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Spartan Chassis, Inc.

1000 Reynolds Road - Charlotte, MI - 48813

2007 JUNE 29

RECALL MANAGEMENT DIVISION

573 DEFECT & NONCOMPLIANCE REPORT

07V-280
(5 Pages)

Description:	Cummins ISL CM850 Diesel - Connecting Rods (Motorhome)		
Internal Code:	SPEC 07008	Date of Report:	6/15/2007

Submitted to: Associate Administrator for Safety Assurance
National Highway Traffic Safety Administration
400 Seventh Street, SW
Washington, DC 20590

Attn: Mrs. Pat Wallace, Office of Defects Investigation
Fax: (202) 366-7882

Manufacturer Identification: Spartan Chassis, Inc.
1000 Reynolds Road
Charlotte, MI 48813

Telephone: (517) 543-6400

Corporate contacts for recall information:

Customer Notification / Customer Service:

Report prepared by:

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Preparer's Signature:

Lisa Ward 6-15-2007

PART 573 Defect and Noncompliance Report

I. IDENTIFY THE VEHICLE MODELS INVOLVED IN THE RECALL

2. Identify the Vehicles Involved in the Recall:

Make:	Spartan Chassis, Inc.		
Model:	MM		
Model Years Involved:	2006, 2007		
Vehicle Type:	Motorhome		
Weight Range:	From GVWR: 32,000	To GVWR:	44,600
Weight Class:	From Class: 7	To Class:	8
Beginning VDM:	7/27/2005	Ending VDM:	12/13/2006
% Potentially Involved:	100%		

Descriptive information which characterizes/distinguishes the recalled vehicles from those model vehicles not included in the recall:

The engine serial number must be within the range of: 46543077 to 46603939

II. IDENTIFY THE RECALL POPULATION

3. Furnish the total number of vehicles recalled potentially containing the defect or non-compliance

MODEL	MODEL YEAR	No. POTENTIALLY INVOLVED
MM	2006	268
MM	2007	225
UNIDENTIFIED		2
TOTAL:		495

4. Furnish the approximate percentage of the total number of vehicles estimated to actually contain the defect or noncompliance.

Approximate Defect Percentage: 100%

Identify and describe how the recall population was determined--in particular how the recalled models were selected and the basis for the beginning and final dates of manufacture of the recalled vehicles:

Recalled models were selected by matching the Spartan sales order number with the Cummins engine serial number identified in the subject population provided by Cummins. Where no match was found, models are noted as 'unidentified'.

III. DESCRIBE THE DEFECT OR NONCOMPLIANCE

5. Describe the defect or noncompliance. The description should address the nature and physical location of the defect or noncompliance. Illustrations should be provided as appropriate.

A connecting rod could fail in the engine.

Describe the cause(s) of the defect or noncompliance condition.

There is a machining defect in the wrist pin bushing of the rod.

Describe the consequence(s) of the defect or noncompliance condition.

There could be a seizure of the piston pin which could lead to engine failure with the possibility of the rod rupturing the block cavity, resulting in oil and debris on the roadway and a vehicle crash.

Identify any warning which can (a) precede or (b) occur.

There is no warning.

If the defect or noncompliance is in a component or assembly purchased from a supplier, identify the supplier by corporate name and address:

Generic Component Name:	Engine
Supplier Part Number:	3971393
Spartan Part Number:	R656-AA2-001, -002, -003, -004 R658-AA2-001, -002, -003, -007, -009
Supplier Corporate Name:	Cummins Inc.
Address:	500 Jackson Street Columbus, IN 47201
CEO or Knowledgeable Rep:	Steven R. Butler- Director, Product Safety

IV. PROVIDE THE CHRONOLOGY IN DETERMINING THE DEFECT/NONCOMPLIANCE

If the recall is for a defect, complete item 6, otherwise item 7

6. If defect, furnish a chronological summary with dates of all the principle events that were the basis for the determination of the defect. Include number of reports, accidents, injuries, fatalities, and warranty claims.

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. As of 5-18-07 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.

7. If noncompliance, identify and provide the test results or other data in chronological order with dates on which the noncompliance was determined.

N/A

V. IDENTIFY THE REMEDY

8. Furnish a description of the manufacturer's remedy for the defect or noncompliance. Clearly describe the differences between the recall condition and the remedy.

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 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 be done safely.

Clearly describe the distinguishing characteristics of the remedy component/assembly versus the recalled component/assembly.

The remedy component will have a valve cover which includes a crankcase pressure sensor.

Identify and describe how and when the recall condition was corrected in production. If the production remedy was identical to the recall remedy in the field, so state. If the product was discontinued, so state.

N/A

VI. IDENTIFY THE RECALL SCHEDULE

Furnish a schedule or agenda, with specific dates, for notification to other manufacturers, dealers/retailers, and purchasers. Please identify any foreseeable problems with implementing this recall.

Recall administered by Cummins.

VII. FURNISH RECALL COMMUNICATIONS

9. Furnish a final copy of all notices, bulletins, and other communications that relate directly to the defect or noncompliance and which are sent to more than one manufacturer, distributor, or purchaser. This includes all communications concerning this recall from the time your company determines the defect or noncompliance condition on, not just the initial notification.

DOCUMENT DESCRIPTION	DATE AND MANNER SUBMITTED
Notification letter to other manufacturers	TBD
Draft Notification letter to purchasers	TBD
Press release (if applicable)	N/A
Recall Service Bulletin (RSB)	TBD
Notification Envelope	Pre-approved

All documents to be faxed to 202-366-7882, then mailed.

The manufacturer's campaign identification number if not identical to the number assigned by NHTSA.

Cummins NHTSA assigned number: 07E033