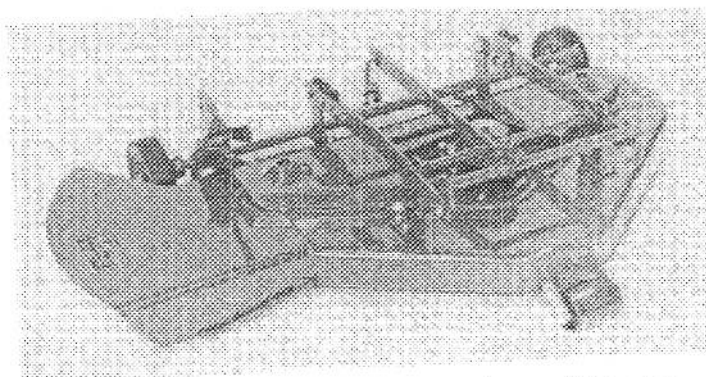
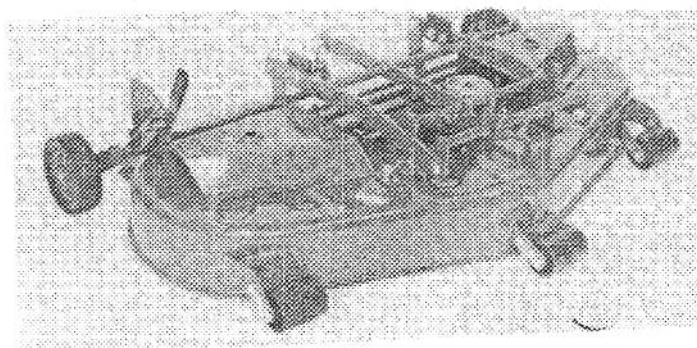


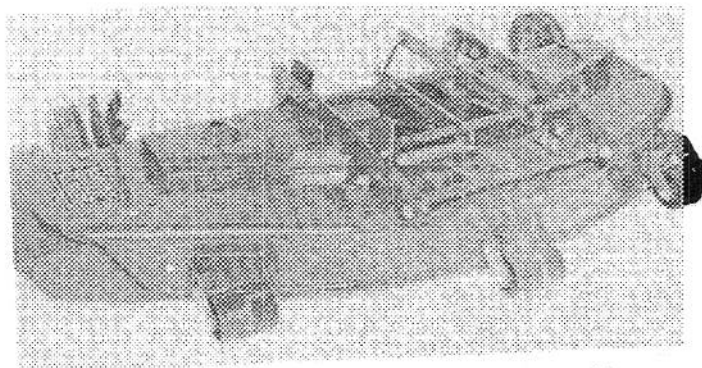
# **OPERATING AND MAINTENANCE INSTRUCTIONS**



**36 in. (92 cm) Rear and Side Discharge Mowers**



**42 in (107 cm) Rear Discharge Mower**



**42 & 48 in. (107 & 122 cm) Side Discharge Mowers**

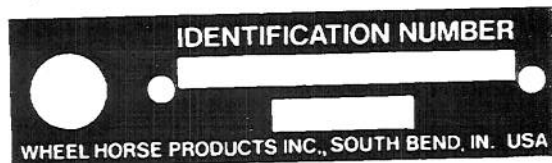


**WHEEL HORSE**  
lawn & garden tractors

**C-SERIES MOWERS**

## VEHICLE IDENTIFICATION (VIN) NUMBER

A Vehicle Identification Number identifies your Wheel Horse attachment. This number should always be referred to when consulting with your dealer or the factory concerning service, replacement parts, or questions you may have. If the VIN plate is removed during repair operations it should always be replaced. For your reference, record below the number from the VIN plate on your attachment.



## INSTALLATION

### POSITION MOWER UNDER TRACTOR (Fig. 1)

#### IMPORTANT

Before initial use:

Check that all three blade nuts are tight. Proper torque on the nuts is 60-70 ft. lbs. (84-98 Nm).

