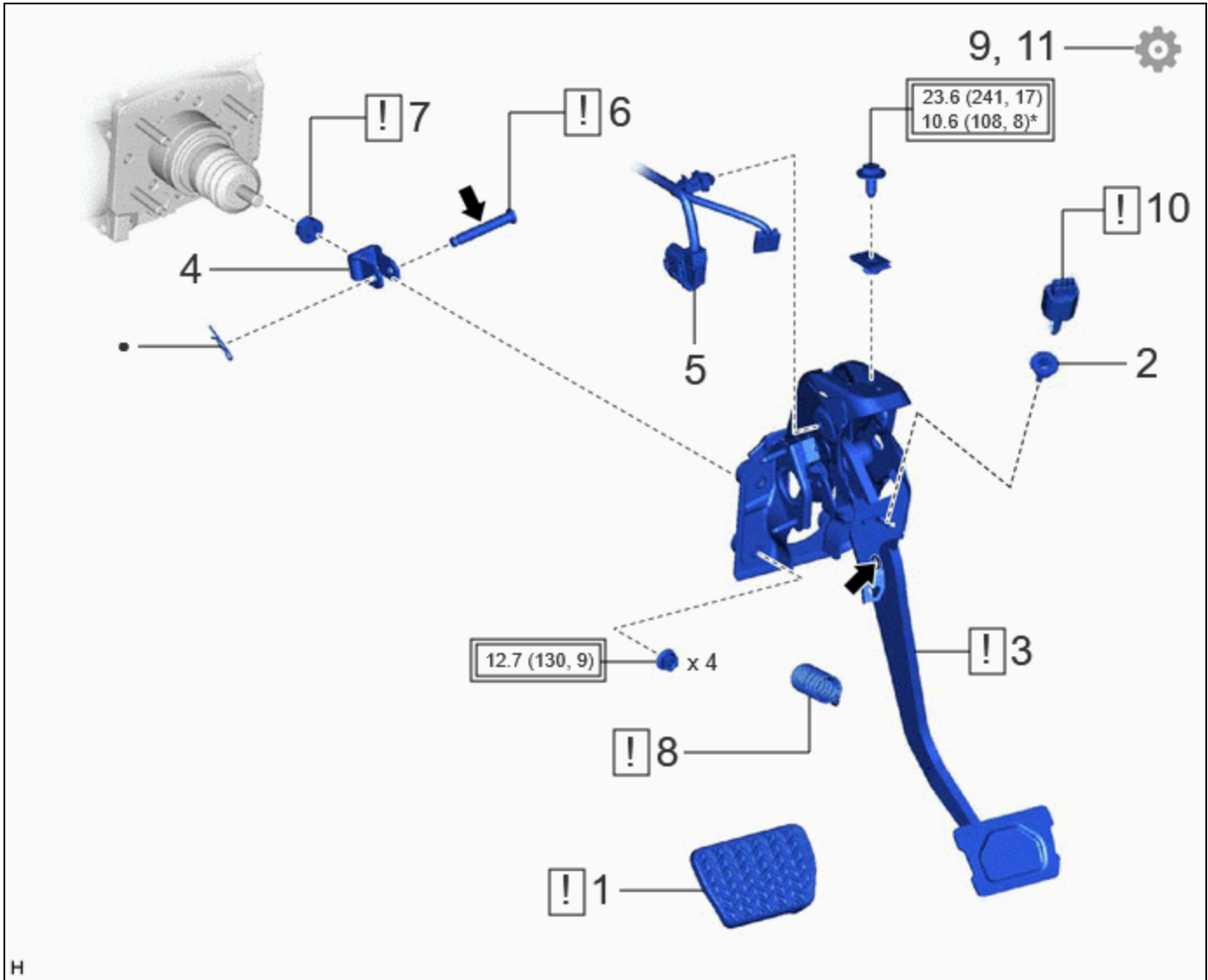


Last Modified: 12-04-2024	6.11:8.1.0	Doc ID: RM1000000029ZB3
Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [12/2022 -]
Title: BRAKE SYSTEM (OTHER): BRAKE PEDAL: INSTALLATION; 2023 - 2024 MY Prius Prius Prime [12/2022 -]		




