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Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [03/2023 -]
Title: STEERING COLUMN: STEERING COLUMN ASSEMBLY: REMOVAL; 2023 - 2024 MY Prius Prius Prime [03/2023 -]		

REMOVAL

CAUTION / NOTICE / HINT

The necessary procedures (adjustment, calibration, initialization or registration) that must be performed after parts are removed and installed, or replaced during steering column assembly removal/installation are shown below.

CAUTION / NOTICE / HINT

Necessary Procedure After Parts Removed/Installed/Replaced

REPLACEMENT PART OR PROCEDURE	NECESSARY PROCEDURES	EFFECT/INOPERATIVE FUNCTION WHEN NECESSARY PROCEDURES ARE NOT PERFORMED	LINK
Power steering ECU assembly	Update ECU security key	Vehicle Control History (RoB) are stored	INFO
	ECU configuration	<ul style="list-style-type: none"> Vehicle Control History (RoB) are stored EPS warning light illuminates 	INFO
	Perform power steering ECU initial setting (torque sensor zero point calibration and assist map writing)	<ul style="list-style-type: none"> Vehicle Control History (RoB) are stored EPS warning light illuminates 	INFO
	End position initial setting	-	INFO
Electric power steering column sub-assembly	Perform power steering ECU initial setting (torque sensor zero point calibration and assist map writing)	<ul style="list-style-type: none"> Vehicle Control History (RoB) are stored EPS warning light illuminates 	INFO
	End position initial setting	-	INFO
No. 2 steering intermediate shaft assembly*1	End position initial setting	-	INFO
*1: If matchmarks were not placed when removing parts related to steering operation, perform end position initial setting.			

CAUTION / NOTICE / HINT

HINT:

When the cable is disconnected / reconnected to the auxiliary battery terminal, systems temporarily stop operating. However, each system has a function that completes learning the first time the system is used.

Learning completes when vehicle is driven

EFFECT/INOPERATIVE FUNCTION WHEN NECESSARY PROCEDURE NOT PERFORMED	NECESSARY PROCEDURE	LINK
Front Camera System	Drive the vehicle straight ahead at 35 km/h (22 mph) or more for 5 seconds or more.	INFO

Learning completes when vehicle is operated normally

EFFECT/INOPERATIVE FUNCTION WHEN NECESSARY PROCEDURE NOT PERFORMED	NECESSARY PROCEDURE	LINK
Power Door Lock Control System*1 <ul style="list-style-type: none"> Back door opener 	Perform door unlock operation with door control switch or electrical key transmitter sub-assembly switch.	INFO
Power Back Door System*2	Reset back door close position	INFO
Air Conditioning System	<p>for HEV Model:</p> <p>After the ignition switch is turned to ON, the servo motor standard position is recognized.</p> <p>for PHEV Model:</p> <p>After the ignition switch is turned to ON, the servo motor and cooler expansion valve standard position is recognized.</p>	-
*1: w/o Power Back Door System		
*2: w/ Power Back Door System		

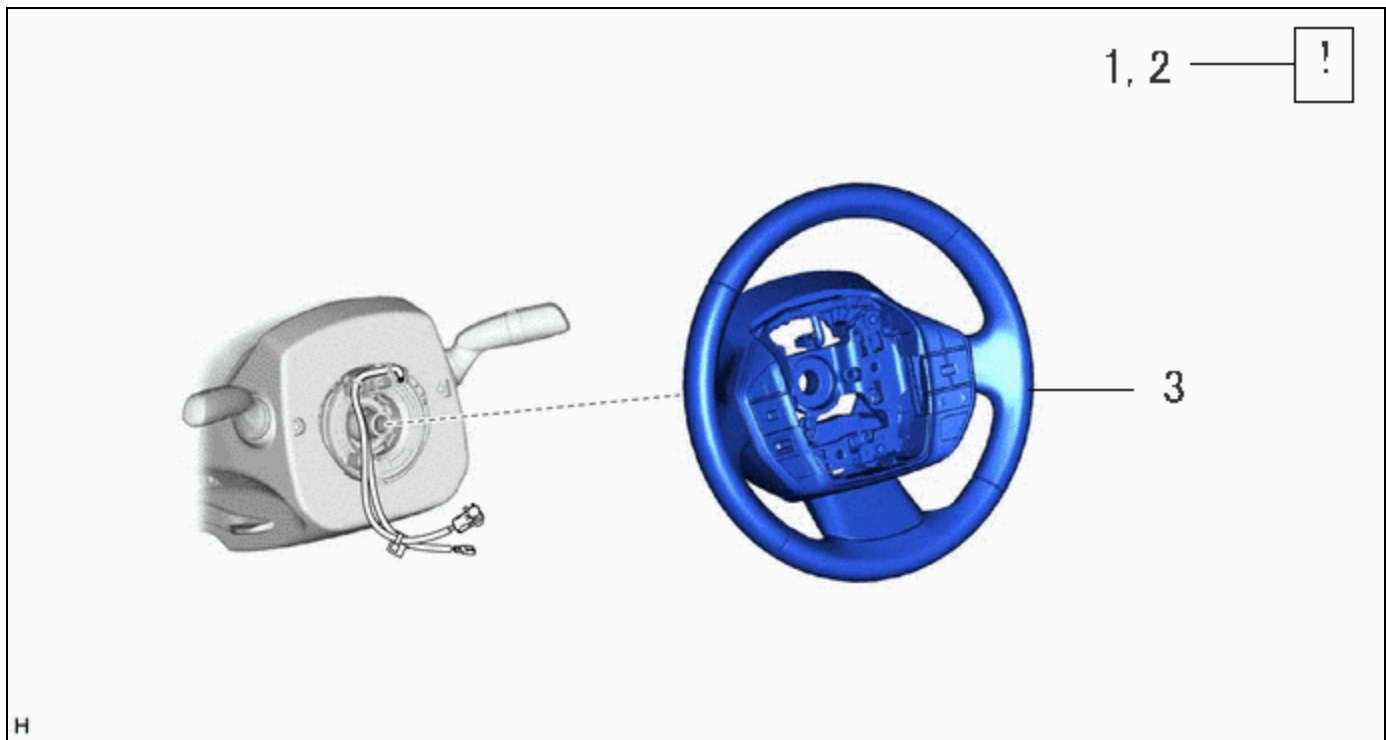
CAUTION / NOTICE / HINT




HINT:

