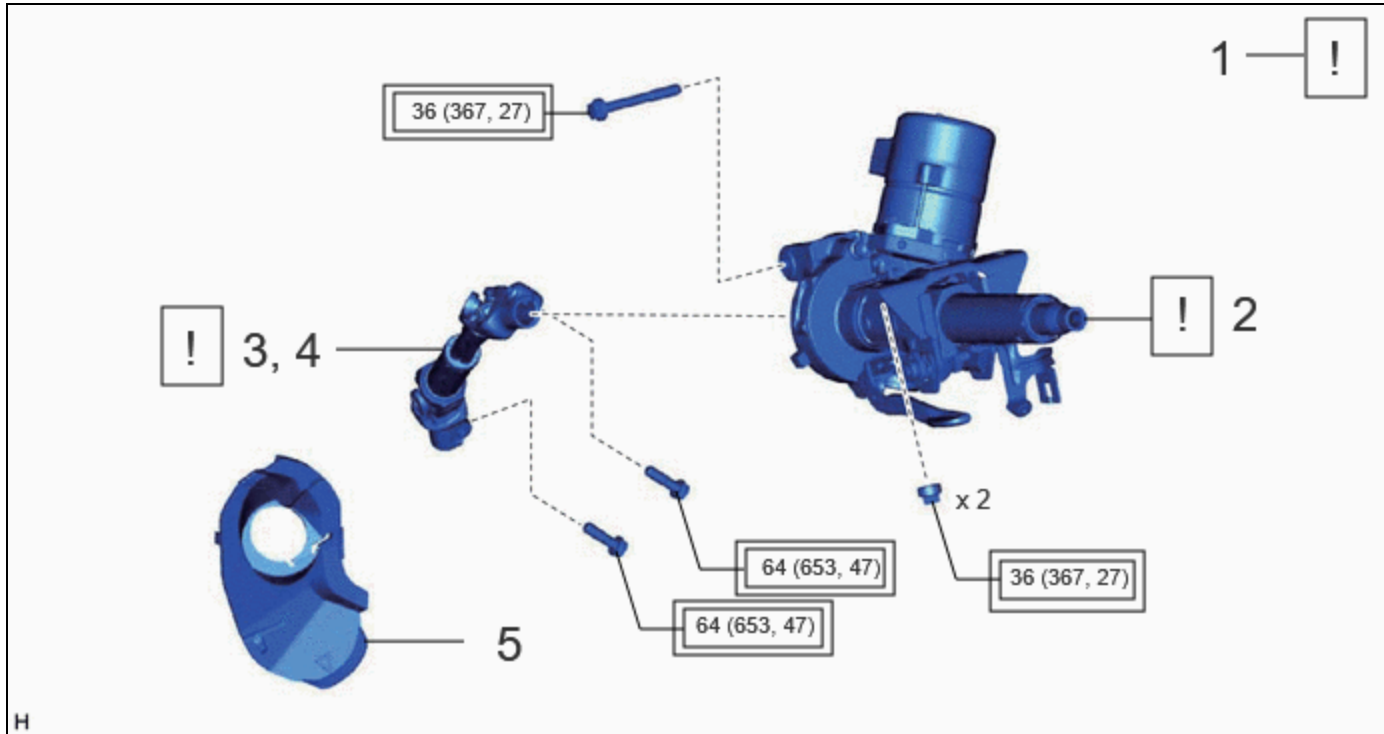


Last Modified: 12-04-2024	6.11:8.1.0	Doc ID: RM100000002AZTB
Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [03/2023 -]
Title: STEERING COLUMN: STEERING COLUMN ASSEMBLY: INSTALLATION; 2023 - 2024 MY Prius Prius Prime [03/2023 -]		


