

Last Modified: 12-04-2024	6.11:8.1.0	Doc ID: RM10000000292GB
Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [12/2022 -]
Title: M20A-FXS (INTAKE / EXHAUST): INTAKE MANIFOLD: REMOVAL; 2023 - 2024 MY Prius Prius Prime [12/2022 -]		

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 intake manifold 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
<ul style="list-style-type: none"> Replacement of throttle body with motor assembly Cleaning the deposits from the throttle body with motor assembly Gas leak from exhaust system is repaired 	Inspection After Repair	<ul style="list-style-type: none"> Poor idle, etc. Engine start function, etc. 	INFO

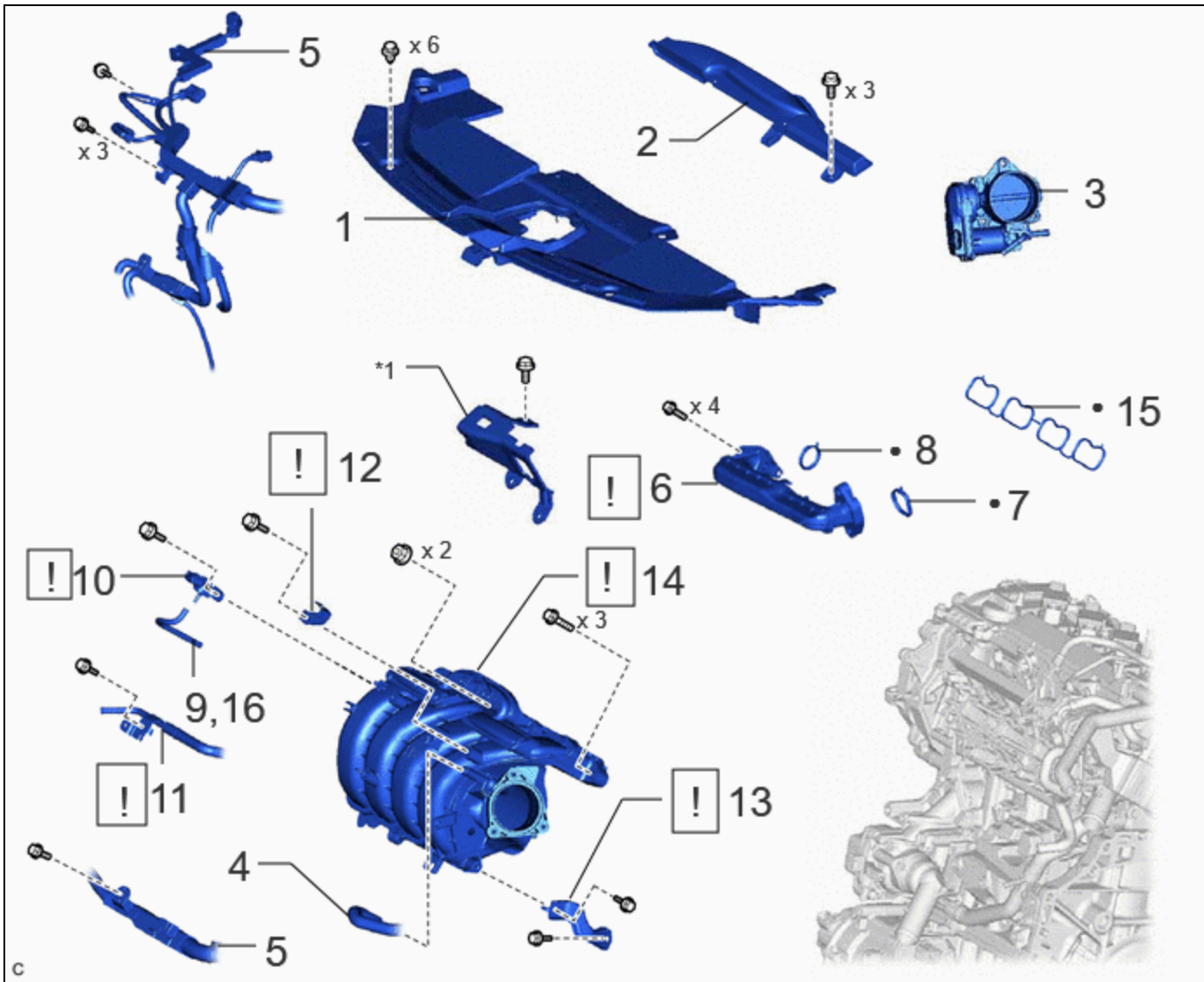
NOTICE:




