

05U-083
(8Pass)

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

On February 25, 2005, Keystone RV Company [MFR] decided that a defect which relates to motor vehicle safety exists in the 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 4, 2005

Furnish the manufacturer's identification code for this recall (if applicable): 05-053

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, Dealer Parts & Service Manager, Keystone RV Company Customer Service

Telephone Number: 574/537-3925 Fax No.: 866-273-1451

Name and Title of Person who prepared this report:

Garett Carolus, Dealer Parts & Service Manager

Mark Bullock, VP Engineering

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.

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OFFICE OF DEFECTS
AND NONCOMPLIANCE

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: Cambridge **Model Year Involved:** 2006 **Models:** CA361RLS06, CA358RLS06

Production Dates: Beginning: 11/29/2004 **Ending:** 3/4/2005

VIN Range: Beginning: 4YDF361246P580001 **Ending:** 4YDF358296P580088

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

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

The vehicles included in the recall range have dimmer style light switches. The vehicles built after the recalled vehicles do not have a dimmer style light switch.

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%

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 dimmer switch may be wired with reverse polarity during production. This will cause the lights on the switched circuit to either not function at all or the dimmer switch will not dim or shut off the lights. If the latter is true, the switch may become very hot and melt the plastic housing of the switch.

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

The dimmer switch may be wired with the incorrect polarity during production.

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

The switch could become extremely hot and melt possibly resulting in a fire.

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

The lights on the switched circuit will stay on all the time when the circuit is energized or the lights will not function at all.

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.

February 25, 2005 - During production a switch failed. Upon inspection of the switch, a black spot was noticed where the switch had become very hot. The electricians in the plant noticed that the wiring polarity to the switch in some vehicles was reversed. All vehicles still at the production facility were inspected and the wiring was corrected as necessary. It was determined that all Cambridge vehicles that had been produced should be inspected for this defect and corrected.

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.

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.

To verify the switch is wired correctly, the switch will be tested to determine if it turns the lights on, dims the lights and shuts them off. If the switch does not pass this function test, it will need to be replaced and wired according to Keystone RV Company Service Advisory 05-053.

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

A correctly operating switch will turn the lights on and off and dim the lights. A switch that is not wired correctly will not turn the light on or will not turn off or dim the lights when the circuit is energized.

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.

After the problem was identified, a procedure was put in place to ensure the dimmer style switch will be wired correctly. The dimmer style switch was eliminated and a regular on-off switch was substituted until a dimmer style switch could be procured that will not be susceptible to incorrect wiring.

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.

To be determined.

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 # 05-053

Cambridge Dimmer Switch Wiring

Models Included: 2006 Cambridge 361 RLS & 358 RLS

Serial Number Range: 580001 – 580088

Parts Required per Unit: Qty to be determined upon inspection results. Up to 4 Dimmer Switches per unit – 3 White & 1 Black

Black – KRV # 168520

White Bezel – KRV #172377 (To get a white switch, order a black switch and a white bezel)

Tools Required: #2 Square Screwdriver, Multi-meter, Wire Strippers

It has been determined that the wiring for the dimmer switches may be incorrect on the models listed above. The following repair procedure describes how to check for correct function of the dimmer switches and take corrective action if necessary.

1. Check each dimmer switch for correct function. Note: There are four dimmer switches in each unit. There is a black switch located by the electrical control panel. There is a white switch located by the bathroom sink and there are two white switches located in the bedroom slide-out.
2. Test the switch by turning it on and rotating the dimmer knob. Verify the lights turn on, off and dim. If the switch functions correctly, there is not a problem. Please fill out a claim form as directed at the end of this Advisory.
3. If the switch does not function correctly, **replace the switch.**
4. Remove the switch and disconnect from the trailer wiring.
5. Each wire pair in the trailer consists of one 12-volt positive (colored) wire and another ground (white) wire. There will be a total of four wires (two pair) going to the switch. The colored positive wires may be of a different color, but the ground wires will always be white.
6. Use a multi-meter to determine which of the colored wires has 12-volt power coming from the power center to the switch. The wires without voltage present will be going to the lights.
7. Using a new switch, connect the wire pair with 12-volts present to the side of the switch marked "DC IN". The red wire on the switch goes to the colored positive 12-volt wire and the black wire on the switch goes to the white ground wire from the unit. See Figure 1 and 2.
8. Connect the other pair of wires to the "DC OUT" side of the switch. The colored wire from the unit goes to the red wire on the switch and the white wire from the unit goes to the white wire on the switch. See Figure 1 and 2.
9. Test the switch by turning it on and rotating the dimmer knob. Verify the lights turn on, off and dim.

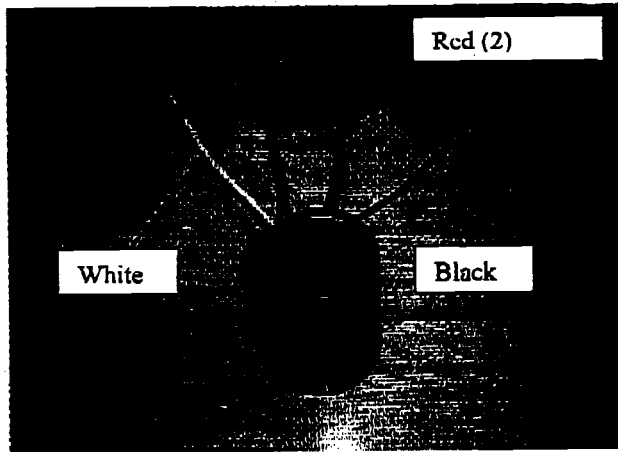


Figure 1

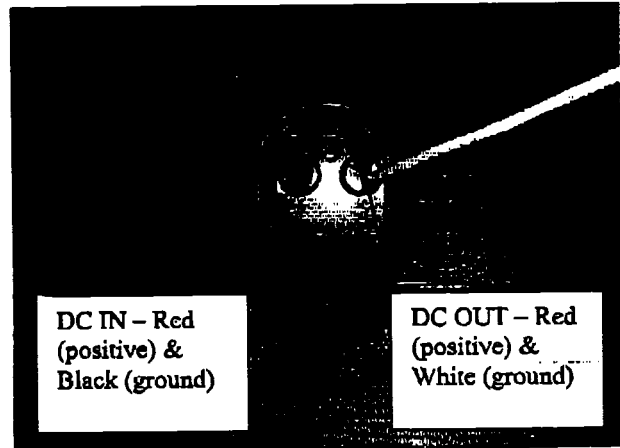


Figure 2

For verification only of the four switches functioning per unit, submit labor expense on a Keystone Warranty claim form with **Service Advisory # 05-053** and **Flat Rate Code #7105342F** noted in the customer complaint section of the form. The amount of time authorized for this repair is 0.3 hours per unit.

For each switch that is replaced submit an additional labor expense on a Keystone Warranty claim form with **Service Advisory # 05-053** and **Flat Rate Code #7105342B** noted in the customer complaint section of the form. The amount of time authorized for this repair is 0.3 hours per switch.

If you have any questions please call Keystone RV Customer Service at **(866) 273-1450**.