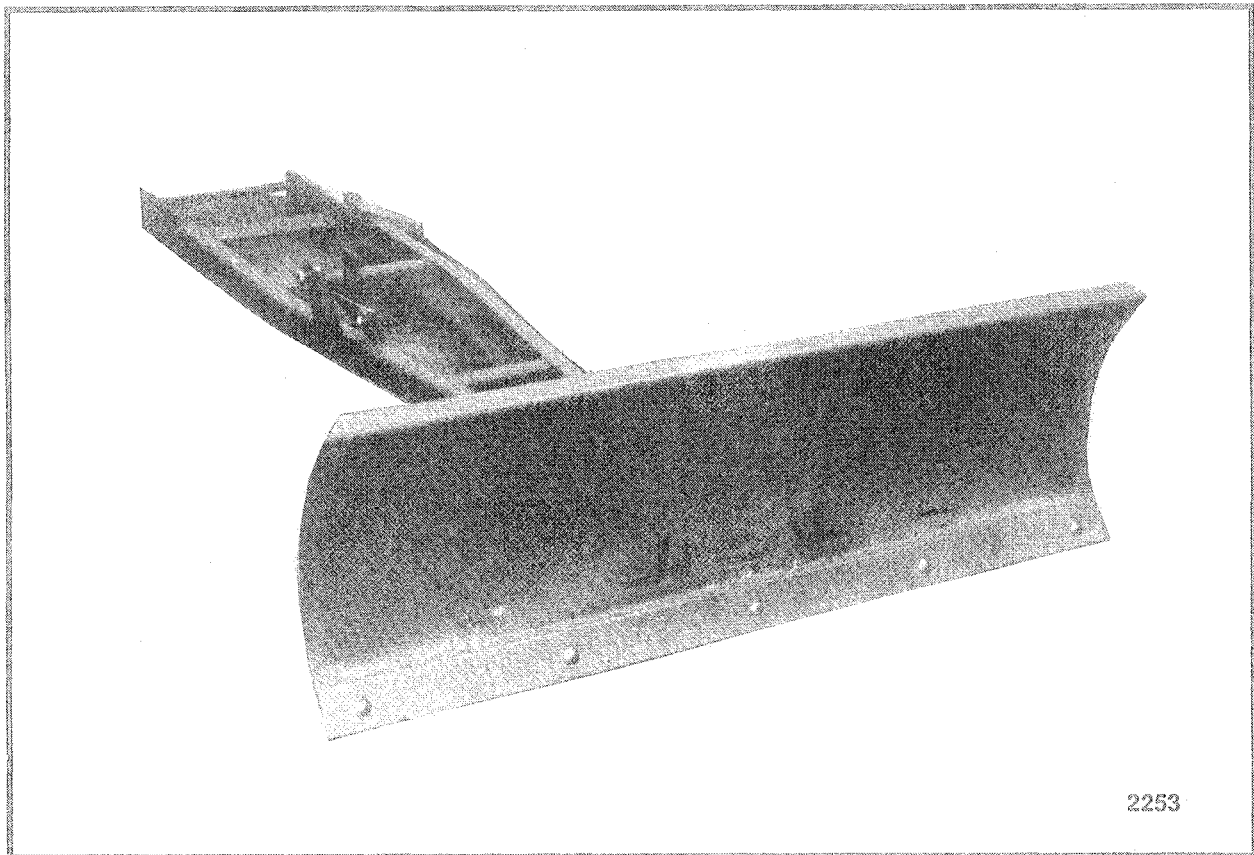


MODEL NO. 79251-3900001 & UP

**INSTALLATION  
INSTRUCTIONS**

**WHEEL HORSE®**  
48 in. Snow Blade - YT



2253

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## SAFETY DECALS AND INSTRUCTIONS

Safety decals and instructions are easily visible to the operator and are located near any area of potential danger. Replace any decal that is damaged or lost.



# DANGER

**HITTING FIXED OBJECTS MAY STOP  
TRACTOR ABRUPTLY AND COULD CAUSE  
INJURY AND EQUIPMENT DAMAGE.** 92-1745

Back of Blade  
Part No. 92-1745

## 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 _____
SERIAL NO. _____

## MOUNTING INFORMATION

As shipped, this Snow/Dozer Blade can be installed on 240-Series tractors.

## ASSEMBLE BLADE FRAME

There are two sizes of hairpin cotters used, which will be identified as "Large" and "Small" during assembly.

Position frame so that it rests flat on surface (Fig. 1). Locate shorter of two supplied rods. Insert 90 degree bend end of rod through frame brace. Install rod end to pin and bend rod to hold it in place.

