



Front Hydraulic Blade

Sand Pro®/Infield Pro® 5040 Traction Unit

Model No. 08713—Serial No. 260000001 and Up

Form No. 3432-337 Rev A

Operator's Manual

Setup

1

Mounting the Hydraulic Blade to the Frame Lift Kit

Parts needed for this procedure:

1	Front hydraulic blade assembly
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Procedure

Note: The traction unit must be equipped with the Front Lift Frame Kit.

1. Position the machine and the attachment on a level surface.
2. Remove any existing attachment from the front of the machine.
3. Start the engine and drive the traction unit into position behind the attachment adapter. Lower the traction unit adapter.

Note: Ensure that the locking lever (Figure 1) is pivoted to the left (unlocked position) as viewed from the front of the machine.

4. Lift the attachment adapter onto the traction unit adapter.

Note: Be careful not to pinch yourself between adapters.

5. Pivot the locking lever to the right to lock the adapters together (Figure 1).

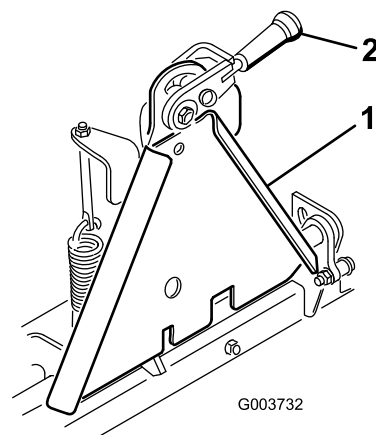


Figure 1

1. Attachment adapter 2. Locking lever

2

Adjusting the Link Assembly

No Parts Required

Procedure

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 2.

The gap between the washer and the shoulder should be 1.5 to 2 mm (0.060 to 0.080 inch).



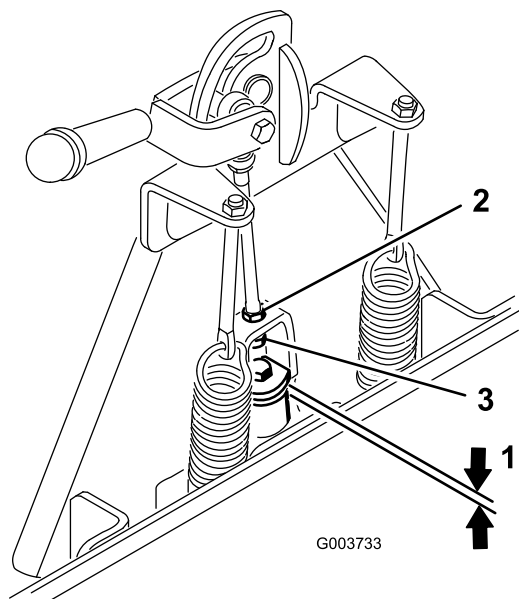


Figure 2

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

Operation

Adjusting the Wear Plate

- **For a more-aggressive conditioning:** Position the wear plate (Figure 3) with the teeth facing forward.
- **For a less-aggressive conditioning:** Position the wear plate with the teeth facing backward.
- **For a finish grading:** Install the blade with the flat edge down.

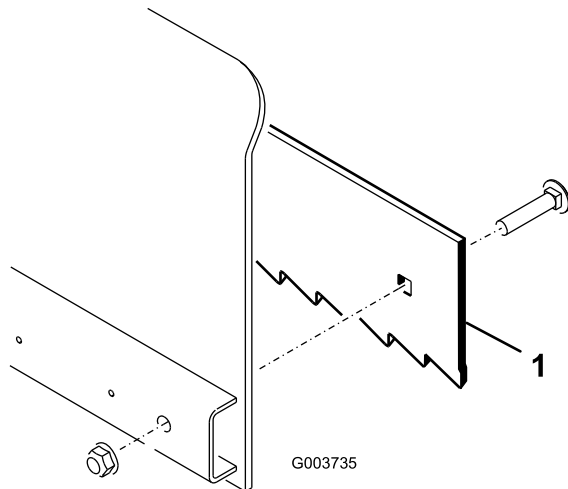


Figure 3

1. Blade wear plate

Adjusting the Blade Angle

The blade is shipped from the factory set at a 30° angle, but it may be increased to 45°.

1. Start the engine and raise the blade slightly off the ground. Shut off the engine and remove the key.
2. Remove the rear stop bolt, washer, and spacer on each side of the blade (Figure 4). Retain the components for installation at a later time.

