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SERVICE BULLETIN

Subject: Setting Platform Stow Height and Intermediate Height
Applicable Products: F9T & F9TF LiftPRO
Effectivity: All stepwell and baggage bay installations

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.

Introduction
This bulletin provides step-by-step procedures for programming the platform stow height and the platform intermediate height.

The corrective action section of this bulletin is in two parts. The first deals with setting the stow height and the second deals with setting the intermediate height.

The stow height is factory set and normally does not require resetting. However, if major lift disassembly is done, or the vertical travel limit has been readjusted, then stow height must be reprogrammed.

Some dedicated entry models have an additional platform position referred to as "intermediate height". This height is generally a few inches below floor height, and is also factory-set. The height may be reprogrammed for specific applications, or after major repair work. Note that some dedicated entry models move the platform directly from the ground to floor height, without stopping at an intermediate position.

Incorporation
Ricon recommends this service bulletin be used when major lift disassembly is done, or the platform vertical travel limit has been readjusted.

Information
The height of the platform prior to being pulled into the enclosure is referred to as "stow height". The platform will enter the enclosure without difficulty when stow height is properly set. If the platform stow height is slightly high or low, the platform movement may be hindered when it enters the enclosure.

Some dedicated entry applications (baggage bay lift location) require the platform to stop at a height that is just below floor level. Once stopped, the sliding door at this location is opened, and then the platform proceeds to floor level.

NOTE: The stow and intermediate height values are stored indefinitely in the controller memory. Programming the controller will clear the present value and store a new value.

Caution
- The platform is heavy and somewhat awkward to handle. Be cautious when moving the platform by hand, and be alert to the location of your hands at all times.
- Do not attempt adjustments without the presence of a person capable of rendering aid, and take notice of all injuries, regardless of how slight. When necessary, administer first aid or seek medical attention immediately.
- Exercise caution when operating the lift to avoid injury. Be certain that hands, feet, legs, and clothing are not in the path of the platform as it moves.

- Keep others clear during lift operation.
- Thoroughly understand the operating instructions before attempting to operate the lift.

Parts

A programming switch is available to program the stow and intermediate heights into controller memory. It is Ricon part number 17885.

Corrective Action

1. To Program Stow Height:
   a. Deploy platform using OUT button on pendant.
   b. Refer to **Figure 1**. Use the manual back-up pump in combination with the manual pressure release valve to position the top surface of the platform lifting arms at the same height as the top surface of the carriage. This alignment minimizes interference between the platform and enclosure during the stow movement.
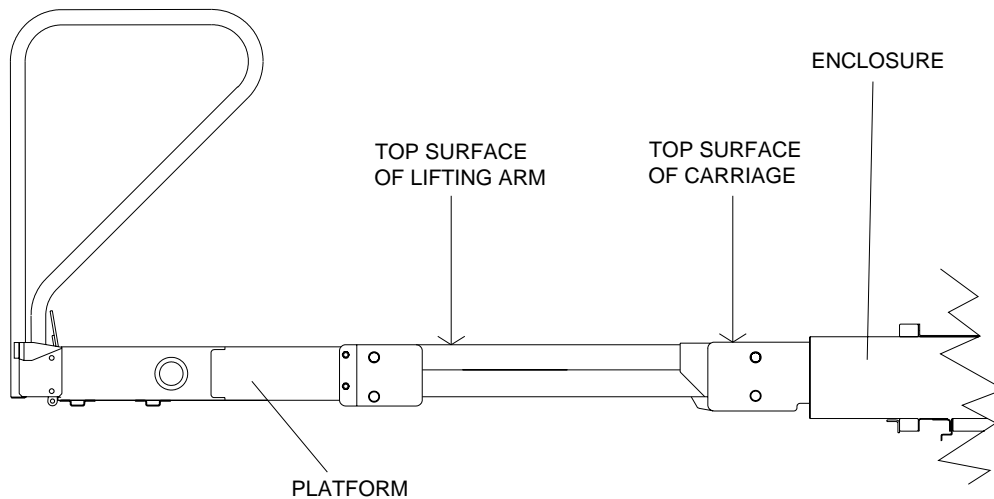
Figure 1: Lifting Arms and Carriage at Same Height

   c. Refer to **Figure 2**. Release manual platform lock and hand-push platform into enclosure. Stop pushing when the front face of white stow guide block (tear-drop shaped plastic block) is adjacent to front edge of enclosure. The stow guide block will be visible from front of lift.
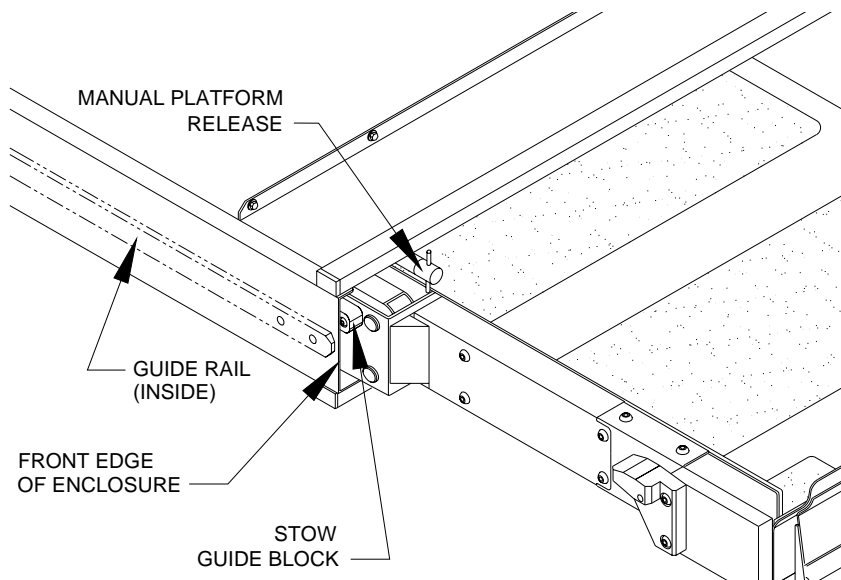
Figure 2: Stow Guide Block At Front Edge Of Enclosure

