



**SPARTAN CHASSIS, INC.**

Date: January 2, 2008

Associate Administration for Safety Assurance  
National Highway Traffic Safety Administration  
1200 New Jersey Ave. SE  
Washington, DC 20590

RE: NHTSA #07V-363 Re-File, Bussman Box Failure

Attn: Mrs. Pat Wallace, Office of Defects Investigation

To Whom It May Concern:

The intent of this letter is to inform the Office of Defects Investigation that Spartan Chassis, Inc. is re-filing NHTSA #07V-363 defect & non-conformance report originally dated 8/10/07. Spartan Chassis, Inc. has investigated the affected product and concluded the recall vehicles with 4000 miles or less and an estimated VDM date of July 5, 2006 to July 19, 2007 are subject to this recall. This conclusion was established by the first known failure with the largest mileage of the population not captured through level 1 and level 2 containment actions. Further, the evidence has shown that all affected product include only one of the four original components. Subsequently, the population has been reduced to 1244 total units from the original 3693 units.

We have also taken the liberty to highlight all changes from original in red, bold and underlined where necessary.

If you have any questions regarding this re-filing please feel free to contact us.

Sincerely,

Eric West  
Product Assurance Manager  
Spartan Chassis, Inc.

CC: File



**Spartan Chassis, Inc.**

1000 Reynolds Road - Charlotte, MI - 48813

**573 DEFECT & NONCOMPLIANCE REPORT**

**Description:** Bussman Box Failure

**Internal Code:** 07025

**Date of Report:** 12/17/2007

**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:

Wayne Ridge  
Product Improvement Administrator  
Customer Service Operations  
(517) 543-6400, ext. 3445  
Fax: (517) 543-7764

Report prepared by:

**Eric West**  
Product Assurance Manager  
Product Assurance  
**(517) 543-6400, ext. 3427**  
Fax: (517) 543-7729

Preparer's Signature: \_\_\_\_\_

# PART 573 Defect and Noncompliance Report

## I. IDENTIFY THE VEHICLE MODELS INVOLVED IN THE RECALL

### 2. Identify the Vehicles Involved in the Recall:

<b>Make:</b>	Spartan Chassis, Inc.		
<b>Model:</b>	MM (MG) & SU(NG)(SG)		
<b>Model Years Involved:</b>	2007, 2008		
<b>Vehicle Type:</b>	Motorhome		
<b>Weight Range:</b>	From GVWR:	27,500	To GVWR: 44,600
<b>Weight Class:</b>	From Class:	8	To Class: 8
<b>Beginning VDM:</b>	7/5/2006	<b>Ending VDM:</b>	est 7/19/2007
<b>% Potentially Involved:</b>	100%		

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

Recall vehicles with **4000 miles or less** and an estimated VDM date of **July 5, 2006 through July 19, 2007**

## 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 (MG)	2007	848
MM (MG)	2008	331
SU (NG) (SG)	2007	4
SU (NG) (SG)	2008	41
<b>TOTAL:</b>		<b>1224</b>

### 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:**

**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 defective Bussmann boxes are located in a compartment between the rear wheels and the end of the coach, generally on the passenger (curb) side.

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

There may be a loose connection between the bus bar and a grid pad is due to the pins being slightly smaller diameters after assembly by the vendor (Cooper Bussmann).

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

Electrical power may be lost to components of the major chassis operating systems (engine, transmission, starting, cooling) causing the vehicle to shutdown and/or not be capable of powering up. Each vehicle could potentially experience a unique circumstance where one or a combination of the following conditions could occur: loss of electrical power to the engine, transmission, starting and engine cooling systems, in operation of the right chassis stop/turn signal and right trailer stop/turn signal, the anti-lock brake system (ABS), the auxiliary brake system, the heater elements in the air dryer, and the heater element in the water-in-fuel separator.

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

Warning would occur in specific instances where a system has a built-in indicator advising of the operational state of the system. For example, the anti-lock brake system (ABS) warning indicator lamp will illuminate if electrical power is lost to that system. Other than system designed warning indicators, there would not be any additional identifiable warnings.

**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:	Bussmann® DVEC
Supplier Part Number:	<b>32134-1S</b>
Spartan Part Number:	<b>2598-GG5A-002</b>
Supplier Corporate Name:	Cooper Bussmann Inc.
Address:	175 Hansen Court <b>Wood Dale IL 60191-1145</b>
CEO or Knowledgeable Rep:	<b>Wayne LaBrie</b>

#### 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.**

6 total Field Failures as of

SO # 60574 replaced at 3081 miles of service on 6/26/07 - coach shut down  
SO # 60584 replaced at 399 miles of service on 8/1/07 - coach shut down  
SO # 58909 replaced at 1500 miles of service on 4-27-07 - coach shuts down  
SO # 59146 replaced at 500 miles of service on 5-14-07 - coach shuts down  
SO # 57963 replaced at 2332 miles of service on 5-17-07 - intermittent no start  
SO # 57708 replaced at 1281 miles of service on 5-21-07 - coach shuts down  
SO # 55708 removed - incident unrelated to subject recall  
SO # 58934 removed - incident unrelated to subject recall  
SO # 55776 removed - incident unrelated to subject recall

**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.**

Bussmann is adding an additional step where the rolled shank of the pins are flared outward after the bus bars have been installed. This would occur prior to the solder reflow process, which would ensure a tight mechanical fit where the bus bar can not slip off of the pin leading into the solder reflow operation.

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

For vehicles with a VDM date of **07-05-06 through 07-19-07**, the DVEC Bussmann Box having Spartan part number **2598-GG5B-002**, the remedied component will have a vendor part number ending in **32134-2S** whereas the defective component will have a vendor part number ending in **32134-1S**.

**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.**

The recall condition was corrected in production on **7-19-07** by installing the remedied component Spartan part number **2598-GG5B-002** identical to the recall remedy.

**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.**

**See the attached.**

**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.**

<b>DOCUMENT DESCRIPTION</b>	<b>DATE AND MANNER SUBMITTED</b>
Notification letter to other manufacturers	<b>1/7/2008</b>
Draft Notification letter to purchasers	<b>1/7/2008</b>
Press release (if applicable)	N/A
Recall Service Bulletin (RSB)	<b>1/7/2008</b>
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.**

RSB07-500-002