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## Schley Products 99700

# Schley Tools 99700 Valve Lifter Removal Tool User Manual

For Dual Overhead Cam (DOHC) Engines



## 1. PRODUCT OVERVIEW

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The Schley 99700 DOHC Valve Lifter Removal Tool is a specialized automotive tool designed for efficient and safe work on Dual Overhead Cam (DOHC) engines. This tool facilitates the removal and installation of hydraulic valve lifters by depressing the valve spring, allowing access to the lifter.

### Key Features:

- Designed for DOHC engines.
- Aids in depressing valve springs for lifter access.
- Facilitates removal and installation of hydraulic valve lifters.
- Made in U.S.A.



Figure 1: The Schley 99700 Valve Lifter Removal Tool. This image shows the tool itself, featuring a black metal body with a red handle, designed for ergonomic grip and effective leverage.

## 2. APPLICATIONS

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This tool is applicable to various DOHC engine configurations. Refer to the specific engine details below:

- **1.6-liter and 2.0-liter 4-cylinder engines:** 1989 and later (both turbo and non-turbo).
- **3.0-liter 6-cylinder engines:** 1991 and later.
- **3.5-liter 6-cylinder engines:** 1995 & 1996.





Figure 2: Product packaging detailing the applications for Mitsubishi/Chrysler DOHC valve lifter removal. The packaging provides a summary of the tool's function and compatible engine types.

### 3. SETUP AND PREPARATION

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Before using the Schley 99700 tool, ensure the engine is cool and all necessary safety precautions are observed. This includes wearing appropriate personal protective equipment (PPE) such as safety glasses and gloves.

1. **Identify the Valve Lifter:** Locate the hydraulic valve lifters that require removal or installation.
2. **Access the Area:** Ensure clear access to the cam tower, cam lobe, and valve spring retainer. This may involve removing other engine components as per the vehicle's service manual.
3. **Clean the Area:** Clean any debris or oil from around the valve lifter and spring assembly to prevent contamination.

### 4. OPERATING INSTRUCTIONS

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Follow these steps carefully for the proper use of the valve lifter removal tool:

1. **Position the Tool:** Carefully slide the working end of the Schley 99700 tool between the cam tower and the cam lobe. Ensure it is positioned correctly over the valve spring retainer.
2. **Depress the Valve Spring:** Apply upward pressure on the tool's handle. This action will depress the valve spring, compressing it and creating clearance.
3. **Remove the Lifter:** Once the valve spring is sufficiently depressed, the hydraulic valve lifter can be carefully removed from its bore. Use appropriate lifter removal pliers or magnets if needed.
4. **Install the Lifter (if applicable):** For installation, reverse the process. Place the new or serviced lifter into its bore, then use the tool to depress the valve spring, allowing the lifter to seat properly.
5. **Release Pressure:** Slowly and carefully release the upward pressure on the tool, allowing the valve spring to extend and seat the lifter.
6. **Verify Seating:** Ensure the valve lifter is correctly seated and the valve spring is properly positioned.

**Caution: Always refer to the vehicle manufacturer's service manual for specific procedures and torque specifications when working on engine components.**

### 5. MAINTENANCE AND STORAGE

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Proper maintenance and storage will extend the life of your Schley 99700 tool.

- **Cleaning:** After each use, wipe the tool clean of any oil, grease, or debris using a clean cloth.

- **Lubrication:** A light coat of rust-preventative oil can be applied to the metal parts if the tool will be stored for an extended period or in a humid environment.
- **Storage:** Store the tool in a dry, clean place, away from excessive moisture and corrosive chemicals. Keep it in its original packaging or a dedicated toolbox to prevent damage.
- **Inspection:** Periodically inspect the tool for any signs of wear, bending, or damage. Do not use a damaged tool.

## 6. SPECIFICATIONS

Attribute	Detail
Brand	Schley Products
Model Number	99700
Manufacturer	SCHLEY PRODUCTS, INC
ASIN	B00FAC0OAY
Country of Origin	Made in U.S.A.

## 7. TROUBLESHOOTING

If you encounter issues while using the Schley 99700 tool, consider the following:

- **Tool Not Fitting:** Ensure the tool is correctly aligned with the cam tower, cam lobe, and valve spring retainer. Verify that the engine type is listed in the "Applications" section.
- **Difficulty Depressing Spring:** Check for any obstructions. Ensure the tool is clean and free of debris. If the spring is unusually stiff, verify it is the correct spring for the application. Do not force the tool.
- **Lifter Not Releasing/Seating:** Ensure the valve spring is fully depressed. Check for any binding or damage to the lifter or its bore.
- **Tool Damage:** If the tool appears bent, cracked, or otherwise damaged, discontinue use immediately. Using a damaged tool can lead to injury or further engine damage.

For persistent issues, consult a professional automotive technician or contact Schley Products customer support.

## 8. WARRANTY AND SUPPORT

For information regarding product warranty, returns, or technical support, please contact Schley Products directly. Details are typically available on the manufacturer's official website or through the retailer where the product was purchased.

### Manufacturer Contact:

- **Brand:** Schley Products
- **Manufacturer:** SCHLEY PRODUCTS, INC
- For the most current contact information, please visit the official Schley Products website.

This manual is for informational purposes only. Always exercise caution and follow proper safety procedures when working on vehicles.