

# OPERATING AND MAINTENANCE INSTRUCTIONS

## WC-15 WHEEL CLEANER

13" – 20" DIA x UP TO 12-1/2" WIDE RIM



READ INSTRUCTIONS THOROUGHLY BEFORE OPERATING



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MADE IN USA

# SAFETY INSTRUCTIONS

**WARNING:** Only Personnel Trained in Operation of the WC-15 should Operate This Machine.

Thoroughly Read All Safety and Operating Instructions Before Using This Machine. Observe all precautionary safety decals and wear protective eyewear.

**General:** Do Not Allow Water or Moisture to come into contact with Electrical Motor, Electrical Power System or any Electrical Components.

Disconnect Electrical Power Supply before any Maintenance.

**Electric Power:** The WC-15 requires 230 volt, 30-amp, 1 phase 60 Hz service.

**CAUTION:** Operation of this machine for use other than cleaning steel or aluminum tire rims is strictly prohibited.

## PRINCIPLE OPERATING FEATURES



## SET-UP INSTRUCTIONS

1. Place unit on flat surface. Adjust the (4) set screws until level.
2. Plug electric cord into a 230 Volt, 30 Amp, single phase, 3 prong grounded power source.
3. The WC-15 Wheel Cleaner is greased and lubricated prior to shipping and upon set-up it is ready for use.

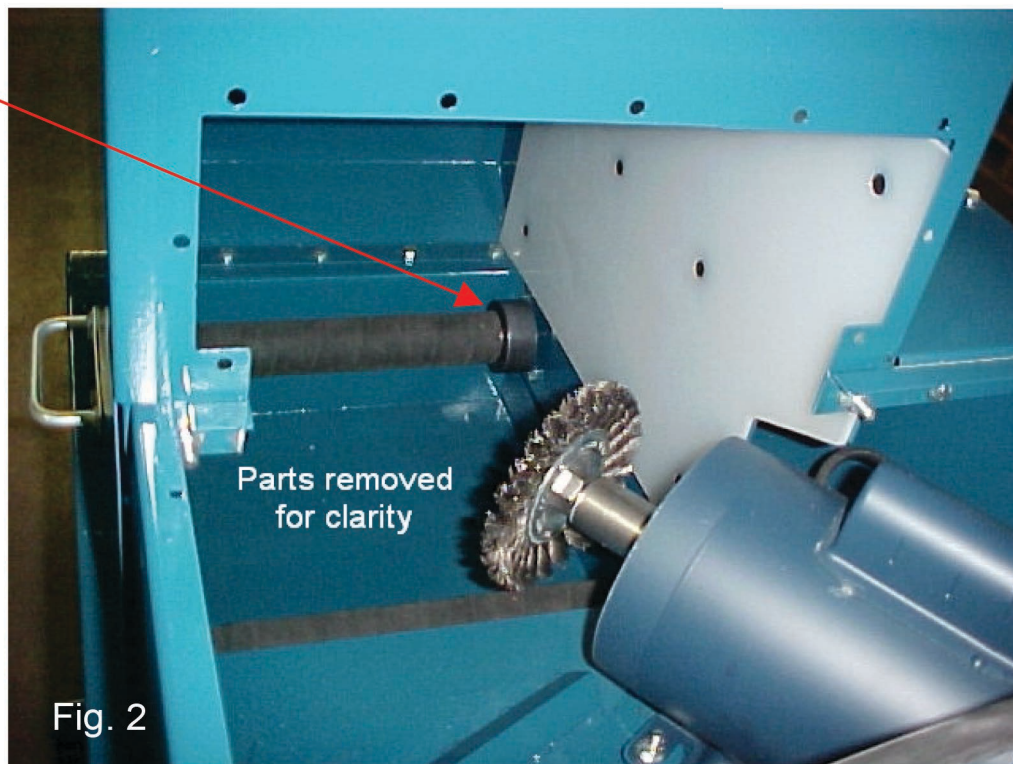
## OPERATING INSTRUCTIONS

Prior to each use rotate motor away from brushing area before putting a rim on the rubber drive rollers.

Open access door and place rim on the two rubber rollers up against the spacer guides.

Close access door.