INSTALLATION

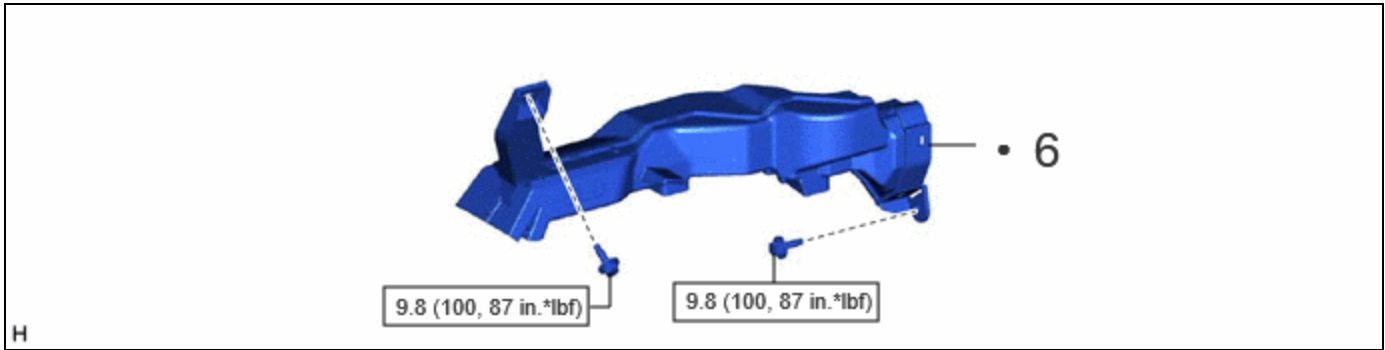
CAUTION / NOTICE / HINT




COMPONENTS (INSTALLATION)




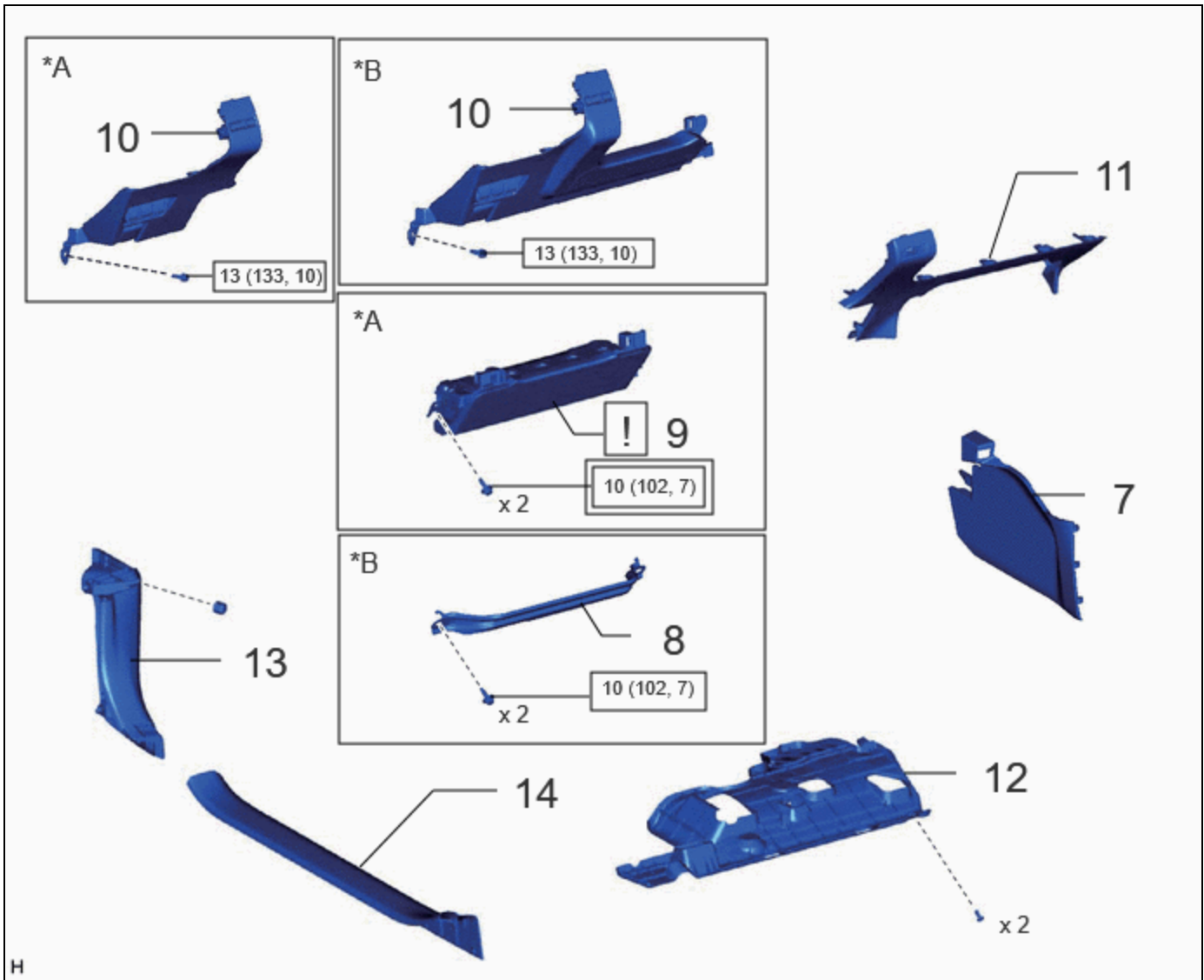
	PROCEDURE	PART NAME CODE	!	📄	⚙️
1	ALIGN FRONT WHEELS FACING STRAIGHT AHEAD	-	INFO	-	-
2	STEERING COLUMN ASSEMBLY	-	INFO	-	-
3	INSTALL NO. 2 STEERING INTERMEDIATE SHAFT ASSEMBLY	45260	INFO	-	-
4	CONNECT NO. 2 STEERING INTERMEDIATE SHAFT ASSEMBLY	45260	INFO	-	-
5	COLUMN HOLE COVER SILENCER SHEET	45259A	-	-	-