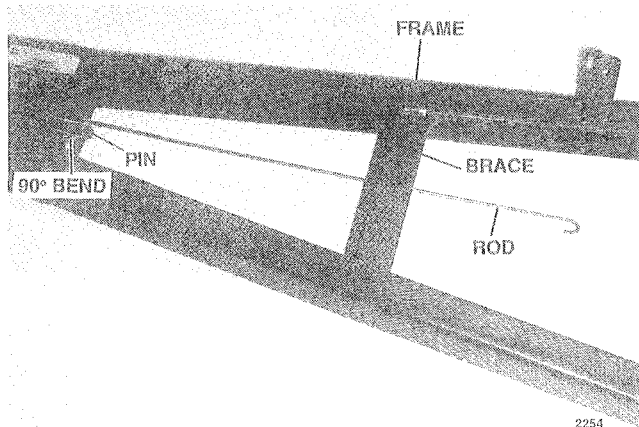


FIG. 1 Attach Lower Index Rod

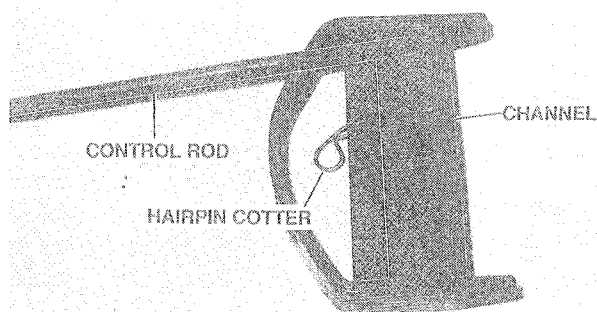


FIG. 2 Install Blade Control Rod

Locate channel assembly, control rod and one large hairpin cotter (Fig. 2). With narrow channel plate facing up, insert end of control rod that does not have a welded washer into smaller hole located at end of plate. Secure with large hairpin cotter.

Apply a liberal amount of general purpose grease to frame and channel pivot area (Fig. 3). Attach channel, with control rod toward bottom, to frame using 3/4-16 x 3/4 bolt and nut. Leave bolt loose enough to allow sector to move freely in frame.

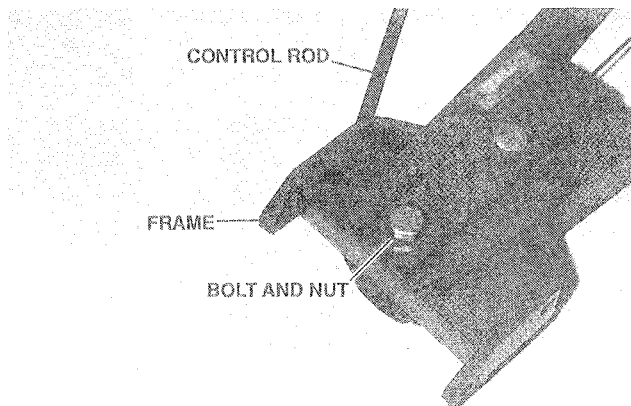


FIG. 3 Attach Channel to Frame

Locate bellcrank, plate, four 3/8-16 x 1 bolts and nuts, 3/4 flat washer and 3/16 x 1 1/4 cotter pin (Fig. 4). Install bellcrank and plate on frame.

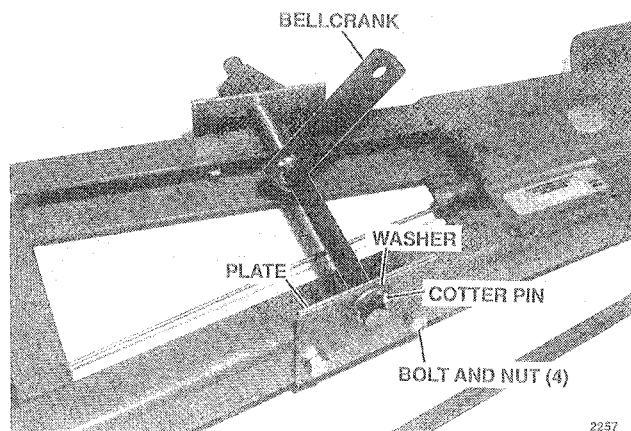


FIG. 4 Install Bellcrank

Locate front hitch arm, 1/2 flat washer and 3/32 x 1 cotter pin (Fig. 5). Install arm to bellcrank.

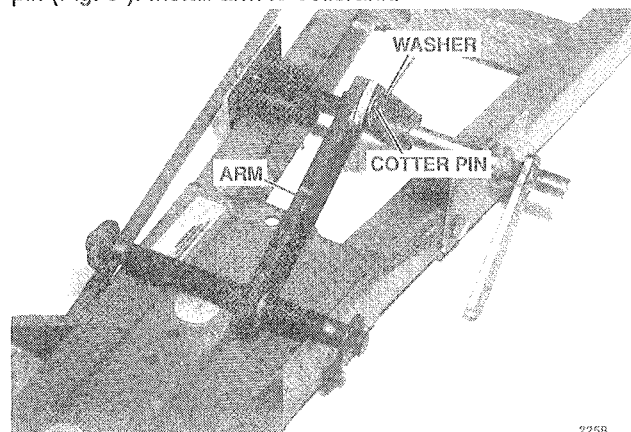


FIG. 5 Install Arm

## PREPARE TRACTOR

### INSTALL STEERING ARM STOP

Locate tractor steering arm stop and install on tractor with supplied self tapping bolt (Fig. 6). Some tractors may need a 0.281 inch hole drilled for self tapping bolt.

