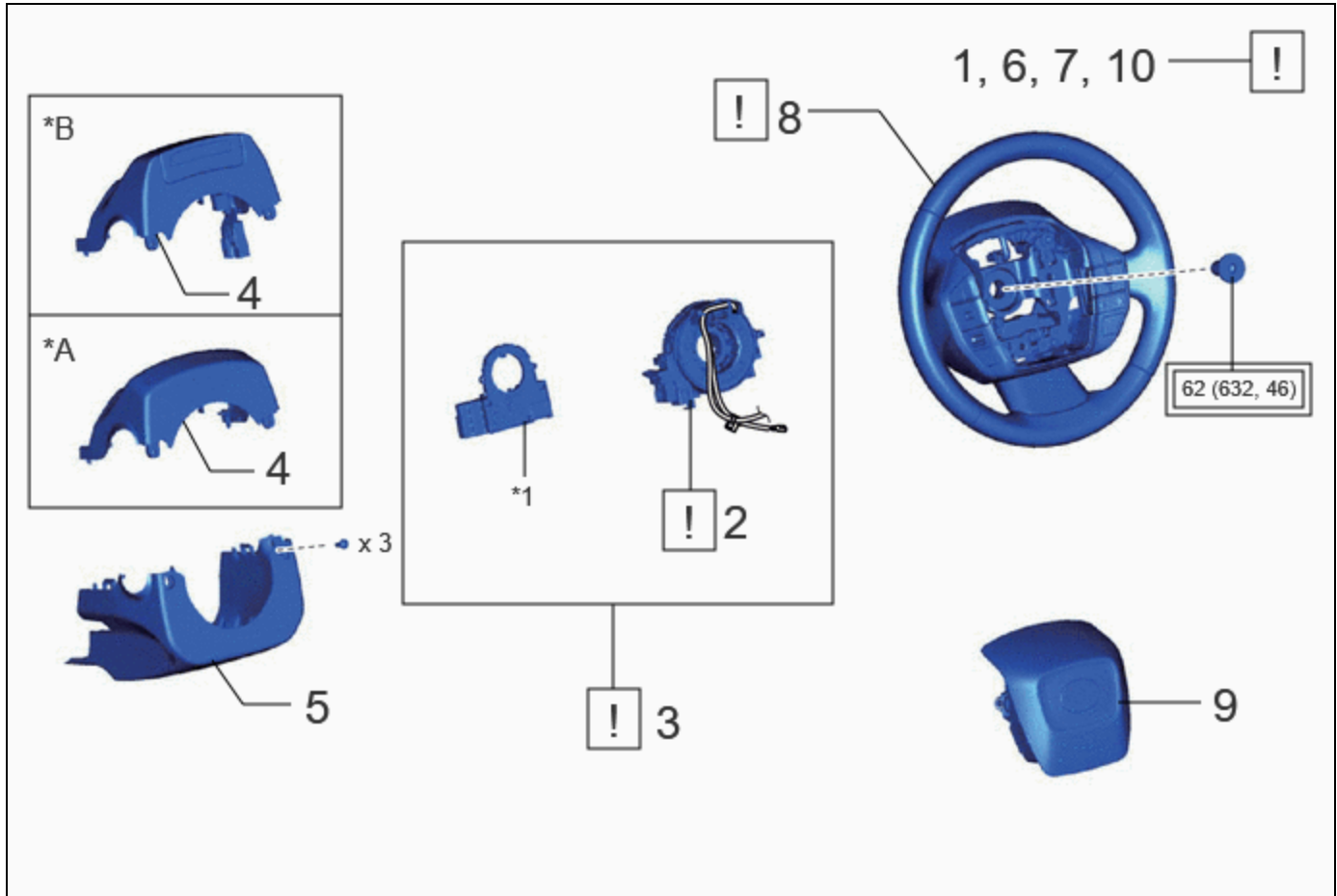


<b>Last Modified:</b> 12-04-2024	6.11:8.1.0	<b>Doc ID:</b> RM100000002BJL9
<b>Model Year Start:</b> 2023	<b>Model:</b> Prius Prime	<b>Prod Date Range:</b> [03/2023 - ]
<b>Title:</b> SUPPLEMENTAL RESTRAINT SYSTEMS: SPIRAL CABLE: INSTALLATION; 2023 - 2024 MY Prius Prius Prime [03/2023 - ]		




