

Last Modified: 12-04-2024	6.11:8.1.0	Doc ID: RM100000002BICL
Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [03/2023 -]
Title: BRAKE SYSTEM (OTHER): BRAKE PEDAL: 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 brake pedal removal/installation are shown below.

Necessary Procedures After Parts Removed/Installed/Replaced

REPLACED PART OR PERFORMED PROCEDURE	NECESSARY PROCEDURE	EFFECT/INOPERATIVE FUNCTION WHEN NECESSARY PROCEDURE NOT PERFORMED	LINK
Removal/installation/replacement of brake pedal	Perform "Calibration"	<ul style="list-style-type: none"> DTCs are stored ABS warning light illuminates Brake system warning light (yellow indicator) illuminates Slip indicator light illuminates Electronically controlled brake system disabled or malfunctions 	INFO

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	for HEV Model: After the ignition switch is turned to ON, the servo motor standard position is recognized.	-
*1: w/o Power Back Door System		
*2: w/ Power Back Door System		

EFFECT/INOPERATIVE FUNCTION WHEN NECESSARY PROCEDURE NOT PERFORMED	NECESSARY PROCEDURE	LINK
	<p>for PHEV Model:</p> <p>After the ignition switch is turned to ON, the servo motor and expansion valve standard position is recognized.</p>	
<p>*1: w/o Power Back Door System</p> <p>*2: w/ Power Back Door System</p>		

CAUTION / NOTICE / HINT

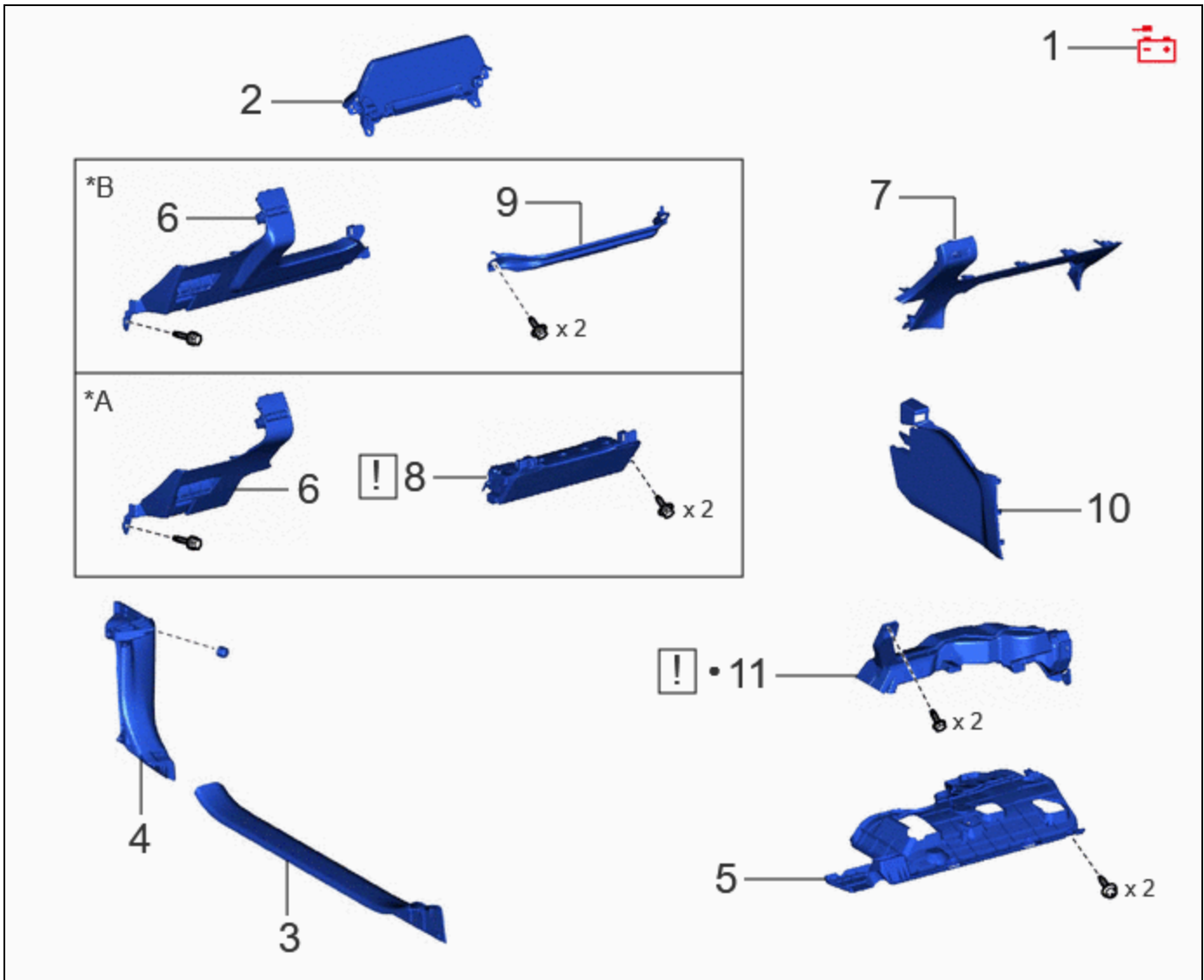
NOTICE:




