

VICTORY MATV-60

Victory 60" Motorized ATV Flail Mower Instruction Manual

Model: MATV-60

INTRODUCTION

This manual provides essential information for the safe operation, setup, maintenance, and troubleshooting of your Victory 60" Motorized ATV Flail Mower (Model: MATV-60). Please read this manual thoroughly before operating the machine to ensure proper use and to prevent injury or damage.

SAFETY INFORMATION

Always prioritize safety when operating the flail mower. Failure to follow safety instructions can result in serious injury or death.

- Read and understand all instructions in this manual before operation.
- Wear appropriate personal protective equipment (PPE), including eye protection, hearing protection, sturdy footwear, and long pants.
- Keep bystanders, especially children and pets, at a safe distance from the operating area.
- Ensure the work area is clear of debris that could be thrown by the mower.
- Never operate the mower under the influence of alcohol or drugs.
- Always turn off the engine and disconnect the spark plug wire before performing any maintenance, adjustments, or clearing clogs.
- The mower is equipped with a centrifugal clutch for overload suppression and quick start/stop. Do not bypass or modify this safety feature.
- Observe all safety decals on the machine.



Image: Close-up view of the side panel of the flail mower, showing various safety decals and warnings. These decals provide crucial information regarding safe operation and potential hazards.

SETUP AND ASSEMBLY

Unpacking and Initial Inspection

Carefully remove all components from the packaging. Inspect for any shipping damage. Report any damage to your dealer immediately.

Wheel Setup and Adjustment

The MATV-60 offers versatile wheel mounting options to adapt to various mowing conditions. You can mount the wheels in three configurations:

1. **Inside the mower frame border on the rear side:**For a narrower overall width.
2. **Outside the mower frame side border on the rear side:**For increased stability.
3. **Outside the mower frame in line with the rotor shaft:** For specific cutting requirements.

Refer to the assembly diagrams for detailed instructions on securing the wheels in your desired position.



Image: A close-up view of one of the wheels attached to the flail mower, showing the robust tire and axle assembly. This illustrates the wheel mounting point.



Image: Detailed close-up of a single wheel, highlighting the tire tread and rim. This provides a clear view of the wheel's construction.

Drawbar with Adjustable Offset Angles

The drawbar can be adjusted to different offset angles (200 mm and 400 mm) to achieve optimal alignment with your towing vehicle (ATV). This allows for mowing alongside obstacles or in specific patterns.

- Attach the drawbar to the mower body using the provided hardware.
- Select the desired offset position and secure the drawbar firmly.
- Ensure the sole plate weldment provides a secure and stable connection.



Image: A detailed view of the tow hitch mechanism, showing the ball hitch receiver and connecting components. This is where the mower attaches to an ATV.



Image: Close-up of the adjustable drawbar mechanism, illustrating the pin and hole system for changing the offset angle. This allows for flexible towing positions.

OPERATING INSTRUCTIONS

Engine Operation (B&S 25T2 OHV XR2100 EPA)

The MATV-60 is powered by a 420 cc, 13.5 hp B&S 25T2 OHV XR2100 EPA engine. Follow the engine manufacturer's instructions for starting, stopping, and general operation. Ensure the fuel tank is filled with fresh, clean gasoline and the oil level is correct before each use.



Image: A detailed view of the Briggs & Stratton XR2100 engine, highlighting its components and branding. This is the power unit for the flail mower.

Adjusting Mowing Height

The mowing height can be adjusted from 20 mm to 70 mm to suit different terrains and grass types. This adjustment is typically done via a lever or crank mechanism located on the mower.

- Ensure the engine is off and the mower is on a level surface before adjusting the height.
- Locate the height adjustment mechanism.
- Adjust to the desired height setting.
- Confirm both sides are set to the same height for an even cut.



Image: Rear view of the flail mower, showing the roller and the handle used for adjusting the cutting height. This mechanism allows for precise control over the mowing level.

General Mowing Tips

- Always operate the mower at a safe and controlled speed.
- Avoid mowing on excessively steep slopes.
- Be aware of your surroundings and potential hazards.
- Clear the area of large rocks, branches, or other debris before mowing.

MAINTENANCE

Regular maintenance is crucial for the longevity and optimal performance of your MATV-60 flail mower.

