



INSTRUCTIONS FOR

8PCS PISTON RING COIL SPRING COMPRESSOR

MODEL NO: **ST167419**



IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS & CAUTIONS. USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. PLEASE KEEP INSTRUCTIONS SAFE FOR FUTURE USE.

ABOUT PRODUCT

This Cylinder Piston Piston Ring Coil Spring Compressor Is Designed For Automotive, Mechanical Repair, And Industrial Applications.

It Includes 7 Clamps Of Varying Sizes To Accommodate Piston Installation, Removal, And Maintenance Tasks.

Made Of High-strength Alloy Steel, The Clamps Are Wear-resistant, Corrosion-resistant, And Provide Precise Grip On Piston Rings, Enhancing Efficiency While Minimizing Damage Risks.

SAFETY & PRECAUTIONS

1. **Wear Protective Gear:** Use Gloves And Safety Goggles To Shield Against Metal Fragments.
2. **Avoid Overloading:** Limit Continuous Use To Prevent Tool Overheating Or Deformation.
3. **Secure Grip:** Confirm The Jaws Are Fully Engaged With The Piston Ring Groove Before Applying Force.



WARNING

4. Modification Of The Tool Structure (e.g. Welding, Grinding The Jaws) Is **Strictly Prohibited**.
5. **Never Exceed** The Maximum Diameter Specified For Each Clamp.
6. **Do Not Strike** The Handles With A Hammer Or Use The Clamp As A Pry Bar.

SPECIFICATION



A	2-7/8" to 3-1/8" (73mm to 79mm)
B	3-1/8" to 3-3/8" (79mm to 86mm)
C	3-3/8" to 3-5/8" (86mm to 92mm)
D	3-5/8" to 3-7/8" (92mm to 98mm)
E	3-7/8" to 4-1/8" (98mm to 105mm)
F	4-1/8" to 4-3/8" (105mm to 111mm)
G	4-3/8" to 4-5/8" (111mm to 117mm)
H	Piston Ring Plier

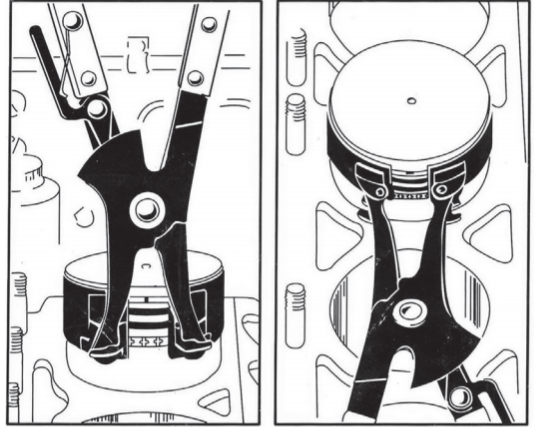
OPERATION

1. Preparation

- Ensure The Cylinder Is Powered Off Or Depressurized For A Safe Working Environment.
- Select The Appropriate Clamp Size Based On The Piston Diameter (Refer To The Package Contents List).
- Clean The Piston Surface And Cylinder Interior To Remove Oil, Debris, Or Contaminants.

2. Installing A Piston

- Fully Open The Clamp Handles And Adjust The Jaw Width To Match The Piston Diameter.
- Position The Clamp Jaws Into The Piston Ring Groove, Ensuring Even Contact With The Ring.
- Rotate The Handles Inward Gradually To Apply Inward Pressure, Compressing The Piston Ring To The Required Size.
- Insert The Piston Vertically Into The Cylinder, Maintaining A Steady Speed To Avoid Tilting.
- Release The Clamp And Withdraw It Gently. Verify That The Piston Ring Has Fully Expanded Into Place.



3. Removing A Piston

- Align The Clamp Jaws With The Piston Ring Groove And Secure Them Firmly.
- Rotate The Handles Outward To Expand The Piston Ring Evenly Until The Piston Can Be Removed Smoothly.
- If The Piston Is Stuck, Apply The Included Lubricating Grease To Assist Removal.

MAINTENANCE

- Regularly Inspect Jaws For Wear, Cracks, Or Burrs. Discontinue Use If Damage Is Detected.
- Clean With A Neutral Solvent Only. Do Not Immerse In Gasoline.
- Store In A Dry Environment Away From Moisture And Extreme Temperatures.

SUNBRIGHT TOOLS CO.,LTD

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