This procedure includes the removal of small-head bolts. Refer to Small-Head Bolts of Basic Repair Hint to identify the small-head bolts.




Click here [INFO](#)

CAUTION / NOTICE / HINT

COMPONENTS (REMOVAL)



PROCEDURE		PART NAME CODE			
1	RADIATOR SUPPORT OPENING COVER	53289A	-	-	-
2	INLET NO. 1 AIR CLEANER	17751	-	-	-
3	THROTTLE BODY WITH MOTOR ASSEMBLY	22030	-	-	-
4	NO. 1 FUEL VAPOR FEED HOSE	23826	-	-	-
5	ENGINE WIRE	82121	-	-	-
6	NO. 1 EGR PIPE SUB-ASSEMBLY	25601	INFO	-	-
7	EGR VALVE ADAPTER GASKET	25629	-	-	-
8	EGR INLET GASKET	25628	-	-	-
9	VACUUM HOSE	-	-	-	-
10	E.F.I. VACUUM SENSOR ASSEMBLY (MANIFOLD ABSOLUTE PRESSURE SENSOR)	89421	INFO	-	-

PROCEDURE		PART NAME CODE			
11	NO. 3 WATER BY-PASS PIPE	16279	INFO	-	-
12	WIRING HARNESS CLAMP BRACKET	-	INFO	-	-
13	INTAKE MANIFOLD STAY	17138B	INFO	-	-
14	INTAKE MANIFOLD	17111	INFO	-	-
15	NO. 1 INTAKE MANIFOLD TO HEAD GASKET	17177	-	-	-
16	VACUUM HOSE	-	-	-	-

*1	NO. 2 FUEL DELIVERY GUARD	-	-
•	Non-reusable part	-	-

PROCEDURE

1. REMOVE RADIATOR SUPPORT OPENING COVER

Click here [INFO](#)

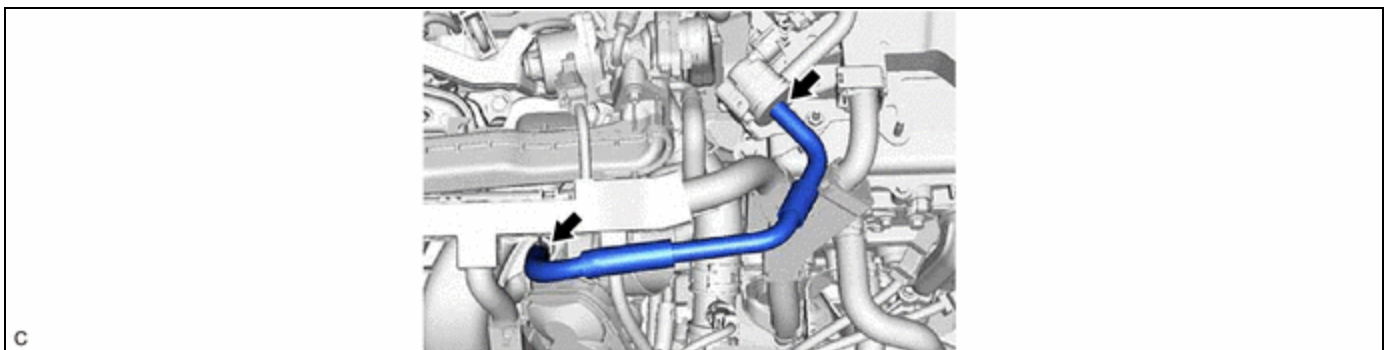
2. REMOVE INLET NO. 1 AIR CLEANER

Click here [INFO](#)

