TOYOTA SERVICE BULLETIN

Group: 09 No.: 14 Date: Apr, 17

Model: Yaris (NCP90/91/93)

Subject: Corrections to Repair Manaul RM00S5E

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 SYSTEMS	SPIRAL CABLE (for Sedan)	INSTALLATION
	SPIRAL CABLE (for Hatchback)	

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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RS

INSTALLATION

CAUTION:
Some of these service operations affect the SRS airbag system. Read the precautionary notices concerning the SRS airbag system before servicing (See page).

[Added]

1. INSPECT SPIRAL CABLE

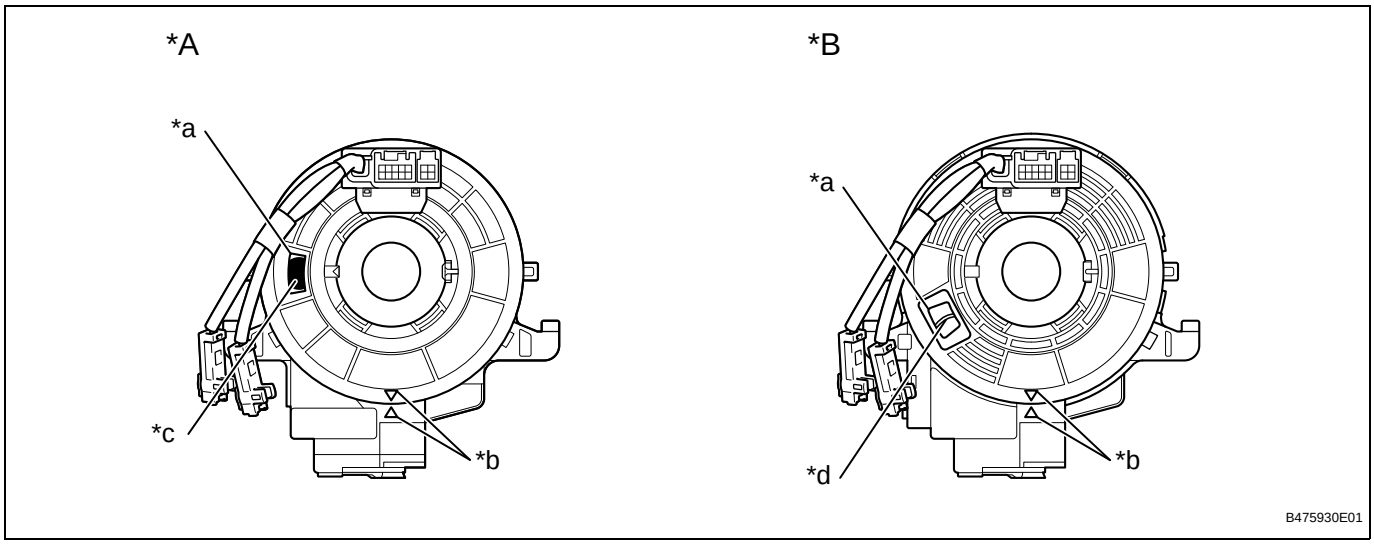
NOTICE:
If the spiral cable is installed with the center position misaligned, steering angle sensor value abnormal DTCs will be stored, and recovery will be impossible. In this case, replace the spiral cable with a new one.

(a) Check the spiral cable center position.

Standard:

Connector is at the highest point.
Alignment marks are aligned.
Colored roller or top of flat cable U-turn portion can be seen through the check window.

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Text in Illustration

*A	Colored Roller Visible Type	*B	Flat Cable Visible Type
*a	Check Window	*b	Alignment Marks
*c	Colored Roller	*d	Top of U-turn Portion of Flat Cable

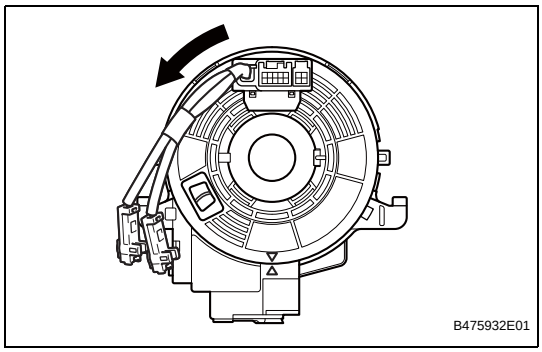
(b) If the spiral cable is not at the center position, perform centering of the spiral cable.

NOTICE:
Failure to observe the following precautions could result in breakage of the spiral cable.
- **Do not hold the airbag connector or wiring when rotating the spiral cable.**
- **Do not rotate with excessive force.**

(1) Making sure to rotate in the counterclockwise direction only, slowly rotate the spiral cable in the counterclockwise direction until it stops.

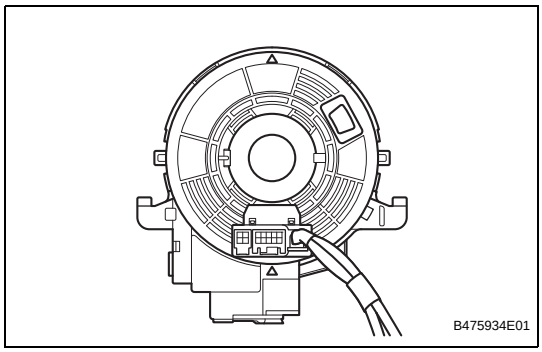
Text in Illustration

➡	Rotation Direction



NOTICE:
Make sure to rotate in the counterclockwise direction only. Rotating in the clockwise direction can break the spiral cable or make centering impossible.

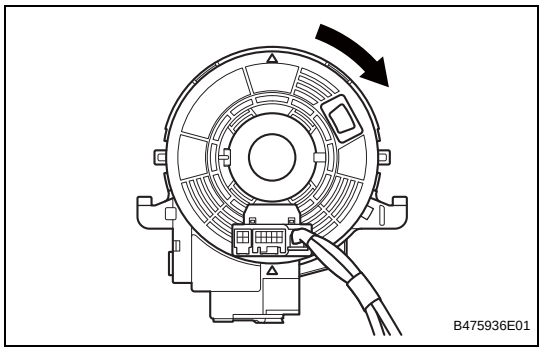
(2) When the rotation stops, if the connector has passed the lowermost position, return the connector to the lowermost position as shown in the illustration.



[Page Added]

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(3) Rotate the spiral cable back in the clockwise direction for approximately 2.5 turns so that the connector moves from the lowermost position to the topmost position.