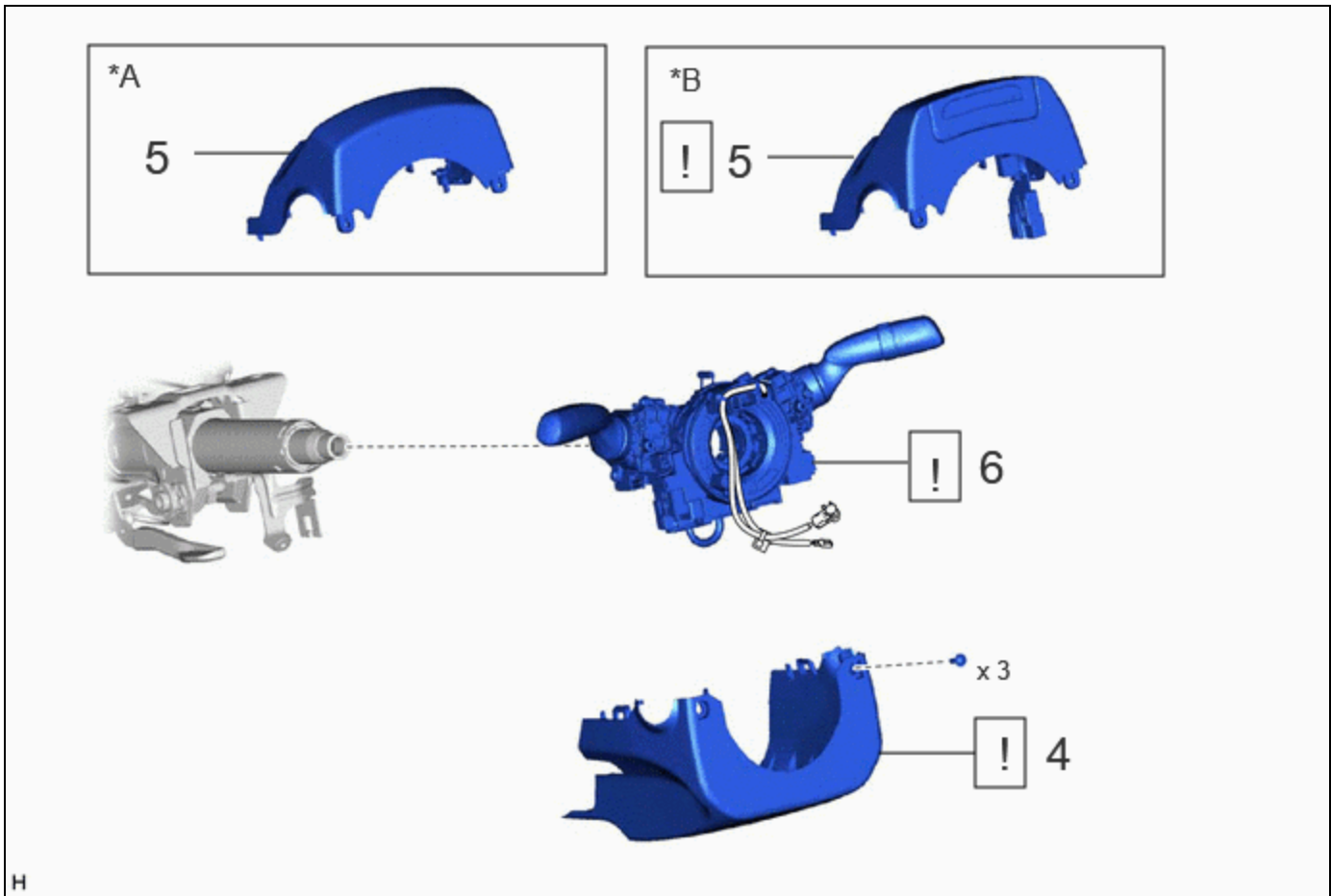
- Release the tilt and telescopic lever and fully extend and lower the steering column assembly.
- Lock the tilt and telescopic lever.

CAUTION / NOTICE / HINT

COMPONENTS (REMOVAL)



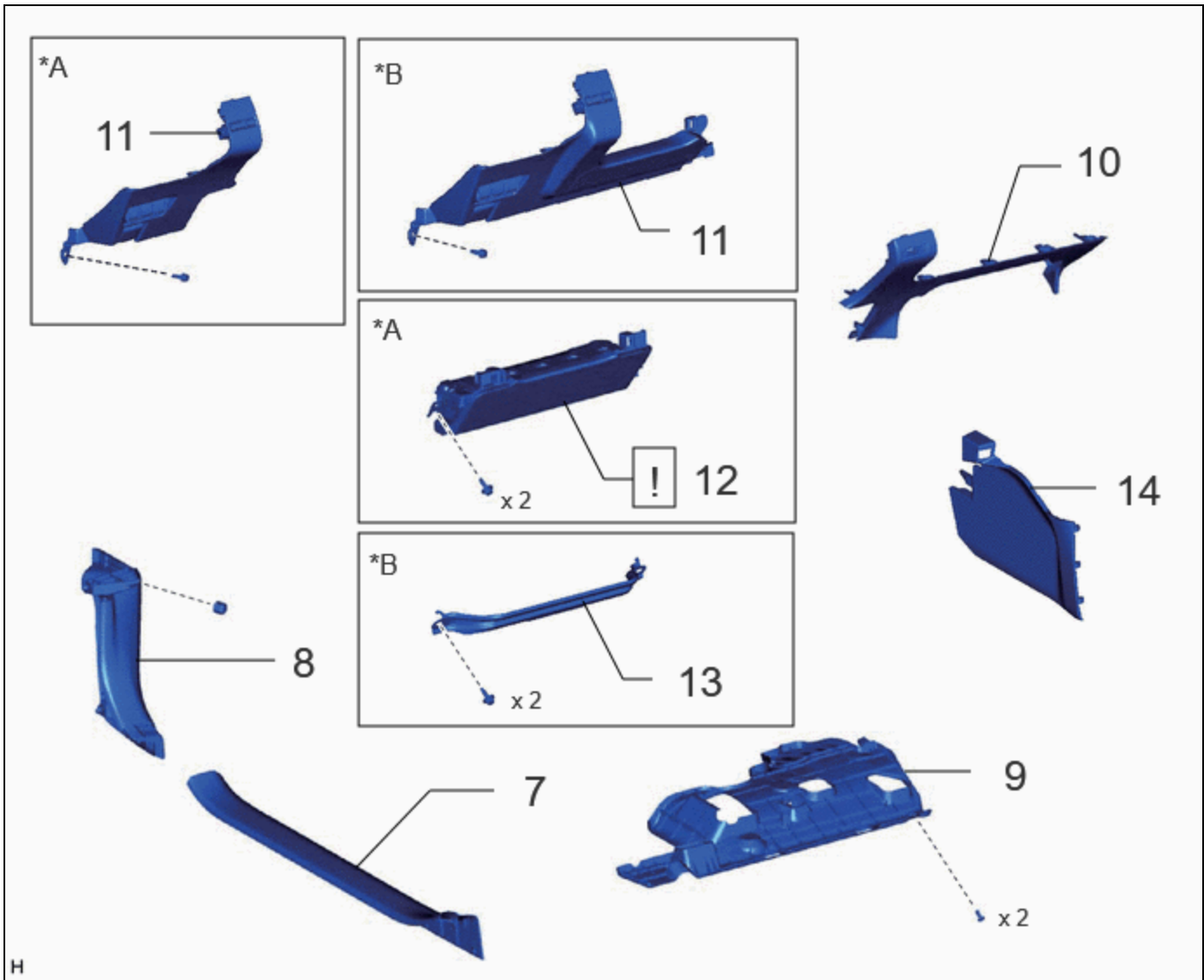
PROCEDURE		PART NAME CODE			
1	PRECAUTION	-	INFO	-	-
2	ALIGN FRONT WHEELS FACING STRAIGHT AHEAD	-	INFO	-	-
3	STEERING WHEEL ASSEMBLY	45100	-	-	-






