

Part 573 Safety Recall Report

18E-112

Manufacturer Name : Cummins Inc.

Submission Date : DEC 05, 2018

NHTSA Recall No. : 18E-112

Manufacturer Recall No. : NR



Manufacturer Information :

Manufacturer Name : Cummins Inc.

Address : 500 Jackson Street

Columbus IN 47202-3005

Company phone : 812-377-5000

Population :

Number of potentially involved : 381

Estimated percentage with defect : 100 %

Equipment Information :

Brand / Trade 1 : Cummins Inc.

Model : ISV5.0

Part No. : DOH3004BX03

Size : NR

Function : Light duty

Descriptive Information : Light duty diesel engines equipped with CP80009 and CP80007 air compressor options. The affected engines are installed exclusively in Tiffin recreational vehicles and Blue Bird buses. Engines equipped with other air compressor options are not affected by this recall.

Production Dates : MAR 16, 2015 - SEP 17, 2018

Description of Defect :

Description of the Defect : Certain ISV5.0 engines equipped with Option CP80007 installed in Tiffin Motorhomes and with Option CP80009 installed in Blue Bird school buses may experience air compressor belt slippage resulting in decreased air compressor output.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Air compressor belt slippage may impact vehicle air braking. If the condition progresses, and if audible and visible warnings are ignored, the vehicle will experience deterioration in air brake performance until, eventually, the parking brake is automatically applied, increasing the risk of a crash. Additionally, passengers being transferred from a disabled school bus may be at an increased risk of personal injury if the transfer occurs in a high traffic location.

Description of the Cause : As the belt ages, impacted air compressor options do not have adequate belt wrap around the air compressor pulley.

Identification of Any Warning that can Occur : The driver will experience increased brake pedal travel as the condition progresses. Below approximately 65 psi, dashboard lamps will illuminate, and an audible alarm will sound indicating low air pressure in the air brake system. Vehicle drivers and service technicians may also hear squeal when the belt slips.

Supplier Identification :

Component Manufacturer

Name : N/A

Address : NR

NR

Country : NR

Chronology :

April 2017- Oct 2017 – Cummins received approximately 8 warranty claims of belt noise on Tiffin applications.

Oct 2017 to March 2018- Cummins conducted an investigation and developed potential solutions for the belt noise issue on Tiffin engines. During this time, Cummins received approximately 4 additional claims for belt noise on Tiffin engines.

March 2018 – May 2018 – Cummins worked with Tiffin to develop a Technical Service Bulletin to address the belt noise issue on engines in the field. During this time, Cummins received four additional claims on the Tiffin product for belt noise.

March 26, 2018 – Cummins began producing engines for Tiffin with the solution that was eventually implemented for fielded vehicles in TSB-180058 (see below).

June 4, 2018 – Cummins issued a Technical Service Bulletin (TSB-180058, Belt Noise and Front Engine Accessory Drive Belt Re-routing: Tiffin Recreational Vehicles, submitted to NHTSA on July 3, 2018).

October 25, 2018 – Cummins Customer Engineering was informed of a belt failure affecting air compressor operation on an engine installed in a Blue Bird vehicle.

October 31, 2018 to November 15, 2018 – Cummins conducted an investigation and a Product Safety Hazard Analysis to understand the cause of the failures and the extent of the issue, and to evaluate the potential safety consequences.

November 16, 2018 – Cummins authorized Cummins Service locations to install a new belt at each oil change interval for Blue Bird engines (Option CP80009) as an interim measure.

November 28, 2018 – Based upon information developed during its investigation, Cummins decided to conduct a safety recall to address this issue. To date, there have been no reports of accidents or injuries related to this condition.

Description of Remedy :

Description of Remedy Program : Cummins is currently finalizing its remedy program. Cummins will submit a recall-specific reimbursement plan through the Recalls Portal.

How Remedy Component Differs from Recalled Component : To be provided.

Identify How/When Recall Condition was Corrected in Production : On March 26, 2018, Cummins began producing engines for Tiffin with the solution that was eventually implemented for fielded vehicles in TSB-180058. The affected Blue Bird engines are no longer in production as of October 6, 2017.

Recall Schedule :

Description of Recall Schedule : Cummins is currently finalizing the recall schedule. Cummins expects to notify the affected OEMs by December 15, 2018. The timing of owner notification will be determined in consultation with the affected OEMs. Cummins expects to send owner letters by February 1, 2019 or sooner pending the availability of owner information provided the OEMs.

Planned Dealer Notification Date : NR - NR

Planned Owner Notification Date : NR - NR

Purchaser Information :

The following manufacturers purchased this defective/noncompliant equipment for possible use or installation in new motor vehicles or new items of motor vehicle equipment:

Name : Tiffin Motorhomes

Address : 105 2nd Street NW
Red Bay AL 35582

Country : US

Company Phone : 2563563088

Name : Blue Bird Corporation

Address : 3920 Arkwright Road
Suite 200 Macon GA 31210

Country : US

Company Phone : 4788222371

* NR - Not Reported