	Tightening torque for "Major areas involving basic vehicle performance such as moving/turning/stopping": N*m (kgf*cm, ft.*lbf)	- -
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
PROCEDURE	PART NAME CODE			
6	NO. 1 AIR DUCT	-	-	-

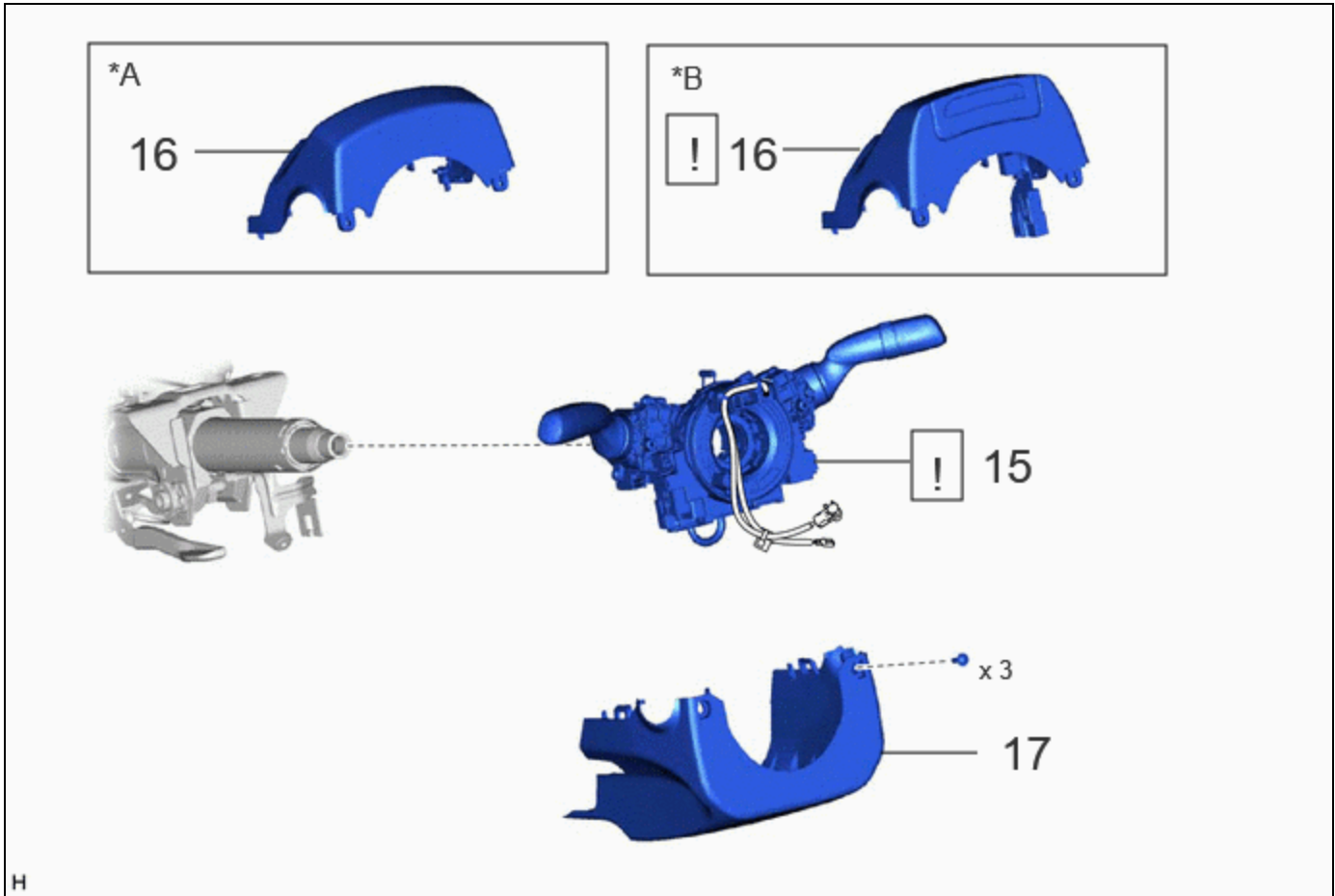
•	Non-reusable part	-	-
	N*m (kgf*cm, ft.*lbf): Specified torque	-	-








