

# **OPERATING & MAINTENANCE INSTRUCTIONS**

## **TC-125 TIRE CUTTER**

READ INSTRUCTIONS THOROUGHLY  
BEFORE OPERATING



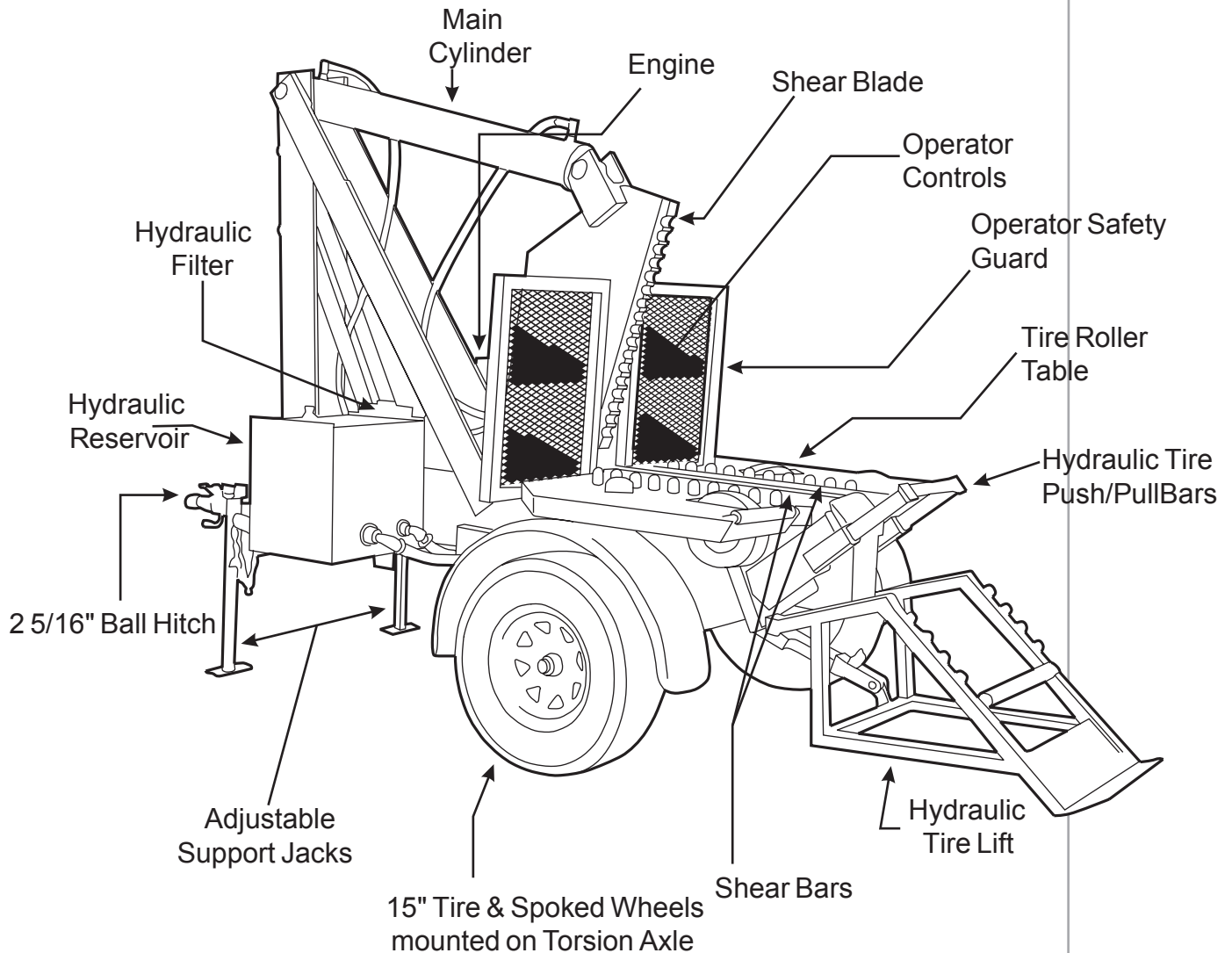
TIRE SERVICE INTERNATIONAL

# TC-125 TIRE CUTTER

## SAFETY INSTRUCTIONS



Only personnel trained in the TC-125 should be operating this machine. Thoroughly read all safety and operating instructions before using this machine.



