TOYOTA SERVICE BULLETIN

Group: 09 No.: 34 Date: Jul, 17

Model: LandCruiser 70

Subject: Corrections to Repair Manual RM0584E

Please ensure these pages are distributed to all relevant staff for their information; and a copy made available for future reference, with the above repair manual.

Section	Title	Paragraph
SUPPLEMENTAL RESTRAINT SYSTEM	SPIRAL CABLE	INSTALLATION (2007/01 - 2012/08)
		INSTALLATION (2012/08 -)

The revised pages listed above are attached.

(The corrected parts are indicated by arrows.)

This bulletin does not cause the Flat Rate Manual to be changed

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INSTALLATION

[Added]

HINT:

- Use the same procedure for RHD and LHD vehicles.
- The procedure listed below is for LHD vehicles.

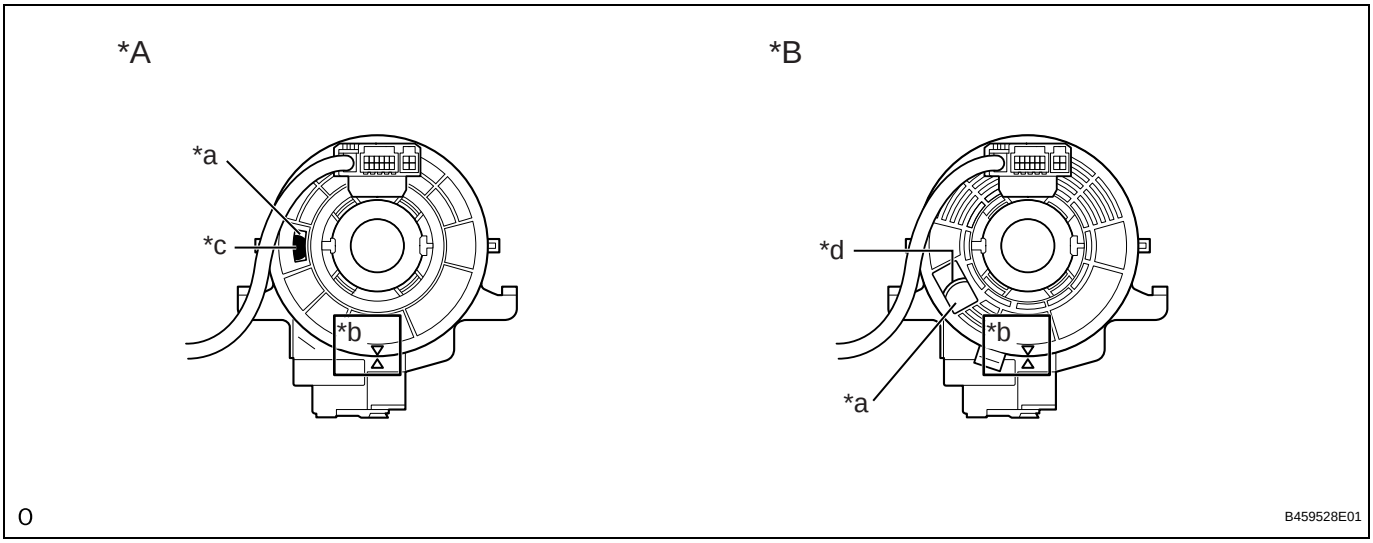
RS

1. INSPECT SPIRAL CABLE SUB-ASSEMBLY

(a) Check that the spiral cable sub-assembly is center position.

OK:

The connector is at the top.
The matchmarks are aligned.
The colored roller or the top of the flat cable U-turn can be checked from the check window.



Text in Illustration

*A	Colored Roller (Visible Type)	*B	Flat Cable (Visible Type)
*a	Check Window	*b	Matchmark
*c	Colored Roller	*d	Top of Flat Cable U-turn

(b) If the spiral cable sub-assembly is not centered, center it.

NOTICE:

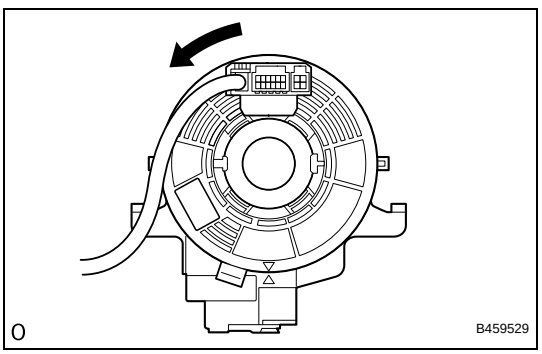
Failure to observe the following precautions may result in damage to the spiral cable sub-assembly.

- **Do not turn the spiral cable sub-assembly using the airbag wire harness.**
- **Do not forcibly rotate the part.**

(1) Make sure to rotate the spiral cable sub-assembly counterclockwise slowly by hand until it stops.

NOTICE:

Make sure to rotate the spiral cable sub-assembly counterclockwise. If rotated clockwise, it may be damaged or centering may no longer be possible.