- While the auxiliary battery is connected, even if the ignition switch is off, the brake control system activates when the brake pedal is depressed or any door courtesy switch turns on. Therefore, when servicing the brake system components, do not operate the brake pedal or open/close the doors while the auxiliary battery is connected.
- After the ignition switch is turned off, there may be a waiting time before disconnecting the negative (-) auxiliary battery terminal.




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CAUTION / NOTICE / HINT

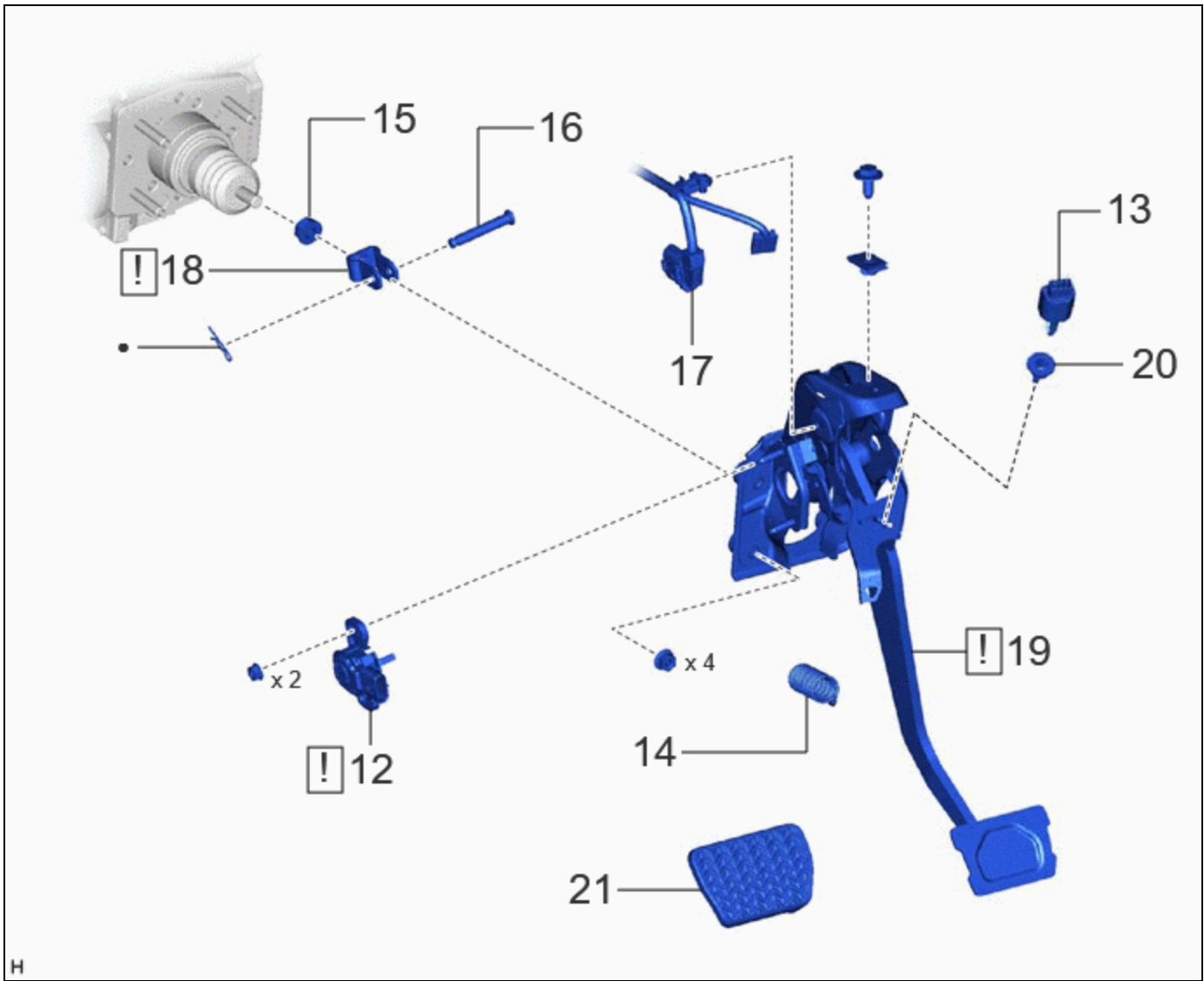
COMPONENTS (REMOVAL)









