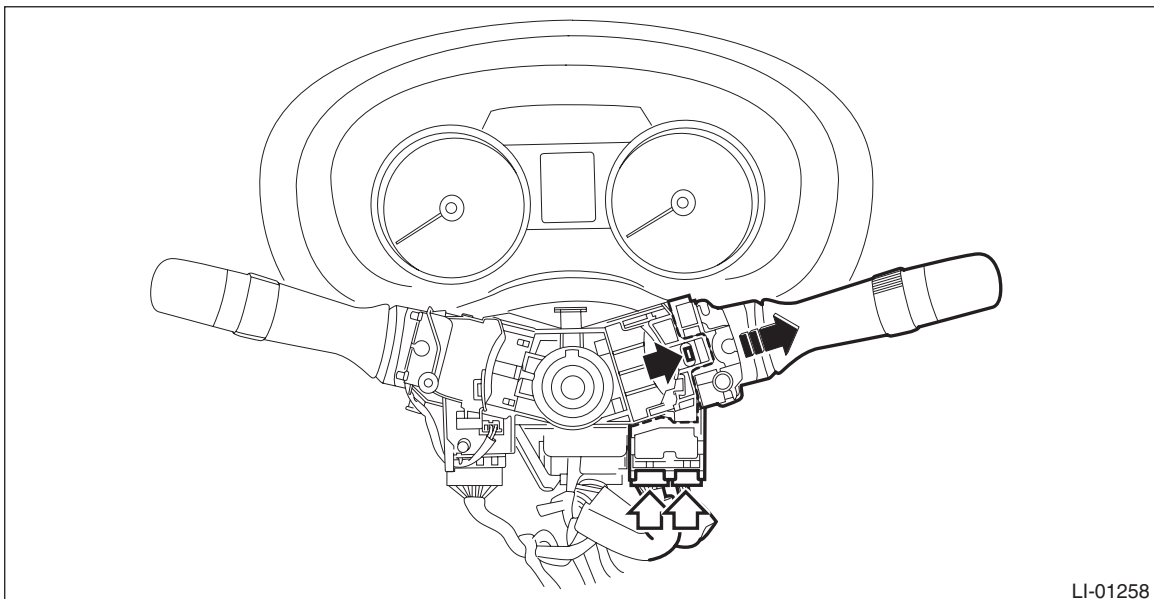


8) Remove the switch assembly - combination wiper select.

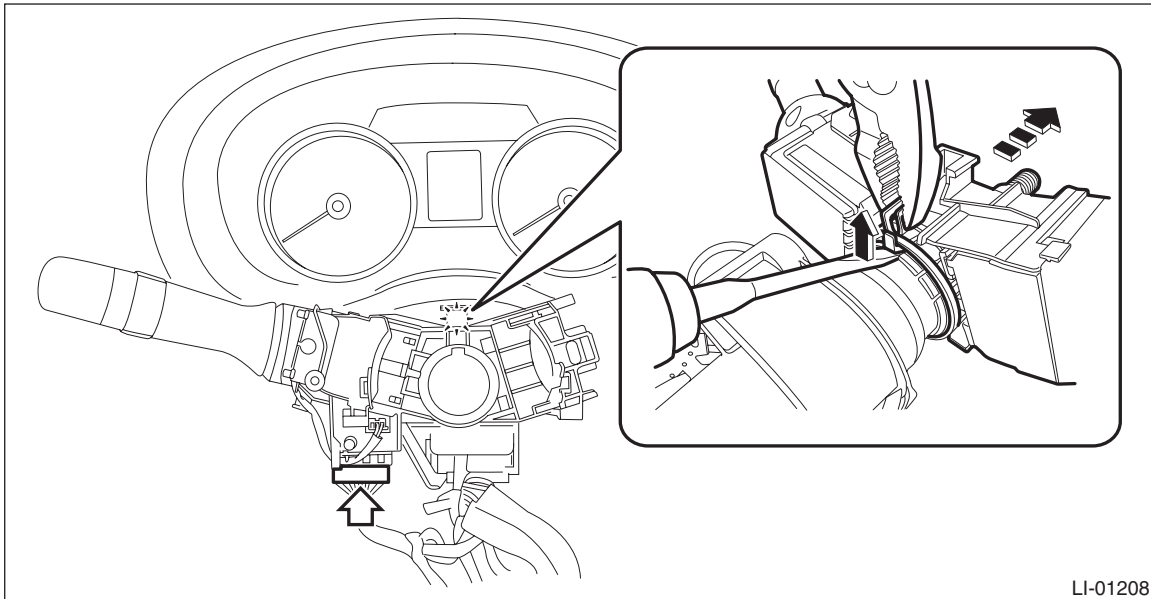
- (1) Disconnect the connector.
- (2) Release the claws, and pull out the switch assembly - combination wiper select.

