RYOBI A99HT2, A99DLK4

RYOBI A99HT2 Hinge and A99DLK4 Lock Installation Kit User Manual

Models: A99HT2, A99DLK4

1. Safety Information

Always read and understand all instructions before using this product. Failure to follow all instructions may result in property damage or personal injury. Keep this manual for future reference.

- **Wear Eye Protection:** Always wear appropriate eye protection when operating power tools or performing any installation tasks.
- **Secure Workpiece:** Ensure the door and any templates are securely clamped or held in place to prevent movement during operation.
- **Use Correct Bits:** Only use the specified router bits and hole saws for their intended purpose.
- **Power Tool Safety:** Follow all safety guidelines provided with your router and drill. Disconnect power tools before changing accessories or making adjustments.
- **California Proposition 65 Warning:** This product can expose you to chemicals, including lead, known to the State of California to cause cancer, birth defects, or other reproductive harm. Wash hands after handling.

2. Package Contents

Verify that all items listed below are included in your package. If any parts are missing or damaged, contact RYOBI customer service.



Image: The RYOBI A99HT2 Door Hinge Installation Kit and A99DLK4 Wood/Metal Door Lock Installation Kit shown together in their retail packaging.

RYOBI A99HT2 Door Hinge Installation Kit:

- Hinge Router Template
- Carbide Hinge Tip Router Cutter
- 1/8" Bronze Oxide Drill Bit
- PH2/8-10SL Dual End Screwdriver Bit
- Operator's Manual

RYOBI A99DLK4 Wood/Metal Door Lock Installation Kit:

- Lock Installation Template/Jig
- 2-1/8" Cross Hole Saw
- 1" Hole Saw
- Wood Drill Bit (for latch bore)
- Operator's Manual

3. RYOBI A99HT2 Door Hinge Installation Kit

3.1. Overview

The RYOBI A99HT2 Hinge Installation Kit is designed to simplify the process of routing hinge mortises on standard-sized doors. It features an integrated clamp for secure attachment and includes necessary bits for immediate use.





Image: Front view of the RYOBI A99HT2 Door Hinge Installation Kit packaging, highlighting its features.

3.2. Setup and Adjustment

1. **Prepare the Door:** Ensure the door surface is clean and free of obstructions. If installing on a new door slab, ensure it is properly sized and positioned.
2. **Attach the Template:** Position the hinge router template on the edge of the door where the hinge mortise is required. The built-in plastic clamp attaches to standard door thicknesses. Tighten the clamp securely to prevent any movement.
3. **Adjust Hinge Length:** Use the integrated adjustment tool to set the template for the desired hinge length (e.g., 3 in., 3.5 in., 4 in., 5 in.).
4. **Set Router Bit Depth:** Insert the Carbide Hinge Tip Router Cutter into your router. Use the template's built-in tip depth gauge to set the correct routing depth for your hinge thickness.
5. **Select Corner Type:** The template supports both square and rounded hinge corners. Ensure your router bit matches the desired corner type.
6. **Optional: Removable Front Guide:** For compact chisels or routers, the removable front guide can be used for additional support.

3.3. Operation: Creating Hinge Mortises

1. **Secure the Router:** Ensure your router is securely fitted with the correct bit and depth setting.
2. **Route the Mortise:** Carefully guide the router along the inner edges of the template. Maintain steady pressure and a consistent speed to create a clean, even mortise.
3. **Clean the Mortise:** After routing, remove any wood chips or debris. If using square hinges, use a chisel to square off the corners if the router bit created rounded corners.
4. **Repeat for Additional Hinges:** Reposition the template for each subsequent hinge location, ensuring consistent spacing and alignment.

4. RYOBI A99DLK4 Wood/Metal Door Lock Installation Kit

4.1. Overview

The RYOBI A99DLK4 Lock Installation Kit provides a precise and stable method for drilling holes for door locks and deadbolts in both wood and light metal doors. It features an auto-strike locator and integrated guides for accurate placement.



Image: Front view of the RYOBI A99DLK4 Wood/Metal Door Lock Installation Kit packaging, showing the main jig and hole saws.

