

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. <Ref. to NT-5, BATTERY, NOTE, Note.>

NOTE:

For the 12 volt engine restart battery of HEV model, disconnect the ground terminal from 12V engine restart battery sensor.

4) Remove the driver's airbag module. <Ref. to AB-32, REMOVAL, Driver's Airbag Module.>

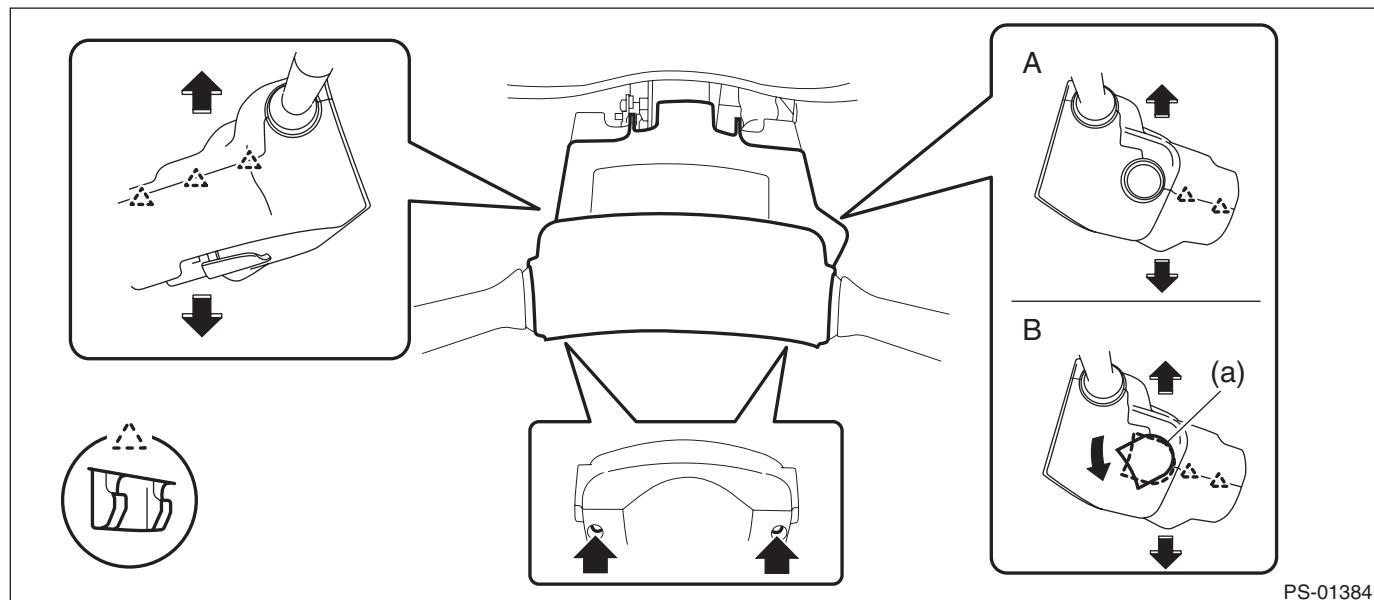
5) Remove the steering wheel. <Ref. to PS-8, REMOVAL, Steering Wheel.>

6) Remove the cover assembly - column.

(1) Release the screws and claws.

(2) Remove the cap - key cylinder (a). (Model with keyless access with push button start)

(3) Release the claw, and remove the cover assembly - column UPR and the cover assembly - column LWR.