Text in Illustration

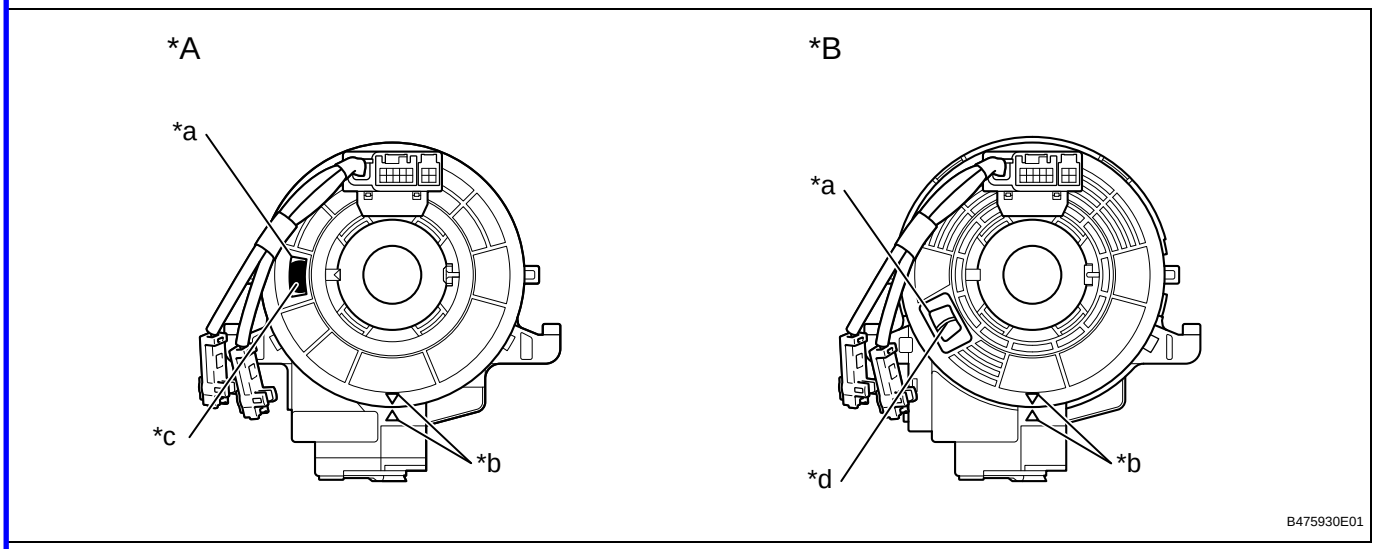
➡	Rotation Direction

NOTICE:
With the connector in the lowermost position, rotating clockwise 5 turns or more could break the spiral cable.

(4) Check that the spiral cable is centered.

Standard:

Connector is at the highest point.
Alignment marks are aligned.
Colored roller or top of flat cable U-turn portion can be seen through the check window.



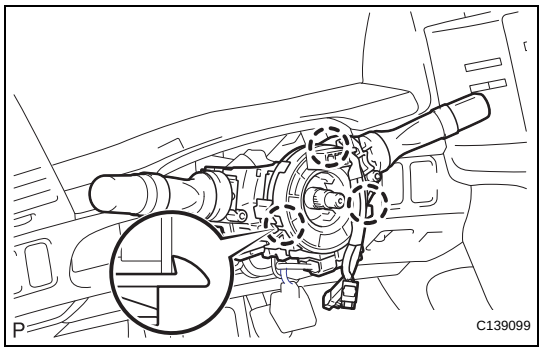
Text in Illustration

*A	Colored Roller Visible Type	*B	Flat Cable Visible Type
*a	Check Window	*b	Alignment Marks
*c	Colored Roller	*d	Top of U-turn Portion of Flat Cable

NOTICE:
If centering cannot be achieved, the spiral cable may be broken, so replace it with a new one.

[Page Added]

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2. INSTALL SPIRAL CABLE

(a) Check that the ignition switch is turned to OFF.

(b) Confirm that the negative battery terminal is detached.

CAUTION:

Do not begin the operation for at least 90 seconds after the negative battery terminal is detached.

(c) Confirm that the front tires face straight forward.

(d) Confirm that the turn signal switch is in the neutral position.

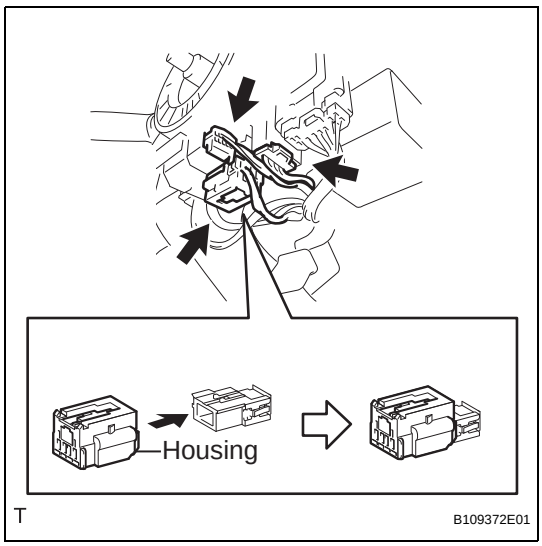
NOTICE:

Perform the operation when the turn signal switch is in the neutral position. Otherwise, the pin of the turn signal will break.

(e) Engage the 3 claws and install the spiral cable.

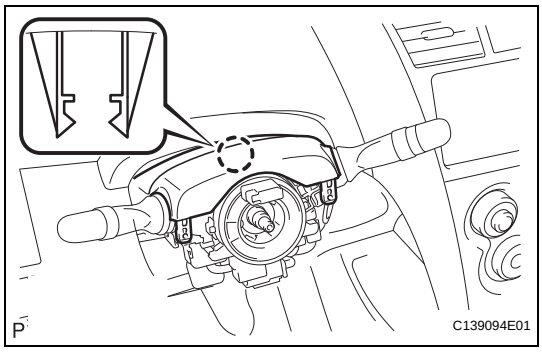
NOTICE:

Pull the lock pin out before installing the steering wheel, when replacing the spiral cable with a new one.



(f) Connect the airbag connector.

