

P45B Corker

Setup and Maintenance

- Read this carefully before operating the corker.
- One person should be assigned to maintain the corker. Only this primary operator should make adjustments to the corker. This primary operator should train additional operators. However, adjustments should be made by, or under the careful supervision of the primary operator.
- **The P45B is nearly identical to the standard P45. The only difference is the mechanism for moving the bottle platform. The P45B uses an air piston, while the standard P45 has linkage driven by the electric motor. Therefore, all replacement parts for P45B will be identical to parts for P45, other than the parts associated with the bottle platform mechanism.**

Setup of the Corker

The corker has been setup and tested at St. Patrick's of Texas prior to delivery.

The final adjustments, *and the only adjustments*, needed are

1. Bottle Height Adjustment
2. Bottle Diameter Adjustment
3. Cork Length Adjustment (only if your cork is NOT 1-3/4" length)
4. Cork Depth Adjustment

Do NOT make any other adjustments to the corker.

Corker must be off and unplugged when making adjustments or performing maintenance.

1. Bottle Height Adjustment: See Fig 1. This adjustment must be performed BEFORE the other adjustments. The top of the bottle MUST be at the indicated level (or slightly higher). See Fig. 2. Loosen the two large jam nuts on the threaded rod below the bottle platform to make this adjustment. *Please note: This adjustment is the most commonly overlooked.* In particular, clients forget to make this adjustment when they change bottles.



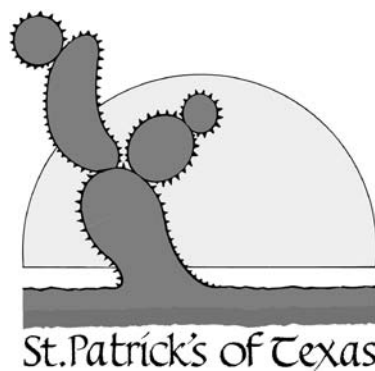
Fig. 1. Bottle Height---Top of bottle MUST be at this height or slightly higher.



Fig. 2. Raise or lower bottle stand. Adjust Back Support to match Bottle Diameter.

This manual and parts for Corkers are available online.

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2. Bottle Diameter Adjustment: See Fig. 2. The back support on the bottle stand should be positioned to center the bottle with the center of the white cone (below the jaws). The white cone will center the bottle, so this does not need to be precise---within 1/4" of center is sufficient.
3. Cork Length Adjustment: The corker has been setup for 45 mm (1-3/4") cork length. You need to perform this adjustment **ONLY** if you are using 2" cork. See Figure 3. Note the gap between the top of the cork and the cork descent tube. Position the cork descent tube such that this gap is about 3/8". Do not open the snapper plastic clamp. Simply twist and push upward on the cork descent tube (while pushing down on the snapper plastic clamp).
4. Cork Depth Adjustment: Make this adjustment **AFTER** the Bottle Height Adjustment. The Bottle Height **MUST** be correct in order to properly make this adjustment.
 - 4.1. Connect to 110V outlet. Connect air line to the regulator on left side of unit. See Fig. 5. Set pressure of your air compressor to >80 psi. Set regulator on corker to 70-80 psi.
 - 4.2. See Fig. 6. *Turn 0-10 dial clockwise to maximum 10.*
 - 4.3. Raise and lower the cork pushing pin (Fig. 4) to adjust the depth of the cork in the bottle. *Adjust the cork pushing pin such that the top of cork is level with top of bottle.*
 - 4.4 Now adjust the dial (Fig 6) until top of cork is above top of bottle. Typically this will be at about 5 on the 0-10 scale. It will take several trials to get the precise setting.

