

Last Modified: 12-04-2024	6.11:8.1.0	Doc ID: RM10000002B3G1
Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [03/2023 -]
Title: M20A-FXS (ENGINE CONTROL): AIR FUEL RATIO SENSOR (for Sensor 1): 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 air fuel ratio sensor 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 air fuel ratio sensor (sensor 1) Gas leak from exhaust system is repaired 	Inspection after repair	<ul style="list-style-type: none"> Poor idle, etc. Engine start function, etc. 	INFO

CAUTION:

To prevent burns, do not touch the engine, exhaust manifold or other high temperature components while the engine is hot.



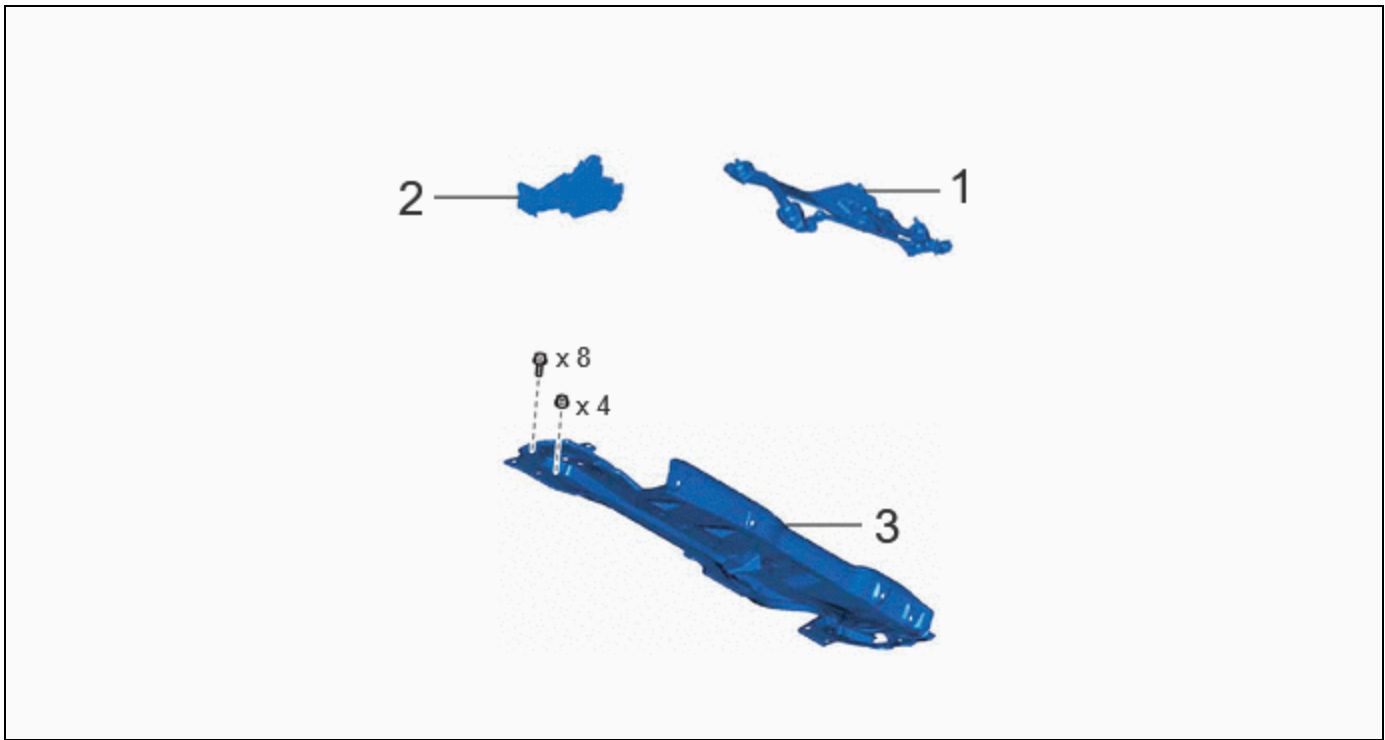
NOTICE:




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

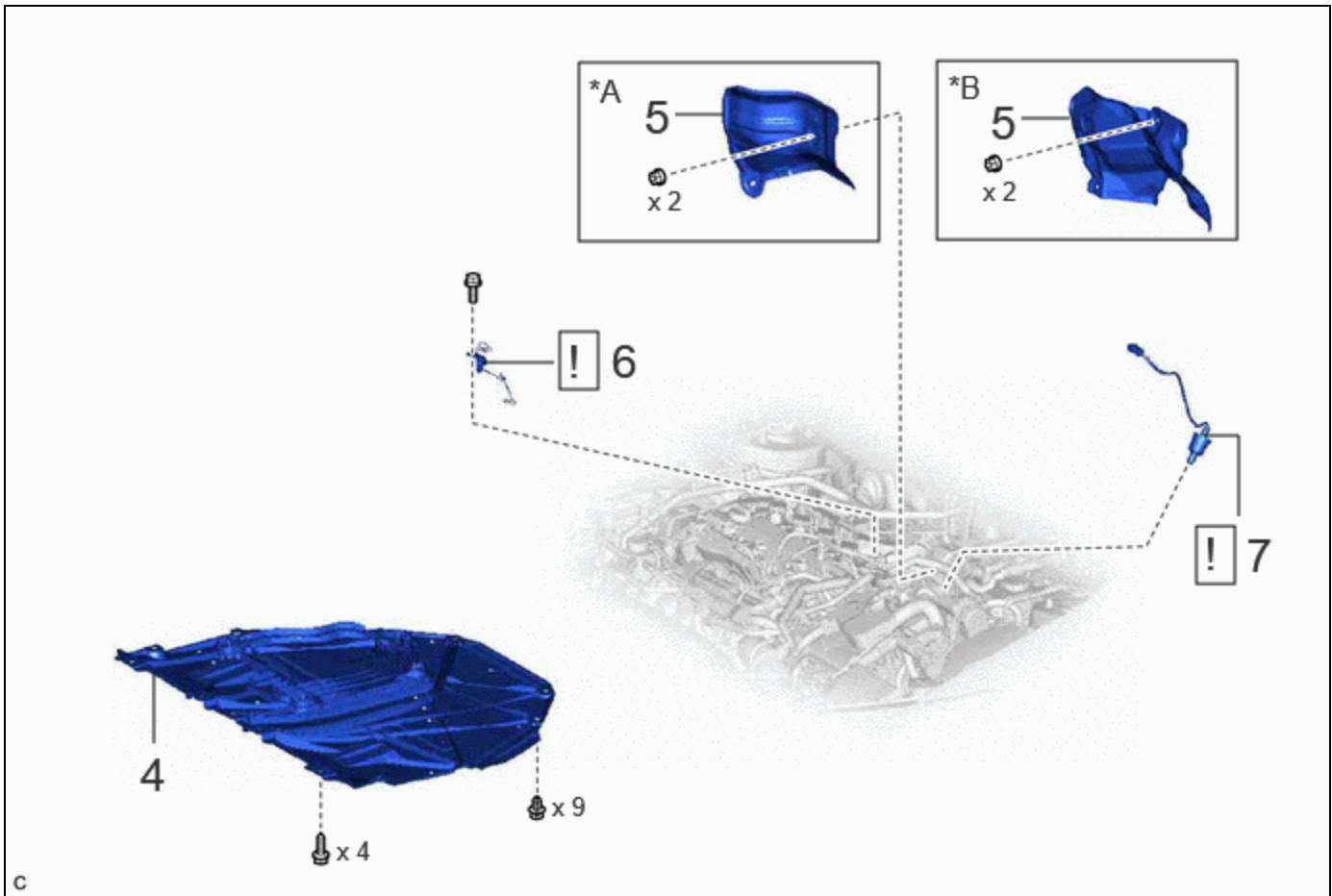
Click here [INFO](#)

CAUTION / NOTICE / HINT

COMPONENTS (REMOVAL)



	PROCEDURE	PART NAME CODE			
1	WINDSHIELD WIPER MOTOR AND LINK ASSEMBLY	-	-	-	-
2	WATER GUARD PLATE	55734D	-	-	-
3	OUTER COWL TOP PANEL SUB-ASSEMBLY	55701J	-	-	-



PROCEDURE		PART NAME CODE			
4	NO. 1 ENGINE UNDER COVER ASSEMBLY	51410	-	-	-
5	DASH PANEL HEAT INSULATOR	55225C	-	-	-
6	WIRE HARNESS CLAMP BRACKET	-	INFO	-	-
7	AIR FUEL RATIO SENSOR	89467B	INFO	-	-

*A	for HEV Model	*B	for PHEV Model
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PROCEDURE