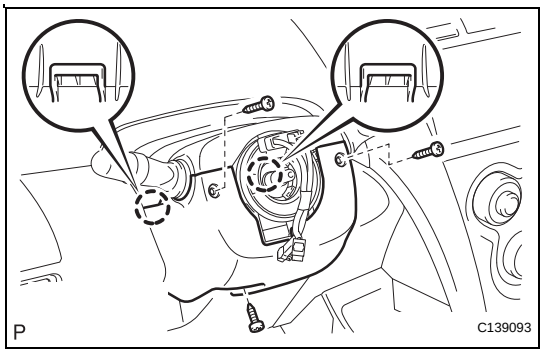
(g) Connect the horn connector.



3. INSTALL STEERING COLUMN COVER

(a) Engage the 2 claws and install the steering column upper cover.

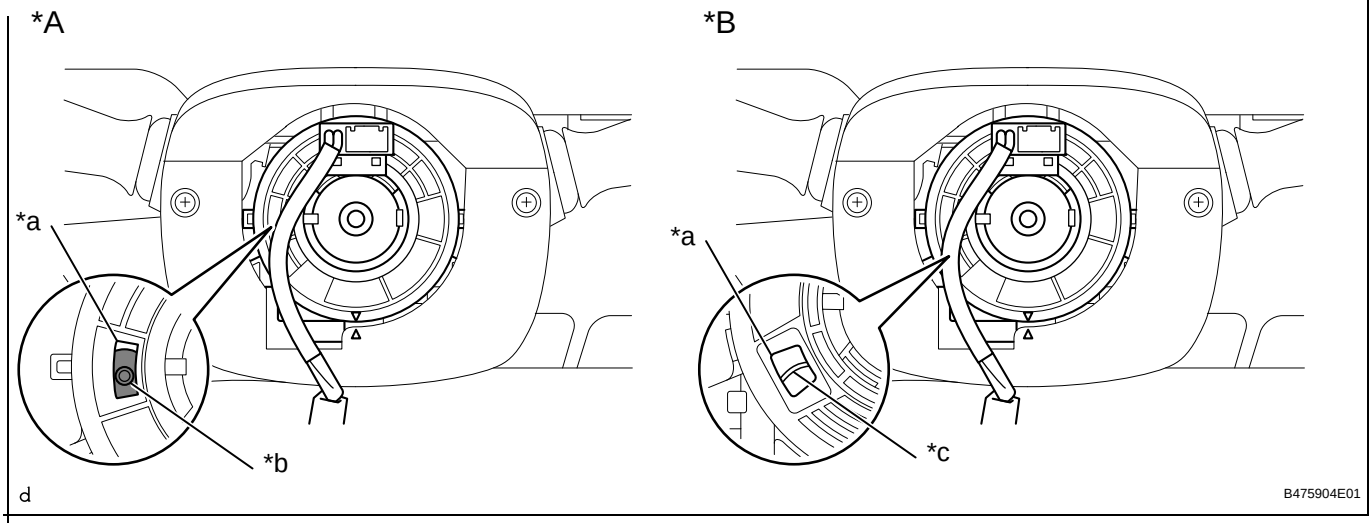
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(b) Engage the 2 claws and install the steering column lower cover.
(c) Tighten the 3 screws.

4. ADJUST SPIRAL CABLE

(a) Check the spiral cable center position.
Standard:
Connector is at the highest point.
Colored roller or top of flat cable U-turn portion can be seen through the check window.

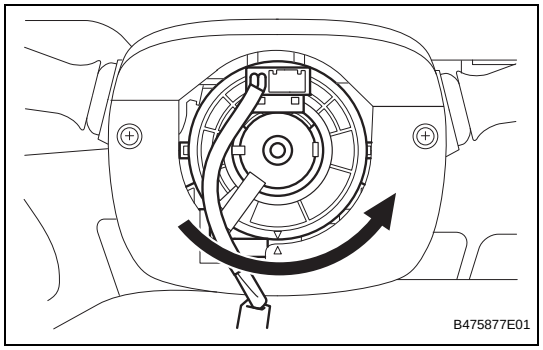


Text in Illustration

*A	Colored Roller Visible Type	*B	Flat Cable Visible Type
*a	Check Window	*b	Colored Roller
*c	Top of U-turn Portion of Flat Cable	-	-

(b) If the spiral cable is not at the center position, perform centering of the spiral cable.
NOTICE:
Failure to observe the following precautions could result in breakage of the spiral cable.
- **Do not rotate the spiral cable while the negative (-) battery cable is connected and the ignition switch is turned to ON.**
- **Do not hold the airbag connector or wiring when rotating the spiral cable.**
- **Do not rotate with excessive force.**

(1) Making sure to rotate in the counterclockwise direction only, slowly rotate the spiral cable in the counterclockwise direction until it stops.
Text in Illustration



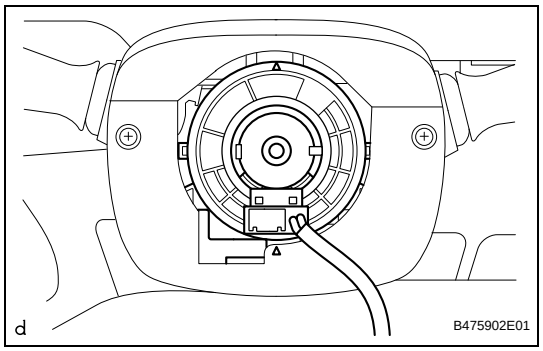
➡	Rotation Direction

[Corrected]

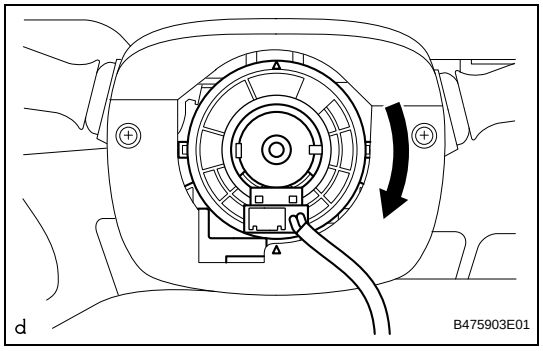
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RS

NOTICE:
Make sure to rotate in the counterclockwise direction only. Rotating in the clockwise direction can break the spiral cable or make centering impossible.



(2) When the rotation stops, if the connector has passed the lowermost position, return the connector to the lowermost position as shown in the illustration.



(3) Rotate the spiral cable back in the clockwise direction for approximately 2.5 turns so that the connector moves from the lowermost position to the topmost position.