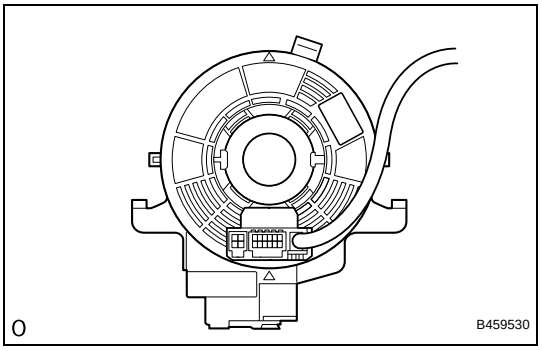


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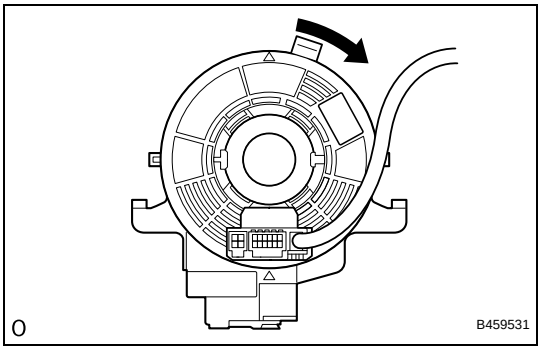
RS

Text in Illustration

➡	Counterclockwise



(2) If the spiral cable sub-assembly stops rotating and the connector has moved past the bottom, return the connector to the bottom as shown in the illustration.



(3) Rotate the spiral cable sub-assembly clockwise approximately 2.5 times to move the connector from the bottom to the top.

NOTICE:

If the connector is rotated clockwise from the bottom 5 times or more, the spiral cable sub-assembly may be damaged.

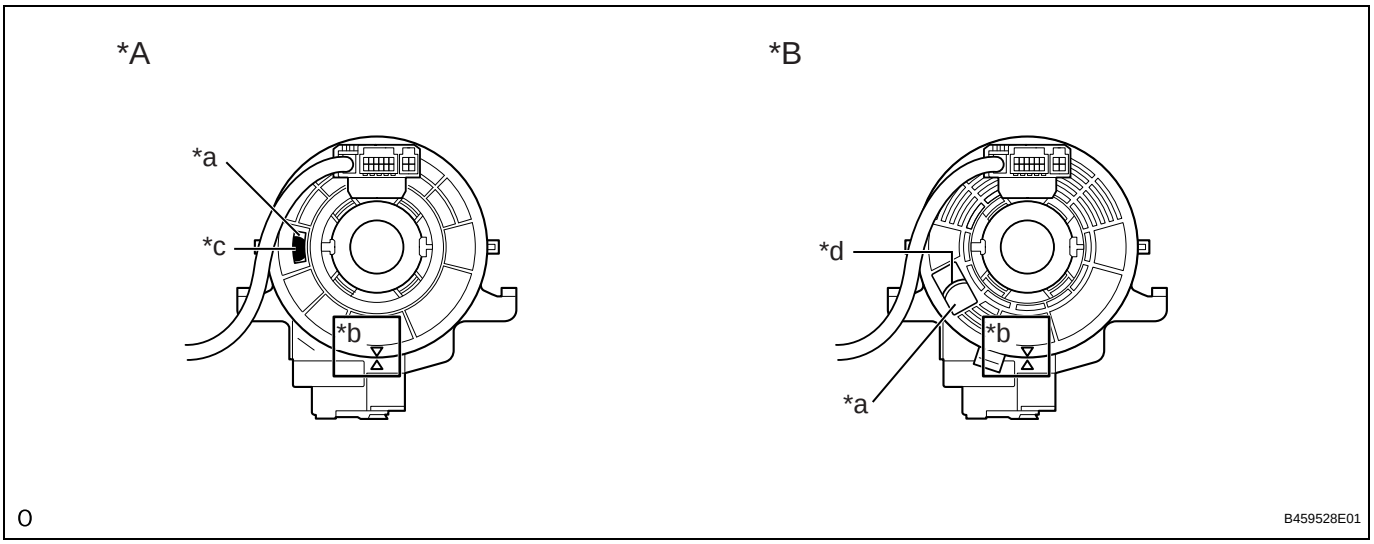
Text in Illustration

➡	Clockwise

(4) Check that the spiral cable sub-assembly is center position.

OK:

The connector is at the top.
The matchmarks are aligned.
The colored roller or the top of the flat cable U-turn can be checked from the check window.



Text in Illustration

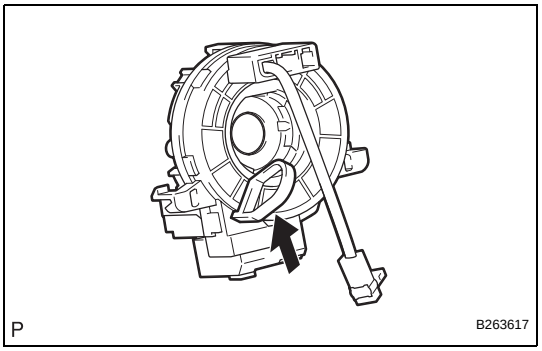
*A	Colored Roller (Visible Type)	*B	Flat Cable (Visible Type)
*a	Check Window	*b	Matchmark

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*c	Colored Roller	*d	Top of Flat Cable U-turn

NOTICE:
If the spiral cable sub-assembly cannot be centered, it is possible that the spiral cable sub-assembly is broken. Replace the spiral cable sub-assembly with a new one.

