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Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [03/2023 -]
Title: BRAKE SYSTEM (OTHER): BRAKE BOOSTER: 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 booster with master cylinder assembly 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 booster with master cylinder assembly	Update ECU security key (Only necessary after replacement)	Vehicle Control History (RoB) are stored	INFO
	<ul style="list-style-type: none"> Bleed air 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 	for Bleeding: INFO for Calibration: 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

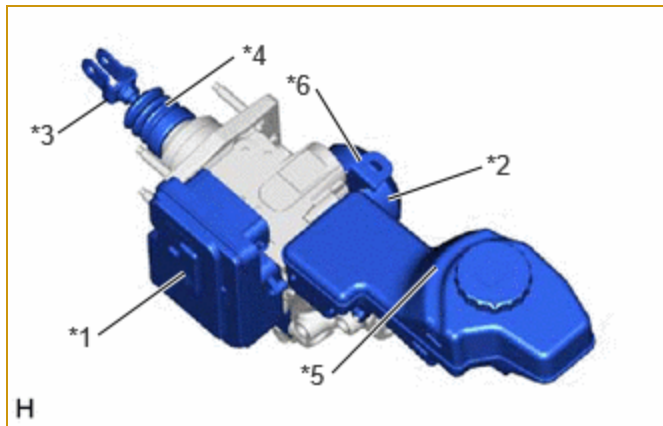
Learning completes when vehicle is operated normally

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

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.
- Do not carry the brake booster with master cylinder assembly by the parts shown in the illustration.



*1	No. 1 Skid Control ECU
*2	Motor
*3	Master Cylinder Push Rod Clevis
*4	Boot
*5	Reservoir
*6	Bracket

- After the ignition switch is turned off, there may be a waiting time before disconnecting the negative (-) auxiliary battery terminal.

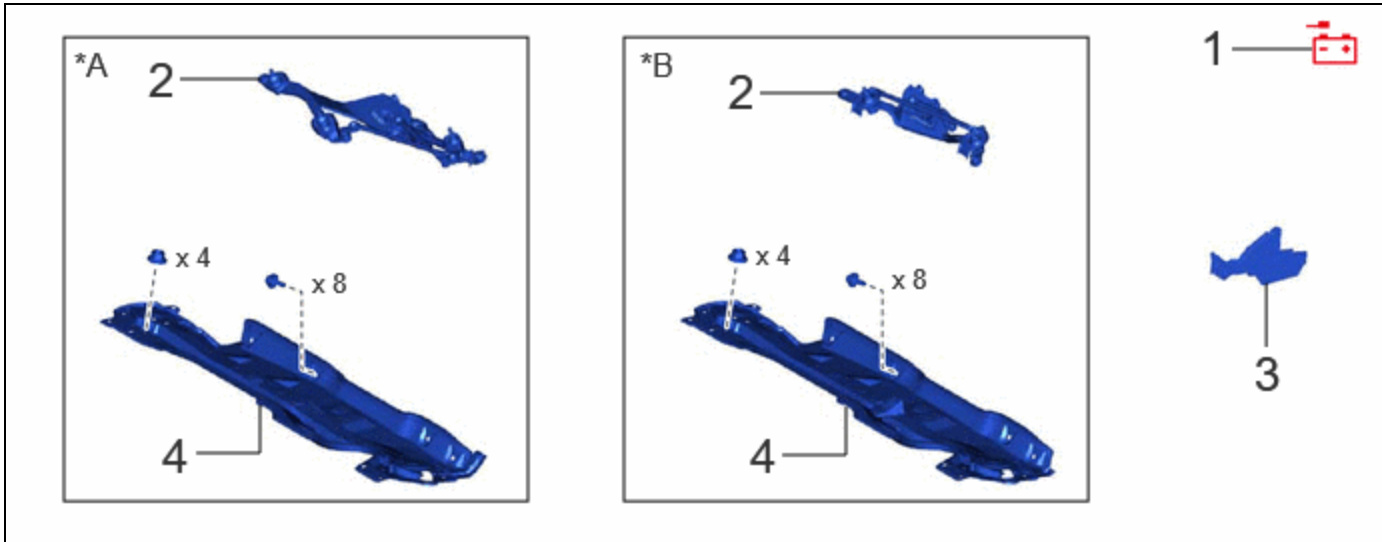
Click here [INFO](#)

- When disconnecting a wire harness of any component connected to the supply power of the integrated capacitor (integration control supply) or when removing the integrated capacitor (integration control supply),

make sure to wait 5 minutes or more after turning the ignition switch off for self-diagnosis to complete and the voltage of the integrated capacitor (integration control supply) to discharge.