Text in Illustration

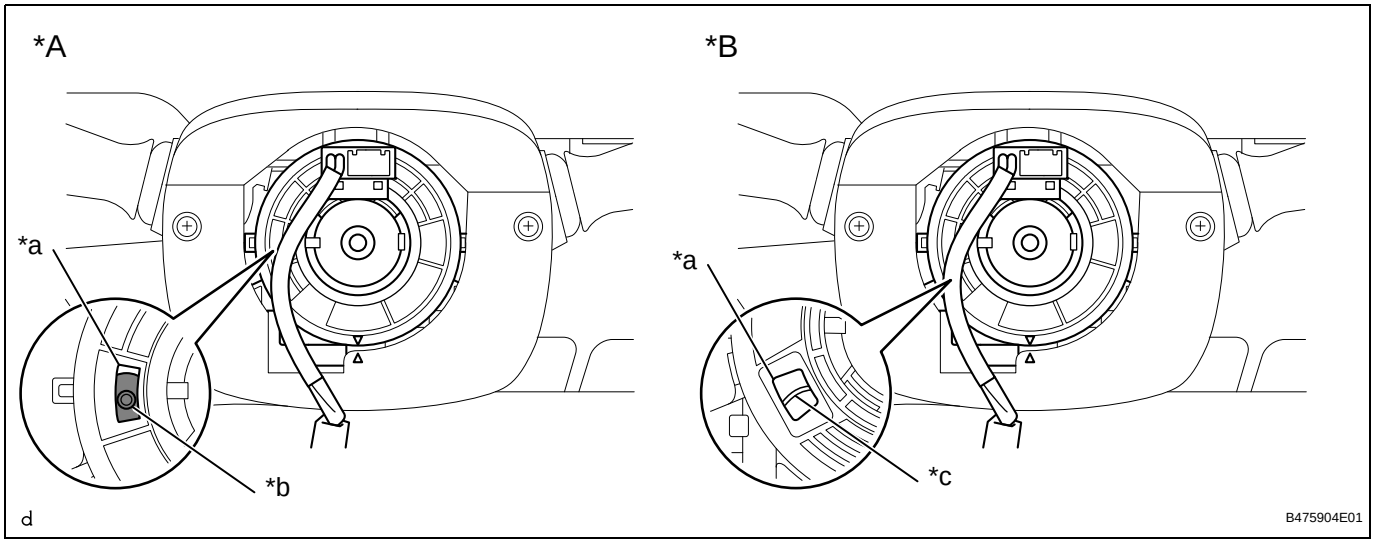
➡	Rotation Direction

NOTICE:
With the connector in the lowermost position, rotating clockwise 5 turns or more could break the spiral cable.

(4) Check that the spiral cable is centered.

Standard:

Connector is at the highest point.
Colored roller or top of flat cable U-turn portion can be seen through the check window.



Text in Illustration

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

[All Corrected]

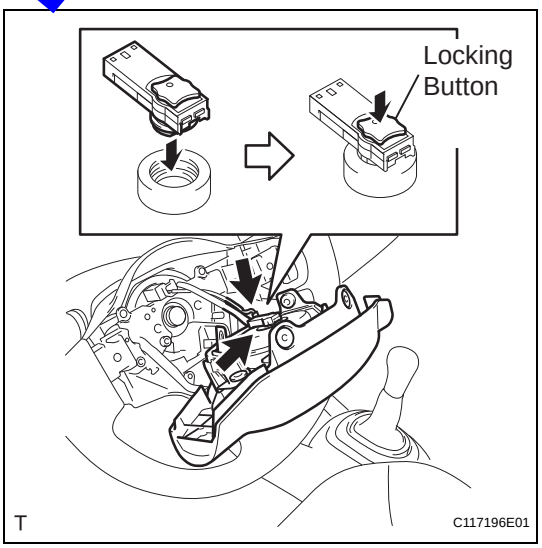
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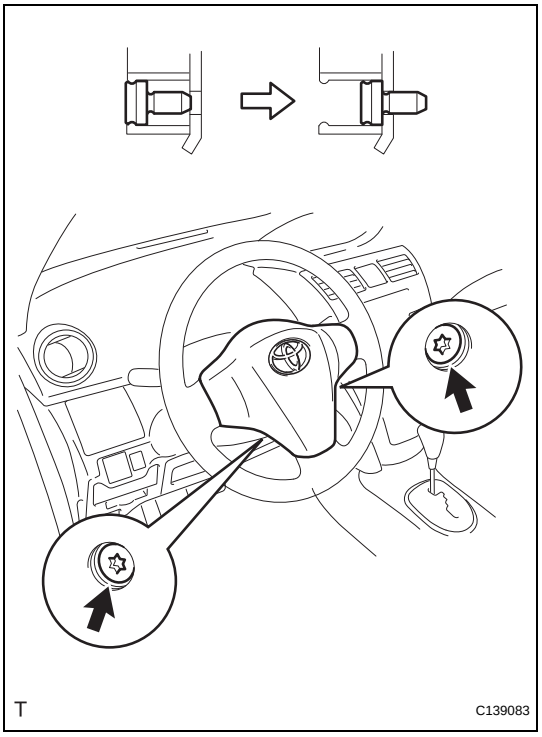
*c	Top of U-turn Portion of Flat Cable	-	-

NOTICE:
If centering cannot be achieved, the spiral cable may be broken, so replace it with a new one.

RS

[Corrected]





5. **INSTALL STEERING WHEEL ASSEMBLY (See page)**

6. **INSTALL STEERING PAD**
   (a) Connect the horn connector.
   (b) Connect the airbag connector.
   NOTICE:
   - **Align the color of the airbag connector with that of the steering pad assembly, and install the airbag connector.**
   - **Securely lock the locking button.**
   (c) Install the steering pad.
   (d) Using "Torx" socket wrench T30, tighten the 2 bolts.
   Torque: 8.8 N*m (90 kgf*cm, 78 in.*lbf)

7. **CONNECT CABLE TO NEGATIVE BATTERY TERMINAL**
   Torque: 5.4 N*m (55 kgf*cm, 48 in.*lbf)

8. **INSPECT SRS WARNING LIGHT**
   (See page)

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INSTALLATION

CAUTION:
Some of these service operations affect the SRS airbag system. Read the precautionary notices concerning the SRS airbag system before servicing (See page).