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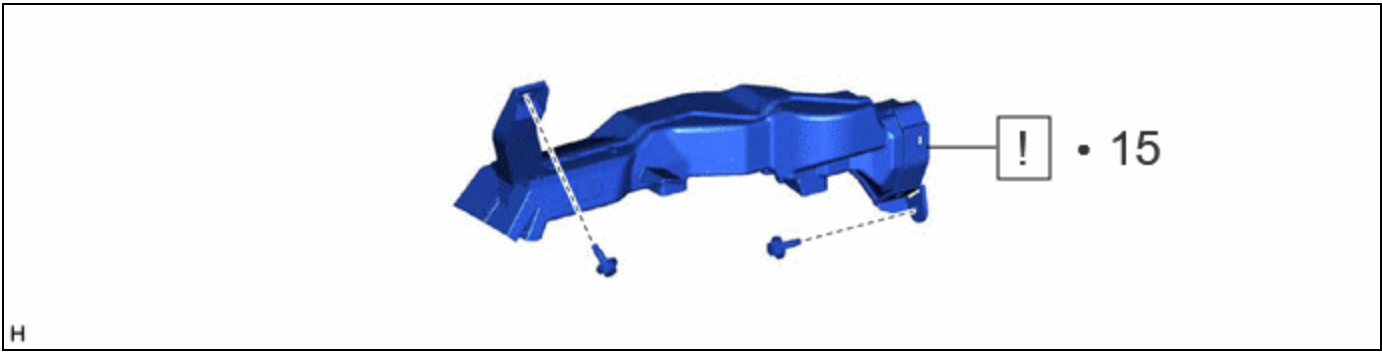
PROCEDURE		PART NAME CODE			
4	LOWER STEERING COLUMN COVER	45287	INFO	-	-
5	UPPER STEERING COLUMN COVER	45286B	INFO	-	-
6	TURN SIGNAL SWITCH ASSEMBLY WITH SPIRAL CABLE SUB-ASSEMBLY	-	INFO	-	-

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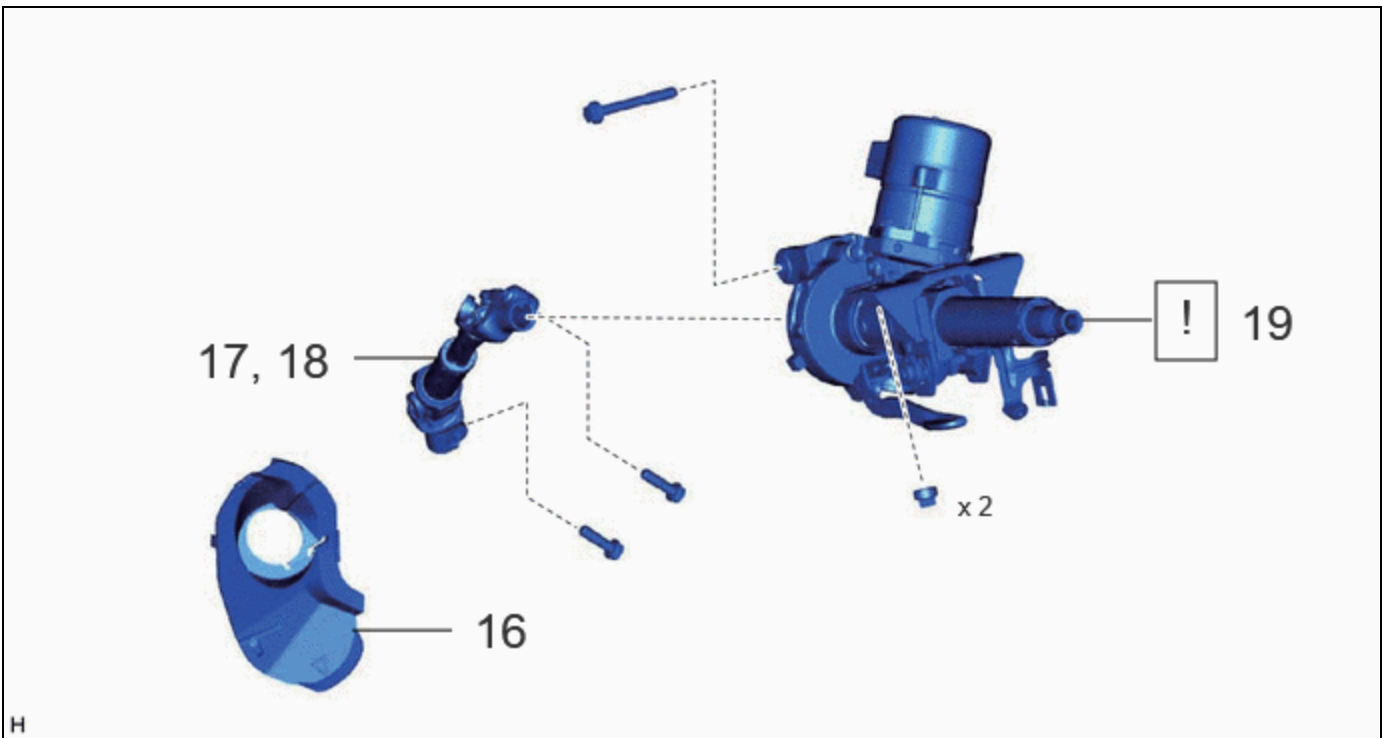
PROCEDURE		PART NAME CODE			
7	FRONT DOOR SCUFF PLATE LH	67914	-	-	-
8	COWL SIDE TRIM BOARD LH	62112	-	-	-
9	NO. 1 INSTRUMENT PANEL UNDER COVER SUB-ASSEMBLY	55606	-	-	-
10	LOWER CENTER INSTRUMENT PANEL FINISH PANEL	55434B	-	-	-
11	LOWER INSTRUMENT PANEL FINISH PANEL ASSEMBLY	55480D	-	-	-
12	LOWER NO.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