Check that the spindles have been lubricated. If necessary, grease the mower spindles using a pressure grease gun and #2 multi-purpose lithium grease. Grease zerks are at the top of the spindles.

Place the mower along the right side of the tractor. Position the height control lever in the lowest possible position (notch closest to the front) Fig. 1.

Turn the front wheels of the tractor fully left. Raise the tractor's attachment lift.

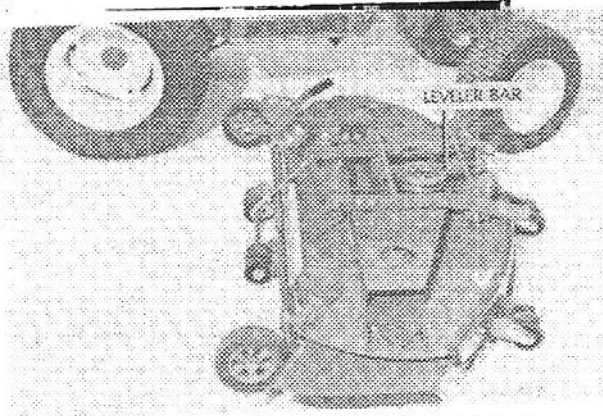


FIG. 1. Position Mower to Right of Tractor

Slide the mower under the tractor until the mower leveler bar is directly under the right side of the tractor frame.

### ATTACH MOWER TO TRACTOR (Fig. 2-4)

Lower the tractor's attachment lift. Align the lift bar and pin (attached to the tractor) with the slot in the mower leveler bar (Fig. 2).

Push the mower in until it is centered under the tractor.

Open the mid Tach-a-matic hitch by pushing the release button and pulling the latch forward (Fig. 3).

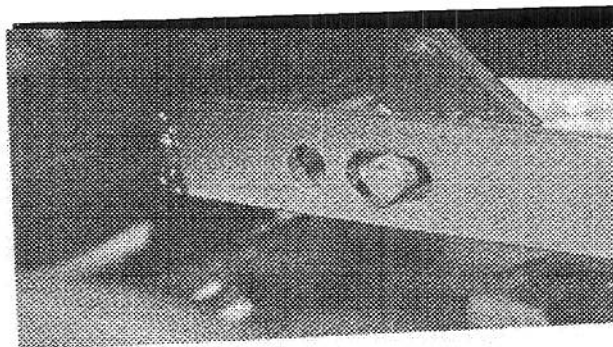


FIG. 2. Align the Pin with the Slot

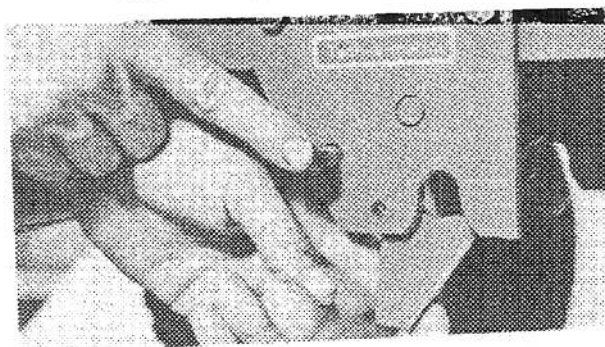


FIG. 3. Open the Mid Tach-a-matic Hitch

Adjust the mower hitch shaft so the fork faces upward. Adjust the mower so the welded spacers are positioned between the tractor hitch plates (Fig. 4).

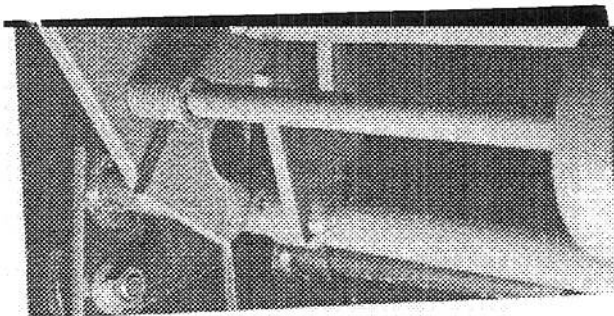


FIG. 4. Adjust Fork with Shaft

Lift the mower with the attachment lift. NOTE: When using a manual attachment lift, be sure the handle "locks" in the raised position.