A Model without keyless access with push button start

B Model with keyless access with push button start

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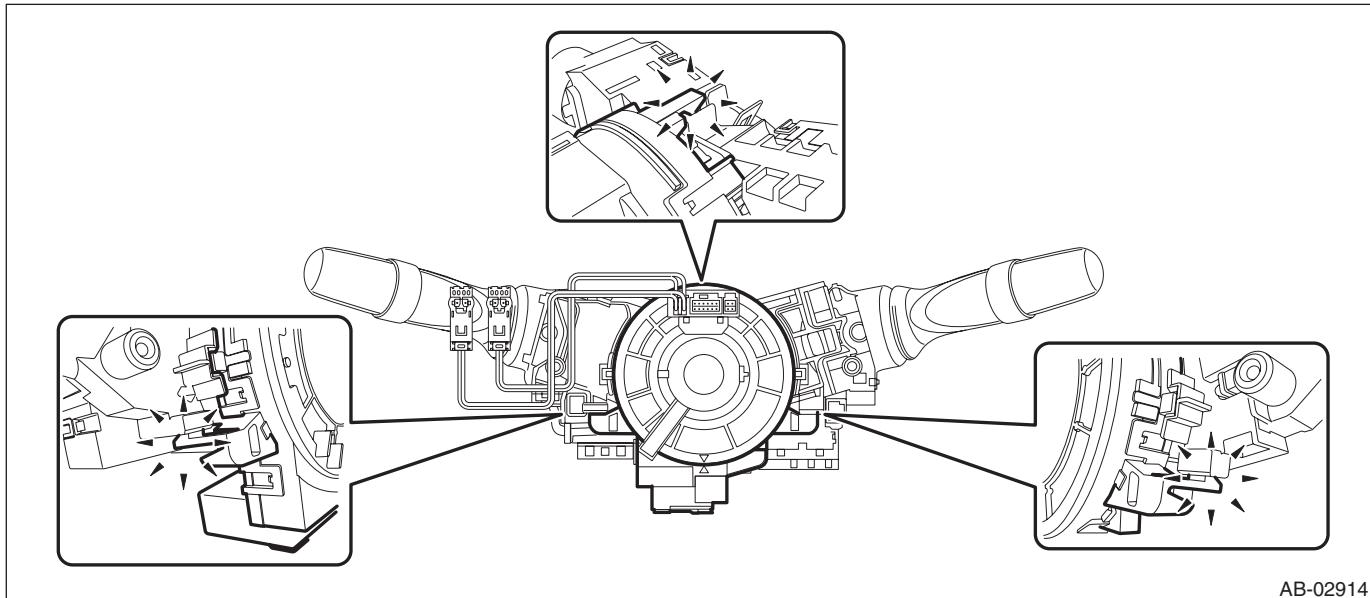
LIGHTING SYSTEM

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.

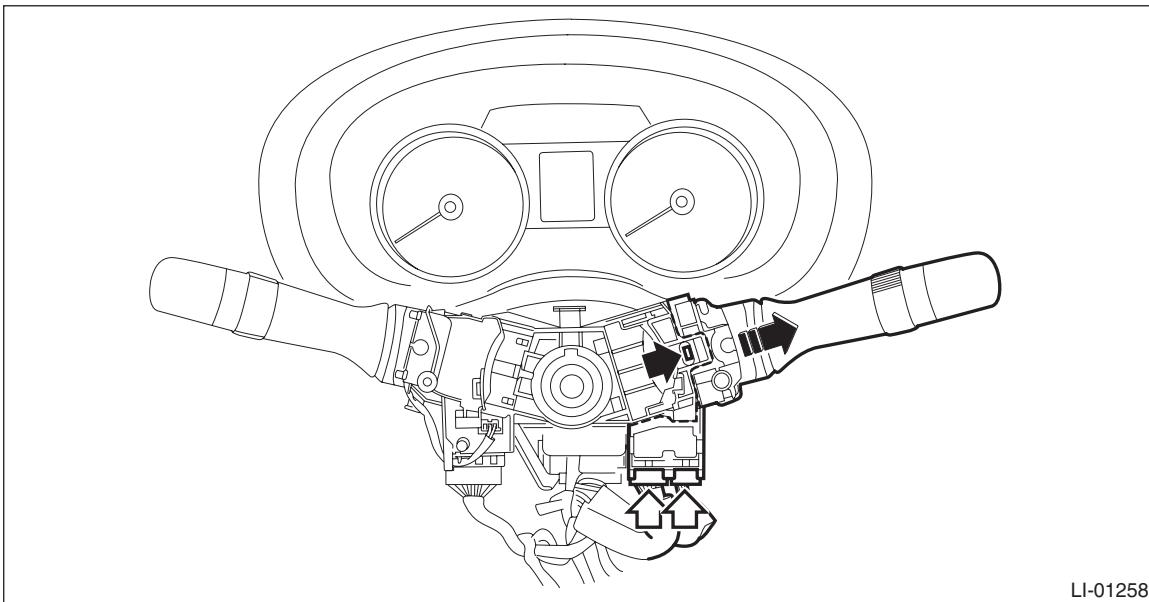


8) Remove the switch assembly - combination wiper select.