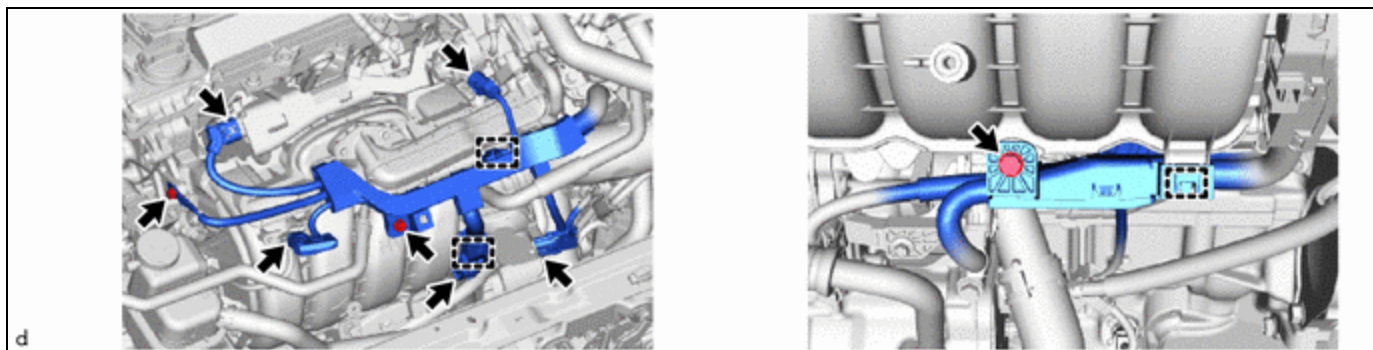
3. REMOVE THROTTLE BODY WITH MOTOR ASSEMBLY

Click here [INFO](#)

4. REMOVE NO. 1 FUEL VAPOR FEED HOSE



5. DISCONNECT ENGINE WIRE



6. REMOVE NO. 1 EGR PIPE SUB-ASSEMBLY

	<p>Click here INFO</p>
---	--

7. REMOVE EGR VALVE ADAPTER GASKET

Click here [INFO](#)

8. REMOVE EGR INLET GASKET

Click here [INFO](#)

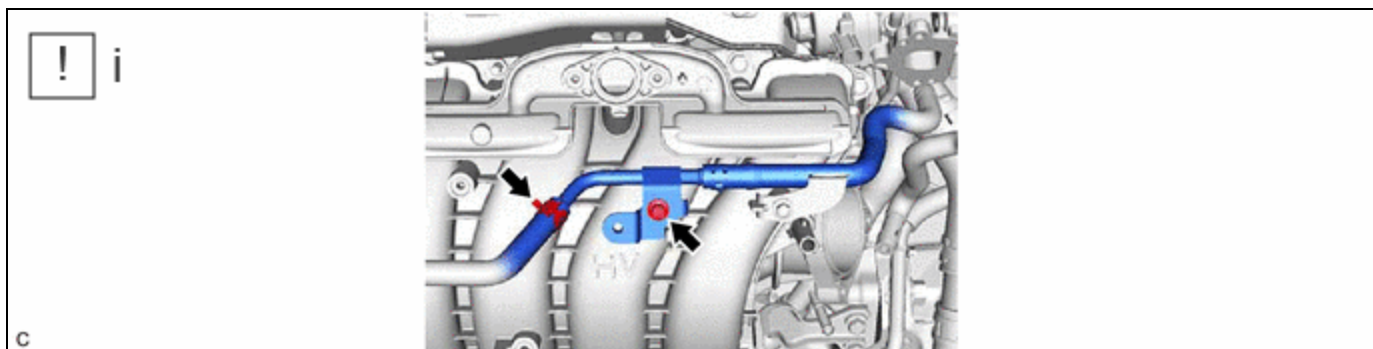
9. SEPARATE VACUUM HOSE

Click here [INFO](#)

