

2022 CHEVROLET CORVETTE SERVICE MANUAL

- **SEARCH**

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

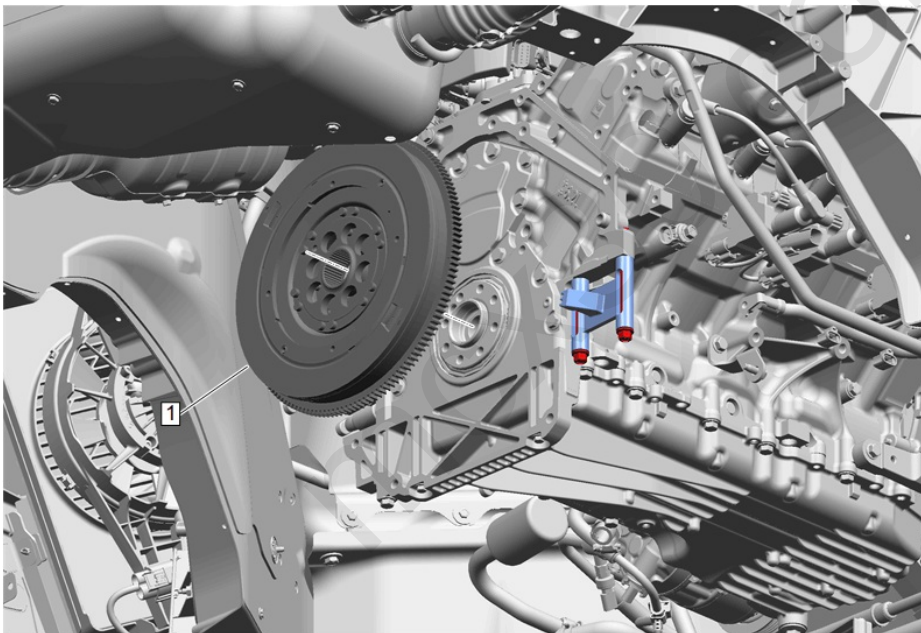
Crankshaft Rear Oil Seal Replacement

Special Tools

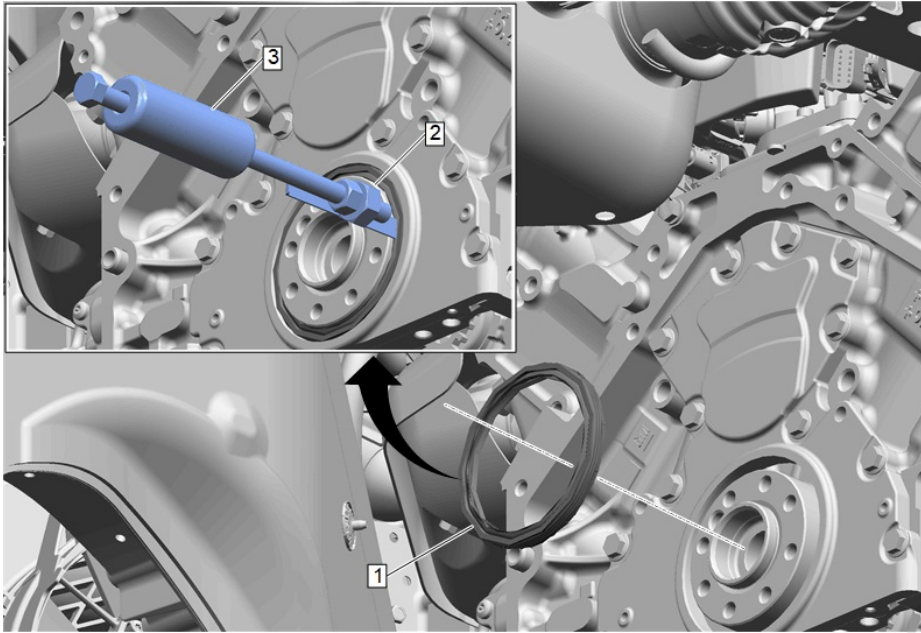
- *EN-51096*, Crankshaft Rear Seal Remover
- *GE-23907-1*, Slide Hammer
- *J-41479*, Crankshaft Rear Oil Seal Installer

