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Performance Tool M909

Performance Tool M909 9mm Impact Socket Instruction Manual

Model: M909 | Brand: Performance Tool

1. PRODUCT OVERVIEW

The Performance Tool M909 9mm Impact Socket is engineered for demanding applications, offering exceptional strength and durability. Constructed from Drop Forged Chrome Vanadium Steel, this 3/8" drive socket is designed for a secure grip and long-lasting performance in automotive, construction, and general repair tasks.

Key Features:

- **Strength and Durability:** Crafted from Drop Forged Chrome Vanadium Steel for heavy-duty applications.
- **Tighter Grip:** Rounded corners provide a secure fit, enhancing safety and precision.
- **Easy Identification:** Features Large Size Laser Etching for quick identification in a toolbox.
- **Versatile Applications:** Suitable for automotive, construction, and home repairs.
- **Long-Lasting Performance:** Built from high-quality materials for extended reliability.





Figure 1: Performance Tool M909 9mm Impact Socket. This image shows the black impact socket with "9mm PT M909 CR-V" laser-etched on its side.

2. INITIAL SETUP

Before first use, the socket may be attached to a hang tab for retail display. Follow these steps to safely remove the hang tab:

1. **Prepare Tools:** Obtain a pair of cutting pliers. Always wear safety glasses when using tools to prevent eye injury.
2. **Snip Plastic:** Carefully use the cutting pliers to snip the plastic hang tab directly above the "Close/Open" icons located on the socket's base. This cut should be made along the indicated line to release the main portion of the hang tab.
3. **Twist and Remove:** Once the initial cut is made, twist the remaining portion of the hang tab 90 degrees counterclockwise. This action will disengage the tab from the socket.
4. **Pull Up:** Gently pull the hang tab upwards to completely remove it from the socket. The socket is now ready for use.

Your browser does not support the video tag.

Video 1: Instructions on how to safely remove the anti-theft hang tab from a Performance Tool socket using cutting pliers. This video demonstrates the three-step process of snipping, twisting, and pulling to free the socket from its packaging.

3. OPERATING INSTRUCTIONS

The M909 9mm Impact Socket is designed for use with a 3/8" drive impact wrench or ratchet. Ensure the drive size matches your tool for proper and safe operation.

1. **Select Correct Size:** Verify that the 9mm socket size matches the fastener you intend to work with. Using an incorrect size can damage both the fastener and the socket.
2. **Attach to Drive Tool:** Firmly attach the 3/8" square drive end of the socket onto the corresponding drive anvil of your impact wrench or ratchet. Ensure it is fully seated and secure.
3. **Position on Fastener:** Place the socket squarely onto the head of the fastener (nut or bolt). Ensure the socket is fully engaged with the fastener to prevent stripping.
4. **Apply Force:**
 - For impact wrenches: Activate the impact wrench to loosen or tighten the fastener.
 - For ratchets: Turn the ratchet handle in the desired direction (clockwise for tightening, counter-clockwise for loosening).
5. **Remove Socket:** Once the task is complete, remove the socket from the fastener and then from the drive tool.

Safety Note: Always wear appropriate personal protective equipment, including safety glasses and gloves, when operating power tools and handling fasteners. Avoid using damaged sockets, as they can fail and cause injury.





Figure 2: A mechanic using an impact wrench fitted with a socket to work on a car wheel. This illustrates the typical application of an impact socket for automotive tasks.



Figure 3: A mechanic using an impact wrench with a socket to access components under a vehicle. This demonstrates the versatility of the socket for various repair scenarios.

4. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Performance Tool M909 Impact Socket.

- **Cleaning:** After each use, wipe the socket clean with a dry cloth to remove dirt, grease, and debris. For stubborn grime, a mild degreaser can be used, followed by thorough drying.
- **Inspection:** Regularly inspect the socket for any signs of wear, cracks, chips, or deformation. Pay close attention to the drive end and the fastener engagement end.
- **Storage:** Store the socket in a dry environment to prevent rust. A socket rail, tray, or toolbox compartment is recommended to keep it organized and protected from damage.
- **Rust Prevention:** If storing for extended periods or in humid conditions, apply a light coat of rust-preventative oil to the socket.
- **Replacement:** Discard and replace any socket that shows significant wear or damage, as continued use can lead to fastener damage or personal injury.

5. TROUBLESHOOTING

This section addresses common issues encountered when using impact sockets.

- **Socket slips on fastener:**
 - Ensure the socket size precisely matches the fastener.
 - Check for wear on the socket's internal corners or the fastener head. Replace if worn.
 - Ensure the socket is fully seated on the fastener before applying torque.

• **Socket gets stuck on drive tool:**

- Apply a small amount of penetrating oil to the drive end and gently wiggle the socket off.
- Ensure the drive tool's detent ball is not seized.

• **Fastener is stripped:**

- This usually indicates the wrong size socket was used, or the socket was not fully engaged.
- Specialized tools (e.g., bolt extractors) may be required to remove a stripped fastener.

• **Socket breaks or cracks:**

- Discontinue use immediately.
- This can occur due to excessive force, using a non-impact socket with an impact tool, or material fatigue.
- Replace the broken socket.

6. SPECIFICATIONS

Attribute	Detail
Brand	Performance Tool
Model Number	M909
Socket Size	9mm
Drive Size	3/8 inch
Material	Chrome Vanadium Steel
Finish Type	Chrome Vanadium
Drive System	Torx <i>(Note: This specification from the product data may refer to a broader product line; this 9mm socket is a standard hex impact socket.)</i>
Item Weight	0.16 ounces
Product Dimensions	1.6 x 0.4 x 3.6 inches
UPC	039564519093

7. WARRANTY AND SUPPORT

Performance Tool products are designed for durability and reliability. While specific warranty details may vary, many Performance Tool products, including impact sockets, are backed by a manufacturer's warranty against defects in materials and workmanship.

For warranty claims, technical support, or further assistance, please contact Performance Tool customer service or visit the official Performance Tool website. Keep your purchase receipt as proof of purchase.

Manufacturer: Wilmar, LLC

For more information, visit the [Performance Tool Store on Amazon](#).

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