### General:

Never wet the engine, ignition switch or hydraulic controls. Cover these items, if machine is to be washed. Always disconnect electrical power from battery before attempting any maintenance. Please refer to the Kubota Operator's Manual supplied by manufacturer.

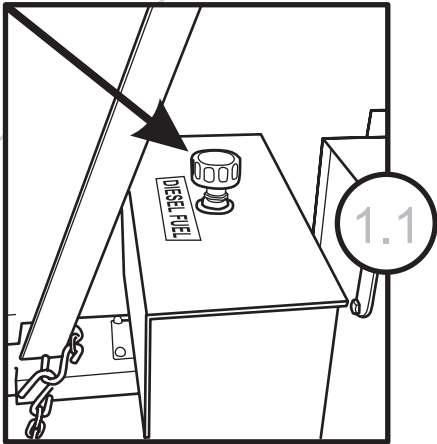
### Engine: Standard

65 HP Kubota Diesel with electric starts

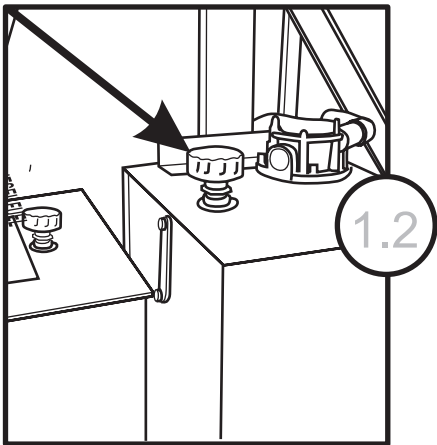
# TC-125 TIRE CUTTER

## SET UP INSTRUCTIONS

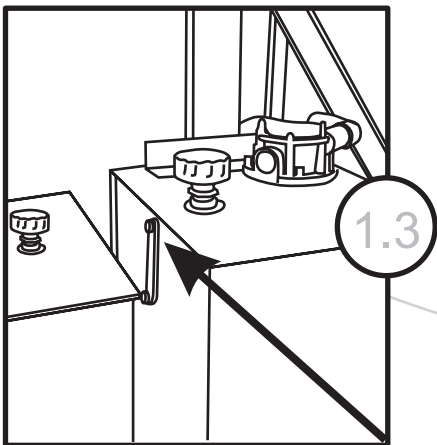
### SECTION ONE



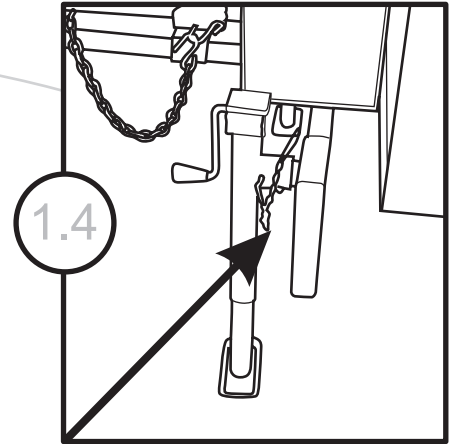
Remove the solid plug in the diesel fuel tank. Fill the tank with #2 diesel fuel at normal temperatures. Insert the vent cap in the tank.



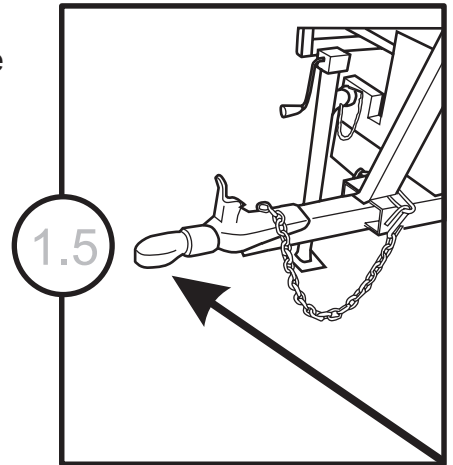
Remove the solid plug from the hydraulic oil reservoir. Insert the vent cap in the hydraulic oil reservoir.



The hydraulic oil reservoir. Should be filled 2 to 3 inches from the top. If you add or change the fluid, use Type A automatic transmission fluid



Position leveling jack as required by raising or lowering jacks on either side to level the machine.