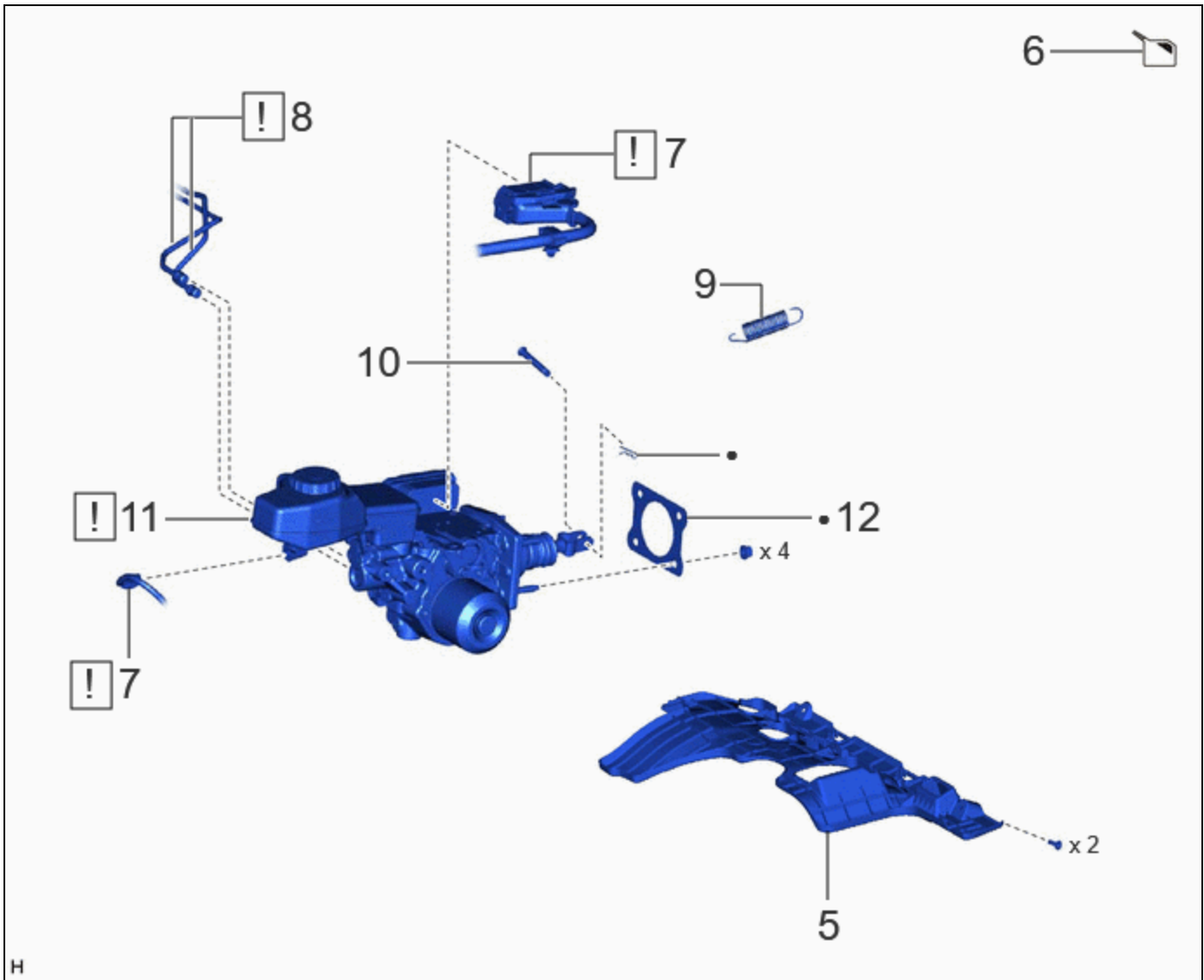
CAUTION / NOTICE / HINT

COMPONENTS (REMOVAL)