10. REMOVE E.F.I. VACUUM SENSOR ASSEMBLY (MANIFOLD ABSOLUTE PRESSURE SENSOR)

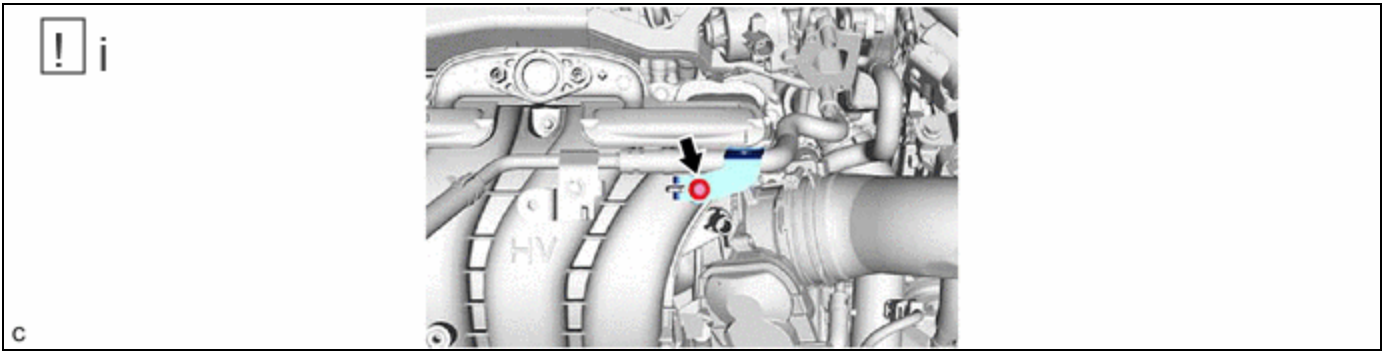
	<p>Click here INFO</p>
---	--

11. DISCONNECT NO. 3 WATER BY-PASS PIPE



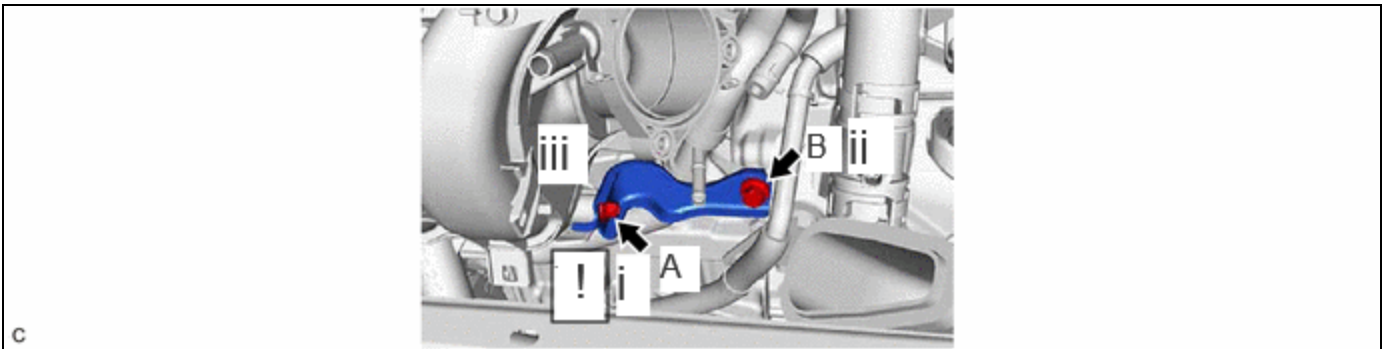
(1) Using an 8 mm socket wrench, remove the bolt and separate the No. 3 water by-pass pipe from the intake manifold.