*A	w/ Knee Airbag	*B	w/o Knee Airbag
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PROCEDURE		PART NAME CODE			
15	NO. 1 AIR DUCT	87211		-	-

•	Non-reusable part	-	-
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PROCEDURE		PART NAME CODE			
16	COLUMN HOLE COVER SILENCER SHEET	45259A	-	-	-
17	SEPARATE NO. 2 STEERING INTERMEDIATE SHAFT ASSEMBLY	45260	-	-	-
18	REMOVE NO. 2 STEERING INTERMEDIATE SHAFT ASSEMBLY	45260	-	-	-

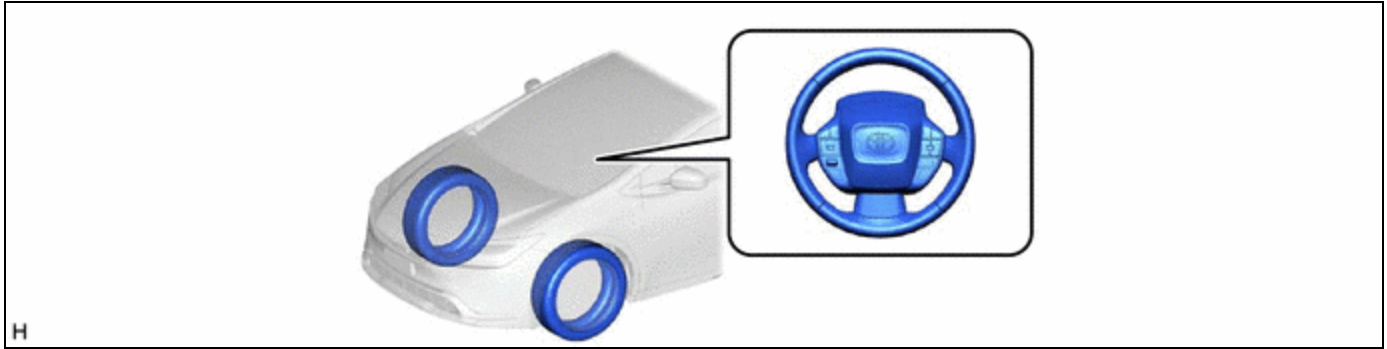
	PROCEDURE	PART NAME CODE			
19	STEERING COLUMN ASSEMBLY	-	INFO	-	-

PROCEDURE

1. PRECAUTION

	Click here INFO
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2. ALIGN FRONT WHEELS FACING STRAIGHT AHEAD

