


Spartan Chassis, Inc.

1165 Reynolds Road - Charlotte, MI - 48813

573 DEFECT & NONCOMPLIANCE REPORT

 05V-330
(5 pages)

Description:	Detroit Diesel Corporation Recall EQ05-016 Turbo Charger Can Fail		
Internal Code:	SPEC 05027	Date of Report:	7/20/2005

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

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

Manufacturer Identification: Spartan Chassis, Inc.
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Charlotte, MI 48813

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Corporate contacts for recall information:

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DEFECTS INVESTIGATION

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Preparer's Signature: Kelli A. Oberlin

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:	LA41M-2142		
Model Years Involved:	1998		
Vehicle Type:	Firetruck		
Weight Range:	From GVWR:	41,000	To GVWR: 41,000
Weight Class:	From Class:	8	To Class: 8
Beginning VDM:	10/16/1997	Ending VDM:	10/16/1997
% Potentially Involved:	100%		

Make:	Spartan Chassis, Inc.		
Model:	LA41L-2142		
Model Years Involved:	1999		
Vehicle Type:	Firetruck		
Weight Range:	From GVWR:	42,000	To GVWR: 42,000
Weight Class:	From Class:	8	To Class: 8
Beginning VDM:	1/19/1998	Ending VDM:	1/19/1998
% Potentially Involved:	100%		

Make:	Spartan Chassis, Inc.		
Model:	RM-2242		
Model Years Involved:	1998 - 1999		
Vehicle Type:	Motorhome		
Weight Range:	From GVWR:	26,000	To GVWR: 26,000
Weight Class:	From Class:	26,000	To Class: 26,000
Beginning VDM:	10/16/1997	Ending VDM:	2/26/1998
% Potentially Involved:	100%		

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

These vehicle all have Detroit Diesel Series 40 model engines.

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
LA41M-2142	1998	2
LA41L-2142	1998	1
RM-2242	1998-1999	49
Series 40 Engines	1997 - 2002	18
TOTAL:		70

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:

Spartan part numbers 0437-AA2 and 0413-AA2-001 were cross referenced with the engine serial numbers supplied by Detroit Diesel. The Spartan part number query listed 52 engines. Detroit Diesel provided serial numbers for 70 engines, Spartan is working with Detroit Diesel to define the population.

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.

Per Detroit Diesel's 573.5 document "The turbocharger on these engines may fail prematurely. The failure would consist of breakage of the turbo charger compressor wheel and back plate".

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

Per Detroit Diesel's 573.5 document "The fatigue life of the material in the turbocharger compressor wheel was reduced as a result of its configuration and duty cycle. This can lead to breakage of the wheel and back plate".

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

Per Detroit Diesel's 573.5 document "Turbocharger compressor wheel failure and back plate failure can result in lubricating oil passing into the engine compartment and impinging on hot surfaces. This can result in a fire".

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

Per Detroit Diesel's 573.5 document "The failure can occur without warning. When such a condition occurs visible exhaust smoke can be seen out the engine compartment vents". This may be difficult for the driver to view in a rear engine installation.

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:	Series 40 Engine
Supplier Part Number:	Model N067BH60
Spartan Part Number:	0413-AA2-001, 0437-AA2
Supplier Corporate Name:	Detroit Diesel Corporation
Address:	13400 Outer Drive West Detroit MI 48239
CEO or Knowledgeable Rep:	Glenn W. Lysinger

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.

Spartan was made aware of this recall through a letter of notification from NHTSA received on July 8, 2005 referencing Detroit Diesel's recall number EQ05-016.

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.

This engine model is no longer used in any application at Spartan Chassis Inc. No remedy is required.

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

Per Detroit Diesel's 573.5 document "The turbochargers installed will have bore less compressor wheels and reinforced back plate and attachment."

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, production was discontinued.

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.

The engine serial numbers supplied to Spartan Chassis do not match with the ones recorded in our system. Detroit Diesel records do not match Spartan Chassis records at this time. This may cause the mailing to be done in increments as the population is better defined.

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	N/A
Draft Notification letter to purchasers	N/A
Draft Notification letter to Customer	In Process
Press release (if applicable)	N/A
Recall Service Bulletin (RSB)	In Process
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.

SPEC 05027