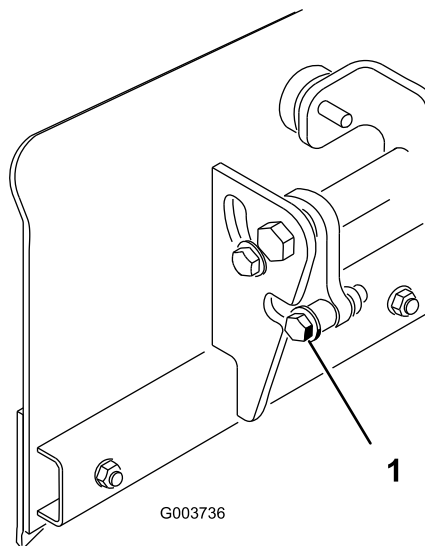


Figure 4

1. Rear stop bolt

Note: If the attachment adapter becomes stuck to the traction unit adapter, insert a prybar or screwdriver into the pry slot to disengage the parts (Figure 5).

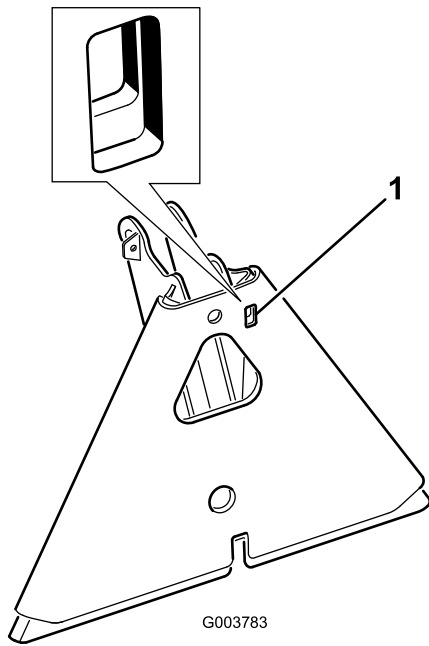


Figure 5

1. Pry slot

Inspection and Clean-up

When the grading operation is completed, clean the machine thoroughly. Flush off the sand after each use as sand is extremely abrasive.

If the machine is cleaned frequently (before the sand has a chance to "cake"), it can be cleaned with a stream of water from a hose without a spray nozzle. A high pressure stream could drive the sand into wear areas where it could act as a grinding compound.

Maintenance

Greasing the Attachment

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 6](#).

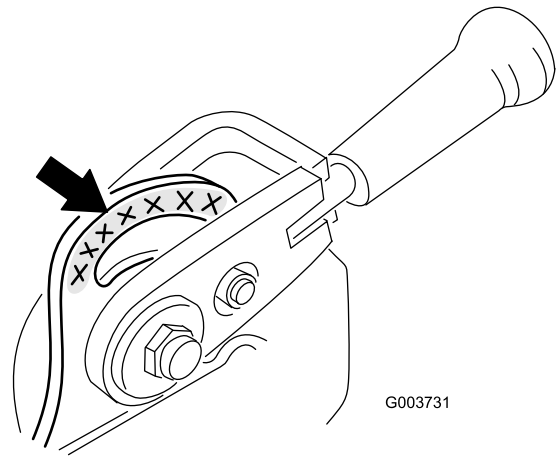


Figure 6

Adjusting the Actuating Rod Springs

The extension spring length is adjusted at the factory to 5 cm (2 inches) as shown in [Figure 7](#). To increase the aggressiveness of the blade, tighten the springs. Loosen the springs to decrease the aggressiveness of the blade.

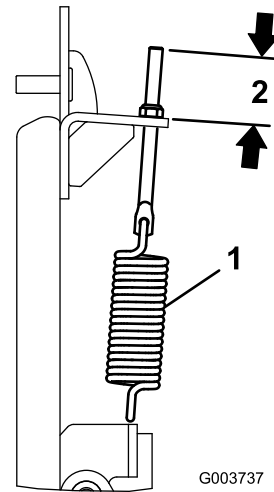


Figure 7

1. Extension spring
2. 5 cm (2 inches)



The Toro Warranty

Two-Year or 1,500 Hours 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 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
Toro Warranty Company
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, 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.

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.

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): Pro-rated after 2 years. 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.

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 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.