PROCEDURE		PART NAME CODE			
7	FRONT NO. 1 CONSOLE BOX INSERT	58816D	-	-	-
8	NO. 2 KNEE PROTECTOR BRACKET	55462C	-	-	-
9	LOWER NO. 1 INSTRUMENT PANEL AIRBAG ASSEMBLY	73900	INFO	-	-
10	LOWER INSTRUMENT PANEL FINISH PANEL ASSEMBLY	55480D	-	-	-
11	LOWER CENTER INSTRUMENT PANEL FINISH PANEL	55434B	-	-	-
12	NO. 1 INSTRUMENT PANEL UNDER COVER SUB-ASSEMBLY	55606	-	-	-
13	COWL SIDE TRIM BOARD LH	62112	-	-	-
14	FRONT DOOR SCUFF PLATE LH	67914	-	-	-

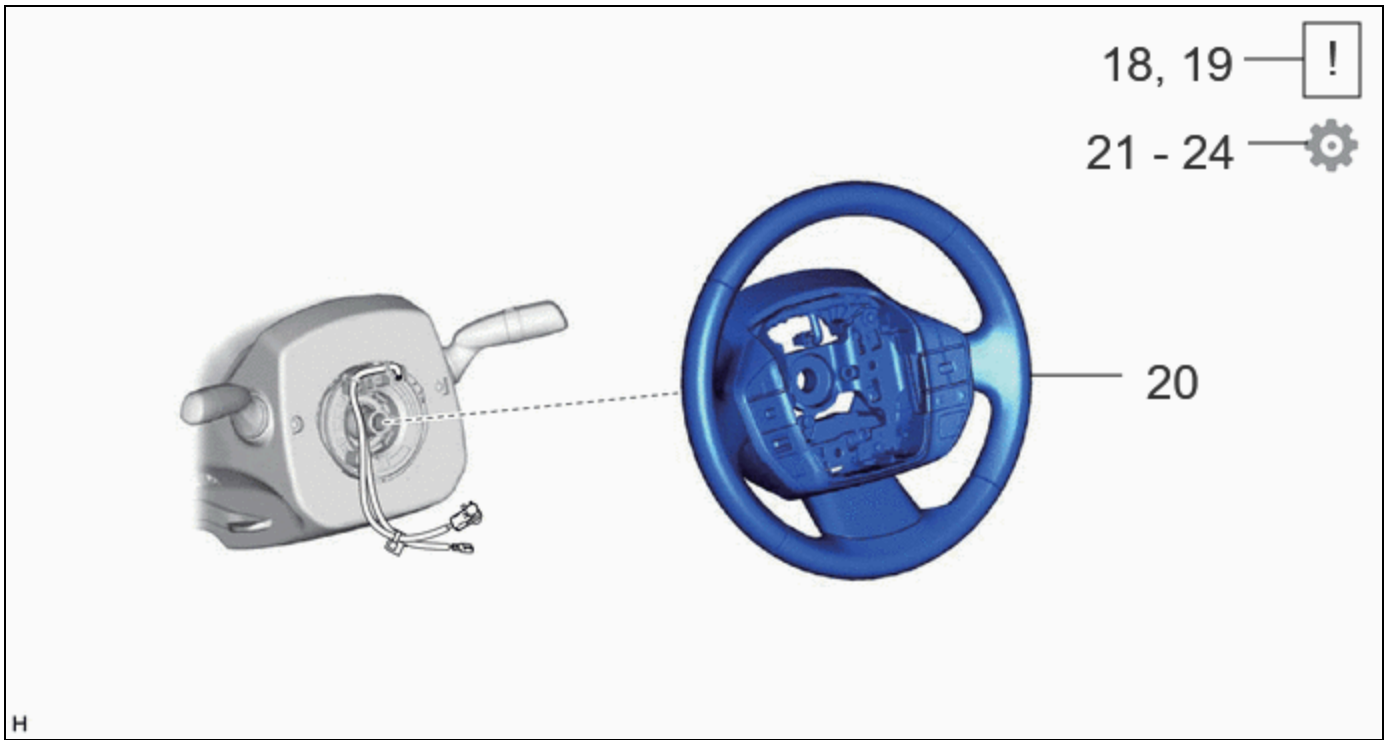
*A	w/ Knee Airbag	*B	w/o Knee Airbag
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	Tightening torque for "Major areas involving basic vehicle performance such as moving/turning/stopping": N*m (kgf*cm, ft.*lbf)		N*m (kgf*cm, ft.*lbf): Specified torque
