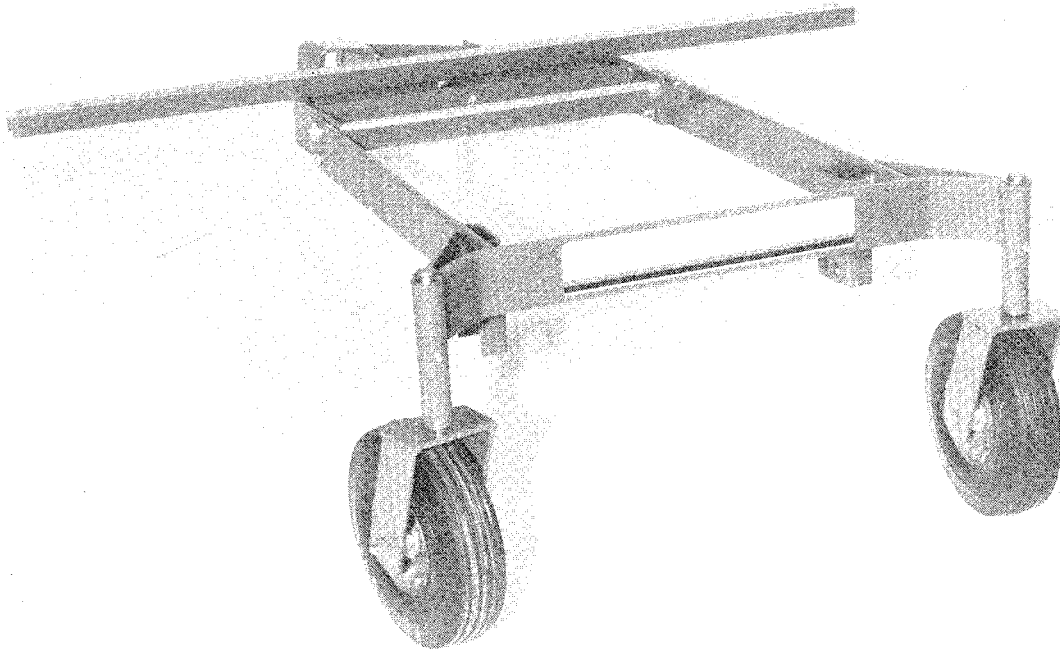




MODEL NO. 79380 - 4900001 & UP

INSTALLATION
INSTRUCTIONS

WHEEL HORSE®
42" & 48" Front Mount Mower Carrier - GT



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.

MODEL _____
SERIAL NO. _____

NOTE: The front mount carrier places a higher than normal load on the tractor's front wheels. Replacement of the front wheel bearings with current service parts is recommended on 1982 and prior C-Series and 1984 and prior GT-Series tractors.

PREPARE MOWER (Figs. 1-5)

NOTE: Mower changes apply to 1978 and later mowers. Earlier models may not work with the mower carrier.

48 in. SD Mower: Obtain the two special thin 3/8-16 lock nuts. Remove the two 3/8-16 E.S. nuts from the mower idler bar and discard. Saw off the edge of the plastic washer located under the lower nut, then assemble the parts as shown in Fig. 1. This change lowers the idler spring for belt clearance.

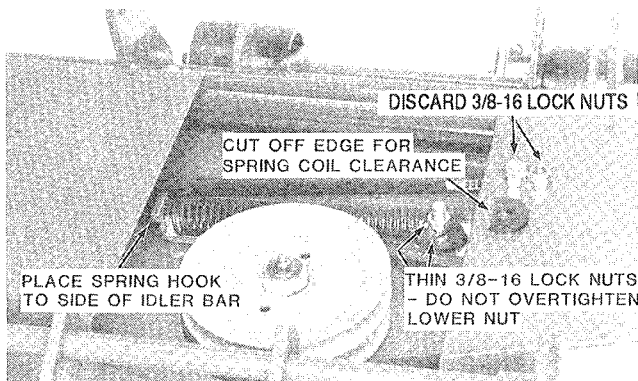


FIG. 1. Lower Idler Spring (48 in. Mower)

Make a number of saw cuts about half-way down the support plate at the rear of the mower (Fig. 2). Bend the "tabs" just formed back and down, which will provide belt clearance. This can be done by clamping a pair of locking pliers to the plate and progressively bending the metal. This area can also be removed by filing or grinding.

