Form No. 3444-587 Rev A

Finish Grader

Sand Pro®/Infield Pro® 3040 and 5040 Traction Unit

Model No. 08754—Serial No. 400000000 and Up

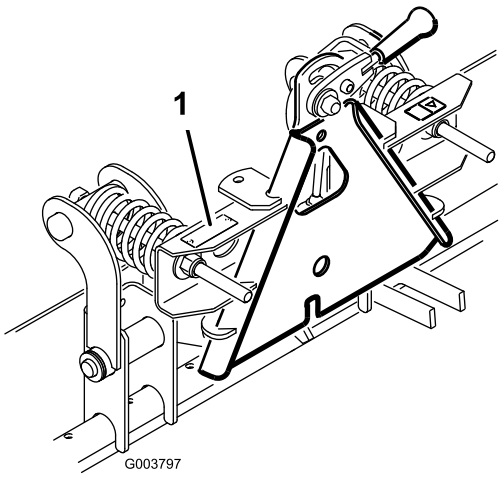
Operator's Manual

Introduction

Read this information carefully to learn how to operate and maintain your product properly and to avoid injury and product damage. You are responsible for operating the product properly and safely.

Visit www.Toro.com for more information, including safety tips, training materials, accessory information, help finding a dealer, or to register your product.

Whenever you need service, genuine Toro parts, or additional information, contact an Authorized Service Dealer or Toro Customer Service and have the model and serial numbers of your product ready. Figure 1 identifies the location of the model and serial numbers on the product. Write the numbers in the space provided.



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Figure 1

1. Model and serial number location

Model No. _____

Serial No. _____

This manual identifies potential hazards and has safety messages identified by the safety-alert symbol (Figure 2), which signals a hazard that may cause serious injury or death if you do not follow the recommended precautions.



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Figure 2

Safety-alert symbol

This manual uses 2 words to highlight information. **Important** calls attention to special mechanical information and **Note** emphasizes general information worthy of special attention.

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Register at www.Toro.com.

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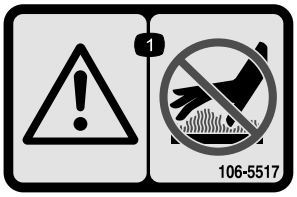
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Safety

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 missing.



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1. Warning—do not touch the hot surface.

Setup

Loose Parts

Use the chart below to verify that all parts have been shipped.

Description	Qty.	Use
Finish grader	1	Mount the finish grader.
No parts required	–	Adjust the link assembly.
No parts required	–	Finish the setup.

Mounting the Finish Grader

Note: Determine the left and right sides of the machine from the normal operating position.

1. Remove any attachment from the rear of the machine.
2. Back the traction unit into position in front of the attachment adapter. Lower the traction unit adapter.

   Note: Ensure that the locking lever is pivoted to the left (unlocked position) as viewed from the rear of the machine (Figure 3).

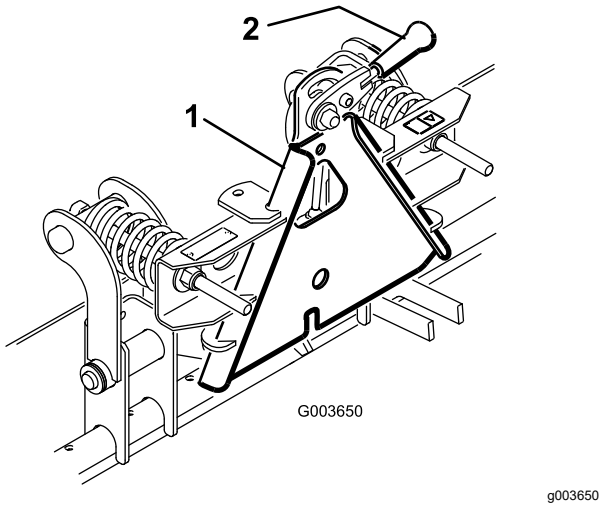


Figure 3

1. Locking lever (unlocked position)
2. Attachment adapter

3. Raise the traction unit adapter into the attachment adapter.
4. Pivot the locking lever to the right (locked position) as viewed from the rear of the machine so that it is standing straight up to lock the adapters together.