Close the Tach-a-matic hitch by moving the latch rearward.

### INSTALL FRONT PULLEY SUPPORT (Fig. 5 & 6)

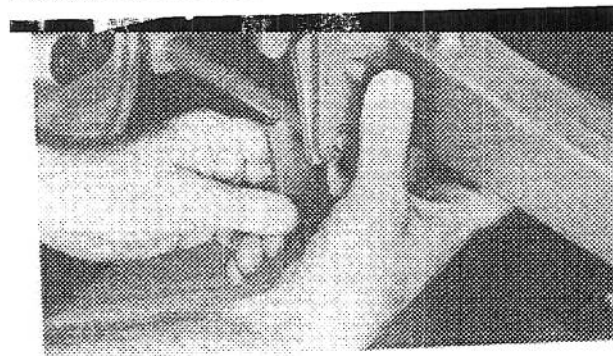
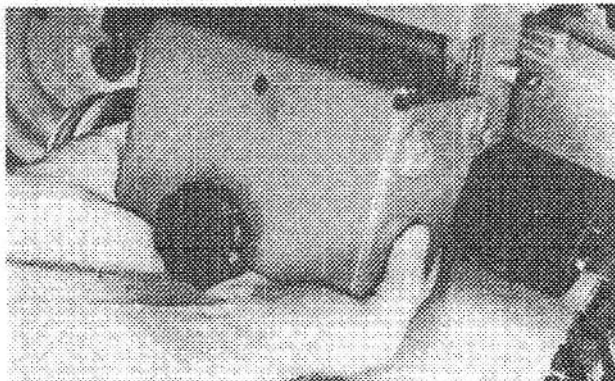


FIG. 5. Open Front Tach-a-matic Hitch

Open the front Tach-a-matic hitch by pushing the release button and pulling forward on the latch handle (Fig. 5).

Insert the shaft of the pulley support assembly into the hitch slots and push the latch handle to the rear to lock the latch (Fig. 6).



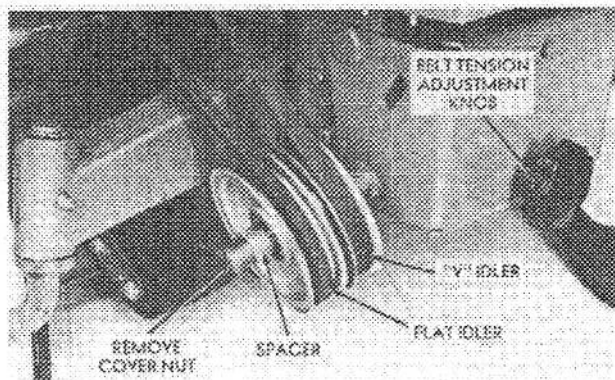
**FIG. 6. Install Pulley Box**

#### **INSTALL DRIVE BELT AND COVER (Fig. 7 & 8)**

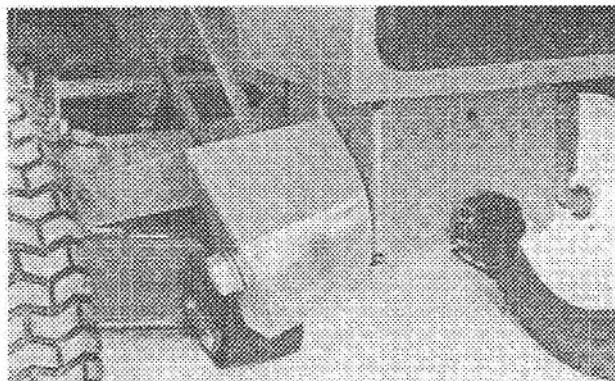
Turn the belt tension adjustment knob all the way clockwise.