INSTALLATION



CAUTION / NOTICE / HINT

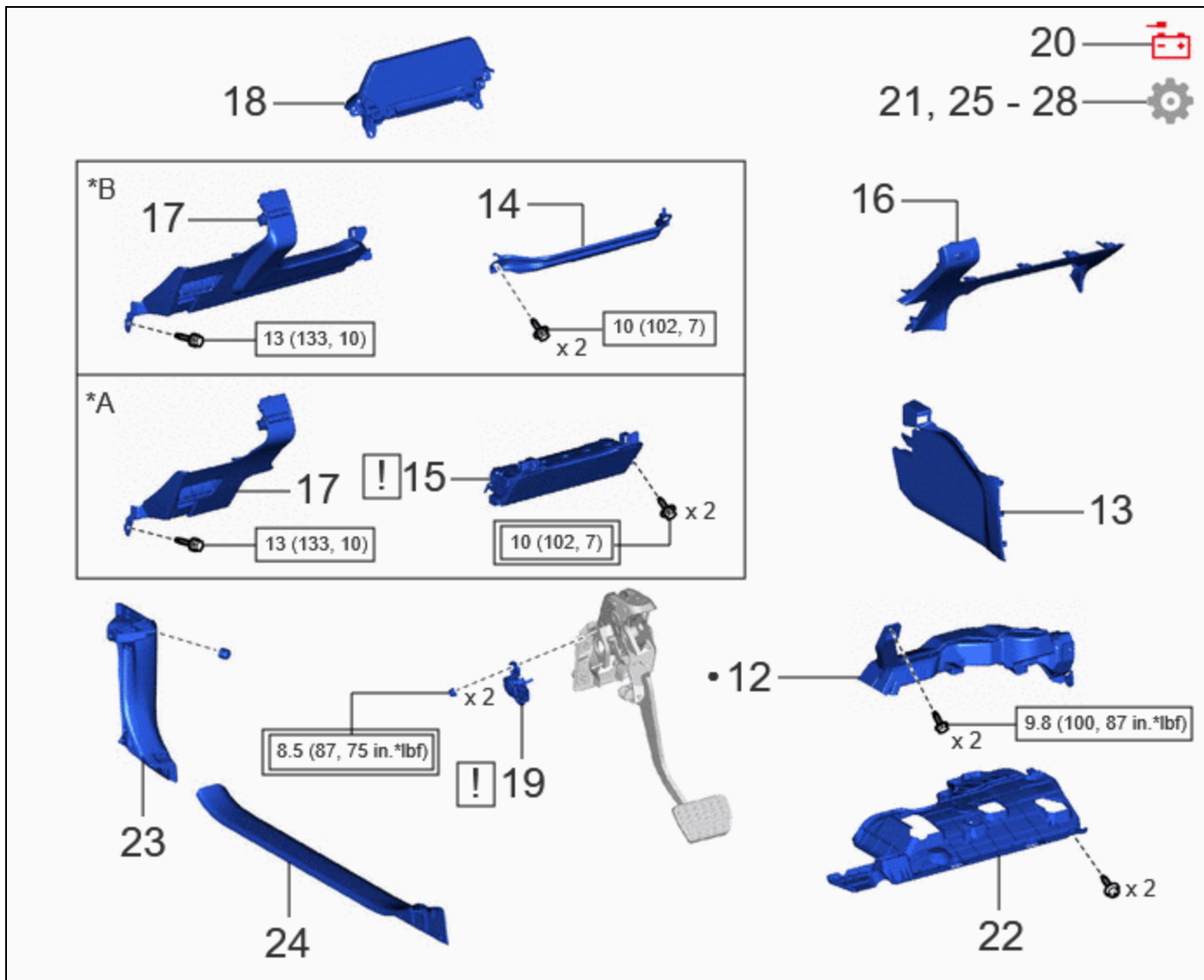
COMPONENTS (INSTALLATION)









PROCEDURE		PART NAME CODE	!	📄	⚙️
1	BRAKE PEDAL PAD	47121	INFO	-	-
2	STOP LIGHT SWITCH MOUNTING ADJUSTER	84345	-	-	-



PROCEDURE		PART NAME CODE			
3	BRAKE PEDAL SUPPORT ASSEMBLY	47110	INFO	-	-
4	MASTER CYLINDER PUSH ROD CLEVIS	47264	-	-	-
5	ENGINE ROOM MAIN WIRE	82111	-	-	-
6	PUSH ROD PIN	47264A	INFO	-	-
7	TEMPORARILY TIGHTEN MASTER CYLINDER PUSH ROD NUT	47262	INFO	-	-
8	BRAKE PEDAL RETURN SPRING	47101A	INFO	-	-
9	INSPECT AND ADJUST BRAKE PEDAL HEIGHT	-	-	-	INFO
10	STOP LIGHT SWITCH ASSEMBLY	84340	INFO	-	-
11	INSPECT BRAKE PEDAL FREE PLAY	-	-	-	INFO