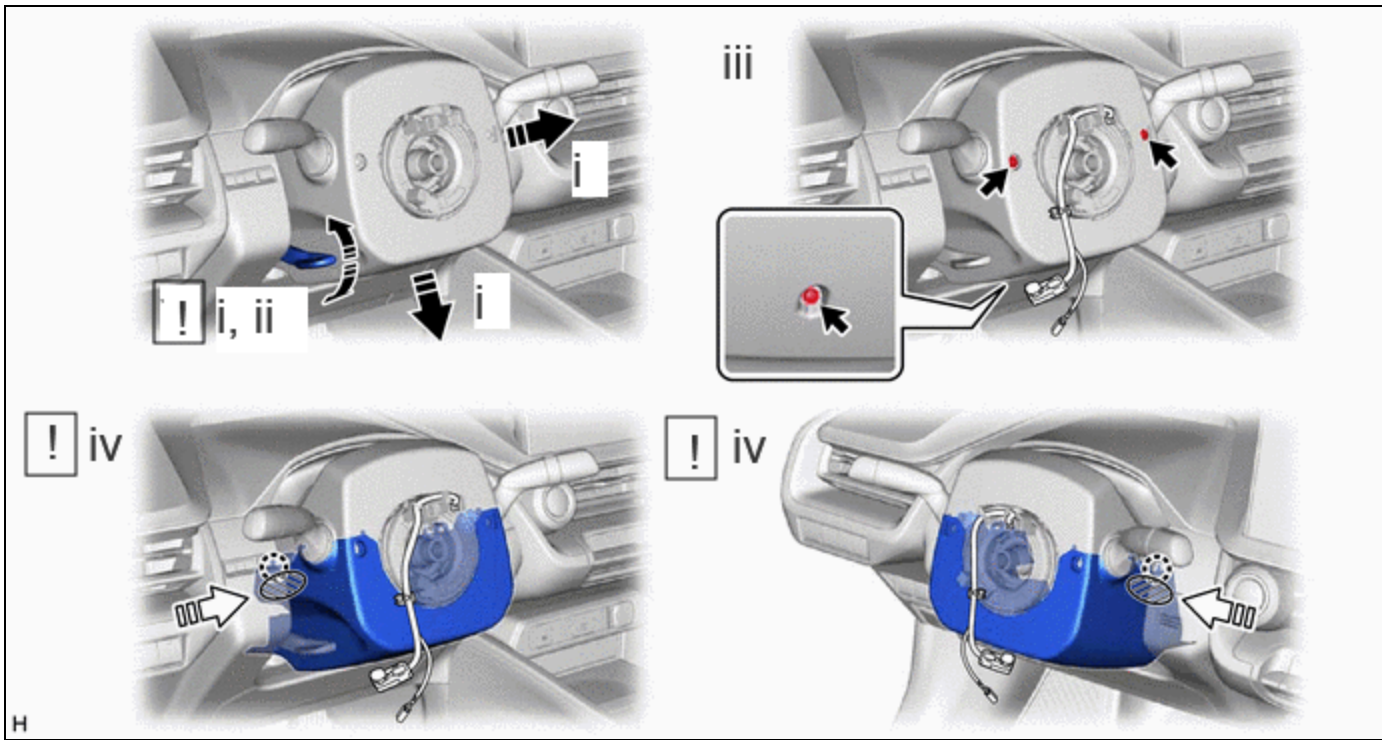


3. REMOVE STEERING WHEEL ASSEMBLY

Click here [INFO](#)

4. REMOVE LOWER STEERING COLUMN COVER

	<p>NOTICE:</p> <p>Removing the lower steering column cover in the incorrect order will cause the parts to break.</p>
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	Push Area		Operate in this direction
	Push in this direction	-	-

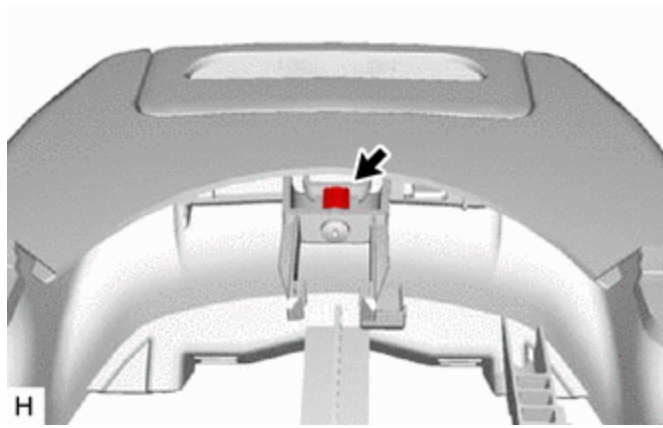
- (1) Release the tilt and telescopic lever and fully extend and lower the steering column assembly.
- (2) Lock the tilt and telescopic lever.
- (3) Remove the 3 screws.
- (4) While pressing the push area shown in the illustration to disengage the 2 claws, slightly lower the lower steering column cover.

5. REMOVE UPPER STEERING COLUMN COVER

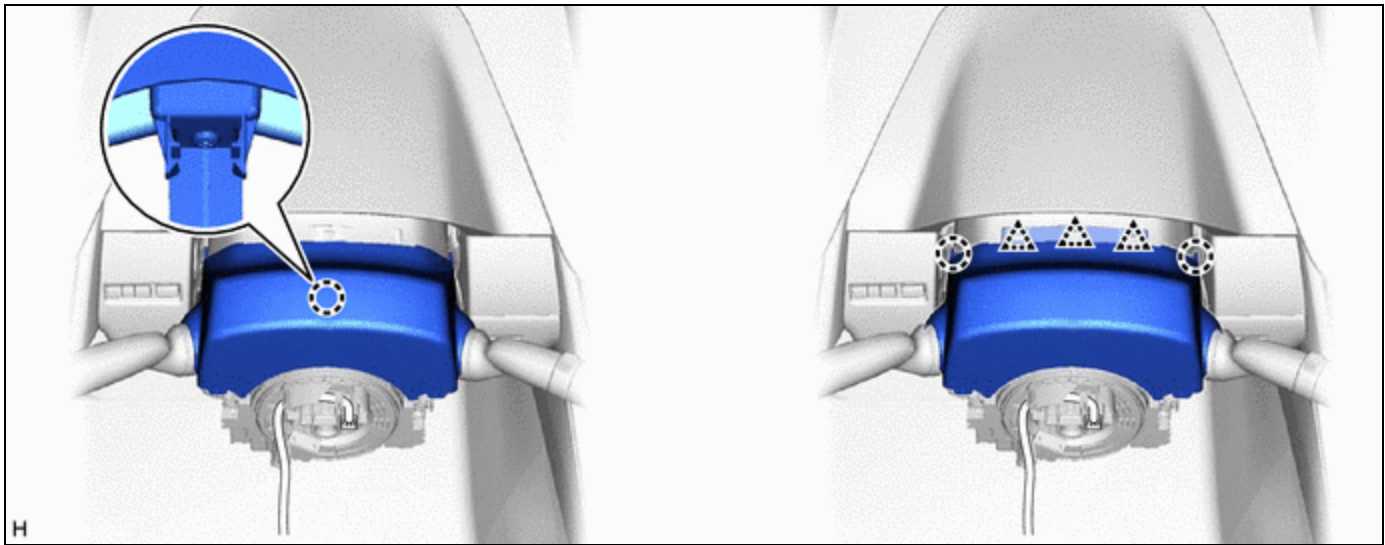
w/ Driver Monitor Camera:

NOTICE:

