

savaria *Technical Bulletin*

Pro-lock maintenance

Unless otherwise specified, Savaria Corporation accepts no responsibility for changes, labour, or replacements incurred from this technical bulletin.

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| Part number | 000849 |
| Type | Maintenance procedure |
| Bulletin number | 29-m05-2014 |
| Affects | Prolift SCL, Prolift HD, PAL |
| Suggested action | Use this bulletin to perform maintenance on the Pro-lock. |

Standard notations

The following notations may be used throughout this technical bulletin to emphasize important safety information, mechanical concerns, and other important information. Savaria recommends that you review and follow all of these messages.

| | |
|---------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  DANGER | Danger messages indicate an imminently hazardous situation, which, if not avoided, results in death or serious injury. All danger messages feature a standard ISO safety alert symbol followed by the signal word <i>Danger</i> in capitalized black lettering on a red background. |
|  WARNING | Warning messages indicate a potentially hazardous situation, which, if not avoided, could result in death or serious injury. All warning messages feature a standard ISO safety alert symbol followed by the signal word <i>Warning</i> in capitalized black lettering on a dark yellow background. |
|  CAUTION | Caution messages indicate a potentially hazardous situation, which, if not avoided, could result in death or serious injury. All caution messages feature a standard ISO safety alert symbol followed by the signal word <i>Caution</i> in capitalized black lettering on a yellow background. |
| CAUTION | Caution messages that do not include the ISO safety alert symbol indicate a potentially hazardous situation for the machine only, which, if not avoided, could result in damage to the machine. These caution messages include the signal word <i>Caution</i> in capitalized black lettering on a yellow background. |
| NOTE | Note messages provide information, such as reminders, general information about a previous statement, or additional guidelines that do not fit into the flow of the preceding text. All note messages include the signal word <i>Note</i> in capitalized white lettering on a blue background. |

General

This technical bulletin is available through Savaria and provides maintenance information for the Pro-lock.

Please contact Savaria for details regarding ordering information.

For technical support, please call (800) 791-7999.

Visit our website at: www.savaria.com.

Disclaimer

Failure to follow instructions renders the Limited Warranty null and void. In addition, any party installing or servicing the product who deviates from these instructions agrees to indemnify, save, and hold harmless the manufacturer from any and all loss, liability, or damage that may occur as a result of the deviation.

Warnings and hazards

| | |
|--------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
|  WARNING | To avoid injury, please ensure that you read and understand this entire bulletin before performing the procedures. |
|  ELECTRICAL SHOCK HAZARD | Do not connect or disconnect any wiring while the power is on. Failure to comply could result in death or serious injury. |
|  DANGER | Make sure all power disconnects are turned OFF if performing any electrical work. |

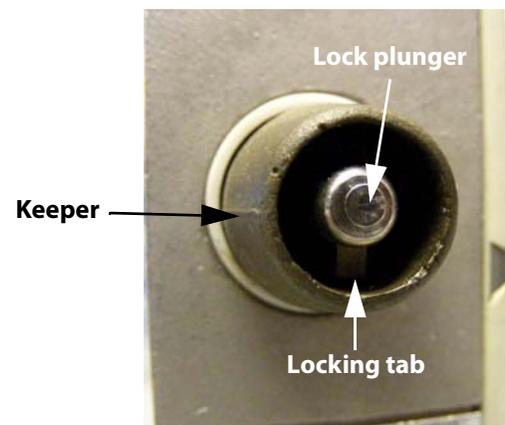
Pro-lock maintenance

Procedure

- 1 Check that the locks are properly secured, clean, dry and corrosion free.
- 2 Check that the beaks and keepers are secure, clean, dry and in good condition.
- 3 Check the locks for wear and verify smooth operation.
- 4 Check that the lock contacts are clean and properly fixed.
- 5 Clean the contacts using a lint-free cloth only; do not use abrasives.
- 6 Check that the lock contact breaks before the door is mechanically unlocked.
 - a. There is a locking tab at the bottom of the lock plunger (see Figure 1) that prevents the contacts from mating unless the beak lifts the locking tab.
 - b. To check this, push the center lock plunger in with a pencil ensuring the lock contacts DO NOT touch.

NOTE: NEVER grease or lubricate the locking tab.
 - c. If the contacts do touch with the center plunger pushed in, then you need to repair or replace the lock.
- 7 Check the lock wiring, switches and solenoids for mechanical damage, security of terminations or signs of excessive heating.
- 8 Verify that rattling the doors during motion does not stop the lift.
- 9 Check that the additional door closed microswitch above the door is properly secured, clean, dry and in good condition.

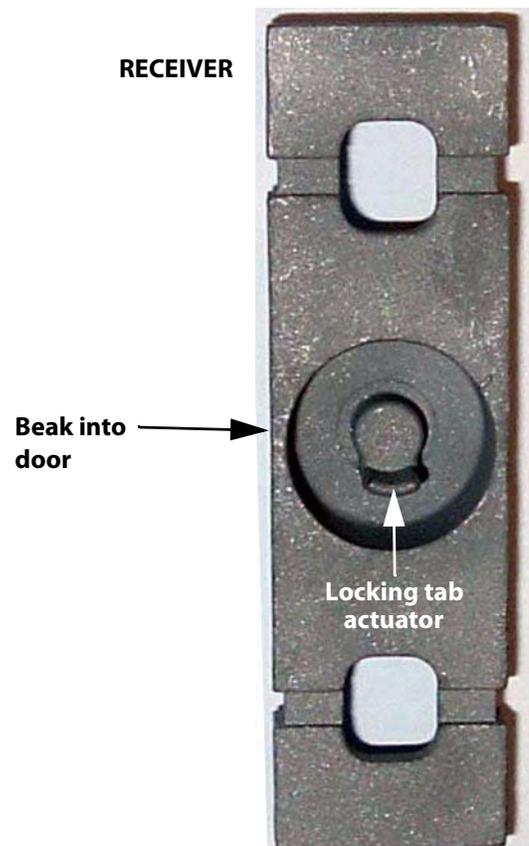
Figure 1
Pro-lock contacts and locking tab



Pro-lock adjustment

Procedure

- 1 There are three ways to adjust the lock contacts as noted below. **No other adjustment is authorized or allowed.**
 - a. There are three nuts holding the lock in place. Loosen these nuts to move the lock closer to or farther from the door.
 - b. The receiver has two bolts holding it in place on the receiver plate. Loosen these bolts and move the receiver to the best position.
 - c. To attain more swipe on the contacts, the receiver plate can be shimmed out from the door using 1/4" flat washers.



2 With proper adjustment, the contacts should be as shown in Figure 2 below.

Figure 2
Critical Measurements

Lock Plunger Not Depressed
4mm - 5mm



Lock Plunger Depressed
Approx. 3mm (using a pencil)



- 3 If adjustment cannot be made to meet the measurements shown above, follow these steps (see Figure 3):
- Inspect the screws (A) holding the contact mounts and ensure they are tight.
 - Inspect the mounts (B) and ensure they are not damaged.
 - Inspect the nuts (C) on the contacts and ensure they have flat and lock washers installed, and that they are tight.
 - Older models may have a clip (instead of nuts) and have soldered wires. Ensure they are tight and the solder connections are in good repair.
 - Replace the lock if any of these items cannot be corrected without making modification to the lock.

Figure 3
Inspect if measurements are not met

