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> ARMOR TOOL Auto-Jig Pocket Hole System - Master Pack - User Manual

ARMOR TOOL APJ-800-F

ARMOR TOOL Auto-Jig Pocket Hole System - Master Pack

Model: APJ-800-F

INTRODUCTION

The ARMOR TOOL Auto-Jig Pocket Hole System is designed to simplify woodworking joinery, providing precise and effortless pocket holes. This Master Pack includes the self-adjusting jig and a comprehensive assortment of 800 fine thread screws, ideal for delicate wood connections.

Key features of your Auto-Jig system include:

- **Revolutionary Joinery:** Automatically sets drill guide and collar based on workpiece thickness for precise pocket holes.
- **Effortless Clamping:** Patented Auto-Adjust clamp adapts to various thicknesses, holding your workpiece securely without manual adjustments.
- **Color-Coated Simplicity:** Simplifies screw selection by matching screw sizes and heads to pocket hole depth. Color coating also offers anti-corrosive protection.
- **Craftsman-Focused Design:** Integrates a self-adjusting drill guide block, drill bit and collar, auto-adjust clamp, and dust collection port. Height-optimized for 2x4 extensions.
- **Assorted 800-Piece Fine Screw Kit:** Includes 200 screws each of 1", 1 1/4", and 1 1/2" lengths, and 100 screws each of 2" and 2 1/2". These color-coded, fine thread screws reduce the risk of splitting or damaging wood.



Figure 1: ARMOR TOOL Auto-Jig Pocket Hole System Master Pack, including the jig and assorted fine thread screws.

SETUP

Before beginning any project, ensure your workspace is clean, well-lit, and stable. Unpack all components of the ARMOR TOOL Auto-Jig system and familiarize yourself with each part.

1. **Inspect Components:** Verify all parts listed in the packaging are present and undamaged. This includes the Auto-Jig unit, drill bit, collar, hex wrench, and screw assortment.
2. **Position the Jig:** Place the Auto-Jig on a stable, flat surface. For optimal stability and repeated use, consider securing the jig to your workbench using clamps or screws through the designated mounting holes.
3. **Connect Dust Collection (Optional):** If desired, connect a dust collection system to the integrated dust port on the jig to minimize sawdust during operation.



Figure 2: Side view of the Auto-Jig, highlighting the robust design and clamping lever.

OPERATING INSTRUCTIONS

The ARMOR TOOL Auto-Jig simplifies pocket hole joinery with its automatic adjustments. Follow these steps for effective use:

1. **Prepare Workpiece:** Ensure your wood piece is cut to the desired dimensions and free of debris.
2. **Place Workpiece:** Insert the workpiece into the jig, ensuring it rests firmly against the backstop and the side fence.
3. **Engage Auto-Adjust Clamp:** Push the clamping lever down to secure the workpiece. The patented Auto-Adjust mechanism will automatically set the drill block to the correct height and simultaneously set the drill bit collar to the precise depth required for your material thickness.
4. **Verify Settings:** Observe the indicators on the jig to confirm the automatic settings for material thickness, screw length, and jig setting. The color-coded system on the jig will guide you in selecting the appropriate screw from your kit.
5. **Drill Pocket Hole:** Insert the provided drill bit into your drill. Align the drill bit with the drill guide holes on the jig. Apply steady, even pressure while drilling through the guide, allowing the bit to create the pocket hole.
6. **Clear Chips:** Utilize the dust collection port or clear wood chips manually after each hole to maintain optimal performance.
7. **Release Workpiece:** Lift the clamping lever to release the workpiece.



Figure 3: The Auto-Jig securely clamping a workpiece, ready for drilling.

Video Demonstration

For a visual guide on setting up and operating your ARMOR TOOL Auto-Jig, please watch the official product video below:

Your browser does not support the video tag.

Video 1: Official demonstration of the Armor Tool Pocket Hole Auto-Jig in action, showcasing its self-adjusting and clamping features.



Figure 4: Detailed view of the jig's interface, showing material thickness and screw length guides, along with color-coded screws.

MAINTENANCE

Proper maintenance will ensure the longevity and continued accuracy of your ARMOR TOOL Auto-Jig.

- **Cleaning:** After each use, especially after drilling, clear all sawdust and wood chips from the jig, particularly around the clamping mechanism and drill guide. A brush or compressed air can be effective.
- **Lubrication:** Periodically apply a small amount of light machine oil to the moving parts of the clamping mechanism to ensure smooth operation.
- **Drill Bit Care:** Keep your drill bit sharp and clean. A dull bit can lead to poor hole quality and increased strain on the tool.
- **Storage:** Store the Auto-Jig in a clean, dry environment, away from excessive moisture or extreme temperatures.



Figure 5: Close-up of the Auto-Jig's clamping mechanism, which benefits from regular cleaning and lubrication.

TROUBLESHOOTING

If you encounter issues with your ARMOR TOOL Auto-Jig, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Jig not clamping securely.	Wood chips obstructing mechanism; clamping pressure not set correctly.	Clean the clamping area thoroughly. Ensure the auto-adjust knob is properly engaged.
Drill bit not reaching correct depth.	Collar not set correctly; dull drill bit.	Ensure the auto-adjust mechanism has properly set the collar. Sharpen or replace the drill bit.

Problem	Possible Cause	Solution
Inconsistent pocket hole quality.	Dull drill bit; improper drilling technique; material inconsistencies.	Use a sharp drill bit. Apply consistent pressure and speed. Test on scrap wood.

SPECIFICATIONS

- **Brand:** ARMOR TOOL
- **Model Number:** APJ-800-F
- **Part Number:** APJ-800-F
- **Item Weight:** 10.98 pounds
- **Package Dimensions:** 15.45 x 9.5 x 8.55 inches
- **Power Source:** Hand-powered
- **Included Components:** Auto-Jig System, 800 Fine Thread Screws
- **Batteries Required:** No
- **First Available:** August 31, 2023



Figure 6: The included 800-piece fine thread screw kit, color-coded for easy identification.

WARRANTY AND SUPPORT

For warranty information and customer support regarding your ARMOR TOOL Auto-Jig Pocket Hole System, please refer

to the official ARMOR TOOL website or contact their customer service directly. Keep your purchase receipt as proof of purchase for any warranty claims.

Visit the official ARMOR TOOL Store: [ARMOR TOOL Store on Amazon](#)