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SK 848

SK Tools USA 3/8-inch Drive 9/16-inch Deep Twist TurboSocket Model 848 Instruction Manual

1. Product Overview

The SK Tools USA 3/8-inch Drive 9/16-inch Deep Twist TurboSocket, Model 848, is a specialized tool engineered for the efficient removal of damaged, rounded, or stubborn fasteners. Its unique design allows it to grip fasteners that conventional sockets or screwdrivers cannot, making it an essential addition to any toolkit.

This TurboSocket is particularly effective for extracting fasteners such as:

- Slotted and Phillips head screws that are too tight or stripped.
- Nuts and bolts with very thin, rounded, or tapered heads.
- Problem fasteners like corroded marine nuts and bolts, oil pan plugs, and manifold nuts.



A close-up view of the SK Tools USA 3/8 inch Drive 9/16 inch Deep Twist TurboSocket, showing its deep socket design and markings.

2. Setup and Preparation

Before using the TurboSocket, ensure you have the appropriate 3/8-inch drive tool (e.g., ratchet, breaker bar, impact wrench) for your application. The TurboSocket is designed to be used with standard 3/8-inch square drive tools.

1. **Select the Correct Tool:** Choose a 3/8-inch drive tool that provides sufficient leverage and control for the fastener you intend to remove.
2. **Attach the TurboSocket:** Firmly press the square drive end of the TurboSocket onto the drive anvil of your chosen tool until it clicks into place or is securely seated.
3. **Inspect Fastener:** Ensure the fastener to be removed is within the 9/16-inch size range for this specific TurboSocket.

3. Operating Instructions

The SK TurboSocket's internal helical flutes are designed to bite into the head of a damaged fastener, providing superior grip for removal.

1. **Position the Socket:** Place the TurboSocket squarely over the head of the damaged fastener. Apply firm, even pressure to ensure the socket engages fully with the fastener's head.
2. **Rotate to Engage:** Slowly rotate the drive tool counter-clockwise (for standard right-hand threads) while maintaining downward pressure. The internal flutes of the TurboSocket will progressively grip the fastener.
3. **Apply Torque:** Once the socket has firmly engaged, apply steady, increasing torque to loosen and remove the fastener. Avoid sudden jerking motions, which can cause the socket to slip or further damage the fastener.
4. **Remove Fastener:** Continue rotating until the fastener is completely loose and can be removed.

Important: Always wear appropriate personal protective equipment, such as safety glasses, when using hand tools.

4. Maintenance

Proper maintenance ensures the longevity and performance of your SK TurboSocket.

- **Cleaning:** After each use, wipe the socket clean with a dry cloth to remove dirt, grease, and debris. For stubborn grime, use a mild solvent and a brush, then dry thoroughly.
- **Lubrication:** Periodically apply a light coat of oil to the exterior of the socket to prevent rust, especially if stored in humid conditions.
- **Storage:** Store the TurboSocket in a dry environment, preferably in a tool tray or box, to protect it from impact and corrosion.
- **Inspection:** Regularly inspect the internal flutes for wear or damage. A worn socket may lose its gripping ability. Replace if significant wear is observed.

5. Troubleshooting

- **Socket Slips on Fastener:**
  - Ensure the socket is fully seated and centered on the fastener.
  - Apply more downward pressure while rotating.
  - Verify the fastener size matches the socket size.
  - Inspect the socket's internal flutes for excessive wear.

- **Fastener Remains Stuck:**
  - Apply penetrating oil to the fastener threads and allow time for it to work.
  - Use a longer breaker bar or impact wrench for increased torque, if appropriate for the fastener and tool.
  - Consider applying heat to the surrounding material (if safe and appropriate for the application) to expand it, then attempt removal.

6. Specifications

Feature	Specification
Brand	SK
Part Number	848
Item Model Number	848
Drive Size	3/8 inch
Socket Size	9/16 inch
Finish Type	Oil
Number of Pieces	1
Item Weight	1.92 ounces
Product Dimensions	2.38 x 0.81 x 0.81 inches
UPC	025141008487

7. Warranty and Support

SK Tools USA is committed to providing quality, precision-crafted tools that are built to last. This product is backed by a lifetime warranty, reflecting the brand's confidence in its durability and performance.

For warranty claims, technical support, or further assistance, please visit the official SK Tools website or contact their customer service department. You can also find more information and other SK Tools products at the SK Store on Amazon.

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