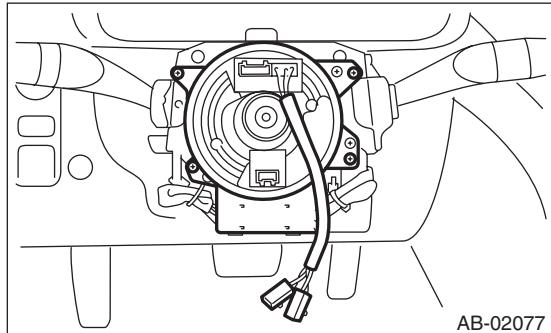


13. Roll Connector

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-15, Driver's Airbag Module.>
- 4) Remove the steering wheel. <Ref. to PS-13, REMOVAL, Steering Wheel.>
- 5) Remove the steering column cover.
- 6) Disconnect the airbag connector next to the steering shaft. <Ref. to AB-8, DRIVER'S AIRBAG MODULE (BETWEEN AIRBAG MAIN HARNESS AND ROLL CONNECTOR) AND PASSENGER'S AIRBAG MODULE, 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-27, 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-27, 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 value
(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.

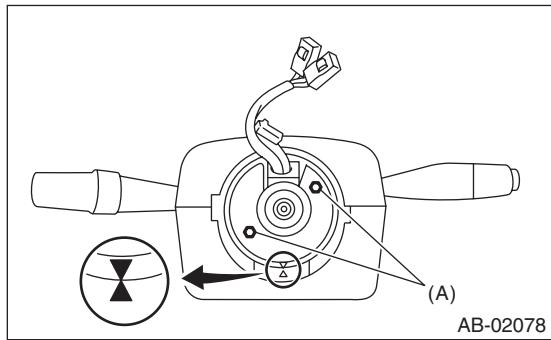
5) Replace the roll connector with a new part if the inspection result is not within the standard value.

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.



AB-02078

Roll Connector

AIRBAG SYSTEM

AIRBAG SYSTEM (DIAGNOSTICS)

AB(diag)

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