

2022 CHEVROLET CORVETTE SERVICE MANUAL

- SEARCH

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

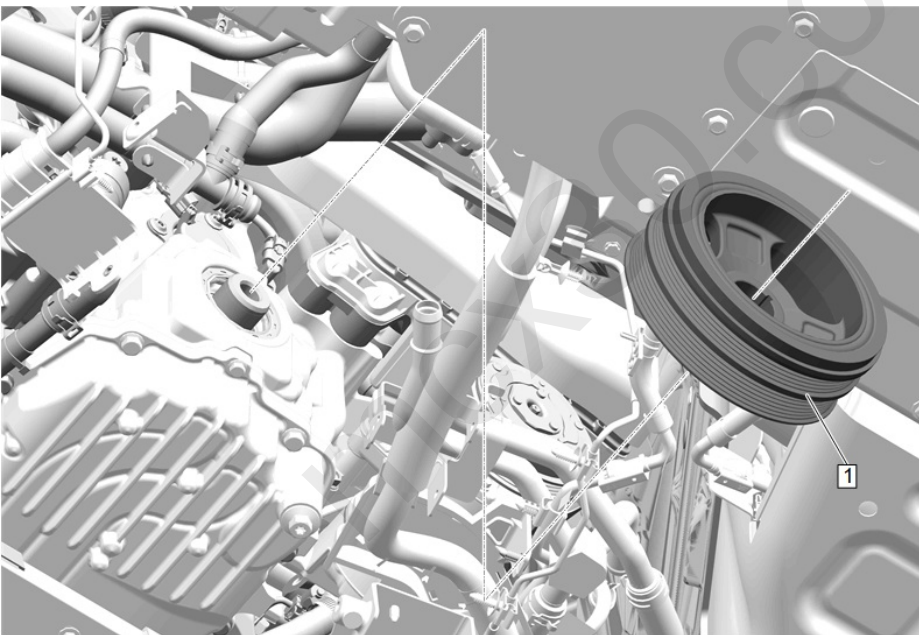
Crankshaft Front Oil Seal Replacement

Special Tools

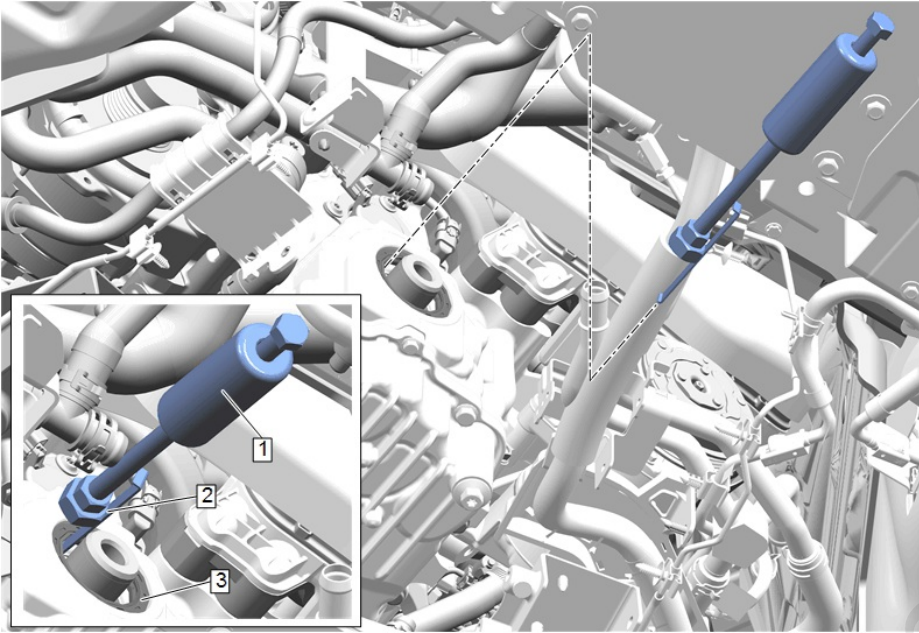
- *EN-51096*, Seal Remover
- *GE-23907-1*, Slide Hammer
- *EN-41478-A*, Crankshaft Front Oil Seal Installer