Adjusting the Link Assembly

1. With the attachment mounted and secured on the traction unit, raise the attachment.
2. Measure the gap between the top washer and the spacer in the link assembly on the attachment adapter as shown in Figure 4.

   Important: **The gap between the washer and the shoulder should be 0.060 to 0.080 inch (1.5 to 2.0 mm).**

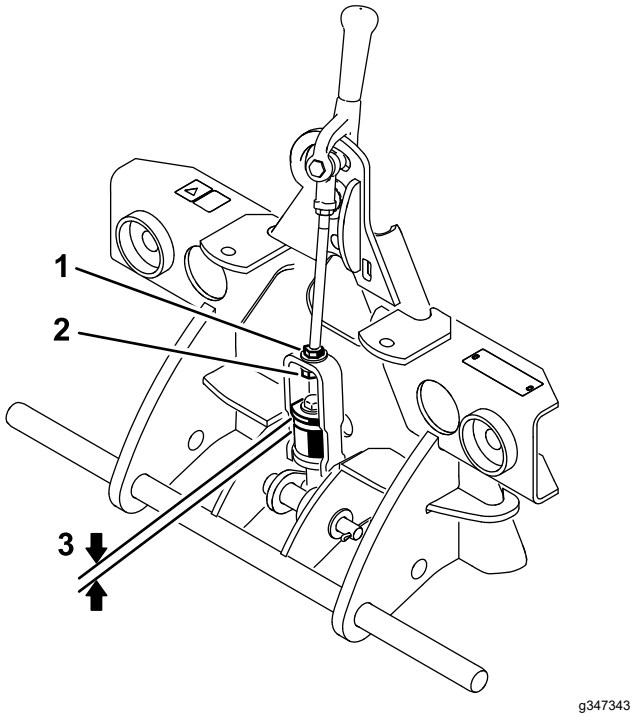


Figure 4

1. Adjustment nut
2. Jam nut
3. 0.060 to 0.080 inch (1.5 to 2.0 mm) clearance

Finishing the Setup

Before operating the finish grader, review the following materials and save them in an appropriate place:

- *Parts Catalog*
- *Installation Instructions*

Operation

Operating the Finish Grader

- Raise or lower the finish grader to control the grading or scarifying depth.
- When grading, rotate the scarifier to the upper position and secure each end with a clevis pin and hairpin (Figure 5).

