

**OPERATING
& MAINTENANCE
INSTRUCTIONS**

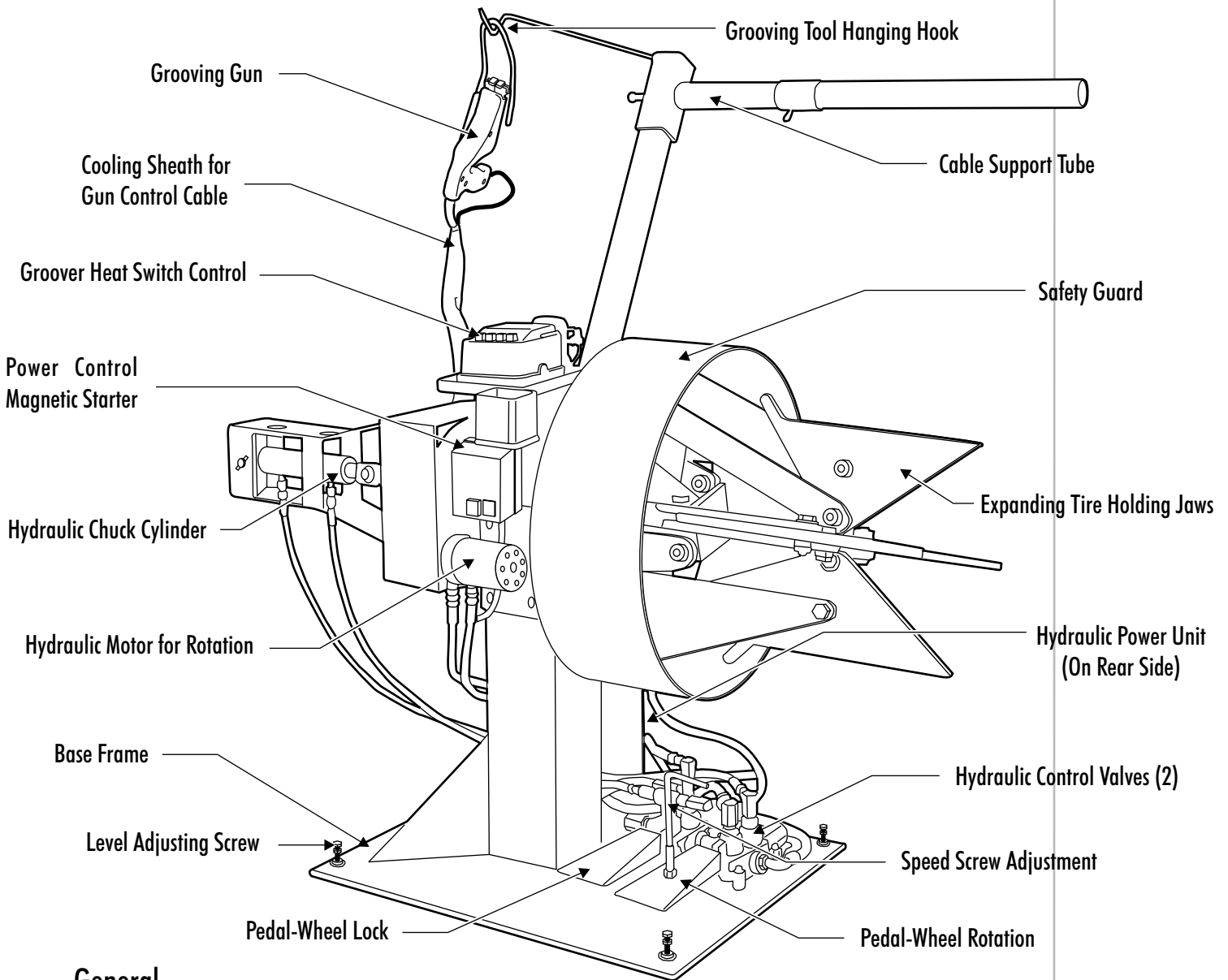
TG-80 TIRE GROOVING STATION

READ INSTRUCTIONS THOROUGHLY BEFORE OPERATING

TG-80 TIRE GROOVING STATION SAFETY INSTRUCTIONS



Only Personnel Trained in the TG-80 Should Be Operating This Machine. Thoroughly Read All Safety and Operating Instructions Before Using This Machine.



