

# Facsimile

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**Date:** September 18, 2007

**Pages (including cover):**

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**PLEASE DELIVER TO:**

<b>Name/Company</b>	<b>Fax #</b>	<b>Verify #</b>
Mr. George Person Chief, Recall Analysis Division Office of Defects Investigation National Highway Traffic Safety Admin.	202/366-7882	202/366-5227

**MESSAGE/INSTRUCTIONS**

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**Re: Supplemental Part 573 Letter,  
Piston Pin Recall 07E-033**

George: I am transmitting the Cummins Inc. revision of its defect notice letter in the above-captioned recall, which provides assurance that Cummins will provide a post-warranty remedy without charge to repair the connecting rod defect which is the subject of the campaign.

  
LPH

Attachment

cc: William L. Nie, Esq.  
Mr. Steven R. Butler

PLEASE CALL OUR FAX OPERATOR AS SOON AS POSSIBLE IF TRANSMISSION IS NOT COMPLETE: 202.857.6119

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May 18, 2007  
Addendum September 18, 2007

Associate Administrator for Enforcement  
National Highway Traffic Safety Administration  
400 Seventh Street, S.W.  
Washington, D.C. 20590

Dear Sir or Madam:

The following information is submitted in accordance with the National Highway Traffic Safety Administration's reporting regulations, 49 CFR Part 573.6.

Cummins Inc. (Cummins) has decided that there is a potential safety-related defect with respect to connecting rods in ISL CM850 diesel engines manufactured by Cummins and installed as original equipment in those motor vehicles identified below.

**1. Product identification and customer channels.**

This defect involves Cummins ISL CM850 diesel engines produced for recreational vehicle applications between October 17, 2005 and April 18, 2006. There are 2159 engines in the subject population that we intend to campaign.

All ISL CM850 engines in the subject population are covered by this recall. The ISL CM850 recreational vehicle ESNs eligible for this campaign range from 46543077 to 46603939. A complete listing of the subject populations by vehicle manufacturer is attached in Appendix A.

**2. Identification of the item: Connecting Rod**

**Engine Make:** Cummins

**Model:** ISL CM850

**Part Number:** 3971393

**Function:** Transmit energy from the piston to the crankshaft

**3. Estimated extent of defect population.**

Cummins estimates that approximately 3.8% of the subject population of engines could experience a connecting rod failure. Cummins will pursue a 100% recall on all engines in the subject population.

Cummins notes that the Company has voluntarily decided to conduct this recall.

#### **4. Description of defect.**

The connecting rod contains a machining defect in the wrist pin bushing of the rod that could cause a seizure of the piston pin, which if allowed to progress, can lead to engine failure with the possibility of the rod rupturing the block cavity, oil and debris on the roadway and vehicle crash.

#### **5. Chronology of events.**

Over the later months of 2006, Cummins received reports of ISL CM850 engine failures of recreational vehicles in the field. The failures were occurring on ISL CM850 engines built after October 17, 2005.

In response to these reports, Cummins Service Engineering and Cummins Product Engineering investigated the failures and coordinated problem solving activities. On May 11, 2007, these activities led to a management decision to conduct a safety campaign on ISL CM850 recreational vehicle engines built between October 17, 2005 and April 18, 2006.

To date, Cummins is not aware of any injuries, fatalities, or crashes that were the result of this defect. It is estimated that approximately 3.8% of the subject population could experience an engine failure.

#### **6. Remedy program.**

Cummins will recalibrate the engine control module. Additionally, Cummins will enhance the Engine Protection System enabling it to provide early detection of the failure mode and avoid more serious engine damage and resultant safety hazard. This will involve installation of a new valve cover with a crankcase pressure sensor. Prior to failure, the new crankcase pressure sensor will provide a signal to the dash with a red light. A red lamp gives an indication to the driver to stop the engine as soon as it can safely be done. The campaign will be completed without charge to engine owners. Cummins notes and emphasizes that all covered vehicles involved in the campaign were sold with a 5- year or 100,000 mile warranty and are estimated to have extensive warranty coverage remaining on these engines to cover future repairs as needed.

This campaign covers post-warranty repairs free of charge if the issue involves the connecting rod defect addressed by this recall.

**7. Part 577 notice letter.**

The customer notice letter is in the process of being prepared and will be submitted in draft to the agency as soon as possible.

**8. Conduct of recall campaign.**

Subject to concurrence of its OEM customers, Cummins will be conducting the respective recalls with the customers of each OEM.

**9. Customer/owner notifications.**

Notifications are expected to begin in July 2007, once Cummins is in receipt of the OEM recall authorizations and customer lists.

\* \* \*

Please advise the undersigned of the recall campaign number assigned by the Office of Defects Investigation to this recall. Cummins campaign code for this recall will be C0713.

Sincerely yours,

Steven R. Butler  
Director – Product Safety

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Fax: 812-377-3265  
E-mail: [steven.r.butler@cummins.com](mailto:steven.r.butler@cummins.com)

Appendix A

OEM	No. of Engines
Country Coach	94
Foretravel	9
Freightliner Custom Chassis	666
Monaco	818
Spartan	499
Western RV	58
Cummins Distributors	15