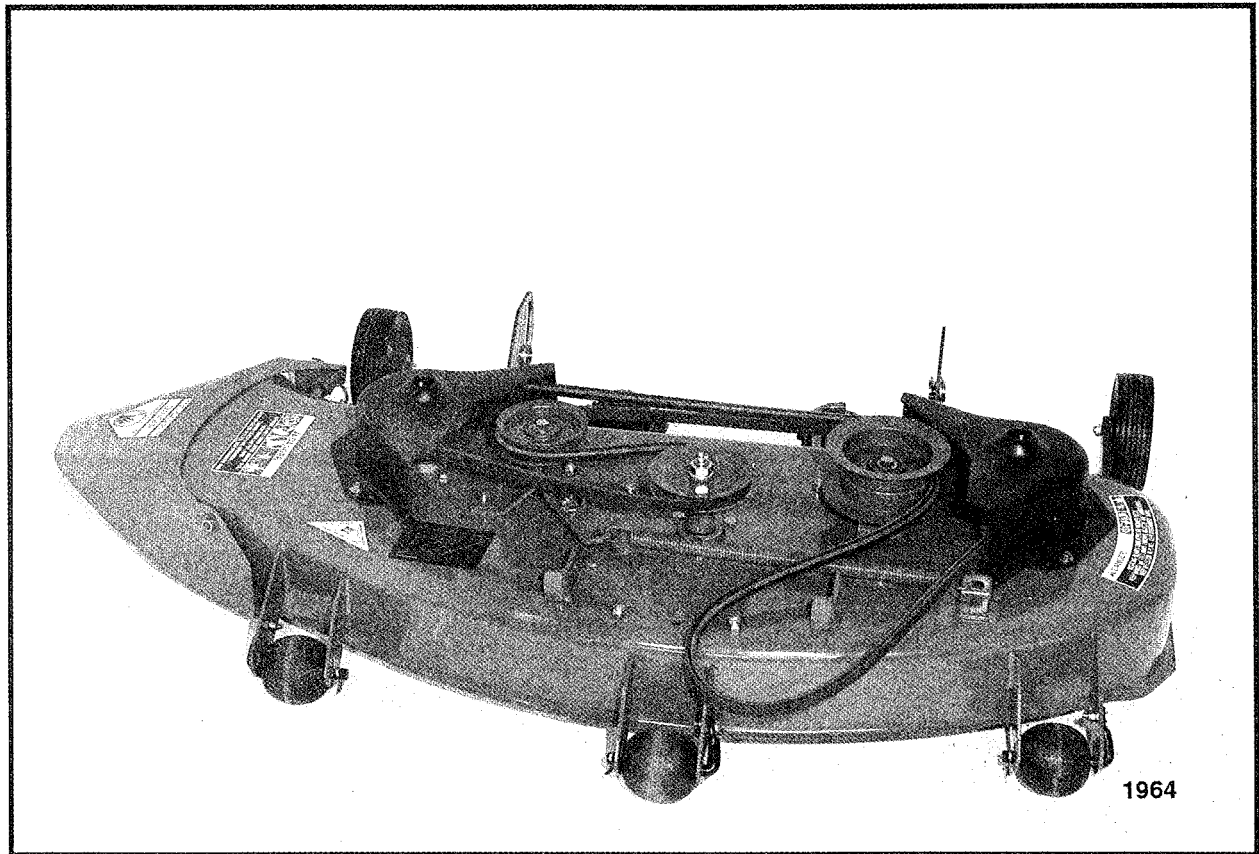


# Operating & Maintenance Instructions



42 in. (107 cm) Side Discharge Mower

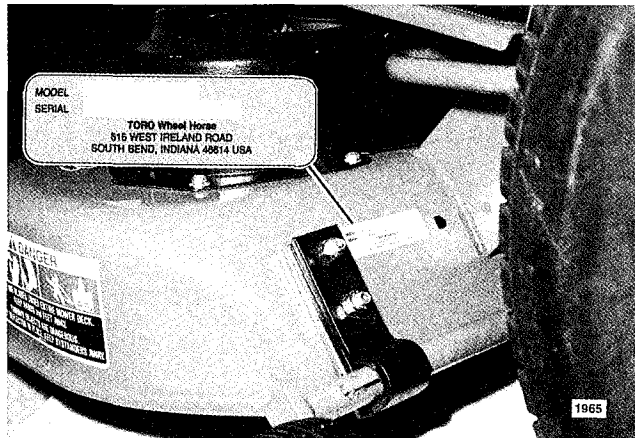
240-Series  
Lawn Tractor  
Mower



**Wheel Horse®**  
Tractors & Riding Mowers

## MODEL AND SERIAL NUMBER

A Model and Serial Number identifies your Toro Wheel Horse attachment. These numbers should always be referred to when consulting with your dealer or factory concerning service, replacement parts, or questions you may have. If plate is removed during repair operations it should always be replaced. For your reference, record numbers from Model and Serial Number plate on your attachment.