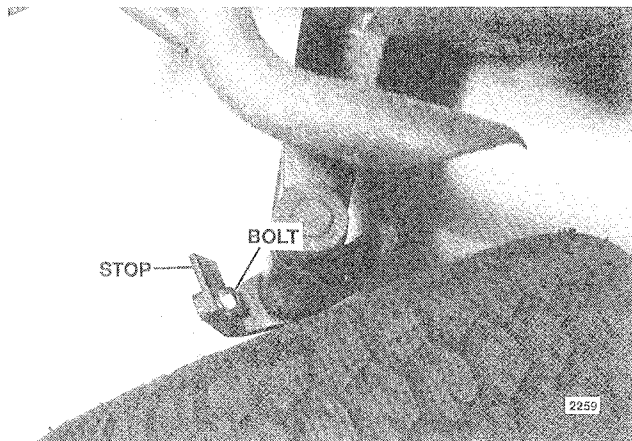


FIG. 6 Install Steering Arm Stop

### FRONT MOUNT

Locate front Attach-A-Matic hitch and four 3/8-16 X 1 carriage bolts and nuts (Fig. 7). Remove E-Ring and flat washers from tractor front axle pivot pin. Discard flat washers. Install front Attach-A-Matic hitch on tractor using four carriage bolts and nuts and previously removed E-Ring. Some tractors will only accept two bolts.

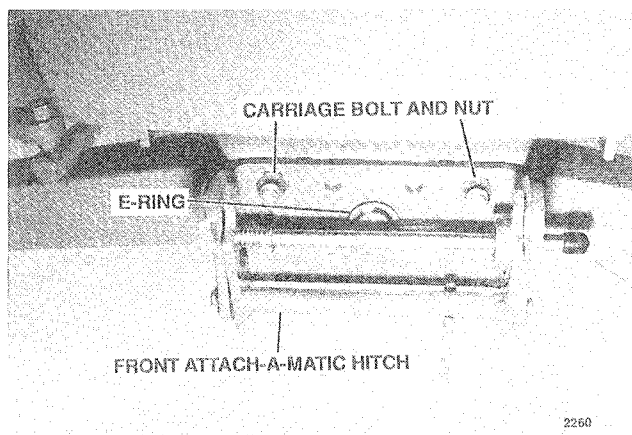


FIG. 7 Install Attach-A-Matic Hitch

### REAR MOUNT - HYDROSTATIC

Locate right rear hitch plate, two 5/16-18 x 1 1/2 bolts and nuts, two 1/2-13 x 1 1/2 bolts and nuts and bracket (Fig. 8).

Support tractor with suitable block and remove right rear tire. Remove and discard two 5/16-18 x 1 1/4 frame bolts. Install hitch plate and bracket on tractor using supplied hardware.

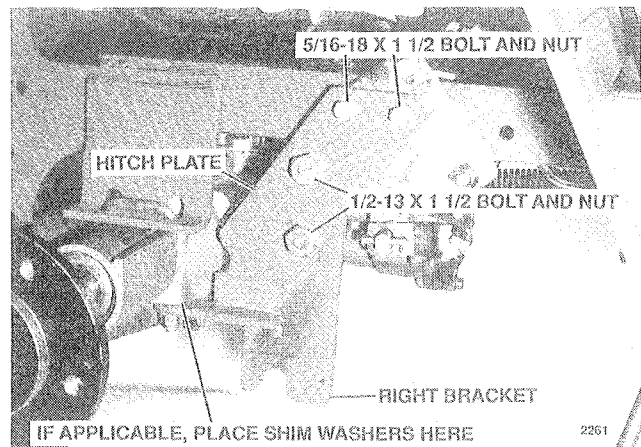


FIG. 8 Right Rear Hitch Plate - Hydrostatic

Reinstall tire and remove block. Locate left rear hitch plate two 5/16-18 x 1 1/2 bolts and nuts, two 1/2-13 x 1 1/2 bolts and nuts and bracket (Fig. 9).

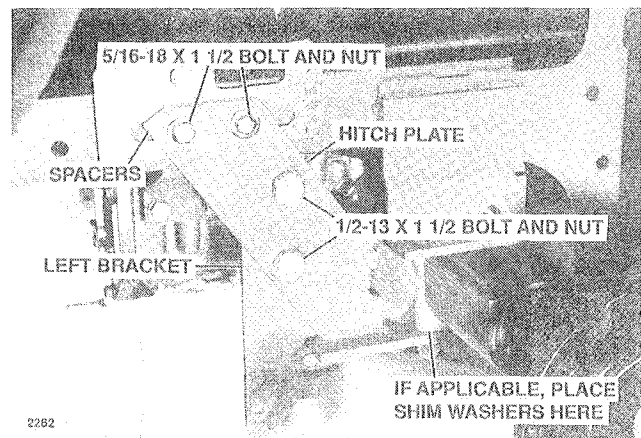


FIG. 9 Left Rear Hitch Plate - Hydrostatic

Support tractor with suitable block and remove left rear tire. Remove and discard two 5/16-18 x 1 1/4 frame bolts. Save spacers for hitch plate installation. Install hitch plate and bracket on tractor using supplied hardware and removed spacers. Reinstall tire and remove block.