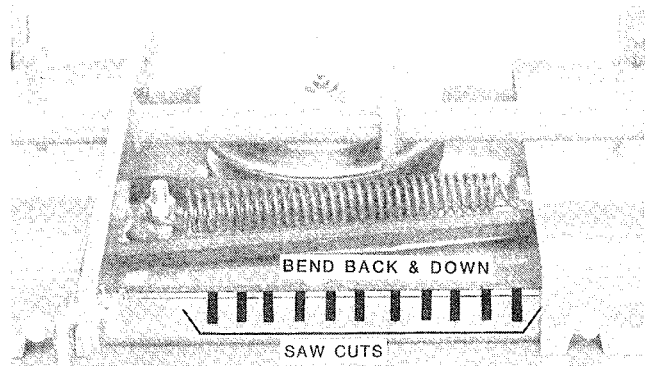


FIG. 2. Cut and Bend Support Plate (48 in. Mower)

42 in. SD Mower: Obtain the 3/8-16 x 1 1/4 bolt and the two special thin 3/8-16 lock nuts. Remove the 3/8-16 x 1 3/4 bolt and two 3/8-16 lock nuts from the mower idler bar and discard. Saw off the edge of the plastic washer located under the lower nut, then assemble the parts as shown in Fig. 3. This change lowers the idler spring for belt clearance.

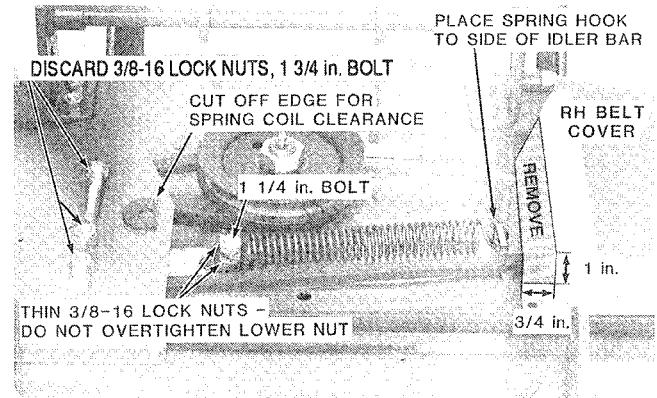


FIG. 3. Lower Idler Spring (42 in. Mower)

Remove the Right Hand belt cover. Measure off and remove the area shown in Fig. 3. with a hacksaw. This change is necessary for belt clearance.

Either Mower: Remove both rear gage wheels and the front hitch shaft (Fig. 4). The carriage bolts, nuts and spacers from the front hitch shaft will be used to secure the mower to the carrier frame. Save the gage wheels and attaching hardware, so the mower can still be set up for the mid-mount position.

Install the extension handle as shown in Fig. 5. It will be necessary to drill one 1/4 in. hole through the mower's height control handle.

CARRIER ASSEMBLY (Figs. 6-13)

Assemble both front wheels to the swivels as shown in Fig. 6.

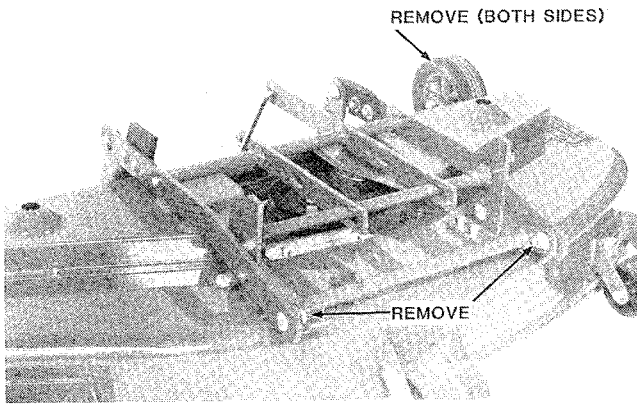


FIG. 4. Remove Gage Wheels & Hitch Shaft (Either Mower)