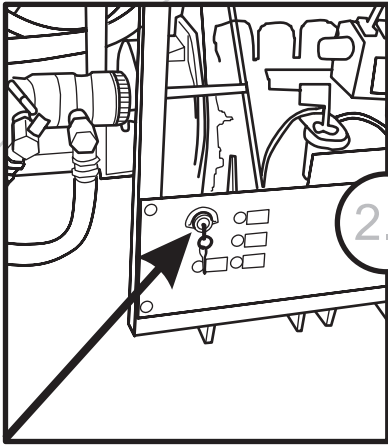


For towing the TC-125 connect the machine to a 2 5/16" diameter ball hitch. Connect electrical wires to a wiring assembly to activate the electric brakes. Once connected, raise leveling jacks to their highest point before moving.

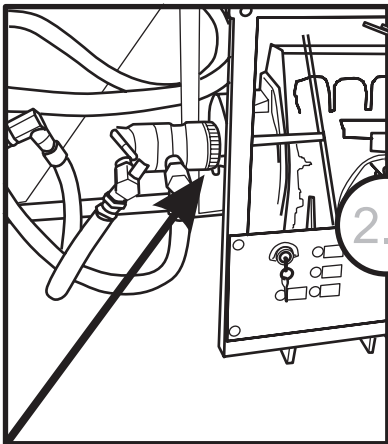
# TC-125 TIRE CUTTER

## OPERATING INSTRUCTIONS

SECTION TWO

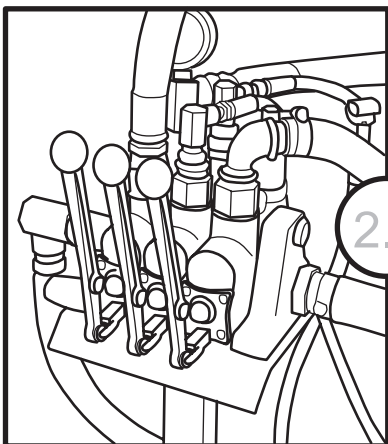


The machine instrument panel, shows the key switch along with indicator lights. Turning the key to the left activates the engine glow plug. Use this position when starting a cold engine. The glow plug indicator light shows the operator when to start the engine.



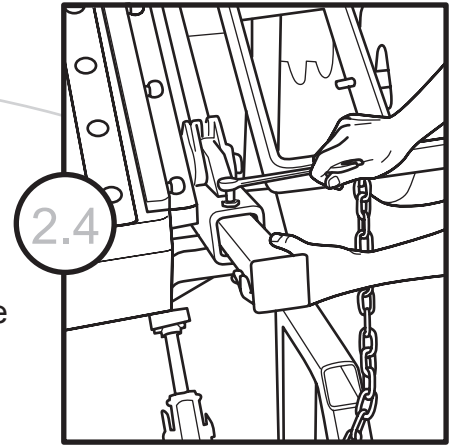
Throttle control increases or decreases engine speed. Turn counter-clockwise to increase and clockwise to decrease.

**DO NOT** operate beyond 3/4 throttle speed.

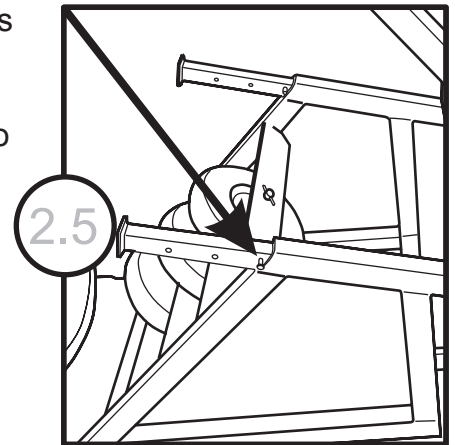


This illustration shows the operating control levers. The left lever controls the shear arm. The center lever controls the tire push/pull bars. The right lever controls the tire lift.

Insert the hydraulic push/pull bars into their sockets. Adjust length as required for tire width, either by the ball detent pin or with the adjusting cap screw.



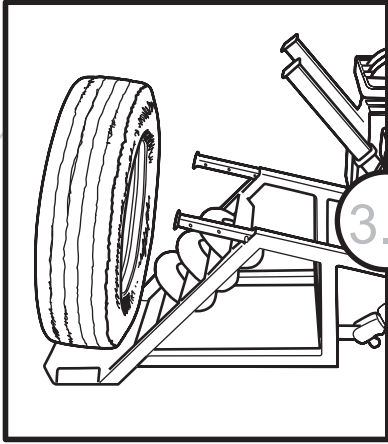
Position stop arms on the lift as required. Insert ball detent pin into stop arm pin holes.