Model and Serial Number

## ASSEMBLY

### INSTALL DISCHARGE CHUTE

Locate discharge chute. Remove rear cotter pin, front nut and one plastic flat washer from deck (Fig. 1). Make sure second front washer and rubber bushing is retained on deck bolt. Hook spring end into small rear hole of discharge chute and install chute on rear deck pin using removed cotter pin. Install front of discharge chute on front deck bolt and secure using removed flat washer and nut. Check that discharge chute moves freely up and down with spring down pressure.

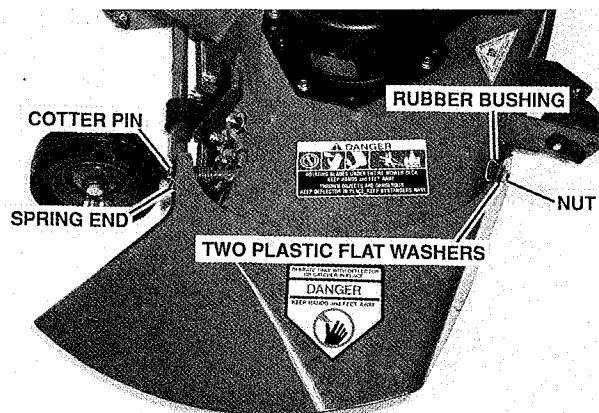


FIG. 1 Install Discharge Chute

## INSTALLATION

### IMPORTANT

Before installation, check that all mower blade nuts are tight:  
Blade Nut Torque - 80-100 ft. lbs. (112-140 Nm)

## MOWER

Position mower on right side of tractor, turn front wheels all the way left (Fig. 2).

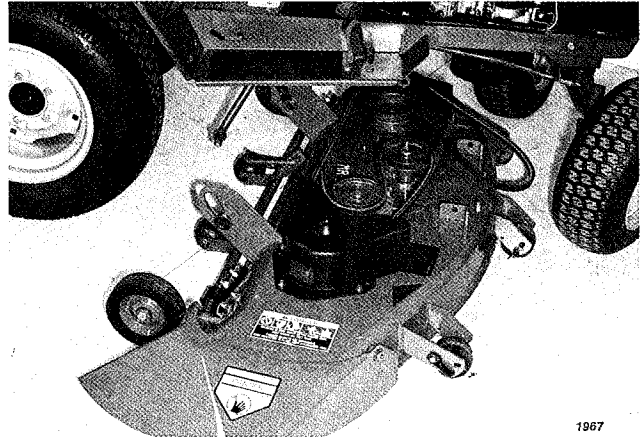


FIG. 2 Slide Mower Under Tractor.

Raise attachment lift all way up in latched position. Slide mower under tractor and straighten front wheels. Turn Dial-A-Height knob all the way counterclockwise and lower attachment lift. Align left and right guide bushings with lift arm (Fig. 3). Slide mower to the left slightly to engage left hand bushing on lift arm and then right hand bushing on lift arm. Secure bushings to lift arm with flat washers and hairpin cotters (Figs.3 & 4).

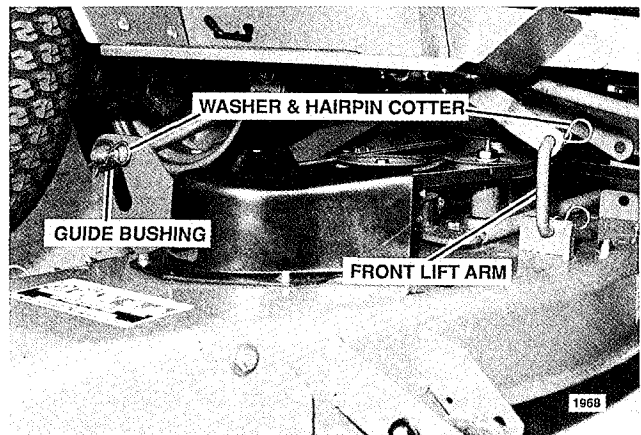


FIG. 3 Right Hand Mower Attachment

Connect right front link to lift arm with washer and hairpin cotter (Fig. 3). Connect left rear link to lift arm with washer and hairpin cotter (Fig. 4). Install drive belt and level mower.