	Tightening torque for "Major areas involving basic vehicle performance such as moving/turning/stopping": N*m (kgf*cm, ft.*lbf)	*	For use with SST
•	Non-reusable part		Lithium soap base glycol grease




PROCEDURE		PART NAME CODE			
12	NO. 1 AIR DUCT	87211	-	-	-
13	FRONT NO. 1 CONSOLE BOX INSERT	58816D	-	-	-
14	NO. 2 KNEE PROTECTOR BRACKET	55462C	-	-	-
15	LOWER NO. 1 INSTRUMENT PANEL AIRBAG ASSEMBLY	73900	INFO	-	-
16	LOWER CENTER INSTRUMENT PANEL FINISH PANEL	55434B	-	-	-
17	LOWER INSTRUMENT PANEL FINISH PANEL ASSEMBLY	55480D	-	-	-
18	COMBINATION METER SUB-ASSEMBLY	-	-	-	-
19	BRAKE PEDAL STROKE SENSOR ASSEMBLY	89510D	INFO	-	-
20	CONNECT CABLE TO NEGATIVE AUXILIARY BATTERY TERMINAL	-	-	-	-
21	INSPECT AND ADJUST BRAKE PEDAL STROKE SENSOR	-	-	-	INFO

	PROCEDURE	PART NAME CODE			
22	NO. 1 INSTRUMENT PANEL UNDER COVER SUB-ASSEMBLY	55606	-	-	-
23	COWL SIDE TRIM BOARD LH	62112	-	-	-
24	FRONT DOOR SCUFF PLATE LH	67914	-	-	-
25	PERFORM BRAKE SYSTEM CALIBRATION	-	-	-	
26	INSPECT BRAKE PEDAL RESERVE DISTANCE	-	-	-	
27	CHECK AND CLEAR DTC	-	-	-	-
28	PERFORM INITIALIZATION AND CALIBRATION	-	-	-	

