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<b>Model Year Start:</b> 2023	<b>Model:</b> Prius Prime	<b>Prod Date Range:</b> [12/2022 - ]
<b>Title:</b> M20A-FXS (INTAKE / EXHAUST): INTAKE MANIFOLD: INSTALLATION; 2023 - 2024 MY Prius Prius Prime [12/2022 - ]		

## INSTALLATION

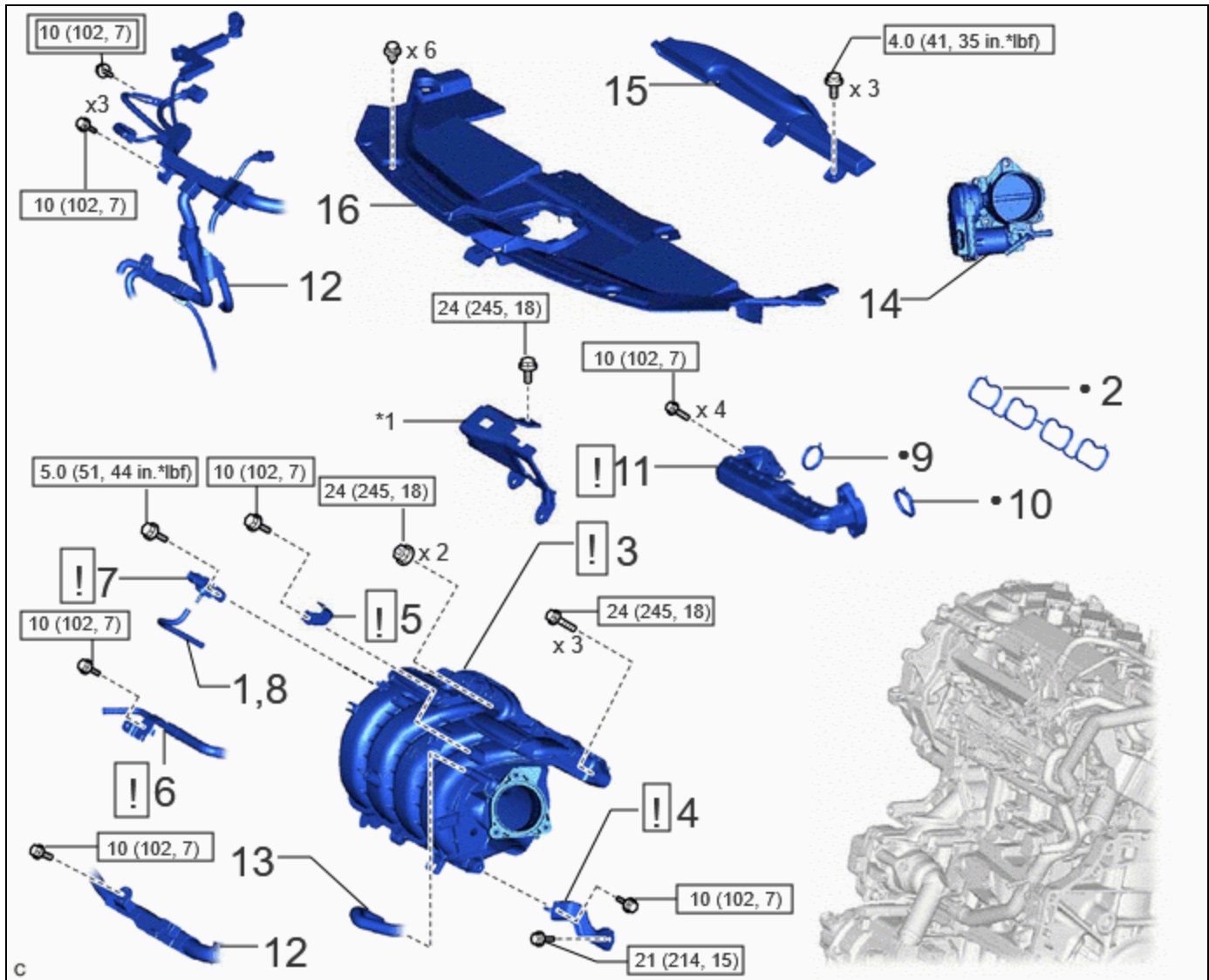
### CAUTION / NOTICE / HINT




**NOTICE:**



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

Click here [INFO](#)