12. REMOVE WIRING HARNESS CLAMP BRACKET



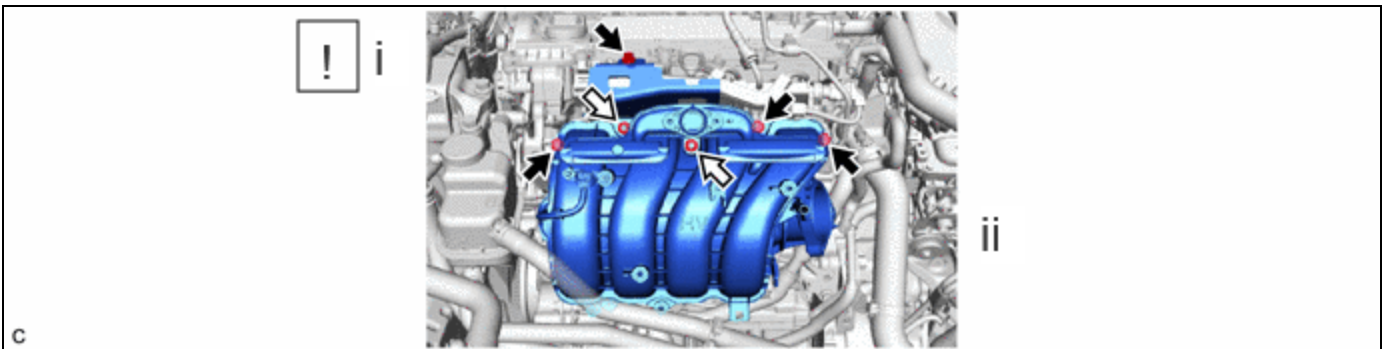
(1) Using an 8 mm socket wrench, remove the bolt and separate the wiring harness clamp bracket from the intake manifold.

13. REMOVE INTAKE MANIFOLD STAY



- (1) Using an 8 mm socket wrench, remove the bolt (A).
- (2) Remove the bolt (B).
- (3) Disengage the guide and remove the intake manifold stay.

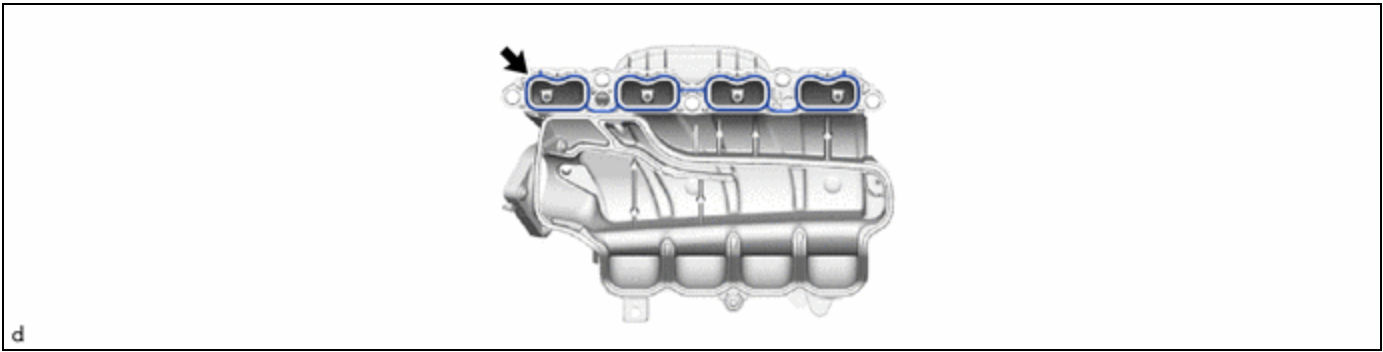
14. REMOVE INTAKE MANIFOLD



	bolt		nut
--	------	--	-----

- (1) Remove the bolt and 2 nuts and No. 2 fuel delivery guard.
- (2) Remove the 3 bolts and intake manifold.

15. REMOVE NO. 1 INTAKE MANIFOLD TO HEAD GASKET



16. REMOVE VACUUM HOSE