Install the belt in the groove of the mower pulley and lead the belt strands around the idler pulleys, with the inside strand in the "V" pulley and the outside strand making a back bend around the flat idler (Fig. 7).

Place belt on inside groove of PTO clutch pulley (refer to "Attachment Belt" section of tractor Operator's Manual).



**FIG. 7. Install Drive Belt**



**FIG. 8. Install Pulley Support Cover**

Holding the pulleys in against the thrust collar, adjust the belt by turning the adjusting knob counter-clockwise until the top strand of the belt can just be depressed approximately 1 in. (2.5 cm) under moderate finger pressure at a mid-point between pulleys.

Remove the pulley cover retaining nut and install the cover, making sure the spacer stays on the pulley shaft. Reinstall the cover retaining nut (Fig. 8).

#### **REMOVAL**

Set the mower gage wheels in the lowest cutting position and lower the mower with the lift lever. Turn the front wheels all the way to the left.

Turn the belt adjustment knob clockwise all the way to loosen the belt and remove the belt from the mower pulley.

Push the mid-hitch lock release button and open the latch, releasing the mower hitch shaft.

Slide the mower out the right side until the lift bar pin comes out of the slot in the leveler bar.

Raise the lift lever and slide the mower out from under the tractor.

Remove the belt from the PTO clutch pulley. Remove the pulley support assembly by pushing the front hitch lock release button and opening the latch. The belt need not be removed from the pulley support assembly.

#### **OPERATION**

##### **IMPORTANT**

Each time the mower is installed, check for proper operation of the PTO clutch and brake. Adjustment of the PTO is covered in the tractor Operator's Manual. The first time the mower is used, or after installing a new mower drive belt, recheck belt tension after the first 20 minutes of operation (allow belt to cool before checking tension).

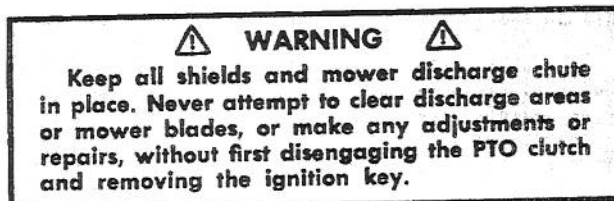
1. Disengage the PTO clutch and start the engine. Lift the mower with the tractor lift to remove weight of the mower from the gage wheels. **Note:** Never stand on the mower.
2. Move the height control lever to the hole on the quadrant corresponding to the desired cutting height. This can be set from 1½ to 3½ in. (4 to 9 cm) in ½ in. (1.2 cm) intervals. Recommended cutting height is 2-3 in. (5-7.6 cm) for most applications.
3. Lower the mower and adjust engine speed to full throttle. Engage the PTO clutch. Regulate ground speed with the transmission to 2-3.5 mph (3.2-5.6 km/h)\* for best cutting results on average lawns.

Uneven cutting often results from excessive ground speed. To correct, reduce ground speed with transmission while maintaining full throttle.

4. To mow extra tall grass, raise the mower to the highest position for the first cut and use a slow ground speed. Then recut to normal height.

\*Average walking speed is 2.5 mph (4 km/h).





## CHECKING MOWER LEVEL

For optimum efficiency the level of the mower should be checked at the time of initial installation and periodically as a check to see if alignment is maintained.

Position the tractor on a level floor, with the tires properly inflated. Place height control lever pin in the center hole of the quadrant and lower the mower.

Place a level on a flat area of the mower deck so the level runs in the same direction as the footrests.

Adjust until the deck is level from front to back with the adjustment nut on the level adjustment rod (Figs. 9, 10, 11), then back the nut off one (1) complete turn which will lower the front of the mower slightly. **Note:** The trunnion must always be installed in the hole nearest to the gage wheel support shaft.

Under some unusual mowing conditions, the mower may leave a "streak" of uncut grass, which can be caused by any one of the following conditions:

1. Engine being operated at less than full throttle.
2. Dull blades or underside of mower deck clogged with matted grass.
3. Ground speed too high for conditions — adjust to 2 mph (3.2 km/h), or less if necessary.
4. Streaking only on turns indicates turns are being made too sharply.
5. If blades have been sharpened a number of times, they may now be too short to "overlap" each other, and must be replaced.

