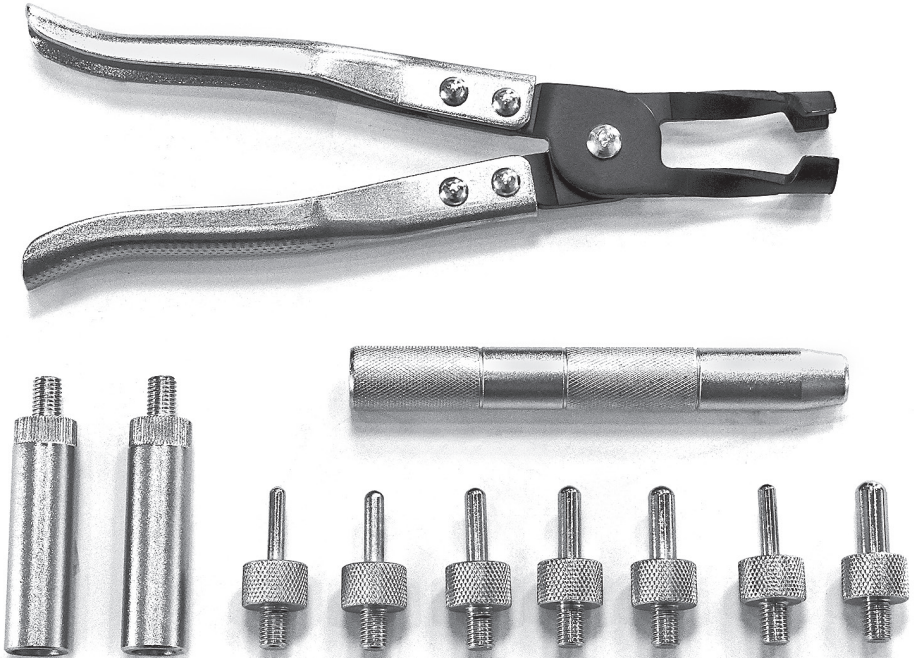


11PC VALVE SEAL REMOVAL & INSTALLATION SET

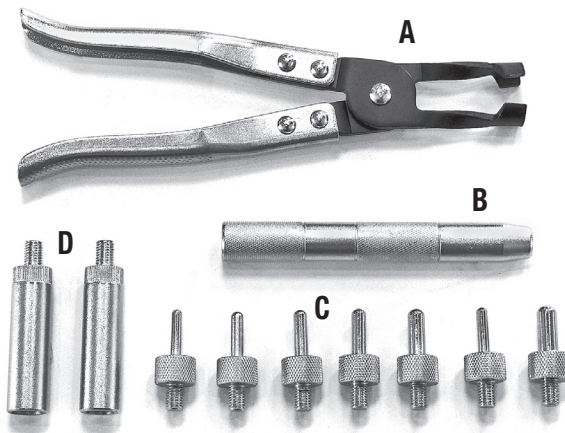
INSTRUCTIONS



The **ROCKWOOD VALVE SEAL REMOVAL AND INSTALLATION SET** eases the removal of difficult to reach valve seals and aids in the installation of new seals without damaging them. Works with valves in place or removed from heads. This tool works great with most automotive, motorcycle, marine and power sports engines.

CONTENTS

- (1) Valve Seal Pulling Pliers - **A**
- (1) Knurled Valve Seal Installation Tool - **B**
- (7) Valves Removed, Seal Installation Bits (5mm, 5.5mm, 6mm, 6.5mm, 7mm, 8mm & 3/8") – **C**
- (2) Valves Installed, Over Valve Stem, Seal Installation Sleeves (0.50" & 0.56") – **D**
- (1) Plastic Storage Case



SAFETY INFORMATION

The following explanations are displayed in this manual, on the labeling, and on all other information provided with this product:

⚠ DANGER

DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.

⚠ WARNING

WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.

⚠ CAUTION

CAUTION used with the safety alert symbol, indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

⚠ NOTICE

NOTICE is used to address practices not related to personal injury.

SAFETY INFORMATION



⚠ READ INSTRUCTIONS

- Thoroughly read and understand these product instructions before using the Rockwood Valve Seal Removal and Installation Set.
- Keep these product instructions for future reference.



⚠ DANGER INJURY HAZARD! IMPROPER MOTOR VEHICLE REPAIR WORK CAN RESULT IN INJURY OR DEATH!

- Performing motor vehicle work without adequate training in motor vehicle mechanical systems can cause injury, death and vehicle damage. DO NOT attempt to use this tool or begin motor vehicle service work without proper training in, and a thorough understanding of, motor vehicle mechanical systems.
- Always consult an authorized manufacturer's service manual or instructional materials on the particular vehicle for proper repair procedures before using this Valve Seal Removal and Installation Set.



⚠ CAUTION PINCH HAZARD!

- To avoid possible personal injury keep hands and fingers free of moving parts when using the Valve Seal Removal and Installation Set.

OPERATION

VALVE SEAL REMOVAL PLIERS

- With the valve spring retainer, keepers and springs removed, place the jaws of the Valve Spring Removal Pliers around the sides of the valve guide seal.
- While gripping the handles firmly, pull upward to remove seal from valve guide.
NOTE: A slight back and forth twisting motion may be necessary to loosen stuck seals.

INSTALLING VALVE SEALS WITH VALVE STEMS REMOVED FROM HEAD

- Choose the appropriate sized Valves Removed, Seal Installation Bit **(C)** from the 7 available and thread it onto the Knurled Valve Seal Installation Tool **(B)**.
- Apply a small amount of lubricant and slide the Valve Seal over the pilot of the appropriate sized Seal Installation Bit.
- Insert the pilot of the Seal Installation Bit into the valve guide to install seal then withdraw Tool.

INSTALLING VALVE SEALS WITH VALVES IN PLACE

- Select the required sized Seal Installation Sleeve **(D)** from the 2 available and thread it onto the Knurled Valve Seal Installation Tool **(B)**.
- Place a Valve Seal into the counterbore of the selected Seal Installation Sleeve then place it over the exposed Valve Stem to install the Seal.
- Withdraw the Tool.

If you have any questions about the use of this product, please contact

The Eastwood Technical Assistance Service Department: 800.544.5118 >> email: techhelp@eastwood.com

PDF version of this manual is available online >> eastwood.com/31487manual

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