

06V-087
(9 pages)

Safety Defect and Noncompliance Report Guide for Vehicles
PART 573 Defect and Noncompliance Report¹

On March 20, 2006 Keystone RV Company decided that a defect which relates to motor vehicle safety 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: March 24, 2006

Furnish the manufacturer's identification code for this recall (if applicable): 06-067

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.

Keystone RV Company

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

Garett Carolus, Key Express Division

Telephone Number: 574/537-3925 Fax No.: 574/537-3981

Name and Title of Person who prepared this report:

Garett Carolus, Key Express Division

Signed:

Garett Carolus

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

This guide was developed from 49 CFR Part 573, "Defect and Noncompliance Reports" and also outlines information currently requested. Any questions, please consult the complete Part 573 or contact Mr. Jon White at (202) 366-5227 or by FAX at (202) 366-7882.

2006-03-24

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06/06/06

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): Raptor **Model Years Involved:** 2006 **Model(s):** 3712TS

Production Dates: Beginning: 3/14/2006 **Ending:** 3/17/2006

VIN Range: Beginning: 4YDF371276M856730 **Ending:** 4YDF371206M856777

Vehicle Type: Recreational Vehicle **Bodystyle:** Fifth Wheel

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

Only the Raptor 3712TS Model Fifth Wheel is included in the recall. There was a change to the routing of the propane lines starting with the first VIN in the recalled population.

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. 37.5%

II. Identify the Recall Population

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

Model	Year	Number of Vehicles Potentially Involved
3712TS	2006	18

Total Number Potentially Affected by the Recall:

18

4. Furnish the approximate percentage of the total number of vehicles 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 vehicles:

The vehicles in the recall population were subject to a change in location related to the propane line connections. As a result of this change, the lines were incorrectly positioned during manufacturing and did not have sufficient clearance between the floor of the slide room and the outside wall of the slide room. The recalled population starts with the first vehicle when the change was made and ends with the last vehicle produced once the problem was discovered.

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 vehicles were built with 2 copper lines that may get pitched when door side slide out is retracted. The lines could be damaged and leak propane resulting in a fire..

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

There is insufficient clearance between the main floor and the outside wall of the slide room.

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

When the slide room is retracted, the copper lines will be pinched. If the vehicles is towed, there is a possibility the lines will be damaged to the point they will leak and result in a fire.

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

Once the lines are pinched, the stove and/or the refrigerator may not operate on propane.

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

N/A

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

N/A

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.

3/13/2006 – During an engineering audit of the new process to route the propane lines, it was discovered there was a possibility of improper routing for the propane lines.

3/20/2006 – After further investigation and testing, it was determined the lines needed to be rerouted to prevent damage when the slide room is retracted.

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 lines will be relocated and a stop will be added to prevent the lines from being damaged.

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

There will be a positive stop added to the vehicles that have the recall completed to prevent the lines from being damaged.

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 production remedy is 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 the recall.

Dealers were notified on March 20, 2006 to not release any units to retail purchasers until the repairs were made to the propane lines. Repair procedures and parts will be distributed to dealers on March 27, 2006. No vehicles have been retail sold.

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.*

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

SERVICE ADVISORY # 06-067

Raptor Kitchen Slide L.P. Gas Line

- Models Included:** Raptor 3712TS Fifth Wheel
- Serial Numbers:** 856731, 32, 33, 34, 45, 47, 60, 61, 63, 64, 75, 77
- Parts Required:** The following parts will be supplied by Keystone RV:
- | | | |
|---------------------------------|---------------------------------------|---------------------|
| 3/8" x 48" copper line | 3/8" x 75" copper line | 4 – 3/8" flare nuts |
| 1 – 1 x 1 x 8" steel tube | 2 – 1/4 x 1-1/2" self drilling screws | |
| 78" D-Seal | Wire Loom | |
| 8 – 3/8 x 4" hex head lag bolts | | |
- Obtain locally: Black silicone caulk
- Tools Required:** Drill, Phillips head bit, 1" & 1/4" drill bit, 1/2" socket, 13/16" open-end wrench

Keystone RV Company is conducting a voluntary RECALL notification campaign in accordance with the National Traffic and Motor Vehicle Safety Act. The trailers listed were built with 2 copper lines that may get pinched when door side slide out is retracted. The lines could be damaged and leak propane resulting in a fire. The following instructions correct the problem.

General Information

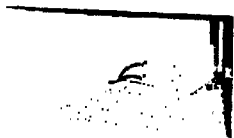
- Stock units must be remedied before selling.

Corrective action

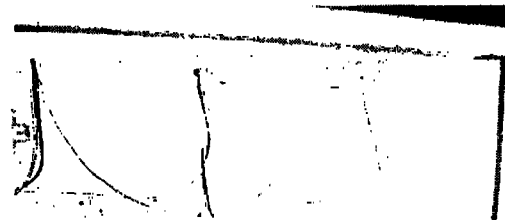
- Step 1.** Extend kitchen slide to out position.
- Step 2.** Shut off the propane valves on both LP bottles.

