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Matijardin YLM 342S (YWT-54320-00)

Matijardin Lawnmower Blade Instruction Manual

Model: Yamaha YLM 342S (Part No. YWT-54320-00)

1. INTRODUCTION

This manual provides comprehensive instructions for the proper installation, safe operation, and essential maintenance of your Matijardin replacement lawnmower blade. This blade is specifically designed for use with **Yamaha YLM 342S** lawnmower models, corresponding to original part number **YWT-54320-00**. Adhering to these guidelines will ensure optimal performance, longevity, and safety.



Figure 1.1: Matijardin replacement lawnmower blade. This image shows the full length of the blade, highlighting its sharp cutting edge

2. SAFETY PRECAUTIONS

Always prioritize safety when handling or working near lawnmower blades. Failure to follow these safety instructions can result in serious injury.

- **Disconnect Power:** Before performing any maintenance, inspection, or blade replacement, ensure the lawnmower is completely turned off. For gasoline mowers, disconnect the spark plug wire. For electric or battery-powered mowers, unplug the power cord or remove the battery pack.
- **Wear Protective Gear:** Always wear heavy-duty work gloves to protect your hands from sharp edges and sturdy eye protection (safety glasses or goggles) to shield your eyes from debris.
- **Stabilize the Mower:** Tilt the mower onto its side with the carburetor/air filter facing upwards to prevent fuel or oil leaks. Ensure the mower is stable and cannot tip over during work.
- **Handle with Care:** Lawnmower blades are extremely sharp. Handle the blade carefully to avoid cuts.
- **Inspect for Damage:** Before installation, inspect the new blade for any manufacturing defects or shipping damage. Do not install a damaged blade.
- **Keep Bystanders Away:** Ensure no one is in the immediate vicinity when working on the lawnmower.

3. INSTALLATION

Follow these steps to safely replace your lawnmower blade.

Tools Required:

- Wrench or socket set (appropriate size for blade bolt)
- Torque wrench (recommended for proper tightening)
- Block of wood or blade removal tool (to prevent blade rotation)
- Heavy-duty gloves and eye protection

Procedure:

1. **Prepare the Mower:** Implement all safety precautions outlined in Section 2. Clean any grass clippings or debris from the underside of the mower deck to ensure clear access to the blade bolt.
2. **Secure the Blade:** Place a block of wood between the blade and the mower deck to prevent the blade from turning while you loosen the bolt.
3. **Remove the Old Blade:** Using the appropriate wrench, loosen the blade bolt by turning it counter-clockwise. Note the orientation of the old blade before removal; the cutting edge should face the direction of rotation.
4. **Install the New Blade:** Position the new Matijardin blade onto the blade adapter, ensuring the cutting edges are facing the correct direction (typically upwards towards the mower deck when viewed from below). The blade should sit flush against the adapter.



Figure 3.1: Matijardin blade showing the "Top Qualité" stamp. This image highlights the quality marking and the general shape of the blade, which helps in identifying the correct orientation for installation.

5. **Tighten the Blade Bolt:** Reinstall the blade bolt and tighten it clockwise. If using a torque wrench, tighten to the manufacturer's specified torque setting (refer to your lawnmower's instruction manual for the exact value). If a torque wrench is not available, tighten securely.
6. **Verify Installation:** Ensure the blade is firmly attached and spins freely without wobbling. Remove all tools and the block of wood from under the deck.



Figure 3.2: Close-up view of the blade's central mounting hole. This image provides a detailed look at the bore, which is crucial for proper fitment onto the mower's shaft.

4. OPERATION

Once installed, the Matijardin blade functions as an integral part of your Yamaha lawnmower's cutting system. For optimal cutting performance and to extend the life of your blade:

- **Avoid Obstacles:** Do not mow over rocks, roots, metal objects, or other debris that can damage the blade or the mower.
- **Mow Dry Grass:** For the cleanest cut and to prevent clogging, mow when the grass is dry.
- **Regular Mowing:** Mow regularly to avoid cutting excessively long grass, which can strain the mower and dull the blade faster.

5. MAINTENANCE

Regular maintenance of your blade ensures efficient cutting and prolongs its lifespan.

- **Cleaning:** After each use, or periodically, clean grass clippings and debris from the underside of the mower deck and the blade. Built-up grass can affect cutting performance and balance.
- **Inspection:** Regularly inspect the blade for signs of wear, nicks, bends, or cracks. A bent or cracked blade must be replaced immediately.
- **Sharpening:** A dull blade tears grass, leading to an unhealthy lawn. Sharpen the blade regularly using a file or grinding wheel. Ensure the cutting angle is maintained. If you are unsure, consult a professional.
- **Balancing:** After sharpening, it is crucial to balance the blade. An unbalanced blade can cause excessive vibration, leading to premature wear of mower components and an uneven cut. Use a blade balancer tool to ensure even weight distribution.
- **Storage:** If storing the mower for an extended period, clean and lightly oil the blade to prevent rust.

6. TROUBLESHOOTING

Here are some common issues and their potential solutions related to the lawnmower blade:

Problem	Possible Cause	Solution
Uneven Cut	Dull blade, bent blade, improperly installed blade.	Sharpen or replace blade. Inspect for bends and replace if necessary. Reinstall blade correctly, ensuring proper orientation and tightness.
Excessive Vibration	Unbalanced blade, bent blade, loose blade bolt.	Balance the blade. Replace a bent blade. Tighten the blade bolt to specifications.
Poor Mulching Performance	Dull blade, excessive grass height, wet grass.	Sharpen blade. Mow more frequently or raise cutting height. Mow when grass is dry.

7. SPECIFICATIONS

Technical details for the Matijardin replacement lawnmower blade:

Feature	Value
Brand (Blade Manufacturer)	Matijardin
Compatible Mower Model	Yamaha YLM 342S
Original Part Reference	YWT-54320-00
Matijardin Reference	12262
Cutting Width	39.5 cm
Blade Width	55 mm
Blade Thickness	3 mm
Central Bore Diameter	19.8 mm
Weight	1 Kilogram

8. WARRANTY AND SUPPORT

Matijardin is a French company established in 2010, committed to providing quality replacement parts for garden equipment. While specific warranty details for this blade are not provided, Matijardin offers responsive and efficient customer service.

For any questions regarding your Matijardin product, or if you encounter issues, please contact Amazon Customer Service. They will assist you with product inquiries, returns, or any concerns you may have.

Matijardin's team of professionals is available to provide advice and support for their range of products.