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› BLACK+DECKER 16270 Screw Extractor Set - Instruction Manual

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Model: 16270

INTRODUCTION

This instruction manual provides essential information for the safe and effective use of your BLACK+DECKER 16270 5-Piece Screw Extractor Set. Please read this manual thoroughly before operation and retain it for future reference.



Image: The BLACK+DECKER 16270 Screw Extractor Set, showing the five extractors in their clear plastic packaging with the BLACK+DECKER branding.

PRODUCT OVERVIEW

The BLACK+DECKER 16270 Screw Extractor Set is designed for the removal of broken or stripped screws and bolts. This 5-piece set includes the most commonly used sizes for various applications.

Contents:

- (1) Screw Extractor 5/64-inch
- (1) Screw Extractor 7/64-inch
- (1) Screw Extractor 5/32-inch
- (1) Screw Extractor 1/4-inch
- (1) Screw Extractor 9/32-inch

Key Features:

- Constructed from durable alloy steel for longevity.
- Designed for effective removal of damaged fasteners.
- Compact storage case for easy organization and transport.

SAFETY INFORMATION

Always wear appropriate personal protective equipment (PPE), including safety glasses, when using screw extractors. Ensure the workpiece is securely clamped. Use caution to avoid injury from sharp edges or rotating tools.

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

OPERATING INSTRUCTIONS

Follow these steps for effective screw extraction:

- 1. Prepare the Fastener:** If the screw head is broken off, ensure the surface is flat. If the head is stripped, attempt to clean out any debris.
- 2. Drill a Pilot Hole:** Select a drill bit slightly smaller than the screw extractor you intend to use. Drill a pilot hole into the center of the damaged screw. The depth of the hole should be sufficient to allow the extractor to grip. For best results, use a drill press to ensure the hole is straight and centered.
- 3. Insert the Extractor:** Choose the appropriate size screw extractor from the set. The extractor should fit snugly into the pilot hole.
- 4. Engage the Extractor:** Insert the extractor into the pilot hole. Using a tap wrench or a suitable wrench, turn the extractor counter-clockwise. The reverse threads on the extractor will bite into the screw material.
- 5. Extract the Screw:** Continue to turn the extractor slowly and steadily counter-clockwise. The screw should begin to loosen and back out. Apply consistent pressure.
- 6. Remove the Extractor:** Once the screw is removed, carefully unthread the extractor from the screw.

Tip: For very stubborn screws, apply a penetrating oil to the screw threads and allow it to soak for some time before attempting extraction.

MAINTENANCE

To ensure the longevity and performance of your screw extractor set:

- Cleaning:** After each use, wipe the extractors clean of any debris or metal shavings.
- Storage:** Store the extractors in their original compact storage case in a dry environment to prevent rust and damage.
- Inspection:** Periodically inspect the extractors for signs of wear, damage, or dullness. Replace any damaged extractors to ensure optimal performance and safety.
- Lubrication:** A light coat of oil can be applied to the extractors if they are to be stored for extended periods in humid conditions.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Extractor slips or does not grip	Pilot hole too large or not deep enough; incorrect extractor size; screw material too hard.	Ensure pilot hole is correct size and depth. Select a smaller extractor if necessary. Consider using a harder drill bit for pilot hole.

Problem	Possible Cause	Solution
Extractor breaks	Excessive force applied; extractor not properly seated; screw is seized.	Apply steady, even pressure. Ensure extractor is fully seated. Apply penetrating oil to seized screws. Avoid sudden jerking motions.
Screw does not turn	Screw is seized or rusted; insufficient torque.	Apply penetrating oil and allow to soak. Increase torque gradually using a suitable wrench. Heat may be applied carefully to the surrounding material (if safe).

SPECIFICATIONS

Feature	Detail
Model Number	16270
Number of Pieces	5
Material	Alloy Steel, Blend
Included Sizes	5/64 in, 7/64 in, 5/32 in, 1/4 in, 9/32 in
Item Weight	0.3 Pounds (approx. 4.8 ounces)
Product Dimensions (L x W x H)	3 x 4 x 7 inches (packaging)

WARRANTY INFORMATION

This BLACK+DECKER product comes with a **2 Year warranty**. For specific terms and conditions, please refer to the warranty card included with your purchase or visit the official BLACK+DECKER website. This warranty typically covers defects in material and workmanship under normal use.

CUSTOMER SUPPORT

For technical assistance, replacement parts, or warranty claims, please contact BLACK+DECKER customer support. Visit the official BLACK+DECKER website for the most up-to-date contact information and support resources.

Online Resources: www.blackanddecker.com

