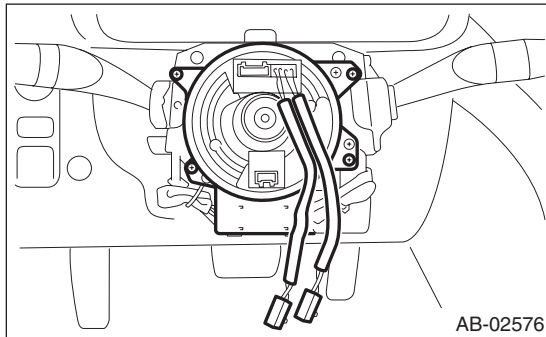


13. Roll Connector

A: REMOVAL

- 1) Turn the ignition switch to OFF.
- 2) Disconnect the ground cable from battery and wait for at least 60 seconds before starting work.
- 3) Remove the driver's airbag module. <Ref. to AB-16, Driver's Airbag Module.>
- 4) Remove the steering wheel. <Ref. to PS-12, REMOVAL, Steering Wheel.>
- 5) Remove the steering column cover.
- 6) Disconnect the airbag connector next to the steering shaft. <Ref. to AB-10, DRIVER'S AIRBAG (BETWEEN AIRBAG MAIN HARNESS AND ROLL CONNECTOR) AND PASSENGER'S AIRBAG, PROCEDURE, Airbag Connector.>
- 7) Remove the screws, and then remove the roll connector.



B: INSTALLATION

- 1) Install each part in the reverse order of removal.
- 2) Before installing steering wheel, be sure to adjust the direction of roll connector with steering. <Ref. to AB-28, ADJUSTMENT, Roll Connector.>

C: INSPECTION

1. VISUAL INSPECTION

Check for the following, and replace the damaged parts with new parts.

- Combination switch is cracked or deformed.
- Roll connector is cracked or deformed.

2. UNIT INSPECTION OF ROLL CONNECTOR

CAUTION:

- Do not rotate the roll connector to more than the specified number of turns. Otherwise, the roll connector internal wire may be broken.
- When determining the end stop, rotate the connector slowly without applying excessive force. Applying excessive force at the end stop may break the internal wire.

1) Adjust the roll connector. <Ref. to AB-28, ADJUSTMENT, Roll Connector.>

2) Set the roll connector to the central position.

3) Connect the test harness to the airbag module connectors (black) and (orange).

PREPARATION TOOL:

Test harness N (98299SA000)

Test harness Q (98299SA040)

Airbag module connector (black) — Test harness (1N)

Airbag module connector (orange) — Test harness (1Q)

4) With the following conditions, check the resistance between the test harness connector terminals.

- Perform the check with the roll connector centered (front wheels direct straightforward).
- Rotate the roll connector counterclockwise from the center (front wheels direct straightforward) to an end stop. Then, perform the check while rotating it clockwise to approximately 3.25 turns.

Preparation tool: Circuit tester

Terminal No.	Inspection conditions	Standard
(2N) No. 1 and (2N) No. 2	Always	Less than 1 Ω
(2Q) No. 1 and (2Q) No. 2	Always	Less than 1 Ω

NOTE:

Terminals are designed to be shorted as the connection between airbag main harness and roll connector is disconnected.

5) Replace the roll connector with a new part if the inspection result is not within the standard value.

D: ADJUSTMENT

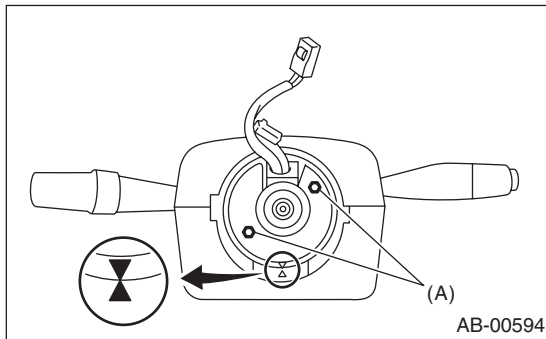
CAUTION:

- Do not rotate the roll connector to more than the specified number of turns. Otherwise, the roll connector internal wire may be broken.
- When determining the end stop, rotate the connector slowly without applying excessive force. Applying excessive force at the end stop may break the internal wire.

1) Check that front wheels are positioned in straight ahead direction.

2) Turn the roll connector pin (A) clockwise until it stops.

3) Turn the roll connector pins (A) approx. 3.25 turns in the counterclockwise direction until “▲” marks are aligned.



AIRBAG SYSTEM (DIAGNOSTICS)

AB(diag)

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