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Lisle 82400

Lisle 82400 5 Piece Mortorq Bit Set Instruction Manual

Model: 82400 | Brand: Lisle

1. INTRODUCTION

This manual provides instructions for the proper use and maintenance of the Lisle 82400 5 Piece Mortorq Bit Set. This specialized tool set is designed for the removal and installation of MORTORQ fasteners, commonly found in various automotive applications including Chrysler, GM, Jeep, and other models. Adherence to these instructions will ensure safe and effective operation of the tool set.

2. PRODUCT OVERVIEW

The Lisle 82400 Mortorq Bit Set includes five pieces, each crafted from heat-treated alloy steel for durability. The set is designed for use with a 3/8-inch square drive and comes with a convenient vinyl holder for organized storage. The included bit sizes are MTS-0, MTS-1, MTS-2, MTS-3, and MTS-4.



Image 1: The Lisle 82400 5 Piece Mortorq Bit Set, showcasing the five bits in their vinyl storage holder.

3. SETUP AND PREPARATION

1. **Identify Fastener Type:** Ensure the fastener you intend to work with is a MORTORQ type. These bits are specifically designed for this fastener profile.
2. **Select Correct Bit Size:** Choose the appropriate Mortorq bit (MTS-0, MTS-1, MTS-2, MTS-3, or MTS-4) that precisely fits the fastener head. A snug fit is crucial to prevent stripping the fastener or damaging the bit.
3. **Attach to Drive Tool:** Insert the selected Mortorq bit into a 3/8-inch square drive tool, such as a ratchet or torque wrench. Ensure the bit is securely seated in the drive.

4. OPERATING INSTRUCTIONS

Follow these steps for effective removal or installation of MORTORQ fasteners:

1. **Position the Bit:** Place the selected Mortorq bit squarely into the fastener head. Apply firm, steady pressure to ensure full engagement.
2. **Apply Torque:**



Image 2: A hand operating a ratchet with a Lisle Mortorq bit, engaging a fastener in an automotive interior. This demonstrates the application of the tool for removal or installation.

For removal, turn the drive tool counter-clockwise. For installation, turn clockwise. Apply smooth, consistent torque. Avoid sudden jerking motions, which can damage the fastener or the bit.

3. **Monitor Fastener Condition:** If the fastener feels excessively tight or resistant, do not force it. Re-check the bit size and ensure proper engagement. For stubborn fasteners, consider using penetrating oil or other appropriate methods before applying more torque.
4. **Complete the Task:** Continue turning until the fastener is fully removed or tightened to the manufacturer's specified torque.

5. MAINTENANCE AND STORAGE

- **Cleaning:** After each use, wipe the bits clean with a dry cloth to remove any dirt, grease, or debris.
- **Lubrication:** Periodically apply a light coat of rust-preventative oil to the bits, especially if storing them in a humid environment.
- **Inspection:** Regularly inspect the bits for signs of wear, damage, or corrosion. Replace any damaged bits to ensure optimal performance and prevent fastener damage.
- **Storage:** Store the Mortorq bit set in its provided vinyl holder in a dry, secure location, away from excessive moisture and extreme temperatures.

6. TROUBLESHOOTING

- **Bit Slips or Strips Fastener:** This usually indicates an incorrect bit size or improper engagement. Ensure the bit is fully seated and matches the fastener size precisely. Avoid using worn bits.
- **Fastener Will Not Loosen/Tighten:** If the fastener is seized or overtightened, apply penetrating oil and allow it to soak. For extremely stubborn fasteners, professional assistance may be required. Do not apply excessive force that could break the bit or fastener.
- **Bit Breaks:** While made from durable alloy steel, bits can break under extreme stress or improper use. Ensure you are using the correct size and applying appropriate torque. Replace broken bits immediately.

7. SPECIFICATIONS

Feature	Detail
Brand	Lisle
Model Number	82400
Material	Alloy Steel
Number of Pieces	5
Bit Sizes Included	MTS-0, MTS-1, MTS-2, MTS-3, MTS-4
Drive System	3/8" Square Drive
Bit Compatibilities	MORTORQ fasteners
Item Weight	10.1 ounces
Product Dimensions	10.5 x 4.5 x 0.5 inches
Storage	Vinyl Holder

For warranty information or further support, please refer to the official Lisle product packaging or visit the [Lisle Store on Amazon](#).



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