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## Tactix 900171

# Tactix 900171 71-Piece Bit Set with Ratchet Screwdriver Instruction Manual

Model: 900171

Introduction Product Overview Package Contents Setup Operating Instructions Maintenance Troubleshooting Specifications Warranty & Support

## 1. Introduction

Thank you for choosing the Tactix 900171 71-Piece Bit Set with Ratchet Screwdriver. This comprehensive kit is designed to provide a wide variety of bits for numerous fastening applications, ensuring you have the right tool for the job. This manual provides essential information for the safe and effective use, setup, operation, and maintenance of your new bit set.
Please read this manual thoroughly before using the product and retain it for future reference.

## 2. Product Overview

The Tactix 71-piece bit set is a versatile collection of screwdriver bits and a bonus ratchet screwdriver. It is engineered to handle a broad range of tasks, from general household repairs to more specialized applications requiring security bits. The ergonomic design of the ratchet screwdriver ensures comfortable use and efficient power transfer.



Figure 2.1: Tactix 71-piece Bit Set in its closed storage case.

### Key Features:

- **70 Assorted Bits:** Includes 59 one-inch bits, 10 two-inch bits, and a 1/4 inch drive socket adapter.
- **Security Bits:** Features 10 tamper-proof security bits for specialized fasteners.
- **3-Way Ratchet Screwdriver:** Allows for forward, reverse, and locked positions for efficient operation.
- **Ergonomic Grip:** Designed for comfortable handling and reduced user fatigue.
- **Secure Bit Storage:** 14 integrated bit holders keep bits organized and easily accessible within the kit.

## 3. Package Contents

Verify that all items listed below are present in your package. If any items are missing or damaged, please contact Tactix customer support.




Figure 3.1: Tactix 71-piece Bit Set with case open.

### Included Components:

- 1 x 3-Way Ratchet Screwdriver
- 1 x 1/4 inch Drive Socket Adapter
- **70 Screwdriver Bits, including:**
  - **Slotted:** 1/8, 5/32, 3/16, 7/32, 1/4 inch
  - **Phillips (Posi):** #0, #1, #2 (x2), #3
  - **Square:** #0, #1, #2, #3
  - **Hex:** 1/16, 3/32, 7/64, 1/8 (x2), 9/64, 5/32, 3/16, 7/32, 1/4 inch

    - **Tamper-Proof Security Bits:** 10 assorted types
- 14 x Bit Holders (integrated into the case)

## 4. Setup

The Tactix 71-piece bit set is designed for immediate use with minimal setup required. Follow these steps to prepare your screwdriver for operation.

### 4.1 Inserting a Bit

1. Select the appropriate bit for your fastening task from the bit holders in the case.
2. Locate the bit receiver at the end of the ratchet screwdriver.
3. Firmly insert the hexagonal base of the chosen bit into the bit receiver until it is securely seated.




Figure 4.1: Ratchet screwdriver with an inserted bit.

### 4.2 Removing a Bit

1. Grasp the inserted bit firmly.
2. Pull the bit straight out of the receiver.
3. Return the bit to its designated holder in the storage case.

## 5. Operating Instructions

The Tactix ratchet screwdriver features a 3-way mechanism for versatile operation. Familiarize yourself with these settings before use.

### 5.1 Ratchet Mechanism

The ratchet screwdriver has a selector switch located near the bit receiver. This switch allows you to choose between three modes:

- **Forward (Clockwise):** For tightening screws. The screwdriver will only turn the bit when rotated clockwise.
- **Reverse (Counter-clockwise):** For loosening screws. The screwdriver will only turn the bit when rotated counter-clockwise.
- **Lock:** The screwdriver shaft is locked in place, functioning as a traditional fixed screwdriver. This setting is useful for initial breaking loose of tight fasteners or for final tightening where precise torque is needed.




Figure 5.1: Ratchet screwdriver with selector switch visible.

### 5.2 General Usage Tips

- Always select the correct bit size and type for the fastener to prevent damage to the fastener head or the bit.
- Apply firm, steady pressure to the screwdriver while turning to prevent cam-out (the bit slipping out of the fastener head).
- For very tight screws, use the 'Lock' position to apply initial torque, then switch to 'Reverse' for faster removal.
- Ensure the bit is fully seated in the screwdriver and the fastener head before applying force.

## 6. Maintenance

Proper maintenance will extend the life of your Tactix bit set and ensure optimal performance.

### 6.1 Cleaning

- After each use, wipe down the screwdriver handle and bits with a clean, dry cloth to remove dirt, grease, or debris.
- For stubborn grime, a slightly damp cloth with mild soap can be used, followed by thorough drying.
- Do not use abrasive cleaners or solvents, as these can damage the materials.

### 6.2 Storage

- Always store the bits in their designated holders within the provided case to prevent loss and keep them organized.
- Store the entire set in a dry environment, away from direct sunlight and extreme temperatures, to prevent corrosion and material degradation.
- Keep out of reach of children.

## 7. Troubleshooting

This section addresses common issues you might encounter with your bit set.

### 7.1 Bit Slipping from Fastener Head (Cam-out)

- **Cause:** Incorrect bit size, insufficient pressure, or worn bit/fastener head.
- **Solution:** Ensure you are using the correct bit size and type for the fastener. Apply firm, consistent downward pressure while turning. If the bit or fastener head is worn, replace them.

### 7.2 Ratchet Mechanism Not Engaging

- **Cause:** Selector switch is in the 'Lock' position or debris is obstructing the mechanism.
- **Solution:** Check the selector switch and ensure it is set to 'Forward' or 'Reverse'. If the issue persists, gently clean around the switch area to remove any potential obstructions.

### 7.3 Bits Difficult to Insert/Remove

- **Cause:** Dirt or debris in the bit receiver, or minor manufacturing tolerances.
- **Solution:** Clean the bit receiver with a small brush or compressed air. Ensure bits are inserted straight and firmly. A small amount of dry lubricant (e.g., graphite) can be applied to the bit shank if needed.

## 8. Specifications

| Feature | Detail |
|---|---|
| Brand | Tactix |
| Model Name | 71 Piece Bit Set |
| Model Number | 900171 |
| Number of Items | 1 (set) |
| Material | Chrome Vanadium Steel |
| Head Style | Flat, Hex, Square, Phillips (Posi), Security |
| Special Feature | Ergonomic Grip, 3-Way Ratchet |
| Item Dimensions (L x W x H) | 12.6 x 14.17 x 9.84 inches |

## 9. Warranty & Support

Specific warranty information for the Tactix 900171 71-Piece Bit Set is not provided in this manual. For details regarding warranty coverage, terms, and conditions, please refer to the documentation included with your purchase or contact Tactix customer support directly.

### Customer Support:

For technical assistance, replacement parts, or any questions regarding your Tactix product, please visit the official Tactix website or contact their customer service department. Contact information can typically be found on the product packaging or the manufacturer's website.

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