



## SERVICE BULLETIN

**Subject:** Stow Lock Latch Adjustment  
**Applicable Products:** S-Series and K-Series  
**Effectivity:** Serial numbers 32,000 and above

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Ricon service bulletins are for use by professional service technicians, and are not intended for use by non-professionals (do-it-yourselfers). Service Bulletins alert technicians to issues that may occur with Ricon products, and are intended to assist the technician in the proper service of those products.

Professional service technicians have the background and knowledge to perform maintenance work properly and safely.

An issue described by a service bulletin does not necessarily apply to every unit in a product line. A Ricon authorized service technician will be able to determine which units can benefit from the information provided here.

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### Introduction

This bulletin outlines an adjustment procedure for the stow lock. The lift hydraulic system can leak down over time, and allow the platform to move outward and contact the vehicle door. The stow lock is an electro-mechanical locking device that is designed to hold the stowed platform securely and prevent it from moving outward and damaging the door. The stow lock is also a safety device because it prevents unintentional platform movement when the vehicle door is open.

### Incorporation

Ricon recommends the incorporation of this service bulletin at the next scheduled maintenance.

### Related Bulletin

[Fold cutoff switch adjustment](#)

### Information

The fold cut-off switch must be properly adjusted before checking and adjusting the stow lock latch (See related bulletin).

### Corrective Action

#### Determine need for adjustment:

The stow lock latch is fastened to the lower surface of the bridgeplate (**Figure 1**). Engagement occurs at the end of the stow cycle when the bridgeplate slides over the baseplate. The latch then engages a catch that is fastened to the top surface of the baseplate (**Figure 2**). When the stow lock is properly engaged there is a gap between the latch and catch of 1/8" maximum (**Figure 3**). An adjustment is needed if the gap is greater than 1/8".

#### Make the adjustment:

The bridge plate has four installation positions for the stow lock latch (**Figure 4**). The latch itself is designed so that it can be installed in one of two possible orientations (**Figure 5**). Note that the distance from the two screw holes to the flat edge of the latch is different on the top and bottom sides. This provides eight possible positions for installing the latch, and each position will result in a different gap.

1. Verify that the fold cut-off switch is properly adjusted.



**CAUTION!**

Do not over pressurize the hydraulic system during the next step.



2. Verify that platform is fully stowed by using the manual back-up pump (with the lift in the stowed position) to pressurize the hydraulic system. Refer to the manual operation section of the operator manual for back-up pump operating instructions.
3. Measure the gap between the latch and catch. Continue to next step if the gap is greater than 1/8".



**CAUTION!**

Install the latch with the 90<sup>0</sup> edge facing towards the bridgeplate hinge. This orientation will result in the rounded edge being able to ride over the catch during stow. When fully stowed, the 90<sup>0</sup> edge will fall behind the catch.

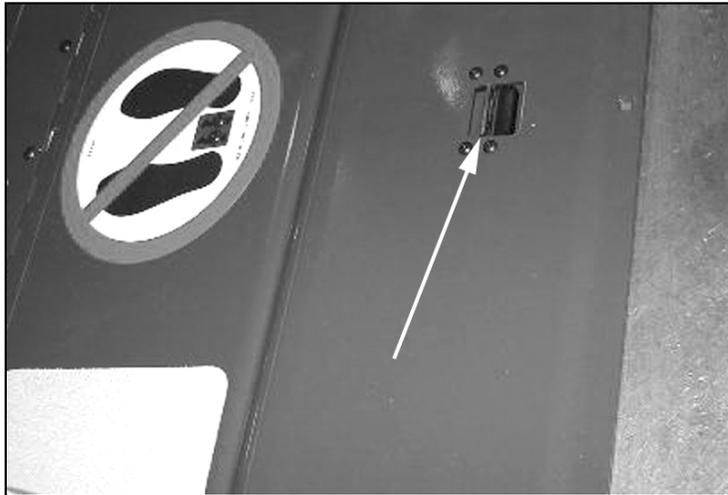
4. Remove the two screws that fasten the latch and reposition the latch to achieve the 1/8" or less measurement. Tighten screws.