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

CAUTION:

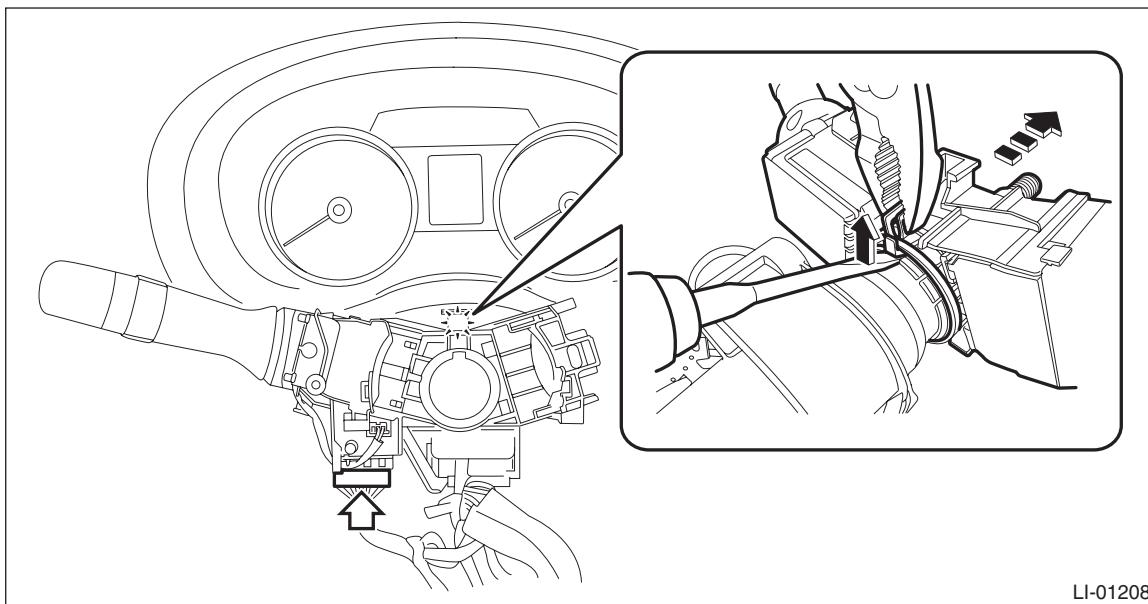
Do not press the claws with excessive force. They may be damaged.



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.



LI-01208

B: INSTALLATION

CAUTION:

- Before handling the airbag module, refer to “CAUTION” of “General Description” in “AIRBAG SYSTEM”. <Ref. to AB-10, 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 the VDC setting mode. <Ref. to VDC-26, 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-98, 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

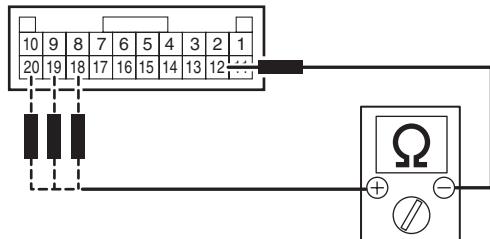
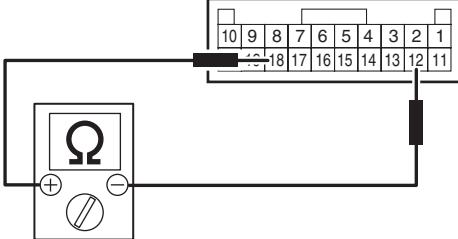
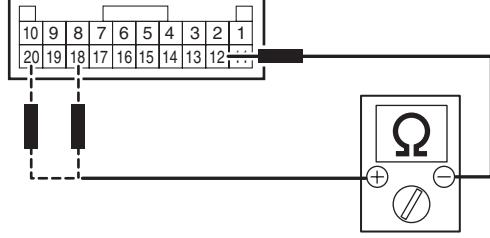
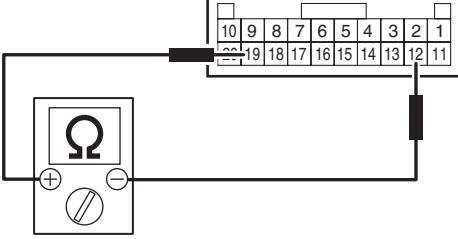
UNIT INSPECTION