Equivalent regional tools: Special Tools

Removal Procedure

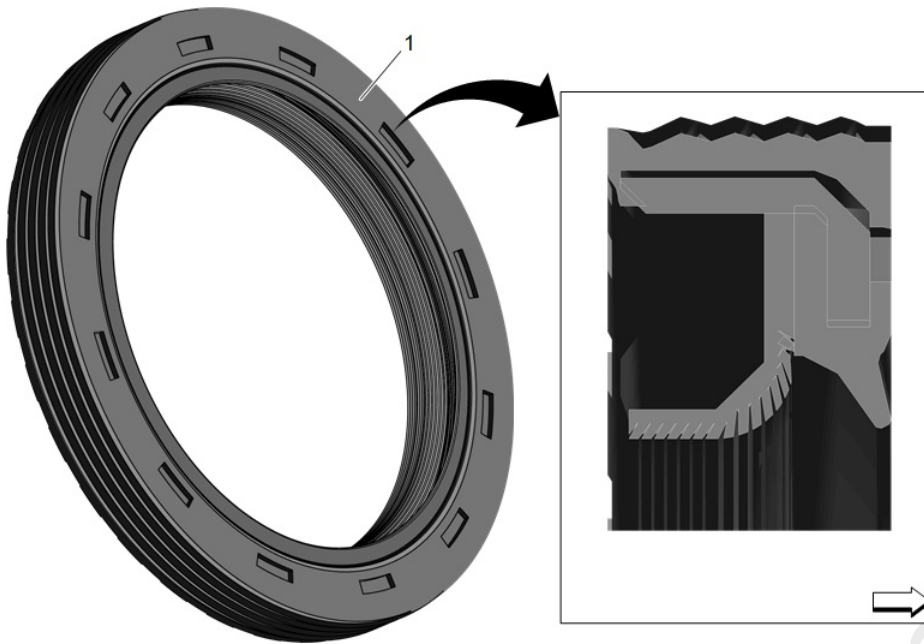


1. [Click here for full size](#)
2. Crankshaft Balancer (1>) >> Remove - Crankshaft Balancer Replacement



3. [Click here for full size](#)
4. Note:
EN-51096 Seal Remover has two ends. The end with the small bend will be used to remove the seal.
5. *EN-51096* Seal Remover(2) @ *GE-23907-1* Slide Hammer(1) >> Assemble
6. Note:
Ensure that the small bend of *EN-51096* Seal Remover engages the rear side of the crankshaft front oil seal.
7. Slide the small bend of *EN-51096* Seal Remover between the lip of the front seal and the crankshaft.
8. While rotating *EN-51096* Seal Remover and *GE-23907-1* Slide Hammer around the seal, use the slide hammer to loosen the seal.
9. Crankshaft Front Oil Seal(3) >> Remove and DISCARD