RS



2. INSTALL SPIRAL CABLE SUB-ASSEMBLY

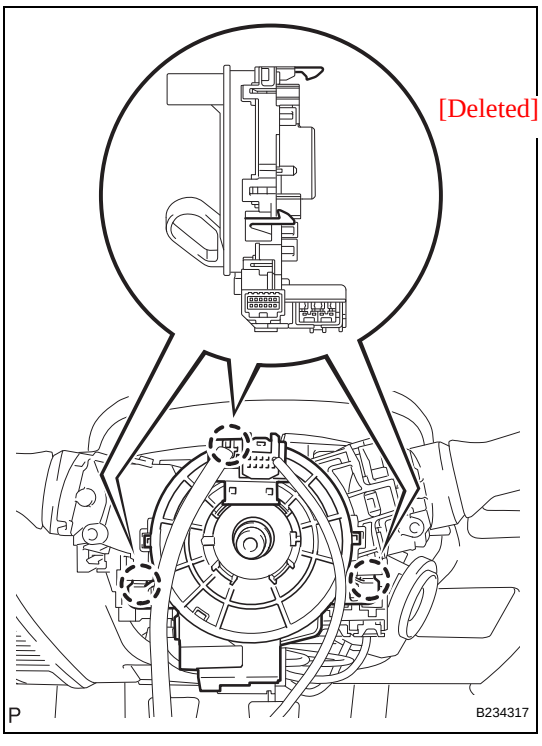
NOTICE:
When replacing the spiral cable sub-assembly with a new one, remove the lock pin before installing the steering wheel assembly.

Text in Illustration

➡	Lock Pin

(a) Check that the ignition switch is off.
(b) Check that the cable is disconnected from the negative (-) battery terminal.
CAUTION:
Wait at least 90 seconds after disconnecting the cable from the negative (-) battery terminal to disable the SRS system.
(c) Check that the front wheels are facing straight ahead.
(d) Set the turn signal switch to the neutral position.
NOTICE:
If it is not in the neutral position, the turn signal switch cancel ratchet may snap.

[Added]



[Deleted]

(e) Attach the 3 claws to install the spiral cable.
CAUTION:
When replacing the spiral cable with a new one, remove the lock pin before installing the steering wheel assembly.
(f) Connect the connectors to the spiral cable.
NOTICE:
When handling the airbag connector, take care not to damage the airbag wire harness.

3. INSTALL UPPER STEERING COLUMN COVER (See page)

4. INSTALL LOWER STEERING COLUMN COVER (See page)

5. ADJUST SPIRAL CABLE SUB-ASSEMBLY
(a) Check that the ignition switch is off.
(b) Check that the cable is disconnected from the negative (-) battery terminal.
CAUTION:
Wait at least 90 seconds after disconnecting the cable from the negative (-) battery terminal to disable the SRS system.

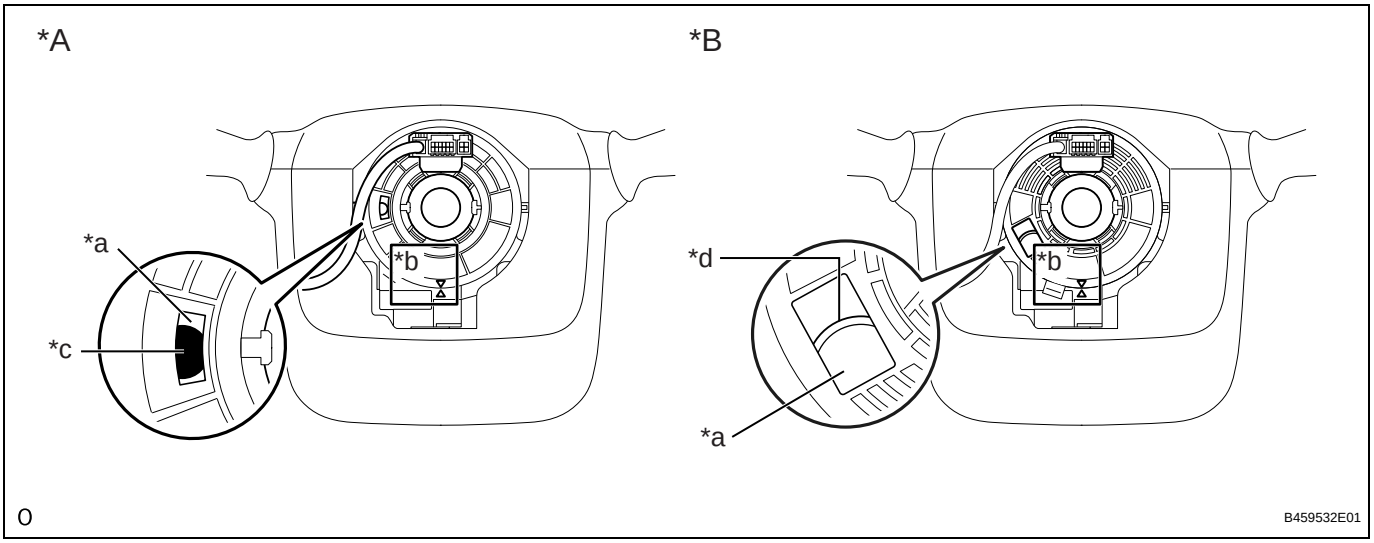
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RS

(c) Check that the spiral cable sub-assembly is center position.

OK:

The connector is at the top.
The matchmarks are aligned.
The colored roller or the top of the flat cable U-turn can be checked from the check window.



Text in Illustration

*A	Colored Roller (Visible Type)	*B	Flat Cable (Visible Type)
*a	Check Window	*b	Matchmark
*c	Colored Roller	*d	Top of Flat Cable U-turn

(d) If the spiral cable sub-assembly is not centered, center it.

NOTICE:

Failure to observe the following precautions may result in damage to the spiral cable sub-assembly.