**NOTE:** Rattling and vibration of the platform will be reduced when the gap is made as small as possible.

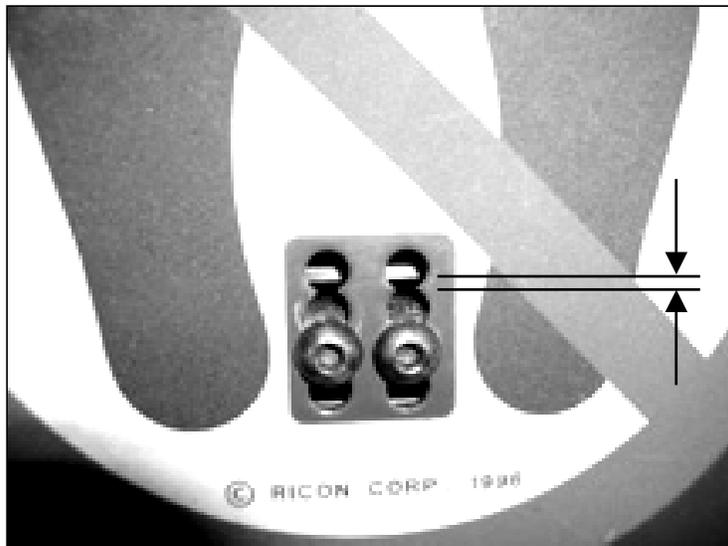
5. Test the adjustment by deploying and stowing the platform several times to verify the stow lock latch engages the catch every time.



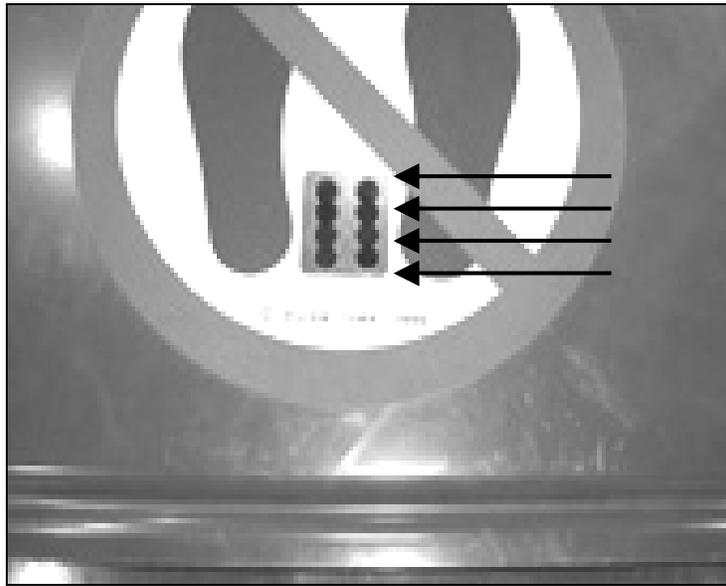
**FIGURE 1: STOW LOCK LATCH**



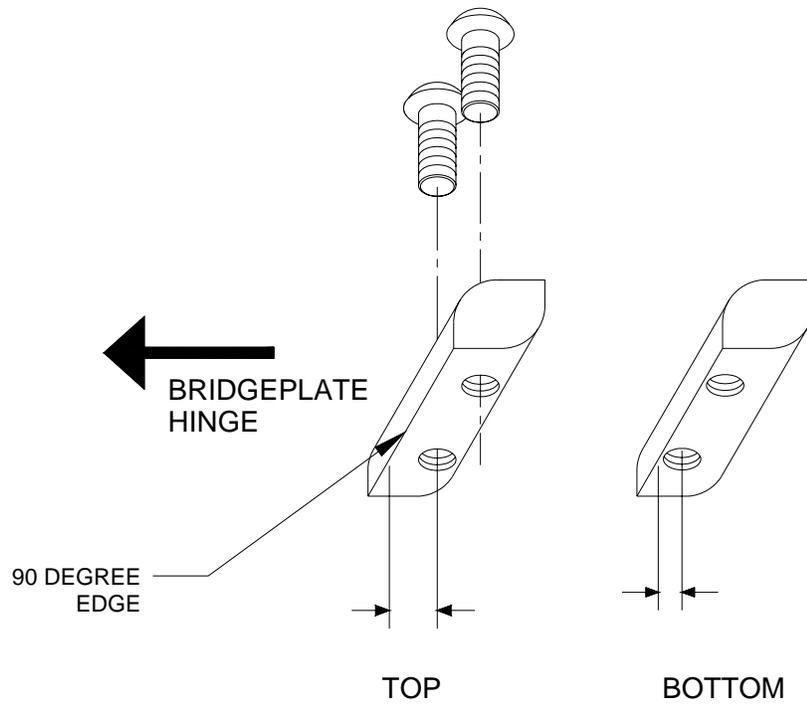
**FIGURE 2: STOW LOCK CATCH**



**FIGURE 3: STOW LOCK GAP**



**FIGURE 4: INSTALLATION POSITIONS FOR LATCH**



**FIGURE 5: ORIENTATIONS FOR LATCH**