WARNING – LP GAS IS HIGHLY FLAMMABLE. FAILURE TO SHUT OFF THE PROPANE CAN RESULT IN AN EXPLOSION, FIRE AND PERSONAL INJURY.

- Step 3.** Remove the 3 access panels from under refrigerator and stove.



Stove area



Refrigerator

Step 4 Disconnect and remove existing copper lines running to stove and refrigerator.

Step 5 Remove the 3/8 x 4" carriage bolts that attach the horizontal support channel to the floor of the slide room (see fig. 1).

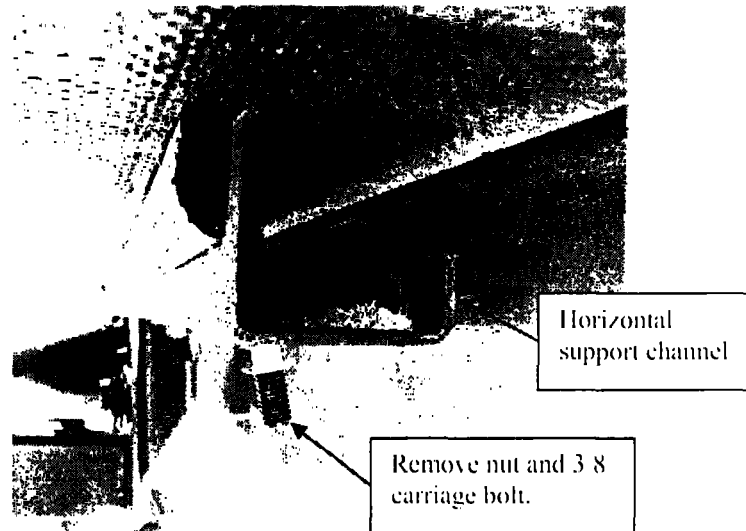
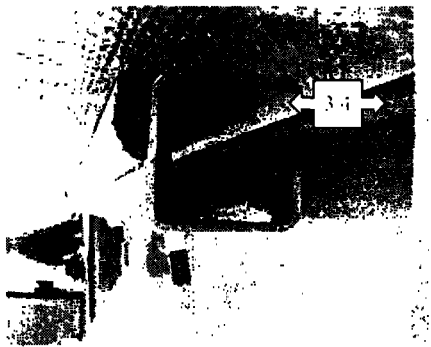
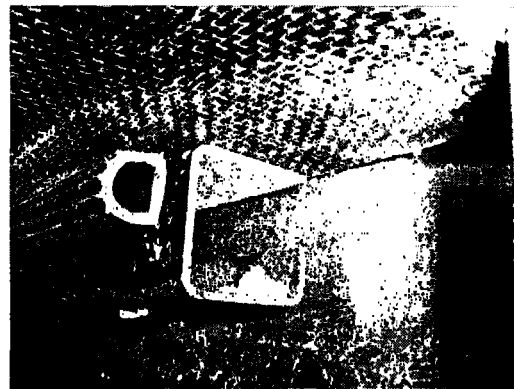


Fig. 1

Step 6 Move horizontal support channel outward approximately 3/4 to 7/8" so that leading edge of channel is flush with end of floor. This can be done by pushing room in by hand or adjusting nuts outward on the end of the hydraulic cylinder ram and moving the channel out under power (see fig 2).



Before



After

Step 7 Fasten room to support channel by running new 3/8 x 4" lag screws through channel into floor where the carriage bolts were removed. Pre-drill the holes with a 1/4" drill bit.

Step 8 Cut a section of 'D' seal out as shown below and drill two 1" holes as close to support channel as possible (see fig 3) and install new copper lines from stove and refrigerator to the connections shown below. Install the pre-made copper line so the tan plastic grommet is on the bottom of the slide room floor. Attach the grommet to the floor with a small screw or staple.

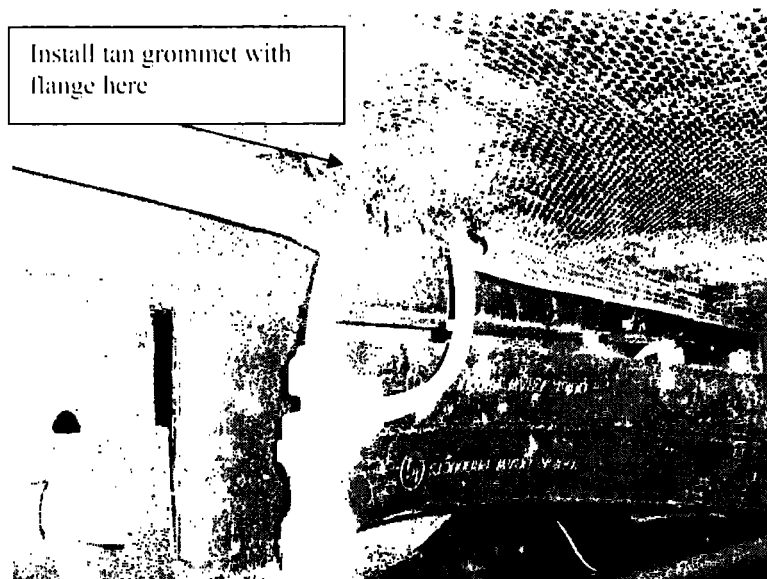


Fig. 3

Step 9 Use silicone chalk to seal previous holes and around new copper lines on bottom side of floor.