## INSTALLATION


### CAUTION / NOTICE / HINT

#### COMPONENTS (INSTALLATION)



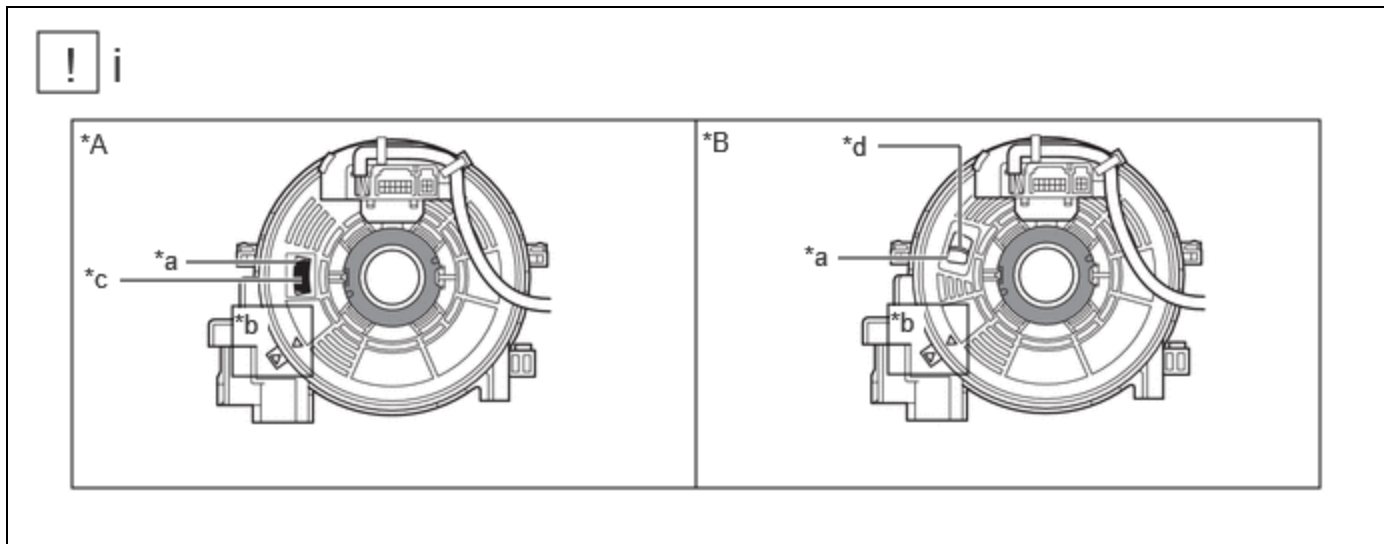
	PROCEDURE	PART NAME CODE	!	📄	⚙️
1	INSPECT SPIRAL CABLE SUB-ASSEMBLY	84306	INFO	-	-
2	SPIRAL CABLE SUB-ASSEMBLY	84306	INFO	-	-
3	SPIRAL CABLE WITH SENSOR SUB-ASSEMBLY	-	INFO	-	-
4	UPPER STEERING COLUMN COVER	45286B	-	-	-
5	LOWER STEERING COLUMN COVER	45287	-	-	-

PROCEDURE		PART NAME CODE			
6	ALIGN FRONT WHEELS FACING STRAIGHT AHEAD	-	-	-	-
7	INSPECT AND ADJUST SPIRAL CABLE WITH SENSOR SUB-ASSEMBLY	-	INFO	-	-
8	STEERING WHEEL ASSEMBLY	45100	INFO	-	-
9	HORN BUTTON ASSEMBLY	45130	-	-	-
10	CHECK STEERING WHEEL CENTER POINT	-	INFO	-	-

*A	w/o Driver Monitor Camera	*B	w/ Driver Monitor Camera
*1	STEERING SENSOR	-	-
	Tightening torque for "Major areas involving basic vehicle performance such as moving/turning/stopping": N*m (kgf*cm, ft.*lbf)		-

