

DAYUAN YT-2018135

DAYUAN YT-2018135 Rear Trailing Arm Bushing Removal and Installation Tool

Instruction Manual

1. INTRODUCTION

This manual provides detailed instructions for the safe and effective use of the DAYUAN YT-2018135 Rear Trailing Arm Bushing Removal and Installation Tool. This specialized tool is designed to facilitate the removal and installation of rear trailing arm mounting bushes on specific Ford and Volvo vehicle models without requiring the removal of the entire arm from the vehicle.

1.1 Product Compatibility

- **Ford Vehicles:** Mondeo Mk IV (2007 onwards), S-Max (2006 onwards), Galaxy (2006 onwards).
- **Volvo Vehicles:** S60, S80, XC60, V70, XC70 (2006 onwards) that share the Ford platform.

2. SAFETY INFORMATION

Always prioritize safety when working with automotive tools and vehicles. Failure to follow safety precautions can result in serious injury or damage to the vehicle.

- Always wear appropriate personal protective equipment (PPE), including safety glasses, gloves, and sturdy footwear.
- Ensure the vehicle is securely supported on jack stands or a lift before beginning any work. Never rely solely on a jack.
- Read and understand all instructions before operating the tool.
- Do not use the tool if it appears damaged or modified.
- Keep hands and clothing clear of moving parts.
- Use the correct size sockets and wrenches for all fasteners.
- If you are unsure about any step, consult a qualified mechanic.

3. PACKAGE CONTENTS

The DAYUAN YT-2018135 tool kit includes the following components, typically supplied in a transport case:

- Main threaded rod and press assembly
- Various pressing sleeves and adapters
- Magnetic spacers for positioning
- Support frames/plates
- Transport case



Figure 1: Overview of the DAYUAN YT-2018135 Bushing Removal and Installation Tool components.

This image displays the complete set of components for the DAYUAN YT-2018135 tool, including the main threaded rod, various pressing sleeves, adapters, and support frames, laid out for inspection.



Figure 2: The DAYUAN YT-2018135 tool kit stored in its transport case.

This image shows the DAYUAN YT-2018135 tool neatly organized within its red plastic transport case, highlighting its portability and ease of storage.

4. SETUP

Before using the tool, ensure the vehicle is properly prepared and secured.

1. **Vehicle Preparation:** Lift the vehicle and secure it on appropriate jack stands or a hydraulic lift. Ensure the work area is well-lit and clear of obstructions.
2. **Access the Trailing Arm:** Depending on the vehicle model, it may be necessary to remove the wheel and any other components obstructing access to the rear trailing arm bushing.
3. **Clean the Area:** Clean around the bushing and the trailing arm to remove dirt, rust, or debris that could hinder tool operation or damage components.
4. **Lubricate:** Apply a suitable penetrating lubricant to the bushing and surrounding area to aid in removal. Allow time for the lubricant to penetrate.

5. OPERATING INSTRUCTIONS

5.1 Bushing Removal

1. **Assemble for Removal:** Select the appropriate pressing sleeves and adapters for bushing removal. Position the main threaded rod and press assembly so that the receiving cup is aligned with one side of the bushing and the pressing adapter is aligned with the other.
2. **Secure the Tool:** Ensure all components are correctly aligned and securely fastened. The tool should be stable and not shift during operation.
3. **Press Out the Bushing:** Using a suitable wrench or ratchet on the threaded rod, slowly and steadily turn the rod to press the old bushing out of the trailing arm into the receiving cup. Observe the bushing's movement to ensure it is pressing out evenly.
4. **Complete Removal:** Continue turning until the bushing is fully extracted. Remove the tool and the old

bushing.



Figure 3: The DAYUAN YT-2018135 tool positioned to press out an old bushing.

This image illustrates the DAYUAN YT-2018135 tool in action, pressing an old bushing out of a vehicle's trailing arm. A wrench is attached to the threaded rod, demonstrating the force application during the removal process.

5.2 Bushing Installation

1. **Prepare New Bushing:** Lightly lubricate the new bushing and the trailing arm bore with a suitable lubricant to aid in installation.
2. **Assemble for Installation:** Select the appropriate pressing sleeves and adapters for bushing installation. Position the new bushing into the trailing arm bore. Align the tool with the bushing and the trailing arm, ensuring the pressing adapter is flush with the bushing and the support frame is against the opposite side of the trailing arm.
3. **Secure the Tool:** Ensure all components are correctly aligned and securely fastened. The tool should be stable and not shift during operation. Magnetic spacers can assist in holding components in place.
4. **Press In the Bushing:** Using a suitable wrench or ratchet on the threaded rod, slowly and steadily turn the rod to press the new bushing into the trailing arm. Ensure the bushing enters straight and evenly. Do not force it if it binds; re-align the tool.
5. **Complete Installation:** Continue turning until the new bushing is fully seated. Remove the tool.