If streaking persists after the above possibilities have been eliminated as the cause, adjust the mower until the deck is level, then turn the adjustment nut "in" one complete turn, to shorten the level adjustment rod and slightly raise the front of the mower.

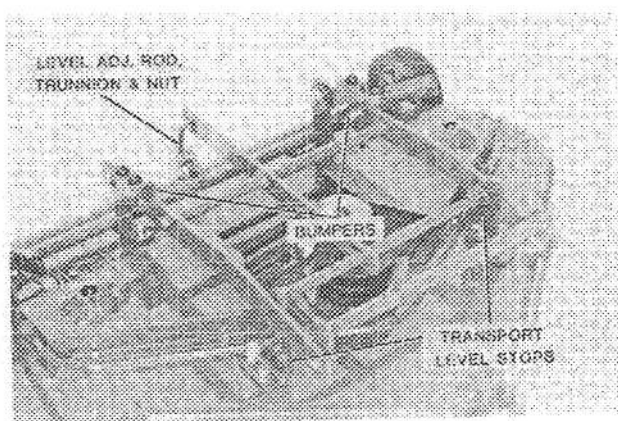


FIG. 9. 36 in. (92 cm) Mower Adjustments

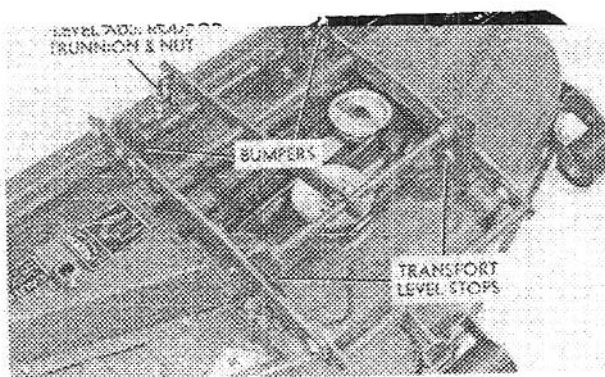


FIG. 10. 42 in. (107 cm) Rear Discharge Mower Adjustments

## TRACTOR LIFT BAR — TRUNNION & LIFT ROD ADJUSTMENT

This adjustment involves parts on the tractor. The trunnion on the lift chain should be adjusted so that the bumpers on the draft bars of the mower suspension come in contact with the footrests when the mower is raised to the full up position, with the trunnion stud in the rear hole of the lift lever.

## TRANSPORT LEVEL STOP ADJUSTMENT

If the mower is not level in the transport position the level stops may be adjusted, moving them in their bracket slots as required.



FIG. 11. 42 in. (107 cm) and 48 in. (122 cm) Side Discharge Mower Adjustments

The gage wheels on 42 in. (107 cm) rear discharge mowers can be adjusted to level the mower from left to right. If the mower is not level from left to right, loosen the small locknut and turn the large hex nut. The large nut is an eccentric nut that will slightly raise or lower either of the rear gage wheels individually. Once the mower has been leveled, retighten the locknuts (Fig. 12). Check the level of the deck front to rear as adjusting the rear wheels may affect this adjustment.

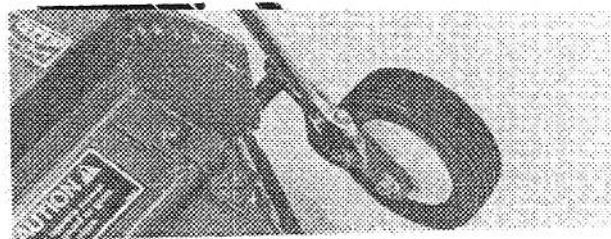


FIG. 12. Left to Right Level Adjustment  
42 in. (107 cm) Rear Discharge Mower Only

## MAINTENANCE AND STORAGE

### LUBRICATION

The spindle bearings should be lubricated at 50 operating hour intervals. Use a pressure type grease gun and #2 multi-purpose lithium grease to lubricate the spindle bearings. Four to six pumps of a hand type grease gun will usually fill each spindle after 50 hours use. Grease zerks are conveniently located at the top of the spindle shafts for lubrication.