Step 10 Use two ¼ x 1-1/2" self drilling screws to attach a 1" x 1" x 8" steel tube at bottom of support channel as a hard stop between channel and main room floor (see fig 4).

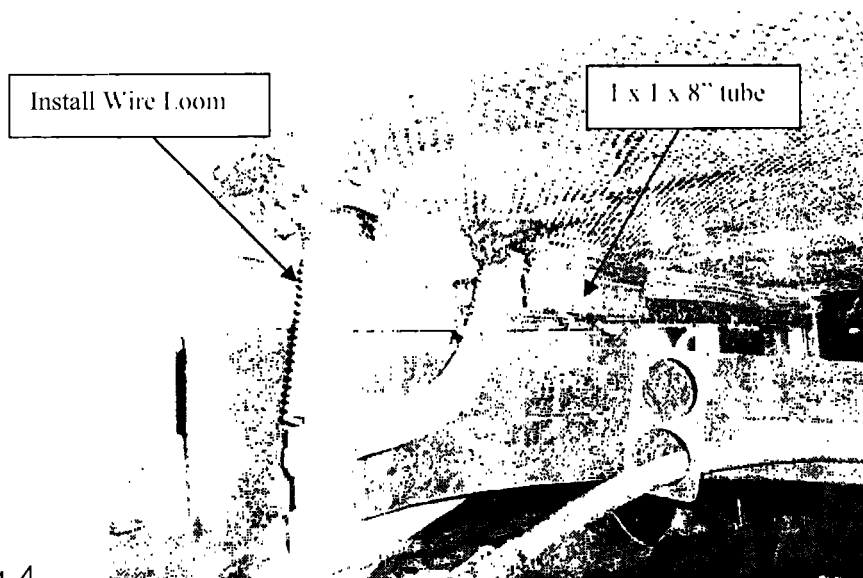


Fig. 4

Step 11 Cover copper tubing with wire loom between floor and brass fitting as shown.

Step 12 Add 'D' seal on edge of main floor as shown (fig 5)

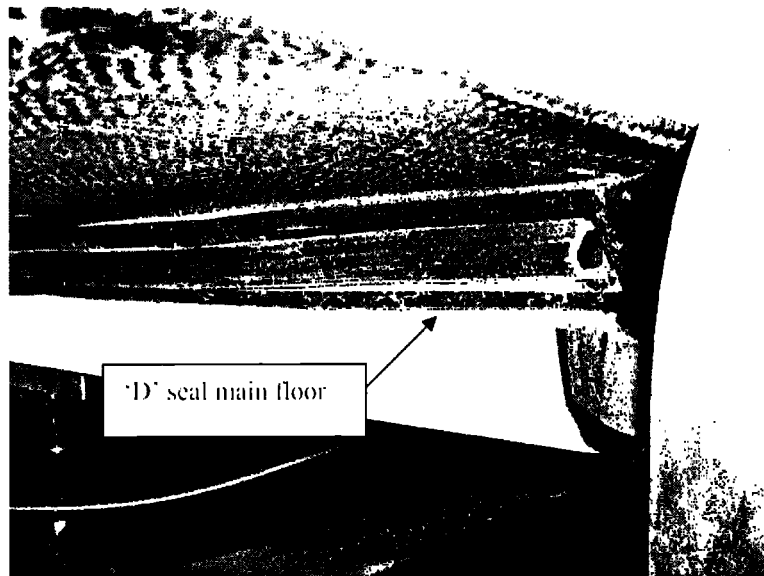


Fig. 5

Step 13 Perform a LP Drop Pressure Test.

Step 14 Turn the propane on at the LP bottles. Check the four LP connections for leaks with a commercial leak test solution.

Step 15 Reinstall the access panels removed in step 3.

Step 16 Verify the room moves to the full in and out position. Adjust the nuts on the end of the hydraulic cylinder as necessary.

Submit labor expense on a Keystone Warranty Claim Form with the **Service Advisory 06 - 067** and **Flat Rate Code # 7106742B** noted in the customer complaint section. The amount of time authorized for this repair is 4.0 hours per vehicle.

If you have any questions please call Keystone RV Customer Service at (866) 273-1452.