### COMPONENTS (INSTALLATION)



PROCEDURE		PART NAME CODE			
1	VACUUM HOSE	-	-	-	-
2	NO. 1 INTAKE MANIFOLD TO HEAD GASKET	17177	-	-	-
3	INTAKE MANIFOLD	17111	INFO	-	-
4	INTAKE MANIFOLD STAY	17138B	INFO	-	-
5	WIRING HARNESS CLAMP BRACKET	-	INFO	-	-
6	NO. 3 WATER BY-PASS PIPE	16279	INFO	-	-
7	E.F.I. VACUUM SENSOR ASSEMBLY (MANIFOLD ABSOLUTE PRESSURE SENSOR)	89421	INFO	-	-
8	VACUUM HOSE	-	-	-	-
9	EGR INLET GASKET	25628	-	-	-
10	EGR VALVE ADAPTER GASKET	25629	-	-	-
11	NO. 1 EGR PIPE SUB-ASSEMBLY	25601	INFO	-	-
12	ENGINE WIRE	82121	-	-	-
13	NO. 1 FUEL VAPOR FEED HOSE	23826	-	-	-
14	THROTTLE BODY WITH MOTOR ASSEMBLY	22030	-	-	-
15	INLET NO. 1 AIR CLEANER	17751	-	-	-
16	RADIATOR SUPPORT OPENING COVER	53829A	-	-	-

*1	NO.2 FUEL DELIVERY GUARD	-	-
	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	-	-

