

INSTRUCTIONS FOR USE

Replacing the Hydraulic System on an Adjustable Height Prep & Pack Workstation (Electronically or Manually Operated Hydraulics)

WARNING - Performing the tasks in this guide requires a moderate level of technical ability. Please read through this entire guide before starting.

Adjustable Height Prep & Pack Workstation Hydraulic Leg Replacement

Our example in this process will demonstrate the replacement of a hydraulic leg on a prep & pack workstation. This applies to both electronically operated hydraulic legs or manually operated prep & pack workstations.

Parts Needed

- Hydraulic System (H0090-05)
- 3/8" x 7" bolt (H0016-08) - Sold separately

Tools Needed

- 7/16" wrench
- 7/16" socket with extension
- #2 Phillips screw driver
- Flat head screw driver
- 10mm flare nut wrench
- Tube cutter (recommended) or diagonal pliers
- 4" zip ties (at least 12)
- Sturdy supports (like saw horses)

Workstation Preparation

1. Lower the workstation to its lowest level.
2. Unplug the workstation from its power source.
3. Remove all accessories, including the backframe (Fig.1) Keep bolts and washers for later reinstall.
4. Remove lower shelf if equipped.
5. Obtain sturdy supports (like saw horses). Wrap the supports with some foam sheeting or other protection to avoid scratching the workstation top when the workstation is set on it.
6. The workstation is heavy. At least four people will be needed to lift, turn the workstation over and set the workstation flat on its top on the supports. Remove the bolts holding base to legs (Fig. 2). Keep bolts and washers for later reinstall. Carefully lift off frame base (Fig. 2)

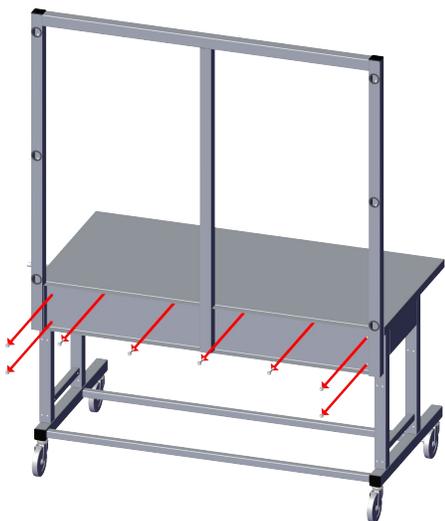


Fig. 1: Remove bolts from backframe to remove backframe from workstation.

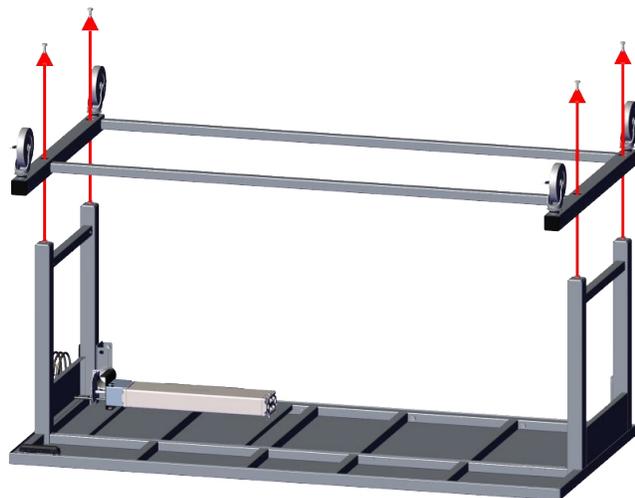


Fig. 2: Flip workstation upside down and remove bolts. Then lift off frame base.

INSTRUCTIONS FOR USE

Replacing the Hydraulic System on an Adjustable Height Prep & Pack Workstation (Electronically or Manually Operated Hydraulics)

Remove Four Old Hydraulic Legs

1. Using the flat head screw driver, gently pry up inner leg then lift to remove (Fig. 3). Set aside for later reinsertion.
2. Temporarily insert the 7" long bolt into hydraulic leg (Fig. 4).
3. From the hydraulic pump, trace the line connected to the old hydraulic leg. Cut all zip ties attaching the line to the table. Disconnect the old hydraulic leg line from the pump by unscrewing it from the pump. Use the flare nut wrench to loosen the pump connection screw (Fig. 5 - Fig. 6).
4. Unscrew the bottom and top ends of the old hydraulic leg from the outer leg while holding onto long bolt so the hydraulic leg doesn't fall into outer table leg (Fig. 7 - Fig. 8 - 4 screws). Set these aside for later reinsertion into the new leg.
5. Using the long bolt as a handle, draw out the hydraulic leg (Fig. 9).
6. Repeat with the other 3 legs.