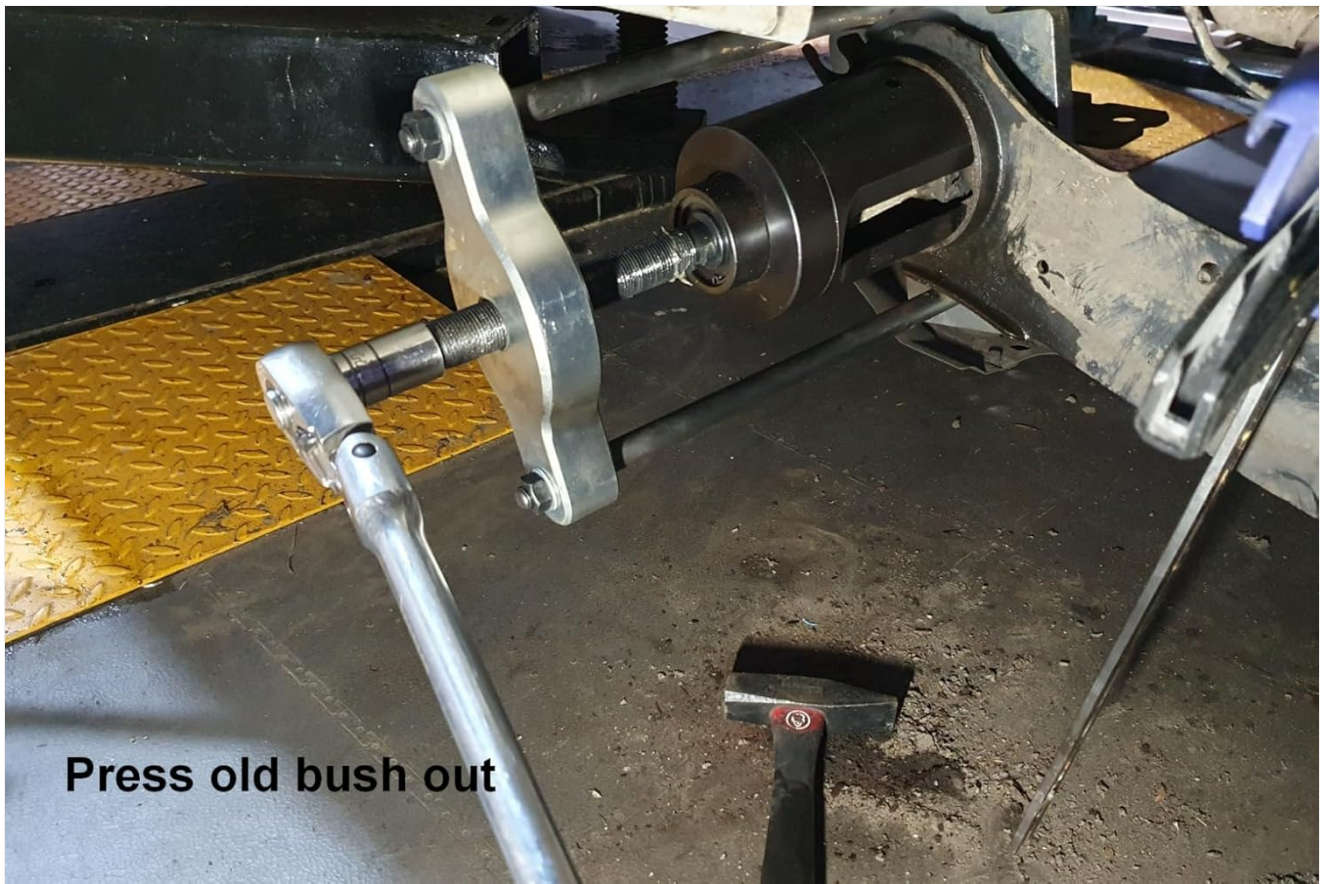


Figure 4: The DAYUAN YT-2018135 tool positioned to press in a new bushing.

This image demonstrates the DAYUAN YT-2018135 tool being used to press a new bushing into the trailing arm of a vehicle. The tool's components are assembled to apply even pressure, guiding the new bushing into its correct position.

6. MAINTENANCE

Proper maintenance ensures the longevity and reliable performance of your DAYUAN YT-2018135 tool.

- **Cleaning:** After each use, clean all components of the tool to remove grease, dirt, and debris. Use a clean cloth and a mild degreaser if necessary.
- **Lubrication:** Lightly lubricate the threaded rod and any moving parts with a general-purpose grease or oil to prevent rust and ensure smooth operation.
- **Inspection:** Regularly inspect the tool for any signs of wear, damage, or deformation. Pay close attention to the threaded rod, adapters, and support frames.
- **Storage:** Store the tool in its original transport case in a dry, clean environment to protect it from moisture and physical damage.

7. TROUBLESHOOTING

If you encounter issues while using the DAYUAN YT-2018135 tool, consider the following common problems and solutions:

Problem	Possible Cause	Solution
Bushing not moving	Insufficient lubrication, incorrect adapter size, excessive rust/corrosion.	Apply more penetrating lubricant and allow time to work. Verify correct adapter selection. Clean area thoroughly.

Problem	Possible Cause	Solution
Tool binding or misaligning	Improper alignment of components, cross-threading the rod.	Stop immediately. Re-align all components carefully. Ensure the threaded rod is turning smoothly.
Excessive force required	Bushing seized, incorrect tool setup, insufficient lubrication.	Re-check setup and lubrication. If bushing is severely seized, consider professional assistance or alternative methods.

8. SPECIFICATIONS

Specification	Detail
Manufacturer	Yinyuan Tools
Brand	DAYUAN
Model Number	YT-2018135
Package Dimensions	45 x 29.8 x 17.9 cm
Item Weight	9.34 Kilograms
First Available Date	28 July 2022

9. WARRANTY AND SUPPORT

This DAYUAN product is manufactured to high-quality standards. For warranty information or technical support, please refer to the documentation included with your purchase or contact the retailer where the product was acquired. Keep your proof of purchase for any warranty claims.