



**ATD-3054**  
**MacPherson Strut Spring Compressor**  
**Instructions**

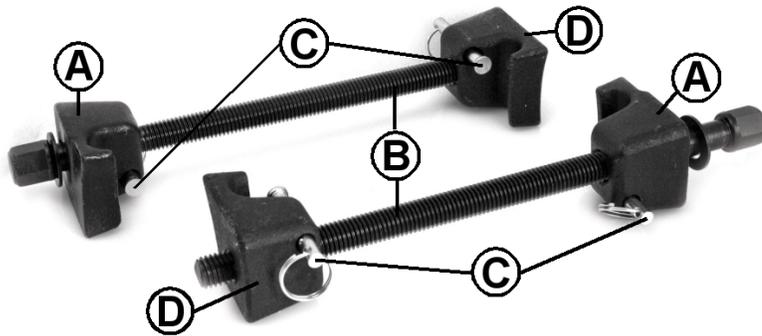


Made in Taiwan to ATD Inc. Specifications

## **Safety Warning and Precautions**

**WARNING:** When using this tool, basic safety precautions should always be followed to reduce the risk of personal injury and damage to equipment. Read all instructions before operating.

- **Keep work area clean.** Cluttered areas invite injuries.
- **Observe work area conditions.** Do not use machines or power tools in damp or wet locations. Don't expose to rain. Keep work area well lighted.
- **Keep children and bystanders away.** Children and bystanders must never be allowed in the work area. Do not let them handle machines, tools, or extension cords.
- **Store idle equipment.** When not in use, tools must be stored in a dry location to inhibit rust. Always lock up tools and keep out of reach of children.
- **Use the right tool for the job.** Do not attempt to force a small tool or attachment to do the work of a larger industrial tool. There are certain applications for which this tool was designed. It will do the job better and more safely at the rate for which it was intended. Do not modify this tool and do not use this tool for a purpose for which it was not intended.
- **Dress properly.** Do not wear loose clothing or jewelry as they can be caught in moving parts. Protective, electrically non-conductive clothes and non-skid footwear are recommended when working. Wear restrictive hair covering to contain long hair.
- **Do not overreach.** Keep proper footing and balance at all times. Do not reach over or across running machines.
- **Maintain tools with care.** Keep tools clean for better and safer performance. Follow instructions for lubricating.
- **Stay alert.** Watch what you are doing, use common sense. Do not operate any tool when you are tired.
- **Check for damaged parts.** Before using any tool, any part that appears damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment and binding of moving parts; any broken parts or mounting fixtures; and any other condition that may affect proper operation. Any part that is damaged should be properly repaired or replaced by a qualified technician.
- **Replacement parts and accessories.** When servicing, use only identical replacement parts. Use of any other parts will void the warranty. Only use accessories intended for use with this tool. Modifications of this tool not only will void any warranties, but could cause injury or death.
- **Do not operate tool if under the influence of alcohol or drugs.** Read warning labels if taking prescription medicine to determine if your judgment or reflexes are impaired while taking drugs. If there is any doubt, do not operate the tool.



A - Hooks - No Threads  
 B - Main Shaft  
 C - Safety pins/rings  
 D - Hooks - Threaded

## Operation

- **ALWAYS WEAR SAFETY GLASSES AND GLOVES**
- First, refer to your vehicles manual for any specifics regarding changing your struts or springs and follow ALL of the manufactures recommendations.
- Lubricate both main shafts (B) with oil
- Align the hooks (A & D) with the safety pins © backed off so the hooks will fit over the spring.
- Position both sets of hooks 180° apart, opposite each other (as shown in FIGURE 1).
- Push safety pins (C) in the lock position on hooks (A & D)
- Using a ¾" or 19mm socket and ratchet, turn the main shaft (B) to compress the strut spring enough to safely remove the fastener nut holding the cartridge. **IMPORTANT - Turn the main shaft (B) of each side a few turns at a time to ensure equal pressure on each side of the spring. DO NOT COMPRESS SPRING UNEQUALLY – SEVERE INJURY OR DEATH COULD OCCUR.**



**Figure 1**

## **Maintenance**

- Wipe off components of the MacPherson Strut Spring Compressor of all grease, rust and dirt.
- Store all components in the Case, and place in a clean and dry location.
- Keep both shafts (B) lubricated with oil
- Inspect tool before and after each use. Replace tool if any parts are damaged. There are no user serviceable parts available for this unit.