Turn ON unit.

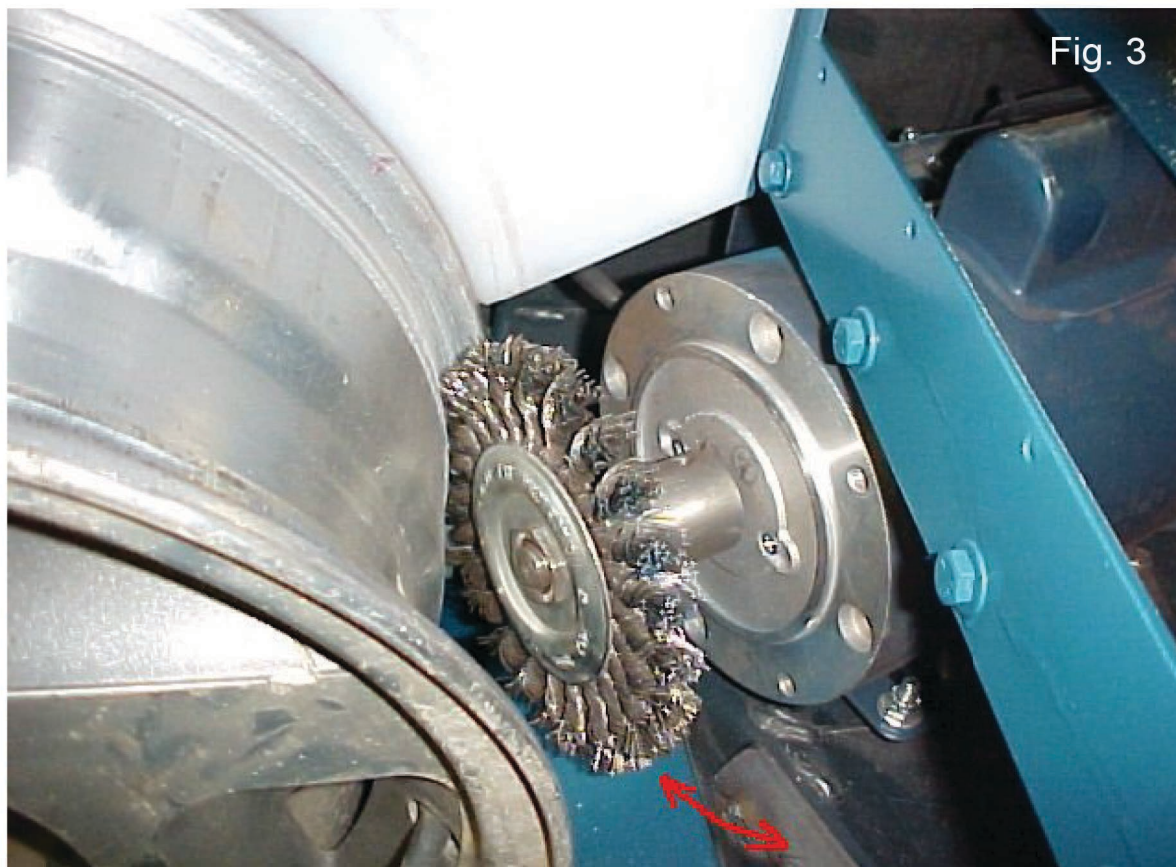


Whether the rim is steel or aluminum, severely corroded to mildly corroded, the applied force of the wire wheel brush contacting the rim needs to be taken into consideration. Too much force could cause damage to an aluminum rim, the unit motor or the wire wheel brush. Too little force will not allow the unit to properly clean a rim.

Rotate the crank handles to engage the brush on the rim flange area being cleaned.

Using the crank handles rotate and/or position the wire wheel brush near the rim surface to be cleaned. (See Fig 3, page 4.)

For better vacuum performance and a cleaner shop environment it is recommended to close the access door while cleaning wheel rims!



Make a visual inspection of the rim to determine if flange and bead seat area are complete. When that side of the rim is finished crank motor position away from contacting the rim and turn unit OFF.

Open access door, turn rim around and reposition on the rubber rollers up against the spacer guides, turn unit ON and clean opposite side of the wheel.