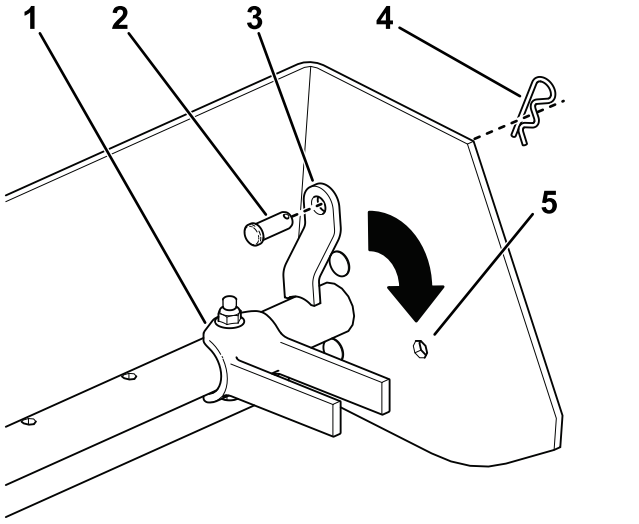


Figure 5

1. Scarifier
2. Clevis pin
3. Grading position (upper)
4. Hairpin
5. Scarifying position (lower)

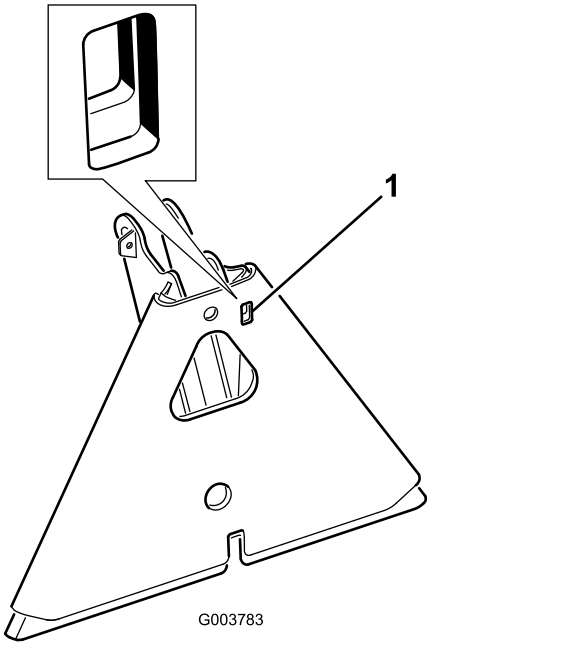
- When scarifying, rotate the scarifier to the lower position and secure each end with a clevis pin and hairpin (Figure 5).
- The scarifier aggressiveness can be changed by adjusted the length of the springs (Figure 8). Lengthening the springs will make the scarifier less aggressive. Shortening the springs will make the scarifier more aggressive
- For final grading/leveling, an Adjustable Orifice Kit (Part No. 112-1433) can be obtained to regulate the raise/lower speeds.

Inspecting and Cleaning the Finish Grader

When the grading operation is completed, clean the machine thoroughly. Since this machine is used primarily in extremely abrasive conditions, the material should be flushed off after each use. If the machine is cleaned frequently, it can be cleaned with a stream of water from a hose with the nozzle removed.

Important: **Do not use pressurized water to clean the machine; a high pressure stream could drive sand or other material into wear areas where it could act as a grinding compound.**

Note: If the attachment adapter becomes stuck to the traction unit adapter, insert a prybar/screwdriver into the pry slot to disengage the parts.



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Figure 6

1. Pry slot

Maintenance

Greasing the Attachment Adapter

If the locking lever on the attachment adapter does not pivot freely and easily, apply a light coat of grease to the area shown in Figure 7.

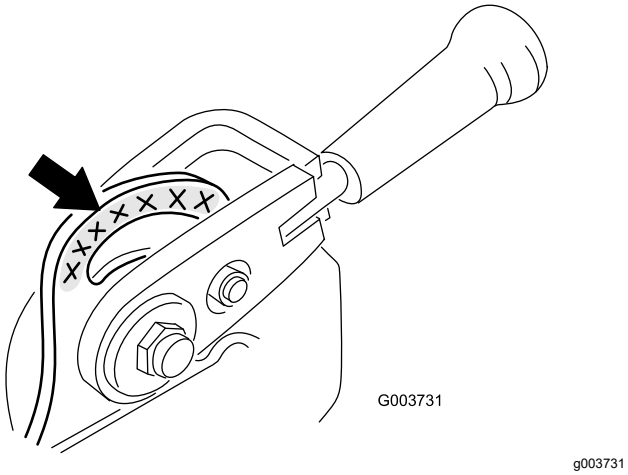


Figure 7

Adjusting the Actuating Rod Springs

The springs and actuating rods are adjusted at the factory. However, if new parts are installed or the springs are removed for any reason, the spring length should be adjusted to 5.24 inches (133 mm) as shown in Figure 8.

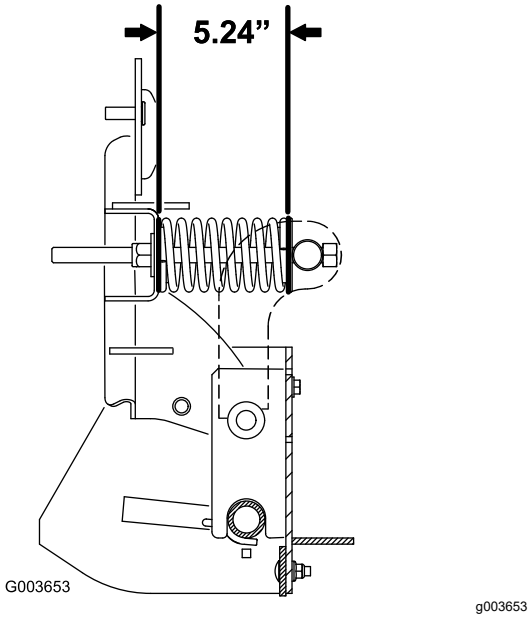


Figure 8

Leveling the Finish Grader Blade

To level the blade in relation to the traction unit, place the unit on a level surface (such as a concrete driveway), and slightly vary the rear tire pressure as required.

