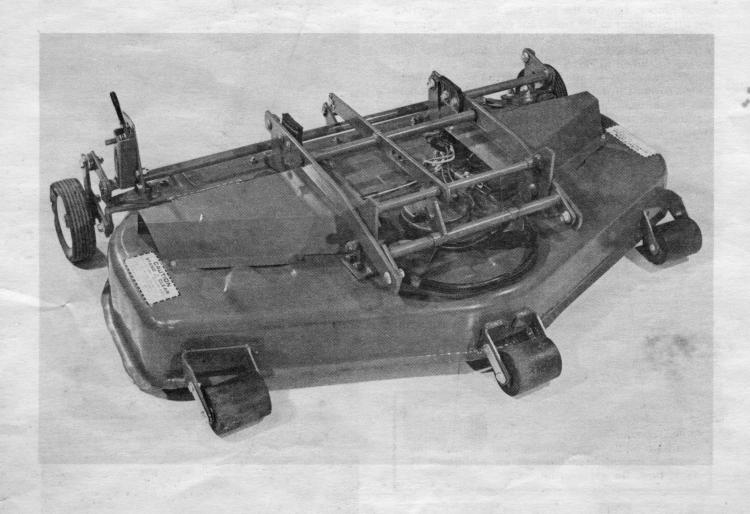
# OPERATING AND MAINTENANCE INSTRUCTIONS

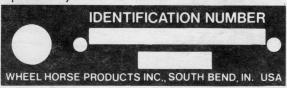




42 in. (107 cm) Battery Powered Mower

# 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.



# **ASSEMBLY**

# ATTACH HEIGHT CONTROL LEVER (Fig. 1)

Raise the rear of the mower and support the deck on both sides, using a double thickness of 2 x 4 wood blocks. Remove the two bolts and nuts securing the lift quadrant to the right rear corner of the mower deck (Fig. 1). Remove the clamp holding the gage wheel support rod. Install the height control lever and spring as shown in Fig. 1. Slip the welded pin, on the height control lever, into the guide hole in the gage wheel support bracket. Position the quadrant to hold the height control lever in place and replace the clamp, bolts and nuts. Tighten the nuts securely and remove the 2 x 4 blocks.

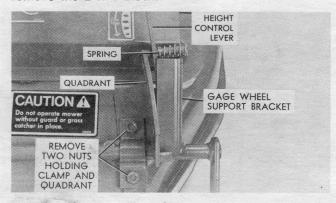


Fig. 1. Install Height Control Lever

# INSTALLATION

POSITION MOWER UNDER TRACTOR (Fig. 2)

# **IMPORTANT**

Before installation, check that all three blade bolts are tight. If any appear to be loose, tighten the bolt until the bolt head just contacts the washer, then tighten the bolt an additional  $\frac{1}{3}$  to  $\frac{1}{2}$  turn. Do not overtighten.



Fig. 2. Position Mower to Right of Tractor

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. 2.

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

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. 3, 4 & 5)

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. 3).

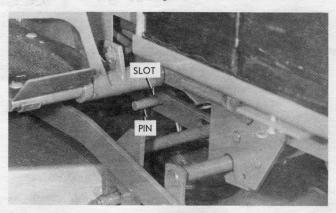


Fig. 3. Align The Pin With The Slot

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. 4).

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. 5).

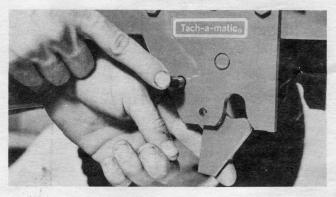


Fig. 4. Open The Mid Tach-a-matic Hitch

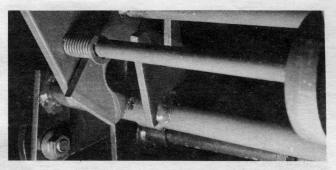


Fig. 5. Align Fork With Shaft

Lift the mower with the attachment lift. NOTE: Be sure the handle "locks" in the raised position.

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

CONNECT PIO PLUG (Fig. 0)

Turn the PTO switch and the ignition switch to their Off positions and remove the key. Disengage the power disconnect switch. Connect the PTO plug to the receptacle on the left side of the tractor. Be sure the mower cord is positioned as shown in Fig. 6, so the cord will not be pinched.

# 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.

Unplug the PTO power cord from the PTO receptacle.

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.

