

## STAR On-Line Case

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**Case Number:** S2209000002

**Release Date:** March 2022

**Symptom/Vehicle Issue:** Customer complaints may include abnormal engine noise, rough idle, lack of power, misfire. When performing diagnosis, an internal engine concern may be suspected.

**Diagnosis:** If an internal engine problem is identified, further inspection should be performed before attempting repair. Removal of the Oil Control Valve (OCV) for the Variable Valve Timing (VVT) system should be performed to inspect for debris at the filter screens.

**Repair Procedure:** Remove the OCV per the service procedure found in TechCONNECT and inspect the screens for metal debris. If debris is found (Pic 1), engine replacement is required. Note: Warranty Pre-Authorization requirements may apply.



Pic 1

This document does not authorize warranty repairs. This communication documents a record of past experiences. STAR Center 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 ECCI or eCONTACT ticket if no solution is found**

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If no debris is found (Pic 2), additional diagnosis may be necessary to determine root cause and proper repair.



Pic 2

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