d. Lower platform by opening the manual pressure release valve (located on pump assembly) and let both stow guide blocks (left side and right side) settle on guide rails. Close valve.

e. Raise platform with the manual back-up pump until the stow guide blocks are approximately 1/32 inch above guide rails.

f. Hand-pull platform completely out of enclosure; the platform must lock in place to assure accurate data entry. Check the lock by attempting to push platform into enclosure; it must not move.

NOTE: The platform must be fully deployed for the controller to accept a stow height value.

g. Refer to **Figure 3**. The connector that the programming switch will be connected to is attached to the underside of the controller bracket. The connector is protected with a removable plug. Connect programming switch to connector.
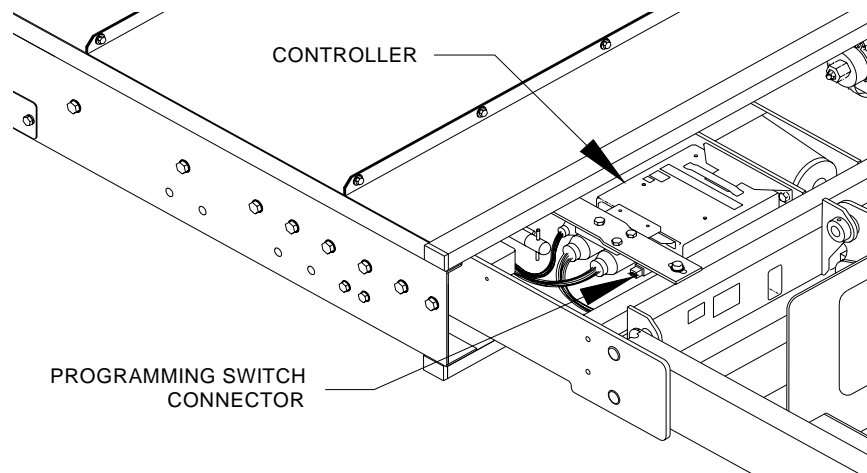

Figure 3: Programming Switch Connector
[Right side pullbox model is shown; left side model is reversed]

h. Press the OUT switch three times (OUT switch is on control pendant). Press the programming switch button for approximately ten seconds to program stow height. Disconnect the programming switch and replace plug.

NOTE: The programming switch is enabled for a period of 5 minutes after the OUT switch is pressed three times. The programming mode is ended when any other switch is used during this period.

NOTE: The following two steps might lower the platform to a point that is slightly below the programmed stow height, which is acceptable.

i. Raise platform (use pendant) at least one foot above the stow height.

j. Begin to stow platform from this raised position and stop its movement when platform has entered the enclosure approximately six inches.

NOTE: The following two steps might raise platform to a point slightly above the programmed stow height, which is acceptable.

k. Deploy platform (use pendant) and lower it at least one foot below stow height.

l. Stow platform from this lowered position and stop its movement when platform has entered enclosure approximately six inches.

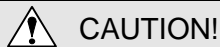m. Repeat steps i, j, k, and l.

n. Repeat steps i, j, k, and l.

NOTE: Steps i. through l. represent one test cycle. Small errors in the stow height are detected by the controller and reduced with each test cycle.

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2. To Program Intermediate Height

NOTE: This section applies to dedicated entry models, only.

⚠ CAUTION!
Ricon recommends that stow height be programmed <u>before</u> intermediate height.

> **NOTE:** This procedure may require the use of the manual back-up pump to raise the platform because the ↑ /UP button (on pendant) is disabled. The ↓ /DOWN button can still be used to lower platform.

a. Deploy platform (use pendant).

> **NOTE:** The platform must be <u>fully deployed</u> before the controller can accept an intermediate height value.

b. Raise platform to the required height for the intermediate position; this height must be at least two feet above stow height.

c. Refer to **Figure 2-5**. The mating connector for the optional programming switch is attached to the underside of the controller bracket. The connector is protected with a removable plug. Connect programming switch to connector.

d. Press the OUT switch three times (OUT switch is upper portion of OUT/IN rocker switch on control pendant). Press the programming switch button for approximately ten seconds to program intermediate height. Disconnect programming switch and replace plug.

> **NOTE:** After the OUT switch is pressed three times, there is a time period of 5 minutes during which the programming switch is enabled. Programming will be disabled if any other switch is used during this period.

e. Verify that programmed intermediate position is correct by stowing platform, and then deploying and raising it to intermediate height.

> **NOTE:** It is acceptable for the intermediate position to vary +/- ½ inch from the programmed height.