## PROCEDURE

### 1. INSPECT SPIRAL CABLE SUB-ASSEMBLY

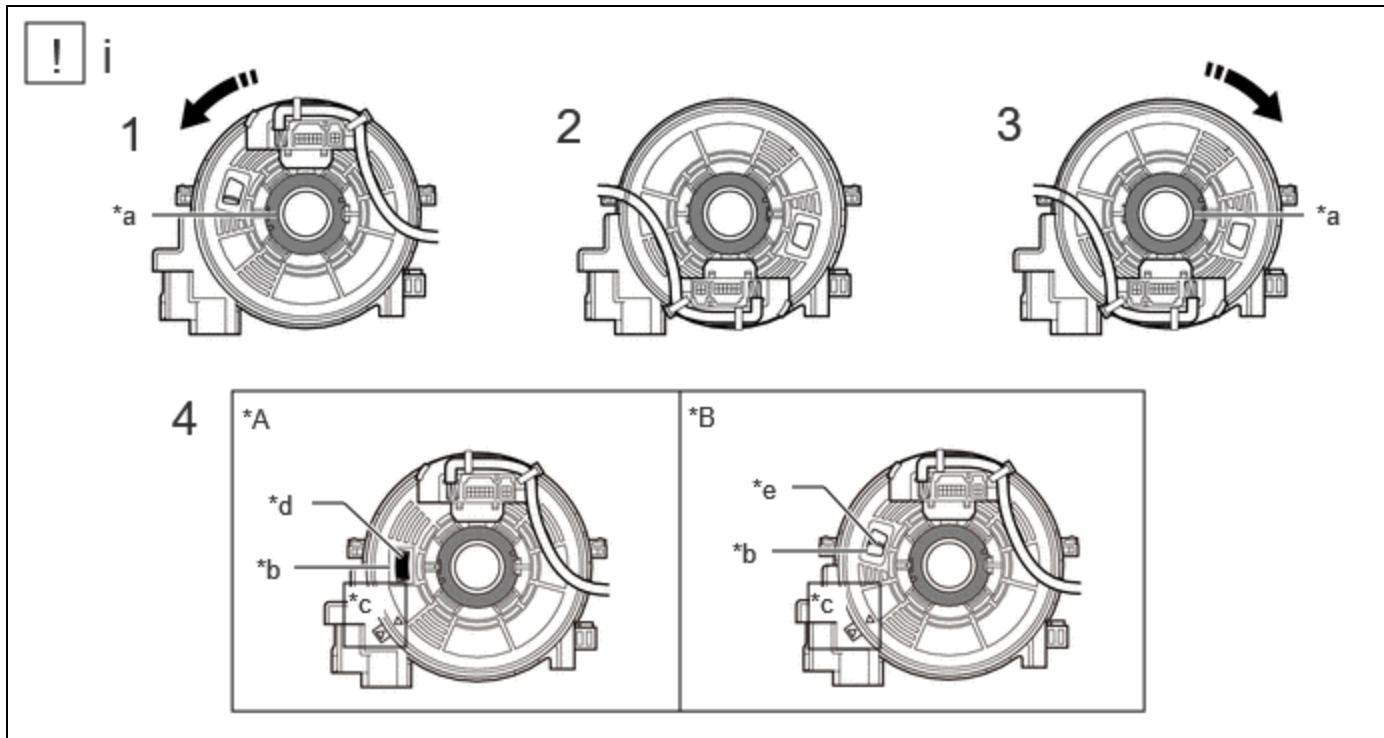



*A	Colored Roller Type	*B	Flat Cable Type
*a	Inspection Window	*b	Alignment Mark
*c	Colored Roller	*d	Flat Cable

(1) Check if the spiral cable sub-assembly is centered.

**OK:**

- The connector is positioned at the top.
- The alignment marks are aligned correctly.
- The flat cable or colored roller can be seen in the inspection window.



*A	Colored Roller Type	*B	Flat Cable Type
*a	Interlock	*b	Inspection Window
*c	Alignment Mark	*d	Colored Roller
*e	Flat Cable	-	-
	Rotation Direction	-	-

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

**NOTICE:**

Make sure to observe the following precautions, otherwise the spiral cable sub-assembly may be damaged.

- Release the interlock before rotating the spiral cable sub-assembly.
- Do not rotate the spiral cable sub-assembly using the airbag wire harness.
- Do not rotate the spiral cable sub-assembly with excessive force.

1. While pushing on the interlock shown in the illustration, rotate the spiral cable sub-assembly counterclockwise slowly by hand until it stops.

**NOTICE:**

If the spiral cable sub-assembly is rotated clockwise in this step, it may be damaged and may no longer be able to be centered. Make sure to only rotate the spiral cable sub-assembly counterclockwise.

**HINT:**

If the interlock is engaged, the spiral cable sub-assembly will lock when the connector is near at the top or bottom of the rotation of the spiral cable sub-assembly.

2. If the connector is not positioned at the bottom of the rotation of the spiral cable sub-assembly when the spiral cable sub-assembly is turned until it stops, turn the spiral cable sub-assembly clockwise until the connector is positioned at the bottom as shown in the illustration.

3. While pushing on the interlock shown in the illustration, rotate the spiral cable sub-assembly clockwise approximately 2.5 times.

**NOTICE:**

If the spiral cable sub-assembly is rotated clockwise 5 times or more from the point at which it stops and the connector is positioned at the bottom, the spiral cable sub-assembly may be damaged.