### REAR MOUNT - 5-SPEED

Find hitch bracket, two 1/2-13 x 1 1/2 bolts, 1/2-13 jam nut and two 1/2-13 elastic stop nuts. Support tractor with suitable block and remove left rear tire. If applicable, drill out tractor holes to fit 1/2 inch bolts (Fig. 10), 3/8 bolts **MUST NOT** be used. Install bracket on tractor as shown in Figures 10 and 11. Hook clutch spring on inside top bolt (Fig. 11).

Reinstall tire and remove block. Find other hitch bracket, two 1/2-13 x 1 1/2 bolts, 1/2-13 jam nut and two 1/2-13 elastic stop nuts. Support tractor with suitable block and remove right rear tire. If applicable, drill out tractor holes to fit 1/2 inch bolts (Fig. 12), 3/8 bolts **MUST NOT** be used. Install bracket on tractor as shown in Figures 12 and 13. Hook brake spring on inside bottom bolt (Fig. 13). Reinstall tire and remove block.

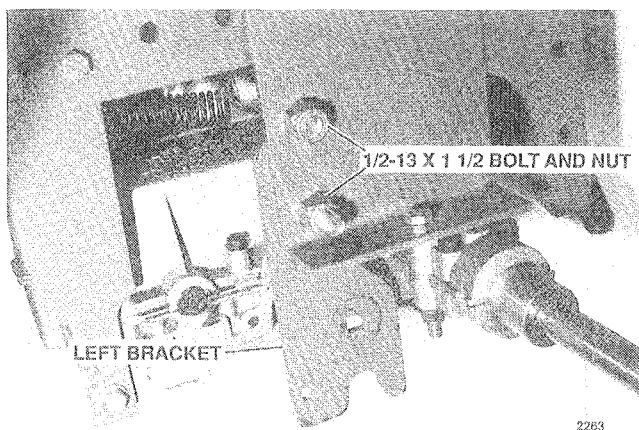


FIG. 10 Left Rear Hitch Plate - 5-Speed

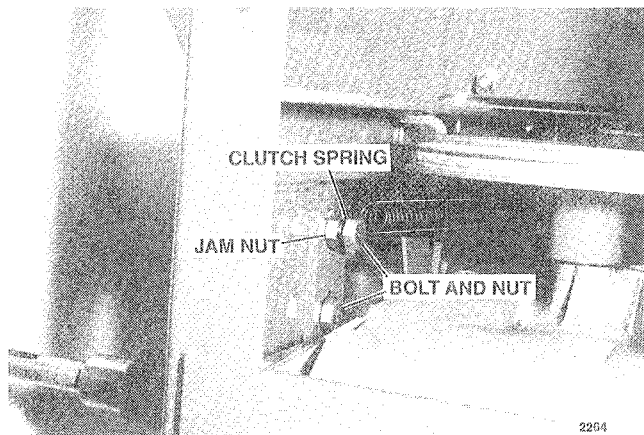


FIG. 11 Clutch Spring Installation 5-Speed

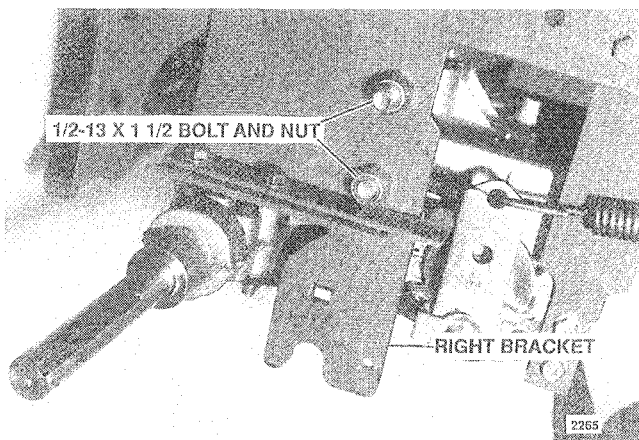


FIG. 12 Right Rear Hitch Plate - 5-Speed

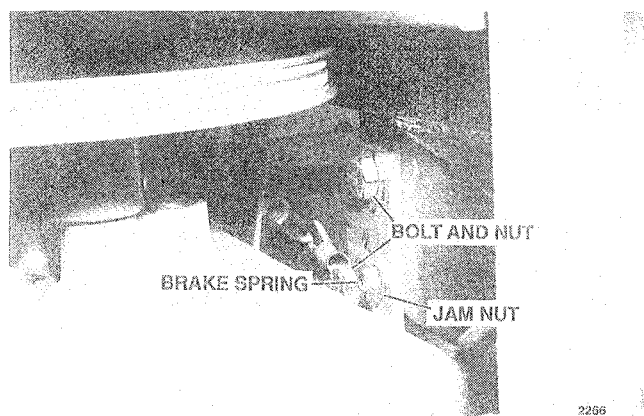


FIG. 13 Brake Spring Installation 5-Speed

## INSTALL BLADE

Locate lift arm plate, washer and large hairpin cotter (Fig. 14). Install plate on left hand attachment lift arm.