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	PROCEDURE	PART NAME CODE			
15	TURN SIGNAL SWITCH ASSEMBLY WITH SPIRAL CABLE SUB-ASSEMBLY	-		-	-
16	UPPER STEERING COLUMN COVER	45286B		-	-
17	LOWER STEERING COLUMN COVER	45287	-	-	-

*A	w/o Driver Monitor Camera	*B	w/ Driver Monitor Camera
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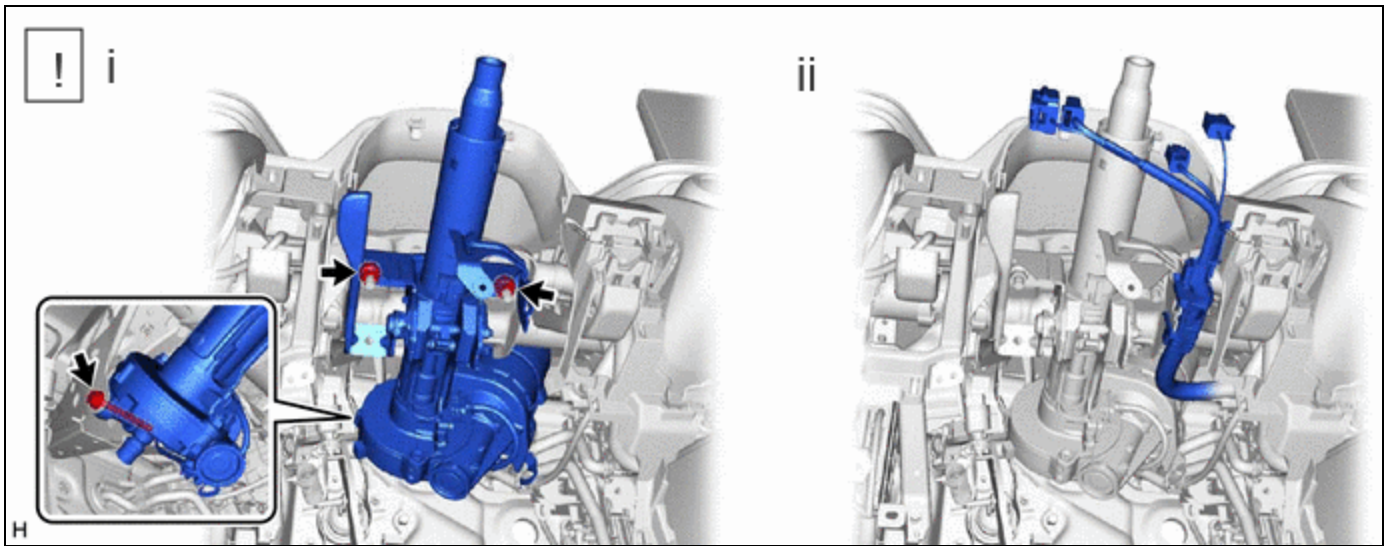
PROCEDURE		PART NAME CODE			
18	ALIGN FRONT WHEELS FACING STRAIGHT AHEAD	-	INFO	-	-
19	INSPECT AND ADJUST SPIRAL CABLE WITH SENSOR SUB-ASSEMBLY	-	INFO	-	-
20	STEERING WHEEL ASSEMBLY	45100	-	-	-
21	UPDATE ECU SECURITY KEY	-	-	-	INFO
22	ECU CONFIGURATION	-	-	-	INFO
23	POWER STEERING ECU INITIAL SETTING (TORQUE SENSOR ZERO POINT CALIBRATION AND ASSIST MAP WRITING)	-	-	-	INFO
24	END POSITION INITIAL SETTING	-	-	-	INFO