General:

Never wet the motor, electric switch, or components. Cover these items if machine is to be washed. Always disconnect electrical power before attempting any maintenance.

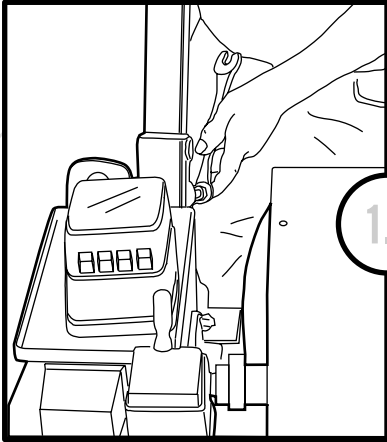
Installation Requirements:

115 Volt, 60 Cycle, 20 Amp and 90 PSIG Air x .25" diameter air hose.

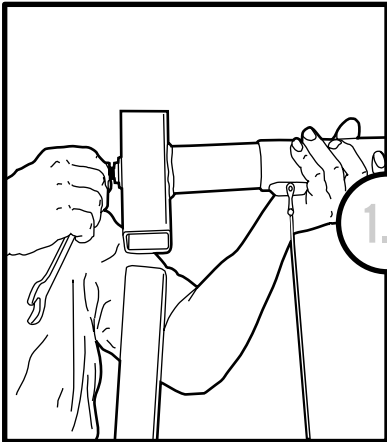
TG-80 TIRE GROOVING STATION

SET-UP INSTRUCTIONS

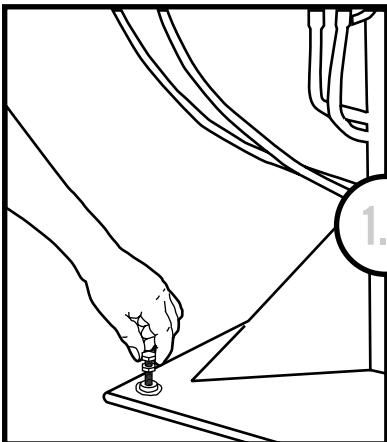
SECTION ONE



1.1 Insert upper control arm support tube into lower tube socket and tighten locking cap screws as shown.

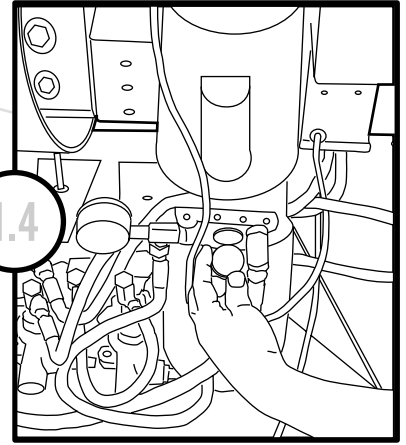


1.2 Insert cross arm over vertical arm support – adjust to upper vertical height. Tighten lock nut as shown.

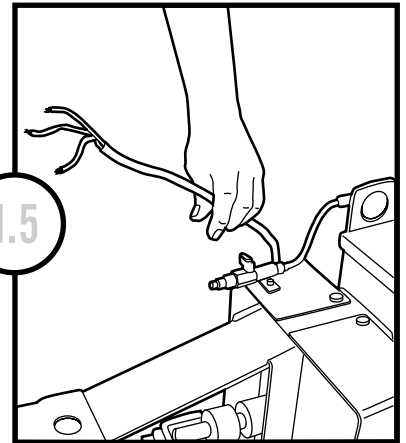


1.3 Insert base level screws and level machine.

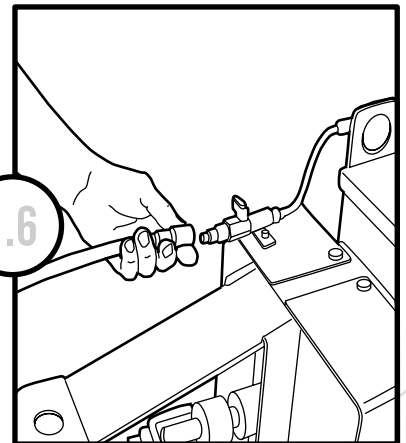
Remove solid reservoir plug in rear of machine and replace with reservoir breather. Check oil level. Keep full to breather level with ATF, and change fluid at 6 month intervals.