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

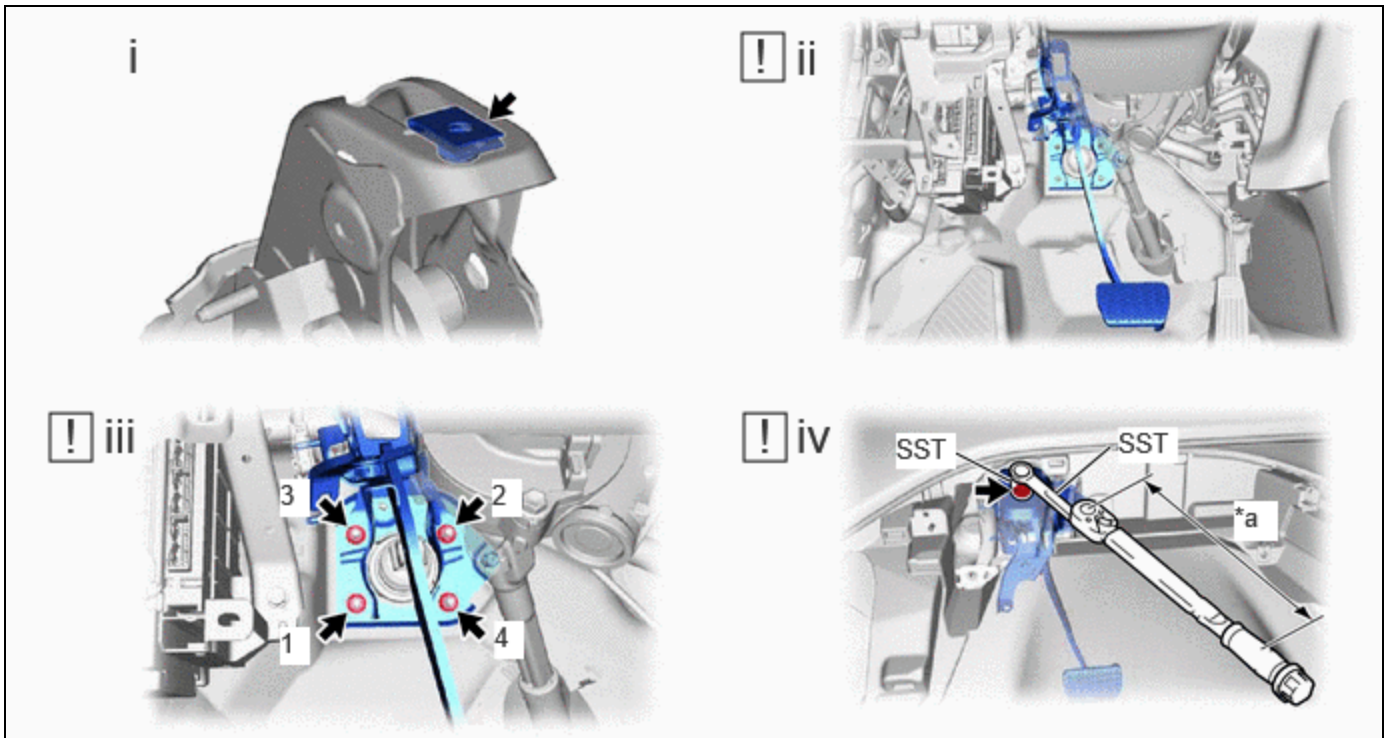
PROCEDURE

1. INSTALL BRAKE PEDAL PAD

	<p>HINT:</p> <p>Installation is easier after applying a small amount of soapy water.</p>
---	---

2. INSTALL STOP LIGHT SWITCH MOUNTING ADJUSTER

3. INSTALL BRAKE PEDAL SUPPORT ASSEMBLY



*a	Torque Wrench Fulcrum Length	-	-
----	------------------------------	---	---

- (1) Install the nut to the brake pedal support assembly.
- (2) Temporarily install the brake pedal support assembly while avoiding the stud bolts of the brake booster with master cylinder assembly and brake booster support base.
- (3) Tighten the brake pedal support assembly with the 4 nuts in the order shown in the illustration.

Torque:

12.7 N·m {130 kgf·cm, 9 ft·lbf}

- (4) Using SST, tighten the brake pedal support assembly with the bolt.

SST: 09729-00120

SST: 09926-24010

09926-02120

Torque:

Specified tightening torque :

23.6 N·m {241 kgf·cm, 17 ft·lbf}

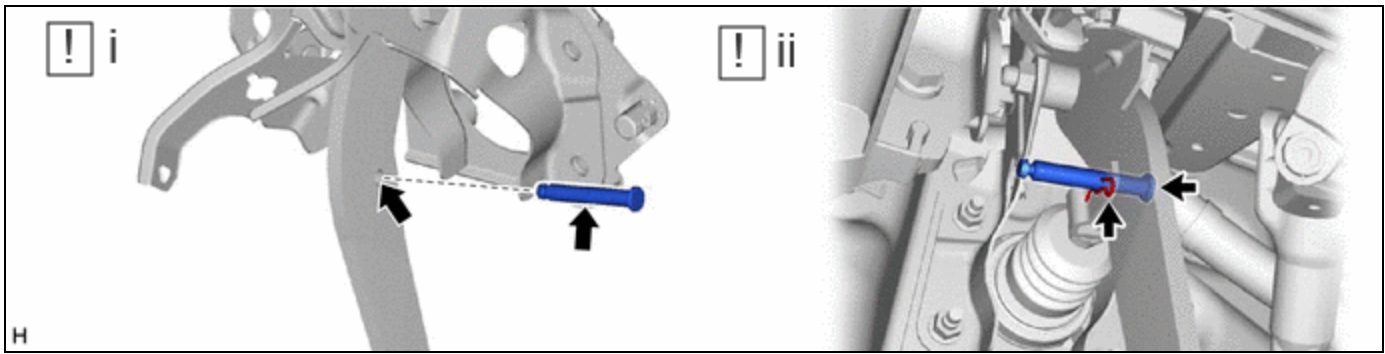
HINT:

- Calculate the torque wrench reading when changing the fulcrum length of the torque wrench.
[Click here](#) INFO
- When using SST (fulcrum length of 200 mm (7.87 in.)) + torque wrench (fulcrum length of 162 mm (6.38 in.)):
 10.6 N·m (108 kgf·cm, 8 ft·lbf)

4. INSTALL MASTER CYLINDER PUSH ROD CLEVIS

5. INSTALL ENGINE ROOM MAIN WIRE

6. INSTALL PUSH ROD PIN



- (1) Apply lithium soap base glycol grease to the push rod pin and installation hole of the brake pedal support assembly.
- (2) Connect the master cylinder push rod clevis to the brake pedal support assembly with the push rod pin, and install a new clip as shown in the illustration.

