

IMPORTANT: KEEP THIS DOCUMENT WITH THE PRODUCT UNTIL IT REACHES THE END USER.

⚠ WARNING

The P810-R-KIT 12 Volt Electric Close Only Actuator must be used for **OUTDOOR ANHYDROUS AMMONIA APPLICATIONS ONLY**. Do not use with any indoor or an enclosed NH₃ application, or at any other hazardous location. **DO NOT USE IN LPG/ PROPANE SERVICE.**

USER SAFETY RESPONSIBILITY STATEMENT FOR SQUIBB TAYLOR PRODUCTS

FAILURE OR IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE.

- This document and other information from Squibb Taylor and authorized distributors provide product or system options for further investigation by users having technical expertise.
- The user, through its own analysis and testing, is solely responsible for making the final selection of the system and components and assuring that all performance, endurance, maintenance, safety and warning requirements of the application are met. The user must analyze all aspects of the application, follow applicable industry standards, and follow the information concerning the product in the current product catalog and in any other materials provided from Squibb Taylor or authorized distributors.

To the extent that Squibb Taylor or authorized distributors provide component or system options based upon data or specifications provided by the user, the user is responsible for determining that such data and specifications are suitable and sufficient for all applications and reasonably foreseeable uses of the components or systems.

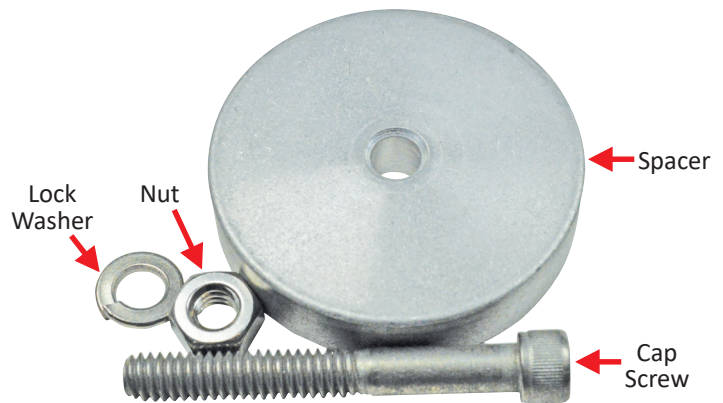
Failure to follow these instructions or to properly install and maintain this equipment could result in personal injury or death. Equipment must be installed, operated and maintained in accordance with federal, state and local codes. The installation must also comply with NFPA No. 70 and ANSI K61.1, (CGA G-2.1) standards and/or local authority having jurisdiction. Only personnel trained in the proper procedures, codes, standards and regulations of the Anhydrous Ammonia industry shall install and service this equipment.

Scope of the Manual

This instruction manual covers the installation of the P810-R-KIT Spacer Kit. This kit converts the P810-R Volt Electric Close Only Actuator to a P810-R1.25 to be used on RegO® 1 1/4" Emergency Shutoff Valves for Outdoor Anhydrous Ammonia (NH₃) applications. (Specifically part numbers beginning with AA or A prefix.)

Parts List

Part Description	Qty.
Spacer	1 Pc.
Lock Washer	1 Pc.
Nut	1 Pc.
Cap Screw	1 Pc.



P810-R1.25 Spacer Kit

NOTE: REFER TO THE INSTRUCTION MANUAL SUPPLIED WITH THE INTERNAL VALVE OR SQUIBB TAYLOR'S WEBSITE FOR ALL WARNINGS, CUSTOMER NOTIFICATIONS, SPECIFICATIONS, OPERATION, CAUTIONS, MAINTENANCE, & PARTS. CALL SQUIBB TAYLOR @ 800.345.8105 WITH ANY QUESTIONS BEFORE PROCEEDING.

While this information is presented in good faith and believed to be accurate, individuals using this literature must exercise their independent judgment in evaluating product selection and determining product appropriateness for their particular purpose, system requirements and certifications. The manufacturer reserves the right to change product designs and specifications without notice.

Installation of the P810-R-KIT Spacer Kit

⚠ WARNING

Before Proceeding with disassembly, the system must be purged of all product if valve is already installed & Power off.

