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› AMERISUN AV8621S1 Self-Propelled Gas Lawn Mower Instruction Manual

AMERISUN AV8621S1

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Model: AV8621S1

INTRODUCTION

This manual provides essential information for the safe operation, assembly, maintenance, and troubleshooting of your AMERISUN AV8621S1 21-inch Self-Propelled Gas Lawn Mower. Please read this manual thoroughly before operating the machine to ensure proper use and to prevent injury or damage.



Figure 1: Overview of the AMERISUN AV8621S1 Self-Propelled Gas Lawn Mower.

SAFETY INFORMATION

Operating a lawn mower can be dangerous if proper safety precautions are not followed. Always prioritize your safety and the safety of others.

- **Read the Manual:** Familiarize yourself with all controls and safety decals before operation.
- **Personal Protective Equipment:** Always wear eye protection, hearing protection, long pants, and sturdy, non-slip footwear. Do not operate barefoot or in open-toed sandals.
- **Clear the Area:** Before starting, clear the mowing area of objects such as rocks, toys, wires, or other debris that could be thrown by the blade.
- **Keep Bystanders Away:** Ensure children, pets, and other people are at a safe distance (at least 50 feet) from the mowing area.
- **Carbon Monoxide Warning:** Never operate the engine in an enclosed area. Engine exhaust contains carbon monoxide, a

colorless, odorless, and deadly gas.

- **Refueling Safety:** Refuel outdoors in a well-ventilated area with the engine off and cool. Do not smoke while refueling.
- **Blade Safety:** Disconnect the spark plug wire before performing any maintenance or clearing clogs to prevent accidental starting. Never place hands or feet near rotating parts.
- **Slope Operation:** Mow across the face of slopes, not up and down. Exercise extreme caution when changing direction on slopes. Avoid mowing excessively steep slopes.

SETUP

Your AMERISUN AV8621S1 lawn mower requires minimal assembly. Follow these steps to prepare your mower for first use.

1. Unpacking and Handle Assembly

The mower comes largely pre-assembled. Carefully remove the mower from its packaging. Unfold the handle from its folded storage position and secure it using the provided knobs or levers. Ensure all cables are routed correctly and not pinched.



Figure 2: The mower handle can be folded for compact storage. Unfold and secure for operation.

2. Adding Engine Oil

Locate the oil fill cap/dipstick on the engine. Remove it and slowly add the recommended engine oil (typically SAE 30 or 10W-30, refer to engine manual for exact type and capacity) until the oil level reaches the 'FULL' mark on the dipstick. Do not overfill.

3. Adding Fuel

Ensure the engine is off and cool before adding fuel. Use fresh, unleaded gasoline with an octane rating of 87 or higher. Do not use E85 fuel. Fill the fuel tank carefully, avoiding spills. Leave a small amount of space at the top of the tank to allow for fuel expansion.

4. Grass Bag Attachment

Lift the rear discharge flap and hook the grass collection bag onto the mower chassis. Ensure it is securely attached to prevent grass clippings from escaping.



Figure 3: The grass collection bag can be easily attached and removed for emptying.

5. Side Discharge Chute (Optional)

If you prefer side discharge, lift the side discharge cover and attach the side discharge chute. Ensure it is firmly in place.



Figure 4: The side discharge chute allows for clippings to be expelled to the side.

OPERATING INSTRUCTIONS

Follow these steps for safe and effective operation of your AMERISUN AV8621S1 lawn mower.

1. Pre-Operation Checklist

- Check engine oil level.

- Ensure fuel tank is adequately filled.
- Inspect the blade for sharpness and damage.
- Clear the mowing area of any debris.
- Verify all nuts, bolts, and fasteners are tight.

2. Starting the Engine

Your mower features a 170cc 4-cycle OHV engine with an auto choke system for easy starting. To start:

1. Ensure the spark plug wire is securely connected.
2. Stand behind the mower and firmly grasp the control bar against the handle.
3. Pull the starter rope with a rapid, continuous motion until the engine starts. Do not let the rope snap back.



Figure 5: The engine features an auto choke system for simplified starting.

3. Adjusting Cutting Height

The mower offers a single-lever, 6-position height adjustment, allowing you to set cutting heights from 1.5 inches to 3.9 inches. To adjust, simply move the lever located near the wheels to your desired position.



Figure 6: Adjust the cutting height using the single lever for optimal lawn care.

4. Engaging Self-Propel

This model features a rear-wheel drive (RWD) self-propelled system, making mowing effortless, especially on inclines. To engage, simply squeeze the self-propel drive control bar towards the handle. Release the bar to disengage the drive.



