



Lexco Engineering and Manufacturing
PO Box 47
Lansdale, PA 19446

Phone: 215-699-7031
Fax: 215-699-3836

HT and STN 500 lb – 2000 lb Capacity Foot Operated Hydraulic Lift Tables Premium Foot Pump and Cylinder Upgrade Installation

Installation

Overview

The installation requires a drill and wrenches to mount the components with the supplied hardware.

Contents

Included with your Electric-Hydraulic Lift upgrade are the following components:

- A. Hydraulic Cylinder.
- B. Foot operated hydraulic pump with mounting bracket.
- C. Height Adjustment Stud and Jam Nut.

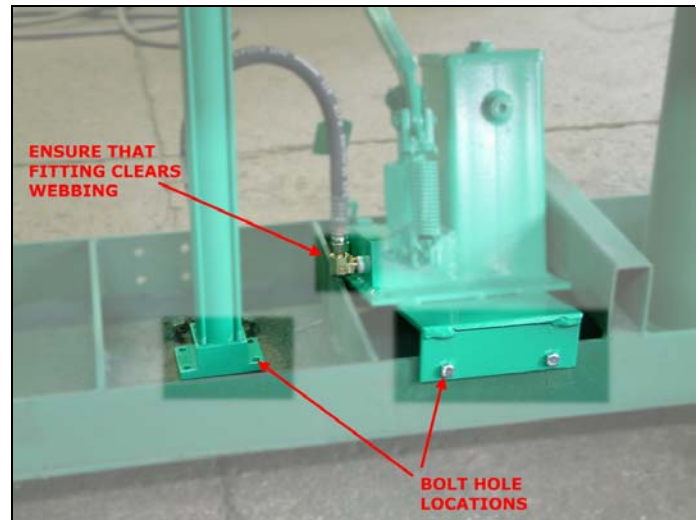


Figure 1 – STN Installation

Procedure

1. To remove the hydraulic unit (see figure 1), raise the table about 4" and brace the top by placing two or more 2x4 dimensional lumber (or suitable brace) between the base and top to hold the top in raised position. Open the release valve and pull down on the hydraulic ram. Remove the bolt(s) that holds the hydraulic unit to the base of the table. Chisel or grind off the clips that hold the front of the hydraulic unit, if any exist.
2. Remove the release screw handle.
3. Position the hydraulic cylinder in the table as shown in Figure 1. Align the height adjustment stud with the ram cup on table top. You may have to extend the cylinder rod.
4. Ensure that the rod is perpendicular to the base. Mark the four bolt hole locations with a center punch.
5. Position the hydraulic pump in the table as shown in Figure 1. The bracket should hang over the outside of the frame and there should be about 1/8" – 1/4" of clearance between the frame webbing and the hydraulic fitting.
6. Clamp the hydraulic pump in position. Mark the two bolt hole locations with a center punch.
7. Remove the cylinder and pump. Drill six 5/16" holes in the base where the holes were marked in the previous steps.
8. Completely lower the rod and add oil to the reservoir. Leave about 1" to 2" of air space below the reservoir cap.
9. Raise the hydraulic cylinder by operating the system via the foot pump until the table is raised above the bracing. Check that the ram has seated itself into the existing ram washer on the underside of the table top. If it has not, adjust the cylinders position as necessary to correct the misalignment.
10. Remove the bracing used in step 1.

11. Lower the hydraulic cylinder to its minimum position.
12. Readjust the Height Adjustment Stud so that it engages with the table top and is seated within the alignment washer. When the hydraulic cylinder is in its lowest position, the guide tubes should be bottomed so that the weight rests on the guide tubes and not the hydraulic cylinder.
13. Use the jam nut on the height adjustment stud to secure the position of the stud. You may clamp onto the threaded portion of the height adjustment screw that does not engage with the Jam Nut or cylinder rod threads.
14. The table is now ready for operation. It is recommended that the table is cycled a few times to clear the hydraulics of any air.