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Arnold M-111

Arnold Muffler M-111 Instruction Manual

For Briggs & Stratton, Kohler, and Tecumseh Engines

1. INTRODUCTION

This instruction manual provides essential information for the safe and effective installation, operation, and maintenance of your Arnold M-111 Replacement Muffler. This muffler is designed for use with Briggs & Stratton, Tecumseh, and Kohler engines ranging from 9 to 16 horsepower, specifically those utilizing mufflers with a 1-inch pipe thread. It serves as a direct replacement for original equipment manufacturer (OEM) models 392989, 32053B, and 275679.

Please read this manual thoroughly before attempting any installation or maintenance procedures. Retain this manual for future reference.



Figure 1: Arnold M-111 Muffler in its original retail packaging.

2. SAFETY INFORMATION

Always prioritize safety when working with engine components. Failure to follow these safety guidelines may result in personal injury or damage to equipment.

- **Engine Off and Cool:** Ensure the engine is completely turned off and has cooled down before beginning any work. Hot engine components, especially the exhaust system, can cause severe burns.

- **Disconnect Spark Plug:** To prevent accidental engine startup, disconnect the spark plug wire before performing any service.
- **Wear Protective Gear:** Always wear appropriate personal protective equipment, including safety glasses and work gloves, to protect against debris and sharp edges.
- **Ventilation:** Work in a well-ventilated area to avoid inhaling exhaust fumes if the engine must be briefly run for testing.
- **Secure Equipment:** Ensure the equipment (e.g., lawn mower, tractor) is stable and cannot move unexpectedly during installation.
- **Proper Tools:** Use the correct tools for the job to prevent damage to fasteners and components.

3. PACKAGE CONTENTS

Your Arnold M-111 Muffler package should contain the following item:

- 1 x Arnold M-111 Pancake Type Thread-On Muffler

ARNOLD

MUFFLER

SILENCIADOR



FOR / PARA
BRIGGS & STRATTON
TECUMSEH
KOHLER

9-16 H.P. ENGINES USING
MUFFLERS WITH 1" PIPE

MOTORES DE 9-16 H.P. QUE UTILIZAN
SILENCIADORES CON TUBO DE 25.4 mm

REPLACES O.E. / REEMPLAZA E.O.

BRIGGS & STRATTON: **392989**,

TECUMSEH: **320438**, KOHLER: **275678**



Figure 2: Angled view of the Arnold M-111 Muffler in its packaging.

4. SPECIFICATIONS

Feature	Detail
Brand	Arnold
Model Number	M-111
Compatibility	Briggs & Stratton, Tecumseh, Kohler 9-16 HP engines with 1" pipe mufflers
Replaces OEM Models	392989, 32053B, 275679
Pipe Thread Size	1 inch
Type	Pancake type, thread-on
Product Dimensions (L x W x H)	9 x 7 x 4 inches
Item Weight	15 ounces (0.94 Pounds)

5. INSTALLATION INSTRUCTIONS

Follow these steps carefully to install your new Arnold M-111 Muffler:

1. Prepare for Installation:

- Ensure the engine is completely off and cool to the touch.
- Disconnect the spark plug wire to prevent accidental starting.
- Gather necessary tools: wrench, penetrating oil (optional), and safety glasses/gloves.

2. Remove Old Muffler:

- Locate the existing muffler on your engine.
- Using a wrench, carefully loosen and remove the old muffler. It may be threaded directly onto the exhaust pipe. If it is seized, apply penetrating oil and allow it to soak before attempting removal again.
- Inspect the exhaust pipe threads for any damage or corrosion. Clean if necessary.

3. Install New Muffler:

- Align the 1-inch pipe thread of the Arnold M-111 Muffler with the exhaust pipe threads on the engine.
- Carefully thread the new muffler onto the exhaust pipe by hand to ensure it starts correctly and avoids cross-threading.
- Once hand-tight, use a wrench to tighten the muffler securely. Do not overtighten, as this can damage the threads.

4. Final Checks:

- Ensure the muffler is firmly attached and does not wobble.
- Reconnect the spark plug wire.
- Start the engine briefly to check for proper fit and exhaust leaks. Listen for any unusual noises.



Figure 3: Close-up of the Arnold M-111 Muffler's perforated face, showing the 1-inch pipe thread connection point.

6. OPERATION

The Arnold M-111 Muffler functions by reducing engine exhaust noise and directing exhaust gases away from the operator. Once properly installed, no specific operational steps are required for the muffler itself. Its function is integral to the engine's exhaust system.

7. MAINTENANCE

Regular inspection of your muffler can help ensure its longevity and proper function:

- **Visual Inspection:** Periodically check the muffler for signs of rust, cracks, holes, or loose connections.
- **Tightness:** Ensure the muffler remains securely threaded onto the exhaust pipe. Tighten if necessary, but avoid overtightening.
- **Cleaning:** Keep the exterior of the muffler free from excessive dirt, debris, or oil buildup.

- **Replacement:** If the muffler shows significant damage, excessive noise, or exhaust leaks, it should be replaced immediately to maintain engine performance and safety.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Excessive Engine Noise	Muffler loose, damaged, or internal baffles compromised.	Check muffler tightness. Inspect for cracks or holes. Replace if damaged.
Exhaust Leaks	Muffler not tightened sufficiently, damaged threads, or muffler defect.	Ensure muffler is securely tightened. Inspect threads for damage. If leaks persist, replace the muffler.
Muffler Does Not Fit	Incorrect pipe thread size or incompatible engine model.	Verify your engine requires a 1-inch pipe thread muffler and is one of the compatible engine types (Briggs & Stratton, Tecumseh, Kohler 9-16 HP). Double-check OEM replacement numbers.

9. WARRANTY AND SUPPORT

For information regarding warranty coverage or technical support for your Arnold M-111 Muffler, please refer to the warranty documentation included with your purchase or visit the official Arnold product support website. Contact details for customer service are typically available on the product packaging or the manufacturer's website.

Manufacturer: Arnold

Website: [Arnold Official Store on Amazon](#) (for general product information)

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