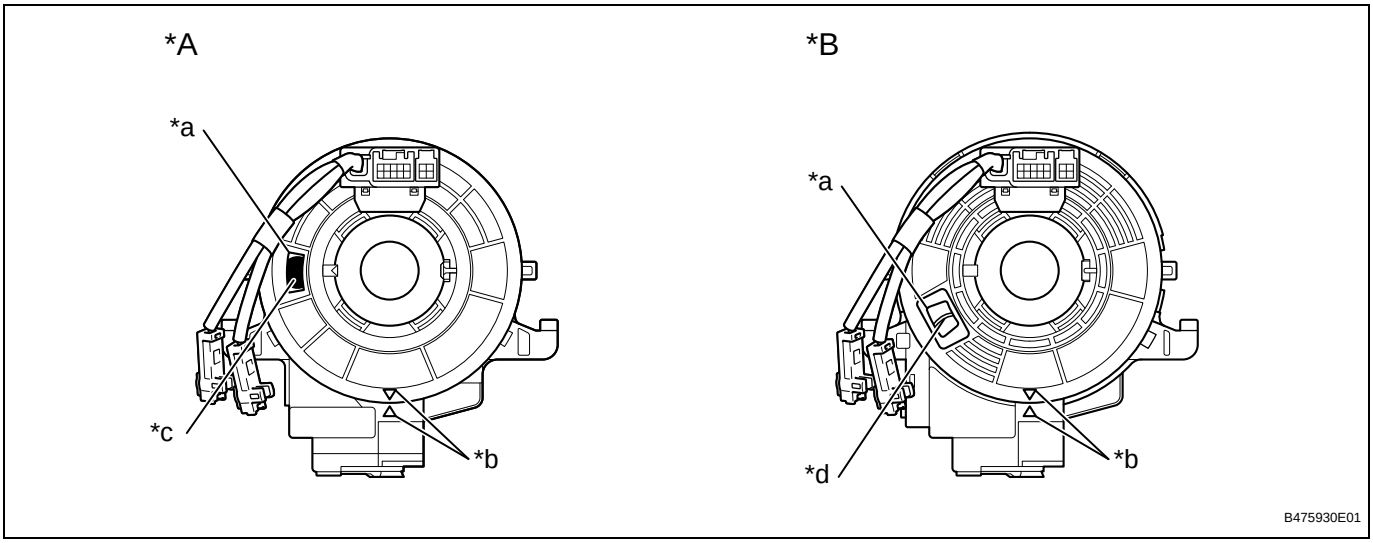
RS

1. INSPECT SPIRAL CABLE

NOTICE:
If the spiral cable is installed with the center position misaligned, steering angle sensor value abnormal DTCs will be stored, and recovery will be impossible. In this case, replace the spiral cable with a new one.

(a) Check the spiral cable center position.

Standard:
Connector is at the highest point.
Alignment marks are aligned.
Colored roller or top of flat cable U-turn portion can be seen through the check window.



Text in Illustration

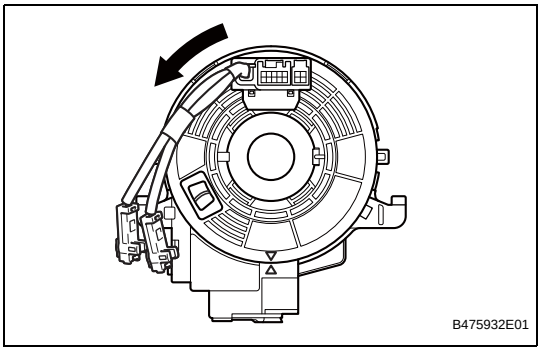
*A	Colored Roller Visible Type	*B	Flat Cable Visible Type
*a	Check Window	*b	Alignment Marks
*c	Colored Roller	*d	Top of U-turn Portion of Flat Cable

(b) If the spiral cable is not at the center position, perform centering of the spiral cable.

NOTICE:
Failure to observe the following precautions could result in breakage of the spiral cable.
- **Do not hold the airbag connector or wiring when rotating the spiral cable.**
- **Do not rotate with excessive force.**

[Added]

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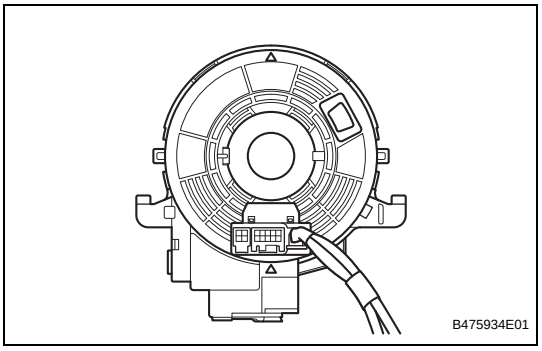
(1) Making sure to rotate in the counterclockwise direction only, slowly rotate the spiral cable in the counterclockwise direction until it stops.

Text in Illustration

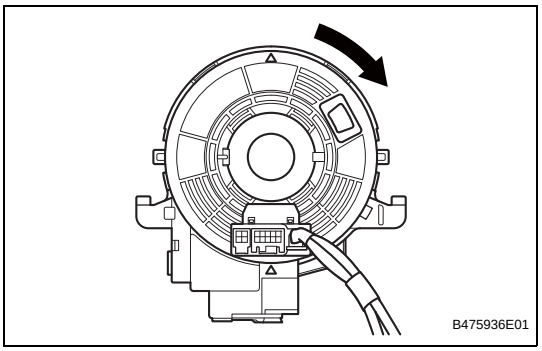
➡	Rotation Direction

NOTICE:

Make sure to rotate in the counterclockwise direction only. Rotating in the clockwise direction can break the spiral cable or make centering impossible.



(2) When the rotation stops, if the connector has passed the lowermost position, return the connector to the lowermost position as shown in the illustration.



(3) Rotate the spiral cable back in the clockwise direction for approximately 2.5 turns so that the connector moves from the lowermost position to the topmost position.

Text in Illustration

➡	Rotation Direction

NOTICE:

With the connector in the lowermost position, rotating clockwise 5 turns or more could break the spiral cable.

(4) Check that the spiral cable is centered.