Preparation tool:

Circuit tester

1) Check the resistance between switch terminals.

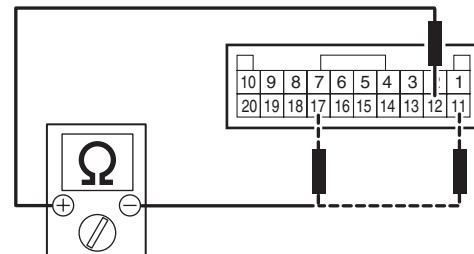
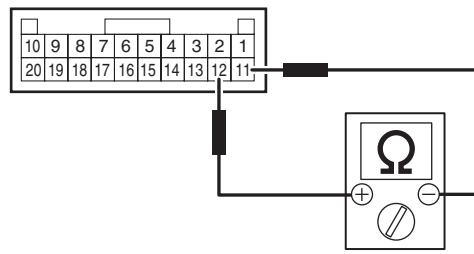
- Lighting switch

Terminal No.	Inspection conditions	Standard	Connection diagram
18, 19, 20 — 12	Switch OFF	1 M Ω or more	 LI-01685
18 — 12	Switch 1 (TAIL)	Less than 1 Ω	 LI-01244
20, 18 — 12	Switch 2 (HEAD)	Less than 1 Ω	 LI-01245
19 — 12	Switch AUTO	Less than 1 Ω	 LI-01246

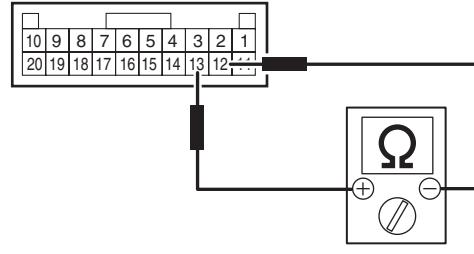
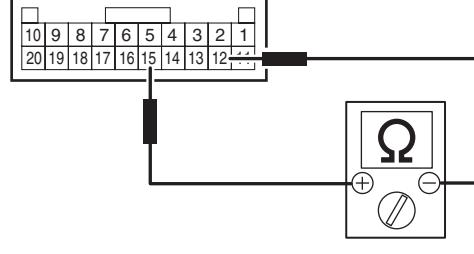
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- Dimmer & passing switch

Terminal No.	Inspection conditions	Standard	Connection diagram
11, 17 — 12	Switch PASS	Less than 1 Ω	 LI-01247
11 — 12	Switch UP	Less than 1 Ω	 LI-01248

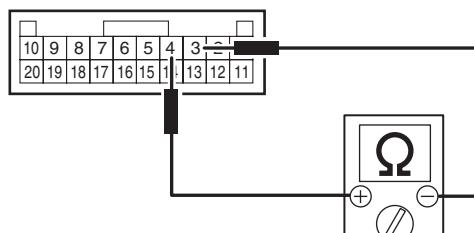
- Turn signal switch

Terminal No.	Inspection conditions	Standard	Connection diagram
13 — 12	Switch TURN (RH)	Less than 1 Ω	 LI-01249
15 — 12	Switch TURN (LH)	Less than 1 Ω	 LI-01250

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- Front fog light switch

Terminal No.	Inspection conditions	Standard	Connection diagram
4 — 3	Switch OFF	1 MΩ or more	
	Switch ON	Less than 1 Ω	

LI-01251

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