



# Technical Service Bulletin

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| <b>Technical Service Bulletin:</b> TSB210097                                                                   | <b>Released Date:</b> 06-May-2021 |
| <b>Repeat Viscous Vibration Damper Capscrew Fracture Malfunctions and Viscous Vibration Damper Replacement</b> |                                   |

## Repeat Viscous Vibration Damper Capscrew Fracture Malfunctions and Viscous Vibration Damper Replacement

### 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

Engines:

- B6.7 CM2350 B121B
- B6.7 CM2350 B135B
- B6.7 CM2350 B148B
- B6.7 CM2450 B155B

Horsepower Rating:

- 220 hp and above

#### Issue:

Symptom:

- Repeated viscous vibration damper mounting capscrew fracture malfunctions

- Viscous vibration damper separation from the crankshaft, resulting in front-end/cooling package damage

**Root Cause:**

- Internal degradation of the viscous fluid of the damper can cause the viscous vibration damper mounting capscrews to fracture.

**Verification**

- Verify viscous vibration damper mounting capscrew fracture malfunction has occurred.
- Verify engine has 220 hp rating or above.

**Resolution**

Install a new viscous vibration damper and viscous vibration damper mounting capscrews. See Service Instructions section.

**Service Instructions**

- Remove viscous vibration damper. See corresponding Service Manual. Reference Procedure 001-052 in Section 1.
- Remove all pieces of the fractured viscous vibration damper mounting capscrews.
- Inspect the following components for damage:
  - Crankshaft nose
  - Crankshaft position sensor
  - Crankshaft vibration damper mounting threads
- Install a new viscous vibration damper and viscous vibration damper mounting capscrews. Reference Procedure 001-052 in Section 1.

## Document History

| Date     | Details        |
|----------|----------------|
| 2021-5-6 | Module Created |

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**Last Modified: 06-May-2021**

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