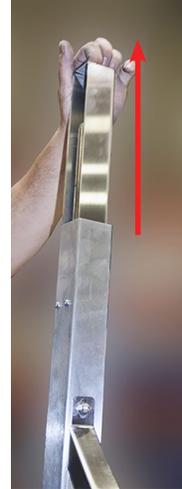


Fig. 3: Remove inner legs

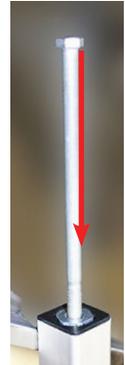


Fig. 4: Insert 7" bolt



Fig. 5: Remove old line from pump



Fig. 6: Extract line with screw/ferrule



Fig. 7: 2 screws bottom end



Fig. 8: 2 screws top end



Fig. 9: Remove hydraulic leg

INSTRUCTIONS FOR USE

Replacing the Hydraulic System on an Adjustable Height Prep & Pack Workstation (Electronically or Manually Operated Hydraulics)

Removing the Hydraulic Pump

1. To remove the pump from the table, start by removing the 3 1/2" bolt (Fig. 10). Set the spacer and bolt aside for future reinsertion.
2. Remove the 2 bolts on the motor side with socket and extension. Set the bolts aside for future reinsertion (Fig. 11).

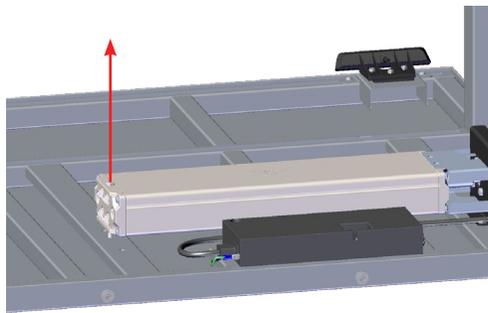


Fig. 10: Long bolt at pump head end

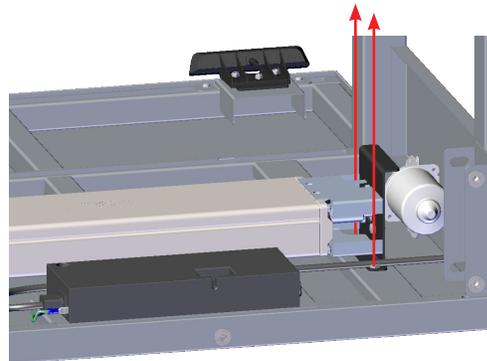


Fig. 11: 2 bolts at pump back end

Install Four New Hydraulic Legs

1. Cut the zip tie from each new hydraulic leg line (Fig. 12).
2. Temporarily insert the 7" bolt into the new hydraulic leg. This bolt will make inserting the leg into the table outer leg easier (Fig. 13).
3. Thread the hydraulic leg line into the table outer leg (Fig. 14). The leg line should appear at the bottom of the outer leg. Pull the line through (Fig. 15).
4. Insert the hydraulic leg into the table outer leg (Fig. 16). Make sure the screw holes on one side of the hydraulic leg faces the screw holes of the outer leg.



Fig. 12: Remove leg line zip tie



Fig. 13: Insert 7" bolt



Fig. 14: Thread leg line



Fig. 15: Line threaded thru



Fig. 16: Insert hydraulic leg

INSTRUCTIONS FOR USE

Replacing the Hydraulic System on an Adjustable Height Prep & Pack Workstation (Electronically or Manually Operated Hydraulics)

5. After inserting the new hydraulic leg into the outer leg, while holding the bolt, reinsert the four screws (top and bottom) of the outer leg to secure the hydraulic leg to the outer leg. (Fig. 17 - Fig. 18).
6. Remove the 7" bolt from the hydraulic leg (Fig. 19).
7. Repeat steps 1-6 for remaining 3 legs.



Fig. 17: 2 screws top end



Fig. 18: 2 screws lower end



Fig. 19: Remove long bolt

Connect Four Hydraulic Leg Lines to New Pump

1. One at a time, use the tube cutter (or diagonal pliers) to cut the line 1" from factory crimp (Fig. 20).
2. While holding the line upright to prevent fluid loss, insert the line end through the screw provided by the kit. Then insert the kit-supplied ferrule (line connection) onto the line end (Fig. 21).



Fig. 20: Trim line



Fig. 21: Hydraulic screw & ferrule

CAUTION: There is a ball bearing in each hole of the new hydraulic pump to keep the fluid from leaking out. Each ball bearing must be removed with the supplied magnet, one at a time, before the prepared line end can be screwed into the pump. Keep the pump end with the holes elevated to reduce the possibility of hydraulic fluid loss and for easier access to insert prepared lines.