PROCEDURE		PART NAME CODE			
1	DISCONNECT CABLE FROM NEGATIVE AUXILIARY BATTERY TERMINAL	-	INFO	-	-
2	COMBINATION METER SUB-ASSEMBLY	-	-	-	-
3	FRONT DOOR SCUFF PLATE LH	67914	-	-	-
4	COWL SIDE TRIM BOARD LH	62112	-	-	-
5	NO. 1 INSTRUMENT PANEL UNDER COVER SUB-ASSEMBLY	55606	-	-	-
6	LOWER INSTRUMENT PANEL FINISH PANEL ASSEMBLY	55480D	-	-	-
7	LOWER CENTER INSTRUMENT PANEL FINISH PANEL	55434B	-	-	-
8	LOWER NO. 1 INSTRUMENT PANEL AIRBAG ASSEMBLY	73900	INFO	-	-
9	NO. 2 KNEE PROTECTOR BRACKET	55462C	-	-	-
10	FRONT NO. 1 CONSOLE BOX INSERT	58816D	-	-	-

PROCEDURE		PART NAME CODE			
11	NO. 1 AIR DUCT	87211	INFO	-	-

*A	w/ Knee Airbag	*B	w/o Knee Airbag
•	Non-reusable part	-	-




PROCEDURE		PART NAME CODE			
12	BRAKE PEDAL STROKE SENSOR ASSEMBLY	89510D	INFO	-	-
13	STOP LIGHT SWITCH ASSEMBLY	84340	-	-	-
14	BRAKE PEDAL RETURN SPRING	47101A	-	-	-

PROCEDURE		PART NAME CODE			
15	LOOSEN MASTER CYLINDER PUSH ROD NUT	47262	-	-	-
16	PUSH ROD PIN	47264A	-	-	-
17	ENGINE ROOM MAIN WIRE	82111	-	-	-
18	MASTER CYLINDER PUSH ROD CLEVIS	47264	INFO	-	-
19	BRAKE PEDAL SUPPORT ASSEMBLY	47110	INFO	-	-
20	STOP LIGHT SWITCH MOUNTING ADJUSTER	84345	-	-	-
21	BRAKE PEDAL PAD	47121	-	-	-