**HINT:**

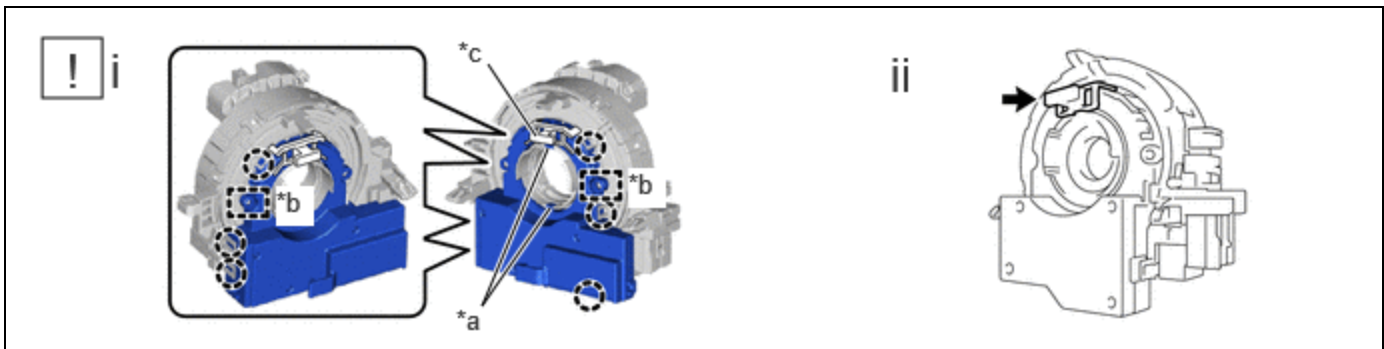
If the interlock is engaged, the spiral cable sub-assembly will lock when the connector is near at the top or bottom of the rotation of the spiral cable sub-assembly.

4. Check that the spiral cable sub-assembly is centered.

**OK:**

- The connector is positioned at the top.
- The alignment marks are aligned correctly.
- The flat cable or colored roller can be seen in the inspection window.

**2. INSTALL SPIRAL CABLE SUB-ASSEMBLY**



*a	Guide	*b	Pin
*c	Lock Pin	-	-

(1) Align the 2 pins and 2 guides, and engage the 6 claws to install the spiral cable sub-assembly to the steering sensor.

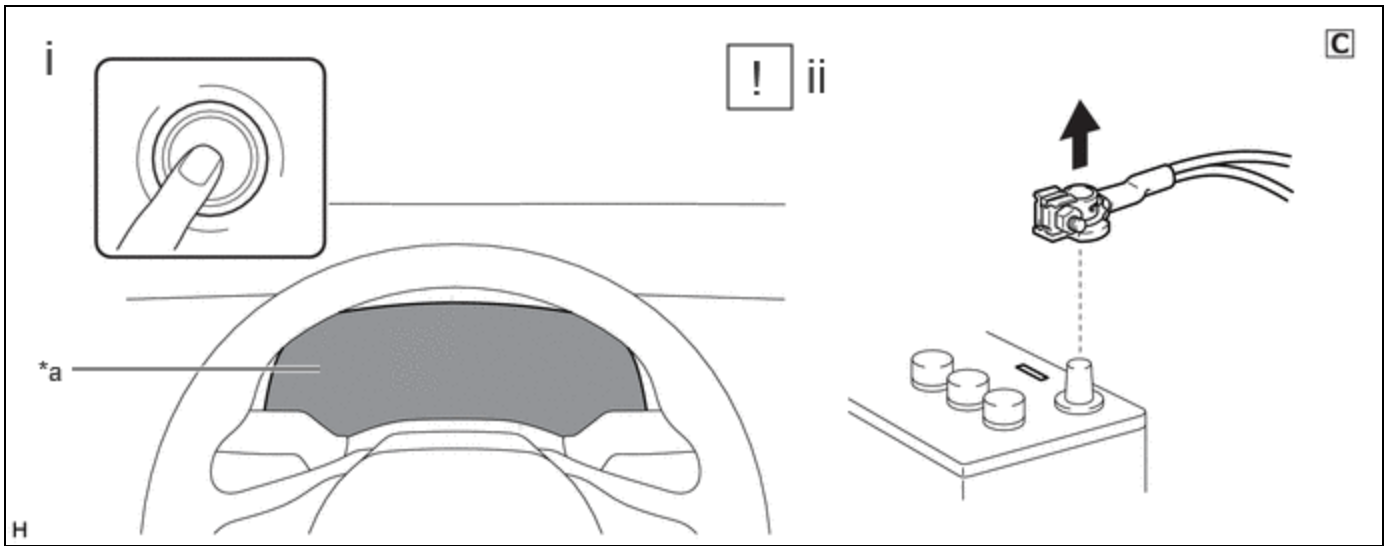
**NOTICE:**

- Do not remove the lock pin before the spiral cable sub-assembly is installed to the steering sensor.
- Do not damage the pins of the spiral cable sub-assembly or guides of the steering sensor.
- The spiral cable sub-assembly can be rotated up to 30° even when the interlock is engaged. Therefore, make sure that both guides are aligned properly when installing the spiral cable sub-assembly to the steering sensor.

(2) Remove the lock pin from the steering sensor.