Equivalent regional tools: Special Tools

Removal Procedure

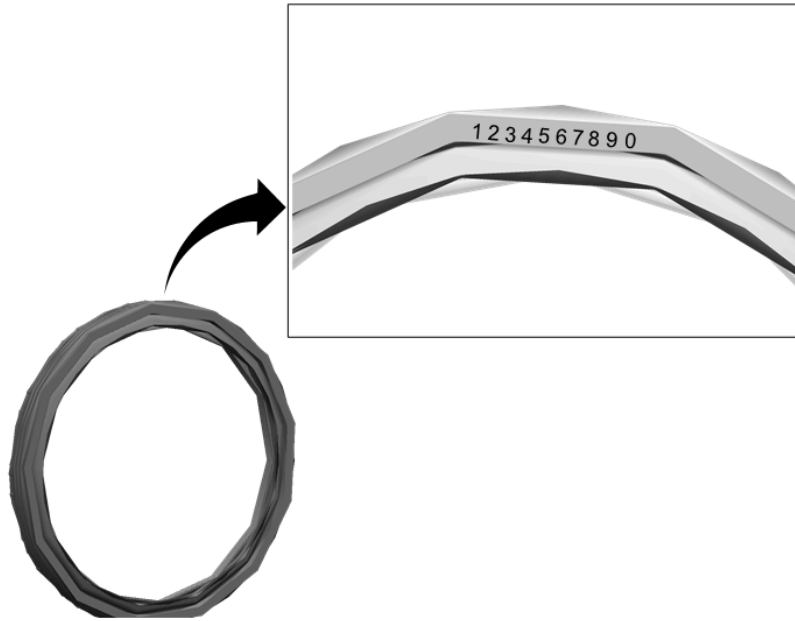


1.
Click here for full size
2. Flywheel Dampener (1) >> Remove - Flywheel Dampener Replacement

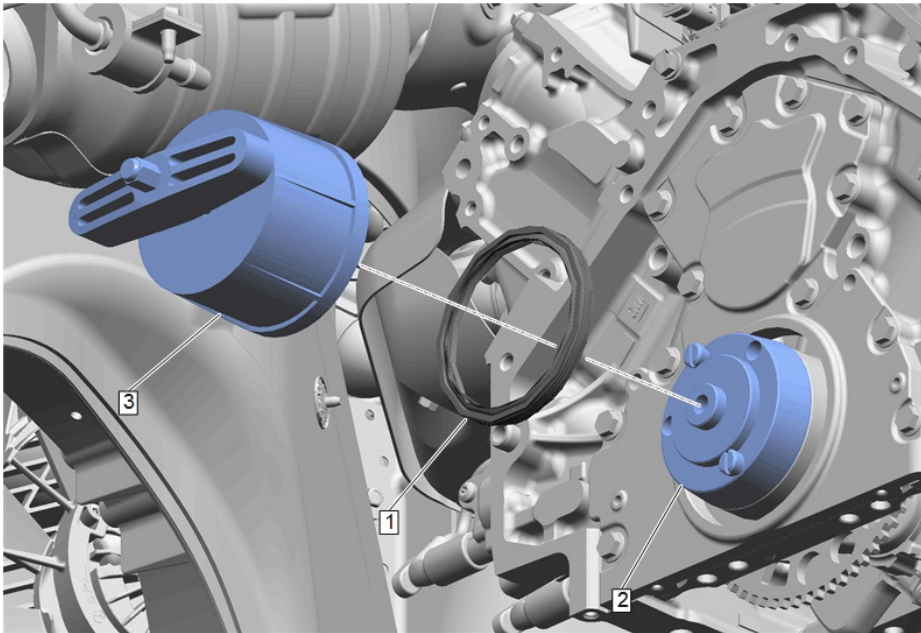


3. [Click here for full size](#)
4. Install *EN-51096* Crankshaft Rear Seal Remover (2) onto *GE-23907-1* Slide Hammer (3).
5. Note:
EN-51096 Crankshaft Rear Seal Remover has two ends. The end with the small bend will be used to remove the seal.
6. Slide the small bend of *EN-51096* Crankshaft Rear Seal Remover (2) between the lip of the crankshaft rear oil seal (1) and crankshaft. Ensure that the small bend of *EN-51096* Crankshaft Rear Seal Remover (2) engages the rear side of the crankshaft rear oil seal (1). While rotating *EN-51096* Crankshaft Rear Seal Remover (2) and *GE-23907-1* Slide Hammer (3) around the seal and, remove the seal.