PROCEDURE

1. ALIGN FRONT WHEELS FACING STRAIGHT AHEAD

2. INSTALL STEERING COLUMN ASSEMBLY

	<p>NOTICE: Make sure that the wire harness is not interfering with the steering column assembly.</p> <p>HINT: As the illustration shown is an example, the actual details may differ.</p>
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(1) Install the steering column assembly with the bolt and 2 nuts.

Torque:

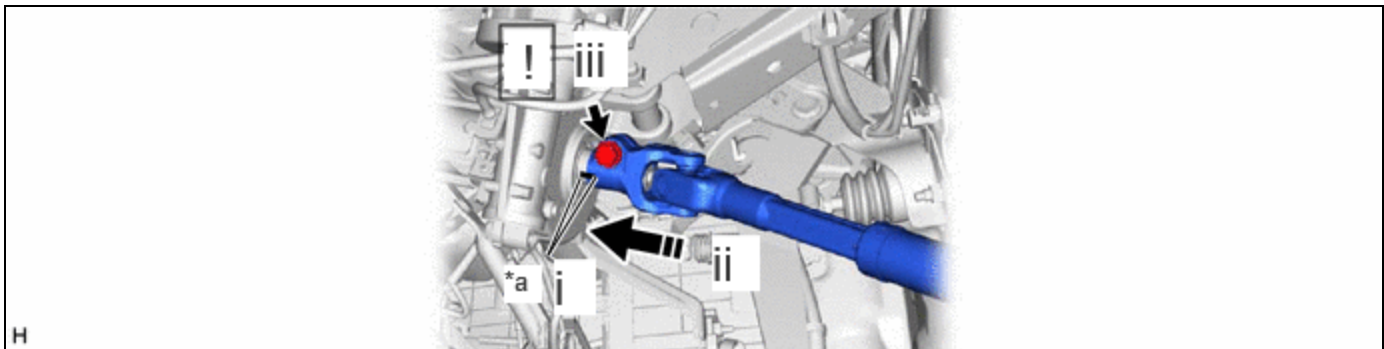
36 N*m (367 kgf*cm, 27 ft.*lbf)

NOTICE:

After temporarily tightening the bolt, fully tighten the 2 nuts then fully tighten the bolt.

(2) Connect each connector and engage each wire harness clamp to the steering column assembly.

3. INSTALL NO. 2 STEERING INTERMEDIATE SHAFT ASSEMBLY



*a	Matchmark	-	-
	Install in this direction	-	-

(1) Align the matchmarks on the No. 2 steering intermediate shaft assembly and steering column assembly.

