



Technical Service Bulletin: TSB260092

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Alternate Viscous Damper Inspection Procedure

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Warranty Statement

The information in this document has no effect on present warranty coverage or repair practices, nor does it authorize TRP or Campaign actions.

Contents

Product Affected

- B6.7 CM2450 B155B

Issue Summary

Symptom:

- Vibration

Verification

Perform inspection procedure to check for viscous vibration damper malfunction.

Resolution

An alternate inspection procedure can be used to determine if the viscous vibration damper meets reuse criteria.

B6.7 Viscous Vibration Damper (On-Engine) Inspection

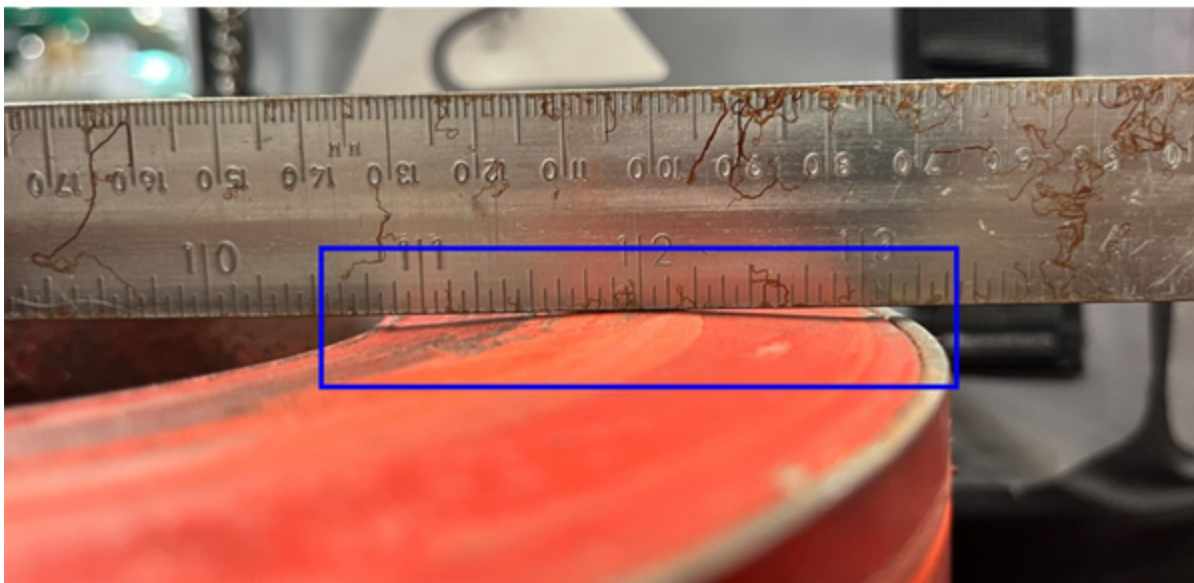
The viscous vibration damper is filled with a silicon fluid. In some cases, the fluid can become thicker and expand, bulging the viscous vibration damper.

The crankshaft speed indicator ring is part of the viscous vibration damper assembly and **must not** be removed from the viscous vibration damper .

Do **not** reuse the mounting hardware during a viscous vibration damper replacement .

Figure 1 is an example of a malfunctioning viscous vibration damper.

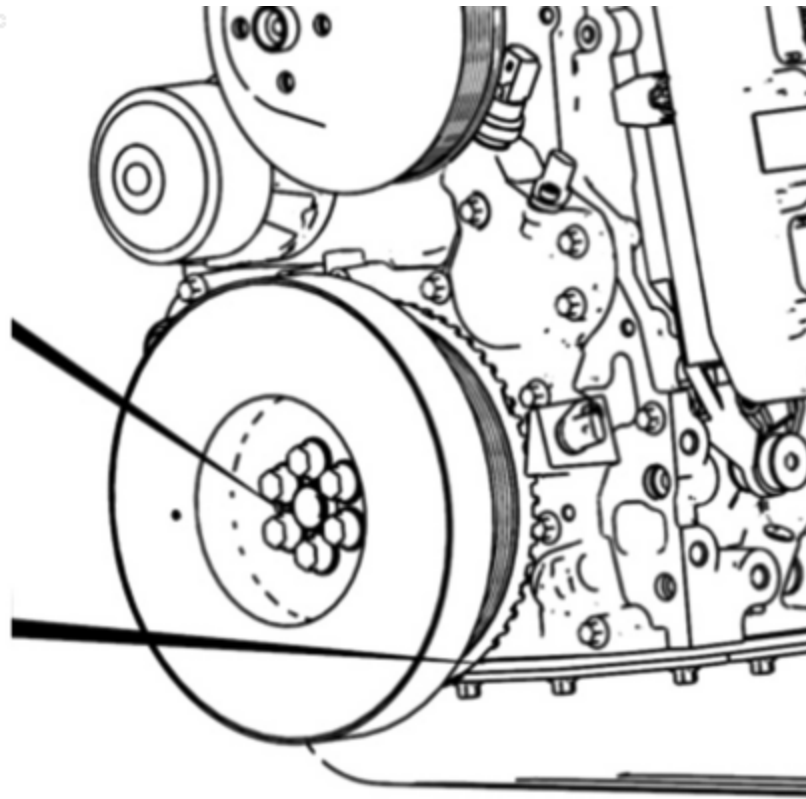
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Figure 1, Example of a malfunctioning viscous vibration damper