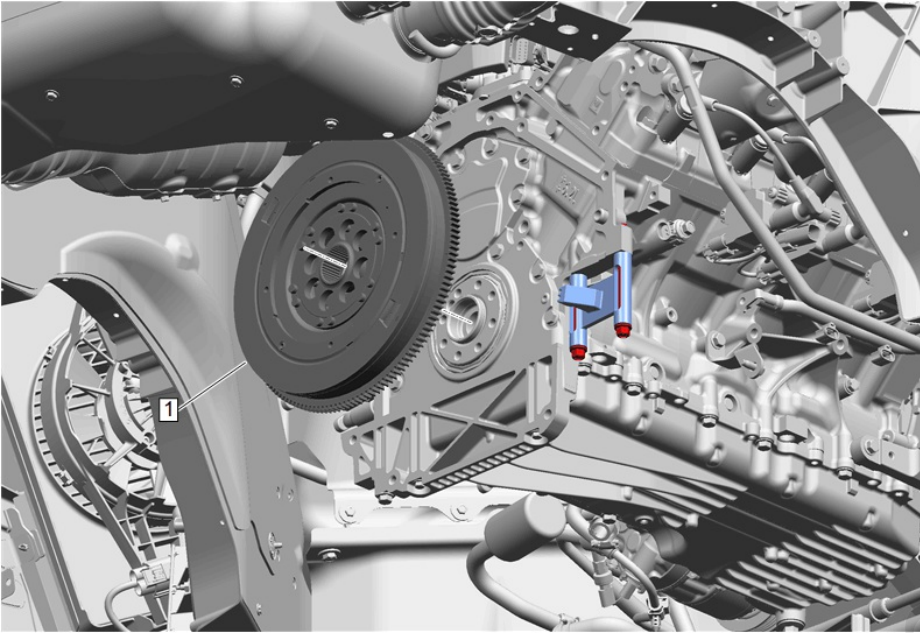
Installation Procedure



1. [Click here for full size](#)
2. Note:
 - For proper orientation, note the installation direction of the oil seal. The oil seal is a reverse-lip design.
 - The part number is applied to the outside face of the seal, as shown.
3. Inspect the seal and identify the part number markings for proper orientation.
4. Note:
 - Do not lubricate the oil seal inside diameter (ID) of the crankshaft surface.
 - Do not reuse the crankshaft rear oil seal.
5. Lubricate the outside diameter (OD) of the crankshaft rear oil seal with clean engine oil.
6. DO NOT allow oil or other lubricants to contact the seal surface.
7. Lubricate the crankshaft rear oil seal bore with clean engine oil.
8. DO NOT allow oil or other lubricants to contact the crankshaft surface.



9. [Click here for full size](#)
10. Install the *J-41479* Crankshaft Rear Oil Seal Installer cone (2) and bolts onto the rear of the crankshaft.
 11. Tighten the bolts until snug. Do not overtighten.
 12. Install the crankshaft rear oil seal (1) onto the tapered cone (2) and push the seal to the rear cover bore.
 13. Thread the *J-41479* Crankshaft Rear Oil Seal Installer threaded rod into the tapered cone until the tool (3) contacts the oil seal.
 14. Align the crankshaft rear oil seal (1) onto the tool (3).
 15. Rotate the handle of the tool (3) clockwise until the seal enters the rear cover and bottoms into the cover bore.
 16. Remove the *J-41479* Crankshaft Rear Oil Seal Installer (3).



17.

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18. Flywheel Dampener (1) >> [Install - Flywheel Dampener Replacement](#)