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> [PYY Tire Grooving Tool Instruction Manual](#)

**PYY PYYTJHC96011YEUS**

# PYY Tire Grooving Tool Instruction Manual

Model: PYYTJHC96011YEUS

## INTRODUCTION

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The PYY Tire Grooving Tool is designed for precise modification and customization of tire treads. This tool allows users to deepen existing grooves or create new patterns on tires, enhancing traction and extending tire life. This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your PYY Tire Grooving Tool.

## IMPORTANT SAFETY INFORMATION

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Always observe the following safety precautions to prevent injury or damage to the tool:

- Wear appropriate personal protective equipment, including safety glasses and heat-resistant gloves, during operation.
- Ensure the work area is well-ventilated and free from flammable materials.
- Disconnect the tool from the power source before performing any maintenance, changing blades, or when not in use.
- Do not touch the grooving blade when the tool is powered on or immediately after use, as it will be extremely hot.
- Keep children and bystanders away from the operating area.
- Use the tool only for its intended purpose of tire grooving.

## PACKAGE CONTENTS

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Please verify that all items are present in your package:

- PYY Tire Grooving Tool (Handpiece)
- Power Control Unit (DC Tire Regroover)
- Power Cables
- Assorted Grooving Blades
- Protective Gloves



Image: The PYY Tire Grooving Tool kit, showing the main handpiece, the power control unit with a digital display, various grooving blades, and a pair of protective gloves. The handpiece is depicted in use on a tire, illustrating its function.

## SETUP INSTRUCTIONS

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Follow these steps for initial setup:

1. **Connect Power Control Unit:** Place the power control unit on a stable, flat surface. Connect the power cable to the unit and then to a suitable 110V power outlet.
2. **Connect Handpiece:** Plug the handpiece cable securely into the designated port on the power control unit.
3. **Install Grooving Blade:** Ensure the tool is unplugged. Loosen the screws on the handpiece blade holder. Carefully insert the desired grooving blade into the holder, ensuring it is seated correctly. Tighten the screws firmly to secure the blade.
4. **Power On:** Turn on the power control unit using the main power switch. The digital display should illuminate.

## OPERATING THE PYY TIRE GROOVING TOOL

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Proper operation ensures efficient and safe tire grooving:

1. **Tire Preparation:** Clean the tire surface thoroughly to remove dirt, debris, and oil. Mark the desired grooving

lines on the tire with a chalk or marker for guidance.

- 2. Temperature Setting:** Use the controls on the power unit to set the desired temperature. Start with a lower setting and gradually increase it until the blade cuts smoothly through the rubber without excessive smoke or tearing. Different rubber compounds may require different temperatures.
- 3. Grooving Technique:** Hold the handpiece firmly with both hands if possible, or one hand if comfortable, ensuring a stable grip. Apply steady, consistent downward pressure and move the tool along the marked line at a uniform speed. Avoid jerky movements or excessive force, which can lead to uneven grooves or blade damage.
- 4. Depth Control:** The depth of the groove is controlled by the blade type and the pressure applied. Practice on a scrap tire or an inconspicuous area first to achieve the desired depth and consistency.
- 5. Cool Down:** After completing the grooving, turn off the power unit and allow the blade to cool down completely before handling or storing.

## MAINTENANCE AND CARE

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Regular maintenance extends the life of your tool:

- **Blade Cleaning:** After the blade has cooled, carefully remove it and clean any accumulated rubber residue using a stiff brush or appropriate cleaning solution. Ensure the blade is dry before reinstallation or storage.
- **Unit Cleaning:** Wipe the power control unit and handpiece with a dry or slightly damp cloth. Do not use abrasive cleaners or immerse the unit in water.
- **Storage:** Store the tool and its components in a clean, dry place, away from direct sunlight and extreme temperatures. Keep blades in a protective container to prevent damage and injury.
- **Cable Inspection:** Periodically inspect power and handpiece cables for any signs of wear, cuts, or damage. Replace damaged cables immediately.

## TROUBLESHOOTING

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Refer to this table for common issues and their solutions:

Problem	Possible Cause	Solution
Tool not heating	Power cable not connected; Power switch off; Faulty outlet	Check all cable connections; Ensure power switch is ON; Test outlet with another device
Uneven or rough grooves	Incorrect temperature setting; Inconsistent pressure/speed; Dull or damaged blade	Adjust temperature; Maintain steady pressure and speed; Replace blade
Blade not cutting effectively	Temperature too low; Blade worn out; Incorrect blade for tire type	Increase temperature; Replace blade; Ensure correct blade type is used
Excessive smoke during operation	Temperature too high; Too much pressure	Reduce temperature; Lessen downward pressure

## TECHNICAL SPECIFICATIONS

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**Brand:** PYY

**Model Number:** PYYTJHC96011YEUS

**Power:** 1000 Watts

**Voltage:** 110 Volts

**Material:** Stainless Steel

**Handpiece Dimensions (L x W x H):** 15.24 x 1.27 x 12.7 cm

**Item Weight (Handpiece):** 454 g

**Features:** Anti-slip base (on handpiece for secure grip)

## **WARRANTY AND CUSTOMER SUPPORT**

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For warranty information or technical support, please refer to the contact details provided with your purchase documentation or visit the official PYY website. Keep your purchase receipt as proof of purchase.