Visually check for loose or missing mounting hardware. If loose or missing hardware is found, see Technical Service Bulletin, Repeat Viscous Vibration Damper Capscrew Fracture Malfunctions and Viscous Vibration Damper Replacement, TSB210097, to replace the viscous vibration damper and mounting hardware.



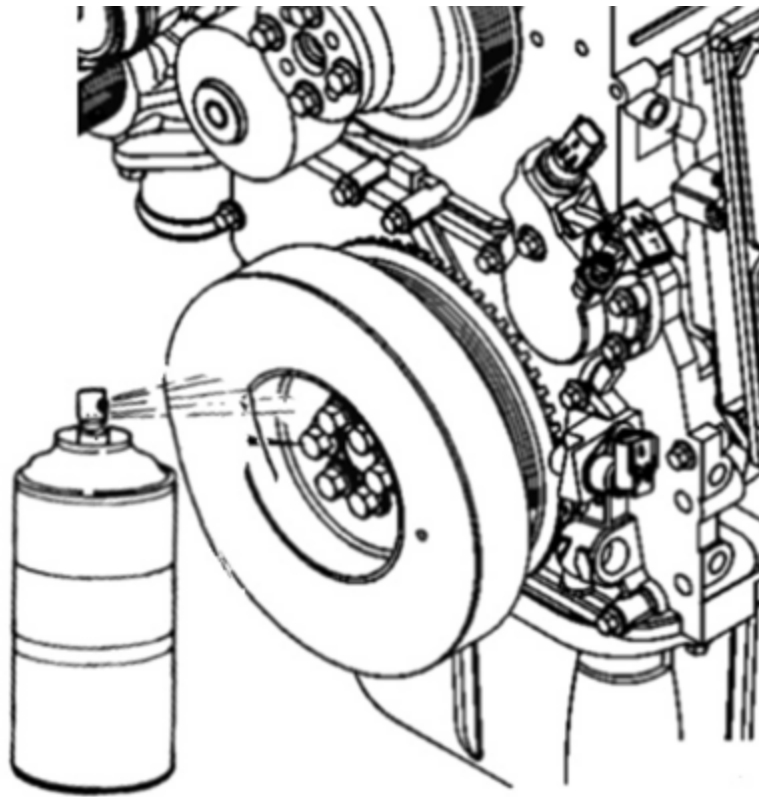
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Figure 2, Visual mounting hardware check

On Engine Inspection

Refer to Figure 3. Clean the face of the viscous vibration damper.

Check for any raised surfaces or dents in the viscous vibration damper. Rotate the engine to inspect the entire circumference of the viscous vibration damper



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Figure 3, Clean the face of the viscous vibration damper

Refer to Figure 4. Place a straight edge across the face of the viscous vibration damper in several locations to check for signs of bulging. The best view of the straight edge is to put a flashlight above and look at it from under the truck.

If bulging is identified as in Figure 5 or Figure 6, see Technical Service Bulletin, Repeat Viscous Vibration Damper Capscrew Fracture Malfunctions and Viscous Vibration Damper Replacement, TSB210097, to replace the damper and mounting hardware.



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Figure 4, Example of good damper - light can be seen across the entire damper face on both sides



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Figure 5, Example of damper bulging - replacement is required



17r02717

Figure 6, Example of damper bulging - replacement is required

See B6.7 CM2450 B155B Service Manual, Bulletin 5613229.Refer to Procedure 001-052 in Section 1.

See Technical Service Bulletin, Repeat Viscous Vibration Damper Capscrew Fracture Malfunctions and Viscous Vibration Damper Replacement, TSB210097.

If damage is found on the nose of the crankshaft, see Technical Service Bulletin, Crankshaft Reuse Guidance After Vibration Damper Malfunction, Bulletin TSB230099, for crankshaft reuse guidelines.

Document History

Date	Details
2026-6-22	Module Created

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