Reversing the Scraper Blade

The scraper blade (Figure 9) can be reversed for a second wear surface after the original edge has worn beyond the lower edge of the finish grader box that it is attached to.

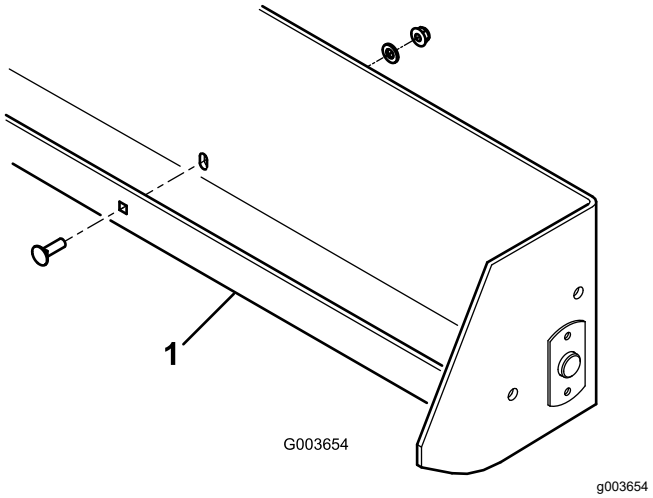


Figure 9

Optional Equipment

Drag kit	Part No. 140-0274
Weight Kit (Required when using 140-0274)	Part No. 100-6442
Carbide Tine Pack (15 tines included)	Part No. 119-2152
Weeder Tine (15 tines required per machine)	Part No. 110-0260-0P
Weeder Blade (5 blades required per machine)	Part No. 132-4427-0P

The Toro Warranty

Two-Year or 1,500 Hours Limited Warranty

Conditions and Products Covered

The Toro Company warrants your Toro Commercial product (“Product”) to be free from defects in materials or workmanship for 2 years or 1,500 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 diagnostics, labor, parts, and transportation. This warranty begins on the date the Product is delivered to the original retail purchaser.
* Product equipped with an 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
8111 Lyndale Avenue South
Bloomington, MN 55420-1196

952–888–8801 or 800–952–2740
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*. Repairs for product issues caused by failure to perform required maintenance and adjustments are not covered under this warranty.

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.
- Product failures which result from failure to perform recommended maintenance and/or adjustments.
- Product failures which result from operating the Product in an abusive, negligent, or reckless manner.
- Parts consumed through use that are not defective. Examples of parts which are consumed, or used up, during normal Product operation include, but are not limited to, brake pads and linings, clutch linings, blades, reels, rollers and bearings (sealed or greasable), bed knives, spark plugs, castor wheels and bearings, tires, filters, belts, and certain sprayer components such as diaphragms, nozzles, flow meters, and check valves.
- Failures caused by outside influence, including, but not limited to, weather, storage practices, contamination, use of unapproved fuels, coolants, lubricants, additives, fertilizers, water, or chemicals.
- Failure or performance issues due to the use of fuels (e.g. gasoline, diesel, or biodiesel) that do not conform to their respective industry standards.
- 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.

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.

Deep Cycle and Lithium-Ion Battery Warranty

Deep cycle and Lithium-Ion 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. Note: (Lithium-Ion battery only): Refer to the battery warranty for additional information.

Lifetime Crankshaft Warranty (ProStripe 02657 Model Only)

The Prostripe which is fitted with a genuine Toro Friction Disc and Crank-Safe Blade Brake Clutch (integrated Blade Brake Clutch (BBC) + Friction Disc assembly) as original equipment and used by the original purchaser in accordance with recommended operating and maintenance procedures, are covered by a Lifetime Warranty against engine crankshaft bending. Machines fitted with friction washers, Blade Brake Clutch (BBC) units and other such devices are not covered by the Lifetime Crankshaft Warranty.

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.

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. 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 Emissions 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 supplied with your product or contained in the engine manufacturer’s documentation.

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 your Authorized Toro Service Center.