

# 2022 CHEVROLET CORVETTE SERVICE MANUAL

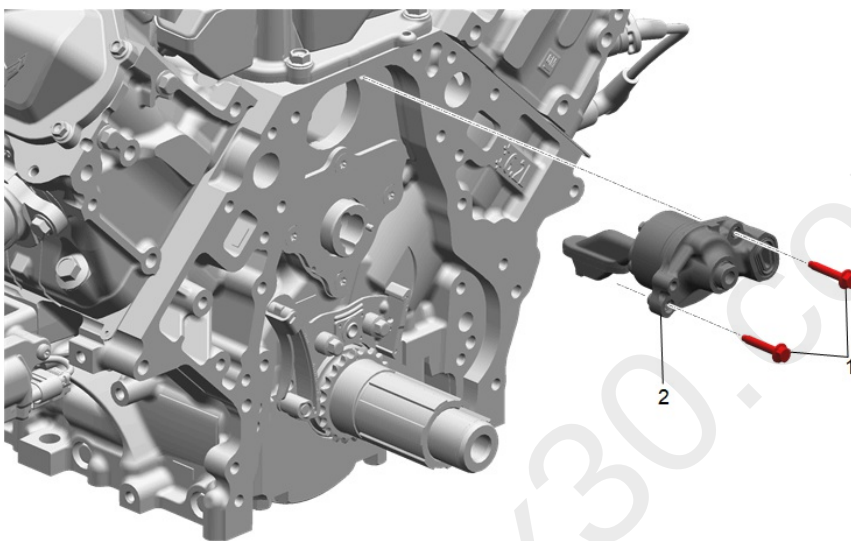
- **SEARCH**

1. **Engine/Propulsion**
2. **Engine Mechanical - 6.2L (LT2)**
3. **Repair Instructions**
- 4.

## Oil Pump Replacement - Upper

### **Removal Procedure**

1. Camshaft Position Actuator >> Remove - Camshaft Timing Chain Component Removal and Installation



2. [Click here for full size](#)
3. Oil Pump Bolt (1) >> Remove [2x]
4. Oil Pump - Upper (2) >> Remove

### **Disassemble Procedure**

1. [Click here for full size](#)
2. Note:  

The oil pump suction pipe only need serviced if components appear to be worn or damaged, replace as necessary.
3. Oil Pump Suction Pipe Bolt >> Remove
4. Oil Pump Suction Pipe >> Remove
5. Oil Pump Housing Gasket >> Remove and DISCARD

### **Cleaning and Inspection Procedure**

1. [Click here for full size](#)
2. Note:

The internal components of the oil pump assembly are not serviced separately. If the internal oil pump components appear to be worn or damaged, replace the oil pump as an assembly.

3. Clean the exterior and passages with solvent.

4. Warning:

Refer to Safety Glasses and Compressed Air Warning.

5. Dry the components with compressed air.

6. Inspect the oil pump front housing (1) and rear housing (2) for cracks, excessive wear, scoring, or casting/machining imperfections.

7. Inspect the oil pump shaft (3) for looseness, cracks, excessive wear, scoring, or casting/machining imperfections.

8. Inspect housing to engine front cover gasket surface (4) for cracks, excessive wear, scoring, or casting/machining imperfections.

9. Inspect suction pipe sealing area (5) and the screen (6) for cracks, excessive wear, scoring, or casting/machining imperfections.

10. Inspect pump and suction pipe oil passages for debris or blockages.

11. Inspect the pump to suction pump sealing area (7) for cracks, excessive wear, scoring, or casting/machining imperfections.

## Assemble Procedure

1. [Click here for full size](#)

2. Note:

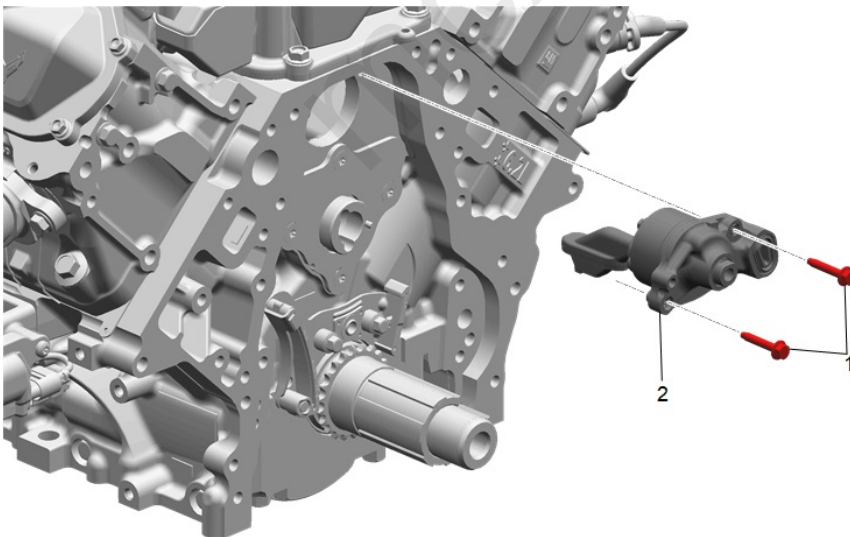
The oil pump suction pipe only need serviced if components appear to be worn or damaged, replace as necessary.

3. Oil Pump Housing Gasket >> Install NEW

4. Oil Pump Suction Pipe >> Install

5. Oil Pump Suction Pipe Bolt >> Install and tighten 8.5 N-m (75 lb in)

## Installation Procedure



1.

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2. Caution:

Refer to Fastener Caution.

3. Oil Pump - Upper (2) >> Install
4. Oil Pump Bolt (1) >> Install and tighten 10 N-m (89 lb in) [2x]
5. Camshaft Position Actuator >> Install - Camshaft Timing Chain Component Removal and Installation

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