

# Your Ultimate Source for OEM Repair Manuals

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## 2010 TOYOTA Prius OEM Service and Repair Workshop Manual

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<b>Model Year Start:</b> 2020	<b>Model:</b> Supra	<b>Prod Date Range:</b> [03/2019 - 07/2022]
<b>Title:</b> B58 (ENGINE MECHANICAL): TIMING GEAR CASE: REMOVAL; 2020 - 2022 MY Supra [03/2019 - 07/2022]		

## **REMOVAL**

### **PROCEDURE**

#### **1. REMOVE ENGINE ASSEMBLY**

Click here [INFO](#)

#### **2. REMOVE SPARK PLUG**

Click here [INFO](#)

#### **3. REMOVE NO. 2 AIR CLEANER HOSE**

Click here [INFO](#)

#### **4. REMOVE OIL FILTER CAP ASSEMBLY**

Click here [INFO](#)

#### **5. REMOVE OIL PAN DRAIN PLUG**

Click here [INFO](#)

#### **6. INSTALL OIL PAN DRAIN PLUG**

Click here [INFO](#)

#### **7. REMOVE NO. 1 FUEL PIPE SUB-ASSEMBLY**

Click here [INFO](#)

#### **8. REMOVE FUEL PUMP ASSEMBLY**

Click here [INFO](#)

#### **9. REMOVE FUEL INJECTOR ASSEMBLY (for Front Side)**

Click here [INFO](#)

#### **10. REMOVE FUEL INJECTOR ASSEMBLY (for Rear Side)**

Click here [INFO](#)

#### **11. REMOVE CAM TIMING OIL CONTROL SOLENOID ASSEMBLY**

Click here [INFO](#)

#### **12. REMOVE CYLINDER HEAD COVER SUB-ASSEMBLY**

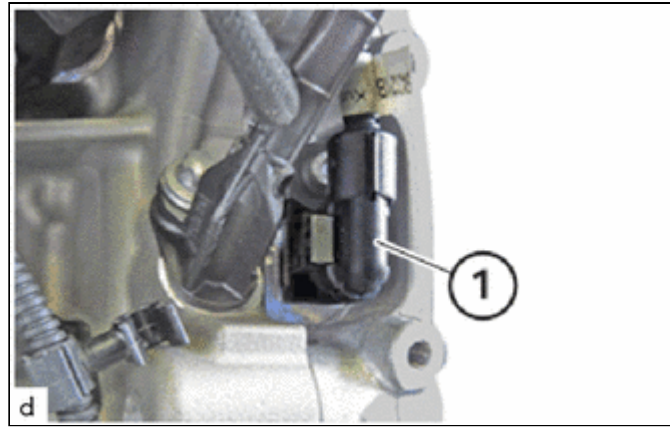
Click here [INFO](#)

#### **13. INSTALL OIL FILTER CAP ASSEMBLY**

Click here [INFO](#)

#### **14. REMOVE INTAKE MANIFOLD**

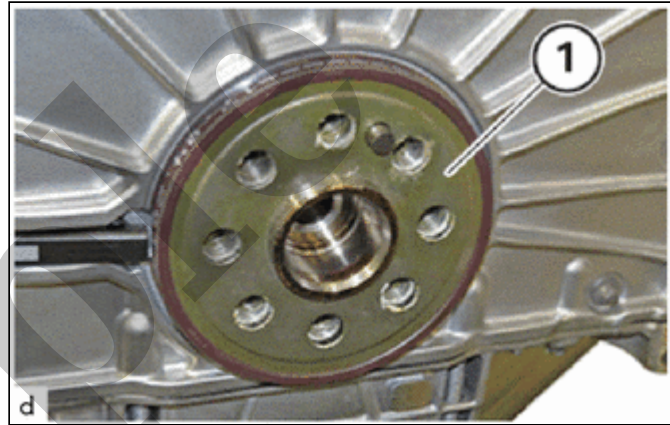
Click here [INFO](#)



(b) Remove the No. 1 crank angle sensor plate (1) from the crankshaft.

**HINT:**

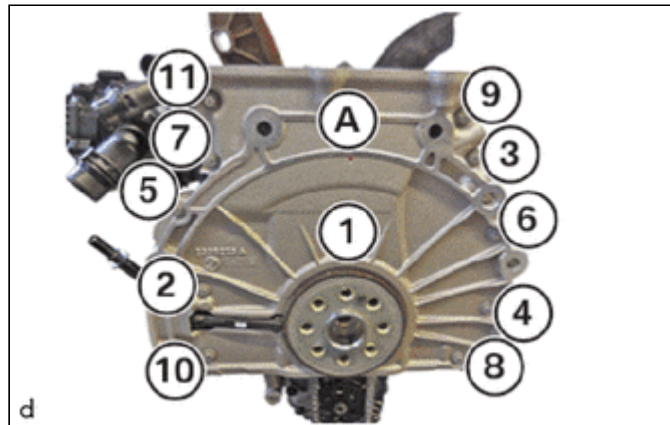
Increment wheel is magnetic. Protect the increment wheel from contact with metallic swarf after disassembly.



(c) Loosen E8 bolts in the order (11) to (1).

**HINT:**

Increased force may be necessary during disassembly because the component is bonded with liquid seal packing.



(d) Carefully loosen and remove the timing gear case (A).

### 31. REMOVE CRANKSHAFT POSITION SENSOR

**NOTICE:**

- Electrostatic discharge.

Damage to or destruction of electrical components.

