



Spring Tine Toolbar

Sand Pro® and Infield Pro® 3040 and 5040 Traction Units

Model No. 08733—Serial No. 260000001 and Up

Installation Instructions

Important: The traction unit must be equipped with the Mid-mount Toolbar System, Model 08731, before installing this attachment.

Safety

Safety and Instructional Decals



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.



1. Do not step here.

Installation

1

Mounting the Spring Tine Toolbar to the Mid-Mount Toolbar System

Parts needed for this procedure:

1	Spring tine toolbar assembly
2	Saddle bracket
2	Guard
4	Bolt
4	Nut
1	Extension spring
1	Pivot bracket (not loose on all assemblies)
1	Bolt (3/8 x 2-3/4 inches) (not loose on all assemblies)

Procedure

1. Loosen the nut securing the mid-mount pivot tube extension spring rod to the spring bracket (refer to the *Mid-mount Toolbar System Installation Instructions*) until the spring is not under tension. Do not remove the nut, just loosen.
2. Remove the 2 bolts and nuts securing a pivot tube bracket to the frame (Figure 1). Remove the pivot tube bracket from the pivot tube.

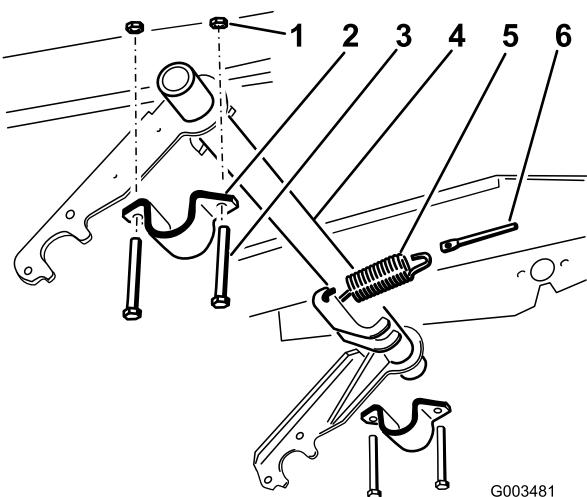


Figure 1

1. Locknut	4. Pivot tube
2. Pivot tube bracket	5. Extension spring
3. Bolt	6. Spring rod

3. Replace the pivot tube bracket with a saddle bracket and secure it to the frame with the bolts and nuts previously removed (Figure 2).
4. Repeat steps 2 through 3 for the other end of the pivot tube.
5. Mount a guard to the outside of each saddle bracket with 2 bolts and nuts (Figure 2). Position the guards so that the decals face up.
6. Hook the short end of the extension spring (included in kit) to the tab on the pivot tube (Figure 2).
7. If the pivot bracket and bolt (3/8 x 2-3/4 inches) are not installed, install them on the left side of the toolbar between the fourth and fifth set of tines (Figure 2).

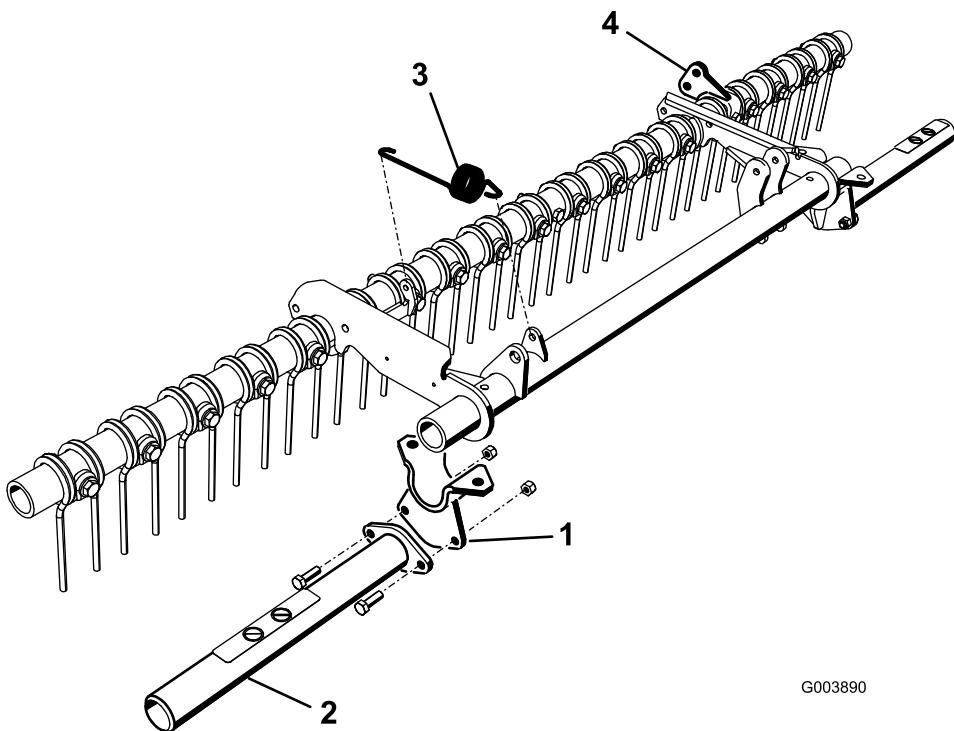


Figure 2

1. Saddle bracket 2. Guard 3. Extension spring 4. Pivot bracket

8. Install the toolbar into the mid-mount toolbar system saddles as described in step 6 in the *Mid-mount Toolbar System Installation Instructions*.
9. When finished, hook the long end of the extension spring to the tab on the tool bar spring bracket (Figure 2).
10. Connect the toolbar lift pedal and adjust the toolbar as described in step 7 in the *Mid-mount Toolbar System Installation Instructions*.

