LENOX B810R

LENOX Tools Bi-Metal Reciprocating Saw Blade Instruction Manual

Model: B810R

Product Overview

This manual provides essential information for the safe and effective use of the LENOX Bi-Metal Reciprocating Saw Blade, 8-inch, 10 TPI, 25-Pack (Model 20590B810R).
The LENOX Bi-Metal Reciprocating Saw Blades are engineered with T2 technology tooth design, which contributes to extended blade life and improved cutting performance on heavy materials. Their bi-metal construction ensures flexibility and resistance to breakage. These blades are designed to minimize friction and heat buildup, allowing them to cut through a wide variety of metal materials, as well as nail-embedded wood. The 10 teeth per inch (TPI) configuration is optimized for cutting thick metals, for metal demolition, and for fire and rescue applications.

Key Features:

- **Bi-metal construction:** Allows blades to bend and flex without breaking, enhancing durability.
- **8% cobalt edge:** Contributes to tough sharpness and extended blade life.
- **Shatterproof precision-milled teeth:** Ensures a more aggressive cut and high wear resistance.
- **T2 Technology:** Advanced tooth design for longer blade life and efficient cutting.

Setup and Installation

Proper installation of the reciprocating saw blade is crucial for safety and optimal performance. Always refer to your reciprocating saw's instruction manual for specific blade installation procedures.

1. **Safety First:** Ensure the reciprocating saw is unplugged or its battery is removed before attempting to install or remove any blade. Wear appropriate personal protective equipment, including safety glasses and gloves.
2. **Blade Selection:** Select the appropriate LENOX Bi-Metal Reciprocating Saw Blade (8-inch, 10 TPI) for your cutting application. This blade is suitable for thick metals, metal demolition, and nail-embedded wood.
3. **Blade Clamp Mechanism:** Locate the blade clamp mechanism on your reciprocating saw. This mechanism typically involves a lever, button, or twist collar that opens the blade receiver.
4. **Insert Blade:** Insert the tang (the non-toothed end) of the LENOX blade fully into the saw's blade receiver. Ensure the blade is seated firmly and correctly.

5. **Secure Blade:** Release the blade clamp mechanism to secure the blade in place. Gently pull on the blade to confirm it is locked and cannot be easily removed. A properly installed blade will not wobble or come loose during operation.
6. **Pre-Operation Check:** Before starting the saw, visually inspect the blade for any damage or misalignment. Ensure no debris is obstructing the blade or the blade clamp.

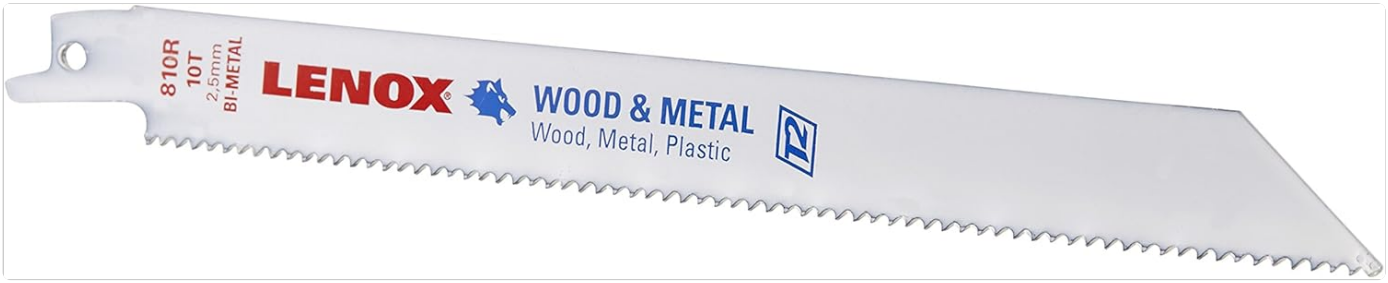


Figure 1: LENOX Bi-Metal Reciprocating Saw Blade (Model B810R). This image shows the full length of the 8-inch blade, highlighting its bi-metal construction and tooth design. The LENOX brand logo and "WOOD & METAL" designation are visible on the blade surface.

Operating Instructions

These blades are designed for use with reciprocating saws. Always follow the safety guidelines and operating procedures provided by your reciprocating saw manufacturer.