**3. INSTALL SPIRAL CABLE WITH SENSOR SUB-ASSEMBLY**

	<p><b>NOTICE:</b></p> <ul style="list-style-type: none"> <li>• Do not remove/install the spiral cable with sensor sub-assembly with the auxiliary battery connected and the ignition switch ON.</li> <li>• Do not rotate the spiral cable with sensor sub-assembly without the steering wheel assembly installed, with the auxiliary battery connected and the ignition switch ON.</li> <li>• Ensure that the steering wheel assembly is installed and aligned straight when inspecting the steering sensor.</li> </ul>
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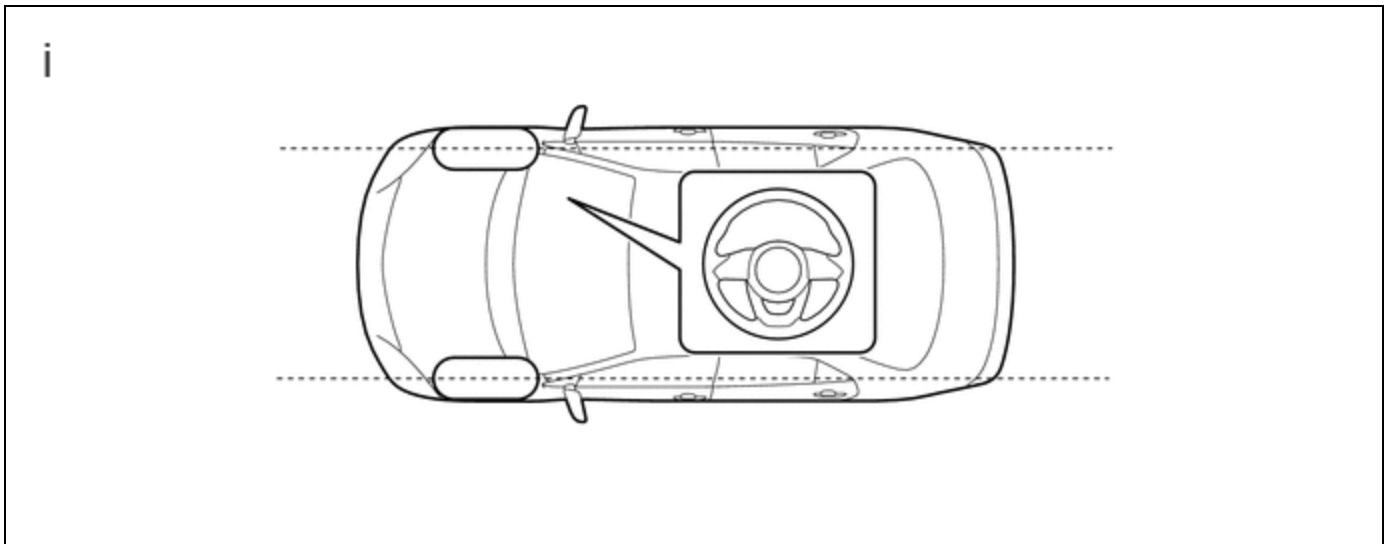


*a	Illumination off	-	-
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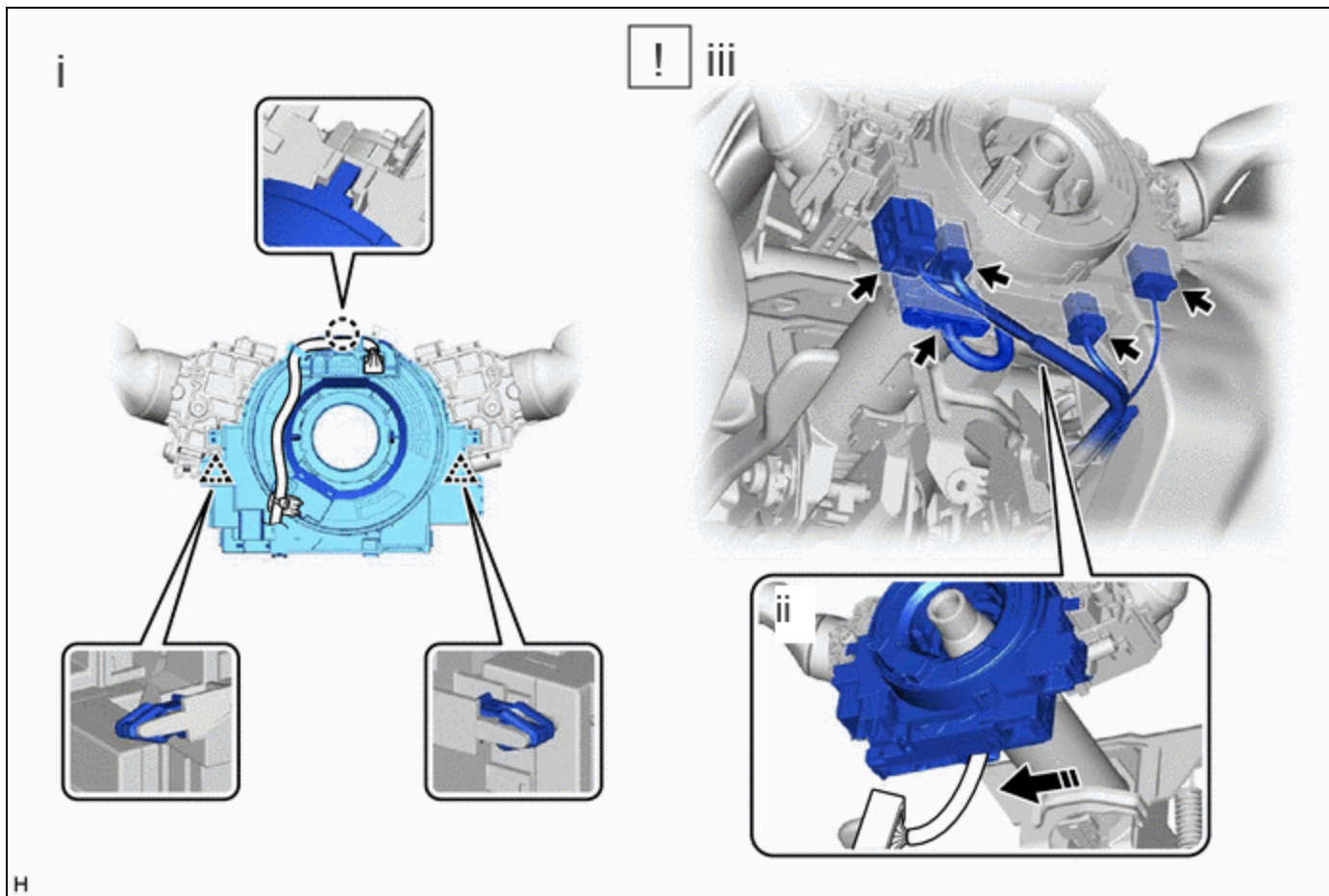
- (1) Check that the ignition switch is off.
- (2) Check that the cable is disconnected from the negative (-) auxiliary battery terminal.