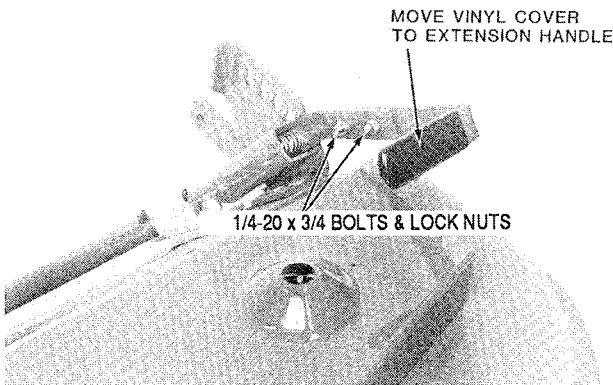


FIG. 5. Install Height Control Handle

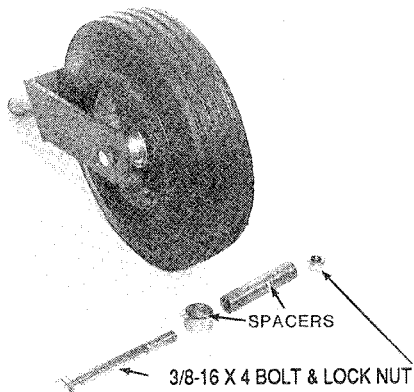


FIG. 6. Front Wheel/Swivel Assembly

Assemble the "V" idler and spring to the mid-mount idler shaft (Fig. 7).

Attach the flat idler to the hitch frame. Secure the idler at the end of the slot nearest the edge of the bracket (Fig. 8).

Secure the hitch frame to the pivot frame (Fig. 9).

Obtain the long pivot rod, two 1/8 x 1 cotter pins, four 1/2 SAE washers, two 1/2 x 1 1/4 clevis pins, and two

hairpin cotters. With the frames positioned as shown in Fig. 10, place the pivot rod in the upper holes and the clevis pins in the lower holes of the hanger and pivot frames.

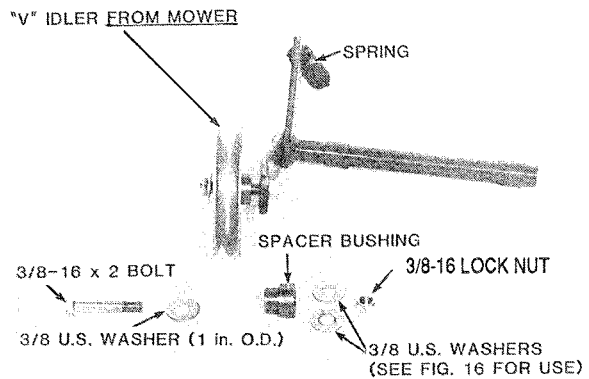


FIG. 7. Mid-Mount Idler Assembly

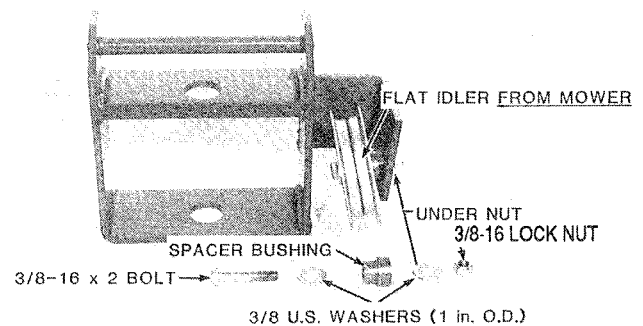


FIG. 8. Install Flat Idler

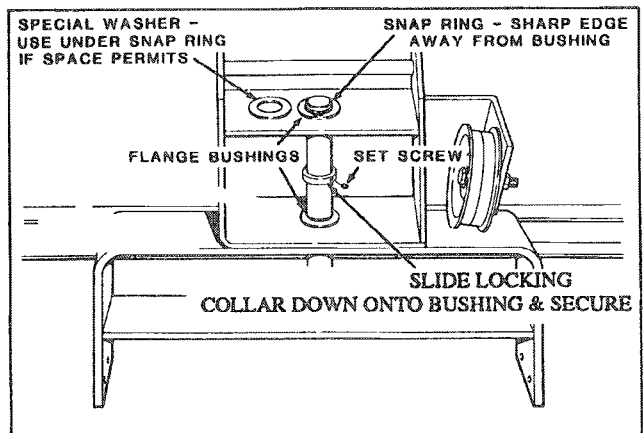


FIG. 9. Assemble Hitch & Pivot Frame

Insert a bushing in the top of each hangar frame swivel tube and slip another bushing on the shaft of each wheel swivel. Secure the wheel swivel to the hangar frame with a snap ring, sharp edge away from the bushing. Grease the wheels and swivel bushings with #2 multi-purpose lithium grease applied with a pressure grease gun.

