



INSTALLATION INSTRUCTIONS FOR PRESSURE SWITCH KIT #42050

- Be certain that these supplemental instructions are read and understood completely before installation is attempted. You should also refer to the Service/Owner Manual for additional installation instructions and safety precautions.
- Check contents of this kit and notify Ricon immediately of any missing parts. Claims for damages that have occurred during shipping must be made to the shipper.

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- Under no circumstances is maintenance, repair, or adjustment of the product to be performed without the presence of an individual capable of giving aid.
- This lift is driven with hydraulic pressure generated by a hydraulic pump system. The fluid is highly pressurized and possibly very hot. Use extreme caution when doing maintenance and repairs. DO NOT disconnect hoses or fittings when lift is in motion.
- Give immediate attention to all injuries, and administer first-aid, or seek medical attention as necessary.
- Protective eye shields and clothing should be worn during maintenance, repair, and adjustment of the lift.
- Work in a properly ventilated area.
- Check for hidden obstructions before drilling and cutting. Avoid interference with wiring, fuel tank, fuel lines, hydraulic lines, subfloor members, etc.
- Read and understand all instructions before attempting to operate the product.
- Read and understand all instructions before attempting to perform maintenance, repairs, or adjustments to the product.
- Read and comply with warning labels attached to lift.
- Refer to applicable Service Manual for part numbers of replacement parts mentioned here.

I. INTRODUCTION

The purpose of this document is to outline the step by step procedures required to replace the existing pressure switch with a new pressure switch P/N 58611.

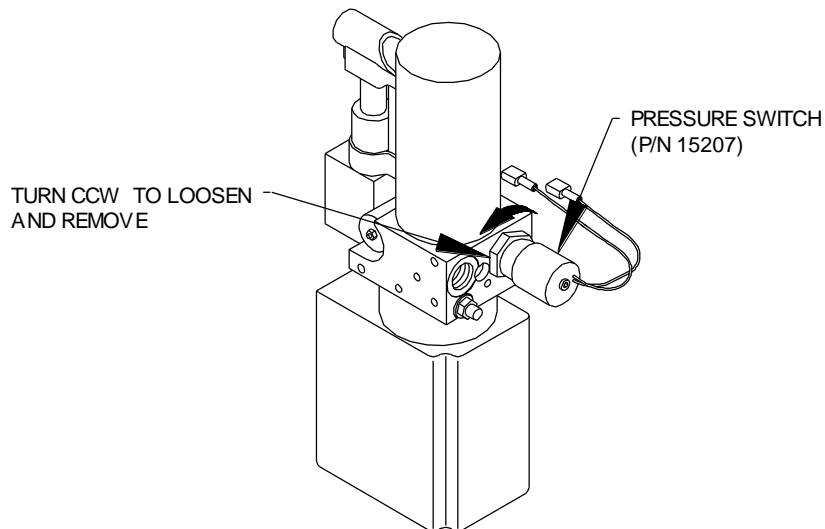
A. TOOLS REQUIRED

- 5/64" Hex Wrench
- 50lb. Weight Fixture
- Wrench

II. PRESSURE SWITCH REMOVAL AND INSTALLATION

A. PRESSURE SWITCH REMOVAL

1. Deploy and lower platform to ground level.
2. Disconnect the pressure switch connectors.
3. Refer to **FIGURE 1**. Use a wrench to turn the 1-1/8" hex nut and remove the pressure switch.



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FIGURE 1: PRESSURE SWITCH P/N 15207

B. PRESSURE SWITCH INSTALLATION

1. Refer to **FIGURE 2**. Use a wrench to turn the 1-1/8" hex nut and install the pressure switch.
2. Connect the pressure switch connectors that lead to the J21 connector of the controller board.

