



# Technical Service Bulletin

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<b>Technical Service Bulletin:</b> TSB190022	<b>Released Date:</b> 18-Feb-2019
<b>High Soot Load at Altitude in Refuse Truck Applications</b>	

## High Soot Load at Altitude in Refuse Truck Applications

### Warranty Statement

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The information in this document has no effect on present warranty coverage or repair practices, nor does it authorize TRP or Campaign actions.

### Contents

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#### Product Affected

Engine:

- L9 CM2350 L116B

Application:

- Refuse Truck

#### Issue

Symptom:

- Refuse trucks at altitude greater than 1220 m [ 4000 ft ] showing fault codes 2639, 1921, and 1922, which are related to high soot load.

Root Cause:

- Incorrect engine control module (ECM) calibration.

#### Verification

- Application is refuse truck.
- Operating altitude of the vehicle is 1220 m [ 4000 ft ] or higher.
- Calibration revision is November 2018 or earlier.

## Resolution

If existing calibration revision is November 2018 or earlier:

- Perform the published troubleshooting for the fault code.
- Update ECM calibration if warrantable update applies. See Table 1 below.
- Recommended to keep a low idle speed of 800 rpm.

A new authorized change label, Part Number 5297400, **must** be ordered and installed on engine. To install authorized change label:

- Fill out authorized change labor sticker with new CPL, new ECM base code, distributor or dealer code, and date. Leave campaign number section blank.
- Clean area near engine dataplate for authorized change label.
- Engine dataplate is located on the valve cover/front gear housing.
- Peel backing material from authorized change label and install near engine dataplate.
- SRT 99-902 is available for authorize change label installation.

<b>Engine Power Rating (HP)</b>	<b>Existing ECM Calibration Code</b>	<b>New ECM Calibration Code</b>	<b>Existing DO Calibration Code</b>	<b>NEW DO Calibration Code</b>	<b>CPL</b>
370	HB80003.2 2	HB80500.0 0	DO94971	DO98753	<b>4758</b>
	HB80042.2 1	HB80499.0 0	DO94978	DO98752	
	HB80324.0 4	HB80494.0 0	DO98348	DO97981	
	HB80320.0 4	HB80493.0 0	DO98342	DO97980	
380	HB80002.2 2	HB80492.0 0	DO94971	DO97981	
	HB80035.2 1	HB80491.0 0	DO94978	DO97980	
	HB80316.0 4	HB80492.0 0	DO98348	DO97981	

<b>Table 1, ECM and DO Calibration Codes</b>					
<b>Engine Power Rating (HP)</b>	<b>Existing ECM Calibration Code</b>	<b>New ECM Calibration Code</b>	<b>Existing DO Calibration Code</b>	<b>NEW DO Calibration Code</b>	<b>CPL</b>
	HB80312.0 4	HB80491.0 0	DO98342	DO97980	

## Document History

<b>Date</b>	<b>Details</b>
2019-2-4	Module Created

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**Last Modified: 18-Feb-2019**

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