Connect electric cord to electric supply.



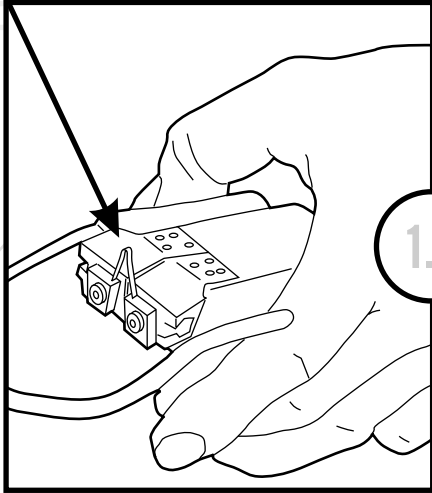
Connect airline to air valve at rear of machine.



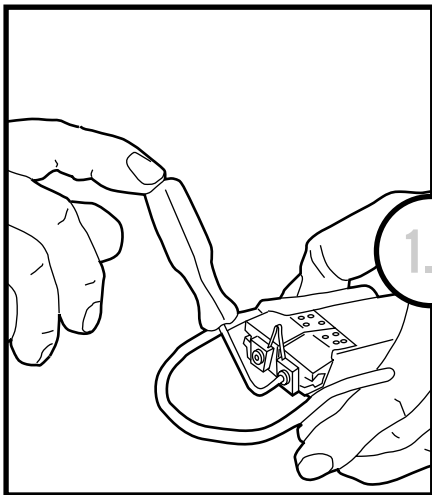
TG-80 TIRE GROOVING STATION

SET-UP INSTRUCTIONS

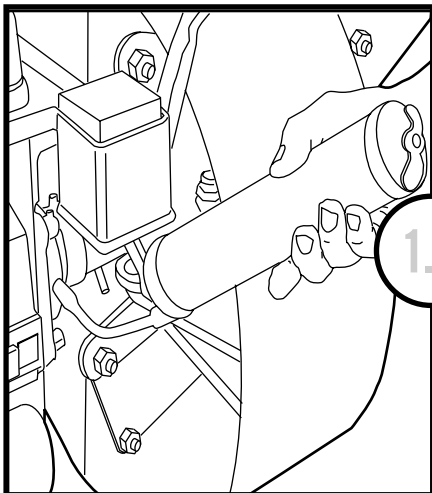
S E C T I O N O N E



Insert grooving cutter into grooving head. Depending on width of groove desired, a variety of cutters are available. Choose width as desired.



After grooving cutter is installed, tighten locking screws to retain the cutter.

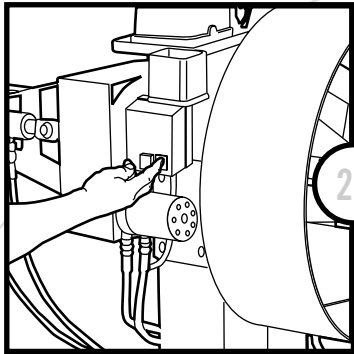


Grease zerks that are marked to grease on a regular basis. Apply light oil to all other moving or pivot points.

TG-80 TIRE GROOVING STATION

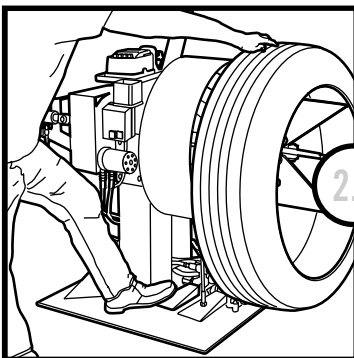
OPERATING INSTRUCTIONS

SECTION TWO



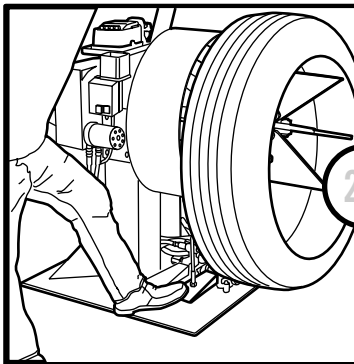
To begin grooving, tire must be placed on holding arms. To activate hydraulic system, push start button. (to stop machine push in stop button).