Lubricate pivoting arms and levers at the same interval with light machine oil applied directly to wear surfaces. The anti-scalp rollers and gage wheels should NOT be lubricated.

### BLADE MAINTENANCE

To obtain optimum mowing results, mower blades should be kept sharp and well balanced. To sharpen blades, remove the mower from the tractor and invert the mower. Remove the blade attaching nuts and washers from the end of the spindles and remove the blades. A short piece of 2 x 4 lumber may be placed between the side of the mower deck and the blade to "lock" it in position when loosening attaching hardware.

File or grind the blades evenly. Take care to retain the angle of the original cutting edge. Blade balance can be checked on an inexpensive blade balancer, available at most hardware stores.

Reinstall the blades with the lift area (turned up section) facing the mower deck. Tighten the blade attaching nuts to a torque of 60-70 ft. lbs. (84-98 Nm).

### UNDERSIDE CLEANING

It is of vital importance to clean the underside of the deck frequently. The accumulation of matted clippings seriously impairs the mower's ability to "lift" grass blades into the cutting position and discharge clippings evenly. Matted grass clogging the underside of the mower is often times the cause of uneven cutting.

### REPLACEMENT BELTS

Be sure to purchase genuine Wheel Horse belts for replacement purposes as these belts are designed specifically for each application.

#### MOWER DRIVE BELT REPLACEMENT (Fig. 7 & 8)

Turn belt adjustment knob all the way clockwise.

Remove the belt cover retaining nut and remove the cover being careful not to lose pulley cover spacer. Reinstall the nut finger tight to avoid the possibility of the pulleys and spacers coming off.

Remove the belt from the PTO, mower and idler pulleys and examine the condition of the pulleys making sure the pulley grooves and bearings are in good condition.

Install the replacement belt and adjust tension. Refer to instructions for Fig. 7 & 8.

#### SPINDLE BELT REPLACEMENT

Remove the mower from the tractor.

Remove the two side belt covers. Note the way the belt is installed. Remove the belt. Check to be sure all pulleys work freely. Install a new belt in accordance with the belt diagram on the mower. Replace both belt covers.

### GENERAL CARE AND STORAGE

The top of the mower deck should be washed with a garden hose after each use. A mild automotive detergent may be used to remove stubborn dirt. After washing, allow the mower to dry, then start the tractor and engage the mower for approximately 1 minute to remove excess water from belts and pulleys.

Touch up painted surfaces with a fresh coat of "Wheel Horse Red", available from your authorized dealer in aerosol cans.

Store the mower in a clean, dry place or protect it with a weather-proof cover when stored outdoors.


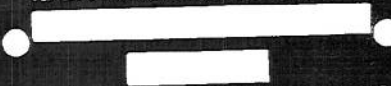
A separate parts manual for your Wheel Horse attachment can be obtained by completing the form below and sending it, along with a check or money order, to the address below.

**PUBLICATIONS**  
**WHEEL HORSE PRODUCTS, INC.**  
**P. O. Box 2649**  
**South Bend, Indiana 46680**

**ATTACHMENT**  
**PARTS MANUAL ORDER FORM**

Enter number shown on your attachment:

**IDENTIFICATION NUMBER**

**WHEEL HORSE PRODUCTS INC., SOUTH BEND, IN USA**

I have enclosed a check or money order for \$1.00 for each manual requested.

**MAILING LABEL — PLEASE PRINT CLEARLY**

**To:**

Name

Address

City

State

Zip

Product information and specifications are shown herein as of the time of printing. Wheel Horse Products, Inc. reserves the right to change product specifications, designs and standard equipment without notice and without incurring obligation.



**WHEEL HORSE**  
lawn & garden tractors