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> BLACK+DECKER Multi-Saw Head ERS183 Instruction Manual

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Model: ERS183

1. PRODUCT OVERVIEW

The BLACK+DECKER Multi-Saw Head ERS183 is a versatile attachment designed for use with BLACK+DECKER multi-tool systems. It transforms your multi-tool into a powerful reciprocating saw, capable of cutting various materials with ease.

This head is ideal for tasks such as dismantling bulky waste, pruning garden trees, and general cutting applications in woodworking and metalworking.



Image 1.1: The BLACK+DECKER Multi-Saw Head ERS183 with a blade installed.

Key Features:

- **Dedicated Saw Head:** Specifically designed for BLACK+DECKER multi-tool systems.
- **Versatile Cutting:** Equipped with three types of blades for diverse cutting needs.
- **Applications:** Suitable for dismantling bulky waste, pruning garden trees, and various DIY cutting tasks.
- **Keyless Clamp:** Allows for quick and easy blade changes without additional tools.
- **Stroke Count:** 0-3200 strokes per minute for efficient cutting.

- **Stroke Length:** 20mm for effective material removal.

2. SAFETY INFORMATION

Always observe basic safety precautions when using power tools to reduce the risk of fire, electric shock, and personal injury. Read and understand all instructions before operating this product.

General Safety Warnings:

- **Work Area Safety:** Keep your work area clean and well-lit. Cluttered or dark areas invite accidents.
- **Electrical Safety:** Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- **Personal Safety:** Always wear appropriate personal protective equipment (PPE), including safety glasses, hearing protection, gloves, and a dust mask when necessary.
- **Secure Workpiece:** Always clamp or secure the workpiece to a stable platform. Holding the workpiece by hand or against your body can lead to loss of control and injury.
- **Avoid Accidental Starting:** Ensure the switch is in the off-position before connecting to a power source, picking up or carrying the tool.
- **Maintain Tool:** Keep cutting tools sharp and clean. Properly maintained tools with sharp cutting edges are less likely to bind and are easier to control.
- **Blade Handling:** Blades are sharp. Handle them with care. Always disconnect the power source before changing blades.

3. PACKAGE CONTENTS

The BLACK+DECKER Multi-Saw Head ERS183 package typically includes the following items:

- ERS183 Multi-Saw Head Unit
- Pruning Blade
- Woodworking Reciprocating Blade (10 TPI)
- Metal Reciprocating Blade (18 TPI)

Note: The main multi-tool body and battery are sold separately and are required for operation.

4. SETUP

4.1 Attaching the Saw Head to the Multi-Tool Body

1. Ensure the multi-tool body is powered off and the battery is removed for safety.
2. Align the ERS183 Multi-Saw Head with the multi-tool body's attachment point.
3. Push the saw head firmly onto the multi-tool body until it clicks securely into place. Verify that it is locked and cannot be easily pulled off.

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Video 4.1: Demonstration of attaching various heads, including the saw head, to the BLACK+DECKER multi-tool body. This video illustrates the modular design and ease of attachment for the ERS183.

4.2 Installing/Changing Blades

1. Ensure the multi-tool is powered off and the battery is removed.

2. Locate the keyless blade clamp on the front of the saw head.
3. To insert a blade, pull the blade clamp lever or rotate the collar (depending on the specific design) to open the clamp.
4. Insert the shank of the desired blade (wood, metal, or pruning) into the clamp opening until it is fully seated.
5. Release the blade clamp lever/collar to secure the blade. Gently pull on the blade to ensure it is firmly locked in place.
6. To remove a blade, repeat step 3 and pull the blade out.

5. OPERATING INSTRUCTIONS

Before operation, ensure the correct blade is installed for the material you intend to cut and that all safety precautions are followed.

5.1 General Operation

1. Attach the ERS183 Multi-Saw Head to your BLACK+DECKER multi-tool body and install the appropriate blade.
2. Insert the charged battery into the multi-tool body.
3. Hold the tool firmly with both hands. Position the shoe of the saw head against the workpiece.
4. Press the trigger to start the saw. Allow the blade to reach full speed before engaging the workpiece.
5. Guide the saw smoothly through the material, applying steady, moderate pressure. Do not force the tool.
6. Release the trigger to stop the saw. Wait for the blade to come to a complete stop before setting the tool down.

5.2 Specific Applications

Wood Cutting:

Use the woodworking reciprocating blade (10 TPI) for general wood cutting tasks. For rough cuts or pruning, the dedicated pruning blade is recommended.



Image 5.1: The ERS183 Multi-Saw Head being used for pruning a tree branch. The saw's design allows for effective cutting in various orientations.

Metal Cutting:

For cutting metal, install the metal reciprocating blade (18 TPI). Ensure the workpiece is securely clamped. Apply cutting oil if necessary to prolong blade life and improve cutting performance.