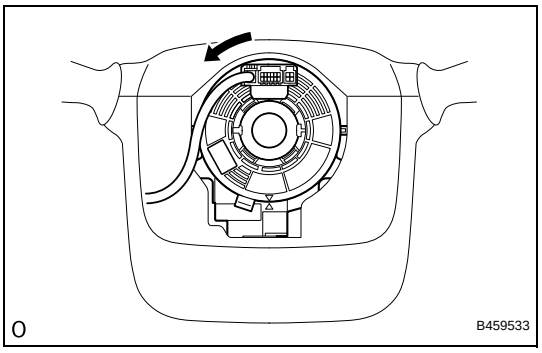
- **Do not turn the spiral cable sub-assembly using the airbag wire harness.**
- **Do not forcibly rotate the part.**

(1) Make sure to rotate the spiral cable sub-assembly counterclockwise slowly by hand until it stops.

NOTICE:

Make sure to rotate the spiral cable sub-assembly counterclockwise. If rotated clockwise, it may be damaged or centering may no longer be possible.

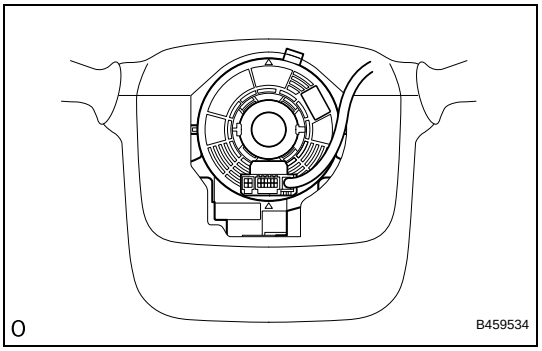
Text in Illustration



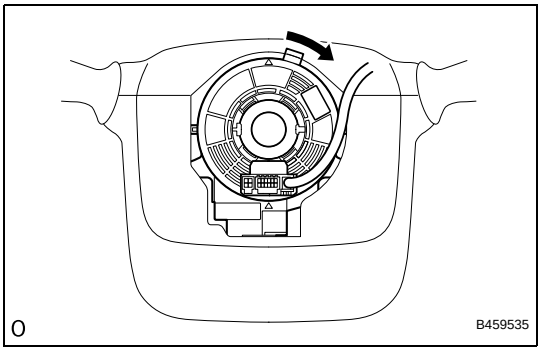
➡	Counterclockwise

[All Corrected]

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(2) If the spiral cable sub-assembly stops rotating and the connector has moved past the bottom, return the connector to the bottom as shown in the illustration.



(3) Rotate the spiral cable sub-assembly clockwise approximately 2.5 times to move the connector from the bottom to the top.

NOTICE:

If the connector is rotated clockwise from the bottom 5 times or more, the spiral cable sub-assembly may be damaged.

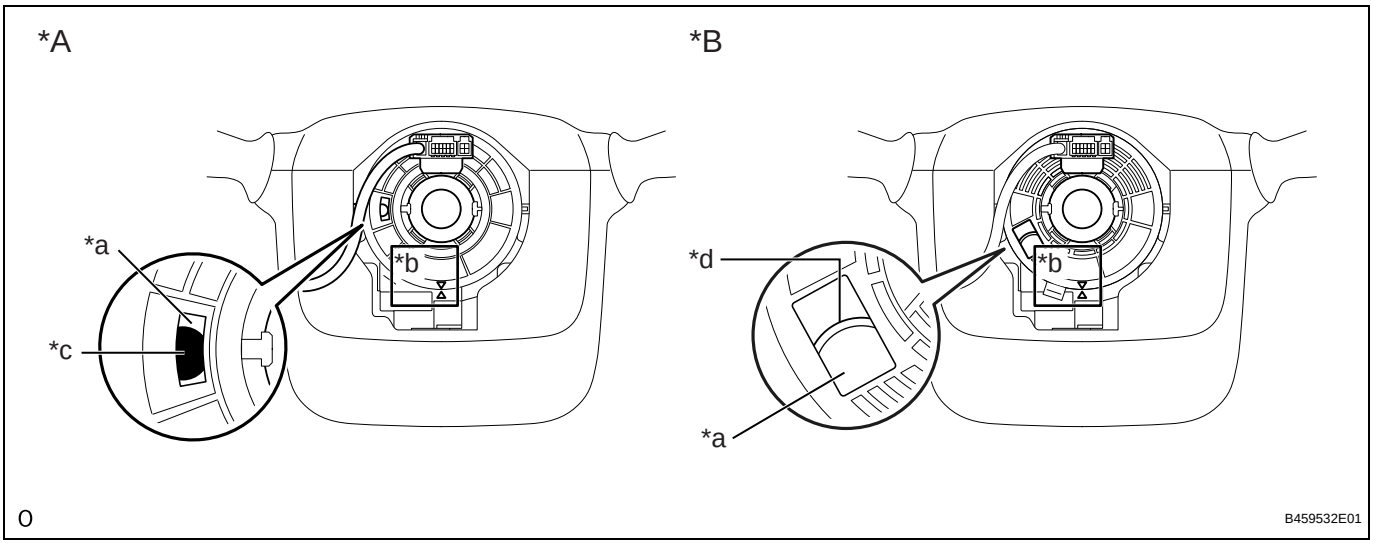
Text in Illustration

➡	Clockwise

(4) Check that the spiral cable sub-assembly is center position.

OK:

The connector is at the top.
The matchmarks are aligned.
The colored roller or the top of the flat cable U-turn can be checked from the check window.



Text in Illustration

*A	Colored Roller (Visible Type)	*B	Flat Cable (Visible Type)
*a	Check Window	*b	Matchmark
*c	Colored Roller	*d	Top of Flat Cable U-turn

[All Corrected]

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[Corrected]

NOTICE:
If the spiral cable sub-assembly cannot be centered, it is possible that the spiral cable sub-assembly is broken. Replace the spiral cable sub-assembly with a new one.

