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## ATD ATD-8629

# ATD Wheel Hub Removal Tool ATD-8629 User Manual

## 1. INTRODUCTION

This manual provides essential instructions for the safe and effective use of the ATD Wheel Hub Removal Tool, model ATD-8629. Please read this manual thoroughly before operating the tool to ensure proper function and to prevent injury or damage.

The ATD Wheel Hub Removal Tool is designed to facilitate the removal of stubborn wheel hubs from vehicles, making automotive maintenance and repair tasks more efficient.

## 2. SAFETY INFORMATION

**WARNING: Always follow general shop safety practices when using this tool. Failure to do so may result in serious injury or property damage.**

- Wear appropriate personal protective equipment (PPE), including safety glasses, gloves, and sturdy footwear.
- Ensure the vehicle is properly supported on jack stands or a lift before beginning any work.
- Never work under a vehicle supported only by a jack.
- Keep hands and clothing clear of moving parts.
- Use the correct tool for the job. Do not modify the tool or use it for purposes other than its intended design.
- Inspect the tool for damage before each use. Do not use a damaged tool.
- Keep children and bystanders away from the work area.

## 3. PRODUCT OVERVIEW AND COMPONENTS

The ATD Wheel Hub Removal Tool (ATD-8629) is a robust device designed for applying force to separate a wheel hub from its axle or suspension components. It typically consists of a heavy-duty steel body with mounting points for attachment to the wheel studs.



Figure 1: ATD Wheel Hub Removal Tool (ATD-8629) and included lug nuts. The image displays the main black, heavy-duty steel tool with a square shaft and a two-pronged head featuring bolt holes. Alongside it are twelve silver lug nuts, arranged in two columns.

## Components:

- **Main Tool Body:** Heavy-duty steel construction, typically black finish.
- **Mounting Head:** Features holes for attaching to wheel studs.
- **Lug Nuts:** Included for securing the tool to the wheel studs.

## 4. SETUP

1. **Prepare the Vehicle:** Safely lift and support the vehicle using a hydraulic jack and jack stands.

Remove the wheel and tire assembly.

2. **Access the Hub:** Remove any brake calipers, rotors, or other components that obstruct access to the wheel hub and its mounting bolts.
3. **Clean the Area:** Clean any rust, dirt, or debris from around the hub and axle shaft to ensure proper tool seating.
4. **Attach the Tool:** Position the ATD Wheel Hub Removal Tool's mounting head over the wheel studs. Secure it firmly using the provided lug nuts. Ensure the nuts are tightened evenly to prevent damage to the studs or the tool.

## 5. OPERATING INSTRUCTIONS

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The ATD Wheel Hub Removal Tool is designed to be used in conjunction with a slide hammer (not included) or similar impact device to apply force to the hub.

1. **Connect Slide Hammer:** Attach a suitable slide hammer to the end of the ATD Wheel Hub Removal Tool. Ensure the connection is secure.
2. **Apply Force:** Using the slide hammer, apply controlled, outward force to the wheel hub. The repeated impact will help to break the hub free from its seated position.
3. **Monitor Progress:** Continuously monitor the hub's movement. If the hub does not move, re-check for any remaining fasteners or obstructions.
4. **Remove Hub:** Once the hub is sufficiently loosened, carefully remove the ATD Wheel Hub Removal Tool and then the hub assembly.
5. **Inspect Components:** After removal, inspect the axle shaft, bearing, and other related components for any damage.

**CAUTION: Avoid excessive force that could damage the axle, bearings, or other vehicle components. If the hub remains stuck, consider applying penetrating oil and allowing it to soak, or consult a professional mechanic.**

## 6. MAINTENANCE

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- **Cleaning:** After each use, clean the tool to remove any dirt, grease, or debris.
- **Lubrication:** Lightly oil any threaded parts or moving components to prevent rust and ensure smooth operation.
- **Storage:** Store the tool in a dry, clean environment to prevent corrosion.
- **Inspection:** Regularly inspect the tool for signs of wear, cracks, or damage. Replace any worn or damaged components immediately.

## 7. TROUBLESHOOTING

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- **Hub not moving:**
  - Ensure all retaining bolts/nuts are removed.
  - Apply penetrating oil to rusted areas and allow time to soak.
  - Increase the force of the slide hammer, but always within safe limits.
  - Check for any hidden clips or fasteners.
- **Tool slipping:**

- Ensure lug nuts securing the tool are tightened evenly and securely.
- Verify the tool is correctly seated on the wheel studs.

## 8. SPECIFICATIONS

Attribute	Value
Brand	ATD
Model	ATD-8629
Material	Plastic
Product Dimensions	1" L x 1" W x 1" Th
Item Weight	7.3 Pounds
Compatible Devices	Air Cleaner
UPC	663126086299
Number of Items	1
Manufacturer	ATD Tools
Unit Count	1.0 Count

*Note: Specifications are based on available product data. Discrepancies such as "Material: Plastic" and "Compatible Devices: Air Cleaner" for a heavy-duty wheel hub removal tool may indicate data entry errors. Please refer to the product packaging or manufacturer's official website for the most accurate information.*

## 9. WARRANTY AND SUPPORT

For warranty information, technical support, or replacement parts, please contact ATD Tools directly. Refer to the product packaging or the official ATD Tools website for current contact details.

Website: [www.atdtools.com](http://www.atdtools.com)