# TC-125 TIRE CUTTER

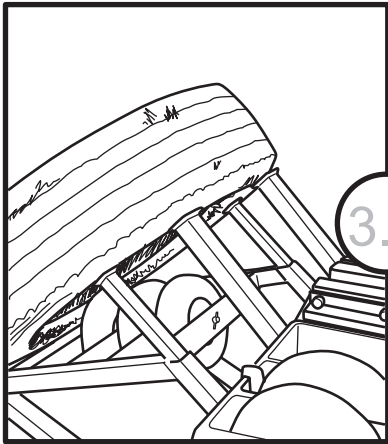
## TIRE CUTTING -TRUCK TIRE

### SECTION THREE



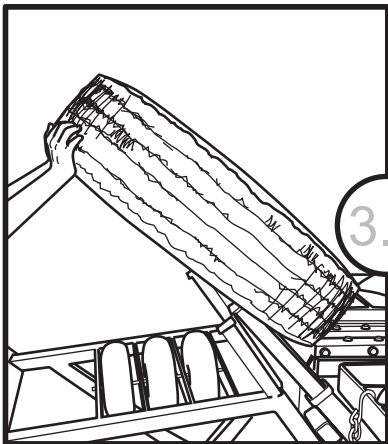
3.1

When arms positioned as shown, roll tire on hydraulic tire lift pad. Start engine by following engine operating instructions.



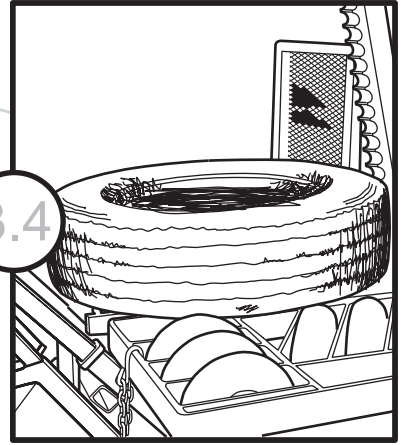
3.2

By operating tire lift control lever on the right, the tire is raised to the cutting table.



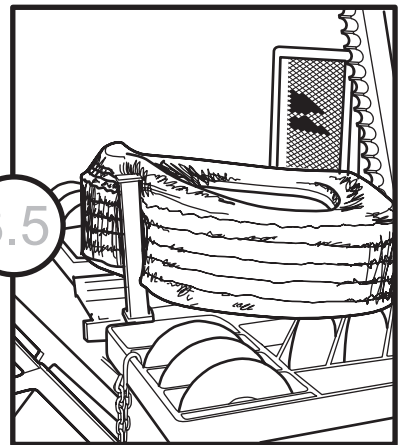
3.3

Tip tire up and over.



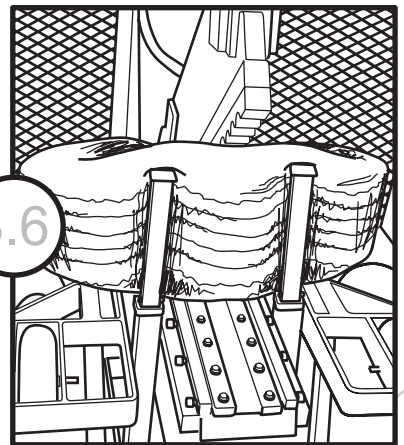
3.4

The truck tire is positioned in the center of the cutting table.



3.5

Using center hydraulic control lever, move tire push/pull bars firmly against the tire.



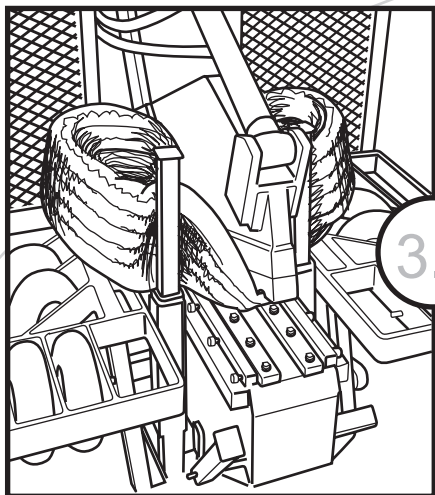
3.6

By operating the lever on the left, move shear arm down to begin the shearing process.

