

SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE

INSTALLATION

CAUTION

EMN Manual Motor Starters should be installed, inspected, maintained, and operated by a qualified and competent personnel. Read entire instructions before starting installation of this product. Contact your Crouse-Hinds or factory Representative if you have any questions.

1. Remove existing operator assembly.
 - a. Remove cover from body.
 - b. Hold the shaft with protected jaw pliers to prevent damage to shaft. While holding shaft, remove screw to allow operator pad removal.
 - c. Using retaining ring pliers, remove the retaining ring.
 - d. Remove the shaft, button, o-ring, washer, and the spring.
 - e. Remove the bearing from the cover.

CAUTION

Always clean both ground joint surfaces of body and cover before closing. Dirt or foreign material must not accumulate on flat joint surfaces. Surfaces must seat fully against each other to provide a proper explosion proof seal.

- a. Check cover to ensure all explosionproof joints are in proper condition.
- b. Apply STL grease to the bearing and install into the cover. Thread bearing down until shoulder is fully mated against the inside cover surface.
- c. Ensure that the shaft has sufficient HTL grease applied. If not, apply sufficient amount.
- d. Insert the spring, washer, and o-ring onto the shaft as shown in Figure 1.

- e. Insert this shaft assembly into the cover as shown in Figure 1.
- f. Using retaining ring pliers, install the retaining ring as shown in Figure 1. This will ensure the shaft is properly retained in the assembly. Failure to install the retaining ring will allow the shaft to easily be removed and the explosionproof joint to be compromised.

WARNING

Disconnect and lockout all power upstream from motor starter prior to opening enclosure. Failure to do so could result in personnel injury or damage to equipment.

- g. Hold the shaft with protected jaw pliers to prevent damage to the shaft. While holding shaft, install screw and operator pad as shown in Figure 1. Tighten screw down fully and ensure that operator pad is secured in place.
 - h. Button on front of cover should be flush +/- .03 with adjacent cover surface. If this is not the case, check the steps and make sure the operator has been installed as shown in Figure 1. Also, make sure that the button has been fully put on the shaft.
 - i. Install cover onto body. Torque bolts to 11 ft-lbs.
 - j. Test out the operator for correctness (ON/OFF/RESET/LOCKOUT, etc.).
3. Perform visual, electrical, and mechanical inspections on a regular basis. The environment and frequency of use should determine this. However, it is recommended that checks be made at least once a year. We recommend an Electrical Preventive Maintenance Program as described in the National Fire Protection Association Bulletin NFPA 70B: Recommended Practice for Electrical Equipment Maintenance (www.nfpa.org).

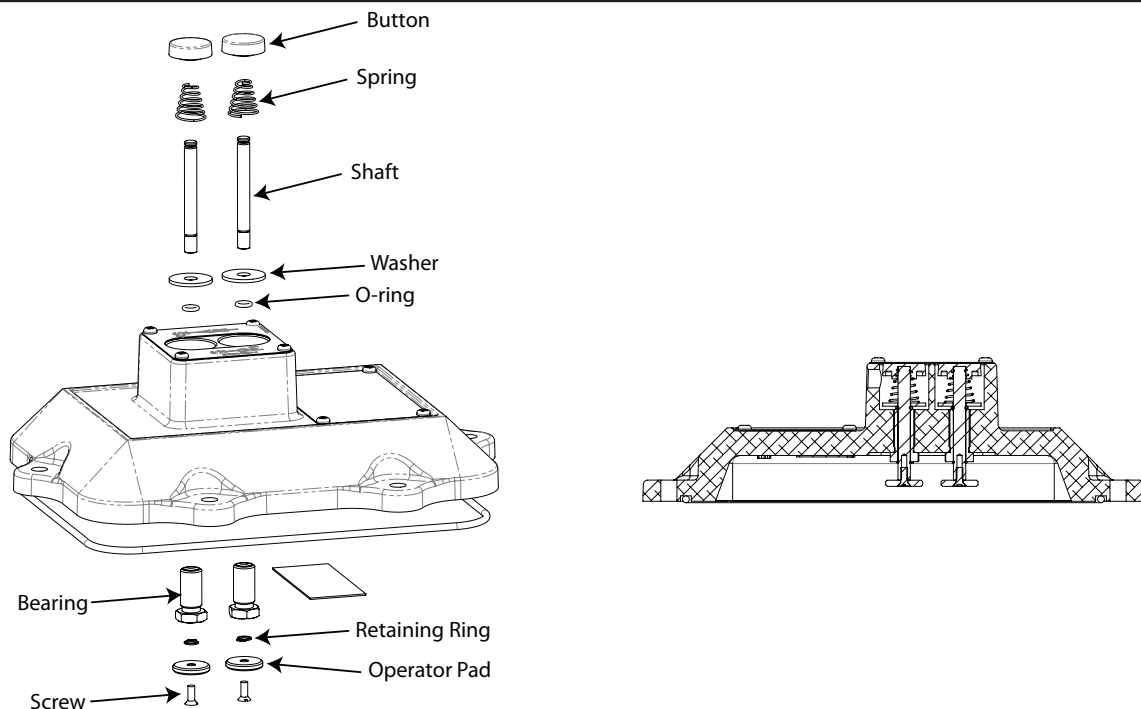


Figure 1

All statements, technical information and recommendations contained herein are based on information and tests we believe to be reliable. The accuracy or completeness thereof are not guaranteed. In accordance with Crouse-Hinds "Terms and Conditions of Sale," and since conditions of use are outside our control, the purchaser should determine the suitability of the product for his intended use and assumes all risk and liability whatsoever in connection therewith.