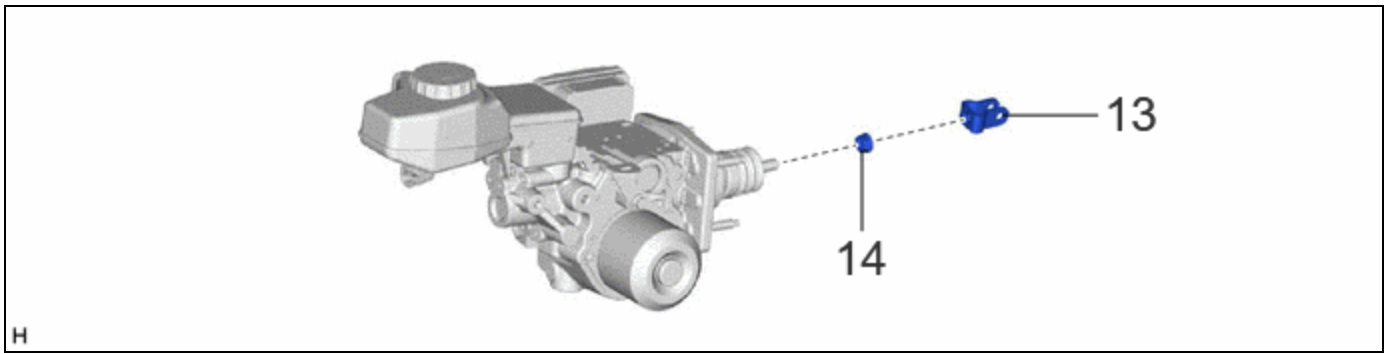
PROCEDURE		PART NAME CODE			
1	DISCONNECT CABLE FROM NEGATIVE AUXILIARY BATTERY TERMINAL	-	-	-	-
2	WINDSHIELD WIPER MOTOR AND LINK ASSEMBLY	-	-	-	-
3	WATER GUARD PLATE	55734D	-	-	-
4	OUTER COWL TOP PANEL SUB-ASSEMBLY	55701J	-	-	-

*A	for M20A-FXS	*B	for 2ZR-FXE
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PROCEDURE		PART NAME CODE			
5	NO. 1 INSTRUMENT PANEL UNDER COVER SUB-ASSEMBLY	55606	-	-	-
6	DRAIN BRAKE FLUID	-	-	INFO	-
7	ENGINE ROOM MAIN WIRE	82111	INFO	-	-
8	BRAKE LINE	-	INFO	-	-
9	BRAKE PEDAL RETURN SPRING	47101A	-	-	-
10	PUSH ROD PIN	47264A	-	-	-
11	BRAKE BOOSTER WITH MASTER CYLINDER ASSEMBLY	47210L	INFO	-	-
12	BRAKE MASTER CYLINDER GASKET	44785D	-	-	-

•	Non-reusable part	-	-
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PROCEDURE		PART NAME CODE			
13	MASTER CYLINDER PUSH ROD CLEVIS	47264	-	-	-
14	MASTER CYLINDER PUSH ROD NUT	47262	-	-	-