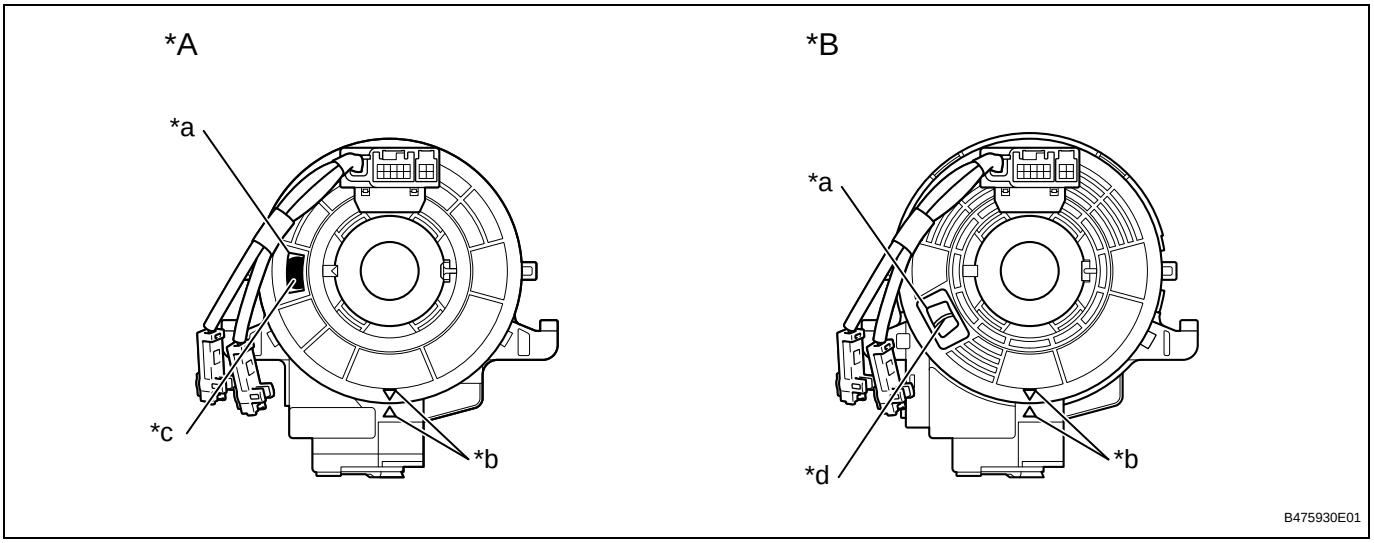
Standard:

Connector is at the highest point.
Alignment marks are aligned.
Colored roller or top of flat cable U-turn portion can be seen through the check window.

[Page Added]

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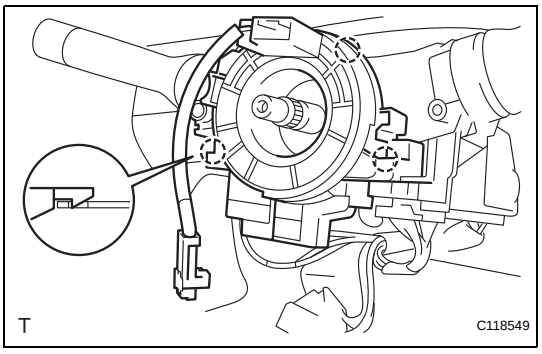


Text in Illustration

*A	Colored Roller Visible Type	*B	Flat Cable Visible Type
*a	Check Window	*b	Alignment Marks
*c	Colored Roller	*d	Top of U-turn Portion of Flat Cable

NOTICE:
If centering cannot be achieved, the spiral cable may be broken, so replace it with a new one.

[Added]



2. INSTALL STEERING SENSOR (w/ Steering Sensor) (See page)

3. INSTALL SPIRAL CABLE (w/o Steering Sensor)

(a) Check that the ignition switch is turned to off.

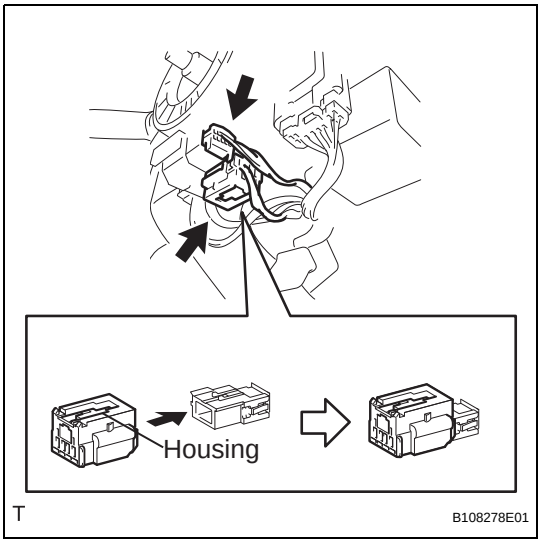
(b) Confirm that the negative battery terminal is detached.
CAUTION:
Do not begin the operation for at least 90 seconds after the negative battery terminal is detached.

(c) Confirm that the front tires face straight forward.

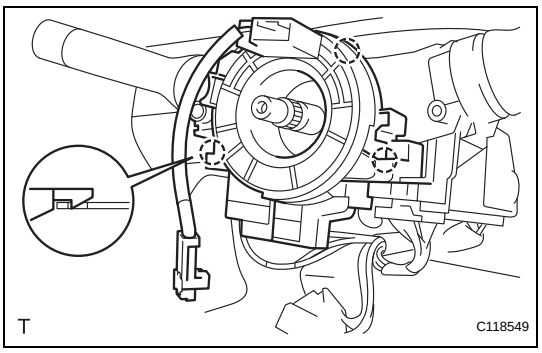
(d) Confirm that the turn signal switch is in the neutral position.
NOTICE:
Perform the operation when the turn signal switch is in the neutral position. Otherwise, the pin of the turn signal will break.

(e) Engage the 3 claws and install the spiral cable.
NOTICE:
Pull the lock pin out before installing the steering wheel, when replacing the spiral cable with a new one.

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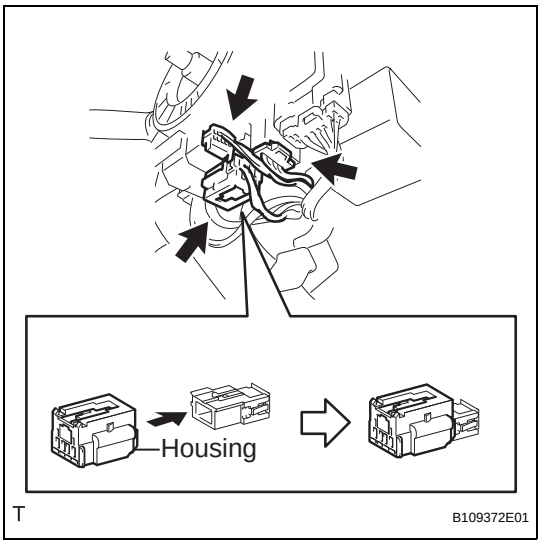


(f) Connect the airbag connector.
(g) Connect the horn connector.