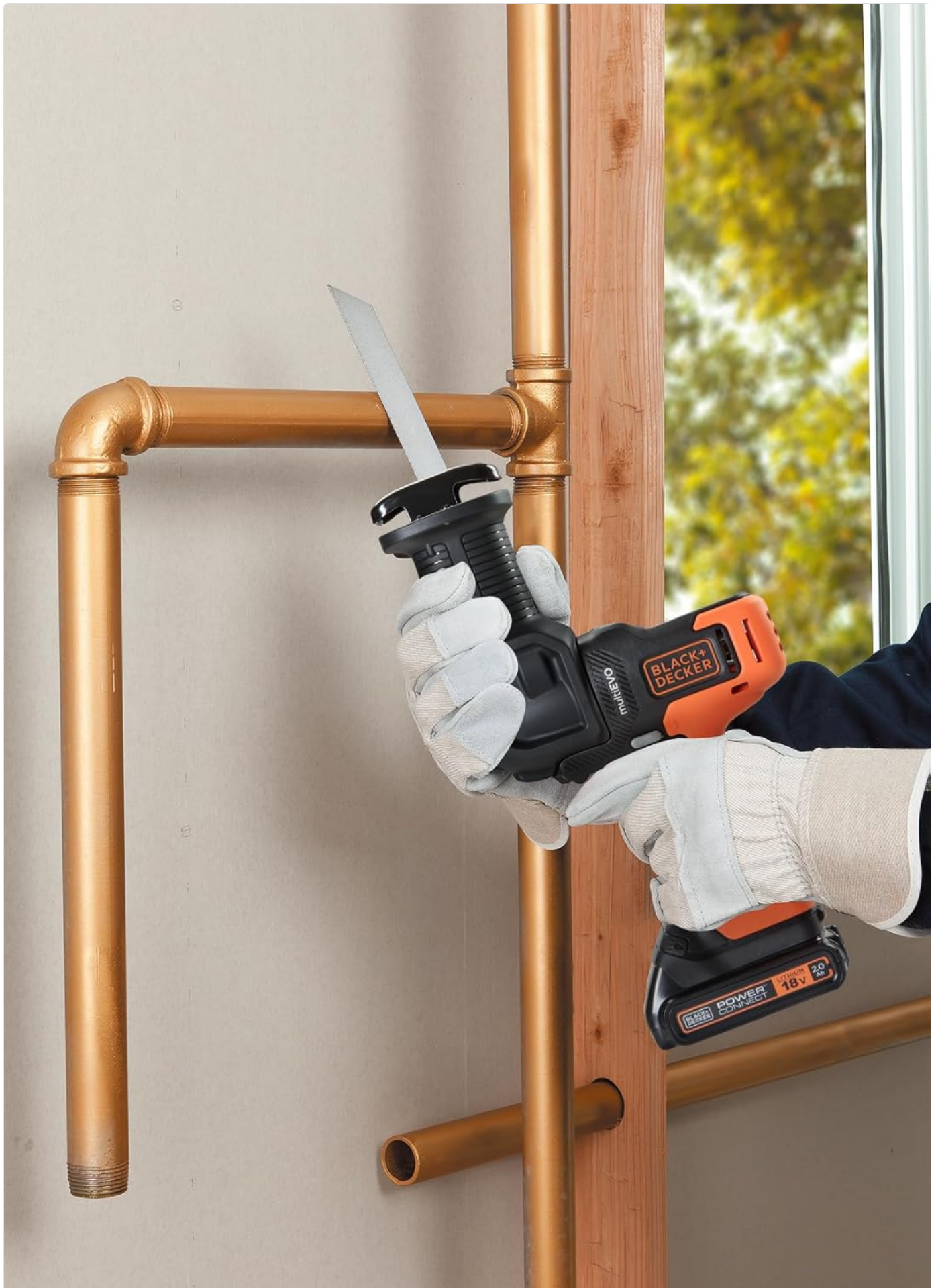


Image 5.2: The ERS183 Multi-Saw Head cutting metal pipes. This demonstrates its capability for metalworking tasks.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your ERS183 Multi-Saw Head.

6.1 Cleaning

- Always disconnect the saw head from the multi-tool body and remove the battery before cleaning.
- Use a clean, damp cloth to wipe down the exterior of the saw head. Do not use harsh chemicals or abrasive cleaners.
- Remove any sawdust, metal shavings, or debris from the blade clamp area and ventilation slots using a brush or compressed air.

6.2 Blade Care and Replacement

- Inspect blades before each use for sharpness, cracks, or damage. Replace dull or damaged blades immediately.
- Store blades in a dry, protected area to prevent rust and damage.
- Use only BLACK+DECKER approved replacement blades for optimal performance and safety.

6.3 Storage

- Store the saw head in a dry, secure location out of reach of children.
- Remove any blade from the saw head before long-term storage.

7. TROUBLESHOOTING

| Problem | Possible Cause | Solution |
|---------------------------------------|--|---|
| Saw head does not operate. | Battery not charged or improperly inserted. Saw head not securely attached. | Ensure battery is fully charged and correctly inserted. Re-attach saw head, ensuring it clicks into place. |
| Blade not cutting efficiently. | Dull or incorrect blade for material. Excessive pressure applied. | Replace with a sharp, appropriate blade. Reduce pressure and allow the blade to do the work. |
| Excessive vibration during operation. | Loose blade or saw head. Damaged blade. | Check blade and saw head for secure attachment. Replace damaged blade. |

8. SPECIFICATIONS

| Feature | Detail |
|---------------|----------------------------------|
| Model Number | ERS183 |
| Brand | BLACK+DECKER |
| Material | ABS Resin (Body), Metal (Blades) |
| Stroke Count | 0-3200 strokes/minute |
| Stroke Length | 20 mm |

| Feature | Detail |
|--------------------------------|----------------------|
| Clamp Type | Keyless Clamp |
| Recommended Use | Wood, Metal, Pruning |
| Product Dimensions (L x W x H) | 10 cm x 7 cm x 18 cm |
| Product Weight | 0.63 kg |
| Country of Origin | China |