•	Non-reusable part	-	-
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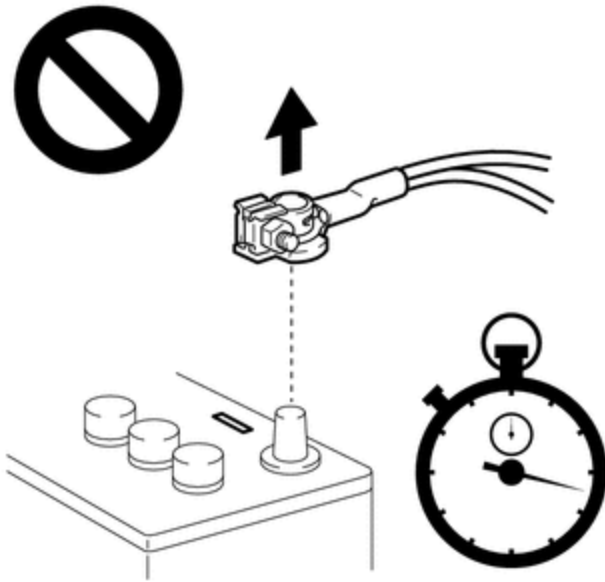
PROCEDURE

1. DISCONNECT CABLE FROM NEGATIVE AUXILIARY BATTERY TERMINAL



CAUTION:
w/ Knee Airbag:

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



for M20A-FXS: [Click here](#) [INFO](#)

for 2ZR-FXE: [Click here](#) [INFO](#)

2. REMOVE COMBINATION METER SUB-ASSEMBLY

[Click here](#) [INFO](#)

3. REMOVE FRONT DOOR SCUFF PLATE LH

Click here [INFO](#)

4. REMOVE COWL SIDE TRIM BOARD LH

Click here [INFO](#)

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

Click here [INFO](#)


6. REMOVE LOWER INSTRUMENT PANEL FINISH PANEL ASSEMBLY

Click here [INFO](#)

7. REMOVE LOWER CENTER INSTRUMENT PANEL FINISH PANEL

Click here [INFO](#)

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

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

Click here [INFO](#)


10. REMOVE FRONT NO. 1 CONSOLE BOX INSERT

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11. REMOVE NO. 1 AIR DUCT

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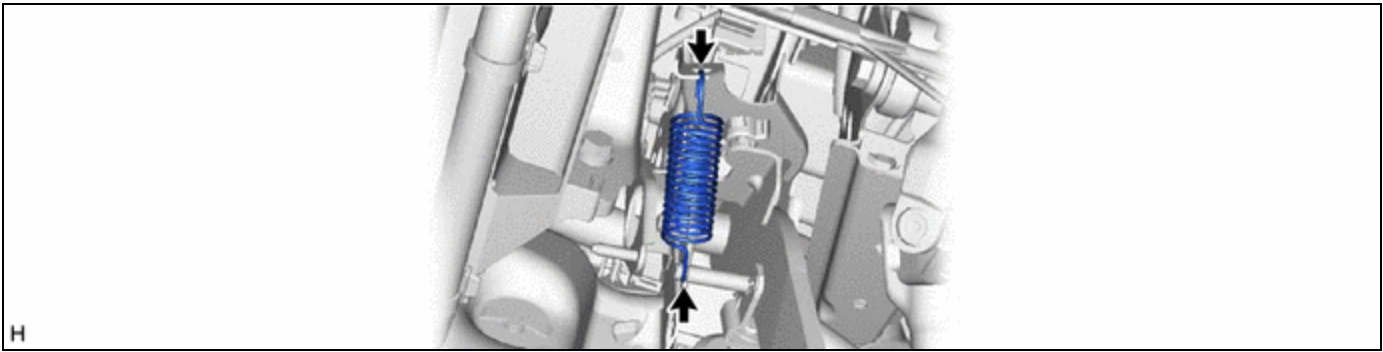
12. REMOVE BRAKE PEDAL STROKE SENSOR ASSEMBLY

