

INSTALLATION INSTRUCTIONS FOR LIFT ASSIST – LAD30ACF2

(ACF STYLE 30" HOUSING COVER)

GENERAL NOTE: - ALL SHARP EDGES TO BE DEBURRED.

Upon receiving the lift assist kit (spring, angle brackets, eyebolts, bushings, fasteners) inspect to make sure it has not been damaged in shipment and that all items listed in drawing BOM are present and accounted for (see drawing LAD30ACF).

1. Remove existing hinge pin assembly (see Fig. 1).
2. If needed grind hinges to dimensions listed in Fig. 2. Grind all corners smooth.
3. Secure both bushings and the dual torsion spring with a 7/8" hex bolt and a 7/8" top lock nut with indented flat side facing away from the bolt (see Fig. 3). Bushings should not fully butt up against the nozzle hinge. There should be 1/8" – 1/4" of slack allowed between each bushing and the hinge.

Fig. 2

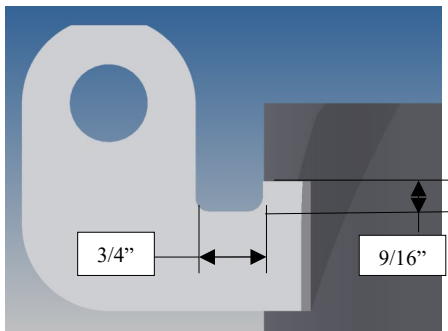


Fig. 3

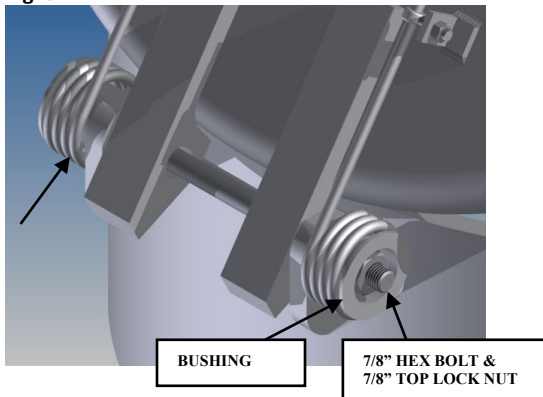
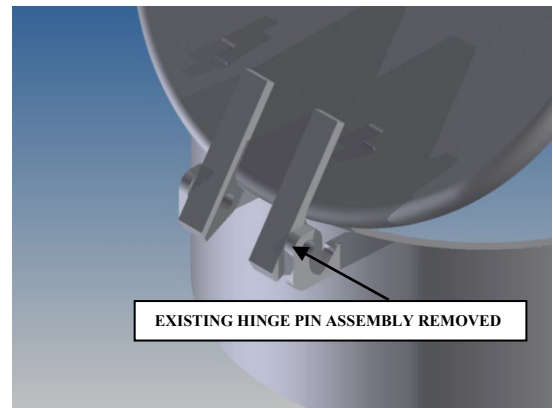


Fig. 1

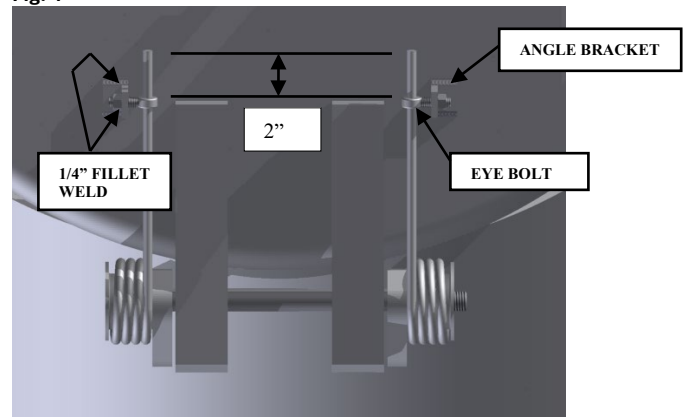


4. Position eyebolts and angle brackets as shown in Fig. 4 and weld the angle brackets to cover while cover is in vertical position.
5. Secure eyebolts to angle brackets with 5/8" top lock nuts with indented flat side facing away from eyebolts. Make sure to apply a small amount of lube (grease, machine oil, etc.) onto eyebolt threading prior to top lock nut application.

WARNING:

DO NOT CLOSE THE COVER UNTIL ANGLE BRACKETS HAVE BEEN COMPLETELY WELDED TO THE COVER AND EYEBOLTS SECURED TO THE ANGLE BRACKETS.

Fig. 4



NOTE: To disarm the lift spring, remove both eyebolts from angle brackets while keeping the cover in the vertical, open position.