


Spartan Chassis, Inc.

1165 Reynolds Road - Charlotte, MI - 48813

573 DEFECT & NONCOMPLIANCE REPORT

Description:	Bosch Hydraulic Disc Brakes with Zero Offset Pin Slide (ZOPS) Calipers
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Internal Code:	04011
NHTSA #	04V-311

Date of Report:	6/15/2004
Date Of Update:	1/18/2005

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.
 1165 Reynolds Road
 Charlotte, MI 48813

Telephone: (517) 543-6400

Corporate contacts for recall information:

Customer Notification and Customer Service: Report prepared by:

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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:	Summit, SIBFE, TB		
Model Years Involved:	1999 - 2002		
Vehicle Type:	Motor Home, School Bus, Transit Bus		
Weight Range:	From GVWR: 19,000	To GVWR:	30,000
Weight Class:	From Class: 5	To Class:	7
Beginning VDM:	2/25/1999	Ending VDM:	5/21/2002
% Potentially Involved:	100%		
Descriptive information which characterizes/distinguishes the recalled vehicles from those model vehicles not included in the recall:			
Vehicles built with Dana and Meritor front and rear axle containing Bosch hydraulic disc brakes with Zero Offset Pin Slide calipers.			

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
Summit	2000	30
	2001	84
	2002	24
School bus - Front Engine	1999	2
	2000	2
Transit Bus	1999	1
TOTAL:		143

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:

All vehicles with the Dana and Meritor front and rear axle models that contained Bosch pin slide hydraulic disc brakes were selected.

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.

Bosch has not determined a defect, but incidents of overheated brake components have been found on vehicles with hydraulic disc brakes with the ZOPS caliper.

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

Bosch has decided that the presence of corrosion in the vicinity of the caliper seal land can contribute to reduced piston mobility in some cases and lead to performance issues causing overheating.

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

Possible overheated components may not allow the driver to stop safely. This overheating could also result in a vehicle fire.

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

None other than inspection of the brake components for signs of overheating.

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:	Hydraulic disc brake
Supplier Part Number:	Dana Model I-80 Front Axle Assy. Dana Model S-150 Rear Axle Assy. Meritor Model RS-19-145 Rear Axle Assy. Meritor Model RS-15-120 Rear Axle Assy.
Spartan Part Number:	0765-DD1-001 Front Axle Assy. 2001-DD4-478 Rear Axle Assy. 1927-DD4-002 Rear Axle Assy. 1828-DD4-001 Rear Axle Assy.
Supplier Corporate Name:	Dana Corporation
Address:	4500 Dorr Street Toledo, OH 43615
CEO or Knowledgeable Rep:	Mark Jeffrey 269-567-1119

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.

The basis for the determination was the fact that recalls of this product had been filed by other manufacturers and some Spartan products contain the same components.

DATE	SO	DATE	SO	DATE	SO
11/5/2002	39333	7/8/2003	39667	11/19/2003	38122
11/27/2002	39664	7/8/2003	39806	1/21/2004	39022
4/7/2003	39671	7/24/2003	40106	3/1/2004	42014
5/28/2003	39332	9/8/2003	39335	4/22/2004	42015
6/2/2003	39337	11/14/2003	38117		

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

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.

Replace brake calipers and pads per bulletin number RSB04-250-001.

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

Bosch has redesigned the brakes to remedy the situation.

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.

Product discontinued on our vehicles in 2002.

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.

Customer mailing will begin on January 24, 2005.

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
Press release (if applicable)	
Recall Service Bulletin (RSB)	RSB04-250-001 1/24/2005 Mailed
Notification envelope	Pre-approved
Notification letter to customer	01/24/2005 Mailed

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.
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The number assigned by NHTSA will be used to identify the campaign. Spartan's internal number for reference is SPEC 04011. NHTSA supplied number 04V-311