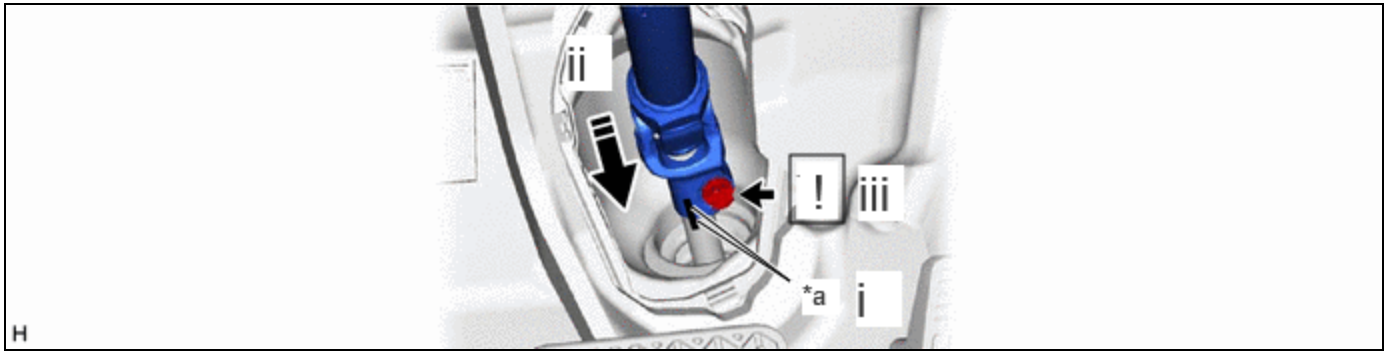
(2) Install the No. 2 steering intermediate shaft assembly to the steering column assembly.

(3) Install the bolt.

Torque:

64 N·m {653 kgf·cm, 47 ft·lbf}

4. CONNECT NO. 2 STEERING INTERMEDIATE SHAFT ASSEMBLY



*a	Matchmark	-	-
	Connect in this direction	-	-

- (1) Align the matchmarks on the No. 2 steering intermediate shaft assembly and steering gear assembly.
- (2) Connect the No. 2 steering intermediate shaft assembly to the steering gear assembly.
- (3) Install the bolt.

Torque:

64 N·m {653 kgf·cm, 47 ft·lbf}

5. INSTALL COLUMN HOLE COVER SILENCER SHEET

6. INSTALL NO. 1 AIR DUCT

Torque:

9.8 N·m {100 kgf·cm, 87 in·lbf}

7. INSTALL FRONT NO. 1 CONSOLE BOX INSERT

8. INSTALL NO. 2 KNEE PROTECTOR BRACKET (w/o Knee Airbag)

Torque:

10 N·m {102 kgf·cm, 7 ft·lbf}

9. INSTALL LOWER NO. 1 INSTRUMENT PANEL AIRBAG ASSEMBLY (w/ Knee Airbag)

	Click here INFO
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10. INSTALL LOWER INSTRUMENT PANEL FINISH PANEL ASSEMBLY

Click here [INFO](#)