1. REMOVE WINDSHIELD WIPER MOTOR AND LINK ASSEMBLY

Click here [INFO](#)

2. REMOVE WATER GUARD PLATE

Click here [INFO](#)

3. REMOVE OUTER COWL TOP PANEL SUB-ASSEMBLY

Click here [INFO](#)

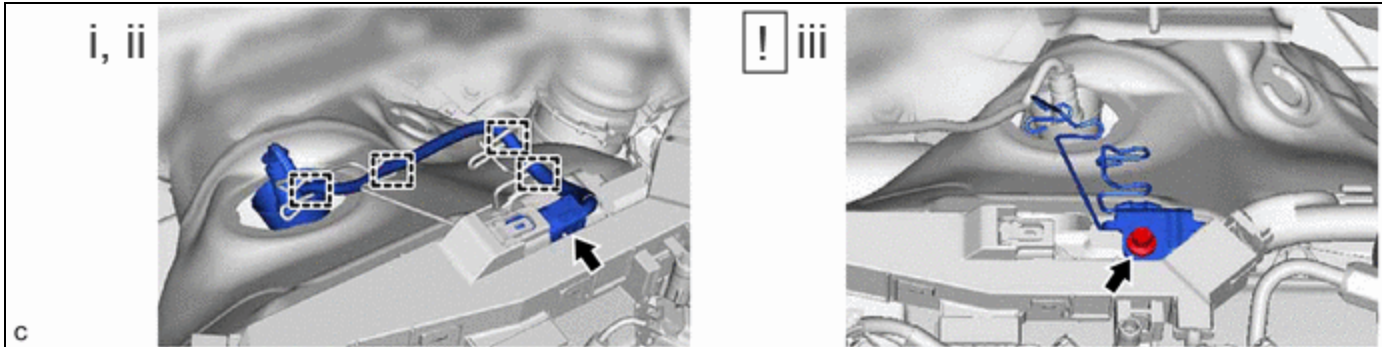
4. REMOVE NO. 1 ENGINE UNDER COVER ASSEMBLY

Click here [INFO](#)

5. REMOVE DASH PANEL HEAT INSULATOR

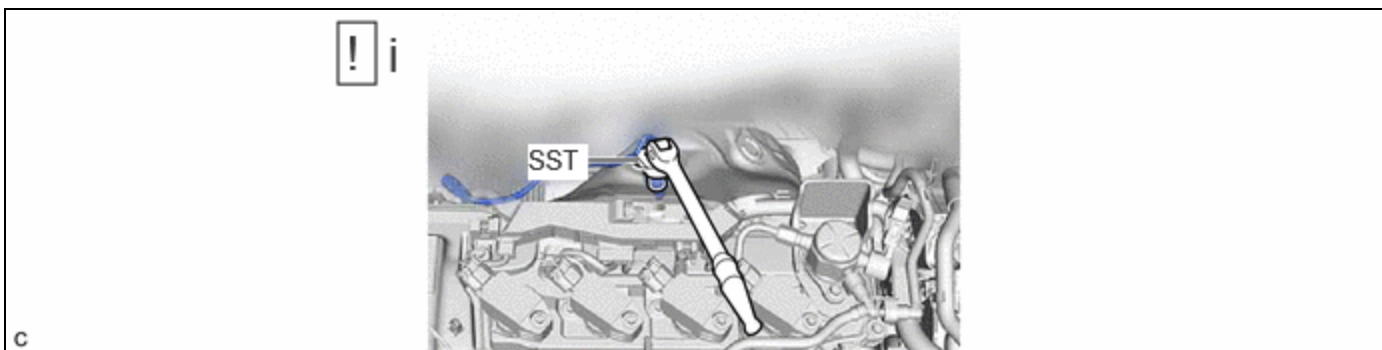
Click here [INFO](#)

6. REMOVE WIRE HARNESS CLAMP BRACKET



- (1) Disconnect the air fuel ratio sensor connector.
- (2) Disengage the 4 wire harness clamps.
- (3) Using an 8 mm socket wrench, remove the bolt and wire harness clamp bracket from the camshaft housing sub-assembly.

7. REMOVE AIR FUEL RATIO SENSOR



- (1) Using SST, remove the air fuel ratio sensor from the exhaust manifold.

SST: 09224-00012

NOTICE:

If the air fuel ratio sensor has been struck or dropped, replace it.

