

Jolly 50 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 2.5" 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

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.

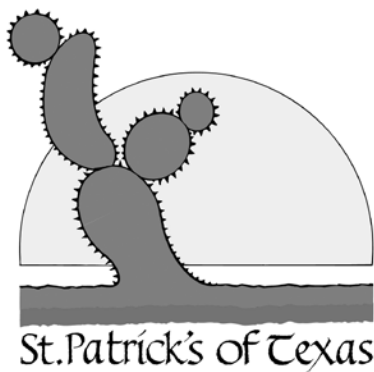


Fig. 1. Control box.



Fig. 2. "1" is outlet for must pump. There is an identical outlet on other side. 2.5" TC adapter is included. Choose whichever side is most convenient. "2" is one of the two handwheels for roller spacing adjustment. Remove the basket (see Fig. 3) and you can observe the roller spacing while adjusting the handwheels.

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

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 Figure 3. 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.
3. Wash with clean (hot if possible) water after each use.

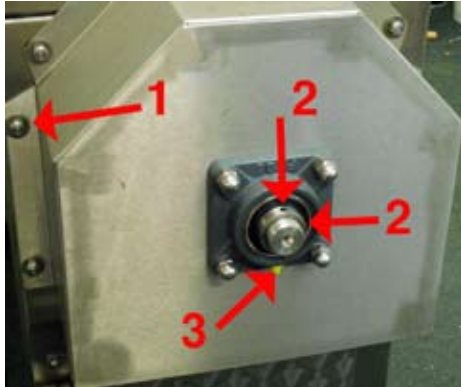


Fig. 3. Remove the destemming shaft and basket. Remove the nuts (indicated by the “1”). Loosen the set screws (indicated by the “2”s). Now the cover can be removed. The destemming shaft is simply twisted and pulled out. The destemming basket is then lifted out. All internal components are now easily accessible.

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

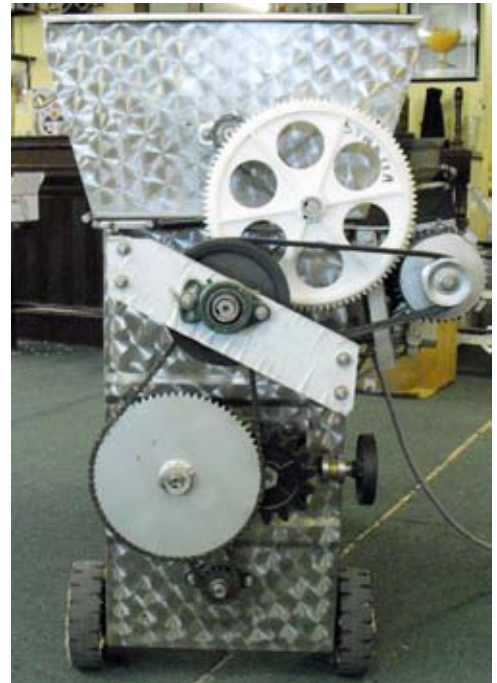


Fig. 4. Remove end cover annually and lubricate chains and gears. Do not grease the V-belts. Do not wash down these components.

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. 4).
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. 3) or bushings should be lubricated annually. See “3” in Fig. 3. Grease this and all similar grease fittings annually. It is best to lubricate after cleaning and before storing the unit.
4. See Fig. 4. 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.

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.

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.