CAUTION:

Do not press the claws with excessive force. They may be damaged.



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



B: INSTALLATION

CAUTION:

- Before handling the airbag module, refer to “CAUTION” of “General Description” in “AIRBAG SYSTEM”. <Ref. to AB-11, CAUTION, General Description.>
 - Do not allow harness and connectors to interfere or get tangled up with other parts.
 - If the steering wheel and steering angle sensor (steering roll connector) 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) Before installing steering wheel, be sure to adjust the direction of steering roll connector with steering wheel. <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:

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

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C: INSPECTION

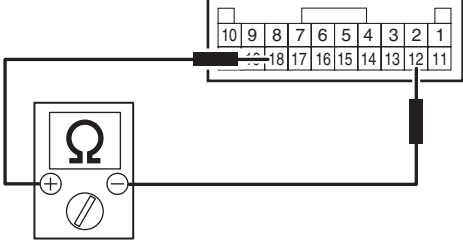
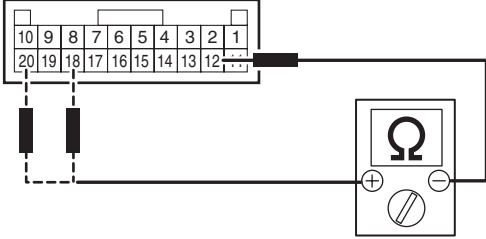
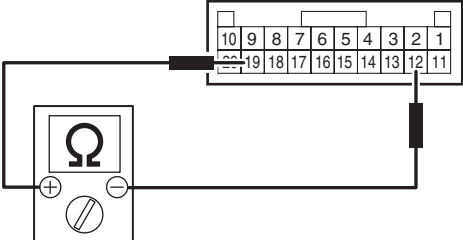
Unit inspection

Preparation tool:

Circuit tester

1) Check the resistance between switch terminals.

- Lighting switch

Terminal No.	Inspection conditions	Standard	Connection diagram
—	Switch OFF	1 MΩ or more	—
18 — 12	Switch 1 (TAIL)	Less than 1 Ω	 <p style="text-align: right;">LI-01244</p>
20, 18 — 12	Switch 2 (HEAD)	Less than 1 Ω	 <p style="text-align: right;">LI-01245</p>
19 — 12	Switch AUTO	Less than 1 Ω	 <p style="text-align: right;">LI-01246</p>

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- Dimmer & passing switch

Terminal No.	Inspection conditions	Standard	Connection diagram
11, 17 — 12	Switch PASS	Less than 1 Ω	<p style="text-align: right;">LI-01247</p>
11 — 12	Switch UP	Less than 1 Ω	<p style="text-align: right;">LI-01248</p>

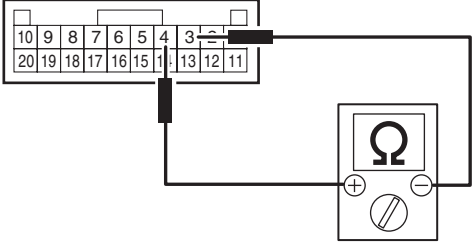
- Turn signal switch

Terminal No.	Inspection conditions	Standard	Connection diagram
13 — 12	Switch TURN (RH)	Less than 1 Ω	<p style="text-align: right;">LI-01249</p>
15 — 12	Switch TURN (LH)	Less than 1 Ω	<p style="text-align: right;">LI-01250</p>

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- Front fog light switch

Terminal No.	Inspection conditions	Standard	Connection diagram
4 — 3	Switch OFF	1 MΩ or more	 <p style="text-align: right;">LI-01251</p>
	Switch ON	Less than 1 Ω	

2) Replace the switch assembly - combination turn dimmer if the inspection result is not within the standard value.