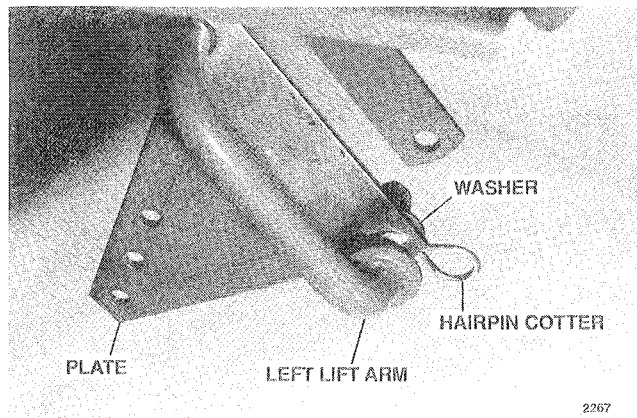


FIG. 14 Install Lift Plate

Install latching plates on hitch with 3/8-16 x 1 carriage bolts, washers and nuts (Fig. 15). Washer must be installed between latching plates and hitch. Tighten bolts so latching plates can move with a small amount of force.

Slide frame under tractor so that rear mounting shaft is directly under rear hitch assembly. Open both sides of hitch by lifting latching plates. Raise rear of frame so mounting shaft slips into hitch bracket. Close hitch by pushing down on both latching plates (Fig. 15). Install clevis pin into each latch and hitch plate and secure with hairpin cotters.

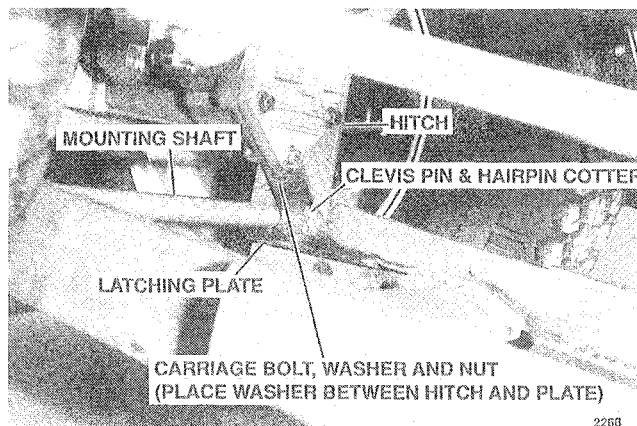


FIG. 15 Secure Rear Hitch

Open front Attach-A-Matic Hitch, insert blade front bellcrank into Attach-A-Matic hitch and close hitch (Fig. 16)

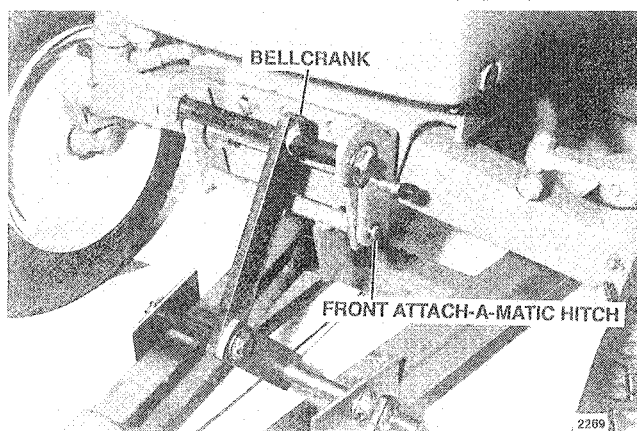
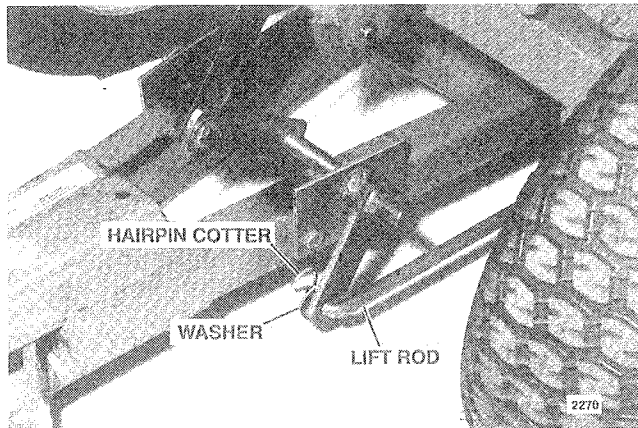


