

Form Approved: O.M.B. No. 2127-0004

Safety Defect and Noncompliance Report Guide for Equipment  
**PART 573 Defect and Noncompliance Report**<sup>(1)</sup>

**On August 2, 2010 Adventurer LP, decided that a defect which relates to motor vehicle safety exists in items of motor vehicle equipment 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 30, 2010

**Furnish the manufacturer's identification code for this recall (if applicable):** N/A

- 1. Identify the full corporate name of the fabricating manufacturer/brand name/trademark owner of the recalled item of equipment. If the recalled item of equipment is imported, provide the name and mailing address of the designated agent as prescribed by 49 U.S.C. §30164.**

Adventurer LP, Manufacturer of Adventurer Motor Homes and  
Adventurer Truck Camper

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

David Frampton - Product Development Manager Telephone (509)895-7064,  
Fax (509)895-7068

**Name and Title of Person who prepared this report.**

David Frampton

Product Development Manager

Signed: \_\_\_\_\_

Product Development Manager, Adventurer LP

**I. Identify the Recalled Items of Equipment**

**2. Identify the Items of Equipment Involved in this Recall, for each make and model or applicable item of equipment product line (provide illustrations or photographs as necessary to describe the item of equipment), provide:**

**Generic name of the item:** 2011 Adventurer LP Truck Campers and Motor Homes Containing a Gas Range with Sealed Burners and Oven from Suburban

**Make:** Adventurer Motor Homes and Adventurer Truck Campers with **SUBURBAN** Model: SRSA3SBBE, SRSA3LBBE, SRSA3LBGE, SRSA3LBSE, SRSA3SPSS, and SRSA3LPSS

**Part Number:** **SUBURBAN** Part Numbers included are 2878, 2886

**Size:** Motor Homes 19RK, 19RD, 220RB, 240DB and 24DS. Truck Campers 950B, 910FBS, 810WS and 86SBS

**Function:** Recreational Vehicles that contain Gas cook stove with sealed burners range/ovens.

**Other information which characterizes/distinguishes the items of equipment to be recalled:** 2011 Adventurer LP Motor Home's starting with Serial #38102 and Finishing with Serial #38352 and 2011 Adventurer Truck Campers Starting with Serial Number #15501 and Finishing with Serial Number #15562. They contained Gas cook stove with sealed burners and oven with serial numbers included in a range beginning with 094606308 and ending with 102508929.

**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.**

The subject units were produced beginning on February 2, 2010 and ending on June 30, 2010. The subject units are all units (100%) of the Adventurer LP products containing Suburban Model gas cook stoves with sealed burners and oven.

## **II. Identifying the Recall Population**

### **3. Furnish the total number of items of equipment recalled potentially containing the defect or noncompliance.**

Adventurer installed 328 of the Suburban Ranges falling in the serial number range listed. 251 were installed and shipped in Adventurer Motor Homes, 63 were shipped to be installed as field replacement units and 14 were installed and shipped in Adventurer Truck Campers. All other effected Suburban product received by Adventurer has been returned via RGA to be reworked.

**Total Number Potentially Affected by the Recall:** 328 units.

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

15%

### **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 recall population includes all units produced starting with the 2011 Motor Homes. These were the first units to have the Suburban Ranges. The ending serial number was determined by the final unit shipped prior to learning of the defect.

## **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 Suburban gas cook stoves with sealed burners and oven installed in Adventurer units had the defect described below:

The Units involved use an aluminum tube to carry LP gas from the oven control valve to the gas orifice which supplies gas to the burner. This tube may contain a potential defect which can cause the tube to break resulting in a gas leak when the oven burner attempts to light.

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

The Suburban gas cook stoves with sealed burners and oven installed in Adventurer units had the defect cause described below:

The gas tube assembly is sourced from a third party supplier. Some process or defect in the manufacture of the tube creates a stress point or other defect at a specific location in the tube. This can cause the tube to break at this location.

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

The Suburban gas cook stoves with sealed burners and oven installed in Adventurer units had the defect consequence(s) described below:

A gas leak occurring in the area of the oven pilot can cause a “flash” when the gas ignites, and would cause a fire if the oven valve is not promptly turned off.

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

None.

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

Burner Systems International, Inc.

3600 Cummings Road  
Chattanooga, TN 37419-2319  
(423) 822-3600

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

Eric Griesemer, President

**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.**

Fraserway Retals reported a broken oven gas tube on July 12, 2010 on a rental RV being used in northern Canada. On July 23, 2010, this same customer reported a second incident of a broken oven gas tube. Following both reports, Suburban Manufacturing inspected completed units and components in inventory at its facility and found no reason to believe that the broken tube was the result of any kind of product defect. On Monday, August 2, 2010, Suburban Manufacturing received at its facility the range with the broken gas tube reported by the OEM customer on July 12, 2010. This gas tube did not show any sign of mishandling, abuse or tampering, but it did show some unusual marks resulting from the process by which it was manufactured and also evidenced a fracture resulting from some defect induced in the supplier's manufacturing process of the component. On August 4, 2010 Suburban Manufacturing received a second range with a broken gas tube which also evidenced a fracture at the same location resulting from a similar defect to that on the gas tube originally inspected. A third fractured tube has been reported by the same OEM, but that unit has yet to be received for inspection. All of the broken tubes were on ranges installed in Class C recreation vehicles used by the same rental company (an affiliate of Adventurer LP) for rentals in northern Canada. The broken gas tubes were identified during a pre-lease inspection process at the leasing company and none of the broken gas tubes has resulted in any injury or fatality.

**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.**

A replacement gas line will be sourced and tested to insure that the defect which created the stress point has been eliminated.

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

Upon replacement of the gas line a sticker identifying the repair has taken place will be placed adjacent to the model/serial number data plate.

**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 remedy for future production will be the same as 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 the recall.**

The rental fleet that received 314 of the effected ranges has been notified of the coming recall (August 2, 2010). They have taken action to remove the Knobs from the ranges to eliminated the ability to have them function in the field. All retail customers (2) were contacted via phone and told of the coming recall (August 5, 2010). The remaining units (12) are on dealer inventory and will be notified via phone and recall notice, along with repair part. (No later than September 3, 2010)

## **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 (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.***

To be drafted and submitted for review

**Note: These documents are to be submitted separately from those provided in accordance with Part 573.8 requirements.**

1. <sup>1</sup>Each manufacturer must furnish a report, to the Associate Administrator for Safety Assurance, for each defect or noncompliance condition which relates to motor vehicle safety.