INSTRUCTIONS FOR USE

Replacing the Hydraulic System on an Adjustable Height Prep & Pack Workstation (Electronically or Manually Operated Hydraulics)

3. Insert the prepared wire end of the new hydraulic leg into the wire connection socket of the hydraulic pump (Fig. 22 - Fig. 23). Tighten the wire connection screw.



Fig. 22: Insert prepared wire

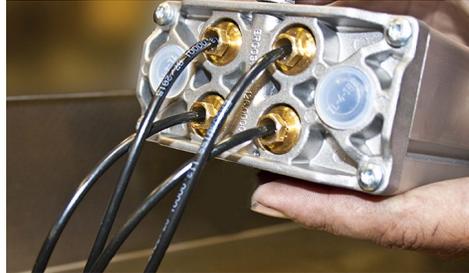


Fig. 23: Lines installed

4. Re-insert the 3 1/2" bolt into the head end of the pump. Under the pump, re-insert the spacer onto the bolt (Fig. 24). Tighten bolt (Fig. 25).



Fig. 24: Bolt & Spacer

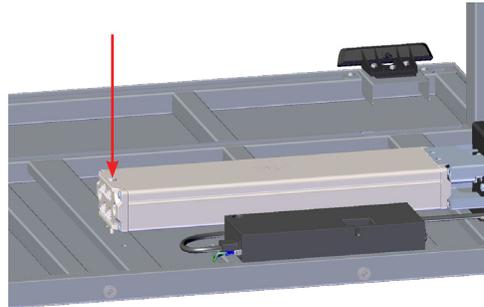


Fig. 25: Long bolt at pump head end

5. Re-insert the two bolts to the rear of the pump (Fig. 26).
6. Plug the power cord into a power source to test the leg hydraulics. Hold down the Up button until all four hydraulic legs are protruding out of the outer sink leg. **All legs should be level with each other** (Fig. 27).

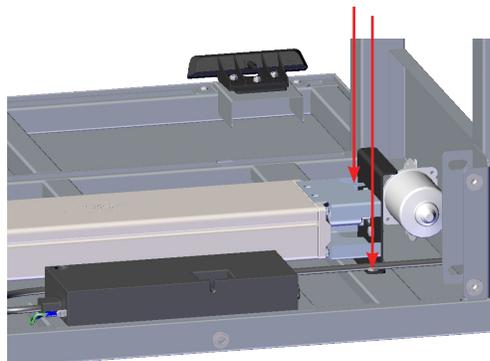


Fig. 26: 2 bolts at pump back end



Fig. 27: Test leg hydraulics

INSTRUCTIONS FOR USE

Replacing the Hydraulic System on an Adjustable Height Prep & Pack Workstation (Electronically or Manually Operated Hydraulics)

Install Four Inner Legs

1. Insert the inner leg into the upper leg (Fig. 28). If the hydraulic leg is not in the up position, keep a finger on the inner leg to control the rate of drop into the upper leg to avoid cutting the leg hydraulic line at the bottom.



Fig. 28: Insert inner legs

Finishing Up

1. Set frame base back on table and screw the 4 bolts back in (Fig. 29).

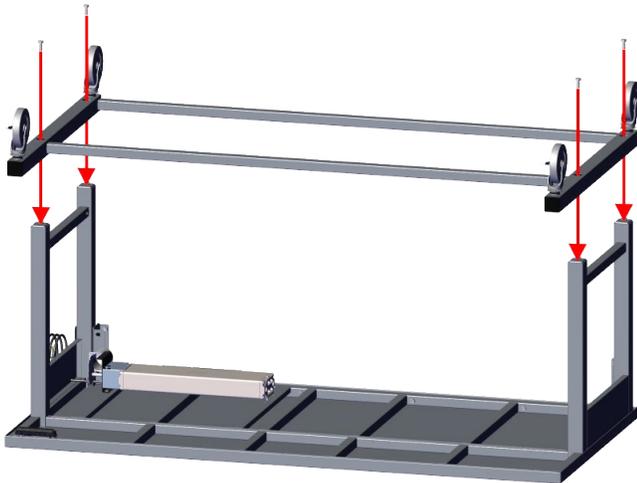


Fig. 29: Reinstall frame base.

2. Set the workstation upright on the floor.
3. Reinstall backframe.
4. Re-install accessories if applicable.
5. Re-connect the workstation to its power source
6. Discard black power source box and controller pad from the kit.