PROCEDURE

1. DISCONNECT CABLE FROM NEGATIVE AUXILIARY BATTERY TERMINAL

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

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

2. REMOVE WINDSHIELD WIPER MOTOR AND LINK ASSEMBLY

[Click here](#) INFO

3. REMOVE WATER GUARD PLATE

[Click here](#) INFO

4. REMOVE OUTER COWL TOP PANEL SUB-ASSEMBLY

[Click here](#) INFO

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

[Click here](#) INFO

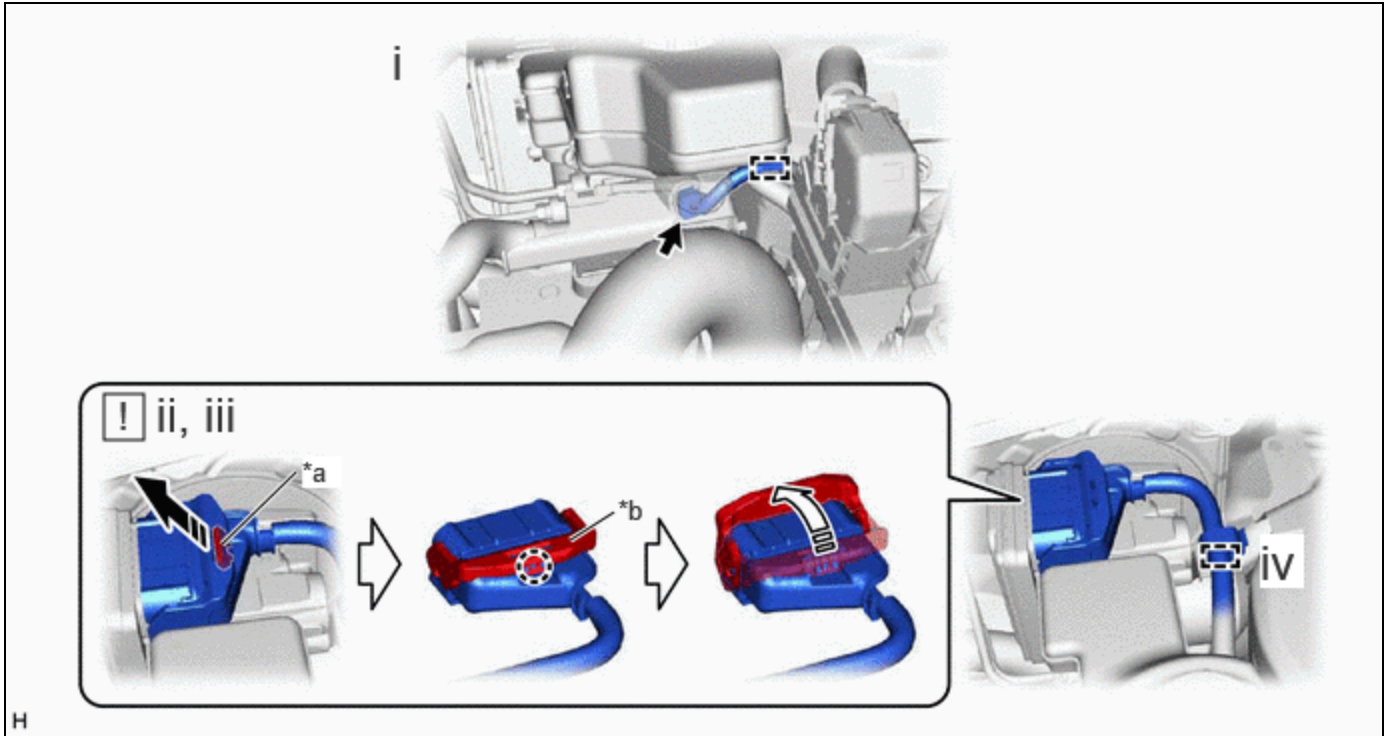
6. DRAIN BRAKE FLUID

	<p>NOTICE:</p> <p>If brake fluid leaks onto any painted surface, immediately wash it off.</p>
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7. SEPARATE ENGINE ROOM MAIN WIRE

	<p>NOTICE:</p> <p>When disconnecting a wire harness of any component connected to the supply power of the integrated capacitor (integration control supply) or when removing the integrated capacitor (integration control supply), make sure to wait 5 minutes or more after turning the ignition</p>
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switch off for self-diagnosis to complete and the voltage of the integrated capacitor (integration control supply) to discharge.



