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Yato YT-08120

YATO YT-08120 Tire Expander Instruction Manual

Model: YT-08120

1. Product Overview

The YATO YT-08120 Tire Expander is a robust tool designed for professional and DIY workshop use. It facilitates the expansion of tires to maintain stable airflow during various operations, improving efficiency and regularity of tasks. Constructed from durable carbon steel, this tool emphasizes simple handling, easy compatibility verification, and protective storage.



Image 1.1: The YATO YT-08120 Tire Expander. This image shows the complete tool, featuring a long black toothed bar, a red central mechanism with the YATO logo, and a red handle topped with a black spherical grip.

2. Safety Information

Always prioritize safety when using any workshop tool. Read and understand all instructions before operation.

- **Wear appropriate personal protective equipment (PPE)**, including safety glasses and gloves, to prevent injury.
- **Inspect the tool** for any damage or wear before each use. Do not use if damaged.
- **Ensure the work area is clean and well-lit** to prevent accidents.
- **Verify tire compatibility** and dimensions before attempting to expand.
- **Do not exceed the tool's intended capacity** or apply excessive force.
- **Keep children and bystanders away** from the work area.
- **Store the tool safely** in its protective packaging when not in use, away from moisture and extreme temperatures.

3. Setup

Before using the YATO YT-08120 Tire Expander, ensure it is properly set up for safe and effective operation.

1. **Unpack the tool:** Carefully remove the tire expander from its protective packaging.
2. **Inspect for shipping damage:** Check all components for any signs of damage that may have occurred during transit.
3. **Familiarize yourself with components:** Identify the main bar, the expanding mechanism, and the operating handle.
4. **Prepare the work surface:** Place the tool on a stable, flat surface suitable for tire work.

4. Operating Instructions

Follow these steps to safely and effectively use the YATO YT-08120 Tire Expander.

1. **Position the tire:** Place the tire securely on a stable surface or a tire stand.
2. **Insert the expander:** Carefully insert the expander's bar into the tire bead opening. Ensure the expanding mechanism is centered within the tire.
3. **Engage the mechanism:** Use the operating handle to gradually expand the tire. Apply steady, controlled pressure.
4. **Monitor expansion:** Observe the tire as it expands. Do not over-expand the tire, as this can cause damage. Expand only to the necessary dimension for your task.
5. **Secure the position:** Once the desired expansion is achieved, ensure the mechanism is locked in place.
6. **Perform work:** With the tire expanded and held open, proceed with your intended task (e.g., inspection, repair, valve stem replacement).
7. **Release the expander:** After completing the task, carefully release the expanding mechanism by reversing the handle's action. Allow the tire to return to its natural shape gradually.
8. **Remove the tool:** Once the tire has relaxed, gently remove the expander from the tire.

Note: Always check reference dimensions and compatibility before mounting or expanding any tire.

5. Maintenance

Proper maintenance ensures the longevity and reliable performance of your YATO YT-08120 Tire Expander.

- **Cleaning:** After each use, wipe down the tool with a clean, dry cloth to remove dirt, grease, and debris.
- **Lubrication:** Periodically apply a light coat of machine oil to moving parts and the toothed bar to ensure smooth operation and prevent rust.
- **Inspection:** Regularly check for signs of wear, damage, or loose fasteners. Tighten any loose screws or bolts. Replace worn parts if necessary.
- **Storage:** Store the tool in a dry, clean environment, preferably in its original protective packaging, to prevent corrosion and damage.

6. Troubleshooting

Problem	Possible Cause	Solution
Tool not expanding smoothly	Lack of lubrication; dirt/debris in mechanism	Clean and lubricate all moving parts and the toothed bar.
Difficulty inserting into tire	Incorrect tire size; mechanism not fully retracted	Ensure tire compatibility. Fully retract the expander before insertion.
Tool feels loose or unstable	Loose fasteners; worn components	Check and tighten all screws and bolts. Inspect for worn parts and replace if necessary.

If you encounter issues not listed here or if solutions do not resolve the problem, contact YATO customer support.

7. Specifications

Manufacturer	YATO
Model Number	YT-08120
Material	Carbon Steel
Product Dimensions (L x W x H)	48.9 x 47.3 x 6.2 cm
Weight	2.13 kg
Included Components	1x YATO YT-08120 Tire Expander, 1x User Manual
Batteries Required	No

8. Warranty and Support

This YATO product is covered by the legal warranty applicable in your region. For specific warranty details, please refer to the terms and conditions provided at the point of purchase or contact your local YATO distributor.

For technical support, spare parts inquiries, or any questions regarding the operation or maintenance of your YT-08120 Tire Expander, please visit the official YATO website or contact their customer service department. Keep your purchase receipt as proof of purchase for warranty claims.

Note: Information regarding spare parts availability is not provided by the manufacturer.