RS

6. **INSTALL LOWER NO. 1 INSTRUMENT PANEL FINISH PANEL (See page)**

7. **INSTALL STEERING WHEEL ASSEMBLY**
   (a) Install the steering wheel assembly (See page).

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INSTALLATION

[Added]

HINT:

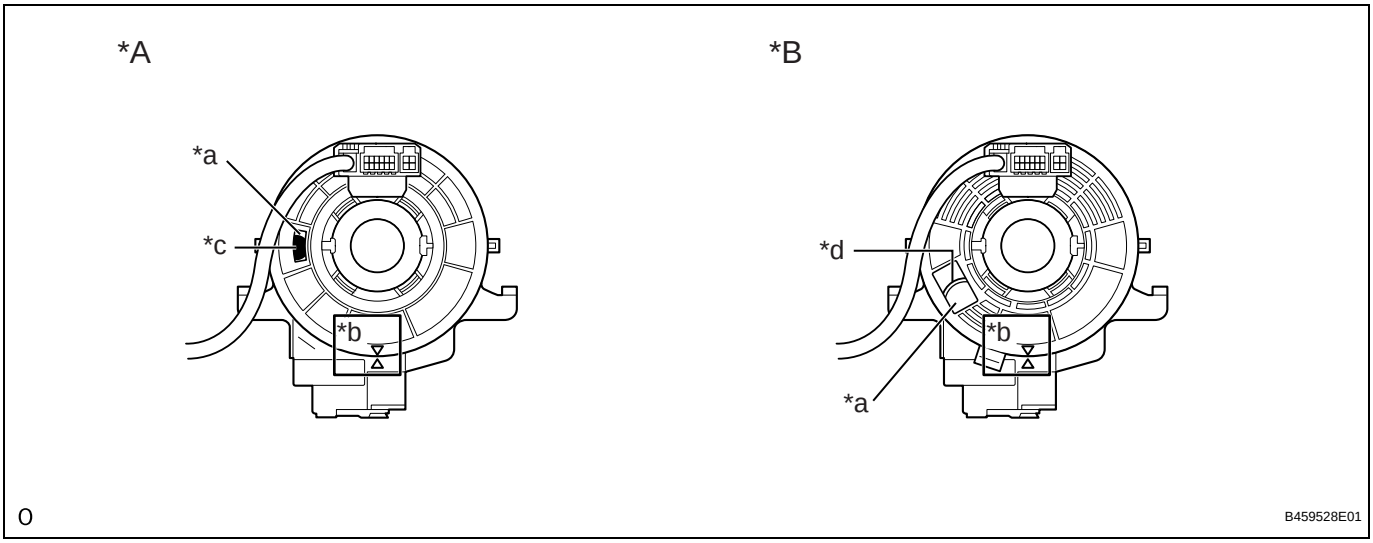
- Use the same procedure for RHD and LHD vehicles.
- The procedure listed below is for LHD vehicles.

1. INSPECT SPIRAL CABLE SUB-ASSEMBLY

(a) Check that the spiral cable sub-assembly is center position.

OK:

The connector is at the top.
The matchmarks are aligned.
The colored roller or the top of the flat cable U-turn can be checked from the check window.



Text in Illustration

*A	Colored Roller (Visible Type)	*B	Flat Cable (Visible Type)
*a	Check Window	*b	Matchmark
*c	Colored Roller	*d	Top of Flat Cable U-turn

(b) If the spiral cable sub-assembly is not centered, center it.

NOTICE:

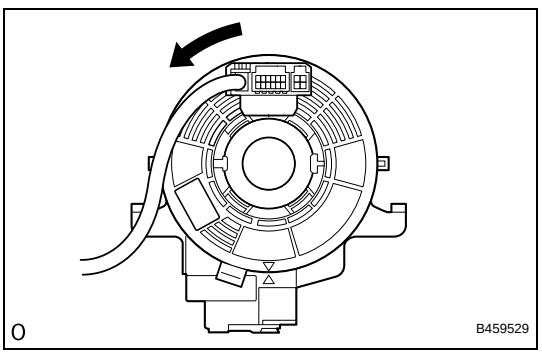
Failure to observe the following precautions may result in damage to the spiral cable sub-assembly.

- **Do not turn the spiral cable sub-assembly using the airbag wire harness.**
- **Do not forcibly rotate the part.**

(1) Make sure to rotate the spiral cable sub-assembly counterclockwise slowly by hand until it stops.

NOTICE:

Make sure to rotate the spiral cable sub-assembly counterclockwise. If rotated clockwise, it may be damaged or centering may no longer be possible.

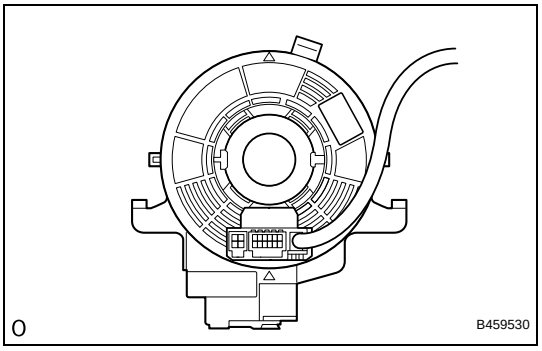


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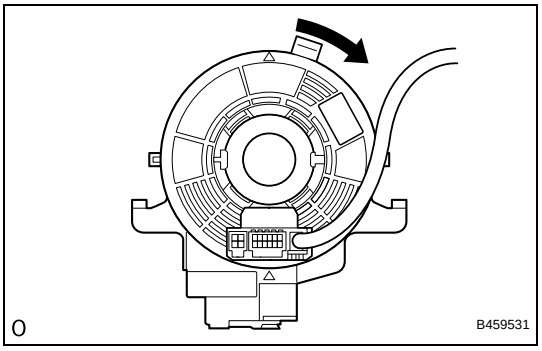
RS

Text in Illustration

➡	Counterclockwise



(2) If the spiral cable sub-assembly stops rotating and the connector has moved past the bottom, return the connector to the bottom as shown in the illustration.