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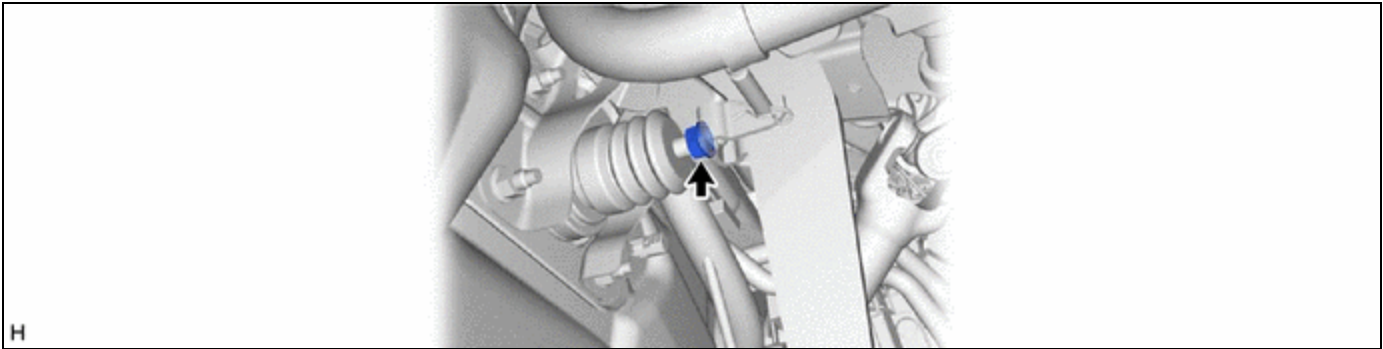
13. REMOVE STOP LIGHT SWITCH ASSEMBLY

Click here [INFO](#)