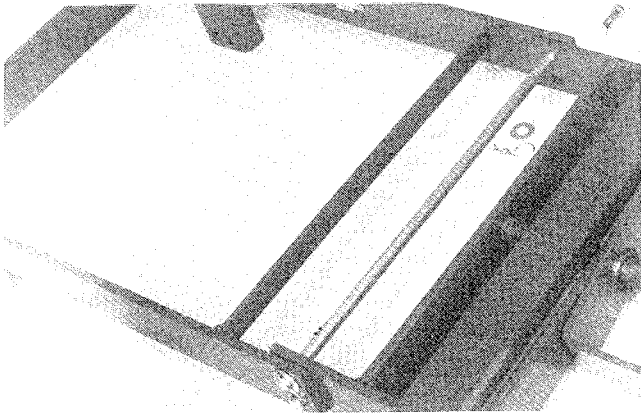


FIG. 10. Assemble Pivot and Hangar Frames

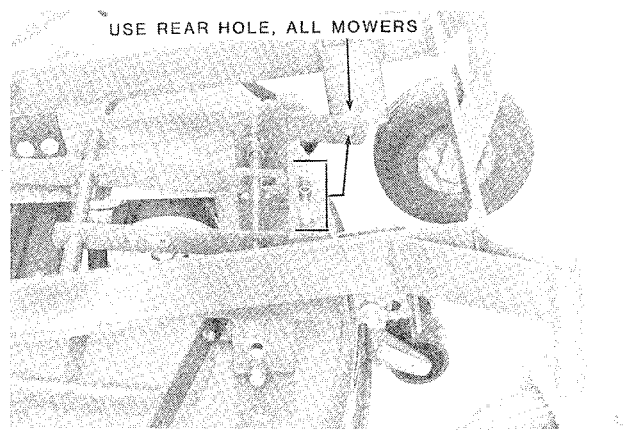


FIG. 13. Attach Front of Mower

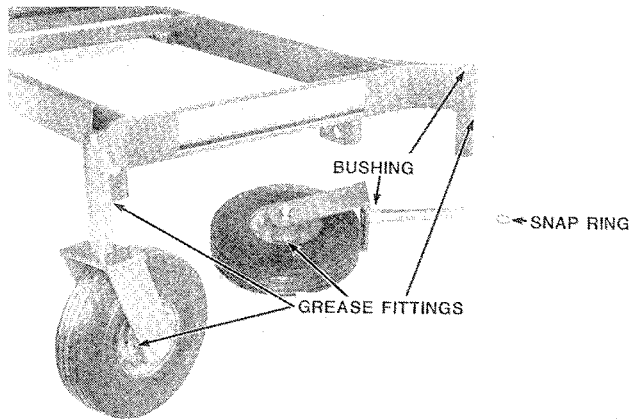


FIG. 11. Install Wheels

Center the mower carrier over the mower. Connect the gage wheel arms to the pivot frame as shown in Fig. 12.

