

Kobalt 5996330

Kobalt Stubby 50-Piece Standard (SAE) and Metric Mechanics Tool Set User Manual

Model: 5996330

1. INTRODUCTION

This manual provides essential instructions for the safe and effective use, maintenance, and care of your Kobalt Stubby 50-Piece Standard (SAE) and Metric Mechanics Tool Set. Please read this manual thoroughly before using the tools and retain it for future reference.

The set includes a variety of tools designed for mechanical tasks, featuring a double-sided stubby ratchet, metric and SAE sockets, a magnetic bit driver, insert bits, and an adjustable wrench, all housed in a durable case.

2. SAFETY INFORMATION

Always observe the following safety precautions to prevent injury and damage to the tools:

- Wear appropriate personal protective equipment, such as safety glasses, when using hand tools.
- Ensure the correct size and type of tool is selected for the task to avoid slippage or damage.
- Do not use tools that are damaged or worn. Inspect tools before each use.
- Keep tools clean and free from grease or oil to maintain a secure grip.
- Store tools securely in their case when not in use to prevent loss and damage.
- Keep children and unauthorized persons away from tools.

3. PACKAGE CONTENTS

Your Kobalt Stubby 50-Piece Mechanics Tool Set includes the following components:



Image 1: The complete Kobalt Stubby 50-Piece Mechanics Tool Set, neatly organized within its clear-lid hard case.

- One (1) Double-sided 1/4 x 3/8-inch drive stubby ratchet with comfort grip.
- Twenty-six (26) 1/4-inch and 3/8-inch drive metric and SAE sockets.
- One (1) Stubby magnetic bit driver with comfort grip.
- Twenty (20) Insert bits and adapter.
- One (1) Stubby adjustable wrench with comfort grip.
- One (1) Clear-lid hard case for storage.

4. SETUP

The Kobalt Stubby 50-Piece Mechanics Tool Set is designed for immediate use. No assembly is required. Simply open the clear-lid case to access the tools.

Before first use, familiarize yourself with the location and type of each tool within the case. The sockets are clearly marked for easy identification.

5. OPERATING INSTRUCTIONS

5.1 Using the Ratchet and Sockets



Image 2: A selection of 1/4-inch and 3/8-inch drive sockets, available in both metric and SAE sizes.



Image 3: Visual indicators for SAE (Standard American English) and Metric socket measurements.



Image 4: The Kobalt Pro90 Ratchet, illustrating its minimal 4-degree swing arc for use in confined spaces.



Image 5: Detail of the 6-point socket design, suitable for both SAE and Metric fasteners, designed to prevent rounding.

1. **Select the Correct Socket:** Identify whether the fastener is SAE (Standard) or Metric and choose the corresponding socket size. The sockets are hard-stamped for easy identification.
2. **Attach to Ratchet:** Press the socket firmly onto the square drive of the stubby ratchet. Ensure it clicks into place securely.
3. **Engage Fastener:** Place the socket squarely onto the fastener head. The 6-point design helps prevent slippage.
4. **Operate Ratchet:** Use the directional switch on the ratchet head to select tightening or loosening. Apply steady pressure to turn the fastener. The ratchet's 4-degree swing arc allows for use in tight spaces.
5. **Remove Socket:** Press the quick-release button (if present) or pull the socket off the ratchet drive.

5.2 Using the Magnetic Bit Driver and Insert Bits

1. **Select Bit:** Choose the appropriate insert bit for the screw head (e.g., Phillips, flathead, Torx).
2. **Insert Bit:** Place the selected bit into the magnetic tip of the stubby bit driver. The magnetic feature will hold the bit securely.
3. **Drive Screw:** Position the bit onto the screw head and turn the driver handle to tighten or loosen the screw.

5.3 Using the Adjustable Wrench

1. **Adjust Jaw:** Rotate the knurled adjustment screw to open or close the wrench jaws until they fit snugly around the fastener.
2. **Apply Force:** Ensure the wrench jaws are fully engaged with the fastener. Apply force in the direction that tightens the fixed jaw onto the fastener to prevent slippage.

6. MAINTENANCE

Proper maintenance ensures the longevity and performance of your tool set:

- **Cleaning:** After each use, wipe down tools with a clean, dry cloth to remove dirt, grease, and moisture. For stubborn grime, a mild degreaser can be used, followed by thorough drying.
- **Lubrication:** Periodically apply a light coat of machine oil to the moving parts of the ratchet and adjustable wrench to ensure smooth operation and prevent corrosion.
- **Storage:** Always store the tools in their original hard case in a dry environment. The clear lid allows for quick inventory checks.
- **Inspection:** Regularly inspect tools for signs of wear, damage, or corrosion. Replace any damaged tools immediately.

7. TROUBLESHOOTING

Most issues with hand tools can be resolved with proper usage and maintenance. Here are some common scenarios:

Problem	Possible Cause	Solution
Socket slips on fastener	Incorrect socket size; Worn fastener head; Damaged socket.	Ensure correct socket size is used. Replace worn fasteners. Inspect and replace damaged sockets.
Ratchet mechanism sticks or feels rough	Lack of lubrication; Dirt or debris inside mechanism.	Clean the ratchet head and apply a small amount of light machine oil.
Bit driver bits fall out	Weak magnet; Incorrect bit size.	Ensure bits are fully seated. If magnet is weak, contact support.

8. SPECIFICATIONS

**EXCEEDS
ANSI
STANDARDS**

Image 6: The Kobalt Stubby Tool Set meets or exceeds ANSI (American National Standards Institute) specifications for quality and performance.

- **Model Number:** 5996330
- **Set Pieces:** 50
- **Drive Sizes:** 1/4-inch, 3/8-inch
- **Socket Types:** SAE (Standard American English) and Metric
- **Socket Design:** 6-point
- **Material:** Chrome Vanadium Steel (sockets), Alloy Steel (general)
- **Finish:** Polished Chrome
- **Case Dimensions:** Approximately 7 inches (H) x 10 inches (W) x 2 inches (D)
- **Weight:** Approximately 2 pounds
- **Standards:** Meets or exceeds ANSI specifications

9. WARRANTY AND SUPPORT

For information regarding warranty coverage, product support, or replacement parts, please refer to the manufacturer's official website or contact their customer service department. Keep your purchase receipt as proof of purchase.