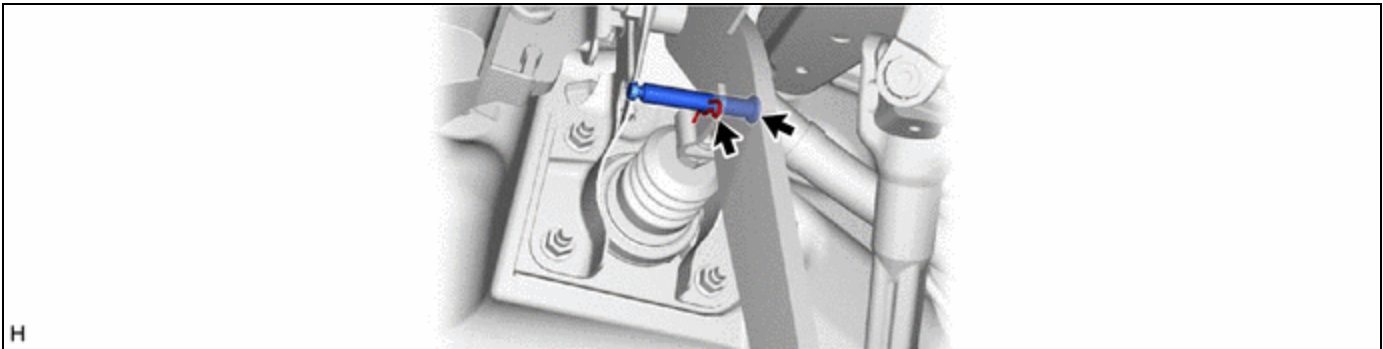
14. REMOVE BRAKE PEDAL RETURN SPRING



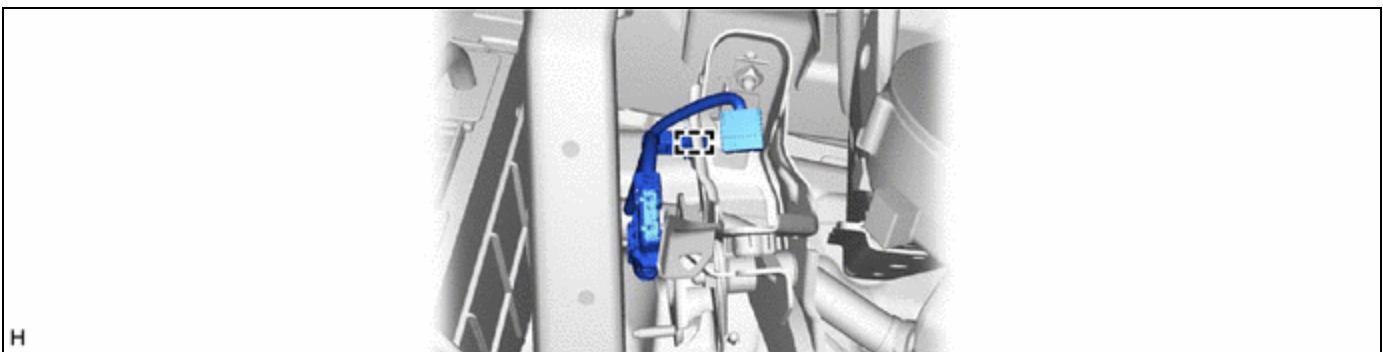
15. LOOSEN MASTER CYLINDER PUSH ROD NUT



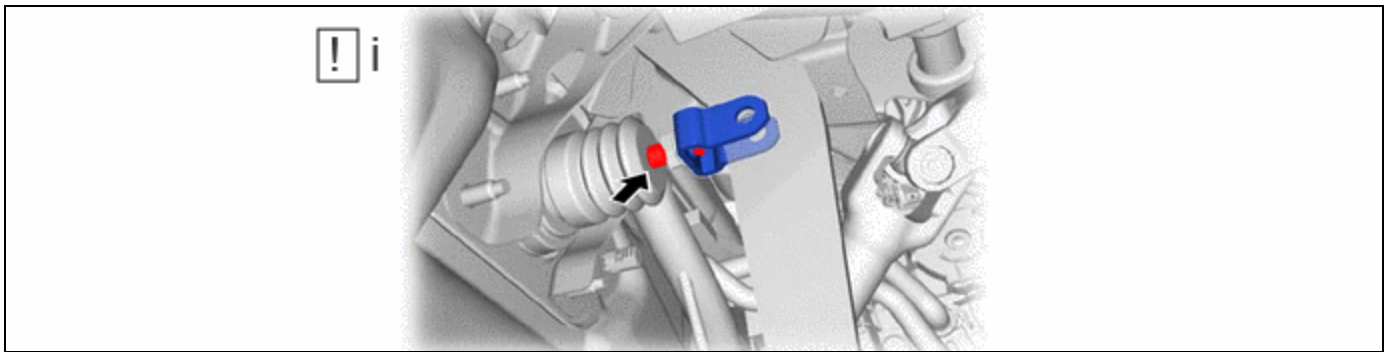
16. REMOVE PUSH ROD PIN



17. SEPARATE ENGINE ROOM MAIN WIRE

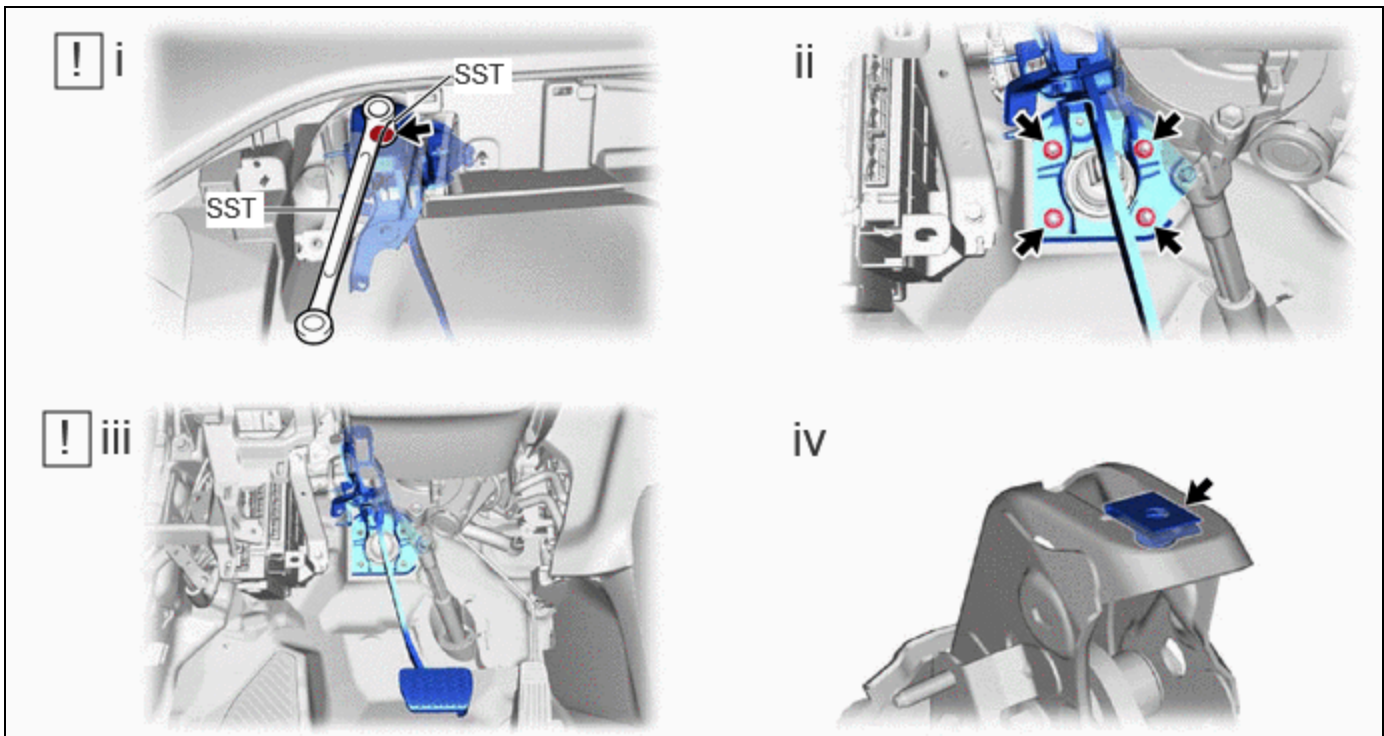


18. REMOVE MASTER CYLINDER PUSH ROD CLEVIS



(1) Turn the master cylinder push rod to remove the master cylinder push rod clevis.

