



Technical Service Bulletin

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Engine Intake Throttle Actuator Troubleshooting, Fault Codes: 3542, 1228, and/or 5882 accompanied by Fault Code 1117 for 12 VDC Configuration

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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
- L9 CM2450 L126B
- X15 CM2450 X142B

Issue Summary

Symptom:

- Fault Code 1228
- Fault Code 3542
- Fault Code 5882

Root Cause:

- Engine Intake Throttle Actuator and Exhaust Gas Recirculation (EGR) Valve have become locked, valves will ignore command until next key cycle.

Verification

- Verify the vehicle is equipped with a 12 VDC configuration. 24 VDC configurations are **not** affected. Continue with published troubleshooting for 24 VDC configurations.
- Engine Build Date after 01 July 2024.
- Active or multiple inactive counts of Fault Codes: 3542, 1228, and/or 5882 accompanied by Fault Code 1117. If Fault Code 1117 is **not** present this TSB does **not** apply.

Resolution

- 1. Use the recommended Cummins® electronic service tool or equivalent to clear all fault codes.
- 2. Turn keyswitch off and wait 5 minutes.
- 3. Start engine and idle for 2 minutes.
- 4. Perform 10 throttle snaps within 30 seconds.
- 5. Use the recommended Cummins® electronic service tool or equivalent to check for active fault codes.
- 6. If fault codes do **not** return, further troubleshooting or valve replacement is **not** needed.
- 7. If Fault Code 1117 reoccurs, continue with the published troubleshooting.
- 8. If Fault Codes 3542, 1228, and/or 5882 reoccurs without Fault Code 1117, continue with published troubleshooting.

Document History

Date	Details
2026-7-9	Module Created
2026-7-27	Updated Resolution section.