- **After Each Use:** Clean the mower deck and flails. Remove any accumulated grass or debris. Inspect flails for damage or wear.
- **Engine Maintenance:** Refer to the B&S engine manual for specific maintenance schedules, including oil changes, air filter cleaning/replacement, and spark plug inspection.
- **Blade/Flail Inspection:** Regularly check the flails for sharpness, damage, or excessive wear. Replace worn or damaged flails promptly.
- **Lubrication:** Lubricate all grease points as recommended in the maintenance schedule.
- **Storage:** When storing the mower for extended periods, ensure it is clean and dry. Follow engine manufacturer's instructions for long-term storage (e.g., fuel stabilizer, battery care).



Image: Close-up of the adjustable side guard on the flail mower, which can be opened for maintenance or cleaning access to the flail rotor.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Engine will not start	No fuel; Stale fuel; Spark plug issue; Choke not set	Check fuel level; Drain and refill with fresh fuel; Inspect/replace spark plug; Adjust choke.
Poor cutting performance	Dull or damaged flails; Incorrect mowing height; Engine RPM too low	Inspect/replace flails; Adjust mowing height; Check engine speed.
Excessive vibration	Bent flail; Unbalanced rotor; Loose components	Inspect flails for damage; Check rotor balance; Tighten all fasteners.
Mower not tracking straight	Uneven tire pressure; Drawbar not properly aligned	Check and adjust tire pressure; Realign drawbar offset.

SPECIFICATIONS

- Model:** MATV-60
- Engine:** B&S 25T2 OHV XR2100 EPA, 4-Stroke Gasoline
- Engine Capacity:** 420 cc
- Engine Power:** 13.5 hp

Fixed Speed: 3150 rpm

Mowing Width: 60 inches (1450 mm)

Adjustable Mowing Height: 20 - 70 mm

Product Dimensions (LxWxH): 83 x 43 x 59 inches

Item Weight: 617 pounds

Drawbar Offset Dimensions: 200 mm, 400 mm

Safety Feature: Centrifugal Clutch

Material: Metal

Power Source: Gasoline-Powered



Image: An overall view of the Victory 60" Motorized ATV Flail Mower (MATV-60), showcasing its green and yellow design, engine, and tow hitch.

WARRANTY AND SUPPORT


For warranty information, technical support, or to order replacement parts, please contact Victory Tractor Implements customer service. Keep your purchase receipt and model number (MATV-60) readily available when contacting support.

Note: Specific warranty terms and conditions may vary. Refer to the documentation provided at the time of purchase or contact the manufacturer directly for the most current information.



© 2023 Victory Tractor Implements. All rights reserved.

Related Documents - MATV-60

	<p>Victory 26-Inch Gas Grill Owner's Manual - BBQ-VCT3BSB-LP</p> <p>Comprehensive owner's manual for the Victory 26-Inch Gas Grill with Searing Side Burner (Model BBQ-VCT3BSB-LP). This guide covers assembly instructions, safety warnings, first-time operation, troubleshooting, cleaning, and warranty information.</p>
	<p>2004 Victory Kingpin Owner's Manual</p> <p>Comprehensive owner's manual for the 2004 Victory Kingpin motorcycle, covering operation, maintenance, safety guidelines, and specifications from Polaris Industries.</p>
	<p>Victory SUNRISE Ceiling-Mount Range Hood: Installation and User Manual</p> <p>Comprehensive installation guide and user manual for the Victory SUNRISE ceiling-mount range hood. Covers safety, electrical requirements, venting, specifications, installation, operation, maintenance, and warranty.</p>
	<p>Victory CBR 48\"-112\" Refrigerators: Installation and Operating Instructions</p> <p>Comprehensive guide for the installation, operation, and maintenance of Victory CBR 48\"-112\" Hydrocarbon Refrigerator Models. Covers safety, product information, electrical setup, controller functions, cleaning, troubleshooting, and warranty.</p>
	<p>Victory VUF Undercounter Freezer Installation and Operating Instructions</p> <p>This manual provides installation and operating instructions for Victory VUF Undercounter Freezer models, covering safety, product information, placement, setup, electrical requirements, operation, maintenance, and troubleshooting.</p>
	<p>Victory SUNSET Ceiling Mount Range Hood Installation and User Manual</p> <p>Comprehensive installation guide and user manual for the Victory SUNSET ceiling mount range hood. Covers safety, electrical, venting, installation, maintenance, and warranty information for residential use.</p>
