



Count on it.

Form No. 3362-479 Rev C

Operator's Manual

Synthetic Turf Conditioner

Sand Pro®/Infield Pro® with QAS

Model No. 08790—Serial No. 290000001 and Up



This product complies with all relevant European directives, for details please see the separate product specific Declaration of Conformity (DOC) sheet.

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.

You may contact Toro directly at www.Toro.com for product and 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. The model and serial numbers are on the product. Write the numbers in the space provided.

Model No. _____

Serial No. _____

This manual identifies potential hazards and has safety messages identified by the safety alert symbol (Figure 1), which signals a hazard that may cause serious injury or death if you do not follow the recommended precautions.



Figure 1

- 1. Safety alert symbol

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

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Setup

Loose Parts

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

Procedure	Description	Qty.	Use
1	Frame assembly	1	Mount the conditioning brushes to the traction unit.
	Flange head screw, 1/2 x 2 inch	4	
	Lock nut, 1/2 inch	4	
	Brush	4	
	Plastic spacer	4	
	Bolt, 5/8 x 3–1/2 inch	8	
	Washer	8	
2	No parts required	–	Adjust the link assembly.

Media and Additional Parts

Description	Qty.	Use
Operator's Manual	1	Read carefully before installation and operation
Parts Catalog	1	Use to reference part numbers
Declaration of conformity	1	

1

Mounting the Conditioning Brushes to the Traction Unit

Parts needed for this procedure:

1	Frame assembly
4	Flange head screw, 1/2 x 2 inch
4	Lock nut, 1/2 inch
4	Brush
4	Plastic spacer
8	Bolt, 5/8 x 3–1/2 inch
8	Washer

Procedure

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

Note: Make sure the locking lever is pivoted to the left (unlocked position) as viewed from the rear of the machine.

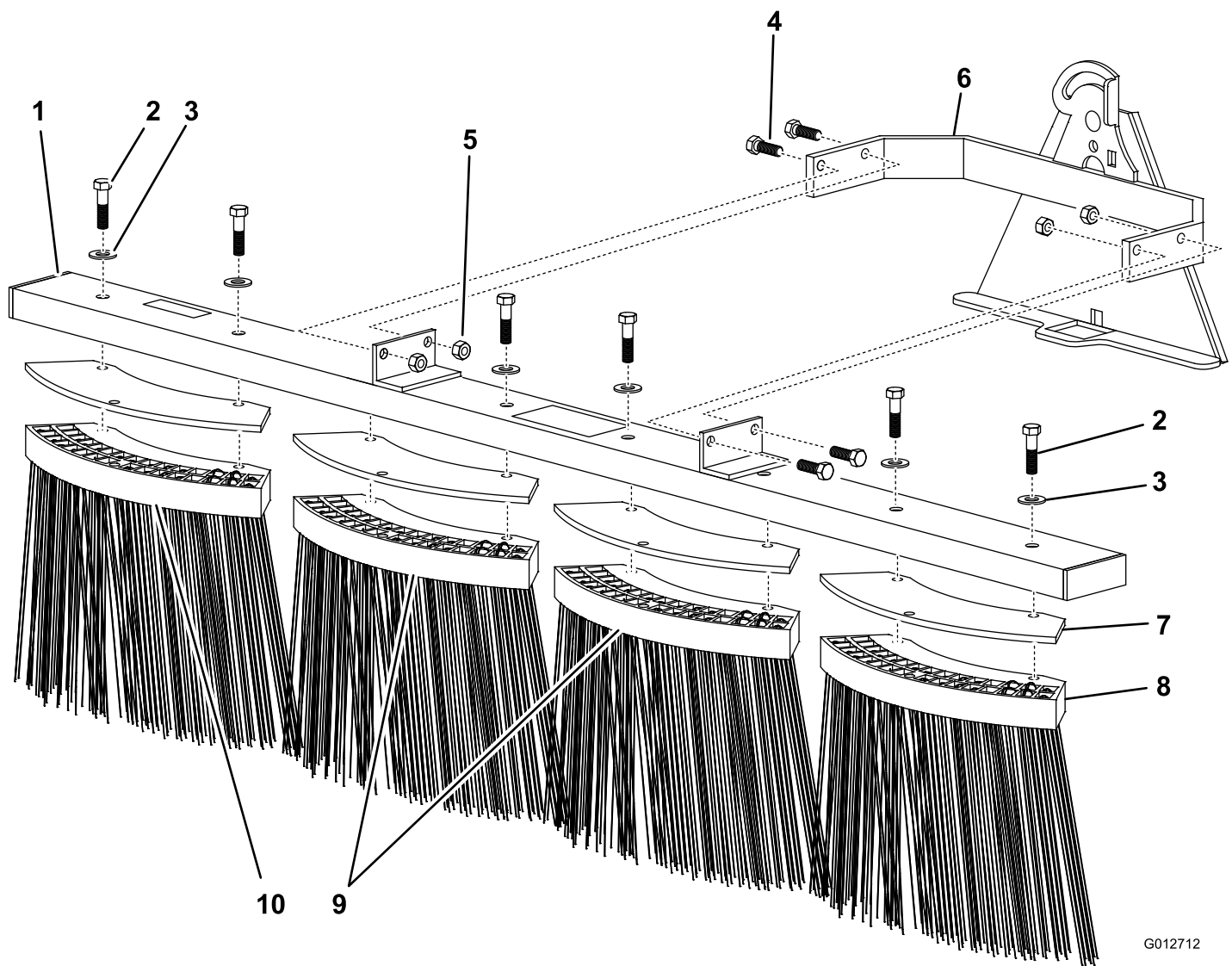
3. Slide the attachment adapter onto the traction adapter.