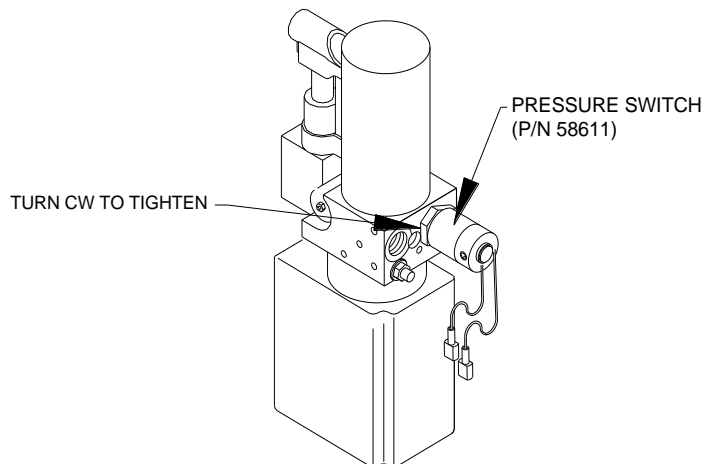


FIGURE 2: PRESSURE SWITCH P/N 58611

3. The pressure switch is correctly set if pump motor shuts off when attempting to stow the lift, preventing inward movement of platform. If pump motor does NOT shut off then pressure switch must be adjusted.

NOTE: Adjustment of the pressure switch must be performed with the following 50lb. test procedure.

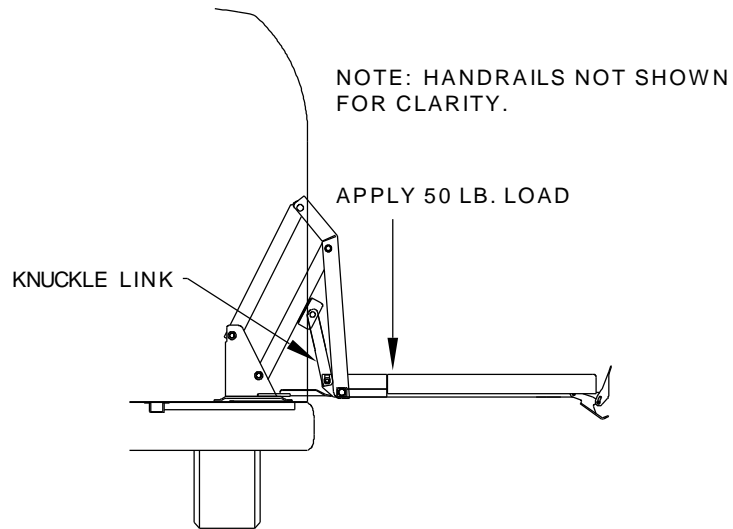
III. PLATFORM PRESSURE SWITCH CHECK AND ADJUSTMENT

1. Check fluid level and check for leaks.

NOTE: Platform pressure switch check and adjustment must be performed with 50lb. test procedure. Correct adjustment of this pressure switch is required to prevent platform from folding into vehicle when there is a load of 50lbs., or more, on platform.

NOTE: Maximum hydraulic system pressure is factory set at 1100psi.

2. Apply power to lift
3. Deploy and lower platform to ground level.
4. Refer to **FIGURE 3**. Place a 6" x 6" x 12", 50 lb. load on the rear, center portion of platform then raise platform to vehicle floor level by pressing and holding the STOW switch.



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FIGURE 3: 50 LB. LOAD

NOTE: Weight must be 50lbs and placed 6 inches from rear edge of platform mesh as shown in **FIGURE 4**.

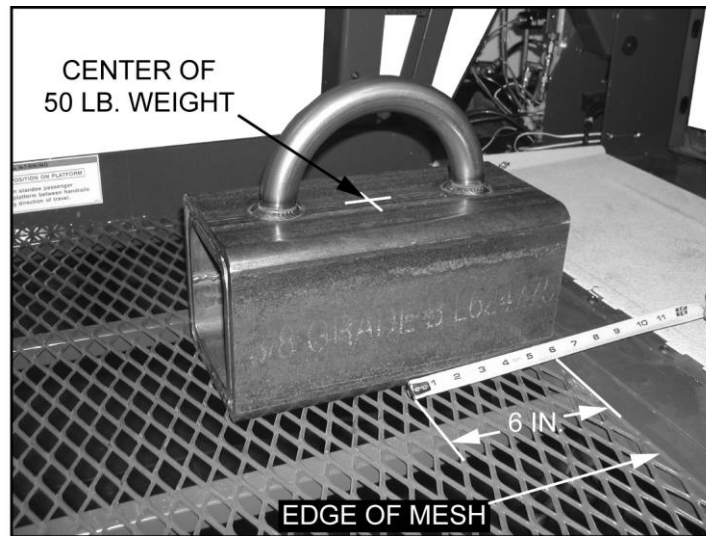


FIGURE 4

5. Refer to **FIGURE 5**. If alternate size of weight is to be used, the center of the weight must be 6 inches from the rear edge of the platform mesh.