**CAUTION:**

Wait at least 60 seconds after disconnecting the cable from the negative (-) auxiliary battery terminal to disable the SRS system.



- (1) Check that the front wheels are aligned facing straight ahead.



- (1) Engage the claw and 2 clips to install the spiral cable with sensor sub-assembly.
- (2) Install the wire harness to the spiral cable with sensor sub-assembly as shown in the illustration.
- (3) Connect each connector.

**HINT:**

Refer to [How to Connect or Disconnect Airbag Connector](#).

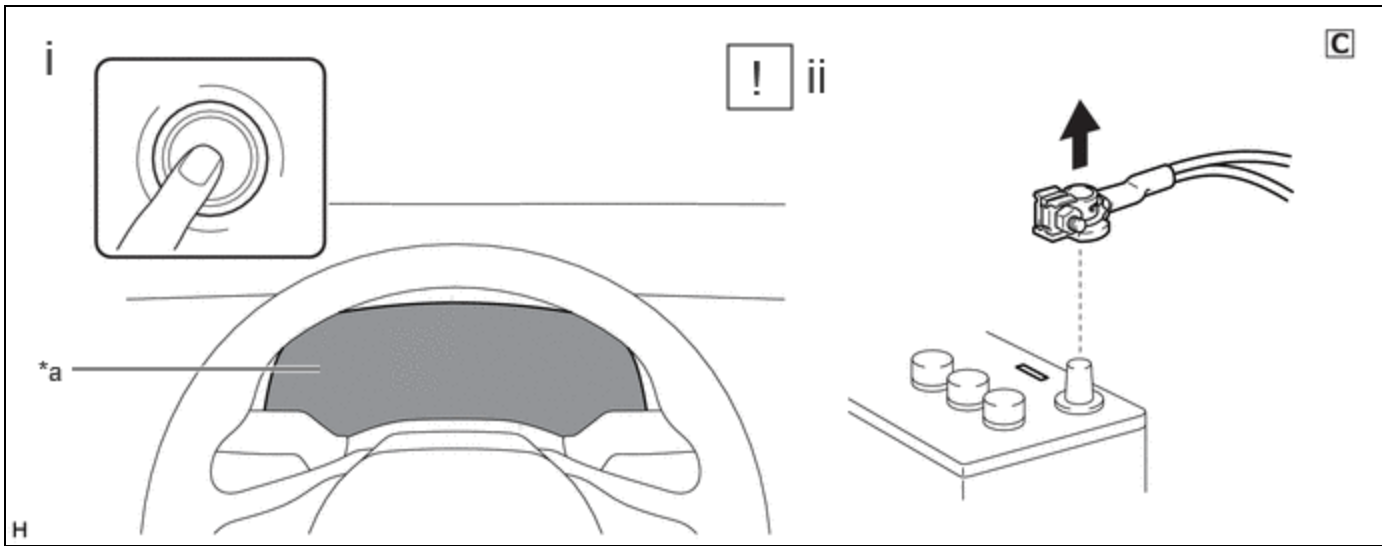
Click here [INFO](#)

