



1(800) 531-9383 or in SC (803) 955-3001 Fax (803) 955-0330
4837 Edmund Hwy. (HWY 302) West Columbia, SC 29170
www.tigermotorhomes.com

Safety Defect and Noncompliance Report Guide for Vehicles
PART 573 Defect and Noncompliance Report

Provan Industries, LLC DBA Tiger Motorhomes ("Tiger") has determined that a defect which relates to motor vehicle safety compliance exists in the motor vehicles listed below, and is furnishing notification to the National Highway Traffic Safety Administration in accordance with 49 CFR Part 573 Defect and Noncompliance Reports.

Date this report was prepared: August 25, 2011

Furnish the manufacturer's identification code for this recall (if applicable):

Tiger Bulletin 001 (attached)

1. Identify the full corporate name of the fabricating manufacturer of the vehicle being recalled. If the recalled vehicle is imported, provide the name and mailing address of the designated agent as prescribed by 49 U.S.C. §30164.

Provan Industries, LLC, dba Tiger Motorhomes
4837 Edmund Hwy.
West Columbia, SC 29170

Identify the corporate official, by name and title, whom the agency should contact with respect to this recall.

**Paul Murphy, contract Compliance Specialist for Provan
Mark Guild, Owner/General Manager - Provan Industries, LLC**

Name and Title of Person who prepared this report.

Paul Murphy

A handwritten signature in black ink, appearing to read "Paul Murphy", written over a horizontal line.

Signed: _____

I. Identify the Vehicle Models Involved in the Recall

2. Identify the Vehicles Involved in the Recall, for each make and model or applicable vehicle line (provide illustrations or photographs as necessary to describe the vehicle), provide:

Make(s): Ford F-350/Chevy 3500 based Class "C"
motor homes

Model Years and Models Involved: 2009-2011 Tiger Motorhomes

Exemplar photos page 6

Between and including those with Tiger Serial Numbers; OPIM1115 to 1151

Identify the approximate percentage of the production of all the recalled models manufactured by your company between the inclusive dates of manufacture provided above, that the recalled model population represents. For example, if the recall involved Widgets equipped with certain items of equipment from January 1, 1996 through April 1, 1997, then what was the percentage of the recalled Widgets of all Widgets manufactured during that time period.

100% of the 37 units covered by this campaign.

II. Identify the Recall Population

3. Furnish the total number of vehicles recalled potentially containing the defect or noncompliance.

Models and Model Years Potentially Involved: 37

Models and Model Years are identified in Item 2 above.

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

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 items of equipment:

The population of 37 units was determined by reviewing build sheets identifying the components installed on each Tiger product.

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 weld joints in the assembly are developing premature fatigue cracks/tears to the point where the tire carrier may be in danger of separating from the bumper.

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

If the fatigue cracks/tears propagate to the point of separation, the tire carrier may be in danger of separating from the vehicle bumper and falling from the vehicle while in motion.

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

Premature fatigue cracks/tears are seen developing at the weld joints in the assembly.

If the defect or noncompliance is in a component or assembly purchased from a supplier, identify the supplier by corporate name and address.

Local Vendor/Supplier	Mfgr/OE
Camping World, 3634 Fernandina Rd Columbia, SC 29210	Stromberg-Carlson Products Inc. 2323 Traversefield Dr. Traverse City, MI 4968 231-947-8600

Identify the name and title of the chief executive officer or knowledgeable representative of the supplier:

Robert C. Brammer Jr., (Stromberg-Carlson)

IV. Provide the Chronology in Determining the Defect/Noncompliance

If the recall is for a defect, complete item 6, otherwise item 7.

6. With respect to a defect, furnish a chronological summary (including dates) of all the principle events that were the basis for the determination of the defect. The summary should include, but not be limited to, the number of reports, accidents, injuries, fatalities, and warranty claims.

Exemplar photos page 6

(Exemplar photos page 6)

10/2010 - The first of 2 potential failures was reported to Tiger. A customer identified cracking/tearing at a weld between the mounting plate and the tire frame tube. A replacement was provided and the unit was returned for review. There had been no previous complaints relating to the tire carrier and after review of the assembly it was determined to be a product anomaly. There have been no other occurrences reported until the second discussed next/below.

08/08/2011 - The second incident was reported by a customer. After having a discussion, it was determined that this issue had similar signs of fatigue cracking/tearing at the weld between the mounting plate and the tire frame tube.

08/09/2011 - Purchased identical assembly from local vendor - Camping World. Upon inspection of the unit and packaging, we noted that the assembly was recommended for use with tire/rim combinations used on travel and 5th wheel trailers only. Contact was made with a representative of Stromberg-Carlson ("SC"), the OE of the component, to confirm that the carrier was not for use on motor homes with larger wheel/tire combination. SC recommended an alternate carrier assembly intended for motor homes with larger wheel/tire combinations and subsequently supplied a sample for review.

08/16/2011 through 08/19/2011 – After receiving the new carrier from SC a comparative analysis and review of the 2 tire carrier assemblies revealed that the suspect carrier at issue had not been designed to support a tire and rim of the size and weight used by Tiger product. It is now believed the additional weight and vibration could lead to premature failure of the welds.

The new recommended assembly was reviewed and validated to meet the needed application.

08/22/2011 – After discussion with our Compliance Specialist ("CS") a decision was made that a safety related recall need be issued and the CS began preparation of the 573/577 documents.

This is not a sudden catastrophic failure of this weld. Only after a crack/tear at the weld joint develops it must propagate through its length before separation. The crack/tear is also clearly identifiable prior to any potential of failure.

7. With respect to a noncompliance, identify and provide the test results or other data (in chronological order and including 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.

The following actions are proposed for field correction of this issue:

Customers owning the affected vehicles will be instructed to replace the spare tire carrier supplied by Provan or remove it permanently. In addition, they will be given the option of having Tiger replace the tire carrier with the new design or have the assembly shipped to local service facility of their choice.

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

The new tire carrier is a more robust design therefore there is no risk of premature fatigue cracking/tearing developing.

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.

Current production units are not built using the carrier at issue. A new design of carrier assembly unrelated to the unit at issue was introduced on unit number OPIM1152.

VI. Identify the Recall Schedule

9. Furnish a schedule or agenda (with specific dates) for notification to other manufacturers, dealers/retailers, and purchasers. Please, identify any foreseeable problems with implementing the recall.

Recall notifications will be sent upon acceptance of the customer notification by the NHTSA. Replacement of the suspect carriers has already begun when opportunity presents.

VII. Furnish Recall Communications

10. 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 (including both original and follow-up) concerning this recall from the time your company determines the defect or noncompliance condition on, not just the initial notification. A *DRAFT* copy of the notification documents should be submitted to this office by Fax (202-366-7882) for review prior to mailing.

bulletin 001 is attached.

Customer cover letter is attached.

Note that these documents are to be submitted separately from those provided in accordance with Part 573.8 requirements



EXEMPLAR IMAGE OF TIRE CARRIER ASSEMBLY AT ISSUE

Inspect these areas for any breaks, cracks, tears, or stresses in the metal and welds. The area around the welds is the main potential failure point.

