



**Spartan Chassis, Inc.**  
 1000 Reynolds Road - Charlotte, MI - 48813

07V-363  
 (5 pages)

**573 DEFECT & NONCOMPLIANCE REPORT**

<b>Description:</b>	Bussman Box Failure		
<b>Internal Code:</b>	07025	<b>Date of Report:</b>	8/10/2007

**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  
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Report prepared by:

Lisa Ward  
 Product Compliance Administrator  
 Product Assurance  
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Preparer's Signature: *Lisa Ward 8-10-2007*

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DEFECTS INVESTIGATION  
 RECALL MGMT DIV.

# 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>	K2, K3, MM (MG), SU(NG)(SG)		
<b>Model Years Involved:</b>	2006, 2007, 2008		
<b>Vehicle Type:</b>	Motorhome		
<b>Weight Range:</b>	From GVWR: 40,500	To GVWR:	59,600
<b>Weight Class:</b>	From Class: 8	To Class:	8
<b>Beginning VDM:</b>	11/8/2005	<b>Ending VDM:</b>	est 7/27/2007
<b>% Potentially Involved:</b>	100%		

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

Recall vehicles will have an estimated VDM date of November 8, 2005 through July 27, 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
<b>TOTAL:</b>		est 3693

### 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 querying for the specific part numbers associated with the chassis harnesses containing the defective Bussmann® (DVEC) Dual Vehicle Electrical Center boxes. The basis for the beginning and ending dates of manufacture is the population not captured through level 1 and level 2 interim action containment.

### 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:	32130-1S, 32134-1S, 32135-1S, 32136-1S
Spartan Part Number:	2598-GG5A-001, 2598-GG5A-002, 2598-GG5A-003, 2598-GG5A-004
Supplier Corporate Name:	Cooper Bussmann Inc.
Address:	175 Hansen Court Wooddale IL 60191-1145
CEO or Knowledgeable Rep:	Matt McWhinney

**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.**

7 total Field Failures as of 7/18/07.

SO # 58909 replaced on 4-27-07 coach shuts down

SO # 59146 replaced on 5-14-07 coach shuts down

SO # 57963 replaced on 5-17-07 intermittent no start

SO # 57708 replaced on 5-21-07 coach shuts down

SO # 55708 replaced on 7-6-07 won't start - no cranking

SO # 58934 replaced on 7-12-07 internally blows drive train power source fuse

SO # 55776 replaced on 7-13-07 coach shuts down, ABS light and J1939 fault

**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 11-08-05 through TBD, the DVEC Bussmann Box having Spartan part number 2598-GG5A-001 -002, -003, -004, the remedied component will have a vendor part number ending in -2 whereas the defective component will have a vendor part number ending in -1.

**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 7-26-07 by installing the remedied component (part number ending in -2) 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.**

TBD

**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	TBD
Draft Notification letter to purchasers	TBD
Press release (if applicable)	N/A
Recall Service Bulletin (RSB)	TBD
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