# TC-125 TIRE CUTTER

## TIRE CUTTING -TRUCK TIRE

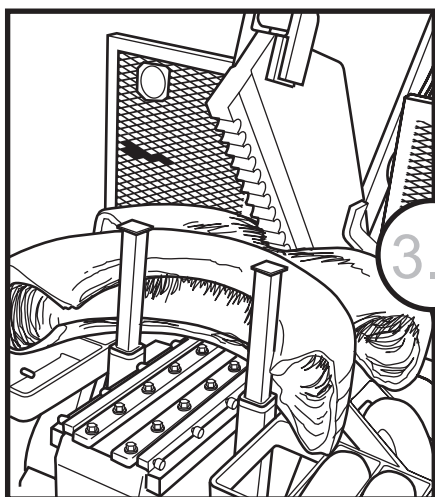
### SECTION THREE



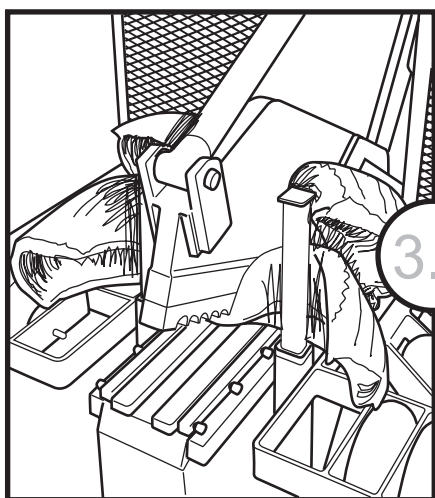
Continue to shear tire all the way through. Some additional adjustment may be done to the push/pull bars during the shearing to maintain pressure or position on the truck tire.

**NOTE:**

Tire debris may be deposited below the cutting table during normal shearing operation. Before the next tire is placed onto the cutting table, ensure all of the cut debris is removed from machine.



Reposition the push/pull bars after the shear blade returns to the up position. Then reposition both of the tire halves as shown and shear through them as shown.



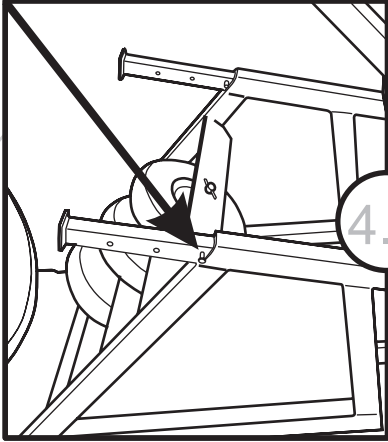
Complete shearing the tire halves. When completed return the shear blade to the up position and the push pull bars rearward to the start position. Remove the cut pieces from the cutting table.



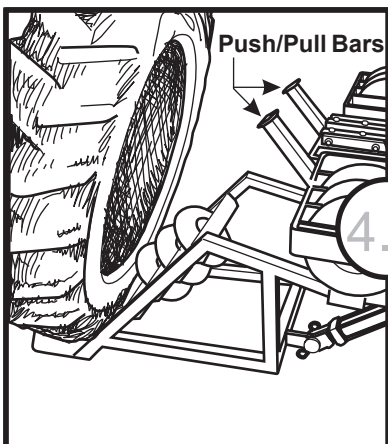
# TC-125 TIRE CUTTER

## TIRE CUTTING -LARGE TIRE

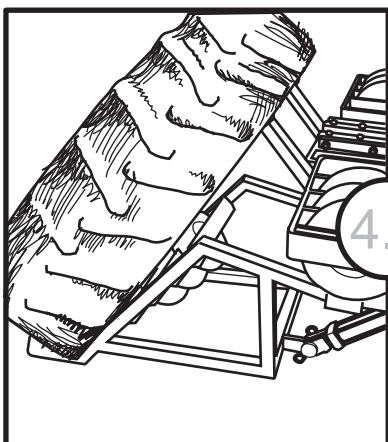
### SECTION FOUR



Remove arms from sockets.