Figure 7: The self-propelled system assists in moving the mower, reducing user effort.

5. Mowing Techniques

For best results, mow when the grass is dry. Overlap cutting swaths slightly to ensure an even cut. Avoid cutting more than one-third of the grass blade length at a time. The 21-inch cutting width allows for efficient coverage.



Figure 8: The 21-inch cutting width provides efficient mowing coverage.

6. Stopping the Engine

To stop the engine, release the control bar. The engine will automatically shut off. Wait for all moving parts to come to a complete stop before approaching the mower.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your lawn mower. Always disconnect the spark plug wire before performing any maintenance.

1. Regular Cleaning

After each use, clean the underside of the mower deck to prevent grass buildup, which can affect cutting performance. Use a stiff brush or scraper. Avoid using high-pressure water directly on the engine.

2. Engine Oil

Check the engine oil level before each use. Change the engine oil after the first 5 hours of operation, then every 25 hours or annually, whichever comes first. Refer to the engine manual for specific oil change procedures.

3. Air Filter

Inspect the air filter every 25 hours or more frequently in dusty conditions. Clean or replace the air filter as needed to ensure proper engine performance and prevent damage.



Figure 9: Regularly inspect and maintain the air cleaner for optimal engine function.

4. Spark Plug

Inspect the spark plug annually or every 50 hours. Clean or replace if it is fouled, worn, or damaged. Ensure the gap is set correctly according to the engine specifications.

5. Blade Care

Regularly inspect the cutting blade for sharpness, cracks, or bends. A dull blade can tear grass, leading to an unhealthy lawn. Sharpen or replace the blade as necessary. Always wear heavy gloves when handling the blade.

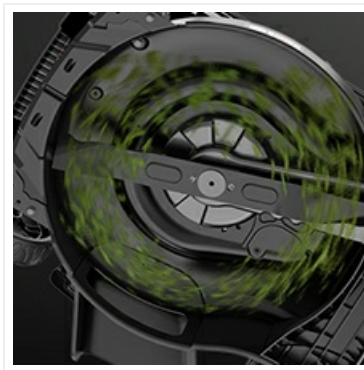


Figure 10: The cutting blade should be inspected regularly for sharpness and damage.

6. Storage

For seasonal storage, clean the mower thoroughly. Drain the fuel or add a fuel stabilizer. Change the engine oil. Store the mower in a clean, dry area. The handle can be folded for compact storage.

TROUBLESHOOTING

This section provides solutions to common operational issues. For problems not listed here, contact customer support.

Problem	Possible Cause	Solution
Engine won't start	No fuel, stale fuel, spark plug issue, clogged air filter, control bar not engaged	Add fresh fuel, check spark plug, clean/replace air filter, ensure control bar is held
Engine runs poorly/lacks power	Clogged air filter, stale fuel, incorrect oil level, dirty spark plug	Clean/replace air filter, use fresh fuel, check oil level, clean/replace spark plug
Mower cuts unevenly	Dull or bent blade, uneven wheel height adjustment, excessive grass height	Sharpen/replace blade, ensure all wheels are set to the same height, cut less grass at a time
Self-propel not engaging	Drive cable loose or damaged, drive belt worn or broken	Inspect and adjust drive cable, inspect and replace drive belt if necessary

SPECIFICATIONS

Key technical specifications for the AMERISUN AV8621S1 Self-Propelled Gas Lawn Mower.

Feature	Specification
Brand	AMERISUN
Model Number	AV8621S1
Engine	170cc 4-Cycle OHV
Power Source	Gas Powered
Cutting Width	21 Inches

Feature	Specification
Cutting Height Adjustment	Single-lever, 6 positions (1.5 - 3.9 Inches)
Drive System	Rear Wheel Drive (Self-Propelled)
Operation Mode	Automatic
Item Weight	66 Pounds
Product Dimensions (DxWxH)	59.8" x 26.7" x 38.4"
UPC	840432702307



Figure 11: Key specifications and dimensions of the AMERISUN AV8621S1.

WARRANTY INFORMATION

For detailed warranty information regarding your AMERISUN AV8621S1 Self-Propelled Gas Lawn Mower, please refer to the warranty documentation included with your purchase or visit the official AMERISUN website. Keep your proof of purchase for warranty claims.

CUSTOMER SUPPORT

If you have any questions, require technical assistance, or need to order replacement parts, please contact AMERISUN customer service. Contact details can typically be found on the product packaging, the official AMERISUN website, or in the warranty documentation.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question