

1010/2020/4040/4050

Coats 1010/2020/4040/4050 Tire Machine Mount/Demount Vertical Shaft Combo Tool

Model: 1010, 2020, 4040, 4050

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1. INTRODUCTION

This manual provides instructions for the proper use and maintenance of the Coats 1010/2020/4040/4050 Tire Machine Mount/Demount Vertical Shaft Combo Tool. This tool is designed as a replacement combo tool for Coats and other vertical shaft tire changers, facilitating the mounting and demounting of tires.



Figure 1: Coats 1010/2020/4040/4050 Tire Machine Mount/Demount Vertical Shaft Combo Tool. This image displays the robust construction and design of the tool, essential for tire changing operations.

2. SAFETY INFORMATION

Always prioritize safety when operating tire changing equipment. Failure to follow safety precautions can result in serious injury or damage to equipment.

- **Read the Tire Changer Manual:** Before using this combo tool, thoroughly read and understand the instruction manual for your specific tire changing machine.
- **Wear Personal Protective Equipment (PPE):** Always wear appropriate safety glasses or face shields, gloves, and safety footwear when operating tire changing equipment.
- **Ensure Proper Installation:** Verify that the combo tool is securely attached to the vertical shaft of the tire changer before beginning any operation.
- **Inspect Tool Before Use:** Check the tool for any signs of wear, damage, or deformation. Do not use a damaged tool.
- **Maintain Clear Work Area:** Keep the work area clean, well-lit, and free from obstructions.
- **Keep Hands and Body Clear:** Never place hands or any body parts near moving components of the tire changer or the tool during operation.

- **Use for Intended Purpose Only:** This tool is designed for mounting and demounting tires on compatible vertical shaft tire changers. Do not use it for any other purpose.

3. SETUP AND COMPATIBILITY

This combo tool is designed for use with specific Coats models and other vertical shaft tire changers. Ensure your machine is compatible before installation.

3.1 Compatible Tire Changer Models

The tool is compatible with the following Coats models:

- Coats 1010
- Coats 2020
- Coats 4040
- Coats 4050

It also fits other center post or vertical shaft tire changers that utilize similar mounting mechanisms.

3.2 Replacement Part Numbers

This tool serves as a replacement for the following part numbers:

- **Coats:** 8000768
- **John Bean / FMC / Hofmann:** 66679
- **Hunter:** RP6-1828

3.3 Installation

1. Ensure the tire changer is powered off and disconnected from its power source.
2. Locate the vertical shaft on your tire changer where the mount/demount tool is attached.
3. If replacing an existing tool, carefully remove the old tool according to your tire changer's manual.
4. Align the new combo tool with the vertical shaft and secure it using the appropriate fasteners or locking mechanisms provided by your tire changer manufacturer. Refer to your tire changer's manual for specific attachment procedures.
5. Verify that the tool is firmly seated and does not wobble or have excessive play.

4. OPERATING INSTRUCTIONS

This section outlines the general use of the combo tool during tire mounting and demounting. Always refer to your specific tire changer's operational manual for detailed steps and safety procedures.

4.1 Tire Demounting

1. Prepare the wheel and tire assembly on the tire changer according to the machine's instructions. Ensure the tire is fully deflated.
2. Position the demounting head of the combo tool at the bead of the tire.
3. Engage the tire changer's turntable and carefully guide the tool to lift the tire bead over the rim flange.
4. Repeat the process for the second bead, ensuring the tool maintains proper contact and leverage.
5. Remove the tire from the rim.

4.2 Tire Mounting

1. Lubricate the tire beads and rim flanges with approved tire lubricant.
2. Place the tire onto the rim, ensuring the first bead is seated correctly.
3. Position the mounting head of the combo tool to guide the second bead over the rim flange.
4. Engage the tire changer's turntable, applying steady pressure with the tool to ease the tire bead onto the rim.
5. Once both beads are seated, inflate the tire to the manufacturer's recommended pressure, observing all safety precautions for tire inflation.

5. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your combo tool.

- **Cleaning:** After each use, wipe down the tool to remove tire lubricant, dirt, and debris. A mild cleaner can be used if necessary, followed by thorough drying.
- **Inspection:** Periodically inspect the tool for signs of wear, cracks, bends, or other damage. Pay close attention to the mounting and demounting surfaces.
- **Lubrication:** While the tool itself does not require lubrication, ensure that the tire changer's vertical shaft and attachment points are properly maintained and lubricated as per the machine's manual.
- **Storage:** Store the tool in a clean, dry place away from corrosive materials and extreme temperatures.
- **Replacement:** If the tool shows significant wear or damage that could compromise its function or safety, replace it immediately with an approved replacement part.

6. TROUBLESHOOTING

This section addresses common issues that may arise during the use of the combo tool.

Problem	Possible Cause	Solution
Tool does not fit the tire changer shaft.	Incompatible tire changer model or incorrect tool.	Verify your tire changer model against the compatible models listed in Section 3.1. Ensure the tool's part number matches the required replacement.
Difficulty in mounting/demounting tires.	Insufficient lubrication, improper tool positioning, or worn tool.	Ensure tire beads and rim flanges are adequately lubricated. Adjust tool angle and pressure. Inspect the tool for wear and replace if necessary.
Tool appears damaged after use.	Excessive force, improper technique, or tool defect.	Review operating instructions and tire changer manual for correct technique. Avoid applying excessive force. If damage persists, discontinue use and replace the tool.

7. SPECIFICATIONS

Product Dimensions	8.07 x 3.94 x 0.98 inches
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Item Weight	6 pounds
Manufacturer	MT-RSR, Inc.
ASIN	B06WWFVJ6M
Number of Pieces	9 <i>(Note: This typically refers to internal components or a kit, as the product is a single combo tool.)</i>
Origin	Made in USA

8. WARRANTY INFORMATION

The Coats 1010/2020/4040/4050 Tire Machine Mount/Demount Vertical Shaft Combo Tool is covered by the following warranty:

- **Shop Tools & Replacement Parts:** 1-year warranty against manufacturer's defects.
- **Plastic Parts & Protectors:** 90-day warranty.

This warranty covers defects in materials and workmanship under normal use. It does not cover damage resulting from misuse, abuse, unauthorized modification, or normal wear and tear. For warranty claims, please contact the seller or manufacturer with your proof of purchase.

9. CUSTOMER SUPPORT

If you have any questions regarding the installation, operation, maintenance, or troubleshooting of your Coats Combo Tool, please contact the seller or the manufacturer, MT-RSR, Inc., for assistance. Please have your product model number and purchase information ready when contacting support.