Repeat this process on all rim sizes ranging from 13" diameter to 20" diameter, up to 12-1/2" wide rims.

It's recommended to occasionally clean-out the motor operating area. Too much debris can cause excessive wear on rotating parts, flying particles and otherwise dirt build-up on greased components which could result in premature damage to the machine.

See Maintenance Instructions on page 5 for more specific details.

# MAINTENANCE INSTRUCTIONS

Refer to Fig. 4 to access lower chamber of unit where vacuum is located.

Remove and clean the vacuum filter and canister once a week. Dump dirt from the canister. Tap loose debris from air filter or use an air hose to clean out the air filter.

Replace air filter (TSI PN 12243-1) every 3 months depending on use. Refer to vacuum maintenance instructions included with the WC-15 unit for more detailed cleaning directions.

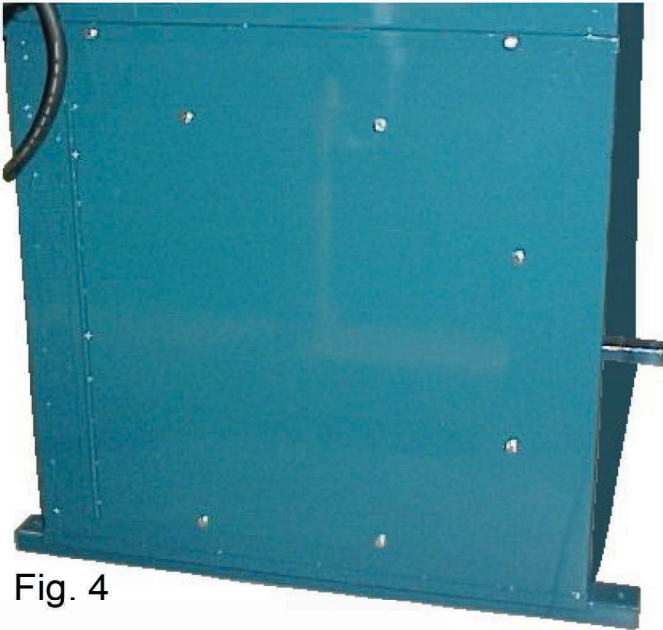


Fig. 4

Facing unit an access panel is located to the right. Turn power OFF before opening door.

Remove the six 1/4-20 screws to open door.

Lift vacuum out from inside the unit. Unlatch canister from motor housing and dispose contents.

Inspect air filter and clean as necessary.

Replace parts in reverse order.

To service the chain and other items located below the main unit, remove the screws on each end of the unit. The red arrows in Fig. 5 show their location on one side.

This same access is used to add grease to the four roller driven bearings.

