

## SERVICE ADVISORY # 06-072

### Cougar Spring Replacement

#### Models Included:

2007 Cougar 311RLS Fifth Wheels Manufactured in Goshen, Indiana

#### Serial Number Range:

4YDF3112172500221 - 4YDF3112772501230

#### Parts Required per Unit:

4 – 115843 Axle Springs    8 – 121749 Shoulder Bolts    8 – 119667 Lock Nuts

1 – Replacement Axle Tag (Supplied by AL-KO)

#### Tools Required:

-Impact Wrench    -Torque Wrench    -Box End Wrench 13/16"

-Ratchet Wrench    -Socket 13/16"    -Wheel chocks

-Floor Jack (adequate to trailer weight)    -Jack Stands

**Keystone is conducting a voluntary RECALL notification campaign in accordance with the National Highway Transportation and Safety Act. The above 2007 Cougar 311 Fifth Wheels may have been manufactured with the incorrect axle spring rating. The following procedure describes how to perform the repairs required.**

#### GENERAL INFORMATION

- Stock units must be remedied before selling.

#### INSPECTION

Step 1      Locate the trailer on a level flat hard surface. Chock the wheels.

Step 2      Located the metal axle tag on the axle tube  
as shown in the picture.



Step 3      If the axle tag indicates a rating of 5200 LBS, the axle springs are the correct rating. Proceed to section three, Warranty Reimbursement to submit a claim for inspection.

Step 4      If the axle tag indicates a rating of 4400 LBS, the axle springs need to be replaced. Record the information on the axle tag and submit the information to Keystone RV with a parts order for the part numbers indicated above. A new tag will be shipped with the springs indicating the 5200 LBS axle rating. All other components on the axle are rated at 5200 LBS.

Step 5      Once the parts arrive, proceed to the Spring Replacement instructions on the next page.

**SPRING REPLACEMENT INSTRUCTIONS****ONE:        PREPARING THE TRAILER**

- Step 1        Locate the trailer on a level flat hard surface. Chock the wheels.
- Step 2        Use a floor jack of sufficient capacity to raise one side of the trailer. Place the floor jack under the main frame rail behind the rear spring hanger, leaving enough room to install a jack stand immediately behind the spring hanger. Elevate the frame enough so that tire clears the shop floor approximately 2".
- Step 3        Install a jack stand of sufficient capacity directly behind the rear spring hanger.
- Step 4        Relocate floor jack to an area just forward of the front spring hanger and follow steps 2 and 3.

**TWO:        SPRING REPLACEMENT**

- Step 1        Support one of the axle tubes with a hydraulic jack.
- Step 2        Remove the U-bolts attaching the axle tube to the springs.
- Step 3        Lower the axle enough to remove spring.
- Step 4        Remove spring by removing bolts attaching it to shackle and spring hanger.
- Step 5        Attach the replacement spring using new shoulder bolts and lock nuts. Torque to 30 – 50 ft.-lbs. Note – be sure shoulder portion of the bolt is installed correctly through the shackle links and spring hangers so the suspension parts can rotate freely.
- Step 6        Reattach the axle tube to the springs with the U-bolts removed in Step 2. Begin to tighten the U-bolts evenly in a cross pattern. Finish by applying 45 – 60 ft-lbs of torque to the U-bolts in a cross pattern.
- Step 7        Remove the 4400 LBS axle tag and install the new tag with the 5200 LBS rating.
- Step 8        Repeat steps 1 – 7 for each spring.

**THREE:      WARRANTY REIMBURSEMENT****For Inspection Only**

Submit the claim on Key Express or on a Keystone Warranty claim form with **Service Advisory # 06-072** and **Flat Rate Code # 7107242F** noted in the customer complaint section of the form. The amount of time authorized for inspection is 0.5 hours.

**For Spring Replacement**

Submit the claim on Key Express or on a Keystone Warranty claim form with **Service Advisory # 06-072** and **Flat Rate Code # 7107242B** noted in the customer complaint section of the form. The amount of time authorized for this repair is 2.5 hours.

**FOUR:        PART DISPOSITION**

Please discard the axle tag, springs, bolts and nuts removed. Return to Keystone is not required.

If you have any questions please contact us through normal channels at:

Team Cougar (Indiana)

866-273-1454