

## STAR ONLINE PUBLICATION

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**Case Number:** S1909000002

**Release Date:** 05/28/2020

**Symptom/Vehicle Issue:** Customer complaint may include an overfilled engine crankcase after an oil change.

**Discussion:** Updated oil level check procedure for 3.6L Pentastar Upgrade engines

The 3.6L Pentastar Upgrade engine typically uses a smaller oil pan for most applications versus the 3.6L Pentastar Classic, resulting in an engine oil capacity of five (5) quarts for the Upgrade engine.

**NOTE:** There are currently a couple of exceptions to the above statement: 2016-to-current Jeep Grand Cherokee (WK) and Dodge Durango (WD), equipped with the 3.6L Upgrade engine have a unique oil pan size and configuration that give them an engine oil capacity of six (6) quarts.

**Please be sure to check published service information to verify specifications for the specific vehicle you are working on as oil pan sizes and configurations may change.**

If you are unsure whether or not a 3.6L Pentastar engine is an Upgrade or a Classic, an easy way to tell the difference between the two engines is that the Upgrade has an EGR cooler mounted to one of the cylinder heads, and a variable valve lift (VVL) solenoid on the front of each valve cover.

This document does not authorize warranty repairs. This communication documents a record of past experiences. STAR Online does not provide any conclusions about what is wrong with the vehicle. Rather, it captures all previous cases known that appear to be similar or related to the vehicle symptom / condition. You are the expert, and you are responsible for deciding on the appropriate course of action.

**Contact STAR Center, or your Technical Assistance Center Via TechCONNECT or eCONTACT ticket if no solution is found**

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**Verification:** The engine oil level should be checked five minutes after a warmed-up engine has been shut off.

**Engine crankcase overfilling can occur if not enough time is allowed for the engine oil to drain back into the oil pan.**

Ensure the oil level is correct before releasing the vehicle to the customer.

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