Installation Procedure

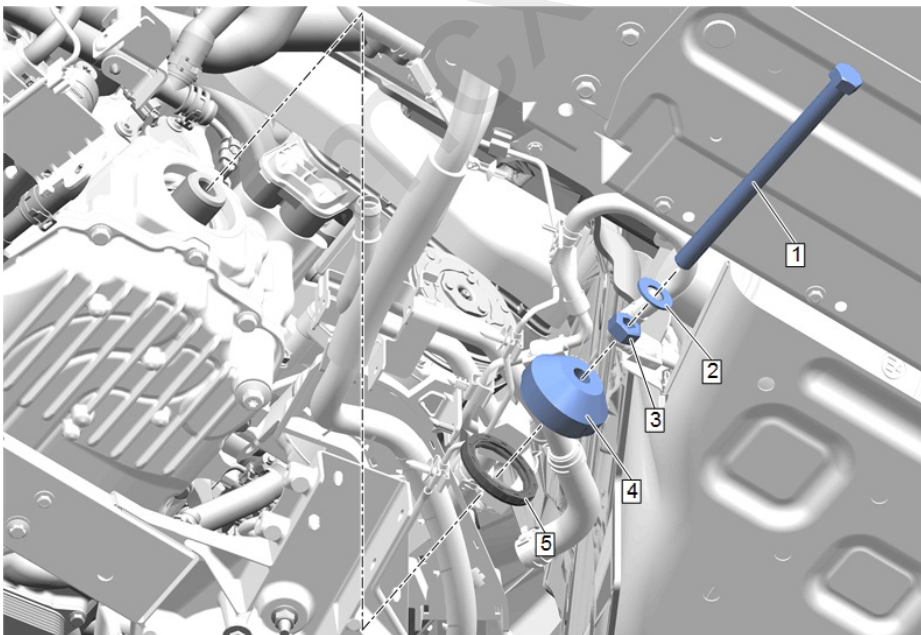


1.
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2. Note:

For proper orientation, note the installation direction of the oil seal. The oil seal is a reverse-lip design.

3. Inspect the crankshaft front oil seal (1) for proper orientation.



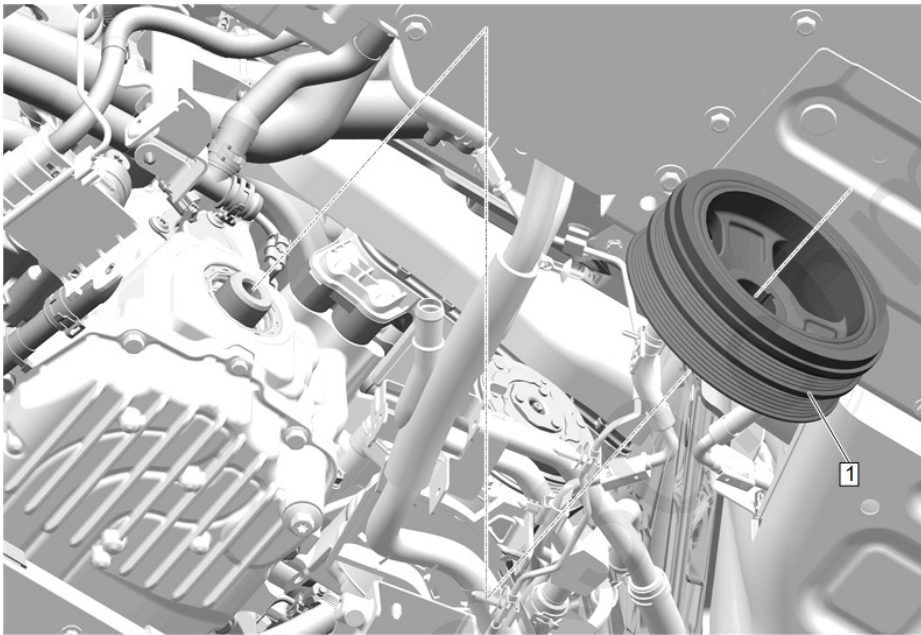
4.
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5. Bolt (1>), Nut (3>) and Washer (2>) @ *EN-41478-AA*, Å Crankshaft Front Oil Seal Installer(4>) >> Assemble

6. Note:

Do not lubricate the oil seal sealing surface.

7. Crankshaft Front Oil Seal (5>) @ *EN-41478-AA*,Â Crankshaft Front Oil Seal Installer(4>) >> Install NEW
8. Use the *EN-41478-AA*,Â Crankshaft Front Oil Seal Installer to install the crankshaft front oil seal (5) into the cover bore.
9.
 1. Use a wrench and hold the hex on the installer bolt.
 2. Use a second wrench and rotate the installer nut clockwise until the seal bottoms in the cover bore.
 3. Remove the special tools.
 4. Inspect the oil seal for proper installation. The oil seal should be installed evenly and completely into the front cover bore.



10.

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11. Crankshaft Balancer (1>) >> Install - Crankshaft Balancer Replacement