



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 has no effect on present warranty coverage or repair practices, nor does it authorize TRP or Campaign actions.

Contents

Product Affected

Engine:

- L9 CM2450 L126B

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.

- 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.

Document History

Date	Details
2021-2-11	Module Created
2022-4-19	Updated Symptom, Verification, and Resolution.

Last Modified: 20-Apr-2022

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