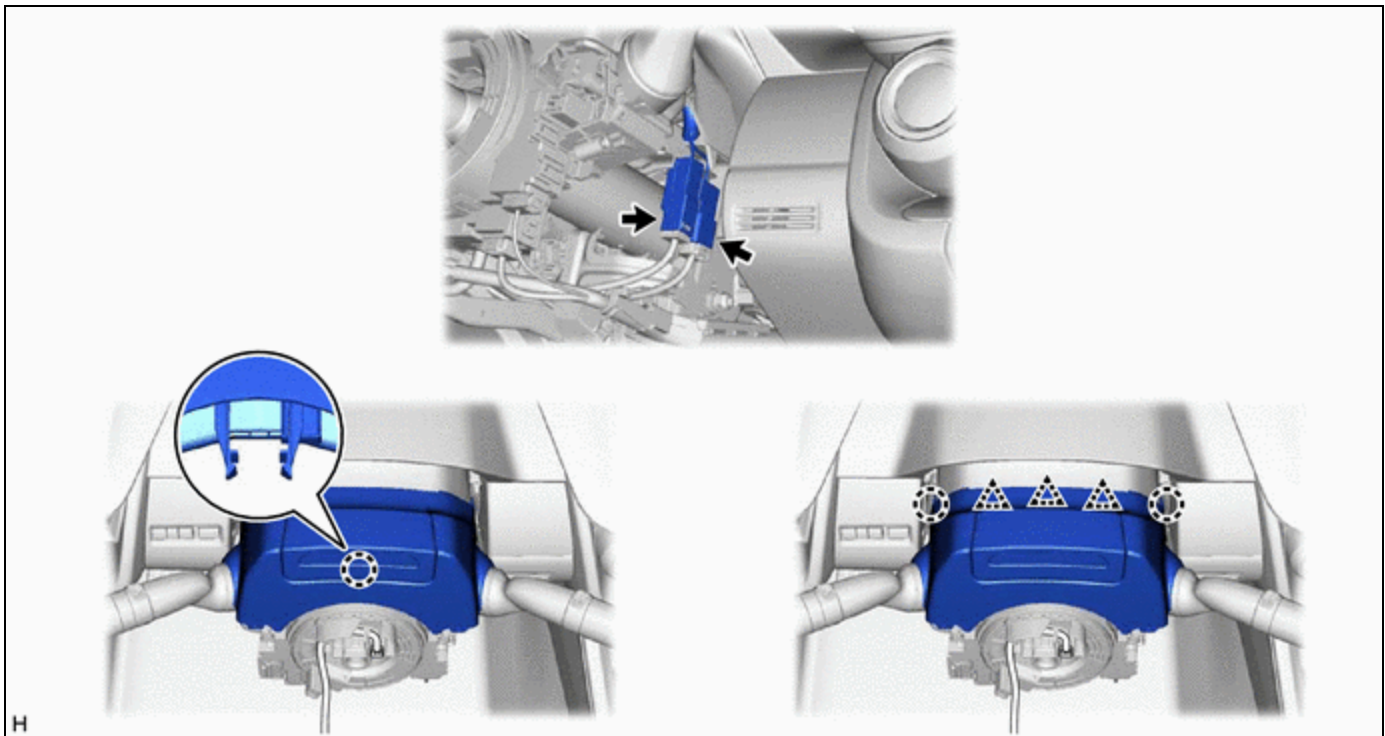
As there is a possibility of the upper steering column cover cracking, do not apply oil, grease, etc., at the position shown in the illustration.




(a) w/o Driver Monitor Camera:

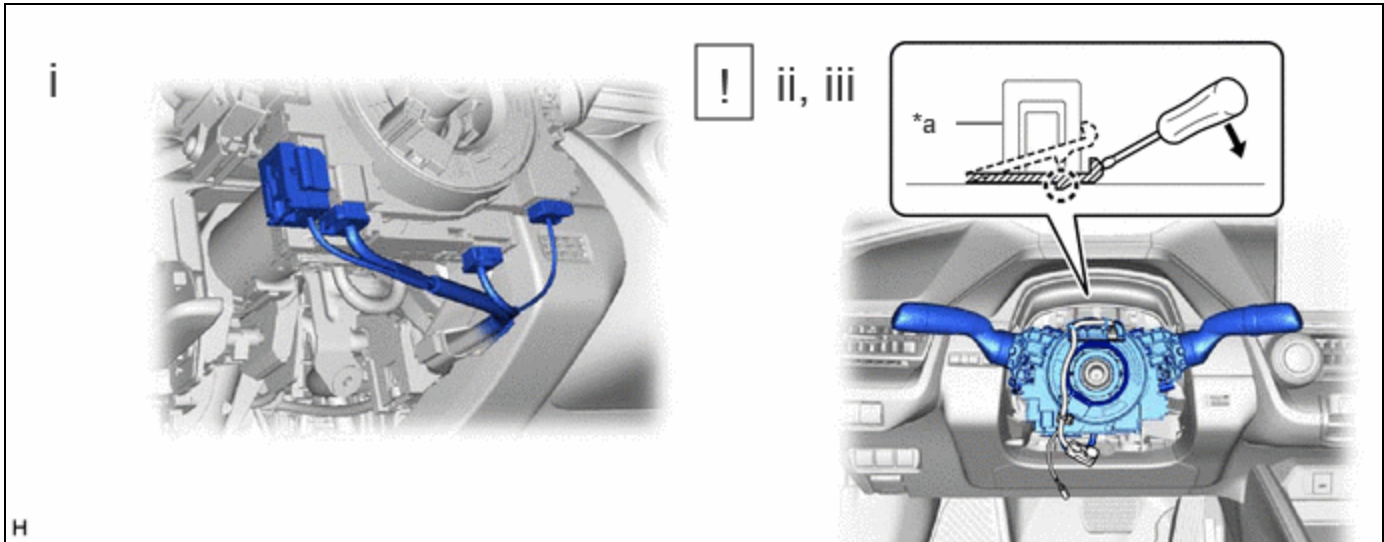


(b) w/ Driver Monitor Camera:



6. REMOVE TURN SIGNAL SWITCH ASSEMBLY WITH SPIRAL CABLE SUB-ASSEMBLY

	<p>NOTICE:</p> <ul style="list-style-type: none"> 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. <p>HINT:</p> <p>As the illustration shown is an example, the actual details may differ.</p>
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*a	Clamp	-	-
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- (1) Disconnect each connector from the turn signal switch assembly with spiral cable sub-assembly.
- (2) Using pliers, expand the clamp.
- (3) While holding the clamp expanded, raise the claw using a screwdriver to disengage it, and then remove the turn signal switch assembly with spiral cable sub-assembly from the steering column assembly.