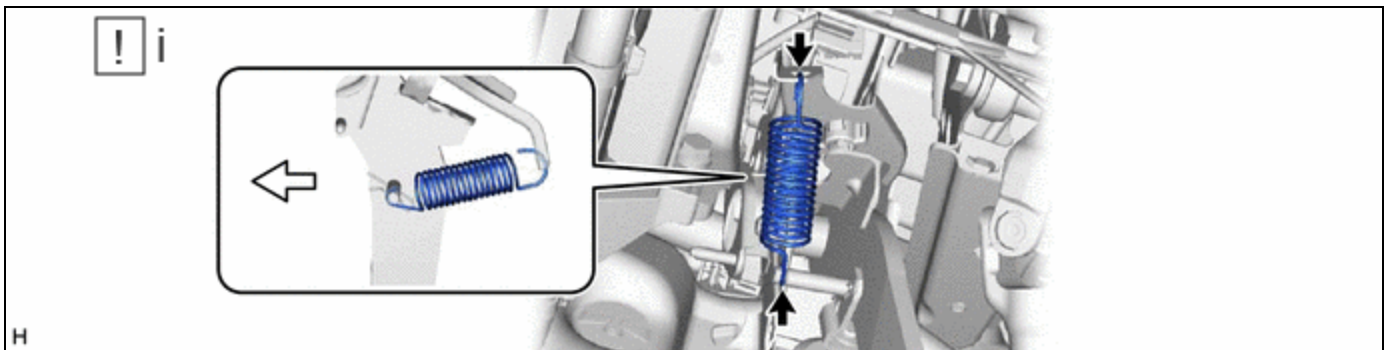
NOTICE:

Be sure to install the push rod pin in the correct direction.

7. TEMPORARILY TIGHTEN MASTER CYLINDER PUSH ROD NUT

	<p>NOTICE: Fully tighten the master cylinder push rod nut when adjusting the brake pedal height.</p>
--	---

8. INSTALL BRAKE PEDAL RETURN SPRING



	Front of the Vehicle	-	-	
--	----------------------	---	---	--

- (1) Install the brake pedal return spring to the brake pedal support assembly as shown in the illustration.

NOTICE:

Be sure to install the brake pedal return spring in the correct direction.

9. INSPECT AND ADJUST BRAKE PEDAL HEIGHT

Click here [INFO](#)

10. INSTALL STOP LIGHT SWITCH ASSEMBLY



Click here [INFO](#)

11. INSPECT BRAKE PEDAL FREE PLAY

Click here [INFO](#)

12. INSTALL NO. 1 AIR DUCT

Click here [INFO](#)

13. INSTALL FRONT NO. 1 CONSOLE BOX INSERT

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

Click here [INFO](#)

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



Click here [INFO](#)

16. INSTALL LOWER CENTER INSTRUMENT PANEL FINISH PANEL

17. INSTALL LOWER INSTRUMENT PANEL FINISH PANEL ASSEMBLY

Click here [INFO](#)

18. INSTALL COMBINATION METER SUB-ASSEMBLY

Click here [INFO](#)

19. INSTALL BRAKE PEDAL STROKE SENSOR ASSEMBLY



Click here [INFO](#)

20. CONNECT CABLE TO NEGATIVE AUXILIARY BATTERY TERMINAL

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

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

21. INSPECT AND ADJUST BRAKE PEDAL STROKE SENSOR


Click here [INFO](#)

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

23. INSTALL COWL SIDE TRIM BOARD LH

24. INSTALL FRONT DOOR SCUFF PLATE LH

25. PERFORM BRAKE SYSTEM CALIBRATION

Click here 

26. INSPECT BRAKE PEDAL RESERVE DISTANCE

Click here 

27. CHECK AND CLEAR DTC

28. PERFORM INITIALIZATION AND CALIBRATION

Click here

