



Technical Service Bulletin

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Engine Noise During or After Snap Throttle	

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Warranty Statement

The information in this document authorizes specific changes to the repair practice for failures covered under product warranty coverages.

Contents

Product Affected

Engine:

- L9 CM2450 L126B
- M15 CM2670 M106B
- M15 CM2670 M108B
- X11 CM2670 X126B
- X12 CM2670 X121B
- X12 CM2670 X136B
- X13 CM2670 X122B
- X15 CM2670 X145B
- Z14 CM2670 Z103B
- Z15 CM2670 Z107B

Issue

Symptom:

- Complaint of engine noise, which is a knock (combustion clatter or pinging), during or after snap throttle and while returning to idle.

Root Cause:

- An audible fuel knock noise is a result of incomplete fueling adaption learning and is not an indication of a malfunction.
- As the vehicle is driven, the engine control module (ECM) will learn the injector characteristics and adjust fueling variables.

Verification

- Verify no other fault codes or symptoms are present.
- Verify engine noise complaint during engine acceleration, deceleration, or returning to idle.
- Verify the unit does **not** have previous fuel knock history (do **not** repeat this procedure).

Resolution

- Connect to the ECM with the recommended Cummins® electronic service tool or equivalent.
- Cylinder cut out test to determine which cylinder/injectors is malfunctioning, usually one injector makes an audible difference.
- While still connected to electronic service tool, carry out an Injector Performance Test and upload .CSV file to EDS session. Refer to Procedure 014-014 in Section 14.
(/qs3/pubsys2/xml/en/procedures/583/583-014-014.html)
- Perform an injector reset on the suspect injector using the recommended Cummins® electronic service tool or equivalent. See L9 CM2450 L126B Service Manual, Bulletin 5613077. Refer to Procedure 006-026 in Section 6
(/qs3/pubsys2/xml/en/procedures/583/583-006-026.html).
- If noise is still present, perform a diagnostic road test, utilize a route that incorporates both stop and go city type driving and steady state highway type driving. Motoring events are recommended in the route, as they help the injectors adjust. Allow for cooling time after road test to verify solution.
- If engine noise is still present, continue with published troubleshooting

Document History

Date	Details
2021-2-11	Module Created
2022-4-19	Updated Symptom, Verification, and Resolution.
2022-5-20	Added direction to perform IPT test, download CSV file, and if engine noise is still present, continue with published troubleshooting. Warranty statement changed to Yes.

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