

# TC- 60 OPERATING INSTRUCTIONS

## TIRE BEAD NOTCHER



**READ INSTRUCTIONS THOROUGHLY BEFORE OPERATING**



TIRE SERVICE INTERNATIONAL

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# OPERATING INSTRUCTIONS

## **WARNING**

Only personnel trained in the operation of the TC-60 Tire Bead Notcher should be operating this machine. Thoroughly read all safety and operating instructions before using this machine.

**General:** Never wet engine, motor, switch box or hydraulic controls. Cover these items if machine is to be washed. Always disconnect electrical power before attempting any maintenance.

**Installation:** Standard power is a 220 V, 60 Hz, Single Phase, 13 AMP electric motor. Optional 9 HP gasoline engine available.

## **CAUTION**

Electric motor rotation must be clockwise when looking at the fan at the end of the motor. If motor runs counter clockwise reverse the wires as indicated on the motor plate diagram.

## **MAIN PARTS**

Photo shown with optional  
9 HP gasoline engine

Power Source Option  
3 HP Electric motor ( standard )  
9 HP Gasoline Engine

Manually actuated hydraulic valve

Shear blade adjusting screws

Hydraulic cylinder arm pivot

Main pivot shaft

Jaws

Hydraulic fluid reservoir

Hydraulic cylinder

Hydraulic oil filter

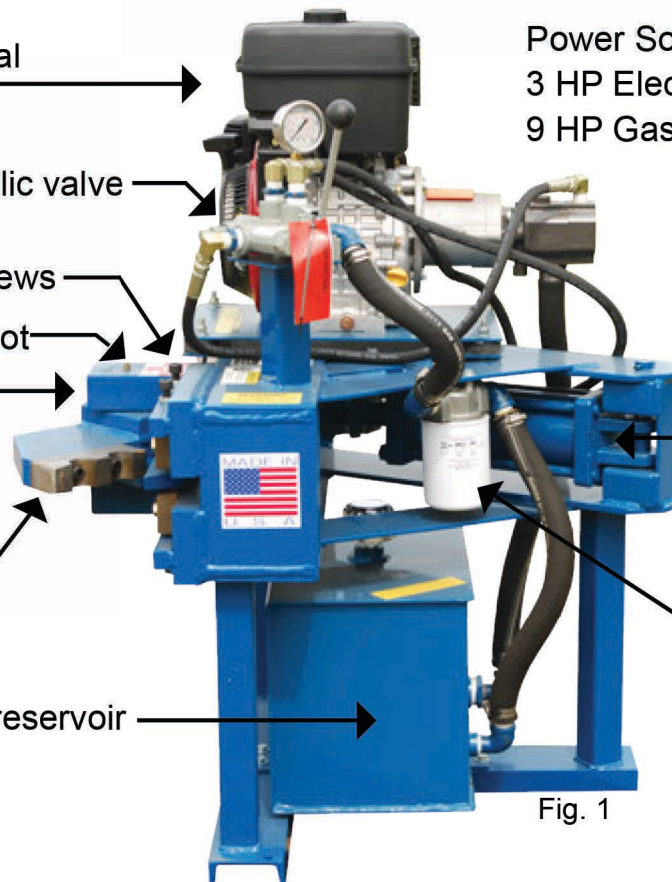


Fig. 1

## Operation of Use:

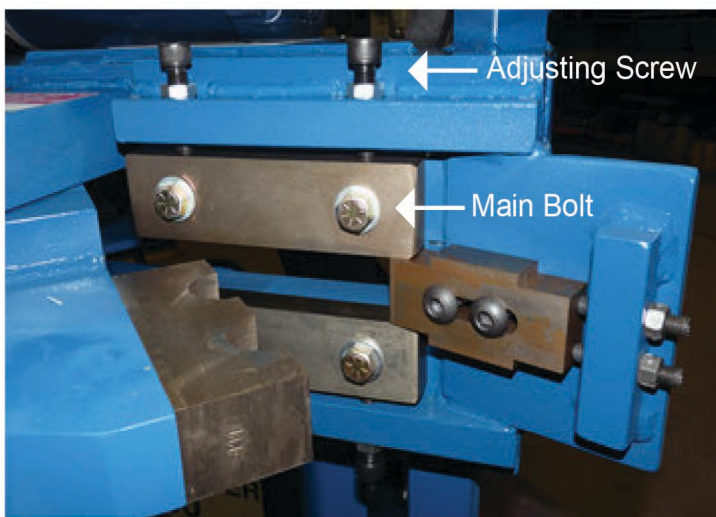
1. Electric unit connects to a 220 V, 60 Hz, 13 AMP power supply.
2. Turn on switch to start electric hydraulic pump motor.
3. Roll the tire into the cutting jaws. Place bead into jaws as far as possible.
4. Pull valve handle to activate cutting blade.
5. Push the valve to retract cutting blade.

## **DANGER!**

**When in use keep hands, clothing and any other objects away from cutter blade before using valve handle!**

## Maintenance:

1. Grease main pivot shaft on a weekly bases.
2. Grease cylinder arm for pivot on a weekly bases.
3. Loosen main bolts to adjust the blade as shown in Fig. 2.
4. Place male jaw into closed position. Adjust female blades equally to zero tolerance, re-set adjustment bolts, cinch nut tight then tighten both firmly. Tighten main bolts.
5. Once per year drain and replace hydraulic oil from reservoir with SAE 20 or SAE 30 Automatic transmission fluid. Replace hydraulic filter with TSI #3090-2.
6. Hydraulic pump pressure at the valve to read 2600-2800 PSI on the gauge. If adjustment is needed to remove the outer cap and either tighten or loosen adjusting nut beneath the cap.



Detail of Jaws

Fig. 2



Detail of Notched Tire

Fig. 3

# Warranty Statement & Return Policy

Warranty & Workmanship you can depend on.

TSISSG products are designed and developed by experts in their respective industries. Our passion for designing and testing is second only to our drive for creating industry innovations and real world solutions which our customers can depend upon. With over 25 years of manufacturing experience we maintain the ability to provide competitive prices while employing and manufacturing in the USA. We are the manufacturer of the majority of our products so taking pride in workmanship and standing behind each and every product is not just our claim but our uncompromising responsibility.

TSISSG equipment is warranted to be free from defects in materials and workmanship for a period of one year from the date of original purchase to the original owner. Repair labor is warranted for 90 days from the date of original purchase. Bushings, blades, bearings and normal wear and tear are not covered under warranty. Careless handling, negligence, misuse, abuse, mutilation, improper operation, making unauthorized repairs, additions, and or alterations automatically cancel this warranty and relieves TSISSG of any obligation. Cheetah tanks claimed to be defective while under warranty will be evaluated at our manufacturing plant and either repaired if possible or exchanged and returned or credit issued to the customer account at our discretion. Damage resulting from dropping the tanks will not receive warranty consideration. Warranty parts need to be returned prepaid to the plant for credit. Any replacement parts shipped from the plant will be shipped at the customer's expense. Machines requiring warranty work must be brought to the manufacturing plant in Monticello, MN or to a repair facility authorized by TSISSG.

## Return Policy:

!!WARNING!! Goods returned without an RGA will be refused. A Returned Goods Authorization form must be obtained before returning any material or goods. All non-warranty returns will be subject to a 15% restocking fee plus any additional charges for reconditioning/repacking.

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