



Technical Service Bulletin

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TSB230020

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Variable Geometry Turbocharger (VGT) Electronic Actuator Installation and Calibration Did Not Pass

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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 CM2350 B121B
- B6.7 CM2350 B135B
- B6.7 CM2350 B136C
- B6.7 CM2350 B148B Stop-Start Applications
- B6.7 CM2350 B157C
- B6.7 CM2450 B155B
- ISB6.7 CM2350 B101
- ISB6.7 CM2350 B103
- ISB6.7 CM2350 B142
- ISL9 CM2350 L101
- ISL9 CM2350 L111
- L9 CM2350 L116B
- L9 CM2350 L119B
- L9 CM2350 L120C
- L9 CM2350 L123B
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- L9 CM2450 L126B
- X12 CM2350 X119B
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- X15 CM2350 X114B
- X15 CM2350 X116B
- X15 CM2450 X124B
- X15 CM2450 X134B

Issue Summary

Variable geometry turbocharger (VGT) actuators have been improperly diagnosed as faulty after incorrect install or calibration steps were performed.

Symptom:

- “Failed” message received on VGT Electronic Actuator Installation and Calibration test in INSITE™ electronic service tool
- Active Fault Code 6432, 2449, or 1898

Root Causes:

- The VGT actuator was mounted to the turbocharger during the Install Actuator step.
- Improper alignment of turbocharger sector gear on the turbocharger while mounting the VGT electronic actuator.

Resolution

- See corresponding Service Manual. Reference Procedure 010-134 in Section 10. Reference video link below.
- If VGT electronic actuator Install or Calibrate steps do **not** pass, the installation procedure **must** be started over from the beginning.
- The VGT electronic actuator **must** be removed, unplugged for 30 seconds, and the turbocharger sector gear placed into the correct fully clockwise position.
- If unsuccessful after two attempts, contact 1-800-CUMMINS™ to escalate this issue.

Note : http://tsb.cumminsvirtualcollege.com/230020_en.aspx
(http://tsb.cumminsvirtualcollege.com/230020_en.aspx)

Document History

Date	Details
2023-2-6	Module Created

Date	Details
2023-3-16	Added Fault Code 1898.
2023-3-31	Added video link.

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