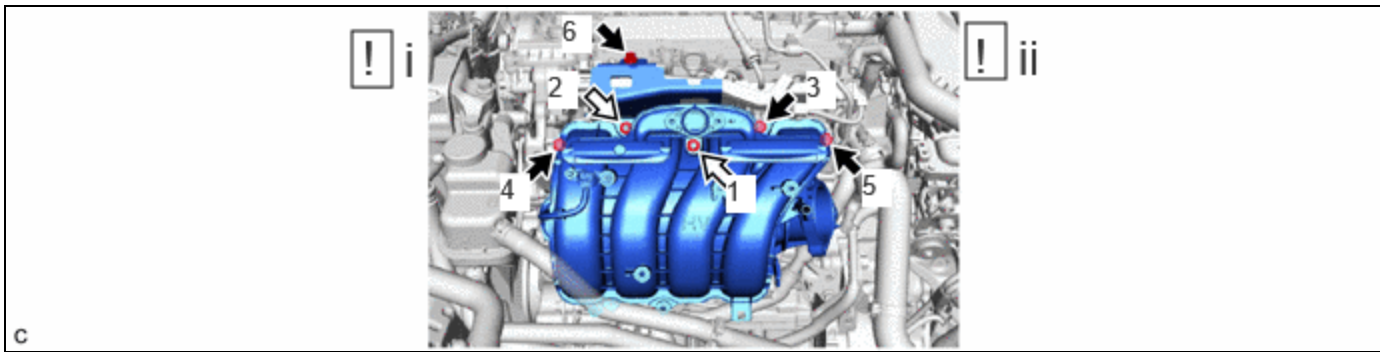
## **CAUTION / NOTICE / HINT**

### **PROCEDURE**

#### **1. INSTALL VACUUM HOSE**

#### **2. INSTALL NO. 1 INTAKE MANIFOLD TO HEAD GASKET**

#### **3. INSTALL INTAKE MANIFOLD**

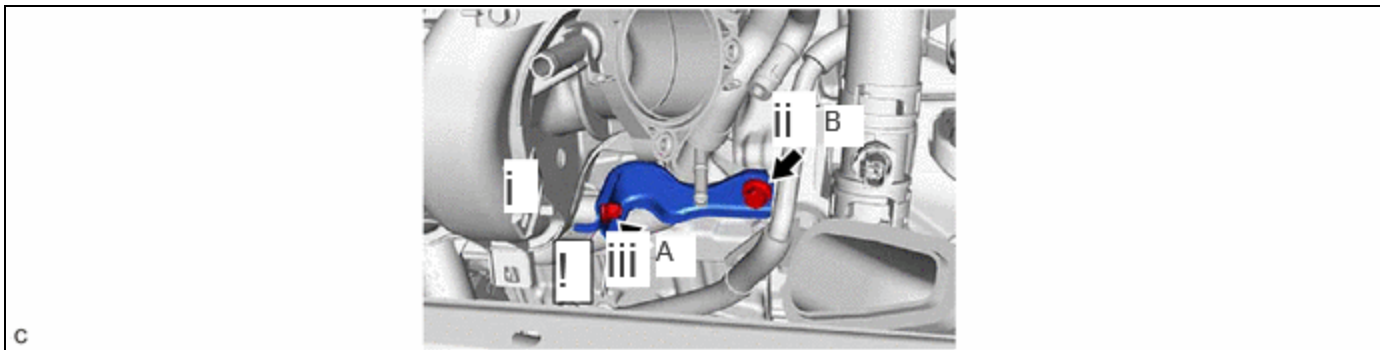


	Bolt		Nut
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- (1) Temporarily install the intake manifold and No. 2 fuel delivery guard to the cylinder head sub-assembly with the 4 bolts and 2 nuts.
- (2) Tighten the 4 bolts and 2 nuts in the order shown in the illustration.

**Torque:**

**24 N·m {245 kgf·cm, 18 ft·lbf}**

**4. INSTALL INTAKE MANIFOLD STAY**

- (1) Engage the guide to install the intake manifold stay.
- (2) Install the bolt (B).

**Torque:**

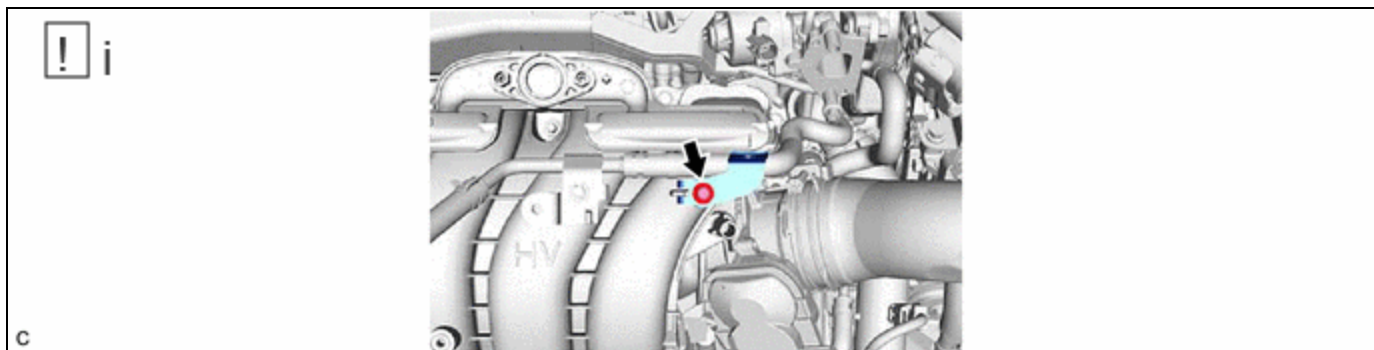
**21 N·m {214 kgf·cm, 15 ft·lbf}**

- (3) Using an 8 mm socket wrench, install the bolt (A).

