

**IMPORTANT:** If you are experiencing slider issues, it may be due to a period of inactivity and an accumulation of debris in the mechanism.

Corrosion of vehicle components due to over exposure to very corrosive melting agents used on the roads can also be a second contributing factor.

Periodic maintenance as outlined below is a recommended first step. If this doesn't resolve the issue, perform the troubleshooting inspections to identify the source of the problem.

### **Periodic Maintenance:**

Perform these steps every 3 months or more frequently as required. See LT-SK37U-03 for a complete list of maintenance requirements.

- 1) **Unlock, move and re-lock the slider.**
- 2) **Clean and remove debris from the mechanism as required.**
- 3) **Lubricate pivot points with penetrating oil, such as PB Blaster or Kroil as required.**

## **TROUBLESHOOTING**

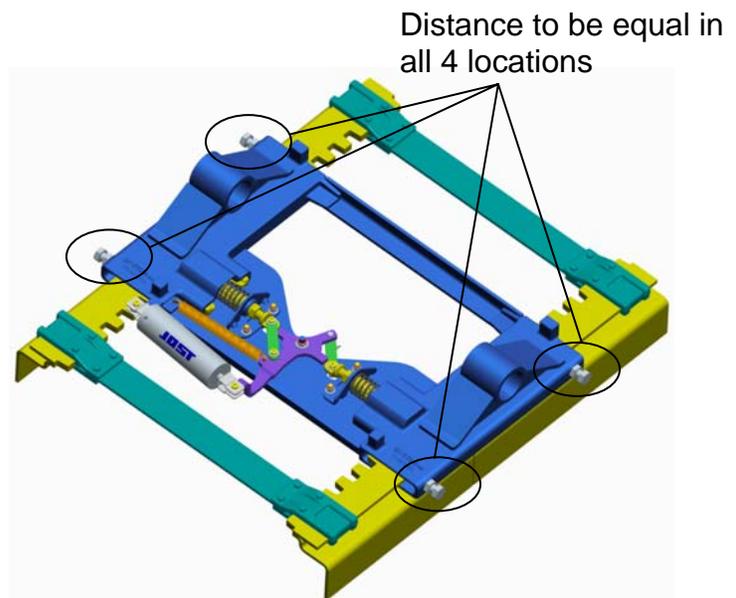
### **Inspection #1: Adjustment Screws**

If the adjustment screws are not in proper alignment it can limit the travel efficiency and cause the bracket to bind. Inspect the adjusting screws to ensure proper slider operation.

**Proceed as follows:**

**Step 1-1) Tighten all the screws until they contact the slide rack, making sure they extend the same distance in all 4 locations, then loosen each screw 1/2 turn and set the jam nut.**

**Step 1-2) Slide the bracket fore and aft, checking for free movement. Re-adjust as required.**



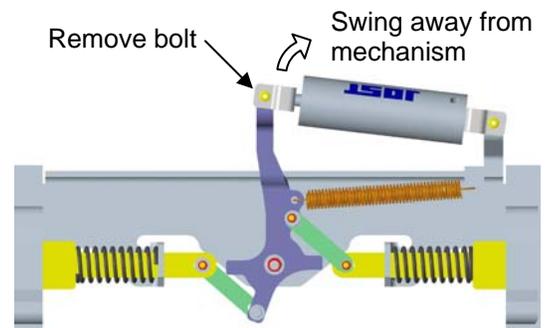
### Inspection #2: Air Cylinder

Step 2-1) Check for adequate air pressure. The Jost air cylinder requires 90psi to operate.

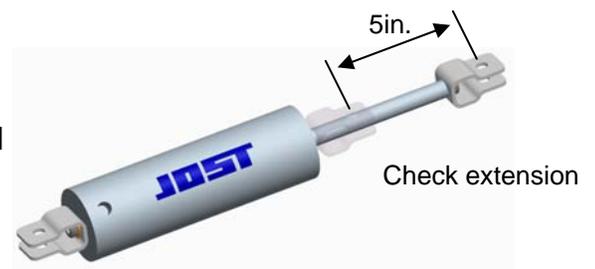
Step 2-2) Make sure air is off and disconnect the air line from the air cylinder. Energize the air and drain water from the lines. If air *is not* getting to the cylinder check the air system for the failure.

