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## Lisle 13500

# Lisle 13500 41mm Water Pump Wrench Instruction Manual

Model: 13500 | Brand: Lisle

## INTRODUCTION

The Lisle 13500 41mm Water Pump Wrench is a specialized tool designed to facilitate the adjustment and holding of the water pump during timing belt replacement or adjustment procedures on specific General Motors (GM) 1.6L engines. Its design ensures efficient operation in confined engine compartments.



Image: The Lisle 13500 41mm Water Pump Wrench, a specialized tool for GM 1.6L engines.

## PRODUCT FEATURES

- **Stubby Design:** Engineered for access to the timing belt sprocket without interference from the vehicle frame.
- **Durable Construction:** Manufactured from heat-treated alloy steel for enhanced strength and longevity.
- **Compatibility:** Designed for use with a 3/8" square drive and a short extension.

## SPECIFICATIONS

Attribute	Detail
Brand	Lisle
Model Number	13500
Wrench Size	41mm
Material	Alloy Steel
Item Weight	0.3 Pounds (approx. 4.8 ounces)
Product Dimensions	2.8 x 3.5 x 0.35 inches
Drive Compatibility	3/8" Square Drive

## VEHICLE APPLICATIONS

This water pump wrench is specifically designed for the following applications:

- 1.6L engines in 2004-current Chevrolet Aveo (excluding 2009 models with variable timing engines).
- 1999-2002 Daewoo Lanos.
- Chevrolet Optra models in markets outside the US.

Always verify the specific engine and model year compatibility before use.

## OPERATING INSTRUCTIONS

This tool is used to adjust and hold the water pump when replacing or adjusting the timing belt. Follow these general steps:

1. **Preparation:** Ensure the engine is cool and the vehicle is safely supported. Refer to your vehicle's service manual for specific timing belt replacement procedures.
2. **Access:** Gain access to the water pump and timing belt area. The stubby design of the Lisle 13500 wrench is intended to fit in tight spaces without interference from the vehicle frame.

3. **Tool Attachment:** Attach a 3/8" square drive and a short extension to the square opening on the wrench.
4. **Engage Wrench:** Position the 41mm opening of the wrench onto the water pump's hexagonal fitting. The wrench is designed to securely grip the water pump for rotation.
5. **Adjust/Hold:** Use the wrench with the attached extension and drive to carefully rotate the water pump to adjust timing belt tension or to hold it in position during removal or installation of the timing belt.
6. **Completion:** Once the timing belt procedure is complete, carefully remove the wrench and reassemble all components according to your vehicle's service manual.

**Important:** Always exercise caution and wear appropriate safety gear when working on vehicle engines. Consult a professional if you are unsure about any step.



Image: The Lisle 13500 41mm Water Pump Wrench engaged with a water pump, demonstrating its application for timing belt adjustments.

## MAINTENANCE

- **Cleaning:** After each use, wipe the wrench clean of any grease, oil, or debris.
- **Storage:** Store the tool in a dry place to prevent rust. Keep it away from corrosive materials.
- **Inspection:** Periodically inspect the wrench for any signs of wear, damage, or deformation. Do not use a damaged tool.

## TROUBLESHOOTING

For a simple hand tool like the Lisle 13500 water pump wrench, troubleshooting typically relates to proper application:

- **Tool Does Not Fit:** Ensure the water pump fitting is indeed 41mm. This tool is specifically sized. Verify vehicle compatibility as listed in the "Vehicle Applications" section.
- **Difficulty Turning Water Pump:** Ensure all necessary fasteners holding the water pump are loosened as per the vehicle's service manual before attempting to rotate it for tension adjustment. Do not force the tool if resistance is excessive, as this may indicate an underlying issue or incorrect procedure.
- **Tool Slipping:** Confirm the wrench is fully seated on the water pump's hexagonal fitting. Ensure the 3/8" drive and extension are securely attached.

If you encounter persistent issues, consult a qualified automotive technician or refer to your vehicle's specific repair manual.

## WARRANTY AND SUPPORT

Lisle Corporation stands behind the quality of its products. For specific warranty information, product support, or to inquire about replacement parts, please visit the official Lisle website or contact their customer service department. Keep your purchase receipt as proof of ownership.

For additional information and product updates, visit the [Lisle Store on Amazon](#).



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