

MDEG Exhaust Camshaft

COMMUNICATION:

FIELD SOLUTION: Fix as failed - replace exhaust camshaft

PUBLISH DATE: N/A

TOPIC BACKGROUND:

PRIMARY EFFECT:

- CEL for 636/2 No Match of Camshaft and Crankshaft Signals
- Trouble shooting will lead to checking camshaft timing which will usually be correct. The tone wheel on the back side of the exhaust cam gear will be shifted and can be seen by comparing the location of the hole on the gear vs the hole on the tone wheel. They will not be lined up.

AFFECTED MODELS:

- DD5 and DD8 engines

VISUALIZATION:



PROGRESS UPDATES:

- There have been some recent occurrences with exhaust camshafts produced in 2025. The quality of the oil was brought into question. We will continue to monitor failures.

TOPIC RESOLUTION INFORMATION:

PRODUCTION CHANGEOVER WEEK/MONTH:

- N/A

RESOLUTION:

- Very low failure rate (0.6%) but some repeat occurrences have prompted further investigation into this condition.
- It was determined through conversations with our German colleagues that there was an issue with how the service stock was being assembled in Germany.
 - ☐ The bolt holding the cam gear to the camshaft tube was not being torqued sufficiently.
 - ☐ This was corrected with service stock build dates of 12/15/2024 and newer.