

## **Safety Defect and Noncompliance Report Guide for Vehicles** **Part 573 Defect and Noncompliance Report**

On June 15, 2007, Newmar Corporation received a notification letter from Spartan Chassis, Inc. informing of a defect which relates to motor safety exists in the vehicles listed below, and is furnishing notification to the National Highway Traffic Administration in accordance with 49 CFR Part 573, Defect and Noncompliance Reports. This recall will be handled by Spartan Chassis, Inc.

This report was prepared on August 6, 2007.  
The manufacturer's identification number for this recall is SPEC 07008.

1. The "Final Stage" vehicle manufacturer.

Newmar Corporation  
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Signed\_ *Travis Haynes*\_

2. Identify the vehicle involved in the recall.

The vehicles involved in the recall are– **some model year 2006 and 2007 VTDP, ATME, KSDP and DSDP with Spartan Chassis model MM.**

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DEFECTS INVESTIGATION  
RECALL MGMT DIV.

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

**308 with the 2006 and 2007 MM model Spartan Chassis.**

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

100% of the vehicles listed above may contain the defect.

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

A connecting rod could fail in the engine.

5a. Describe the cause of the defect or noncompliance.

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

5b. 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.

5c. Describe any warning which can (a) precede or (b) occur.

There is no warning.

5d. 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  
R685-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

6. If defect, furnish a chronological summary with dates of all the principal 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

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.

8a. 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.

8b. 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.

8c. Furnish a recall 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.

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.

Please see attached samples (none attached)

9a. The manufacturer's campaign identification number if not identical to the number assigned by NHTSA.

Newmar's identification number will be assigned by NHTSA.  
Cummins NHTSA assigned number: 07E033