**4. INSTALL UPPER STEERING COLUMN COVER**

**5. INSTALL LOWER STEERING COLUMN COVER**

**6. ALIGN FRONT WHEELS FACING STRAIGHT AHEAD**

**7. INSPECT AND ADJUST SPIRAL CABLE WITH SENSOR SUB-ASSEMBLY**

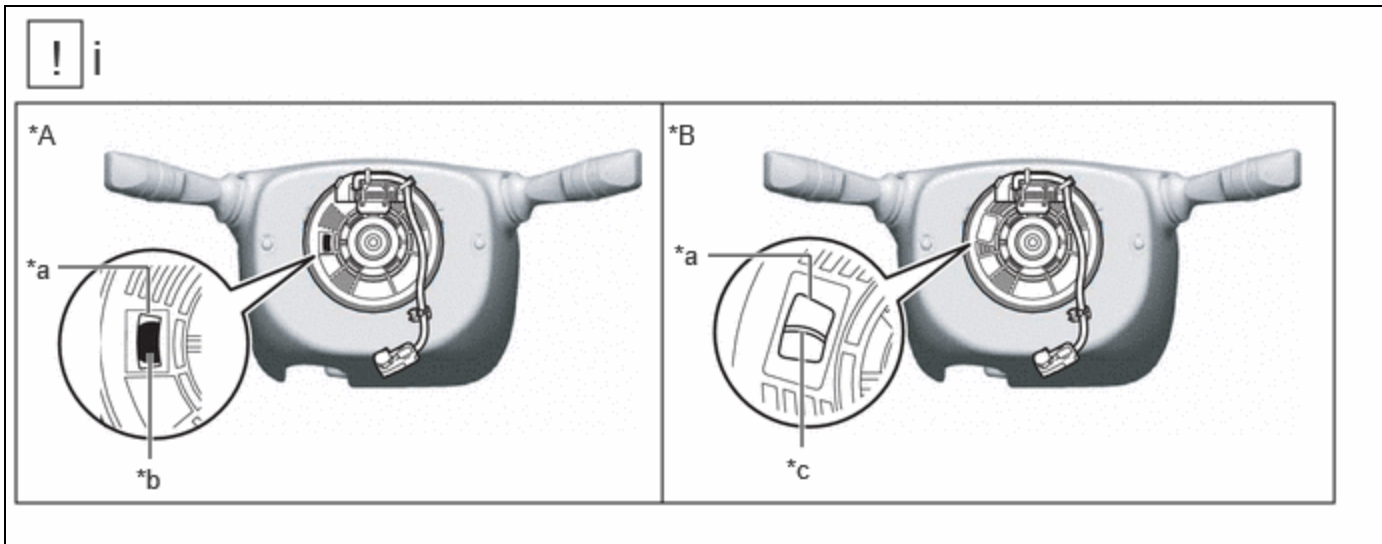


*a	Illumination off	-	-
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- (1) Check that the ignition switch is off.
- (2) Check that the cable is disconnected from the negative (-) auxiliary battery terminal.

**CAUTION:**

Wait at least 60 seconds after disconnecting the cable from the negative (-) auxiliary battery terminal to disable the SRS system.