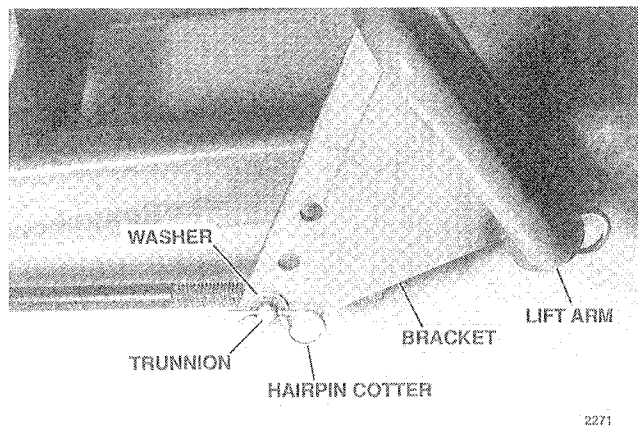
FIG. 16 Attach Front Mount



Locate lift rod, trunnion, 3/8 flat washer, 1/2 flat washer and two large hairpin cottes (Fig. 17). Install lift rod into front bellcrank with rod end pointed inside and secure with washer and hairpin cotter. Install trunnion on rear of rod approximately one inch. Install trunnion into lift hitch bracket and secure with washer and hairpin cotter (Fig. 18).



**FIG. 17 Lift Rod - Front**

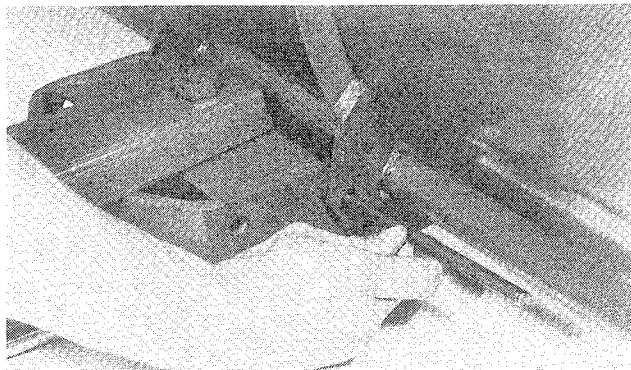


**FIG. 18 Lift Rod - Rear**

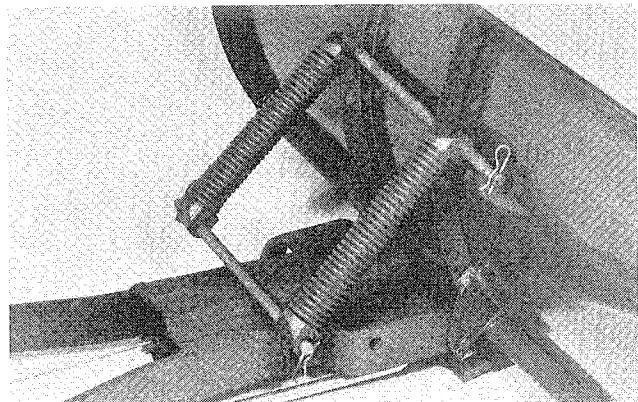
Raise blade frame with attachment lift.

Locate blade assembly, two trip spring assemblies, one short mounting rod, two long mounting rods, four large hairpin cottes, and two cotter pins. Align lower mounting holes of blade assembly with front holes of sector and channel assembly. Install short mounting rod and secure with two cotter pins (Fig. 19).

Mount trip spring assemblies by inserting mounting rod through second hole from top of blade. Secure with two hairpin cottes (Fig. 20).

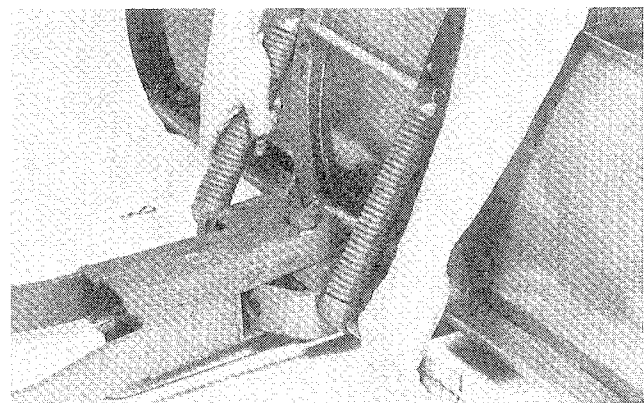


**FIG. 19 Install Lower Mounting Rod**



**FIG. 20 Attach Trip Springs To Blade**

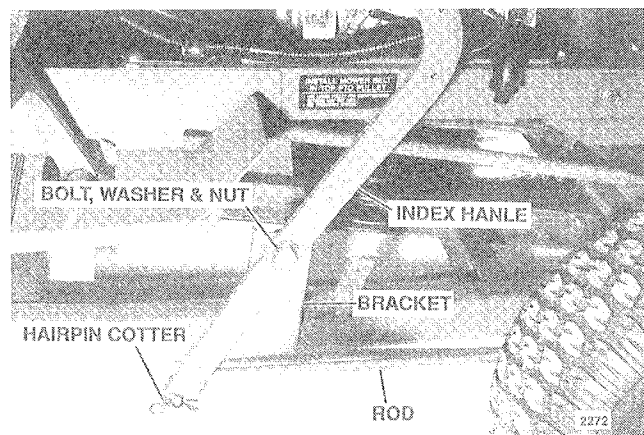
Mount bottom of springs to rear hole of sector and channel assembly (Fig. 21). Secure with two hairpin cottes.