(3) Rotate the spiral cable sub-assembly clockwise approximately 2.5 times to move the connector from the bottom to the top.

NOTICE:

If the connector is rotated clockwise from the bottom 5 times or more, the spiral cable sub-assembly may be damaged.

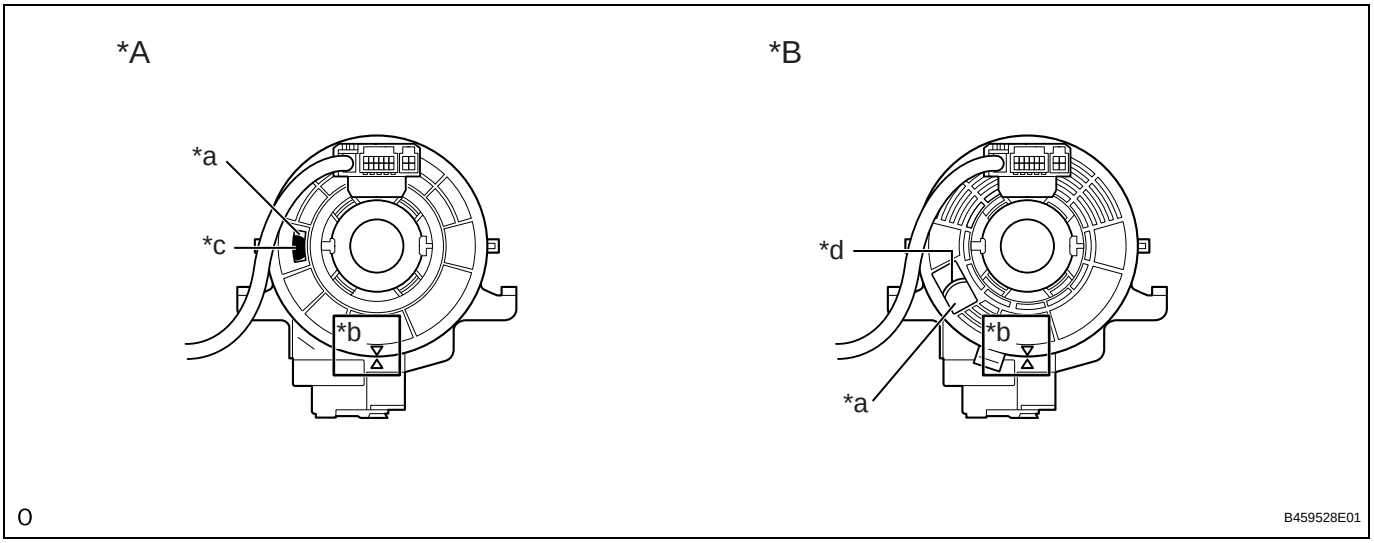
Text in Illustration

➡	Clockwise

(4) Check that the spiral cable sub-assembly is center position.

OK:

The connector is at the top.
The matchmarks are aligned.
The colored roller or the top of the flat cable U-turn can be checked from the check window.



Text in Illustration

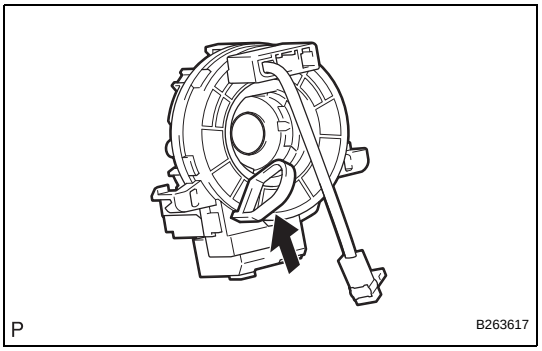
*A	Colored Roller (Visible Type)	*B	Flat Cable (Visible Type)
*a	Check Window	*b	Matchmark

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*c	Colored Roller	*d	Top of Flat Cable U-turn

NOTICE:
If the spiral cable sub-assembly cannot be centered, it is possible that the spiral cable sub-assembly is broken. Replace the spiral cable sub-assembly with a new one.

RS



2. INSTALL SPIRAL CABLE SUB-ASSEMBLY

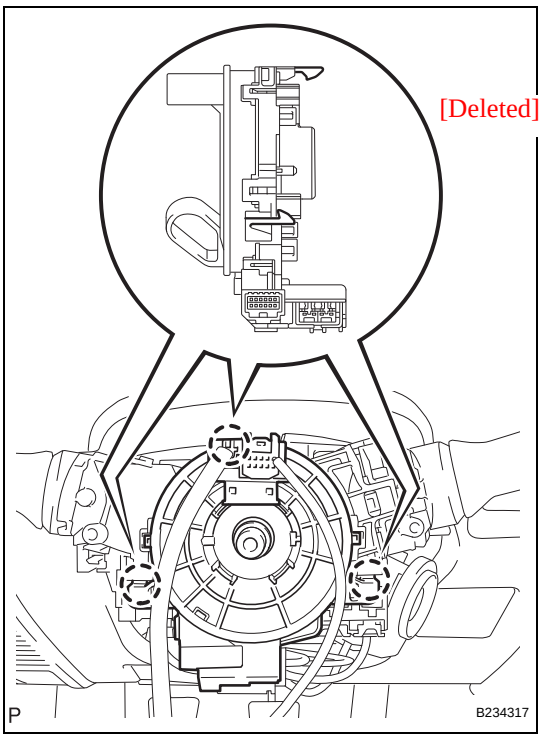
NOTICE:
When replacing the spiral cable sub-assembly with a new one, remove the lock pin before installing the steering wheel assembly.

