Yard Tuff ACR-480JR

Yard Tuff 48-Inch Acreage Rake / Dethatcher Instruction Manual

Model: ACR-480JR

1. Introduction

This manual provides essential information for the safe assembly, operation, and maintenance of your Yard Tuff 48-Inch Acreage Rake / Dethatcher. Please read and understand all instructions before using the product. Keep this manual for future reference.

2. Safety Information

WARNING: Failure to follow these safety instructions could result in serious injury or death.

- Always wear appropriate personal protective equipment (PPE) including safety glasses, gloves, and sturdy footwear.
- Ensure all fasteners are securely tightened before operation.
- Keep children and pets away from the operating area.
- Do not operate the rake on excessively steep slopes.
- Always attach the rake securely to the towing vehicle using the provided hitch pin.
- Inspect the unit for damaged or loose parts before each use.
- Do not exceed the recommended towing speed.
- Be aware of your surroundings and potential hazards.

3. Package Contents

Verify that all parts are present before beginning assembly. If any parts are missing or damaged, contact customer support.

- Main Frame Assembly
- Wheel Assemblies (2)
- Tine Reel Assemblies (4)

- Hitch Arm
- Hardware Pack (bolts, nuts, washers, hitch pin, cotter pin)
- Instruction Manual

4. Setup and Assembly

Follow these steps to assemble your Yard Tuff Acreage Rake.

4.1 Unpacking and Part Identification

Carefully remove all components from the packaging. Lay out all parts and compare them against the package contents list to ensure everything is accounted for.

4.2 Attaching Wheel Assemblies

Attach the wheel assemblies to the main frame using the provided bolts and nuts. Ensure wheels are securely fastened and can rotate freely.

4.3 Installing Tine Reel Assemblies

Mount the four tine reel assemblies onto the support arms. The orientation of the tines determines whether the unit functions primarily as a rake or a dethatcher. For raking, the tine tips should point towards the center. For dethatching, the tine tips should point outwards. Secure with appropriate hardware.



Figure 1: Tine Reel Assembly. Note the direction of the tines for different operations.

4.4 Attaching the Hitch Arm

Connect the hitch arm to the front of the main frame. This arm will connect to your towing vehicle.



Figure 2: Pin-Style Hitch Connection. Ensure the hitch pin and cotter pin are securely in place.

5. Operating Instructions

The Yard Tuff Acreage Rake is designed for both raking and dethatching tasks. Proper operation ensures efficient results and extends the life of your equipment.

5.1 Connecting to a Towing Vehicle

Attach the rake's hitch arm to the hitch point of your ATV, UTV, or lawn tractor using the provided pin. Ensure the connection is secure before operation.



Figure 3: Rake attached to a lawn tractor.

5.2 Raking Operation

For raking leaves, grass clippings, or other loose debris, ensure the tine reels are oriented so the tips point inward. Drive the towing vehicle at a slow, consistent speed. The rake will gather debris into neat rows for easy collection. You can manually lift individual sides to create windrows to one side if needed.



Figure 4: Raking operation, showing debris being collected.

5.3 Dethatching Operation

To dethatch your lawn, reorient the tine reels so the tips point outward. This allows the tines to aggressively pull up thatch from the lawn surface. Drive at a moderate speed. Multiple passes in different directions may be required for thorough dethatching.



Figure 5: Dethatching operation, removing thatch from the lawn.

5.4 General Operation Tips

- Avoid sharp turns, especially at higher speeds, to prevent damage to the rake or towing vehicle.
- Do not back up with the rake attached, as this can cause damage to the tine reels.
- Adjust speed based on terrain and the amount of material being processed.
- For extended tine life, reverse each tine wheel periodically.

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Video 1: Demonstration of the Yard Tuff Acreage Rake in action, showing its functionality for raking and dethatching.

6. Maintenance

Regular maintenance ensures optimal performance and longevity of your acreage rake.

- **Cleaning:** After each use, remove any accumulated grass, leaves, or debris from the tine reels and frame. A stiff brush or hose can be used.
- **Inspection:** Periodically check all bolts, nuts, and pins for tightness. Tighten any loose fasteners. Inspect tine reels for damage or excessive wear.
- **Lubrication:** The tine reels feature built-in bearings for smooth performance. No regular lubrication is typically required for these sealed bearings.
- **Storage:** Store the rake in a dry, covered area to protect it from weather elements.

7. Troubleshooting

Problem	Possible Cause	Solution
Ineffective raking/dethatching	Incorrect tine orientation; too fast/slow speed; excessive debris.	Ensure tines are oriented correctly for the task. Adjust towing speed. Clear large accumulations of debris.
Rake bouncing excessively	Towing speed too high; uneven terrain.	Reduce towing speed. Exercise caution on very uneven ground.
Difficulty hitching	Misalignment; bent hitch pin.	Ensure towing vehicle and rake are on level ground and aligned. Straighten or replace bent hitch pin.
Excessive wear on tines	Constant use in one direction; rough terrain.	Reverse tine wheels periodically to distribute wear. Avoid unnecessary use on hard surfaces.

8. Specifications

- **Model:** ACR-480JR
- **Working Width:** 48 inches
- **Overall Dimensions (L x W x H):** 50" x 48" x 20"
- **Weight:** 58 lbs
- **Frame Material:** 1-inch Tubular Steel
- **Tine Reels:** 4 x 20-inch diameter, with built-in bearings
- **Hitch Type:** Pin-style
- **UPC:** 832830002820



Figure 6: Product Dimensions.

9. Warranty Information

This Yard Tuff product is covered by a **12-month limited part warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage resulting from misuse, abuse, accident, neglect, improper assembly, or unauthorized modifications. For warranty claims, please retain your proof of purchase and contact customer support.

10. Customer Support

For technical assistance, missing parts, or warranty inquiries, please contact Yard Tuff customer support. Refer to the contact information provided with your purchase or visit the official Yard Tuff website.
Manufacturer: TRI Global Enterprises

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