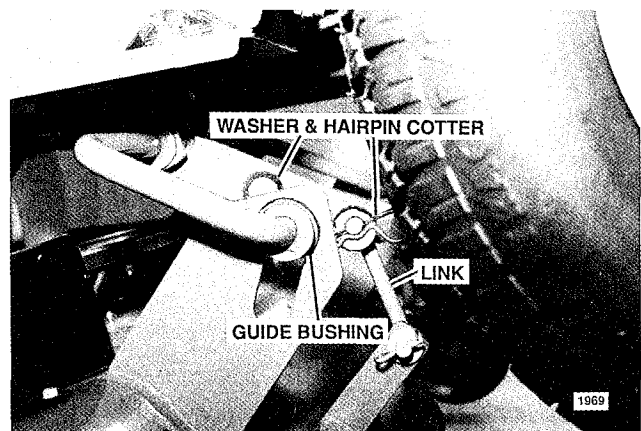


FIG. 4 Left Hand Mower Attachment

## DRIVE BELT

Refer to Dial-A-Height height of cut decal located on hood-stand to the left of steering column (Fig.5). Turn Dial-A-Height knob so that indicator is at desired cutting height. Determine bottom or top PTO pulley to be used by location of Dial-A-Height indicator. Make sure drive belt is seated in Spindle pulleys, pull on idler pulley and install belt on PTO pulley (Fig.6).

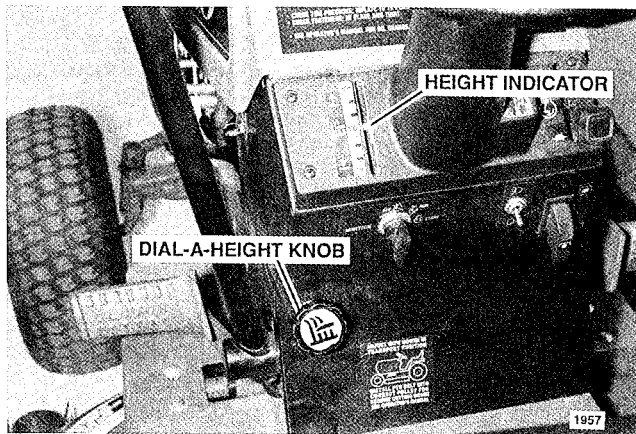


FIG. 5 Mower Cutting Height Indicator

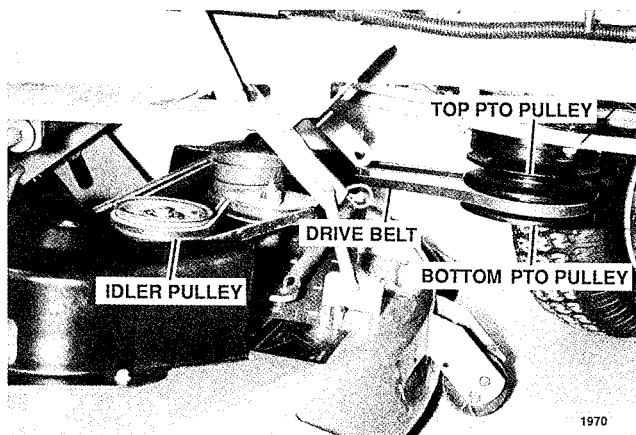
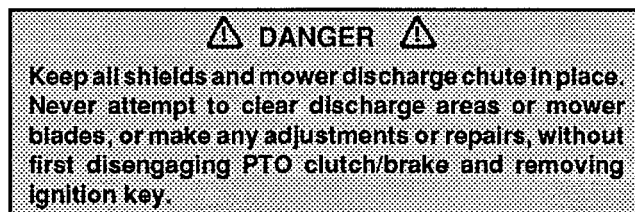


FIG. 6 Install Drive Belt

**NOTE:** If mower cutting height is changed, drive belt may have to be repositioned in grooves of PTO pulley.

## ADJUSTMENTS



## CUTTING HEIGHT

Mower cutting height can be set from "LOW" to "HIGH" range. To set cutting height, raise attachment lift all the way up to latched position. Move Dial-A-Height knob clockwise or counterclockwise so that indicator is at desired height (Fig.5). Lower attachment lift.

Indicator also shows the proper PTO belt pulley groove to

use. A double groove PTO pulley allows the operator to reduce belt misalignment when using mower cutting heights of 3/4" thru 4". Upper pulley is used for typical 2" thru 4" cutting heights. Lower pulley must be used for very low cutting heights of 3/4" thru 2 1/2". Declutch PTO when height setting is outside specified range of PTO pulley being used e.g., when lifting to transport height with belt in lower PTO pulley.