- Only touch the housings of electrical components. Do not touch pins or multi-pin connectors directly.
- For additional information see:

Click here [INFO](#)

<b>Last Modified:</b> 07-26-2024	6.11:8.1.0	<b>Doc ID:</b> RM100000002705G
<b>Model Year Start:</b> 2023	<b>Model:</b> Supra	<b>Prod Date Range:</b> [07/2022 - ]
<b>Title:</b> B58 (ENGINE MECHANICAL): TIMING GEAR CASE: REMOVAL; 2023 - 2025 MY Supra [07/2022 - ]		

## REMOVAL

### PROCEDURE

#### **1. REMOVE ENGINE ASSEMBLY**

Click here [INFO](#)

#### **2. REMOVE SPARK PLUG**

Click here [INFO](#)

#### **3. REMOVE NO. 2 AIR CLEANER HOSE**

Click here [INFO](#)

#### **4. REMOVE OIL FILTER CAP ASSEMBLY**

Click here [INFO](#)

#### **5. REMOVE OIL PAN DRAIN PLUG**

Click here [INFO](#)

#### **6. INSTALL OIL PAN DRAIN PLUG**

Click here [INFO](#)

#### **7. REMOVE NO. 1 FUEL PIPE SUB-ASSEMBLY**

Click here [INFO](#)

#### **8. REMOVE FUEL (ENGINE ROOM SIDE) PUMP ASSEMBLY**

Click here [INFO](#)

#### **9. REMOVE FUEL INJECTOR ASSEMBLY (for Front Side)**

Click here [INFO](#)

#### **10. REMOVE FUEL INJECTOR ASSEMBLY (for Rear Side)**

Click here [INFO](#)

#### **11. REMOVE CAM TIMING OIL CONTROL SOLENOID ASSEMBLY**

Click here [INFO](#)

#### **12. REMOVE CYLINDER HEAD COVER SUB-ASSEMBLY**

Click here [INFO](#)

#### **13. INSTALL OIL FILTER CAP ASSEMBLY**

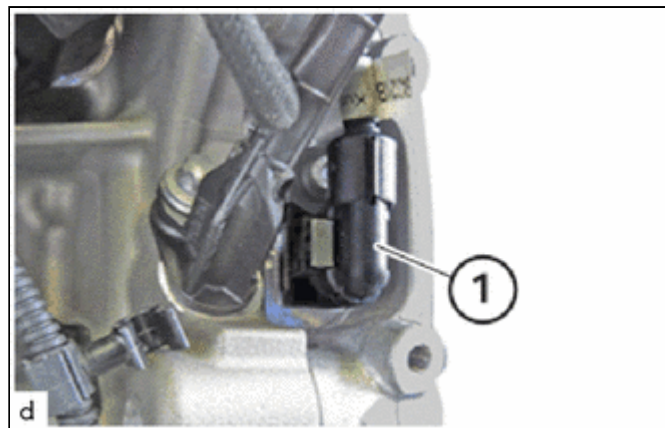
Click here [INFO](#)

#### **14. REMOVE INTAKE MANIFOLD**

Click here [INFO](#)

## 32. REMOVE TIMING GEAR CASE

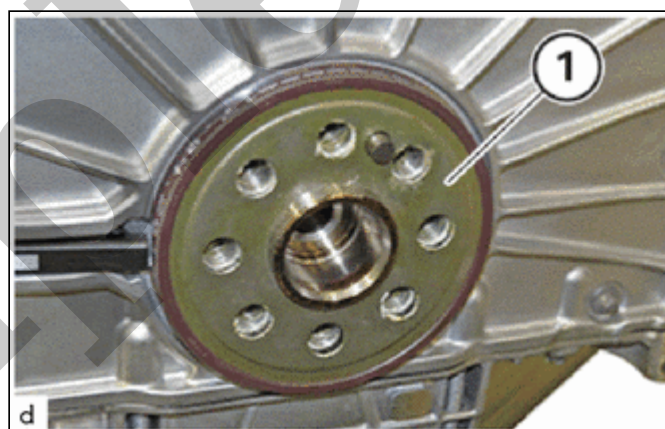
- (a) Unlock the connector (1) and pull it off the crank position sensor.



- (b) Remove the No. 1 crank angle sensor plate (1) from the crankshaft.

**HINT:**

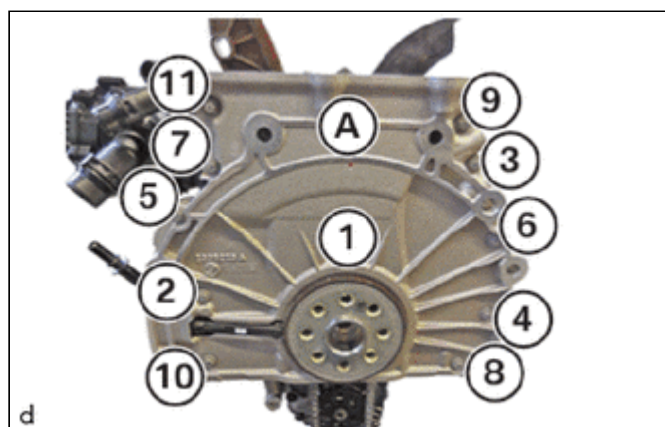
Increment wheel is magnetic. Protect the increment wheel from contact with metallic swarf after disassembly.



- (c) Loosen E8 bolts in the order (11) to (1).

**HINT:**

Increased force may be necessary during disassembly because the component is bonded with liquid seal packing.



- (d) Carefully loosen and remove the timing gear case (A).

## 33. REMOVE CRANKSHAFT POSITION SENSOR

**NOTICE:**

- Electrostatic discharge.

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