If you are not careful, you could pinch your fingers between the attachment and traction unit adapters.

Always lift and move the attachment using the handle on the back of the attachment adapter.

4. Pivot the locking lever to the right to lock the adapters together.
5. Raise the adapters.
6. Align the frame assembly mounting bracket holes with the attachment adapter mounting holes. Make sure the brushes are positioned as shown in Figure 2.



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Figure 2

- | | | | |
|-------------------------------|-----------------------------------|-------------------|----------------|
| 1. Frame channel | 4. Flange head bolt, 1/2 x 2 inch | 7. Plastic spacer | 10. Left brush |
| 2. Capscrew, 5/8 x 3-1/2 inch | 5. Lock nut, 1/2 inch | 8. Right brush | |
| 3. Washer | 6. Attachment adapter | 9. Center brush | |

7. Mount the frame assembly to the attachment adapter with (4) 1/2 x 2 inch flange head bolts and lock nuts (Figure 2).
8. Place the brushes and the plastic spacers (one each) under the frame channel mounting holes. Use the two brushes marked center in the middle and the left and right brushes on the right and left ends of the frame channel, as viewed from the operators position (Figure 2).
9. Secure each brush to the frame channel with (2) 5/8 x 3-1/2 inch bolts and washers (Figure 2).
10. Tighten all the bolts firmly. Check tightness of all hardware after first use, and check periodically thereafter.

2

Adjusting the Link Assembly

No Parts Required

Procedure

1. With the rake 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 3.

Note: The gap between the washer and the shoulder should be 0.060 to 0.080 inch (Figure 3).

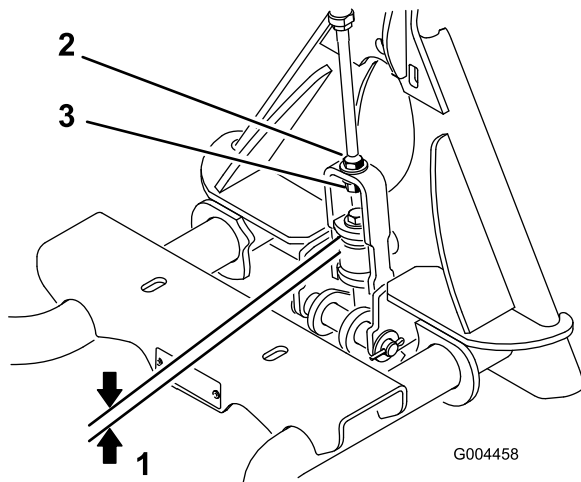


Figure 3

- | | |
|------------------------|-------------------|
| 1. 0.060 to 0.080 inch | 3. Adjustment nut |
| 2. Jam nut | |

-
3. If the gap is not correct, loosen the jam nut and tighten or loosen the adjustment nut on the link assembly as needed to change the gap (Figure 3).

Operation

Read this **entire section on conditioning** before actually working on turf. There are many conditions that will determine the adjustments necessary. Make the adjustments on the rake for optimum results in your particular area.

Training Period

Practice conditioning before moving onto the turf. Practice starting and stopping, turning, raising and lowering the conditioner. Practice at a slow ground speed. This training period will be beneficial to the operator in gaining confidence in the performance of the machine.

Note: Do not back up the traction unit with the attachment lowered. Damage to the attachment and turf will occur.

General Conditioning Information

The Turf Conditioner is designed to loosen compacted areas of the infield and redistribute the infill mixture to keep the playing surface level and consistent to maintain predictable performance. Also, the Turf Conditioner will “Stand Up” the turf.

- Remove large debris from field prior to conditioning. Failing to remove debris prior to conditioning will result in the debris being worked into the turf and ultimately result in lack of permeability of turf.

Note: If using a blower to remove debris, use caution not to point the nozzle too deep.

