



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

573 DEFECT & NONCOMPLIANCE REPORT - Draft

Description:	Inadvertent Side Air Bag Deployment		
Internal Code:	09004	Date of Report:	9/11/2009

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

Attn: Mrs. Kelly Schuler, Office of Defects Investigation
Fax: (202) 366-7882
Email: RMD.ODI@dot.gov

Manufacturer Identification: Spartan Motors Chassis, Inc.
1000 Reynolds Road
Charlotte, MI 48813

Telephone: (517) 543-6400

Corporate contacts for recall information:

Customer Notification / Customer Service:

Wes Redfield
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Customer Service Operations
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Report prepared by:

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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:

Make:	Spartan Motors Chassis, Inc.		
Model:	ADV, DIA, GLD, MTR		
Model Years Involved:	2006 thru 2009		
Vehicle Type:	Custom FT Cab and Chassis		
Weight Range:	From GVWR: 36600 lbs	To GVWR:	83000 lbs
Weight Class:	From Class: 8	To Class:	8
Beginning VDM:	1/16/2006	Ending VDM:	8/10/2009
% Potentially Involved:			

Descriptive information which characterizes/distinguishes the recalled vehicles from those model vehicles not included in the recall:
Certain fire apparatus cab and chassis are equipped with RollTek™ supplemental side restraint systems

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
ADV	2007	3
ADV	2008	5
DIA	2006	2
DIA	2007	5
DIA	2008	7
GLD	2006	2
GLD	2007	33
GLD	2008	129
GLD	2009	36
MTR	2007	1
MTR	2008	10
MTR	2009	6
TOTAL:		239

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 utilizing the part numbers of the supplemental side restraint system control modules. All units containing said units are suspect.

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.

Side air bags located adjacent to outboard seats may deploy inadvertently resulting in personal injury or vehicle crash.

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

Fluid intrusion into the control modules

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

Side air bags located adjacent to outboard seats may deploy inadvertently resulting in personal injury or vehicle crash.

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

This failure mode may occur without warning.

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:	INDIANA MILLS & MFG., INC.
Supplier Part Number:	F17870 F17871 F101863
Spartan Part Number:	2246-RR6-001 2247-RR6-001 2405-RR6-001
Supplier Corporate Name:	INDIANA MILLS & MFG., INC.
Address:	18881 US 31 NORTH P.O. BOX 408 WESTFIELD IN 46074
CEO or Knowledgeable Rep:	Jim Johnson

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.

11SEP08 - In an environmental test chamber, air bags inadvertently deployed on a test vehicle. Corrosion was found present on the control module.

31OCT08 - An inadvertent deployment of air bags occurred on production line after a coolant hose was drilled through exposing the module to coolant in the cab interior.

12DEC08 - Completed testing of fluid intrusion impact on control modules.

18FEB09 - Added divider plate isolating control modules from heater systems. Added protective conduit to pass through harness, from cab exterior.

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.

A divider plate will be installed to isolate the control module from heater system components. Original modules will be replaced with the new module released on 04AUG09.

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

New components will have thicker conformal coating and new programming logic to reduce the range at which a deployment may occur.

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.

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.

18SEP09 - Service Bulletin to be Completed

01OCT09 - Begin notifying final stage manufacturers, dealers and retail customers

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	1-Oct-09
Draft Notification letter to purchasers	1-Oct-09
Press release (if applicable)	N/A
Recall Service Bulletin (RSB)	18-Sep-09
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.

09004