11. INSTALL LOWER CENTER INSTRUMENT PANEL FINISH PANEL

12. INSTALL NO. 1 INSTRUMENT PANEL UNDER COVER SUB-ASSEMBLY

13. INSTALL COWL SIDE TRIM BOARD LH

14. INSTALL FRONT DOOR SCUFF PLATE LH

15. INSTALL TURN SIGNAL SWITCH ASSEMBLY WITH SPIRAL CABLE SUB-ASSEMBLY

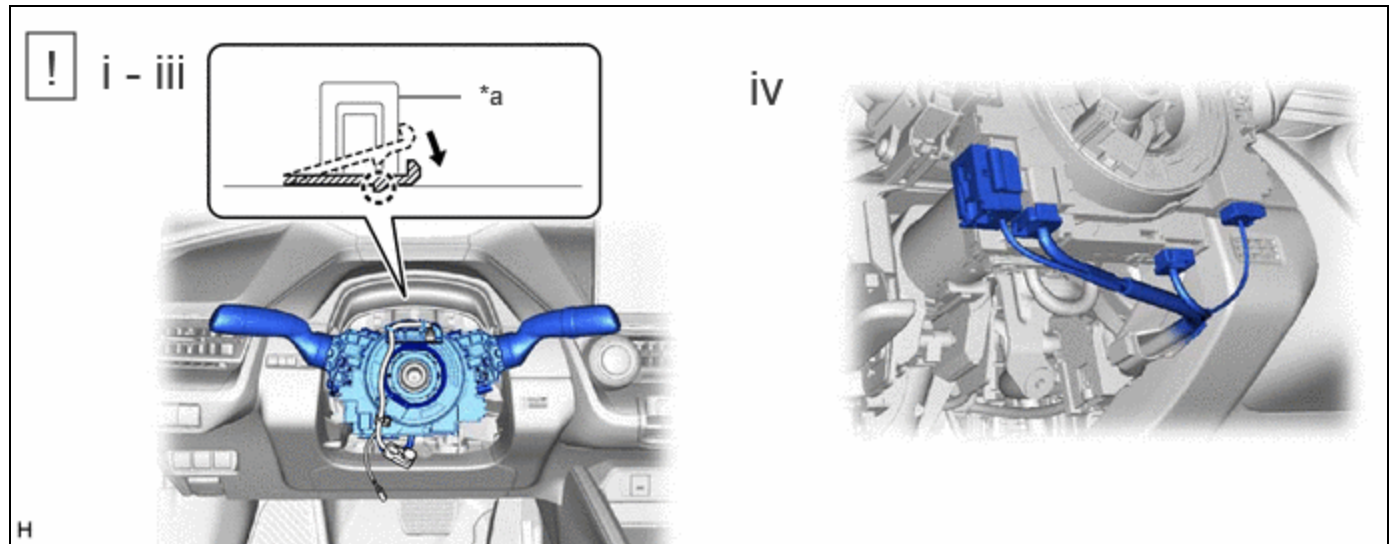
!

NOTICE:

- Do not remove/install the spiral cable with sensor sub-assembly with the auxiliary battery connected and the ignition switch ON.
- 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.
- Ensure that the steering wheel assembly is installed and aligned straight when inspecting the steering sensor.

HINT:

As the illustration shown is an example, the actual details may differ.



*a	Clamp	-	-
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- (1) Using pliers, expand the clamp.
- (2) While holding the clamp expanded, install the turn signal switch assembly with spiral cable sub-assembly to the steering column assembly and engage the claw.
- (3) Return the clamp to its original position.
- (4) Connect the connectors to the turn signal switch assembly with spiral cable sub-assembly.

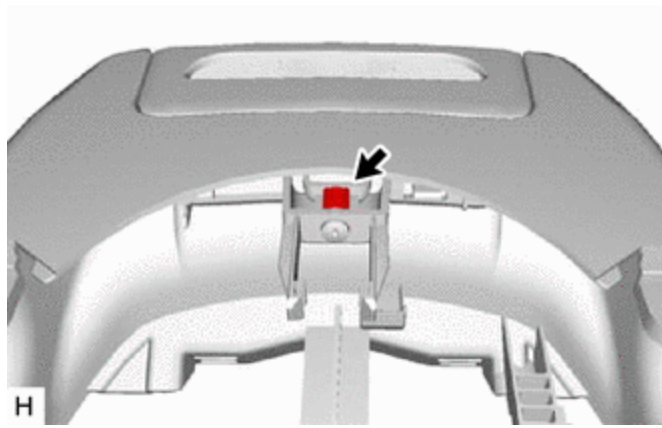
16. INSTALL UPPER STEERING COLUMN COVER

!

w/ Driver Monitor Camera:

NOTICE:

As there is a possibility of the upper steering column cover cracking, do not apply oil, grease, etc., at the position shown in the illustration.



17. INSTALL LOWER STEERING COLUMN COVER

18. ALIGN FRONT WHEELS FACING STRAIGHT AHEAD

19. INSPECT AND ADJUST SPIRAL CABLE WITH SENSOR SUB-ASSEMBLY



Click here [INFO](#)

20. INSTALL STEERING WHEEL ASSEMBLY

Click here [INFO](#)

21. UPDATE ECU SECURITY KEY

Click here [INFO](#)

HINT:

After replacing the power steering ECU assembly, make sure to perform update ECU security key.

22. ECU CONFIGURATION

Click here [INFO](#)

HINT:

After replacing the power steering ECU assembly, make sure to perform ECU configuration.

23. PERFORM POWER STEERING ECU INITIAL SETTING (TORQUE SENSOR ZERO POINT CALIBRATION AND ASSIST MAP WRITING)

Click here [INFO](#)

24. PERFORM END POSITION INITIAL SETTING

Click here [INFO](#)