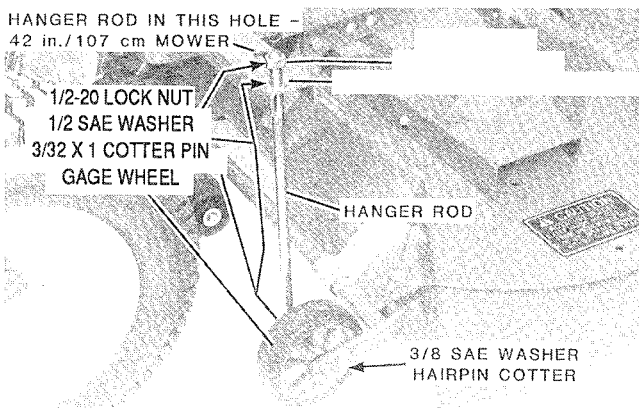


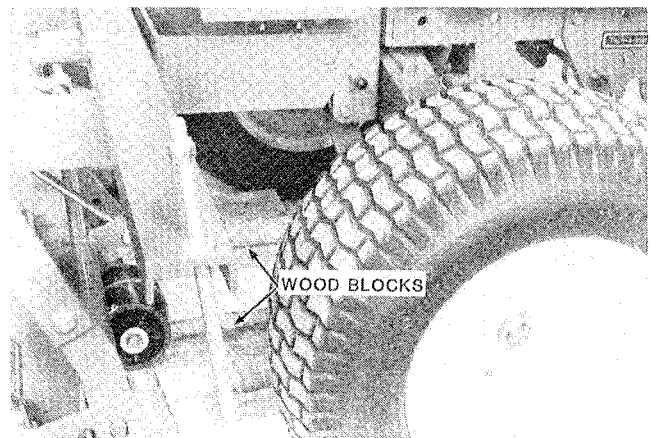
FIG. 12. Install Hangar Rods (48 in. Mower Shown)

Attach the front of the mower to the hangar frame, using the hardware that held the hitch shaft (Fig. 13).

INSTALLATION AND ADJUSTMENT

ATTACH CARRIER TO TRACTOR (Fig. 14)

Place the mower's rear anti-scalp rollers on 3-4 in. thick wood blocks, in front of the tractor. Open the front Attach-A-Matic hitch, roll the mower/carrier assembly back and lock the hitch frame into the front hitch.



INSTALL MID-MOUNT IDLER AND BELT (Fig. 15)

Install the mid-mount idler bracket in the mid Attach-A-Matic hitch. Secure the spring bracket to the frame with a 3/8-16 x 1 bolt and lock nut (Fig. 15). Tighten the bolt so the spring bracket is still free to move.

Install the drive belt as shown in Fig. 16. Note that one belt strand is outside the rod housing on the PTO, and that it runs below the front axle. Therefore, disassemble the PTO clutch to permit the belt to be inserted at the top. The right front wheel must also be rolled over one strand of the belt.

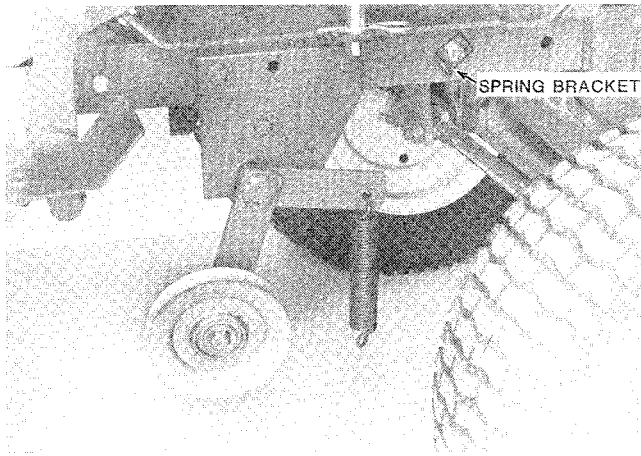


FIG. 15. Install Mid-Mount Idler Bracket

BELT SELECTION TABLE

Mower	Belt P/N
GT-Series w/48" SD	102742**
Single Cylinder GT-Series w/42" SD	109956*
Twin Cylinder GT-Series w/42" SD	102742**

*Supplied with this attachment

**Supplied with mower

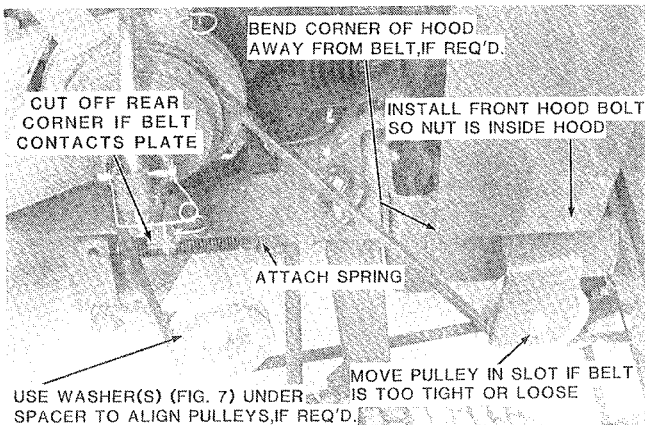


FIG. 16 Belt Installation

HEIGHT AND LEVEL ADJUSTMENT (Fig. 17)

Turn the nut at the top of each hangar rod until the 3 in. dimension shown is obtained. This adjustment places the mower at the same height it was when the gage wheels were installed, so that cutting heights will be correct.