Note: If the toolbar is chattering during operation, rotate the tines 180 degrees as shown in Figure 3.

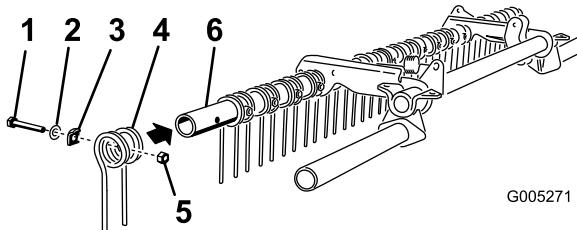


Figure 3

1. Bolt	4. Spring tine
2. Retainer clip	5. Nut
3. Washer	



Toro General Commercial Products Warranty

A Two-Year Limited Warranty

Conditions and Products Covered

The Toro Company and its affiliate, Toro Warranty Company, pursuant to an agreement between them, jointly warrant your Toro Commercial Product ("Product") to be free from defects in materials or workmanship for two years or 1500 operational hours*, whichever occurs first. This warranty is applicable to all products with the exception of Aerators (refer to separate warranty statements for these products). Where a warrantable condition exists, we will repair the Product at no cost to you including diagnosis, labor, parts, and transportation. This warranty begins on the date the Product is delivered to the original retail purchaser.

* Product equipped with hour meter

Instructions for Obtaining Warranty Service

You are responsible for notifying the Commercial Products Distributor or Authorized Commercial Products Dealer from whom you purchased the Product as soon as you believe a warrantable condition exists. If you need help locating a Commercial Products Distributor or Authorized Dealer, or if you have questions regarding your warranty rights or responsibilities, you may contact us at:

Toro Commercial Products Service Department
Toro Warranty Company
8111 Lyndale Avenue South
Bloomington, MN 55420-1196
952-888-8801
E-mail: commercial.warranty@toro.com

Owner Responsibilities

As the Product owner, you are responsible for required maintenance and adjustments stated in your *Operator's Manual*. Failure to perform required maintenance and adjustments can be grounds for disallowing a warranty claim.

Items and Conditions Not Covered

Not all product failures or malfunctions that occur during the warranty period are defects in materials or workmanship. This warranty does not cover the following:

- Product failures which result from the use of non-Toro replacement parts, or from installation and use of add-on, or modified non-Toro branded accessories and products. A separate warranty may be provided by the manufacturer of these items.
- Product failures which result from failure to perform recommended maintenance and/or adjustments. Failure to properly maintain your Toro product per the Recommended Maintenance listed in the *Operator's Manual* can result in claims for warranty being denied.
- Product failures which result from operating the Product in an abusive, negligent or reckless manner.
- Parts subject to consumption through use unless found to be defective. Examples of parts which are consumed, or used up, during normal Product operation include, but are not limited to, brakes pads and linings, clutch linings, blades, reels, bed knives, tines, spark plugs, castor wheels, tires, filters, belts, and certain sprayer components such as diaphragms, nozzles, and check valves, etc.
- Failures caused by outside influence. Items considered to be outside influence include, but are not limited to, weather, storage practices, contamination, use of unapproved coolants,

lubricants, additives, fertilizers, water, or chemicals, etc.

- Normal noise, vibration, wear and tear, and deterioration.
- Normal "wear and tear" includes, but is not limited to, damage to seats due to wear or abrasion, worn painted surfaces, scratched decals or windows, etc.

Parts

Parts scheduled for replacement as required maintenance are warranted for the period of time up to the scheduled replacement time for that part. Parts replaced under this warranty are covered for the duration of the original product warranty and become the property of Toro. Toro will make the final decision whether to repair any existing part or assembly or replace it. Toro may use remanufactured parts for warranty repairs.

Note Regarding Deep Cycle Battery Warranty:

Deep cycle batteries have a specified total number of kilowatt-hours they can deliver during their lifetime. Operating, recharging, and maintenance techniques can extend or reduce total battery life. As the batteries in this product are consumed, the amount of useful work between charging intervals will slowly decrease until the battery is completely worn out. Replacement of worn out batteries, due to normal consumption, is the responsibility of the product owner. Battery replacement may be required during the normal product warranty period at owner's expense.

Maintenance is at Owner's Expense

Engine tune-up, lubrication cleaning and polishing, replacement of filters, coolant, and completing Recommended Maintenance are some of the normal services Toro products require that are at the owner's expense.

General Conditions

Repair by an Authorized Toro Distributor or Dealer is your sole remedy under this warranty.

Neither The Toro Company nor Toro Warranty Company is 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. Except for the Emissions warranty referenced below, if applicable, there is no other express warranty. All implied warranties of merchantability and fitness for use are limited to the duration of this express warranty.

Some states do not allow exclusions of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above exclusions and limitations 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.

Note regarding engine warranty:

The Emissions Control System on your Product may be covered by a separate warranty meeting requirements established by the U.S. Environmental Protection Agency (EPA) and/or the California Air Resources Board (CARB). The hour limitations set forth above do not apply to the Emissions Control System Warranty. Refer to the Engine Emission Control Warranty Statement printed in your *Operator's Manual* or contained in the engine manufacturer's documentation for details.

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.