1. Loosen the Phillips Head Screw holding the Power Cable so that it slides freely.



Tools Used: #2 Phillips Head Screwdriver

2. Remove the Electromagnet from the Support Bracket. Use an Allen Wrench & Wrench to loosen the Bolt for the Electromagnet. Unscrew the nut & remove the washer & bolt. Discard the Nut, Bolt, & Washer.



Tools Used: 3/16" Allen Wrench & 7/16" wrench

3. Slide the Bolt through the Electromagnet from the magnet side. Then slide the Spacer over the bolt. Now slide the Electromagnet & Spacer up through the bottom side of the Support Bracket as shown.

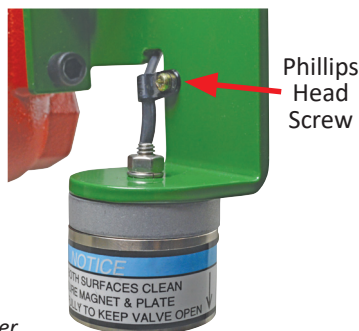


4. Slide the Lock Washer over the end of the Bolt. Start the nut onto the bolt. Secure the Electromagnet & Spacer to the Support Bracket with the Allen Wrench & the wrench to tighten the nut.



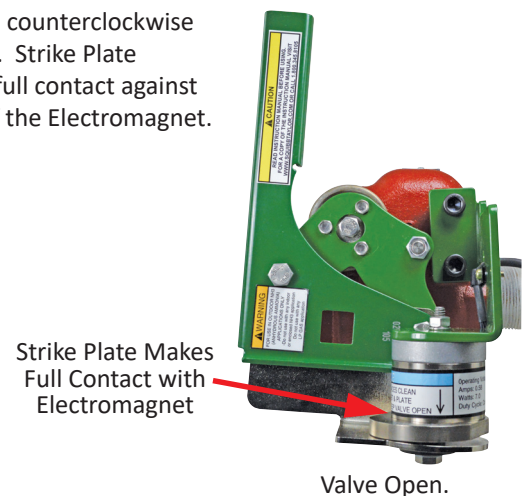
Tools Used: 3/16" Allen Wrench & 7/16" wrench

5. Remove the slack from the Power Cable & tighten the Phillips Head Screw to secure the Power Cable.



Tools Used: #1 Phillips Head Screwdriver

6. Rotate Handle counterclockwise to open valve. Strike Plate should make full contact against the surface of the Electromagnet.



Maintenance

⚠ WARNING

ONLY PERSONNEL TRAINED IN THE PROPER PROCEDURES, CODES, STANDARDS & REGULATIONS OF THE ANHYDROUS AMMONIA INDUSTRY SHALL PERFORM MAINTENANCE ON THIS EQUIPMENT. Before starting any type of maintenance or repair, close off the upstream valve(s) & remove all Anhydrous Ammonia (NH₃) pressure from both the Inlet & Outlet of the Emergency Shutoff Valve. If maintenance or repairs are to be made on the emergency shutoff valve(s), refer to the Instruction Manual for the particular valve model. A P810-R-KIT electrical release that has been disassembled must be tested for proper operation before being returned to service.

AT LEAST ONCE A MONTH, INSPECT AND CHECK THE FOLLOWING THINGS:

1. See that the electrical release is properly connected, works freely and is not worn. Make sure that the handle and strike plate are working smoothly.
2. Make sure there are no obstructions or debris to block the valve and handle from closing when the electromagnet is de-energized.
3. When opening the valve make sure there are no impurities or debris on the contact surface between the electromagnet and strike plate.
4. Turn on the voltage to the P810-R-KIT electrical release, rotate the handle counterclockwise to open the valve. Verify that the strike plate remains latched against the surface of the electromagnet and stays attached to the surface of the electromagnet while voltage is applied. Then interrupt the power to the electromagnet. Turn off the voltage supplied to the electromagnet and verify that the handle and valve quickly snaps closed. If valve does not close on it's own, then it must be Serviced or Replaced.

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