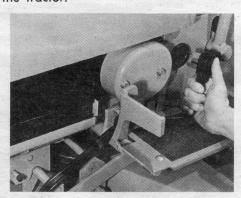


Fig. 6. PTO Plug

# **OPERATION AND ADJUSTMENT**

- 1. Lift the mower with the tractor lift lever 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. Normal cutting height is 2-3 in. (5-7 cm).
- 3. Turn the PTO switch Off and lower the mower before starting the drive motor.
- 4. Start the drive motor. Engage the PTO. Regulate ground speed with the transmission to 2-3.5 MPH (3.2-5.6 KPH)\* for best cutting results on average lawns.
- \*Average walking speed is 2.5 MPH (4 KPH).

Uneven cutting often results from excessive ground speed. To correct, reduce ground speed with transmission.

- the highest position for the first cut using the lowest ground speed. Then recut to normal height.
- 6. Each mower motor is equipped with a separate thermal overload circuit breaker. These circuit breakers protect the motors from damage due to an overload condition. The mower is designed so that if any of these circuit breakers open, the entire mower shuts down. The circuit breaker will reset automatically after the mower motor has had time to cool.

# MARNING A

Keep all shields in place. Never attempt to clear discharge areas or mower blades, or make any adjustments or repairs, without first disengaging the PTO, removing the ignition key, and disengaging the power disconnect switch.

### 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 from front to back.

Adjust until the deck is level from front to back with the adjustment nut on the level adjustment rod which connects the back of the lift bar to the gage wheel support lever, then back the nut off one (1) complete turn which will lower the front of the mower slightly.

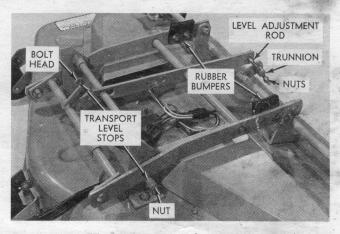


Fig. 7. Mower Adjustments

-2-

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

Attachment parts manuals include listings for more than one attachment, and may contain parts lists for other Wheel Horse implements you own. Therefore, it is suggested that you request parts manuals for your attachments one at a time to avoid receiving duplicate manuals.

PARTS DEPARTMENT
WHEEL HORSE PRODUCTS, INC.
515 W. Ireland Road
South Bend, Indiana 46614

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:

- Dull blades or underside of mower deck clogged with matted grass.
- Ground speed too high for conditions adjust to 2 MPH (3.2 KPH), or less if necessary.
- Streaking only on turns indicates turns are being made too sharply.
- 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.

The gage wheels 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. 8). Check the level of the deck front to rear as adjusting the rear wheels may affect this adjustment.



Fig. 8. Left to Right Level Adjustment

# TRACTOR LIFT BAR — TRUNNION & LIFT ROD ADJUSTMENT

This adjustment involves parts on the tractor. With the mower raised to the full up position the trunnion on the lift rod (chain) should be adjusted so that the bumpers on the draft bars of the mower suspension come in contact with the foot rests, with the trunnion stud in the rear hole of the lift lever.

# TRANSPORT LEVEL STOP ADJUSTMENT

For normal operation the level stops should be adjusted so that the carriage bolt heads are set at the top of the bracket slots. If the mower does not cut level in the transport position the level stops may be adjusted, moving them in their bracket slots as required.

# MAINTENANCE AND STORAGE

## LUBRICATION

Lubricate the gage wheels after every 10 operating hours with a pressure grease gun and #2 multipurpose lithium grease. Lubricate pivoting arms and levers at the same interval with light machine oil applied directly to wear surfaces. The front roller bushings 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 bolts 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; be sure the neoprene washer is still in place on each spindle. Tighten the blade attaching bolts until the bolt head just contacts the washer, then tighten the bolt an additional  $\frac{1}{3}$  to  $\frac{1}{2}$  turn. **Do not overtighten.** 

# 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.

# **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 before use.

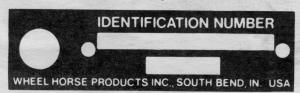
Touch up painted surfaces with a fresh coat of "Wheel Horse Red", available from your authorized dealer in aerosol cans.

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

# \*

# ATTACHMENT PARTS MANUAL ORDER FORM

Enter number shown on your attachment:



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

# MAILING LABEL - PLEASE PRINT CLEARLY

Name
Address

Zip

State

City