



Technical Service Bulletin

Technical Service Bulletin: TSB180086	Released Date: 22-Jun-2018
Engine Speed Instability with ZF Ecolife Transmission	

Engine Speed Instability with ZF Ecolife Transmission

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

- ISB6 6.7 CM2350 B103

Issue

Symptom:

- Engine speed instability in top gear approaching governed vehicle road speed.

Root Cause:

- Engine control module (ECM) calibration governor settings are incorrect.

Verification

- Verify unit is equipped with ZF Ecolife transmission.
- Using INSITE™ electronic service tool, verify the latest ECM calibration code is installed.

Tables 1 and 2 below show ECM calibration codes impacted by this issue at the revision level that causes the issue. If existing ECM calibration installed matches one of the ECM calibration numbers at the same revision level or lower, then the issue is confirmed.

Table 1: ISBe6 6.7 OBDA Affected Calibration List and Revision Level

HP Rating	Application	Calibration Number	Affected Revision Level
220	Truck	DR90008	11
250	Truck	DR90009	11
280	Truck	DR90010	11
310	Truck	DR90011	11
220	Bus	DR90005	11
250	Bus	DR90006	11
280	Bus	DR90007	11
280	Hybrid Bus	DR90019	06
220	Bus Stop Start	DR90028	04
250	Bus Stop Start	DR90029	04
280	Bus Stop Start	DR90030	04

Table 2: ISBe6 6.7 OBDC Affected Calibration List and Revision Level

HP Rating	Application	Calibration Number	Affected Revision Level
220	Bus	HX80006	03
250	Bus	HX80007	03
280	Bus	HX80008	04
300	Bus	HX80009	04
280	Hybrid Bus	HX80026	02
300	Hybrid Bus	HX80027	02
230	Truck	HX80018	03
260	Truck	HX80019	03
290	Truck	HX80020	03
320	Truck	HX80021	03
220	Bus	HX80022	03
250	Bus	HX80023	03
280	Bus	HX80024	03
300	Bus	HX80025	03

Resolution

Recalibrate ECM with latest available calibration revision available from QuickServe™

Online (QSOL).

Refer to Procedure 019-032 in Section 19 of the Service Manual.

Document History

Date	Details
2018-6-20	Module Created

Last Modified: 22-Jun-2018