4. INSTALL SPIRAL CABLE (w/ Steering Sensor)

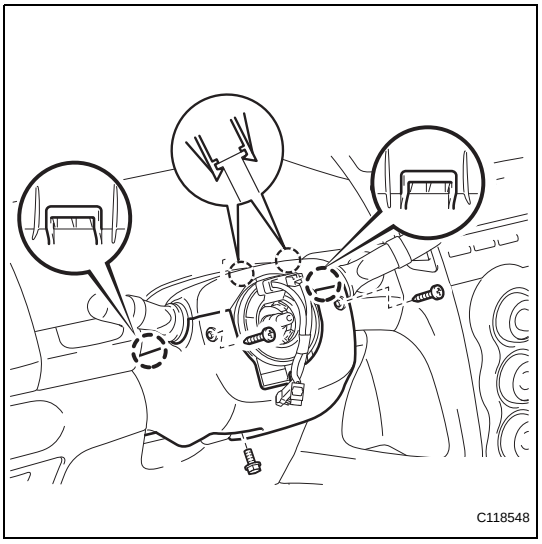
(a) Check that the ignition switch is turned to off.
(b) Confirm that the negative battery terminal is detached.
CAUTION:
Do not begin the operation for at least 90 seconds after the negative battery terminal is detached
(c) Confirm that the front tires face straight forward.
(d) Confirm that the turn signal switch is in the neutral position.
NOTICE:
Perform the operation when the turn signal switch is in the neutral position. Otherwise, the pin of the turn signal will break.
(e) Engage the 3 claws and install the spiral cable.
NOTICE:
Pull the lock pin out before installing the steering wheel, when replacing the spiral cable with a new one.



(f) Connect the steering connector.
(g) Connect the airbag connector.
(h) Connect the horn connector.

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5. INSTALL STEERING COLUMN COVER

(a) Engage the 2 claws and install the steering column cover (upper).

(b) Engage the 2 claws and install the steering column cover (lower).

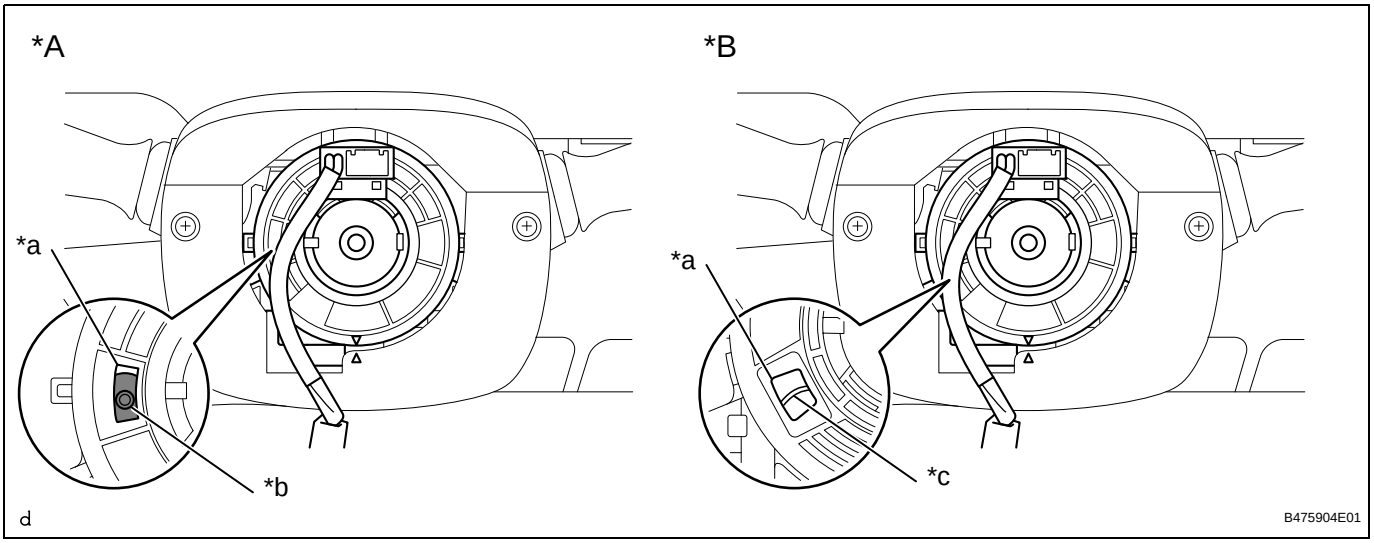
(c) Tighten the 3 screws.

6. ADJUST SPIRAL CABLE

(a) Check the spiral cable center position.

Standard:

Connector is at the highest point.
Colored roller or top of flat cable U-turn portion can be seen through the check window.



Text in Illustration

*A	Colored Roller Visible Type	*B	Flat Cable Visible Type
*a	Check Window	*b	Colored Roller
*c	Top of U-turn Portion of Flat Cable	-	-

(b) If the spiral cable is not at the center position, perform centering of the spiral cable.

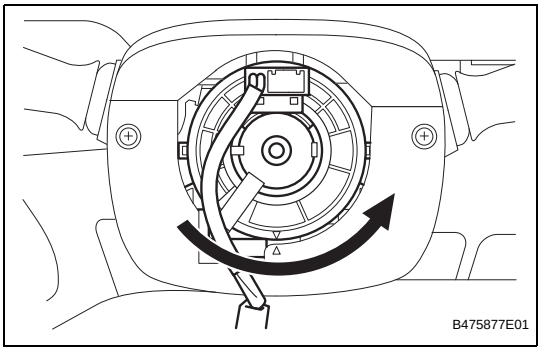
NOTICE:

Failure to observe the following precautions could result in breakage of the spiral cable.

- **Do not rotate the spiral cable while the negative (-) battery cable is connected and the ignition switch is turned to ON.**
- **Do not hold the airbag connector or wiring when rotating the spiral cable.**
- **Do not rotate with excessive force.**

[Corrected]

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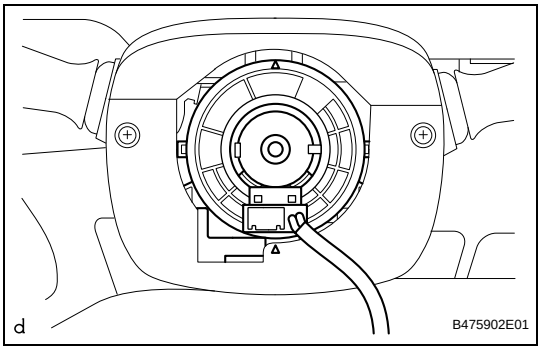
(1) Making sure to rotate in the counterclockwise direction only, slowly rotate the spiral cable in the counterclockwise direction until it stops.

