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IMPORTANT WARRANTY INFORMATION

REF **16-008**
 Effective 03/21/2016
 Release 03/21/2016
 SUBJECT New Detroit Bearing Failure Analysis Standard Diagnostic Time

❖ **Overview**

In the continued partnership with the Joint Application Development (JAD) committee to simplify the repair and claims submittal processes for the service network, DTNA is pleased to announce a Detroit Lower End Bearing Failure Analysis Standard Diagnostic Time (SDT) now available for immediate use.

❖ **New SDT**

Detroit created SDT 013504E for the review and completion of the DD Platform Bearing Failure Guide (DDC-SVC-MAN-0196). The SDT includes all necessary steps to review, inspect, and determine the primary failed part (PFP) in a lower end bearing failure on a Heavy Duty Engine Platform (HDEP) engine. The table below provides the new SDT and applicable engine series, respectively.

SDT	Applicable Engine Series
Lower End Bearing Failure Analysis 013504E	<ul style="list-style-type: none"> DD13, D13E10, DD13GHG14 DD15, D15E10, DD15GHG14AT, DD15GHG14TC D16E10, DD16GHG14 DD13GHG17, DD15GHG17AT, DD16GHG17

The table on page 2 identifies what is included in the new SDT. To claim diagnostic time that was required beyond the SDT, use General Diagnostic Time (labor code 939-1010E) and provide a detailed explanation in the appropriate claim narrative section; please see Important Warranty Information (IWI) letter 15-003 for more information about applying General Diagnostic Time.

The SDT is also available in the applicable Labor Time Guide as well as at www.ddcsn.com > Warranty > Warranty Applications > Warranty System > Labor > SRTs > SRT Search. Any questions or feedback regarding SDT/SRT usage may be addressed through the Warranty Support Center > Detroit Inquiries.

IMPORTANT WARRANTY INFORMATION LETTER

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❖ Labor
 Operation

Lower End Bearing Failure Analysis

10.7 Hours

013504E

Lower End Bearing Failure Analysis

- Read and follow the DD Platform Bearing Failure Guide (DDC-SVC-MAN-0196)
- Complete the Driver Questionnaire
- Vehicle and engine visual inspection
- Retrieve fault codes and DDEC reports
- Oil filter and oil filter standpipe inspection
- Drain and inspect the lubricating oil
- Remove oil pan and inspect
- Remove oil pump and suction manifold and inspect
- Lower end bearing removal and inspection (rods and mains)
- Determination of PFP based on inspection and documenting photographs
- Reinstall the lower end bearings, oil pump, suction manifold, and oil pan as required, based on if the engine is being repaired or replaced

Notes:

- The bearing failure analysis should only be completed if a lower end bearing failure is suspect. Some complaints that are associated with a lower end bearing failure include: rod out of block, engine seized, no crank, and noisy or knocking.
- All results and values from completing the bearing failure guide must be included in the claim narrative
- Use SDT 021000G (Test E Completion) on claims where the lower end bearing failure was due to reverse engine rotation, see IWI letter 15-017; do not apply SDT 013504E also
- To claim diagnostic time that was required beyond the SDT, use General Diagnostic Time (labor code 939-1010E) and provide a detailed explanation in the appropriate claim narrative section; please see IWI letter 15-003 for more information about applying General Diagnostic Time.

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