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ATD ATD-3052

ATD-3052 Pulley Puller & Installer Set Instruction Manual

Model: ATD-3052 | Brand: ATD

1. INTRODUCTION

The ATD-3052 Pulley Puller & Installer Set is designed for the efficient removal and installation of pressed-on alternator and power steering pulleys. This tool is compatible with late-model GM, Ford, and Chrysler engines, including those with Quad 4 systems. It also accommodates some AMC vehicles. The threaded end facilitates the installation of late-model GM alternator and power steering pulleys. Additionally, the jaws can be reversed to assist in pulling the alternator's internal bearing. Please note that this set is not suitable for Chrysler 3.3L and 3.5L vehicles.

2. SAFETY INFORMATION

Always prioritize safety when using automotive tools. Failure to follow safety precautions can result in injury or damage to equipment.

- **Wear Eye Protection:** Always wear ANSI-approved safety goggles or a face shield when operating this tool.
- **Read Instructions:** Understand all instructions and warnings before use.
- **Proper Vehicle Support:** Ensure the vehicle is securely supported on a level surface using jack stands before working underneath.
- **Clean Work Area:** Keep the work area clean, well-lit, and free of clutter.
- **Inspect Tool:** Before each use, inspect the tool for any damage or wear. Do not use damaged equipment.
- **Use Correctly:** Use the tool only for its intended purpose. Do not modify the tool.
- **Keep Clear:** Keep hands, hair, and loose clothing away from moving parts.

3. PACKAGE CONTENTS

Verify that all components listed below are present in your ATD-3052 Pulley Puller & Installer Set. Refer to the image for visual identification of parts.



Figure 3.1: The ATD-3052 Pulley Puller and Installer Set, showcasing all components neatly organized within its red storage case. The image provides a clear view of the various puller and installer adapters, the main puller body, and other essential parts.

- **CJ700-01:** Puller Body (Letter A)
- **CJ700-02:** Jackscrew Assembly (Letter B)
- **CJ700-03:** Thrust Bearing (Letter C)
- **CJ700-04:** Jackscrew Nut (Letter D)
- **CJ700-05:** Bearing Adapter (Letters E and F)
- **CJ700-06:** Screw for Quad 4 (Letter G)
- **CJ700-07:** Screw for GM (Letter H)
- **CJ700-08:** Screw for GM 3.1L (Letter K)

- **CJ700-09:** Screw Installer for GM (Letter L)
- **CJ700-10:** Screw Installer for Others (Letter M)

4. SETUP

Before beginning any pulley removal or installation, ensure your work area is prepared and you have all necessary components.

1. Identify the specific pulley to be serviced (alternator or power steering).
2. Select the appropriate puller or installer components from the set based on the vehicle make and model (GM, Ford, Chrysler, Quad 4, AMC).
3. Ensure all components are clean and free of debris.
4. Familiarize yourself with the function of each part before assembly.

5. OPERATING INSTRUCTIONS

5.1. Pulley Removal

This procedure applies to pressed-on alternator and power steering pulleys on compatible GM, Ford, and Chrysler engines, including Quad 4 and some AMC vehicles.

1. **Prepare the Pulley:** If necessary, clean the pulley shaft and surrounding area to ensure a clear path for the puller.
2. **Assemble the Puller:**
 - Attach the appropriate screw (CJ700-06 for Quad 4, CJ700-07 for GM, CJ700-08 for GM 3.1L) to the pulley.
 - Thread the Puller Body (CJ700-01) onto the screw.
 - Insert the Jackscrew Assembly (CJ700-02) through the Puller Body and ensure it aligns with the end of the pulley shaft.
 - Place the Thrust Bearing (CJ700-03) and Jackscrew Nut (CJ700-04) onto the jackscrew.
3. **Remove the Pulley:**
 - Hold the Puller Body steady and turn the Jackscrew Nut clockwise with a wrench.
 - Continue turning until the pulley is smoothly pulled off the shaft. Avoid excessive force.
 - Once the pulley is free, carefully remove the puller assembly.
4. **Alternator Internal Bearing Removal:** For this specific application, reverse the jaws of the puller body to engage the internal bearing. Follow similar steps for removal.

