

INSTALLATION INSTRUCTIONS FOR LIFT ASSIST - LAD20UT (UNION TANK CAR – 20")

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 LAD20UT).

1. Remove existing hinge pin assembly (see Fig. 1).
2. If required, trim 7/8" off each cover ear tab near the hinge (see Fig 2). Remove all sharp edges.

Fig. 2

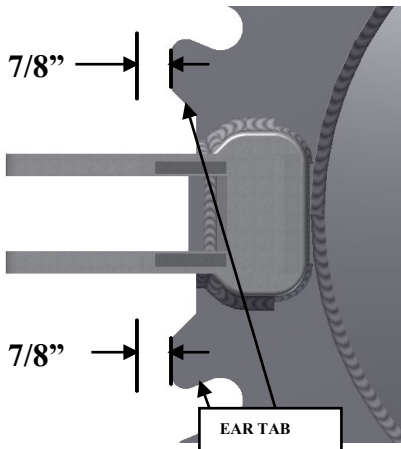
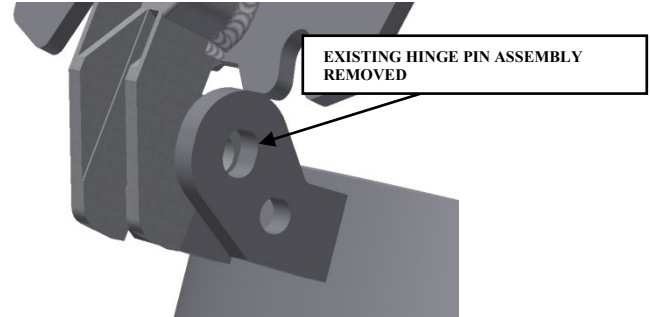
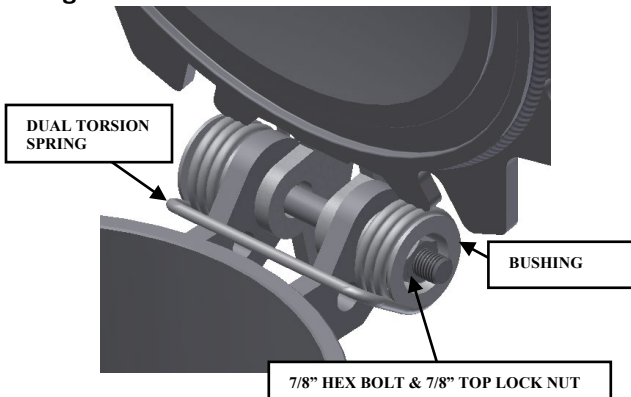


Fig. 1



3. Secure both bushings and the dual torsion spring with a 7/8" hex bolt and a 7/8" top lock nut (see Fig. 3).
4. Position eyebolts and angle brackets as shown in Fig. 4 and weld the angle brackets to cover. Cover should be in a vertical, open position.
5. Secure eyebolts to angle brackets with 3/8" top lock nuts. Make sure to apply a small amount of lube (grease, machine oil, etc.) onto eyebolt threading.

Fig. 3



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

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