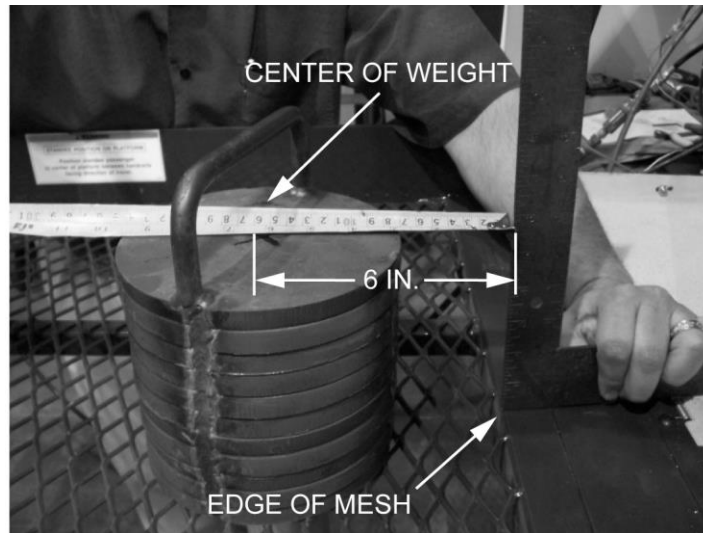


FIGURE 5

6. The pressure switch is correctly set if pump motor shuts off when attempting to stow the lift, preventing inward movement of platform. If pump motor does NOT shut off then pressure switch must be adjusted.
7. The pressure switch is not correctly set if pump motor does NOT shut off and there is inward movement of the platform. Adjustment of the pressure switch will be required.

NOTE: If adjustment is necessary then pressure switch must be adjusted as shown in **FIGURE 6**.

8. Refer to **FIGURE 6**. Loosen the locking set screws from the hydraulic pressure switch, using a 5/64" hex wrench to allow adjustment of the hydraulic pressure switch.

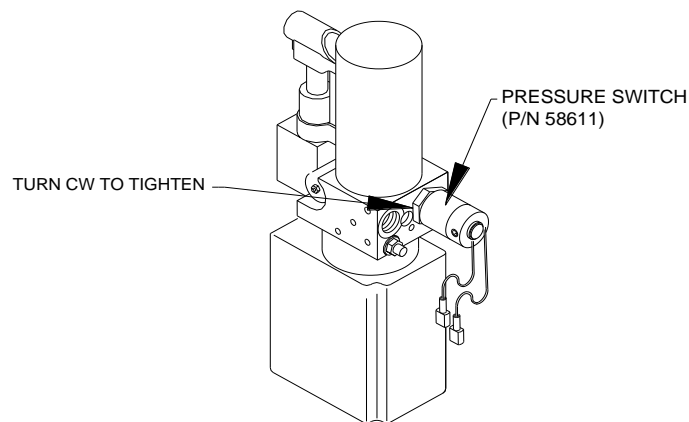


FIGURE 6: PRESSURE SWITCH P/N 58611

9. Turn the hydraulic pressure switch enclosure 1/8 of a turn **counterclockwise** (CCW), by hand.

NOTE: Turn the hydraulic pressure switch enclosure **clockwise** (CW) to increase pressure and **counterclockwise** (CCW) to decrease pressure, by hand.

10. Stow platform and observe if the motor shuts off.
11. If the motor does not shut off, turn the hydraulic pressure switch enclosure 1/8 of a turn **counterclockwise** (CCW), by hand to reduce the pressure.

NOTE: The lift should NOT stow or have inward movement with the weight on the platform.

12. Repeat pressure switch adjustment as necessary to achieve correct setting.
13. Tighten the locking set screw when the correct pressure setting is achieved.
14. With the 50 lb. load on the rear, center portion of the platform, raise platform to vehicle floor level. The pressure switch is correctly set if pump motor shuts off when attempting to stow the lift, preventing inward movement of platform.