

Technical Service Bulletin Number
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TSB150182



Technical Service Bulletin

Subject

New Turbocharger Speed Sensor with Heat Reflective Wrap

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

- ISB4.5 CM2350 B104

Issue

Turbocharger speed sensors have been found to melt on heavy hybrid vehicles when operating at higher vehicle speeds. The root cause of the issue is excessive radiated heat due to operation at full load rated speed for extended periods of time.

This issue is specific to heavy hybrid buses. The maximum speed that the vehicle is capable of reaching is lower than governed speed, leading to operation at full load at rated speed when on open roads.

Resolution

When a turbocharger speed sensor replacement is required do the following:

For hybrid buses with a gross vehicle weight exceeding 12 metric tons, use the new

turbocharger speed sensor fitted with the heat reflective wrap.

For all other vehicles, use the existing part inventory on the shelf before ordering the new turbocharger speed sensor.

Description of Change

The new turbocharger speed sensor is fitted with a heat reflective wrap to protect the material surrounding the sensor electronics.

Service Parts Availability

Service Parts are available. See Table 1 for part numbers.

Table 1, Turbocharger Speed Sensor Kit Part Numbers		
Part Name	Obsoleted Part Number	New Part Number
Turbocharger Speed Sensor Kit	4034169	4034273

Part Structure

- The new turbocharger speed sensors are directly compatible with existing parts.
- The new part number obsoletes and supersedes the existing part number.

Production Status

Implemented for production. See Table 2.

Table 2, Production Information			
Product	Engine Serial Number (ESN) First	Build Date ¹	Engine Plant
ISB4.5 CM2350 B104	89246263	2 July 2015	Beijing Foton Cummins Engine Company
ISB4.5 CM2350 B104	22178453	17 August 2015	Darlington Engine Plant

¹Engine build date can be found on the engine dataplate.

Document History

Date	Details
2015-11-19	Module Created

Last Modified: 23-Nov-2015

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