**FIG. 21 Attach Trip Springs to Sector and Channel Assembly**

Install index handle to frame mounting bracket with handle rearward using 1/2-13 x 1 bolt, flat washer and nut (Fig. 22).

Thread bolt into mounting bracket so that index handle is still free to move and then install jam nut securely.

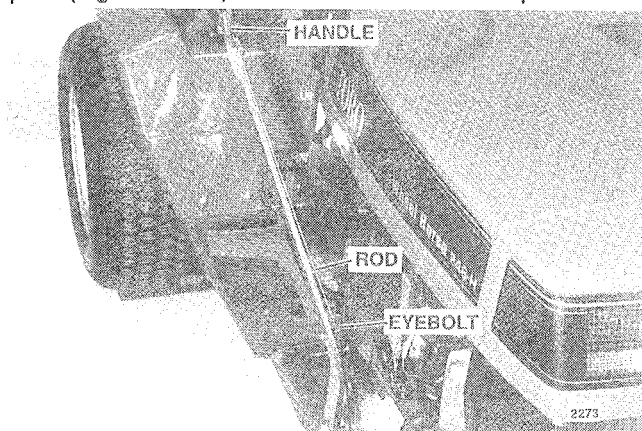


**FIG. 22 Mount Index Handle**

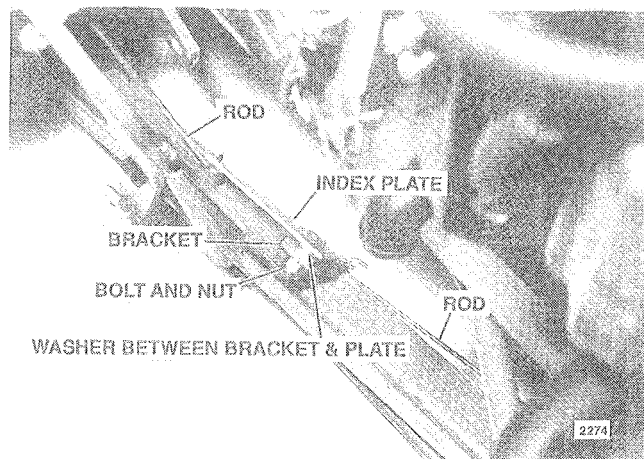
Insert blade control rod into hole at bottom of index handle. Secure with a large hairpin cotter.

Check that eyebolt on index handle is mounted with "eye" on inside of handle. Slide top index release rod through eye

bolt. Hook top of rod to release handle and lower end to index plate (Figs. 23 & 24). Install lower rod to index plate.



**FIG. 23 Attach Blade Control Rod To Index Handle**



**FIG. 24 Install Rods and Index Plate**

Attach index plate to mounting bracket on frame with a 3/8-16 x 1 bolt, 3/8 washer and 3/8-16 nut (Fig. 24). Washer should be placed between index plate and mounting bracket. Thread bolt into mounting bracket so that index plate is still free to move, then tighten the nut.

Test action of index mechanism by squeezing release lever and index handle together. Blade should move right and left as index handle is moved forward and backward. Tighten bolt and nut on release lever so that it is still free to move. Lubricate all moving parts of linkage with light machine oil.

## REMOVAL

Blade is easily removed from tractor by following steps.

1. Lower attachment lift and disconnect lift rod from tractor.
2. Open front Attach-A-Matic hitch and release blade from hitch.
3. Open rear hitch and release blade from hitch.
4. Either lift right front wheel of tractor with an overhead hoist so frame can be maneuvered from under tractor, or disassemble index handle so frame can be slid out from under tractor.

Rear hitch need not be removed from tractor.

## INSTALLATION

After initial assembly, blade can be installed quickly by following these simple steps:

1. Lift right front wheel of tractor with an overhead hoist so frame can be maneuvered under tractor, or disassemble index handle so frame can be slid under tractor.
2. Open rear hitch, insert blade rear mount into hitch and secure.
3. Open front Attach-A-Matic hitch, insert blade front mount into hitch and secure.
4. Connect blade lift rod to tractor attachment lift.



## OPERATION AND ADJUSTMENT

Although this blade is primarily designed for snow removal, it can also be used for pushing dirt, sand, gravel, or other loose substance. Tire chains and wheel weights are available from your dealer and will minimize tire slippage.

Clearing snow from a driveway is usually done by making first pass down center of drive, and pushing snow off to each side on following passes.

Blade can be indexed to 5 angled positions from driver's seat. This is done by squeezing release lever and either pushing or pulling handle to desired position. Releasing lever will lock blade in position. Blade can be lifted or lowered by using attachment lift. Lift rod can be placed in one of three holes on attachment lift for height adjustment and ease of lifting blade (Fig. 18).

Blade "Trip Springs" can be mounted in one of four positions on blade. Top position provides maximum scraping aggressiveness. Bottom hole provides minimum aggressiveness and is mostly used for leveling loose material. Second hole from top is generally recommended for snow removal (Fig. 20).