1. **Personal Protective Equipment (PPE):** Always wear safety glasses, hearing protection, and work gloves when operating a reciprocating saw with this blade.
2. **Material Compatibility:** This LENOX blade is optimized for cutting thick metals, metal demolition, and nail-embedded wood. Ensure the material you are cutting is compatible with the blade's specifications.
3. **Workpiece Securement:** Secure the workpiece firmly to prevent movement during cutting. Use clamps, a vise, or other appropriate methods.
4. **Starting the Cut:** Place the shoe of the reciprocating saw firmly against the workpiece. Start the saw before the blade makes contact with the material.
5. **Cutting Technique:** Apply steady, consistent pressure. Allow the blade to do the work; do not force the cut. Maintain a firm grip on the saw. For optimal blade life and cutting efficiency, use a slight orbital motion if your saw supports it, or a rocking motion to engage more teeth.
6. **Heat Management:** If cutting metal, consider using cutting fluid to reduce heat buildup and extend blade life. The bi-metal construction of these blades is designed to minimize heat, but external cooling can further improve performance on demanding cuts.
7. **Finishing the Cut:** Reduce pressure as you near the end of the cut to prevent kickback. Ensure the blade has completely stopped before removing it from the workpiece.

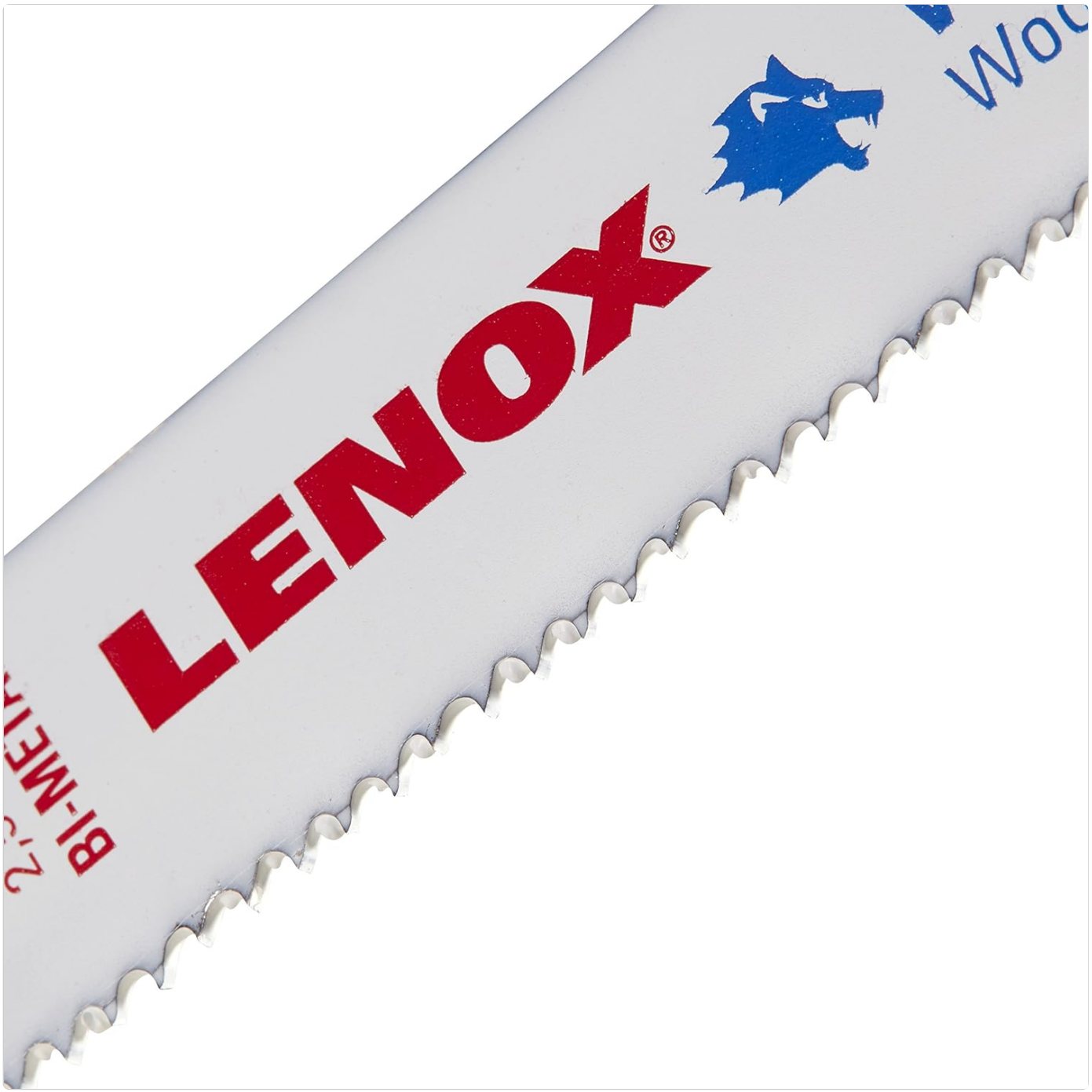


Figure 2: Close-up view of the LENOX Bi-Metal Reciprocating Saw Blade's teeth. This image highlights the precision-milled teeth and the bi-metal construction, which contribute to the blade's cutting efficiency and durability.

Maintenance

Proper maintenance of your LENOX reciprocating saw blades will ensure their longevity and continued performance.

- **Cleaning:** After each use, clean the blade to remove any accumulated debris, sawdust, or metal shavings. A stiff brush or compressed air can be used. Ensure the blade is dry before storage.