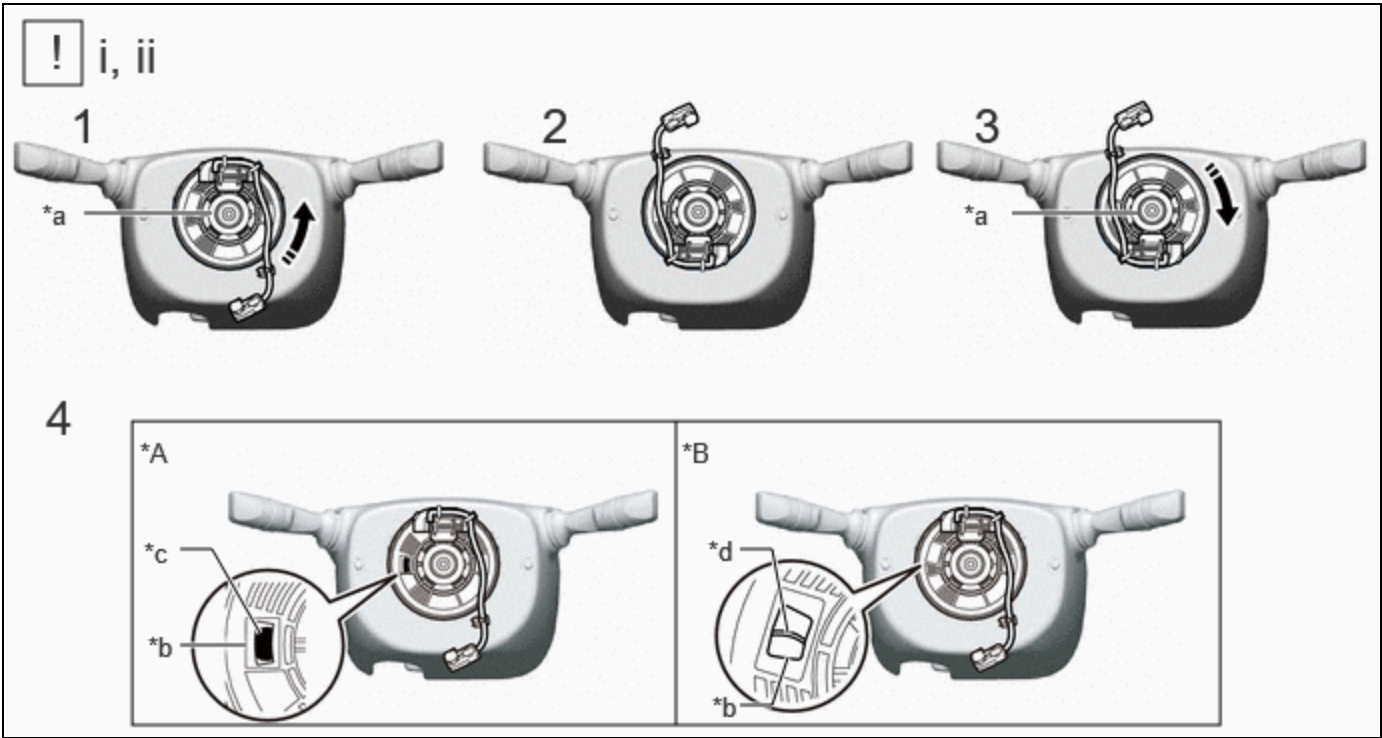



*A	Colored Roller Type	*B	Flat Cable Type
*a	Inspection Window	*b	Colored Roller
*c	Flat Cable	-	-

- (1) Check if the spiral cable with sensor sub-assembly is centered.

**OK:**

- The connector is positioned at the top.
- The flat cable or colored roller can be seen in the inspection window.



*A	Colored Roller Type	*B	Flat Cable Type
*a	Interlock	*b	Inspection Window
*c	Colored Roller	*d	Flat Cable
	Rotation Direction	-	-

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

**NOTICE:**

Make sure to observe the following precautions, otherwise the spiral cable with sensor sub-assembly may be damaged.

- Do not rotate the spiral cable with sensor sub-assembly with the auxiliary battery connected and the ignition switch ON.
- Release the interlock before rotating the spiral cable with sensor sub-assembly.
- Do not rotate the spiral cable with sensor sub-assembly using the airbag wire harness.
- Do not rotate the spiral cable with sensor sub-assembly with excessive force.

1. While pushing on the interlock shown in the illustration, rotate the spiral cable with sensor sub-assembly counterclockwise slowly by hand until it stops.

**NOTICE:**

If the spiral cable with sensor sub-assembly is rotated clockwise in this step, it may be damaged and may no longer be able to be centered. Make sure to only rotate the spiral cable with sensor sub-assembly counterclockwise.

**HINT:**

If the interlock is engaged, the spiral cable with sensor sub-assembly will lock when the connector is near at the top or bottom of the rotation of the spiral cable with sensor sub-assembly.

2. If the connector is not positioned at the bottom of the rotation of the spiral cable with sensor sub-assembly when the spiral cable with sensor sub-assembly is turned until it stops, turn the spiral cable with sensor sub-assembly clockwise until the connector is positioned at the bottom as shown in the illustration.



3. While pushing on the interlock shown in the illustration, rotate the spiral cable with sensor sub-assembly clockwise approximately 2.5 times.

**NOTICE:**

If the spiral cable with sensor sub-assembly is rotated clockwise 5 times or more from the point at which it stops and the connector is positioned at the bottom, the spiral cable with sensor sub-assembly may be damaged.

**HINT:**

If the interlock is engaged, the spiral cable with sensor sub-assembly will lock when the connector is near at the top or bottom of the rotation of the spiral cable with sensor sub-assembly.


4. Check that the spiral cable with sensor sub-assembly is centered.

**OK:**

- The connector is positioned at the top.
- The flat cable or colored roller can be seen in the inspection window.

(2) If the spiral cable with sensor sub-assembly cannot be centered, it may be damaged. Replace the spiral cable sub-assembly and steering sensor with a new one.

**8. INSTALL STEERING WHEEL ASSEMBLY**

	Click here <a href="#">INFO</a>
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**9. INSTALL HORN BUTTON ASSEMBLY**

Click here [INFO](#)

**10. CHECK STEERING WHEEL CENTER POINT**

Click here [INFO](#)