5.2. Pulley Installation

This procedure applies to the installation of late-model GM alternator and power steering pulleys.

1. **Prepare the Shaft:** Ensure the shaft is clean and free of burrs. A light coat of lubricant on the shaft can aid installation.
2. **Position the Pulley:** Place the new pulley onto the shaft, ensuring it is aligned correctly.
3. **Assemble the Installer:**
 - Select the appropriate Screw Installer (CJ700-09 for GM, CJ700-10 for others).
 - Thread the installer screw into the end of the shaft.
 - Place the Bearing Adapter (CJ700-05) over the installer screw and against the pulley hub.
 - Thread the Jackscrew Nut (CJ700-04) onto the installer screw, ensuring it presses against the bearing adapter.
4. **Install the Pulley:**
 - Hold the installer screw steady and turn the Jackscrew Nut clockwise with a wrench.
 - The pulley will be drawn onto the shaft. Continue until the pulley is fully seated to the correct depth, as specified by the

vehicle manufacturer.

- Do not overtighten.
- Carefully remove the installer assembly.

6. MAINTENANCE

Proper maintenance ensures the longevity and reliable performance of your ATD-3052 Pulley Puller & Installer Set.

- **Cleaning:** After each use, clean all components thoroughly to remove grease, dirt, and metal shavings. Use a clean cloth.
- **Lubrication:** Apply a light coat of machine oil to threaded parts (jackscrew, nuts, and screws) to prevent rust and ensure smooth operation.
- **Storage:** Store the set in its original protective case in a dry, clean environment to prevent damage and corrosion.
- **Inspection:** Periodically inspect all components for signs of wear, bending, or cracking. Replace any damaged parts immediately.

7. TROUBLESHOOTING

If you encounter issues while using the ATD-3052 set, consider the following common problems and solutions.

Problem	Possible Cause	Solution
Pulley does not move during removal.	Incorrect adapter/screw used; pulley seized; insufficient force.	Verify correct screw for application. Apply penetrating oil to the shaft. Ensure proper assembly and leverage. Do not use impact tools.
Tool components bend or break.	Excessive force applied; incorrect tool for application; damaged component.	Ensure the tool is rated for the task. Do not use cheater bars. Replace damaged parts. This tool is not for Chrysler 3.3L/3.5L.
Pulley does not install fully.	Shaft obstruction; incorrect installer screw; pulley misalignment.	Inspect shaft for burrs. Ensure correct installer screw is used. Verify pulley is straight on the shaft before applying force.

8. SPECIFICATIONS

- **Model Number:** ATD-3052
- **Brand:** ATD
- **Manufacturer:** ATD
- **Item Weight:** Approximately 0.01 ounces (Note: This weight seems unusually low and may refer to a single small component or be an error in source data. The full kit will weigh more.)
- **Product Dimensions:** 9.1 x 7.3 x 2.1 inches (Case dimensions)
- **Compatibility:** Late-model GM, Ford, Chrysler (excluding 3.3L/3.5L), Quad 4, some AMC vehicles.
- **Function:** Removes and installs pressed-on alternator and power steering pulleys.

9. WARRANTY AND SUPPORT

For information regarding warranty coverage, replacement parts, or technical support for your ATD-3052 Pulley Puller & Installer Set, please contact ATD customer service directly. Refer to the product packaging or the official ATD website for the most current contact information.



PULLEY REMOVER & INSTALLER SET

ATD-3052

- Remove pressed-on alternator and power steering pulleys on late-model GM, Ford and Chrysler engines.

- The threaded end installs late model GM alternator and power steering pulleys. Including Quad 4. Reverse the jaws to pull the alternator internal bearing. The puller fits some AMC vehicles as well.



Figure 9.1: The packaging for the ATD-3052 Pulley Remover & Installer Set, highlighting key features and the ATD brand logo. This image provides context for the product's presentation.

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This manual is for informational purposes only. ATD is not responsible for any damage or injury resulting from improper use of this product.