Front-to-rear level adjustment should be made next, using the level adjustment nut (Fig. 17). Refer to the Operator's Manual supplied with the mower for the adjustment procedure.

REMOVAL

To remove the mower carrier:

1. Remove the drive belt (Fig. 16)

2. Remove the mid-mount idler bracket (Fig. 15)
3. Place the rear anti-scalp rollers on wood blocks, unlock the front hitch, and roll the carrier away from the tractor (Fig. 14).

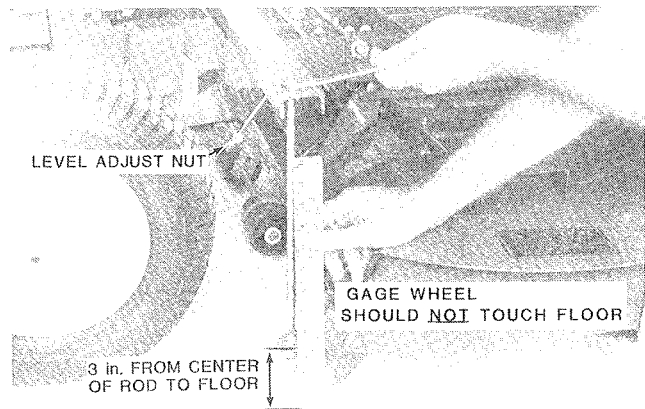


FIG. 17. Height Adjustment

OPERATION

⚠ DANGER ⚠

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

IMPORTANT: Each time the mower carrier is installed, check for proper operation of the PTO clutch and brake. The adjustment procedure is contained in the tractor Operator's Manual.

Operation of the mower with the mower carrier is similar to operation in the mid-mount location. Be sure to familiarize yourself with the information in the mower Operator's Manual before using it with the mower carrier.

The front mower location is ideal for getting under fences, bushes and trees with low-hanging branches, and other areas where an overhang would prevent use of the tractor with a mid-mounted mower. Also, because the tractor is behind the mower, the grass is not matted down by the front tires before passing under the mower. Caution should be used when mowing in unfamiliar areas. Be sure to check for hidden objects that could damage the mower before beginning work.

The mower may leave more uncut grass during turns, because it travels at greater speed and through a longer arc in the front mount location. Care should be exercised when turning, due to the increased length of the vehicle.

Use extra care when trimming. Travel at a slow speed so you can keep an eye on the area ahead and alongside the mower so it will not get caught on fixed objects. Also avoid deep dips in the terrain, as the mower can more easily become caught in the middle or on either side in the front location.

MAINTENANCE

Lubricate the swivel bushings and wheel bearings (Fig. 11) after every 50 operating hours. Use #2 multi-purpose lithium grease, applied with a pressure grease gun. Before each use, inspect that all parts are in place and in good condition.

The mower can be easily raised to permit underside cleaning. To do this, remove the drive belt from the mower pulley on 42 in. mowers. Next, remove the bottom end of the hangar rods from the gage wheel arms (Fig. 18) and the two clevis pins below the pivot rod (Fig. 10). Then, pick up the front of the mower and stand it up as shown in Fig. 18. Insert one of the clevis pins and secure with a washer and hairpin cotter to "lock" the mower in the cleaning position.

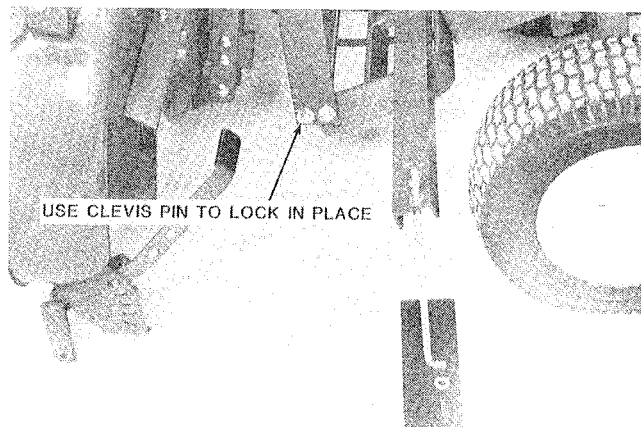


FIG. 18 Mower in Cleaning Position



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.