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› Ryobi 18V ONE+ Airstrike 16-Gauge Cordless Finish Nailer P325 Instruction Manual

Ryobi P325

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Model: P325

1. INTRODUCTION AND SAFETY INFORMATION

This manual provides essential instructions for the safe operation, setup, maintenance, and troubleshooting of your Ryobi 18V ONE+ Airstrike 16-Gauge Cordless Finish Nailer, Model P325. Please read and understand all instructions before using the tool.

General Safety Warnings

- Always wear eye protection that conforms to ANSI Z87.1.
- Keep hands and body parts away from the discharge area of the tool.
- Ensure the workpiece is stable before nailing.
- Disconnect the battery pack before making adjustments, changing accessories, or storing the tool.
- Do not operate the tool in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- Keep children and bystanders away while operating a power tool.



Figure 1.1: Ryobi P325 Cordless Finish Nailer with included battery and charger.

Note on Packaging: This product is typically removed from retail packaging for shipping purposes and may arrive in a generic shipping box. This does not affect the product's functionality or quality.

**COMES IN
BULK
PACKAGING,
NO RETAIL
PACKAGING**

Figure 1.2: Information regarding bulk packaging.

2. PRODUCT OVERVIEW

Familiarize yourself with the main components of your Ryobi P325 Finish Nailer.

- **Nailer Body:** Houses the motor and firing mechanism.
- **Magazine:** Holds the strip of nails.
- **Depth-of-Drive Adjustment:** Allows control over nail depth.
- **Trigger:** Activates the firing mechanism.
- **Battery Port:** For inserting the 18V ONE+ battery.
- **LED Work Light:** Illuminates the work area.



Figure 2.1: Side view of the nailer, highlighting the magazine and main body.

3. SETUP

3.1 Battery Installation and Charging

The Ryobi P325 operates on an 18V ONE+ Lithium-Ion battery. Ensure the battery is fully charged before use.

1. **To Install Battery:** Align the ribs on the battery pack with the grooves in the tool's battery port. Slide the battery pack into the tool until it latches securely.
2. **To Remove Battery:** Press the release latches on the sides of the battery pack and pull the battery out of the tool.
3. **To Charge Battery:** Connect the dual chemistry charger to a standard power outlet. Slide the battery pack onto the charger. Indicator lights on the charger will show the charging status. A typical 1.5Ah battery charges in approximately 1 hour.

COMES BULK PACKAGED, NO RETAIL PACKAGING

Figure 3.1: Ryobi 18V ONE+ battery and charger.





Figure 3.2: Ryobi 18V ONE+ battery charger connected to its power cord.

3.2 Loading Nails

The P325 uses 16-gauge finish nails ranging from 3/4 inch to 2-1/2 inches in length.

1. Ensure the battery pack is removed from the nailer.
2. Pull back the pusher assembly until it locks into place.
3. Insert a strip of 16-gauge finish nails into the magazine with the nail points facing down.
4. Release the pusher assembly, allowing it to push the nails forward until they are seated against the nosepiece.

4. OPERATION

4.1 Adjusting Depth-of-Drive

The tool features a toolless depth-of-drive adjustment to control how deep the nail is driven into the workpiece.

1. With the battery removed, locate the depth adjustment dial or lever near the nosepiece.
2. Rotate the dial or move the lever to increase or decrease the nail depth. Test on a scrap piece of material to achieve the desired depth.
3. Adjusting the depth helps protect the work surface and ensures proper nail setting.



Figure 4.1: Side view of the nailer, indicating the depth-of-drive adjustment mechanism.

4.2 Firing the Nailer

The Ryobi P325 utilizes AirStrike Technology for cordless convenience.

1. Ensure the battery is installed and nails are loaded.
2. Place the nosepiece firmly against the workpiece where you want to drive a nail.
3. Squeeze the trigger to fire a nail.
4. For sequential firing, release the trigger and reposition the nosepiece for the next nail.

Important: Always ensure the nosepiece is fully depressed against the work surface before pulling the trigger to prevent accidental firing or misfires.

5. MAINTENANCE

5.1 General Cleaning

Regular cleaning helps maintain the tool's performance and extends its lifespan.

- Always remove the battery pack before cleaning.
- Use a clean, dry cloth to wipe down the exterior of the tool.
- Periodically clear any dust or debris from the air vents using compressed air.
- Keep the magazine free of sawdust and foreign material.

5.2 Clearing Nail Jams

If a nail jam occurs, follow these steps carefully:

1. **Remove the battery pack immediately.**
2. Open the magazine or nosepiece latch (refer to your tool's specific design for jam clearing access).
3. Carefully remove the jammed nail using pliers if necessary. Avoid forcing the nail.
4. Ensure all debris is cleared from the firing channel.
5. Close the magazine/nosepiece latch securely.
6. Reinstall the battery pack and test the nailer on a scrap piece of material.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Nailer does not fire.	• Battery not installed or discharged. • Nails not loaded or magazine empty. • Nosepiece not fully depressed. • Tool jam.	• Install charged battery. • Load nails. • Ensure nosepiece is firmly against workpiece. • Clear jam (see Section 5.2).
Nails not setting properly (too shallow/deep).	• Depth-of-drive setting incorrect. • Battery charge low. • Incorrect nail length for material.	• Adjust depth-of-drive (see Section 4.1). • Recharge battery. • Use appropriate nail length.
Nailer jams frequently.	• Damaged or incorrect nails. • Debris in magazine or firing channel. • Worn driver blade.	• Use only recommended, undamaged nails. • Clean magazine and firing channel. • Contact service for driver blade replacement.

7. SPECIFICATIONS

- **Model:** P325
- **Power Source:** 18V DC (Ryobi ONE+ Battery System)
- **Nail Gauge:** 16-Gauge
- **Nail Length Capacity:** 3/4 in. to 2-1/2 in. (19 mm to 64 mm)
- **Technology:** AirStrike™ Cordless

- **Manufacturer:** Ryobi (*Note: Product data may incorrectly list other manufacturers; this product is branded and manufactured by Ryobi.*)
- **ASIN:** B076PM5Z5T

8. WARRANTY AND SUPPORT

Ryobi power tools are typically backed by a manufacturer's warranty. For specific warranty details, including duration and coverage, please refer to the warranty card included with your original purchase or visit the official Ryobi website. For technical assistance, replacement parts, or service, please contact Ryobi Customer Support. Have your model number (P325) and serial number ready when contacting support.

Ryobi Official Website: www.ryobitools.com

Customer Service: Refer to the contact information provided on the Ryobi website or in your product documentation.

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