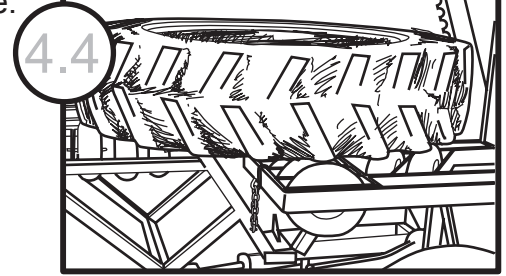


Position push/pull bars as shown here for a large tire. Roll the tire onto the tire lift.

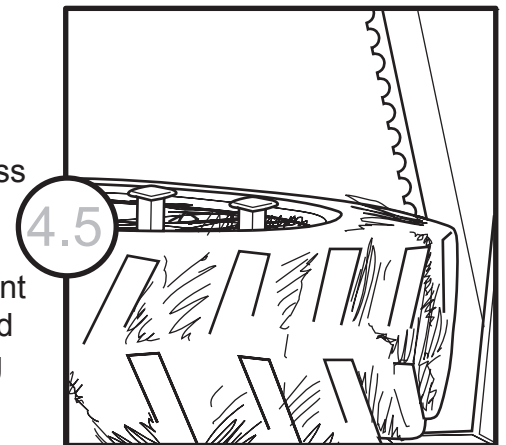


Support the top end of the tire on the push/pull bars. Operate hydraulic lift to raise the tire to the cutting table. The tire should drop over the push/pull bars once raised horizontally.

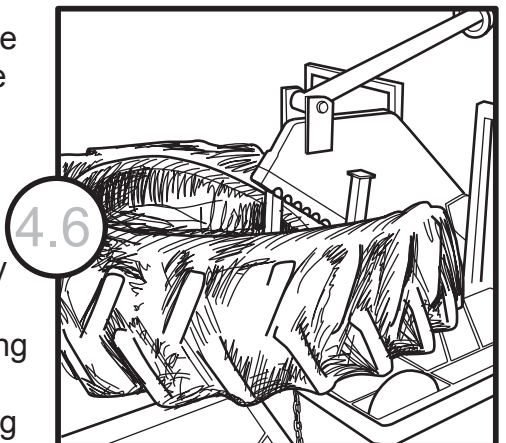
Using push/pull bars draw tire onto the cutting table.



Position push/pull bars against the inside lip of the tire. Do not press the push/pull bars firmly as some adjustment may be required during shearing process.



By using the tire cut lever on the left begin to shear tire.

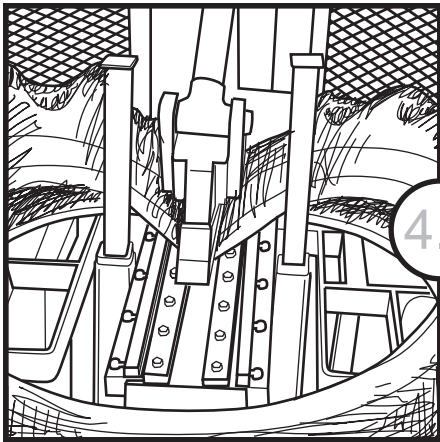


**NOTE:** Tire debris may be deposited below the cutting table during normal shearing operation. Before the next tire is placed onto the cutting table, ensure all of the cut debris is removed from the machine.

# TC-125 TIRE CUTTER

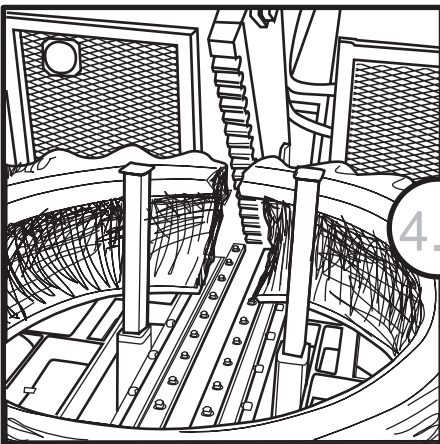
## TIRE CUTTING -LARGE TIRE

### SECTION FOUR



4.7

Continue to shear tire, making adjustments to the push/pull bars as required.

