



Technical Service Bulletin

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Allison Transmission® Fault P2637 Caused by Engine Control Module (ECM) Calibration	

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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

- X15 CM2350 X114B
- X15 CM2350 X116B
- X15 CM2450 X124B
- X15 CM2450 X134B

Issue

Symptom:

- CHECK TRANSMISSION lamp is illuminated
- Shift quality issues and gear limitation
- Active or inactive Allison Transmission® fault P2637

Root Cause:

- Engine control module (ECM) calibration code

Verification

- Verify Allison Transmission® fault code P2637 is active or has inactive counts.
- Compare the ECM code and revision number in the ECM to the calibration revision listed in the ECM calibration revision history on QuickServe® Online (QSOL) for applicable changes.

Resolution

- Cummins Inc. is releasing ECM calibration revisions that reduce occurrences of Allison Transmission® fault P2637. Timing availability of the ECM calibration improvement will vary by engine service model name. See Table 1 below.
- If an ECM calibration update for this issue is available, the ECM calibration revision **must** be that revision or higher.
- If ECM calibration revision is **not** yet available for one of the listed engine service model names, cycling the key can temporarily extinguish the CHECK TRANSMISSION lamp and return the vehicle to normal operation until the fault comes active again.
- If the ECM already contains the ECM calibration improvement for P2637, reference the OEM or Allison Transmission® service processes.

Table 1, ECM Calibration Code Availability			
Service Model Name	P2637 Calibration Improvement Available	Production Implementation Date	QuickServe® Online (QSOL) ECM Calibration Code Date
X15 CM2350 X114B	Pending		
X15 CM2350 X116B	Pending		
X15 CM2450 X124B	Pending		
X15 CM2450 X134B	Yes	17 December 2020	15 December 2020

Document History

Date	Details
2021-1-29	Module Created

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