



## Condition

**ATTENTION:**

**THIS IS A TECH TIP, NOT A TECHNICAL BULLETIN.  
TECH TIPS ARE NOT ASSOCIATED WITH WARRANTY CLAIMING.**

### Applicable Vehicles

Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To
All	2000- 2020	All	All	All	All

### Revision Table

Instance Number	Published Date	Version Number	Reason For Update
2060440/1	8/7/2020	13-20-01TT	Original publication.

## Technical Background

Manufacturing processes may vary by model, engine or assembly location. Not all replacement engines are prefilled with oil. Repairs also create a lack of necessary lubrication. Utilize the following procedure to prevent starting with a lack of lubrication, which could result in engine damage. Pressurizing the oil circuits before starting the engine will ensure lubrication that will protect the internal components from damage during the first rotation of the crankshaft when the engine starts.

## Service

During new or rebuilt engine installation or after internal repairs, when first filling with oil, the turbo housing should also be filled with oil at the upper banjo bolt aperture.

- Manually rotate the crankshaft a couple of 360° rotations by hand.
- Connect a battery charger, remove the fuel pump fuse and crank the engine for a minimum of 10 seconds.
- Repeat the cranking procedure without the fuel pump fuse 3 times, allowing the starter to cool between each cranking cycle.

This is done in order to allow the oil pressure to build and to circulate the oil before allowing engine to run. Also be sure to perform guided functions procedures outlined in ELSA, after repair work (chain replacement, engine replacement, etc).



13-20-01TT - Engine Oil Pressure - Priming

Release date: 08/07/2020

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## Additional Information

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