

Jolly 60 A/R

One person should be assigned to maintain the destemmer/crusher. This person should train other operators. All maintenance should be performed by the primary operator only.

Setup of the Destemmer/Crusher

The unit has been tested at St. Patrick's of Texas prior to delivery.

The *only modifications needed are*

1. Change electrical plug to match your circuit.
2. Wash the unit with mild detergent prior to first use to remove fabrication oil. Do not pressure wash bearings, electrical components.

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

Start up.

Be certain the hopper is empty.

Attach hose to 3" Triclamp outlet. Fig. 2.

Plug in power cord. 230 V, single phase.

See Fig 1.

1. Emergency Stop must be pulled out. (large red button in upper right.)
2. Turn main power on.
3. Push blue reset button--it will light up.
4. Turn on destemmer
5. Adjust speed.
6. Adjust roller spacing as needed (Fig. 2), or slide rollers to side if destemming only. See next page.



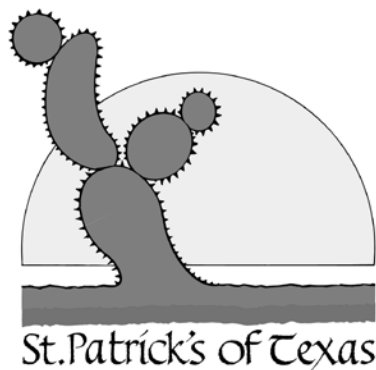
Fig. 1. Control box.

Tips on Operation

1. Feed grapes evenly and continuously into the hopper.
2. Stop unit if hopper will be empty for more than 30 seconds. Most 'jacks' are result of continuing to run unit without fruit in the hopper.
3. Start unit empty.
4. Avoid long or small wire extension cords.
5. Minimum destemming speed is about 50% of maximum speed.
6. Adjust rollers (Fig. 2) as desired for crushing.



Fig. 2. "1" are roller adjustment knobs. "2" is outlet (3" TC) for must pump. There is an identical outlet on other side. Choose whichever side is most convenient. "3" is a latch. The rollers and outlet basin are latched in position.



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This manual, the schematic and parts are available on-line.

Destemming Only

See Fig. 3. Release the latch indicated by “1”. Turn the knob (marked by the arrow) to disengage the twist-lock, then slide rollers to the other end and latch in position. The roller assembly, destemming shaft, and outlet basin (auger) are all connected with a simple twist-lock. [If you wish to remove the outlet basin: open top of unit and turn the destemming shaft slightly while pulling outlet basin.]



Fig. 3. Turn black knob to disconnect rollers.

Cleaning

1. Remove the Control Box and cover motor with plastic before washing down. DO NOT CLEAN MOTOR OR CONTROL BOX WITH HOSE OR PRESSURE WASHER.
2. See Fig 4. Remove side panels on rollers and clean. Do NOT PRESSURE WASH as this will destroy the bearings. Lubricate annually.
3. Rollers drop down by simply releasing the large center latch. See Fig. 5. Wash with clean (hot if possible) water after each use.
4. See Figure 6. Remove destemming basket and open top of unit. This provides easy access to clean all components. Do NOT pressure wash bearings. Do not remove lubricant from chains and gears.



Fig. 4. Roller bearings exposed when side panels are removed. Remove side panels to lubricate. Do NOT pressure wash bearings.



Fig. 5 Rollers drop down for easy cleaning.

Fig. 6. Remove the destemming shaft and basket. Remove the nuts (indicated by the “1”). Loosen the set screws (indicated by the arrows). Now the cover can be removed. The destemming shaft is simply twisted and pulled out. The destemming basket is then lifted out. All internal components are now easily accessible.

“2” indicates a grease fitting for the pillowblock. There are several pillowblocks/bearings in the unit. Grease these annually.



Fig. 7. Basket removed.

Lubrication

1. General rule of thumb: ‘If it moves, grease it’.
2. Use food grade lubricant on parts that make contact with the grapes. You do not need food grade grease on the chains and gears under the end cover (Fig. 9).
3. There are rotating shafts in the hopper, destemming basket, and lower section feeding the outlet. The ends of these rotating shafts, and associated pillowblocks (see Fig. 4 and 6) or bushings (Fig. 8) should be lubricated annually. See “2” in Fig. 6. Grease this and all similar grease fittings annually. It is best to lubricate after cleaning and before storing the unit.
4. See Fig. 9. Remove the stainless cover from motor end of the unit after each season. Lubricate chains, gears but not the V-belts. Do not wash down this area.



Fig. 8. Lubricate the bushing in hopper annually.



Fig. 9. Remove end cover annually and lubricate chains and gears. To not grease the V-belts. Do not wash down these components.

DO NOT

1. **DO NOT** use **OZONE**. 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 motor or electrical panel or bearings. Pressure washers should **NEVER** be used on 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.

Special Notes for Frequency Drives

1. The Frequency Drive (inside control box) requires about 30 seconds to power down. You cannot restart the unit during this period. Thus, if you turn off the main power, then you must wait about 30 seconds to turn the power back on.
2. GFIC (Ground Fault Interrupter Circuit) may be a problem with any Frequency Drive. If you run the unit and it trips the GFI, then you will likely need to remove the GFIC.

Storage during off season.

Run the unit about one month after the end of the season. Also, run it two months prior to the season. This will protect against bearings freezing up (if penetrated by moisture) and also provide ample time to make any repairs prior to harvest.