*a	Retainer	*b	Lock Lever
	Draw the retainer in this Direction		Raise the lock lever in this Direction

- (1) Disconnect the connector and disengage the clamp.
- (2) Draw the retainer.
- (3) Disengage the claw and raise the lock lever to disconnect the connector as shown in the illustration.

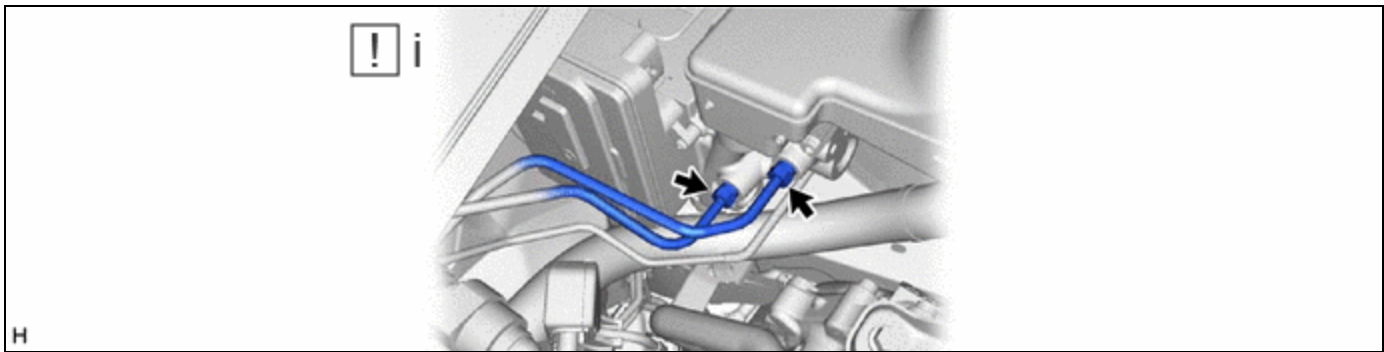
NOTICE:

Be careful not to allow any brake fluid to enter the connector.

- (4) Disengage the clamp to separate the engine room main wire.

8. DISCONNECT BRAKE LINE

	<p>NOTICE:</p> <ul style="list-style-type: none"> • Do not kink or damage the brake lines. • Do not allow any foreign matter such as dirt or dust to enter the brake lines from the connecting parts.
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(1) Using a union nut wrench, disconnect the 2 brake lines from the brake booster with master cylinder assembly.

9. REMOVE BRAKE PEDAL RETURN SPRING

Click here [INFO](#)

10. REMOVE PUSH ROD PIN

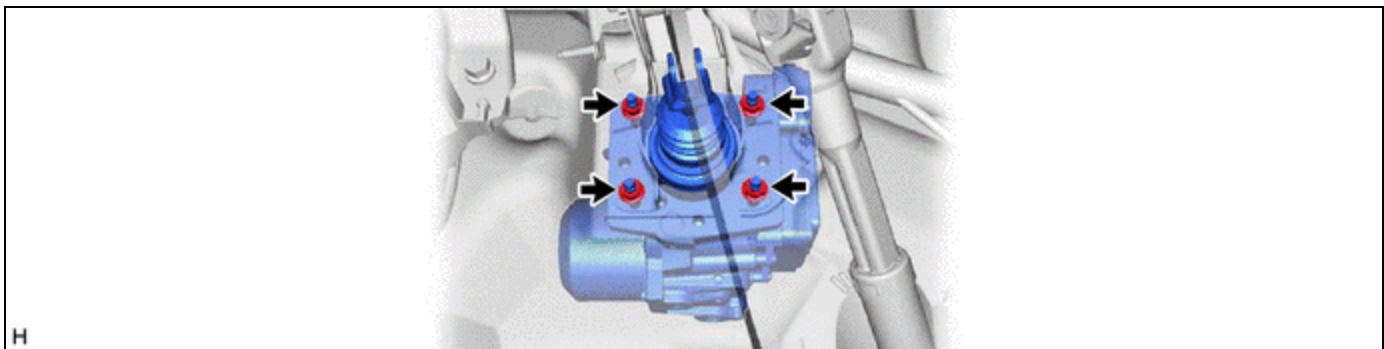
Click here [INFO](#)