**Torque:**

**10 N·m {102 kgf·cm, 7 ft·lbf}**

**5. INSTALL WIRING HARNESS CLAMP BRACKET**

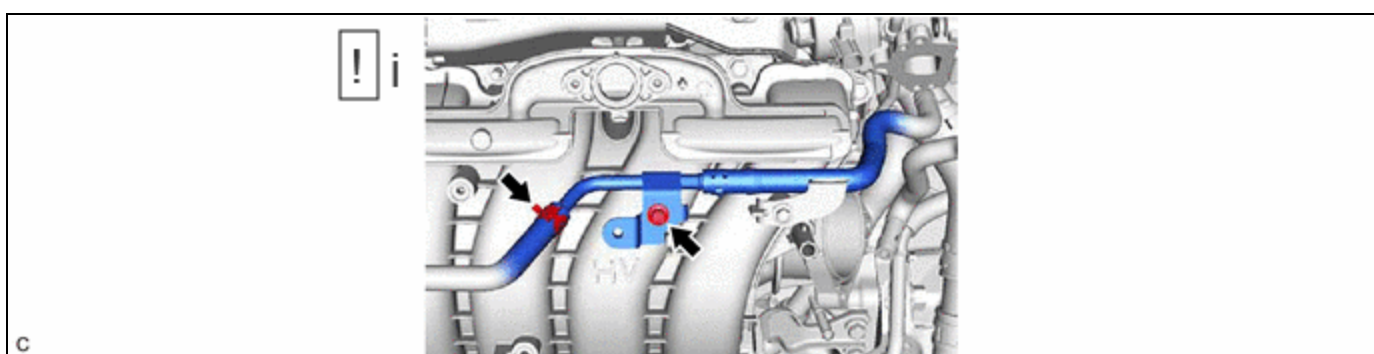


- (1) Using an 8 mm socket wrench, install the wiring harness clamp bracket to the intake manifold with the bolt.

**Torque:**

**10 N·m {102 kgf·cm, 7 ft·lbf}**

**6. CONNECT NO. 3 WATER BY-PASS PIPE**



- (1) Using an 8 mm socket wrench, connect the No. 3 water by-pass pipe to the intake manifold with the bolt.

**Torque:**

**10 N·m {102 kgf·cm, 7 ft·lbf}**

**7. INSTALL E.F.I. VACUUM SENSOR ASSEMBLY (MANIFOLD ABSOLUTE PRESSURE SENSOR)**

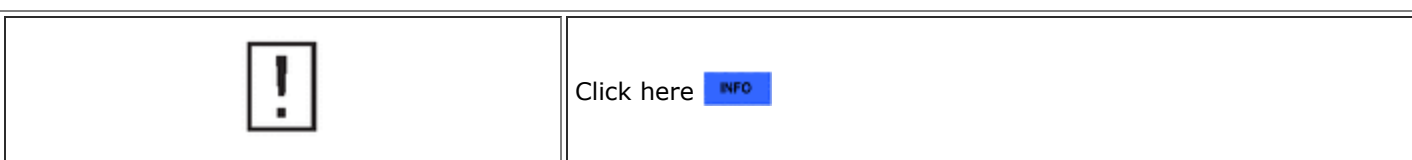


**8. CONNECT VACUUM HOSE**

**9. INSTALL EGR INLET GASKET**

**10. INSTALL EGR VALVE ADAPTER GASKET**

**11. INSTALL NO. 1 EGR PIPE SUB-ASSEMBLY**



**12. CONNECT ENGINE WIRE**

**Torque:**

**10 N·m {102 kgf·cm, 7 ft·lbf}**

**13. INSTALL NO. 1 FUEL VAPOR FEED HOSE**

**14. INSTALL THROTTLE BODY WITH MOTOR ASSEMBLY**

Click here 

**15. INSTALL INLET NO. 1 AIR CLEANER**

**Torque:**

**4.0 N·m {41 kgf·cm, 35 in·lbf}**

**16. INSTALL RADIATOR SUPPORT OPENING COVER**