7. REMOVE FRONT DOOR SCUFF PLATE LH

Click here [INFO](#)

8. REMOVE COWL SIDE TRIM BOARD LH

Click here [INFO](#)

9. REMOVE NO. 1 INSTRUMENT PANEL UNDER COVER SUB-ASSEMBLY

Click here [INFO](#)

10. REMOVE LOWER CENTER INSTRUMENT PANEL FINISH PANEL

Click here [INFO](#)

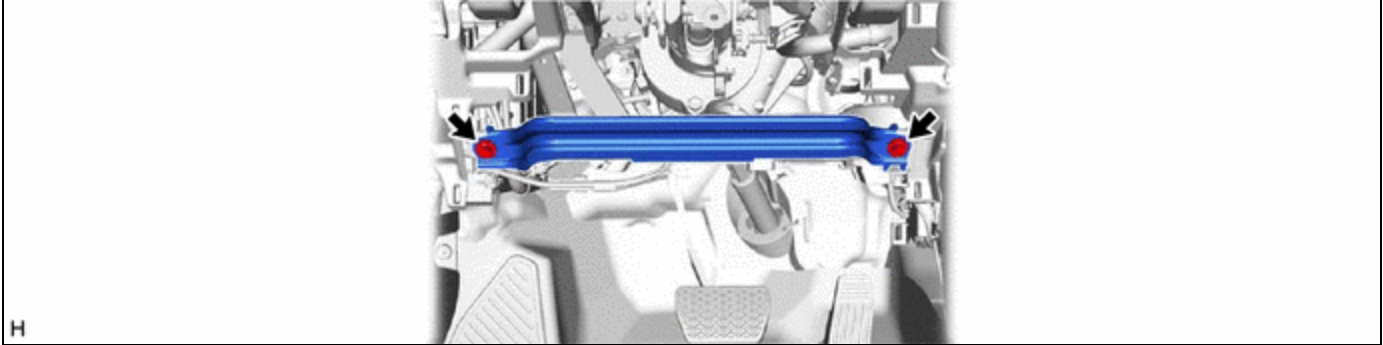
11. REMOVE LOWER INSTRUMENT PANEL FINISH PANEL ASSEMBLY

Click here [INFO](#)

12. REMOVE LOWER NO. 1 INSTRUMENT PANEL AIRBAG ASSEMBLY (w/ Knee Airbag)

	Click here INFO
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13. REMOVE NO. 2 KNEE PROTECTOR BRACKET (w/o Knee Airbag)

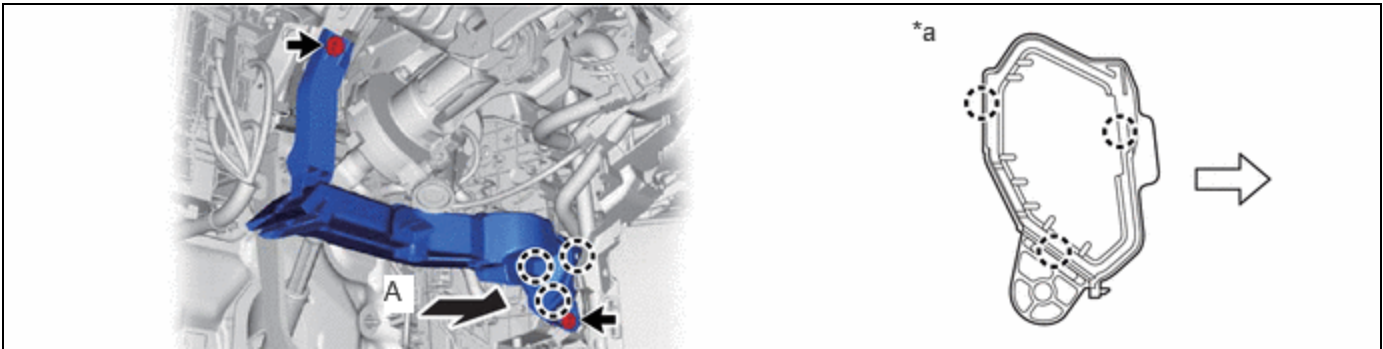



14. REMOVE FRONT NO. 1 CONSOLE BOX INSERT

Click here [INFO](#)