**Caution:** The mechanism may be under spring tension and could spring closed without warning.

Step 2-3) Remove the bolt attaching the rod end of the cylinder to the pivot arm and swing the cylinder away from the mechanism.



Step 2-4) Verify cylinder extension;  
a. Measure the current rod extension.  
b. Energize the air to extend the cylinder.  
c. Verify that the difference between extended length and retracted length is 5in.



**Important:**

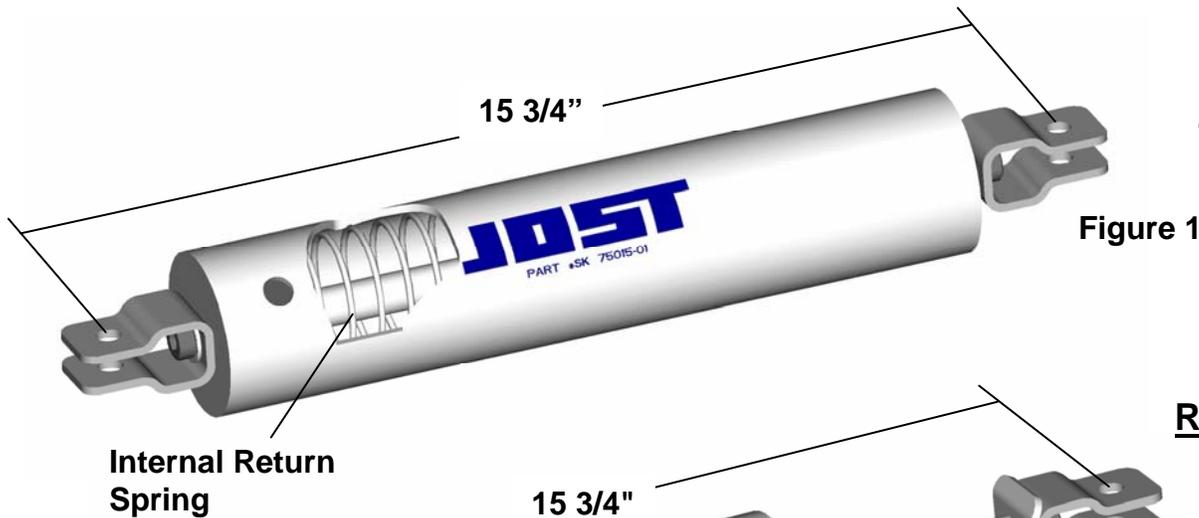
It may be necessary to drain any water from the air cylinder.

- If rod does not extend or the difference is *less than* 5in, replace the cylinder (see page 5).
- If difference is *equal to* 5in; this indicates that the cylinder is ok but the slider may be out of square or there is a problem with the release mechanism, continue to inspection #3.

### Inspection #2: Air Cylinder Con't

The old style cylinder, with an internal spring (see Figure 1) was on fifth wheels shipped before April 2005. For the old style cylinder replacement, the cylinder will now contain an external spring (see Figure 2).

**These cylinders are used on sliders shipped before April 2005.**



**NO LONGER  
AVAILABLE**

Figure 1



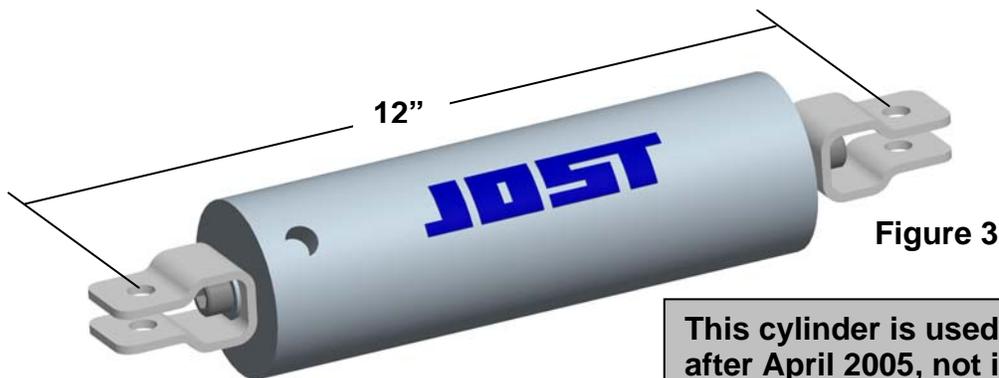
**REPLACEMENT  
SK-75015-01**

Figure 2

This cylinder is used to replace the cylinder shown in Figure 1, for sliders shipped before April 2005.

