



Spartan Chassis, Inc.

1000 Reynolds Road - Charlotte, MI - 48813

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DEFECTS INVESTIGATION
RECALL MGMT DIV.

573 DEFECT & NONCOMPLIANCE REPORT

Description:	Spartan Chassis with ZF Servocom S2 Steering Gear, Type 8018
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07V-300
(5 Pages)

Internal Code:	07015	Date of Report:	7/2/2007
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Submitted to: Associate Administrator for Safety Assurance
National Highway Traffic Safety Administration
1200 New Jersey Ave. SE
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 7-2-07

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:	K2, K3, V41M-2142		
Model Years Involved:	2004, 2005		
Vehicle Type:	Motorhome, Firetruck		
Weight Range:	From GVWR:	40,600	To GVWR: 51,600
Weight Class:	From Class:	8	To Class: 8
Beginning VDM:	10/20/2003	Ending VDM:	6/16/2005
% Potentially Involved:	100%		

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

Recalled vehicles are identified by a unique VIN (Vehicle Identification Number).

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
K2	2005	85
K3	2004	2
V41M-2142	2005	2
TOTAL:		89

Special Note: Spartan has confirmed receipt of 129 pieces of the recalled material from ZF. A quantity of 4 have been located in stock and quarantined for return to ZF. Spartan will continue research in an attempt to locate the remaining pieces.

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

Approximate Defect Percentage: 100%

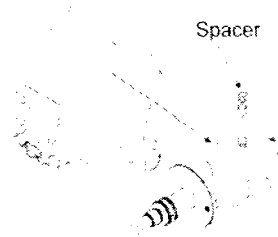
Identify and describe how the recall population was determined--in particular how the recalled models were selected and the basis for the beginning and final dates of manufacture of the recalled vehicles:

The recall population was determined by identifying the Spartan part numbers involved through the description provided by ZF, then querying Spartan product bill of materials for the specific part numbers.

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.

The steering gear assembly contains a spacer with the incorrect dimensions.



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

A spacer with incorrect dimensions (including insufficient height) was installed into the steering gear assembly.

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

A spacer of insufficient height allows for excessive play in the return function of the recirculating balls and as a consequence there is a failure in the circulatory function of these balls. If the failure mode is allowed to continue, the final result will be the interruption in the connection between the steering wheel and the wheels of the vehicle. The vehicle can no longer be steered and could result in a vehicle crash.

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

The vehicle operator will recognize a higher force required at the steering wheel or would recognize a requirement for more steering wheel adjustment while driving in a straight line.

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:	Servocom 2 Steering Gear
Supplier Part Number:	8018955104, 8018955103
Spartan Part Number:	1351-KK1-001, 1420-KK1-001
Supplier Corporate Name:	ZF Heavy Duty Steering, Inc.
Address:	50 Harwill Road NSP 4M6 St. Thomas (CN)
CEO or Knowledgeable Rep:	David Peno, Manager NA Aftersales

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.

Not available from ZF

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.

ZF will furnish a replacement steering gear assembly for each vehicle. When the new gear assembly is installed, the driver will not experience higher forces required to steer the vehicle or be subject to failure of the steering gear.

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

The replacement steering gear component will have a tag identifying the Date of Manufacture of 4/25/2007 or later.

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.

ZF identified a contained population to Spartan. Spartan is not currently manufacturing with the component.

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.

Notification to OEMs- by July 12, 2007

Notification to purchasers- by July 27, 2007

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	July 2007; email
Draft Notification letter to purchasers	Jul-07
Press release (if applicable)	N/A
Recall Service Bulletin (RSB)	July 2007; email
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.

RSB07-260-001