

## Poulan Pro 961420149

# Poulan Pro PR174Y22RHPE Lawn Mower User Manual

Model: 961420149

## INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your Poulan Pro PR174Y22RHPE 22-inch 174cc Power Series 3-in-1 Walk Behind Front Wheel Drive Lawn Mower. Please read this manual thoroughly before operating the machine to ensure proper use and to prevent injury or damage.



Figure 1: Overall view of the Poulan Pro PR174Y22RHPE Lawn Mower, showcasing its black and yellow design with the engine and grass bag visible.

## PRODUCT FEATURES

- **Engine:** Equipped with a 174cc Poulan Pro Power Series high-performance engine for reliable operation.
- **Starting System:** Features an instant push-button start with no pull cord, powered by an integrated lithium battery. The battery module is removable for convenient charging.
- **Cutting Deck:** Durable 22-inch steel cutting deck.
- **Cutting Modes:** Versatile 3-in-1 capability for side discharge, mulching, and rear bagging. No tools are required to switch between modes.
- **Drive System:** Front Wheel Drive (FWD) with power assist transmission for easy maneuverability.
- **Wheels:** 11-inch high rear wheels enhance control and maneuverability on various terrains.

## SETUP AND ASSEMBLY

Your Poulan Pro lawn mower comes partially assembled. Follow these steps to prepare it for first use.

1. **Unpacking:** Carefully remove the mower and all components from the packaging. Retain the packaging for future storage or transport.
2. **Handle Assembly:** Unfold the handle and secure it in the operating position using the provided knobs or levers. Ensure all cables are routed correctly and not pinched.
3. **Battery Charging:** Locate the lithium battery module for the push-button start. Remove it and charge

it fully using the supplied charger before first use. A full charge provides up to 75 starts.

#### 4. Add Fuel and Oil:

- Fill the fuel tank with fresh, unleaded gasoline (minimum 87 octane). Do not overfill.
- Add the recommended engine oil to the oil fill port. Refer to the engine manual for specific oil type and capacity. Check the oil level before each use.

5. **Grass Bag Attachment (Optional):** If using the rear bagging mode, attach the grass bag according to the instructions in the separate assembly guide or the mower's quick start guide.

## OPERATING INSTRUCTIONS

---

### Starting the Engine

The Poulan Pro PR174Y22RHPE features an easy, no-prime push-button start system.

1. Ensure the fuel tank is adequately filled and the oil level is correct.
2. Stand behind the mower and firmly grasp the operator presence control bar (bail bar) against the handle. This bar must be held for the engine to run.
3. Press and hold the "PUSH START" button located on the handle. The engine should start within a few seconds. Release the button once the engine starts.
4. If the engine does not start, ensure the battery is charged and repeat the process.



Figure 2: Detail of the handle showing the push-button start module, which simplifies engine ignition.

### Engaging Front Wheel Drive (FWD)

To engage the self-propelled Front Wheel Drive, squeeze the drive control bar (usually located below the operator presence control bar) against the handle. Release the bar to disengage the drive.

### Adjusting Cutting Height

The cutting height can be adjusted using the levers located near the wheels. Ensure all wheels are set to the same height for an even cut. Avoid cutting more than one-third of the grass blade length at a time.

### Using 3-in-1 Cutting Modes

Your mower supports mulching, bagging, and side discharge. Switching between modes typically involves removing or installing the grass bag and/or the side discharge chute. No tools are required for these changes.

- **Mulching:** For finely cut grass clippings that return nutrients to the lawn. Ensure the side discharge chute is closed and the grass bag is removed.
- **Bagging:** For collecting grass clippings. Attach the grass bag securely and ensure the side discharge chute is closed.
- **Side Discharge:** For expelling clippings out the side of the deck. Attach the side discharge chute and ensure the grass bag is removed.



Figure 3: The lawn mower in use, demonstrating its maneuverability and effective cutting on a residential lawn.

## MAINTENANCE

---

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

- **Engine Oil:** Check oil level before each use. Change oil after the first 5 hours of operation, then every 25 hours or annually, whichever comes first.
- **Air Filter:** Clean or replace the air filter regularly, especially in dusty conditions. A dirty air filter can reduce engine performance.
- **Spark Plug:** Inspect and clean the spark plug annually. Replace if worn or fouled.
- **Cutting Blade:** Inspect the cutting blade for sharpness and balance regularly. Sharpen or replace the blade as needed. A dull blade tears grass, leading to an unhealthy lawn.
- **Deck Cleaning:** Clean the underside of the cutting deck after each use to prevent grass buildup, which can affect cutting performance and lead to rust.
- **Battery Care:** Keep the lithium battery charged. Store the battery in a cool, dry place when not in use for extended periods.



Figure 4: View of the engine and cutting deck, highlighting areas for routine maintenance such as oil checks and deck cleaning.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Engine will not start	<ul style="list-style-type: none"><li>• No fuel or stale fuel</li><li>• Spark plug faulty or dirty</li><li>• Battery for push-button start is low/dead</li><li>• Operator presence control bar not engaged</li></ul>	<ul style="list-style-type: none"><li>• Fill with fresh gasoline</li><li>• Clean or replace spark plug</li><li>• Charge the battery module</li><li>• Hold the bail bar firmly against the handle</li></ul>
Engine runs rough or stalls	<ul style="list-style-type: none"><li>• Dirty air filter</li><li>• Stale fuel</li><li>• Carburetor issues</li></ul>	<ul style="list-style-type: none"><li>• Clean or replace air filter</li><li>• Drain old fuel and refill with fresh fuel</li><li>• Contact a service center</li></ul>
Uneven cut	<ul style="list-style-type: none"><li>• Dull or bent blade</li><li>• Wheels set to different heights</li><li>• Grass buildup under deck</li></ul>	<ul style="list-style-type: none"><li>• Sharpen or replace blade</li><li>• Adjust all wheels to the same height</li><li>• Clean the underside of the deck</li></ul>
Self-propel not working	<ul style="list-style-type: none"><li>• Drive control bar not engaged</li><li>• Drive belt worn or broken</li></ul>	<ul style="list-style-type: none"><li>• Squeeze the drive control bar firmly</li><li>• Inspect and replace drive belt if necessary (contact service)</li></ul>

SPECIFICATIONS