4.2. Setup and Adjustment

1. **Prepare the Door:** Ensure the door is securely positioned. The template fits standard-sized wooden or light metal doors.
2. **Position the Jig:** Place the lock installation jig on the edge of the door. The auto-strike locator helps align the jig with the existing strike plate or desired latch position.
3. **Secure the Jig:** Push the 'S' into the latch bore area to help stabilize the jig. For additional stability, ensure the jig is held firmly against the door.
4. **Set Backset:** Use the built-in adjuster to set the desired backset measurement (distance from the edge of the door to the

center of the main hole). Common backsets are 2-3/8" or 2-3/4".

4.3. Operation: Drilling Lock and Latch Bores

1. **Drill the Cross Bore (Main Lock Hole):**
    - Attach the shaft and pilot drill to the 2-1/8" hole saw.
    - Insert the hole saw assembly into your drill.
    - Align the pilot drill with the center guide of the jig for the main lock hole.
    - Drill through the door, maintaining a steady and controlled motion, until the hole is complete.
2. **Drill the Latch Bore:**
    - Remove the 2-1/8" hole saw.
    - Attach the 1" hole saw or the wood drill bit to your drill.
    - Align the bit with the latch bore guide on the edge of the jig.
    - Drill into the door edge until the latch bore is complete and connects with the cross bore.
3. **Install Hardware:** Once both holes are drilled, remove the jig and proceed with installing your lock and latch hardware according to their specific instructions.

5. Maintenance

Proper maintenance ensures the longevity and performance of your RYOBI installation kits.

- **Cleaning:** After each use, clean the templates and bits to remove wood dust, debris, or metal shavings. Use a dry cloth or soft brush. Do not use harsh chemicals that may damage the plastic.
- **Bit Care:** Inspect router bits and hole saws for wear or damage. Replace dull or damaged bits to ensure clean cuts and prevent strain on your power tools.
- **Storage:** Store the kits in a dry, clean place, away from direct sunlight and extreme temperatures. Keep all components together to prevent loss.

6. Troubleshooting

Refer to the table below for common issues and their solutions.

Problem	Possible Cause	Solution
Hinge mortise is uneven or rough.	Template not securely clamped; dull router bit; inconsistent router speed.	Ensure template is tightly clamped. Replace dull bits. Maintain steady router speed and pressure.
Lock bore is misaligned or off-center.	Jig not stable; incorrect backset setting; pilot drill not centered.	Hold jig firmly or clamp if possible. Double-check backset measurement. Ensure pilot drill is correctly aligned before drilling.
Hole saws or router bits are not cutting effectively.	Dull or damaged bits.	Replace with new, sharp RYOBI-compatible bits.
Kit does not fit specific door or hinge dimensions.	Product designed for standard US door/hinge sizes.	Verify product compatibility with your specific door and hardware dimensions before purchase.

7. Specifications

Key specifications for the RYOBI A99HT2 and A99DLK4 kits.

Feature	Specification
Brand	RYOBI
Model Numbers	A99HT2 (Hinge Kit), A99DLK4 (Lock Kit)
Material	Plastic
Product Dimensions	Approximately 2"L x 1"W (individual components vary)
Item Weight	Approximately 1.96 pounds (combined)
Hinge Kit Compatibility	Standard door thicknesses, 3 in. to 5 in. hinges, 1/4 in. and 5/8 in. round and square corners.
Lock Kit Compatibility	Standard wooden or light metal doors, most standard locks and deadbolts.
Included Hole Saws	2-1/8" (Cross Bore), 1" (Latch Bore)
UPC	850011952023 (Combined Kit), 0033287186778 (A99HT2), 0033287162475 (A99DLK4)

8. Warranty and Support

RYOBI products are manufactured to high-quality standards. This product is a consumable item and is warranted against defective parts and labor only, not against misuse or normal wear and tear.
For warranty claims, technical support, or to find service centers, please visit the official RYOBI website or contact customer service:

- **Website:** ryobitools.com/nation
- Refer to the operator's manual included with your product for specific contact information and detailed warranty terms.

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