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## GVW-191

### Flywheel Seal Install Tool


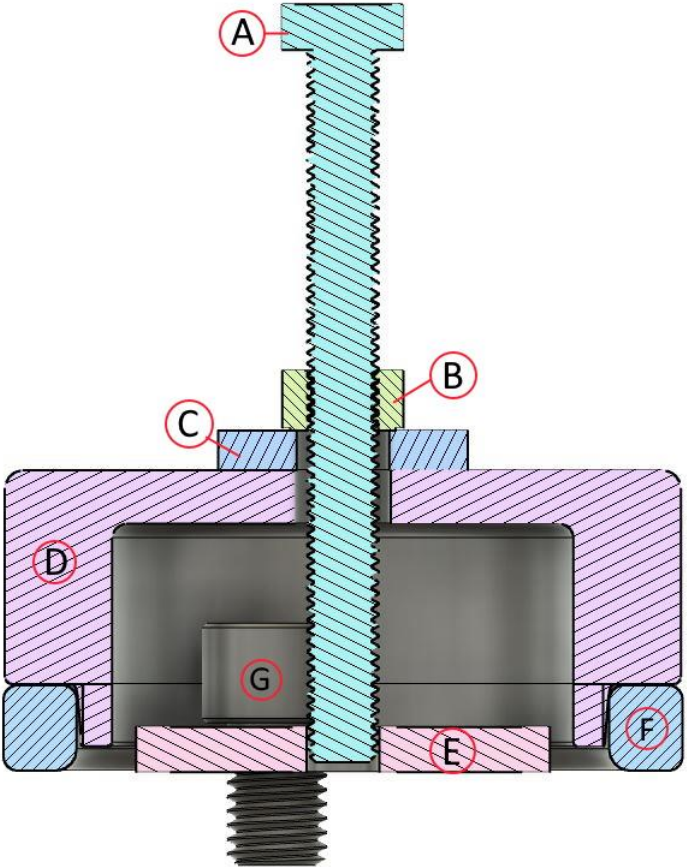
1972- 1979 Bus and 1980-1991 Vanagon Engines

If you are getting ready for a new rear main seal this is the tool to push you in the right direction. This handy piece of kit attaches to the crankshaft with the original flywheel bolts to make sure your new seal is perfectly centered. The cup also ensures the seal is pressed to the right depth so that your flywheel does not destroy a brand-new seal. This tool replaces the Volkswagen tool VW191 and works for all type 4 engines including late Busses and Vanagons.

#### Tools Needed

- 19mm Ratchet or Wrench
- 19mm Box End Wrench
- Size 10 Hex Key or Socket
- Seal Lubricant (we use [Reinzosil](#))
- Emery or fine sandpaper

**DISCLAIMER:** This kit has been designed for easy installation. However, this seal is critical to keeping the engine lubrication system operational. The installation of this kit is *not* within everyone's ability. Read through these instructions carefully and decide if installing it is for you. If not, please take your vehicle engine to an automotive mechanic.

Hardware List 	Tool Side Profile Diagram
<p>A: (1) 12mm x 1.75 x 100mm bolt B: (1) 12mm x 1.75 Nut C: (1) 12mm Washer D: (1) Tool Cup E: (1) Tool Center</p> <p><b>*Not Included*</b> F: Oil Seal G: Flywheel Bolts</p>	



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## Installation Instructions

- 1) Carefully remove the old seal with a seal puller making sure not to scratch or score the crankcase seal mating surface. Clean the crankcase sealing surface with emery paper or a fine sandpaper, then wipe down all surfaces with a degreaser.
- 2) Install the tool center onto the end of the crank using 2 of the old flywheel bolts. Align the GoWesty van with the alignment pin on the end of the crankshaft. Make sure the tool center is centered on the end of the crankshaft and snug the flywheel bolts down.
- 3) Place the M12 nut onto the M12 bolt and thread it most of the way up the bolt. Then place the M12 washer on the bolt, followed by the cup portion of the tool.
- 4) Apply a thin layer of Reinzosil (or similar) onto the seal and slide it onto the cup with the flat side of the seal in contact with the cup. Thread the bolt assembly into the center portion of the tool on the end of the crankshaft.
- 5) Slide the seal and cup down the shaft until the seal contacts the crankcase, then thread the nut and washer down the bolt until they contact the cup.
- 6) Make sure the seal and cup are not cockeyed. Place the box end wrench on the nut and use a socket or wrench on the bolt head to prevent it from turning. Slowly tighten down the nut until the seal is seated. **DO NOT COMPRESS THE SEAL PAST A GENTLE HAND TIGHT**
- 7) With the seal installed, the bolt can be loosened and removed from the tool center. Finally, remove the flywheel bolts and the tool center.

**Note: Only use OEM Oil Seal 029-105-245**

**Always replace flywheel bolts with NEW OEM N-902-268-01 torqued to 81ft-lbs/110Nm**

**You're Done!**