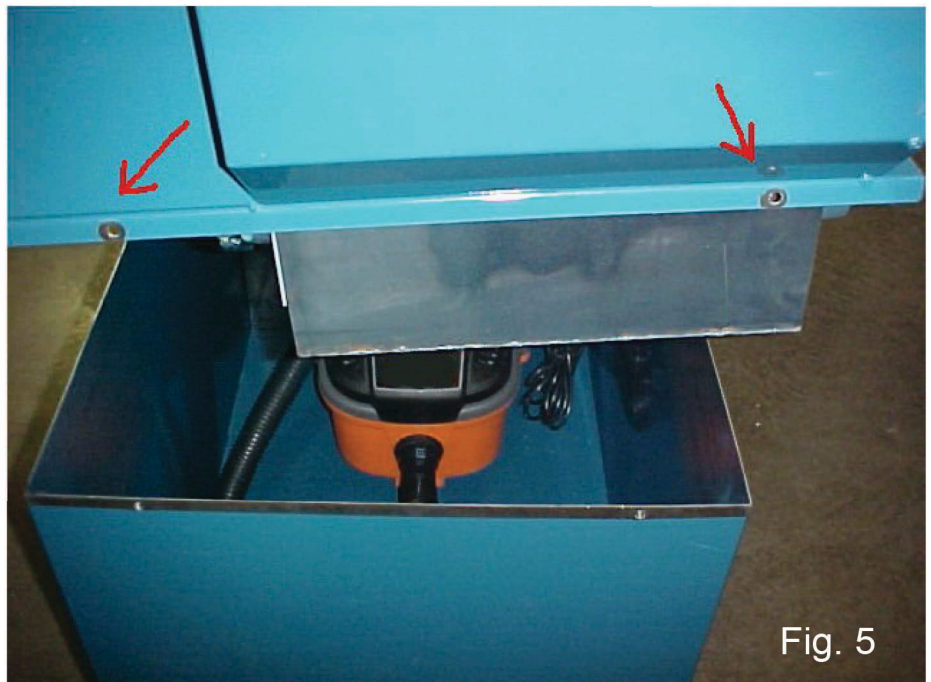


Fig. 5

## Caution

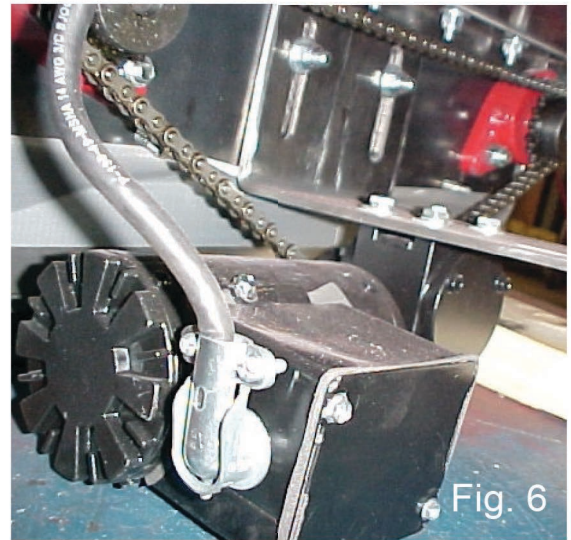
When removing top half of unit from lower section use caution not to place hands or limbs between the two halves. Use blocks of wood or some other item to brace each half before servicing or providing maintenance.

To replace each section be careful not to cut or pinch electric cords, vacuum hose or other unit parts otherwise associated to the unit.

Fig. 6 shows the gear motor used to drive the rubber coated rollers. Adjust chain tension using the slots in the mounting plate and the 3/8 bolts and hardware.

Optimum chain tension is  $\pm 1/8$  inch maximum deflection between the roller driven gear sprockets.

It is preferred to use dry spray graphite (not oil) on chain and sprocket drive train.



At right are two grease zerks. Lubricate each location.

Use chassis grease on all zerks.

To replace the halogen light bulb (TSI PN12170-1) unscrew the lens frame and remove bulb. Make sure unit is unplugged from electric power source to do this.



Fig. 8

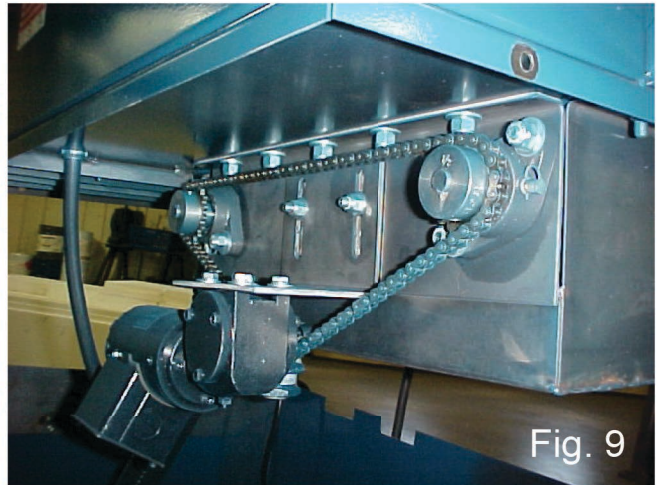


Fig. 9

Grease all four bearing zercks as needed. (Too much grease collects dirt.)

## Notes

# SPECIFICATIONS

## MACHINE DIMENSIONS

Tire Rim Size range:	13" to 20" Diameter x 12.5" Wide Max.
Weight:	300 Pounds
Power of Unit: Electric	230 Volt, Single Phase, 60Hz, 30 Amps
Exterior Dimensions:	48" Wide x 32" Deep x 48" Tall



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