2.1



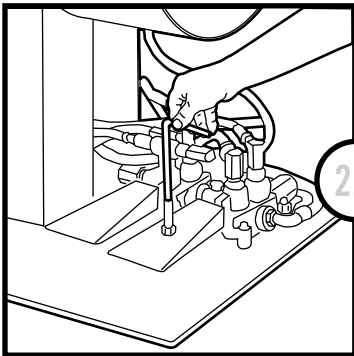
Hold tire in position and activate expanding holding arms by stepping on left foot pedal, marked "Spread Tire". Position tire to the left side of holding arm next to the stop arm.

2.2



To rotate tire, step on right pedal. To groove the tire, it must rotate toward the operator. Slowly rotate tire, and using a tire pick, remove all stones and any other foreign material. Stones can break the groover cutter blade.

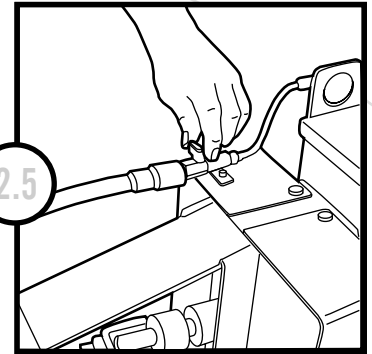
2.3



To adjust rotation speed, adjust foot pedal speed control. To slow down rotation, turn speed control clockwise or to the right. To speed up rotation, turn speed control counter clockwise.

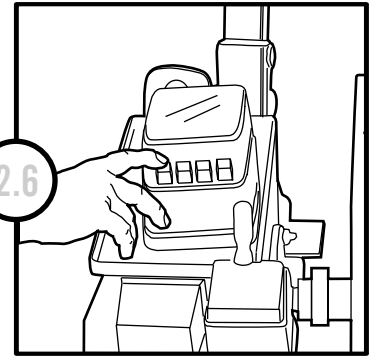
2.4

Open ball valve approximately 1/8 to 1/4 turn to allow a small airflow. The air flows through the cord sheath to the grooving gun and keeps the cord and tool cool.



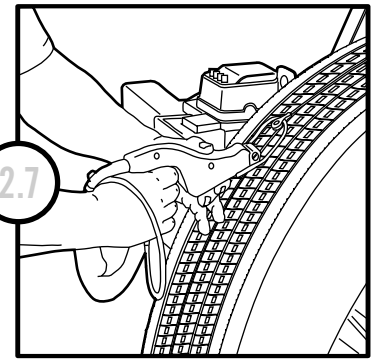
2.5

The grooving tool control unit has four heat settings. The left button is the coolest and the right button is the hottest. Use your judgment when setting the control unit. A small blade will require less heat than a large wide blade.



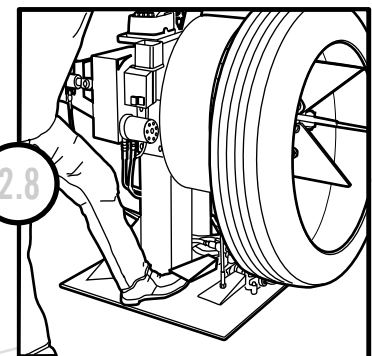
2.6

Grasp the grooving tool with cable and roller attached. Step on right pedal to rotate tire. With the air valve on and one button of control unit depressed, position tool and follow existing zigzag pattern. Remove waste as tire rotates. Cross grooves can be cut manually with the grooving tool.



2.7

After tire is grooved, it can be removed from grooving stand by releasing the tire holding arms. To release arms lift up left pedal with the toe of operator's shoe. This will release the tire - Shut off air and electric motor until operator is ready to groove another tire.



2.8