- **Inspection:** Regularly inspect blades for signs of wear, damage, or dullness. Look for bent teeth, cracks, or excessive wear on the cutting edge. A dull blade will reduce cutting efficiency and can put undue strain on your saw.
- **Storage:** Store blades in a dry environment to prevent rust. The original packaging or a dedicated blade storage case is recommended to protect the teeth from damage and to prevent accidental injury. Keep blades out of reach of children.
- **Disposal:** Dispose of worn or damaged blades responsibly according to local regulations. Dull blades can still be sharp enough to cause injury.

Troubleshooting

This section addresses common issues that may arise during the use of LENOX reciprocating saw blades.

Problem	Possible Cause	Solution
Blade not cutting efficiently or quickly.	Dull blade, incorrect blade for material, insufficient pressure, or saw speed too low.	Replace with a new LENOX blade. Ensure blade TPI matches material. Apply steady pressure. Adjust saw speed if applicable.
Blade bending or breaking.	Excessive force, cutting incompatible material, or blade overheating.	Reduce force. Ensure blade is suitable for material. Use cutting fluid for metal. Allow blade to cool.
Excessive vibration or noise.	Loose blade, damaged blade, or worn saw components.	Ensure blade is securely installed. Replace damaged blade. Inspect saw for issues.
Blade getting stuck in workpiece.	Workpiece not secured, blade binding due to kerf closing, or forcing the cut.	Secure workpiece. Use wedges if necessary to keep kerf open. Do not force the cut.

Specifications

Detailed specifications for the LENOX Bi-Metal Reciprocating Saw Blade (Model B810R).

Brand: LENOX

Model Number: B810R (Part Number: 20590B810R)

Style: 8-Inch, 10 TPI, 25-Pack

Blade Length: 8 Inches (200mm)

Teeth Per Inch (TPI): 10

Material: Bi-Metal (with 8% Cobalt Edge)

Thickness: 0.05 Inches (1.27mm)

Compatible Materials: Thick metals, metal demolition, nail-embedded wood, general wood, plastic.