Text in Illustration

➡	Lock Pin

(a) Check that the ignition switch is off.
(b) Check that the cable is disconnected from the negative (-) battery terminal.
CAUTION:
Wait at least 90 seconds after disconnecting the cable from the negative (-) battery terminal to disable the SRS system.
(c) Check that the front wheels are facing straight ahead.
(d) Set the turn signal switch to the neutral position.
NOTICE:
If it is not in the neutral position, the turn signal switch cancel ratchet may snap.

[Added] ➡



[Deleted] ➡

(e) Attach the 3 claws to install the spiral cable.
CAUTION:
When replacing the spiral cable with a new one, remove the lock pin before installing the steering wheel assembly.
(f) Connect the connectors to the spiral cable.
NOTICE:
When handling the airbag connector, take care not to damage the airbag wire harness.

3. INSTALL UPPER STEERING COLUMN COVER (See page)

4. INSTALL LOWER STEERING COLUMN COVER (See page)

5. ADJUST SPIRAL CABLE SUB-ASSEMBLY
(a) Check that the ignition switch is off.
(b) Check that the cable is disconnected from the battery negative (-) terminal.
CAUTION:
Wait at least 90 seconds after disconnecting the cable from the negative (-) battery terminal to disable the SRS system.

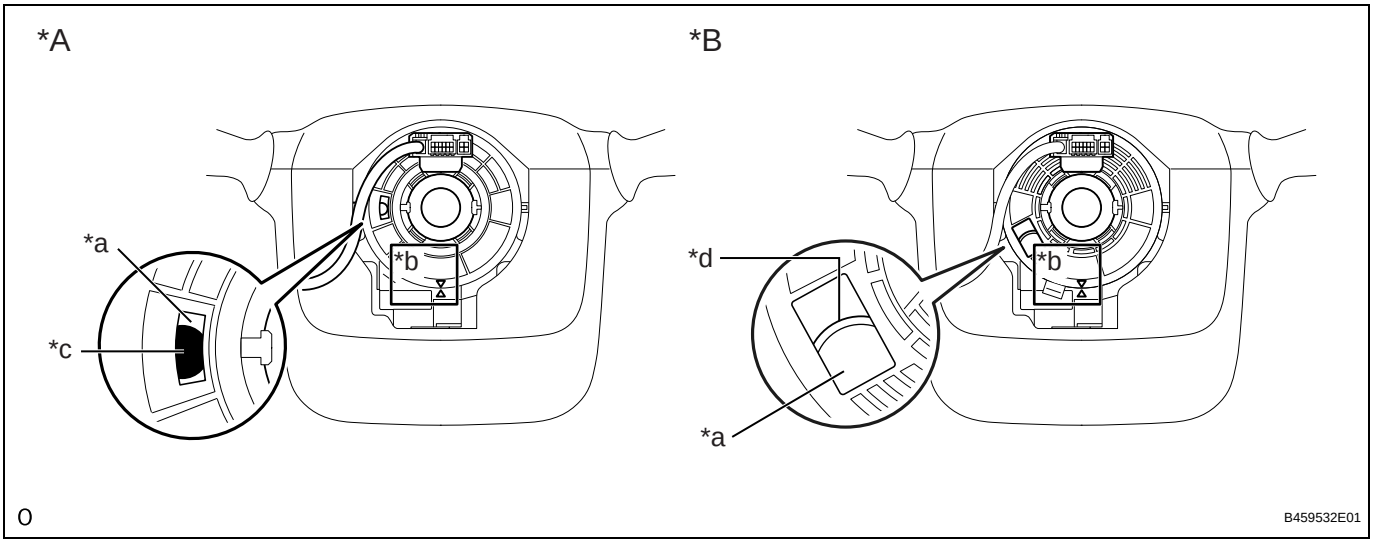
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(c) Check that the spiral cable sub-assembly is center position.

OK:

The connector is at the top.
The matchmarks are aligned.
The colored roller or the top of the flat cable U-turn can be checked from the check window.



Text in Illustration

*A	Colored Roller (Visible Type)	*B	Flat Cable (Visible Type)
*a	Check Window	*b	Matchmark
*c	Colored Roller	*d	Top of Flat Cable U-turn

(d) If the spiral cable sub-assembly is not centered, center it.

NOTICE:

Failure to observe the following precautions may result in damage to the spiral cable sub-assembly.

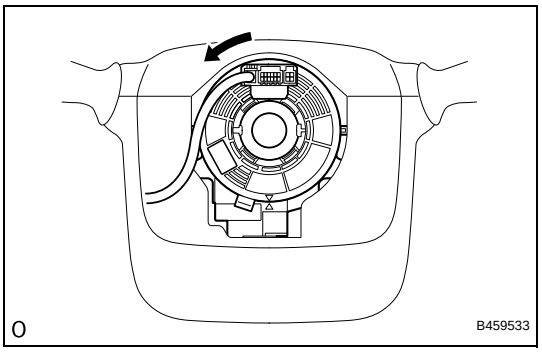
- **Do not turn the spiral cable sub-assembly using the airbag wire harness.**
- **Do not forcibly rotate the part.**

(1) Make sure to rotate the spiral cable sub-assembly counterclockwise slowly by hand until it stops.