## LEVEL MOWER

If mower height is changed more than 2" from original height adjustment, mower must be readjusted.

There is one adjustment procedure for 3/4" thru 3" and a second adjustment for 3" thru 4". Both adjustments must be made every time mower adjustment is performed.

Park tractor on a smooth level surface. Check tires for proper inflation pressure - 12PSI (.85kg/cm<sup>2</sup>).

Set mower in middle cutting height position.

### 3/4" THRU 3" ADJUSTMENT

Turn blades front-to-back. Adjust trunnion on rod so that blade tips are equal distance from surface (Figs 7 & 8). Support front of mower with wood block to relieve pressure on trunnion and remove wood block after trunnion is reinstalled. After equal distance is achieved, adjust trunnion counterclockwise one turn to slightly lower front of mower.

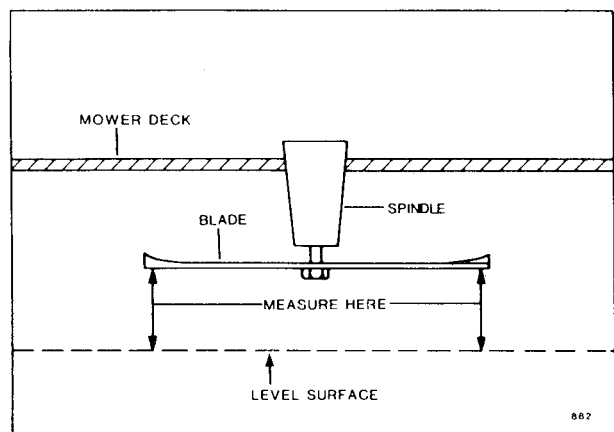


FIG. 7 Blade Level

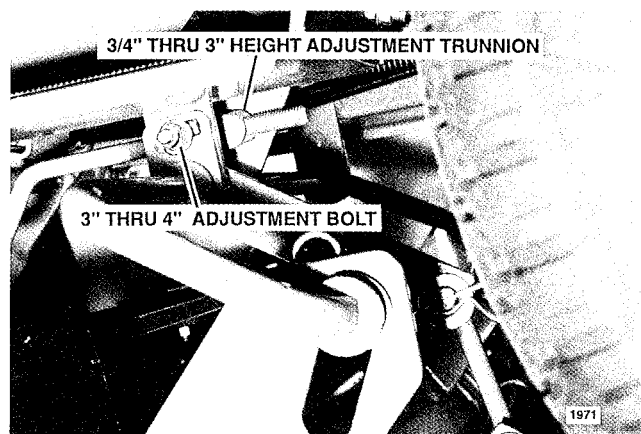


FIG. 8 Level Adjustment

### SIDE-TO-SIDE (3" Thru 4" Range)

Raise attachment lift all the way up in latched position. Loosen adjustment bolt and rotate hanger bars to raise or lower mower (Fig. 8). Retighten adjustment bolt.

### MOWER REMOVAL

Pull on drive belt idler pulley and remove belt from PTO pulley (Fig. 6). Remove hairpin cotters and washers from left and right front links and rear lift rod (Figs. 3 & 4). Raise attachment lift all the way up in latched position. Turn front wheels all the way left and slide mower out from under right side of tractor.

### OPERATION

#### IMPORTANT

**Every time mower is installed, check for proper operation of PTO clutch and brake. Adjustment of PTO is covered in tractor Operator's Manual.**

For best performance operate engine at full throttle. Use transmission to set tractor speed between 2 and 3.5 mph (3.2 and 5.6 kph) depending on height, moisture content and density of turf to be mowed. Uneven cutting is often a result of excessive ground speed.

Average lawns are usually cut at a height between 2 and 3 inches (5 to 7.6 cm). Every time mower cutting height is changed refer to "Cutting Height" and "Level Mower" sections in this manual for proper belt alignment and level setting. Tall grass and weeds should be cut with mower in its highest position, making a second pass cutting to height desired. Always keep mower blades sharp.

Very tall grass can be cut without difficulty by using a little care. Set mower in its highest cutting position and enter area in first gear. If necessary, take a cut one-half the width of mower, overlapping previously cut area on each pass. Then, with mower set to desired height, make a finish cut over entire area.

Under some unusual mowing conditions, 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 kph), or less if necessary.
4. Use of incorrect PTO pulley or level adjustment.
5. Incorrect tire pressures.
6. Striking only on turns indicates turns are being made too sharply.
7. If blades have been sharpened a number of times they may be too short to "overlap" each other, and must be replaced.