Figure 3 shows the new design air cylinder which does not require an external return spring because the return spring is attached to the mechanism.

**These cylinders are used on sliders shipped after April 2005.**



**NEW DESIGN  
SK-75015-03**

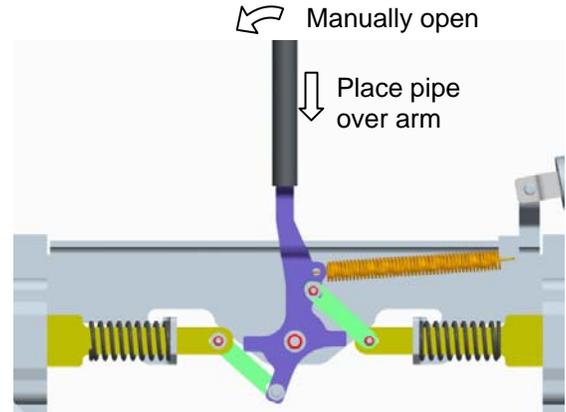
Figure 3

This cylinder is used on sliders shipped after April 2005, not interchangeable with either cylinder shown above.

### Inspection #3: Release Mechanism Operation

Due to infrequent use, the mechanism may be corroded or bound with dirt and debris. It is important to keep this area clean. Follow the steps below to inspect and clean the release mechanism.

**Step 3-1) Place a pipe over the pivot arm and open the release mechanism to break free the corrosion, dirt and debris.**



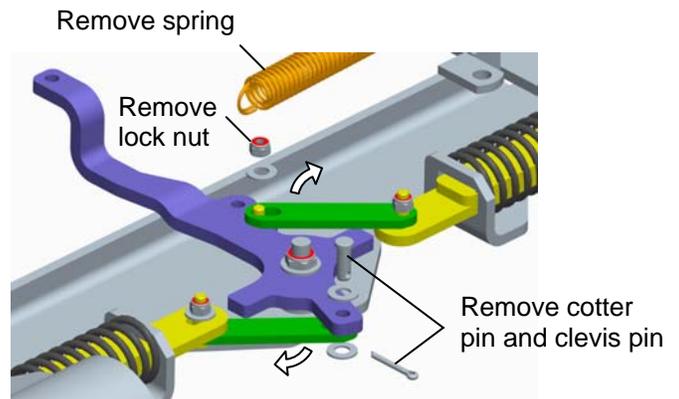
**Step 3-2) Clean all pivot points and spray with penetrating oil, like PB Blaster or Kroil.**

**Step 3-3) Reconnect air cylinder and check for proper operation.**

- If the mechanism operates freely you are finished with the troubleshooting procedures.
- If the mechanism does not operate freely go to step 3-4

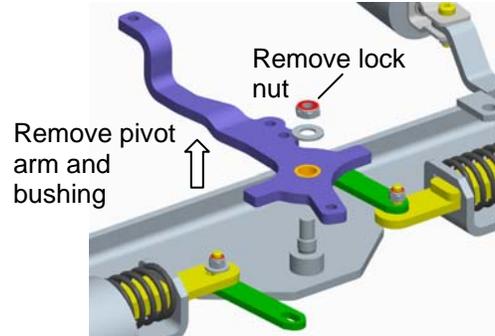
**Step 3-4) Disassemble mechanism;**

- Remove double coil spring.
- Remove lock nut and washer.
- Remove cotter pin and clevis pin from.
- Rotate linkage bars out of the way.



### Inspection #3: Release Mechanism Operation Con't

**Step 3-5) Remove lock nut and washer from pivot post and remove Pivot Arm and bushing.**



**Step 3-6) Remove bushing from pivot arm and replace with new SK-77292-01.**

**Reassemble with marine grade anti-seize grease on all pivot points.**