NOTICE:

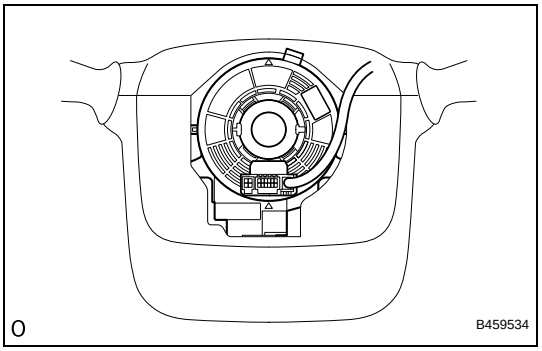
Make sure to rotate the spiral cable sub-assembly counterclockwise. If rotated clockwise, it may be damaged or centering may no longer be possible.

Text in Illustration

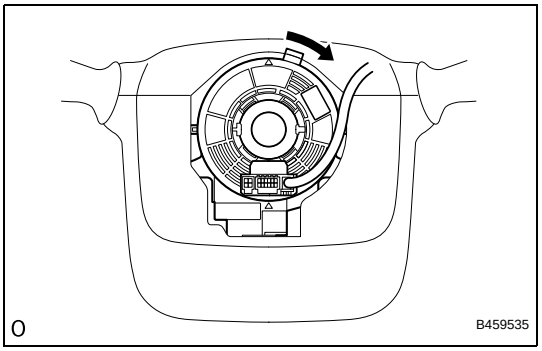


➡	Counterclockwise

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(2) If the spiral cable sub-assembly stops rotating and the connector has moved past the bottom, return the connector to the bottom as shown in the illustration.



(3) Rotate the spiral cable sub-assembly clockwise approximately 2.5 times to move the connector from the bottom to the top.

NOTICE:

If the connector is rotated clockwise from the bottom 5 times or more, the spiral cable sub-assembly may be damaged.

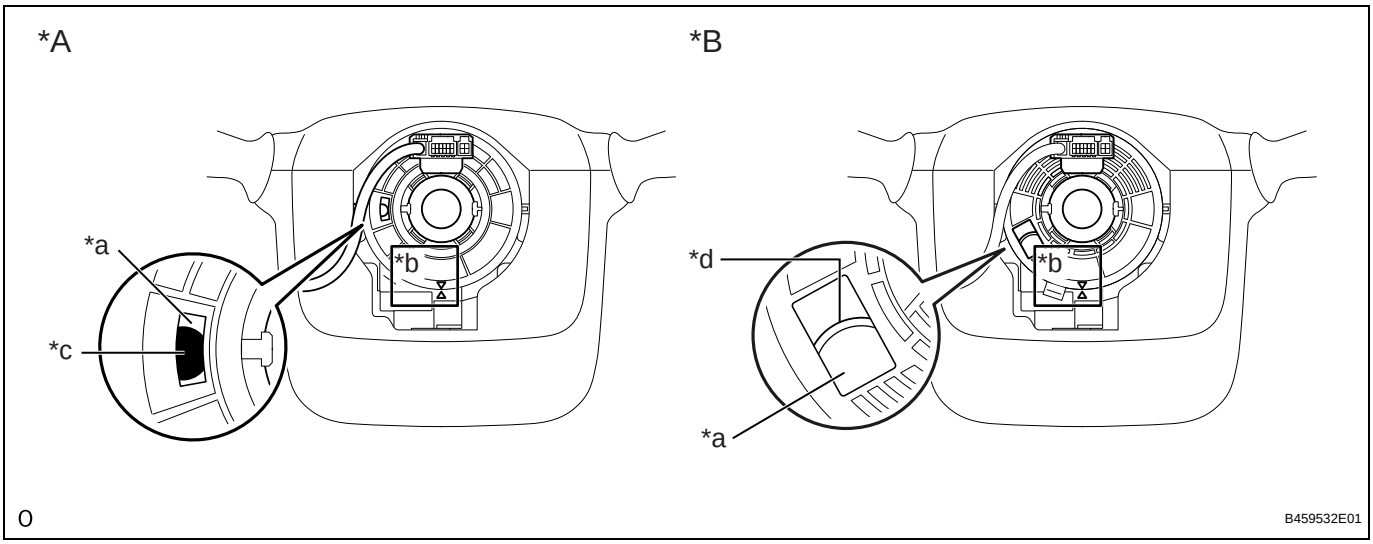
Text in Illustration

➡	Clockwise

(4) Check that the spiral cable sub-assembly is center position.

OK:

The connector is at the top.
The matchmarks are aligned.
The colored roller or the top of the flat cable U-turn can be checked from the check window.



Text in Illustration

*A	Colored Roller (Visible Type)	*B	Flat Cable (Visible Type)
*a	Check Window	*b	Matchmark
*c	Colored Roller	*d	Top of Flat Cable U-turn

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[Corrected]

NOTICE:
If the spiral cable sub-assembly cannot be centered, it is possible that the spiral cable sub-assembly is broken. Replace the spiral cable sub-assembly with a new one.

RS

6. **INSTALL LOWER NO. 1 INSTRUMENT PANEL FINISH PANEL (See page)**

7. **INSTALL STEERING WHEEL ASSEMBLY**
   (a) Install the steering wheel assembly (See page).

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