 <b>DANGER</b> 
<p>Hitting fixed objects may stop tractor abruptly and could cause injury and equipment damage. Always travel at a safe, slow speed.</p>

## MAINTENANCE AND STORAGE

Like all mechanical equipment, blade should be cleaned after each use. Wash blade using a garden hose. A mild automotive detergent may be used to remove stubborn dirt. During snow season, when washing is impractical, avoid areas exposed to road salt. Thoroughly clean blade at end of season.

Exposed bare metal surfaces should be coated with oil or grease to prevent rust until permanent repairs can be made.

Aerosol cans of "Toro Wheel Horse Red" touch up paint are available through your Authorized Toro Wheel Horse Dealer.

Before operation, make sure all bolts are tight and cotter pins are in place. Excessive play in pivot sector can be removed by tightening large pivot bolt.

A light grade of machine oil should be applied to all moving parts of linkage after every 10 hours of use. Lubricate channel and sector assembly with general purpose grease at same interval.

Blade edge is reversible and replaceable. When edge becomes worn, remove attaching bolts and turn blade edge plate over, providing a new cutting edge.

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











Consumer  
Products

# THE TORO TOTAL COVERAGE GUARANTEE

## A Full Two-Year Warranty (Limited Warranty for Commercial Use)

### What Is Covered By This Express Warranty?

The Toro Company promises to repair any TORO Product used for residential purposes if defective in materials or workmanship for a period of two years from the date of purchase. The cost of parts and labor are included, but the customer pays the transportation costs.

Transportation within a 15 mile radius of the servicing dealer is covered under this warranty for two-stage snowthrowers, walk behind debris equipment and all TORO Wheel Horse riding products. Walk power mowers, single stage snowthrowers, and other products not specifically covered, are excluded from the transportation coverage provided by this warranty.

### What Products Are Covered By This Warranty?

This warranty applies to all gasoline powered Consumer Products (including TORO Wheel Horse riding products). ProLine riding products, wide area walk behind mowers and 21" Commercial mowers without blade stop controls are covered by separate warranty statements.

### How About Commercial Use?

TORO Consumer Products used for commercial, institutional or rental use are covered by a limited warranty for the following time periods from the date of purchase:

Products	Warranty Period
• Garden Tractors	
Chassis . . . . .	1 year limited warranty
Engine . . . . .	2 year limited warranty
• 21" Commercial Duty Walk Mower with blade stop controls . . . . .	1 year limited warranty
• Lawn Tractors, Yard Tractors, Rear Engine Riders, 3.0 and 3.5 HP Edgers, Straight Shaft Trimmers, and Backpack Blowers . . . . .	90 day limited warranty
• All Others . . . . .	45 day limited warranty

### How Do You Get Warranty Service?

Should you feel your TORO product contains a defect in material or workmanship, contact the dealer who sold you the product or any Authorized TORO Service Dealer or TORO Master Service Dealer. The Yellow Pages of your telephone directory is a good reference source. The dealer will either arrange service at his/her dealership or recommend another Authorized Service Dealer who may be more convenient. You may need proof of purchase (copy of registration card, sales receipt, etc.) for warranty validation.

If for any reason you are dissatisfied with the Service Dealer's analysis of the defect in materials or workmanship or if you need a referral to a TORO Service Dealer, please feel free to contact us at the following address:

Toro Customer Service Department  
8111 Lyndale Avenue South  
Bloomington, MN 55420-1196  
612-888-8801

### What Must You Do To Keep The Warranty In Effect?

You must maintain your TORO Product by following the maintenance procedures described in the operator's manual. Such routine maintenance, whether performed by a dealer or by you, is at your expense.

### What Does This Warranty Not Cover? and

### How Does Your State Law Relate To This Warranty?

There is no other express warranty except the TORO Starting Guarantee on GTS Engines. This express warranty does not cover:

- Cost of regular maintenance service or parts, such as filters, fuel, lubricants, tune-up parts, blade sharpening, brake and clutch adjustments.
- Any product or part which has been altered or misused or required replacement or repair due to normal wear, accidents, or lack of proper maintenance.

- Repairs necessary due to improper fuel, contaminants in the fuel system, or failure to properly prepare the fuel system prior to any period of non-use over three months.

- Pickup and delivery charges for distances beyond a 15 mile radius from an Authorized TORO Service Dealer (covered products only).

All repairs covered by this warranty must be performed by an Authorized TORO Service Dealer using Toro approved replacement parts.

Repair by an Authorized TORO Service Dealer is your sole remedy under this warranty.

The Toro Company is not liable for indirect, incidental or consequential damages in connection with the use of the TORO Products covered by this warranty, including any cost or expense of providing substitute equipment or service during reasonable periods of malfunction or non-use pending completion of repairs under this warranty. Some states do not allow exclusions of incidental or consequential damages, so the above exclusion may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

### COUNTRIES OTHER THAN THE UNITED STATES OR CANADA

Customers who have purchased TORO products exported from the United States or Canada should contact their TORO Distributor (Dealer) to obtain guarantee policies for your country, province, or state. If for any reason you are dissatisfied with your Distributor's service or have difficulty obtaining guarantee information, contact the TORO importer. If all other remedies fail, you may contact us at The Toro Company.