

2022 CHEVROLET CORVETTE SERVICE MANUAL

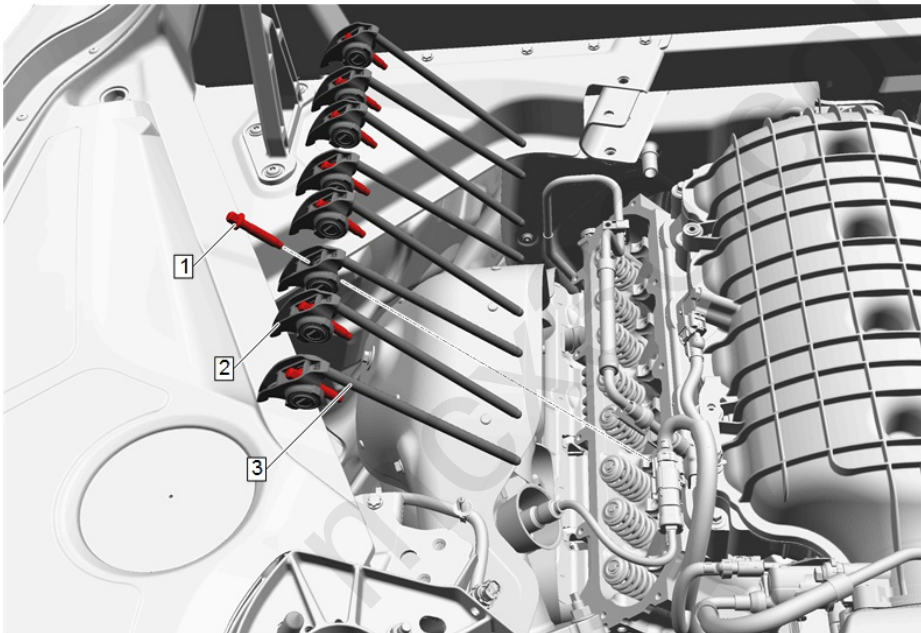
- SEARCH

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

Valve Rocker Arm and Push Rod Replacement

Removal Procedure

1. Remove the appropriate valve rocker arm cover:
2.
 - Valve Rocker Arm Cover Replacement - Left Side
 - Valve Rocker Arm Cover Replacement - Right Side

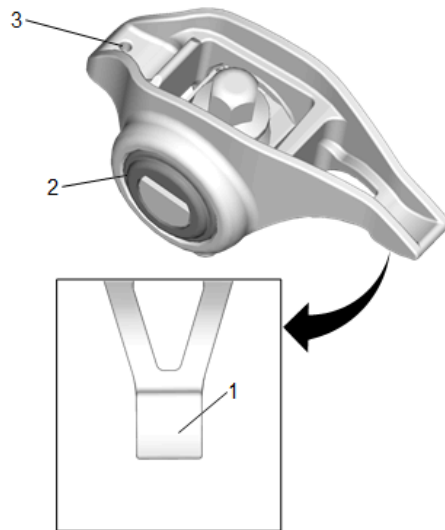


3.
 - [Click here for full size](#)
4. Note:

The bolt is separated from the valve rocker arm for visual purposes only. It is not necessary to separate these components once they are removed.

5. Valve Rocker Arm (2) & Valve Rocker Arm Pivot Support Bolt (1) >> Remove
6. Valve Push Rod (3) >> Remove

Cleaning and Inspection Procedure

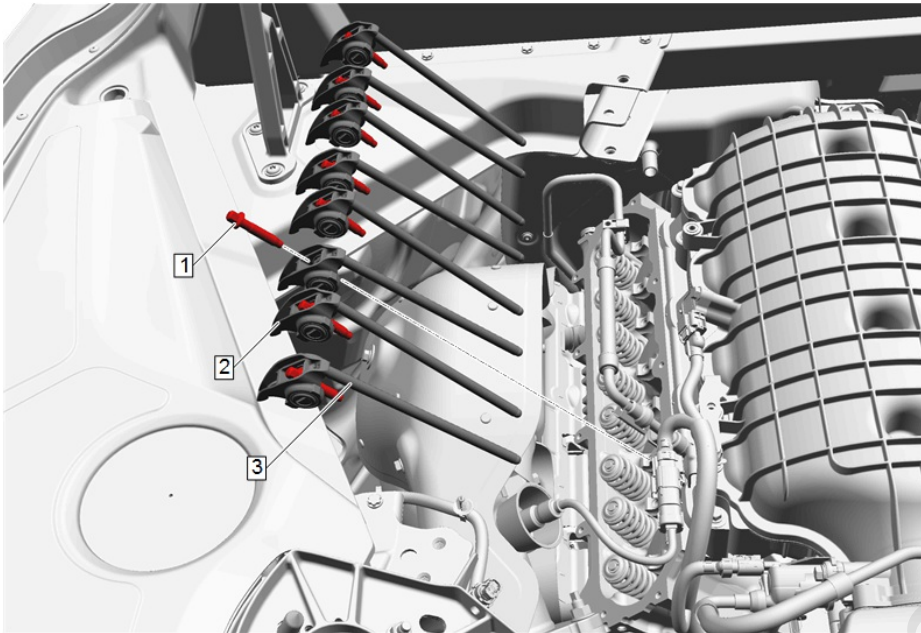


1. [Click here for full size](#)
2. Note:

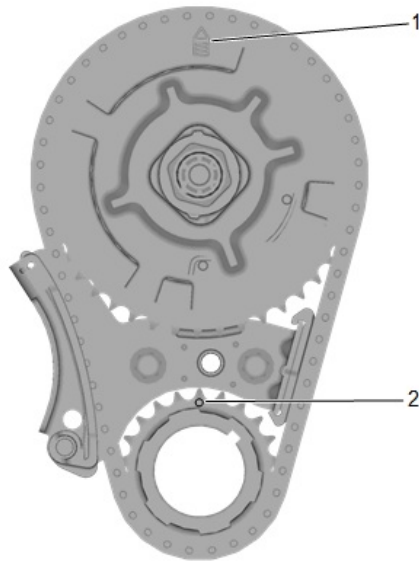
Parts that are to be used again must be marked, sorted or organized for assembly.
3. Mark, sort, or organize the components for assembly. Separating Parts
4. Clean the components with cleaning solvent.
5. Warning:

Refer to Safety Glasses and Compressed Air Warning.
6. Dry the components with compressed air.
7. Inspect the valve rocker arms bearings (2) for binding or roughness.
8. Inspect the valve rocker arm push rod sockets (3) and valve stem mating surfaces (1). These surfaces should be smooth with no scoring or exceptional wear.
9. Inspect the push rods for worn or scored ends. These surfaces should be smooth with no scoring or exceptional wear.
10. Inspect the push rods for bends. Roll the push rod on a flat surface to determine if the push rod is bent.
11. Inspect the push rod oil passages for restrictions.
12. Inspect the rocker arm pivot supports for cracks, wear, or other damage.

Installation Procedure



1. [Click here for full size](#)
2. Note:
 - When using the valve train components again, always install the components to the original location and position.
 - Valve lash is net build. No valve adjustment is required.
 - Lubricate the flange of the valve rocker arm bolts with clean engine oil.
 - Lubricate the valve rocker arms and push rods with clean engine oil.
 - Ensure the push rods seat properly to the valve lifter sockets.
 - The rocker arm bolts are not serviced separately.
 - Ensure the push rods seat properly to the ends of the rocker arms.
 - Do NOT tighten the rocker arm bolts at this time.
3. Valve Push Rod (3) >> Install
4. Valve Rocker Arm (2) & Valve Rocker Arm Pivot Support Bolt (1) >> Install



5. [Click here for full size](#)
6. Rotate the crankshaft until number 1 piston is at top dead center of compression stroke.
7. In this position, cylinder number 1 rocker arms will be off lobe lift, and the crankshaft sprocket key will be at the 1:30 position. The camshaft and crankshaft sprocket alignment marks (1, 2) will be in the 12 o'clock position. If viewing from the rear of the engine, the additional crankshaft pilot hole, non-threaded, will be in the 10:30 position.
8. The engine firing order is 1, 8, 7, 2, 6, 5, 4, 3.
9. Cylinders 1, 3, 5, and 7 are left bank.
10. Cylinders 2, 4, 6, and 8 are right bank.
11. **Caution:**
Refer to Fastener Caution
12. With the engine in the number 1 firing position, tighten the following valve rocker arm bolts:
13.
 1. Tighten the exhaust valve rocker arm bolts 1, 2, 7, and 8 to 30 N-m (22 lb ft).
 2. Tighten the intake valve rocker arm bolts 1, 3, 4, and 5 to 30 N-m (22 lb ft).
14. Rotate the crankshaft 360 degrees.
15. Tighten the following valve rocker arm bolts:
16.
 - Tighten the exhaust valve rocker arm bolts 3, 4, 5, and 6 to 30 N-m (22 lb ft).
 - Tighten the intake valve rocker arm bolts 2, 6, 7, and 8 to 30 N-m (22 lb ft).
17. Install the appropriate valve rocker arm cover:
18.
 - Valve Rocker Arm Cover Replacement - Left Side
 - Valve Rocker Arm Cover Replacement - Right Side