19. REMOVE BRAKE PEDAL SUPPORT ASSEMBLY



(1) Using SST, remove the bolt.

SST: 09729-00120

SST: 09926-24010

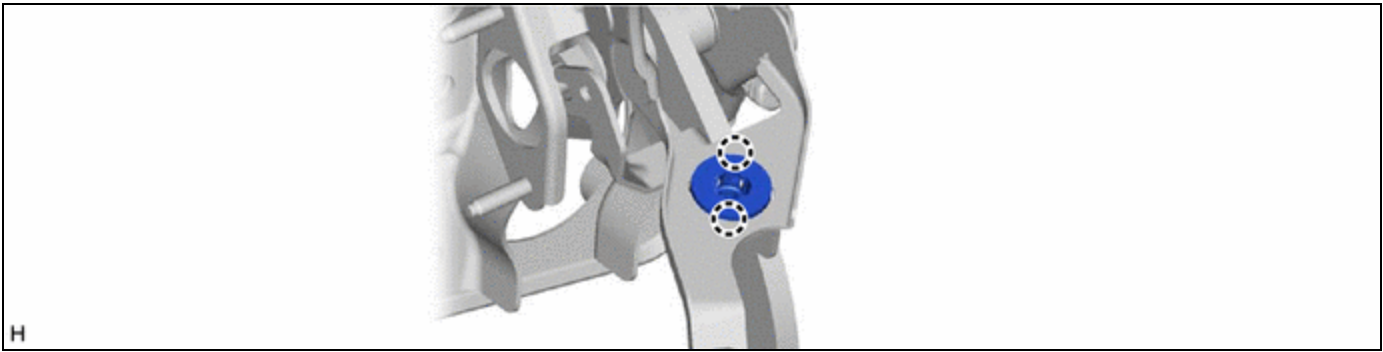
09926-02120

(2) Remove the 4 nuts.

(3) Remove the brake pedal support assembly while avoiding the stud bolts of the brake booster with master cylinder assembly and brake booster support base.

(4) Remove the nut from the brake pedal support assembly.

20. REMOVE STOP LIGHT SWITCH MOUNTING ADJUSTER



21. REMOVE BRAKE PEDAL PAD