- Operate the Sand Pro/Infield Pro in the Float position when using the Turf Conditioner. This keeps the weight consistent on the conditioner.
- When transporting the Turf Conditioner, it must be in the fully raised position.
- Groom every 8-12 weeks depending on condition of field. Frequency of grooming will depend on many factors including type of field and field usage. Document grooming practices in field maintenance log.

Conditioning Pattern

- Never groom perpendicular to the seams.
- Lower the conditioner and travel in straight lines.
- Always raise the conditioner when turning.
- Drag the conditioner in alternating directions keeping in mind the direction of seams.
- Change the dragging pattern occasionally to prevent grain in the turf.
- The recommended pattern for conditioning sports field is shown in Figure 4.

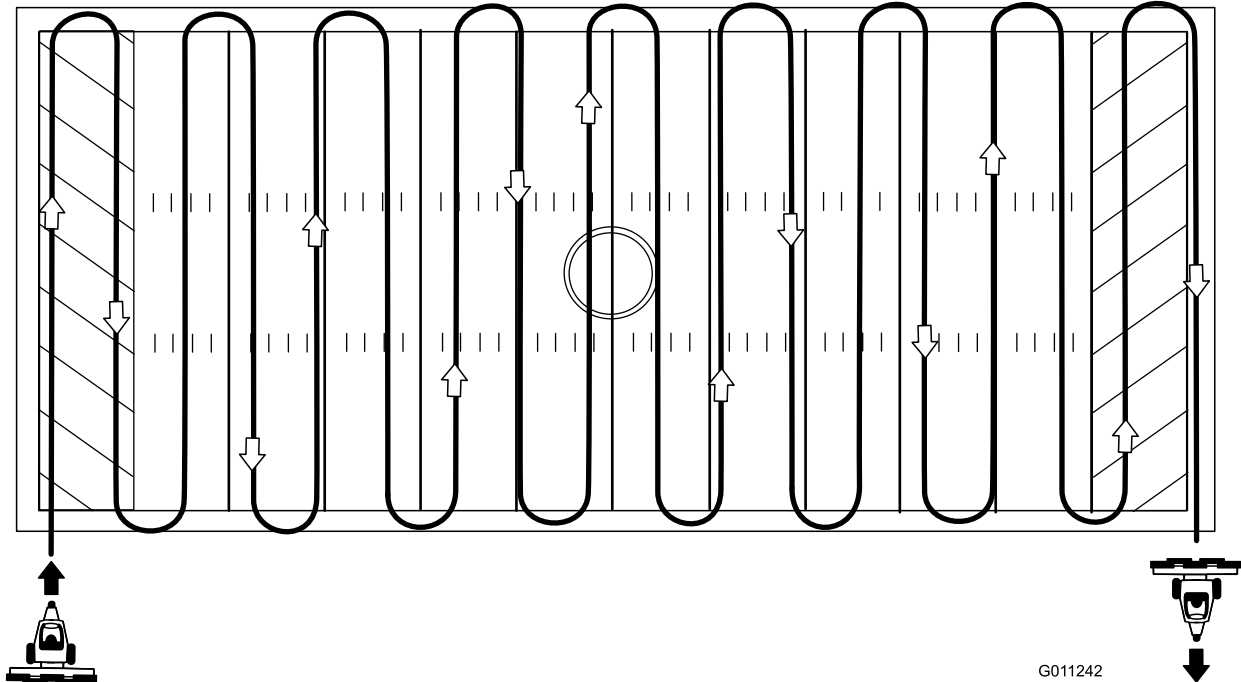


Figure 4

Inspecting and Cleaning the Conditioner and Traction Unit

When the conditioning operation is completed, clean the machine thoroughly with water to remove debris from the brushes.

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 5.

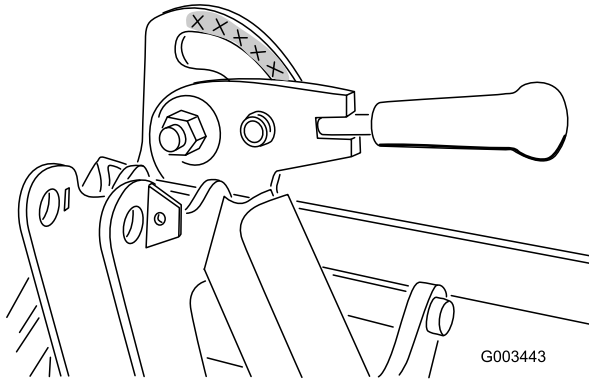


Figure 5



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 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*. 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, brake pads and linings, clutch linings, blades, reels, rollers and bearings (sealed or greasable), bed knives, aerator crankshaft and stomper arm bearings, tines, spark plugs, castor wheels and bearings, tires, filters, belts, and certain sprayer components such as diaphragms, nozzles, and check valves, etc.

- Failures caused by outside influence. Conditions 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 supplied with your product 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.