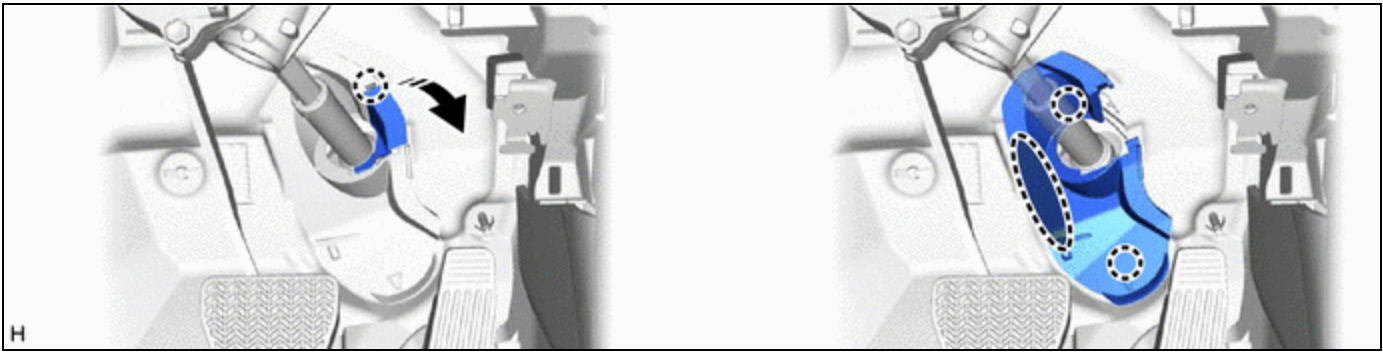
15. REMOVE NO. 1 AIR DUCT



	<p>NOTICE:</p> <p>Be careful not to deform or damage the lower heater case of the air conditioner unit assembly when removing the No. 1 air duct.</p>
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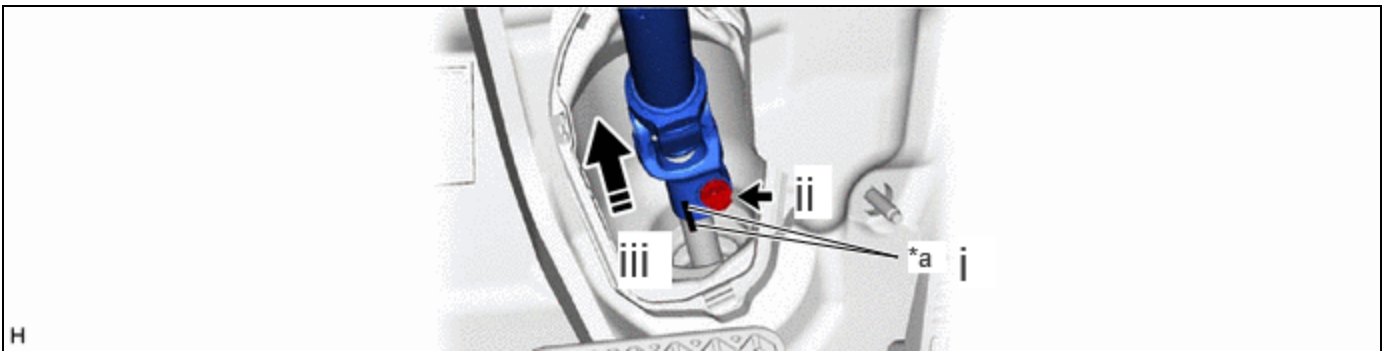
*a	View A	-	-
	Front	-	-


16. REMOVE COLUMN HOLE COVER SILENCER SHEET



	Open in this direction		Place Hand Here
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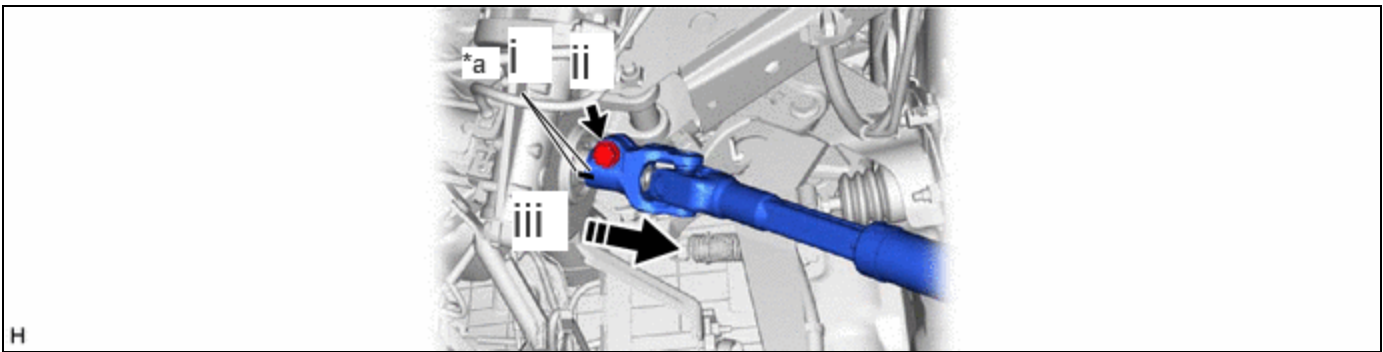
17. SEPARATE NO. 2 STEERING INTERMEDIATE SHAFT ASSEMBLY




*a	Matchmark	-	-
	Separate in this direction	-	-

- (1) Put matchmarks on the No. 2 steering intermediate shaft assembly and steering gear assembly.
- (2) Remove the bolt.
- (3) Separate the No. 2 steering intermediate shaft assembly from the steering gear assembly.

18. REMOVE NO. 2 STEERING INTERMEDIATE SHAFT ASSEMBLY




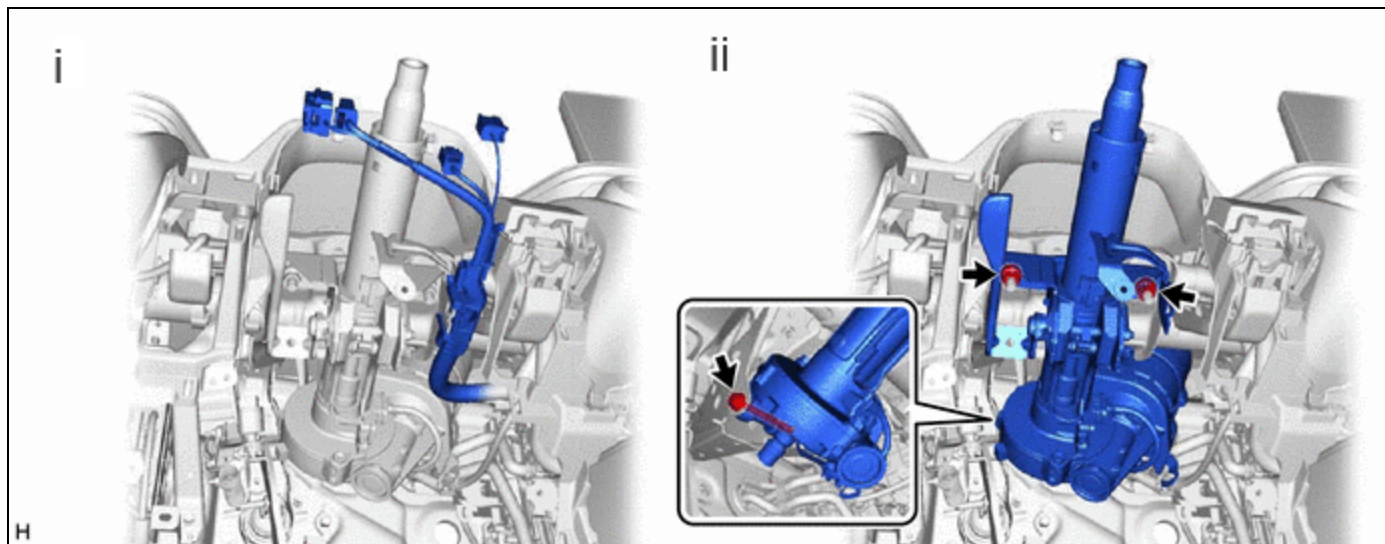
*a	Matchmark	-	-
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	Remove in this direction	-	-
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- (1) Put matchmarks on the No. 2 steering intermediate shaft assembly and steering column assembly.
- (2) Remove the bolt.
- (3) Remove the No. 2 steering intermediate shaft assembly from the steering column assembly.

19. REMOVE STEERING COLUMN ASSEMBLY

	<p>HINT: As the illustration shown is an example, the actual details may differ.</p>
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- (1) Disconnect each connector and disengage each wire harness clamp from the steering column assembly.
- (2) Remove the bolt, 2 nuts and steering column assembly.