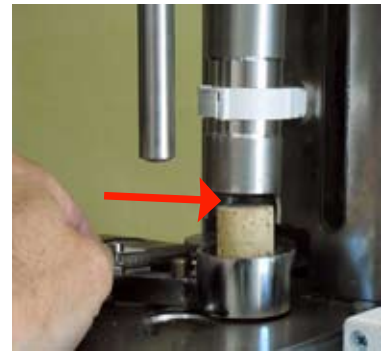


Fig. 3. Adjust Cork Descent Tube if Cork Length is NOT 1-3/4"



Fig. 4. Cork Pushing Pin. **ONLY MAKE THIS ADJUSTMENT AFTER BOTTLE HEIGHT ADJUSTMENT.**



Fig. 5. Air line connected to regulator. Set air compressor pressure >80 psi. Set corker regulator to 70-80 psi.



Fig. 6. Dial to precisely determine the length of cork above the top of bottle neck.

Periodic Maintenance

1. Keep Top Plate clean. See Fig. 7. Wipe the top plate with clean damp cloth daily or as needed to keep cork dust to minimum. Windex or mild soap solution works well.
2. **Be sure unit is off and unplugged.** Apply food grade grease to the jaws through opening in top plate. Simply dab with finger. Run unit several times without cork. Now, run several cork thru corks to remove excess grease. Also, apply small dab of grease between cork pusher and post.
3. Lubricate moving parts annually. See Fig. 8. Remove front AND back covers. Lubricate all moving parts. Aerosol spray of lithium grease works well.



FIG. 7. Keep Top Plate clean.

DO NOT

1. DO NOT use OZONE to clean a corkscrew. Ozone will destroy all rubber and plastic components and should NEVER be used on equipment with rubber or plastic components.
2. DO NOT use a HOSE or PRESSURE WASHER to clean a corkscrew. Simply wipe down with clean damp cloth. Pressure washers should NEVER be used on equipment with bearings or electrical components.
3. DO NOT use METABISULFITE (or any harsh chemicals) for cleaning or sanitizing. Metabisulfite is not a sanitizer nor a cleaner and should NEVER be used as such. Metabisulfite is corrosive to most metals including stainless steel.
4. DO NOT change any parameters of the inverter.
5. DO NOT remove the jaws or make any adjustments to the corkscrew except those on the previous pages. Contact St. Patrick's in advance if you believe some other adjustment needs to be performed.

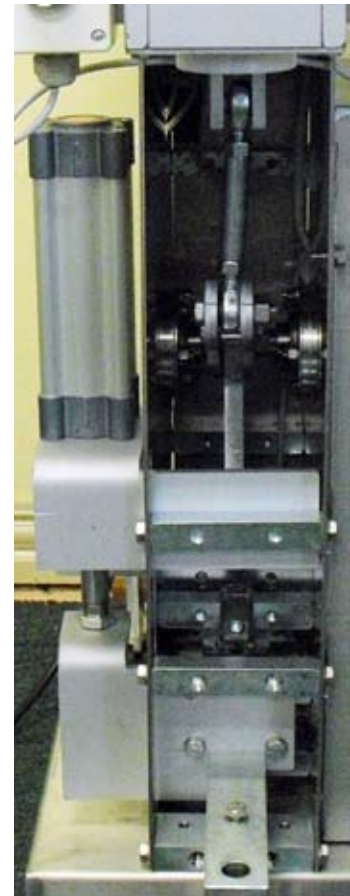


Fig. 8. Front of corkscrew. Lubricate all moving parts annually. Be sure to lubricate the rail that moves the bottle platform, as well as all other moving parts. Some parts are easier to lubricate from the back so be sure to remove the back cover as well.

Problems and Solutions

Problem: Nothing happens when you push the microswitch or start buttons.

Solution 1: Emergency Stop button is pushed in. Pull it out.

Solution 2. Interlock is open. Clear safety shield must be in place to activate the interlock.

Problem: Cork does not come down the cork descent tube.

Solution: Small spring (Tap0008) inside hopper is broken. Replace spring. (available online).

Problem: Bottle platform moves up and down properly when unit is first started. Then begins to operate sluggishly.

Solution: Drain the water from your air compressor tank. Air compressors condense water under pressure. The tank should be drained after each days use.

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