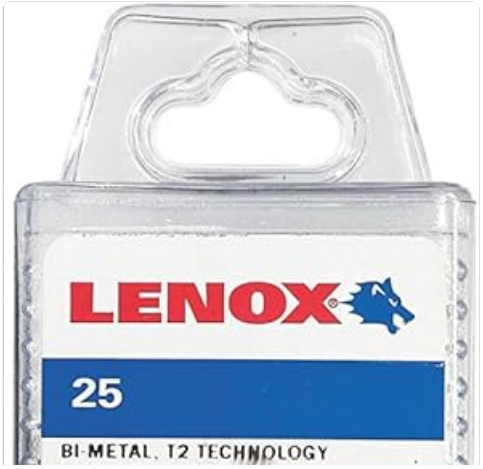
Package Quantity: 25 blades per pack

Approximate Item Weight (per pack): 45.4 g

Product Dimensions (packaging): Approximately 25 x 4.8 x 3 cm

Manufacturer: Stanley Black and Decker

UPC: 082472205909, 082472205589



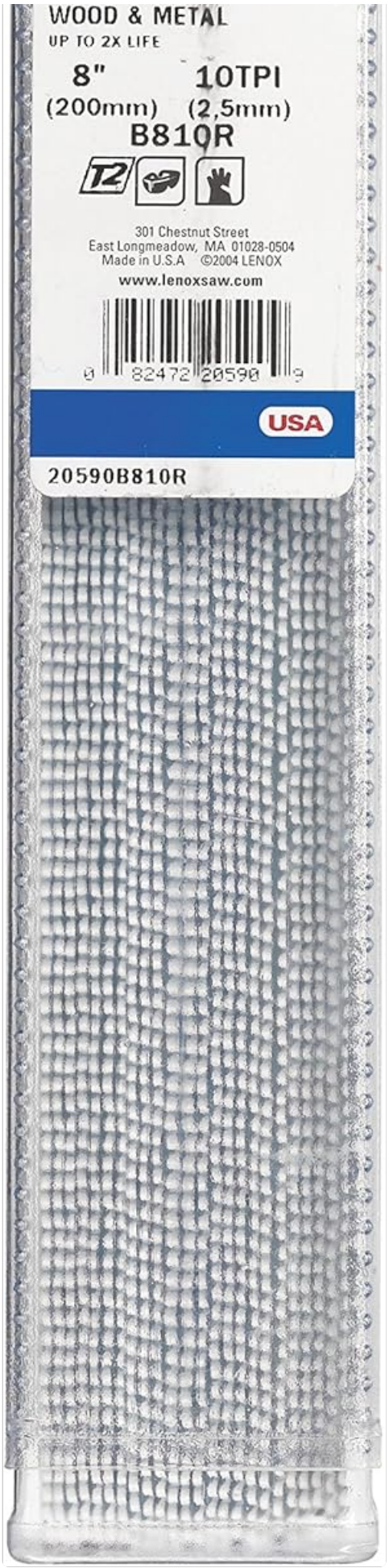


Figure 3: Retail packaging for the LENOX Bi-Metal Reciprocating Saw Blade 25-Pack. The packaging displays key product information such as blade length, TPI, and quantity, along with the LENOX branding.

Warranty and Support

For information regarding product warranty, technical support, or to inquire about specific applications, please contact LENOX customer service or visit their official website.

While specific warranty details are not provided in this manual, LENOX is known for manufacturing high-quality tools and accessories. Any claims regarding defects in material or workmanship should be directed to the manufacturer.

Manufacturer: Stanley Black and Decker

Place of Business: East Longmeadow, MA 01028, US

For the most current support information, please refer to the official LENOX website or contact their customer service department directly.

Related Documents - B810R

	Lenox 14830TS12 Manual Tight Space Tubing Cutter, 1/2 in - Product Overview Detailed information on the Lenox 14830TS12 Manual Tight Space Tubing Cutter, 1/2 in. Features include optimized blade geometry, compact design for tight spots, and stainless steel rollers. Suitable for cutting copper and soft tubing.
	Lenox BCD120 Bluetooth Turntable CD Recorder Music System: Instruction Manual Explore the features of the Lenox BCD120 Bluetooth Turntable CD Recorder Music System with this official instruction manual. Learn setup, operation, recording, and troubleshooting for vinyl, CD, cassette, USB, and Bluetooth.
	LENOX MF550 40cm Misting Pedestal Fan User Manual Comprehensive user manual for the LENOX MF550 40cm Misting Pedestal Fan. Includes assembly instructions, operation guide, safety precautions, cleaning, maintenance, and troubleshooting tips for optimal household use.

	[LENOX M Pedicure Spa Chair: Luxury and Comfort] Discover the LENOX M Pedicure Spa Chair by J&A Inc., offering a refined experience with luxurious design, advanced Shiatsu massage, and exceptional comfort for the most elegant salons.
	[LENOX SNAP-BACK™ Quick Change Hole Saw Arbors & Pilot Drills | Product Guide] Explore the LENOX SNAP-BACK™ system for quick and easy hole saw changes. Features tool-free bit change, anti-jam collar, and universal compatibility for arbors and pilot drills. Includes product specifications and cross-reference information.