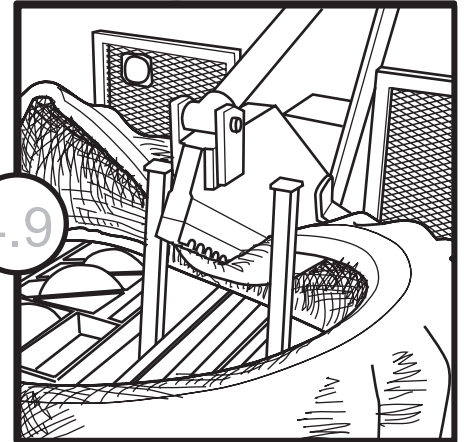


4.8

Fig 4.8 illustrates large tire sheared through and the shear blade returned to the up position.

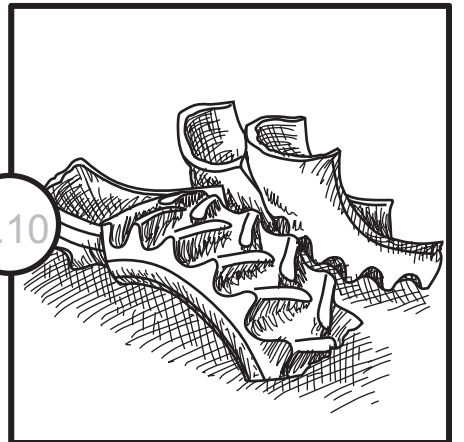
Push/pull bars are moved rearward to ease rotation of the tire for the next shear.

With the shear blade up and the push/pull bars moved rearward, rotate tire on roller bed to the next desired cutting point. Shear tire into smaller sections by repeating Fig. 4.4 - 4.7



4.9

Fig. 4.10 shows results of the tire sheared into pieces. Tire can be sheared into smaller or larger pieces as desired.



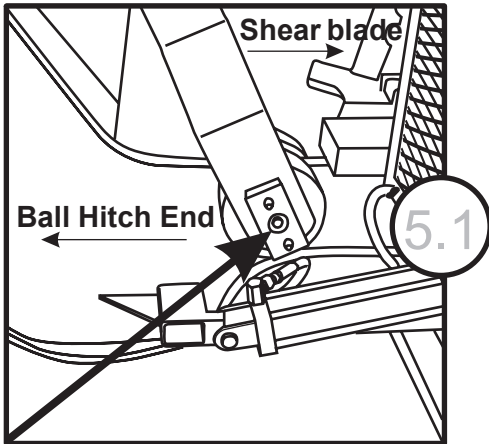
4.10



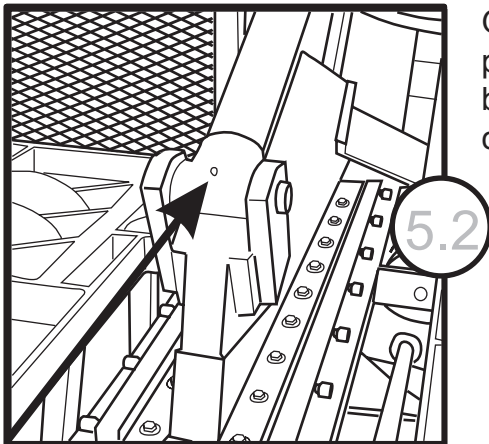
# TC-125 TIRE CUTTER

## MAINTENANCE

### SECTION FIVE

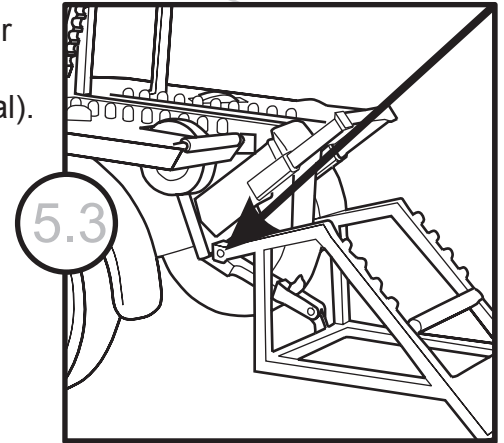


Grease main pivot bearings once a week. There is one bearing on each side of the machine.