11. REMOVE BRAKE BOOSTER WITH MASTER CYLINDER ASSEMBLY

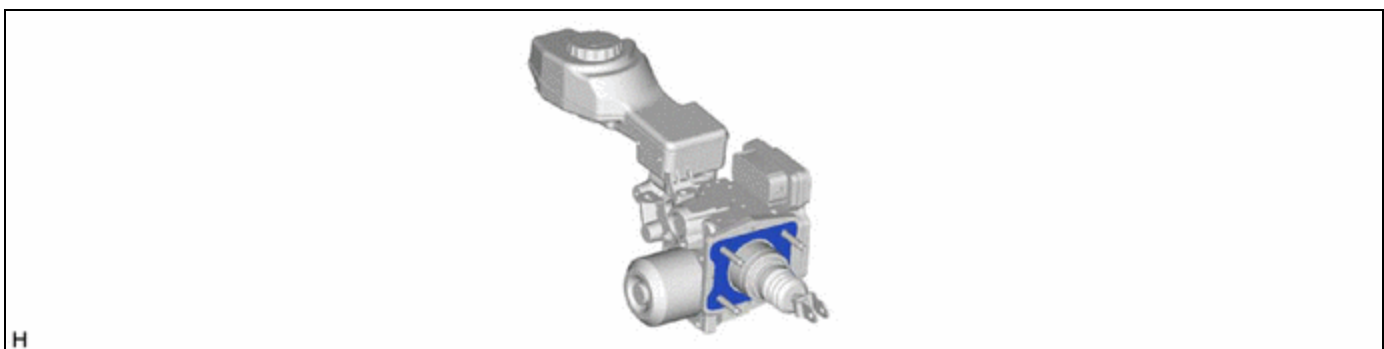


NOTICE:

- Do not apply excessive force to the brake lines.
- Do not drop the brake booster with master cylinder assembly when carrying it.
- Be careful not to allow any brake fluid to enter the connector.



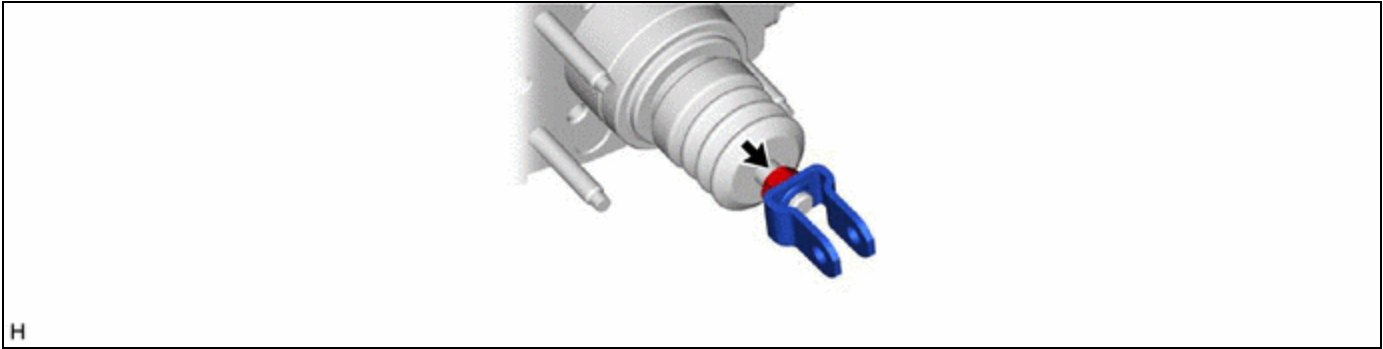
12. REMOVE BRAKE MASTER CYLINDER GASKET



13. REMOVE MASTER CYLINDER PUSH ROD CLEVIS

HINT:

Perform this procedure only when replacement of the master cylinder push rod clevis is necessary.

**14. REMOVE MASTER CYLINDER PUSH ROD NUT****HINT:**

Perform this procedure only when replacement of the master cylinder push rod nut is necessary.