### MAINTENANCE AND STORAGE

#### ⚠ CAUTION ⚠

Sharp edges of mower blades can cut you during blade maintenance or adjustment. Use suitable covering over cutting edges of blade to prevent bodily harm.

### BLADE MAINTENANCE

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

File or grind blades evenly. Take care to retain angle of original cutting edge. Blade balance can be checked on a blade balancer, available at most hardware stores. Reinstall blades with lift area (turned up section) facing mower deck. Tighten blade attaching bolts to a torque of 80-100 ft. lbs. (112-140 Nm).

Reinstall mower on tractor.

### LUBRICATION

Lubricate pivoting arms and levers after every 10 hours of operation, with light machine oil, applied directly to wear surfaces. Rollers should NOT be lubricated. Idler pulley arm should be greased at 50 hrs. (Fig. 9).

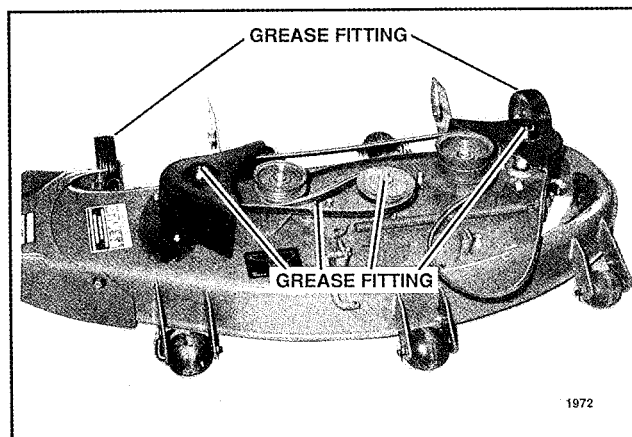


FIG. 9. Grease Fittings

Mower spindle bearings should be lubricated at 50 operating hour intervals. Use a pressure type grease gun and #2 multi-purpose lithium grease to lubricate spindle bearings. Four to six pumps of a hand type grease gun will usually fill each spindle after 50 hours use. Grease fittings are conveniently located on spindle housings. Lubricate mower gage wheels every 25 hours.

### UNDERSIDE CLEANING

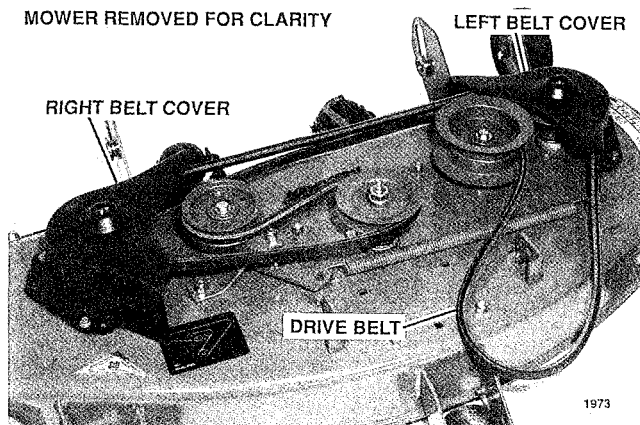
It is of vital importance to clean underside of mower deck frequently. Accumulation of matted clippings seriously impairs mower's ability to "lift" grass blades into cutting position and discharge clippings evenly. Matted grass clogging underside of mower is often times a cause of uneven cutting.

## REPLACEMENT MOWER DRIVE BELT

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

### MOWER DRIVE BELT REPLACEMENT

Stop engine and remove spark plug wire. Lower mower all the way down. Pull on idler pulley and remove belt from PTO clutch pulley (Fig. 6). Remove right and left belt guards (Fig. 10). Remove drive belt from mower. Position belt on mower as shown in figure 10. Reinstall belt guards. Pull on idler pulley, install belt on PTO clutch pulley. Refer to "Cutting Height" section in this manual for correct PTO pulley usage.



**FIG 10. Drive Belt Routing**

## GENERAL CARE AND STORAGE

Top of 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 mower to dry, then start tractor and engage mower for approximately one minute to remove excess water from belts and pulleys.

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

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



A separate parts manual for your Toro Wheel Horse attachment can be obtained by completing the attached form below. You will receive an invoice with manual.

**PUBLICATIONS  
TORO WHEEL HORSE  
8111 Lyndale Ave. So.  
Bloomington, Minnesota 55420**

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**PARTS MANUAL ORDER FORM**

MAIL LABEL -- PLEASE PRINT CLEARLY

Enter number shown on your attachment:

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Name \_\_\_\_\_

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MODEL	
SERIAL	
<b>TORO Wheel Horse</b> 515 WEST IRELAND ROAD SOUTH BEND, INDIANA 46614 USA	

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