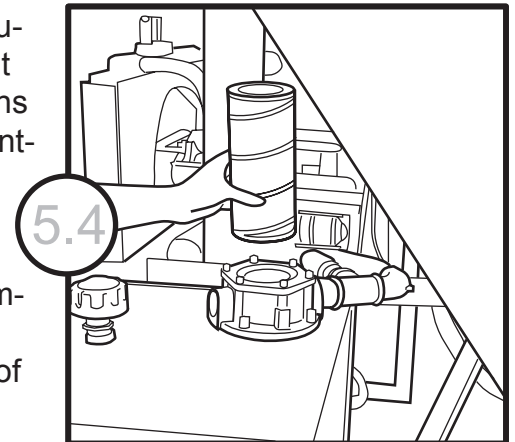


Grease cylinder pivot anchors on both ends of the cylinder.

Grease all other pivot shafts on TC-125 (12 total).



Replace hydraulic filter element every six months or more frequently under heavy use or in dusty climate conditions. Disassemble the 6 cap screws on top of filter assembly. Remove filter element slowly allowing fluid to drain. Replace with a new element. Replace filter cap and 6 cap screws.



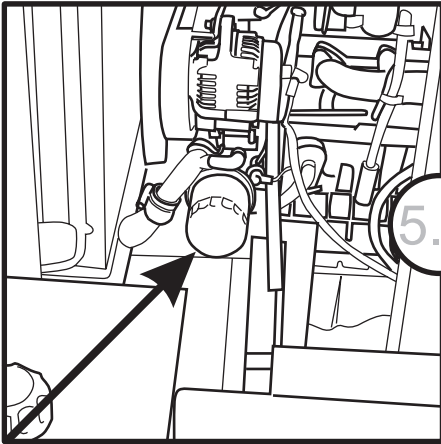
#### **NOTE:**

Fluid should be changed completely every two years or if contaminated by foreign matter. Filter should be replaced when fluid is changed.

# TC-125 TIRE CUTTER

## MAINTENANCE

### SECTION FIVE



Follow manufacturer's engine instruction manual for all engine service recommendations.

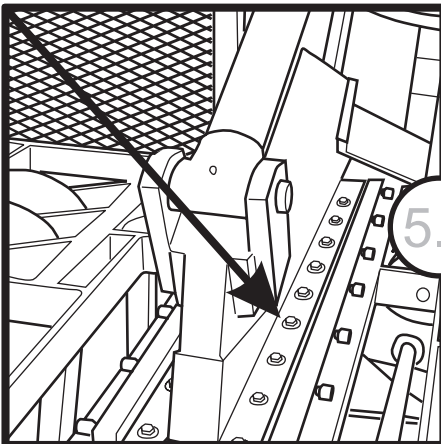
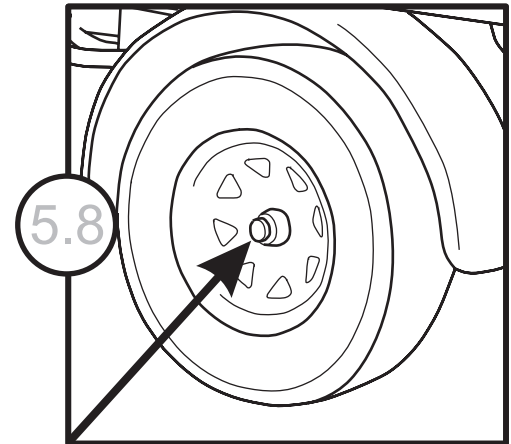
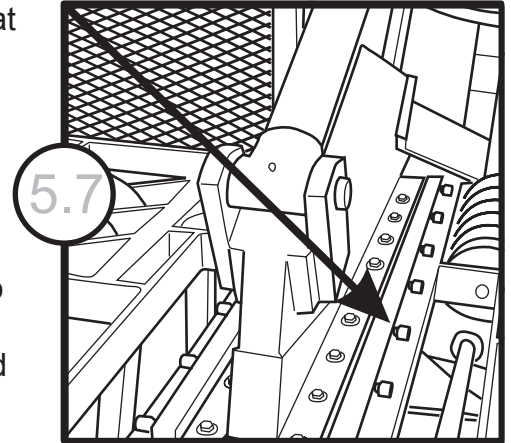


Fig 5.6 and 5.7 illustrate the "Zero Clearance" adjustment procedure. With the shear blade in the full down position and the engine off, loosen the cap screws on bed shear bars (both sides).

By checking at various positions adjust allen cap screws from both sides to adjust shear bars to a zero clearance. Retighten bed cap screws.



Every six months or prior to towing, remove wheels and inspect hub assemblies. Disassemble the wheel hub assembly and pack grease into wheel bearings and seals if required.