Text in Illustration

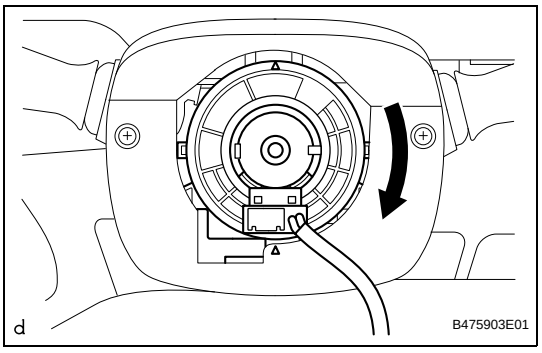
➡	Rotation Direction

NOTICE:

Make sure to rotate in the counterclockwise direction only. Rotating in the clockwise direction can break the spiral cable or make centering impossible.



(2) When the rotation stops, if the connector has passed the lowermost position, return the connector to the lowermost position as shown in the illustration.



(3) Rotate the spiral cable back in the clockwise direction for approximately 2.5 turns so that the connector moves from the lowermost position to the topmost position.

Text in Illustration

➡	Rotation Direction

NOTICE:

With the connector in the lowermost position, rotating clockwise 5 turns or more could break the spiral cable.

(4) Check that the spiral cable is centered.

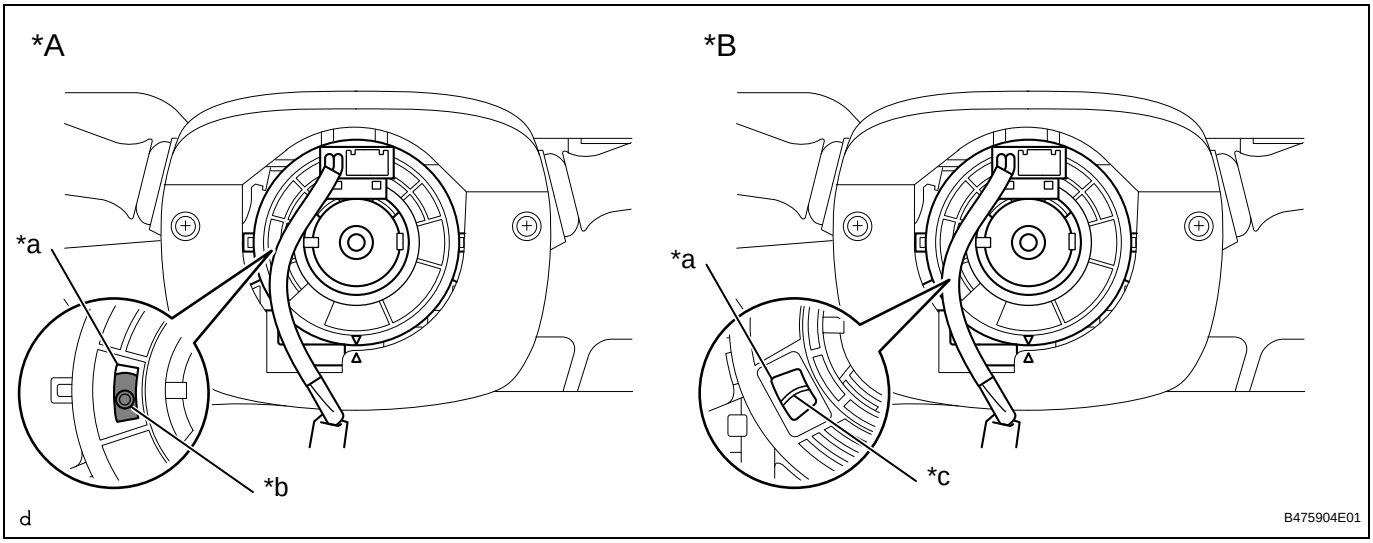
Standard:

Connector is at the highest point.
Colored roller or top of flat cable U-turn portion can be seen through the check window.

[All Corrected]

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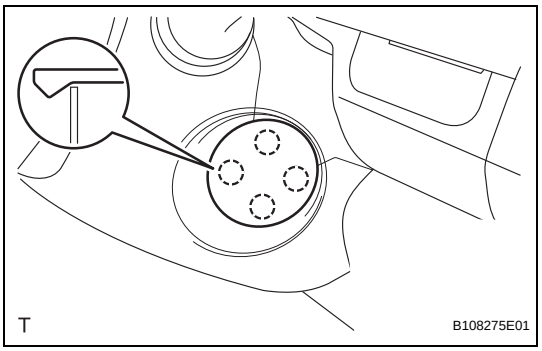
RS



Text in Illustration

*A	Colored Roller Visible Type	*B	Flat Cable Visible Type
*a	Check Window	*b	Colored Roller
*c	Top of U-turn Portion of Flat Cable	-	-

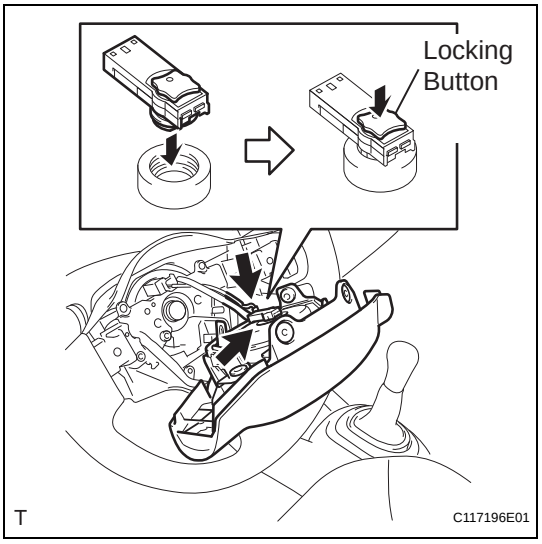
NOTICE:
If centering cannot be achieved, the spiral cable may be broken, so replace it with a new one.



7. INSTALL STEERING COLUMN COVER SUPPORT (w/ Entry and Start System)

(a) Engage the 4 claws and install the steering column cover support. [Corrected]

8. INSTALL STEERING WHEEL ASSEMBLY (See page)



9. INSTALL STEERING PAD (w/o Steering Pad Switch)

(a) Connect the horn connector.

(b) Connect the airbag connector.

NOTICE:
Securely lock the locking button.

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