

# CHAIN BREAKER

Stock Number W89100

## OWNER'S MANUAL

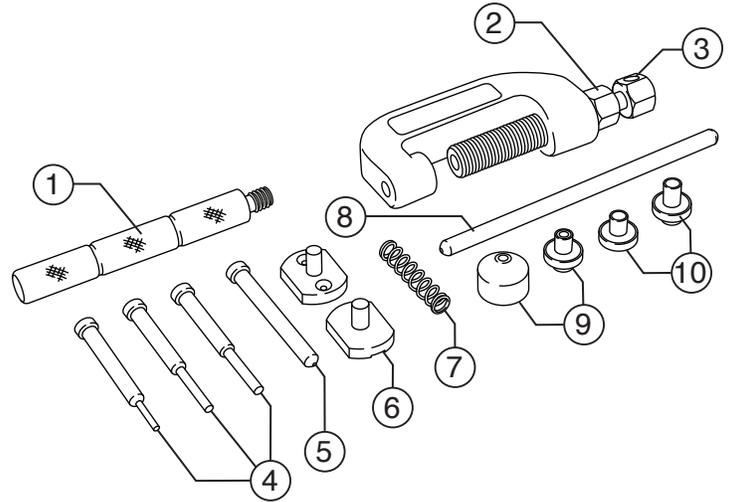


**▲WARNING:** READ, UNDERSTAND AND FOLLOW ALL INSTRUCTIONS AND WARNINGS BEFORE OPERATING THIS TOOL. FAILURE TO DO SO MAY RESULT IN PERSONAL INJURY AND/OR PROPERTY DAMAGE AND WILL VOID WARRANTY.



Performance Tool

## PARTS DIAGRAM



## PARTS LIST

No.	Description	Qty.	No.	Description	Qty.
1	Handle.....	1	6	Press Plate .....	2
2	Alignment Bolt.....	1	7	Spring.....	1
3	Push Bolt.....	1	8	Lever .....	1
4	Breaking Tips .....	3	9	Guide.....	2
5	Rivet Tip.....	1	10	Anvil .....	2

## APPLICATIONS

This kit will break, press, and rivet most #25 - #35 and #428 - #630 standard and O-ring roller chains.

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## SAFETY GUIDELINES / DEFINITIONS

This instruction manual is intended for your benefit. Please read and follow the safety, installation, maintenance and troubleshooting steps described within to ensure your safety and satisfaction. The contents of this instruction manual are based upon the latest product information available at the time of publication. The manufacturer reserves the right to make product changes at any time without notice.

**▲WARNING:** Read and understand this entire instruction manual before attempting to assemble, install, operate or maintain this product. Failure to comply with the instructions may result in serious personal injury and/or property damage!

The following signal words are used to emphasize safety warnings that must be followed when using this product:

**▲DANGER:** Indicates an imminently hazardous situation that, if not avoided, WILL result in death or serious injury.

**▲CAUTION:** Indicates a potentially hazardous situation that, if not avoided, MAY result in minor or moderate injury.

**▲WARNING:** Indicates a potentially hazardous situation that, if not avoided, COULD result in death or serious injury.

**▲NOTE:** Indicates important information, which if not followed, MAY cause damage to equipment.

## IMPORTANT SAFETY INFORMATION

**CAUTION:** To prevent personal injury, wear eye protection that meets ANSI Z87.1 and OSHA standards.

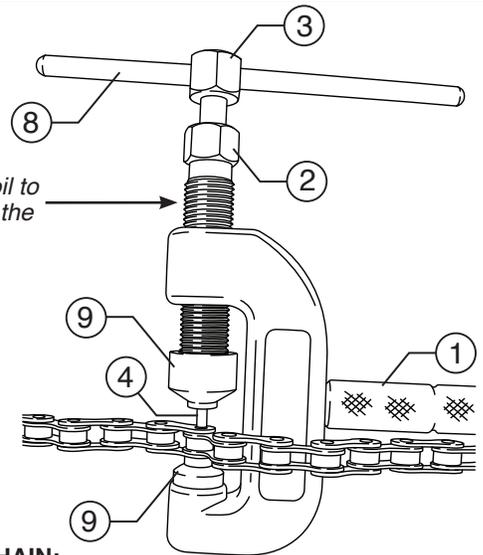
### PREVENT EQUIPMENT DAMAGE:

Do not use power tools or pipe extensions with this tool, hand tighten only.

To ensure longer life clean and lubricate threads before each use. It may be necessary to grind the rivet head on #520 and larger chains.

**▲WARNING:** The warnings, cautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator. Read and understand all of the instructions provided in the instruction manual of this product, as well as, any other tool (s) used with this product.

## OPERATION INSTRUCTIONS



### BREAKING CHAIN:

1. Start by assembling the tool, thread the alignment bolt into the C-frame.
2. Match the breaking tip that best fits your application.
3. Insert the breaking tip into the spring, and slide them both into the alignment bolt.
4. Thread the push bolt into the alignment bolt above the tip.
5. Position the tool over the chain, be sure the breaking tip aligns with the chain pin.
6. Tighten the push bolt by hand using the slide handle or a 14 mm wrench.
7. Pushes the chain pin completely out of the chain and through the hole in the C-frame.

## PRESSING SIDE PLATES

1. Thread the alignment bolt into the C-frame.
2. Assemble the press plates into the tool. Place the grooved press plate into the hole in the C-frame; insert the other press plate into the alignment bolt.
3. Verify the chain pins are aligned with the groove and holes in the press plates.
4. Use a 14 mm wrench to tighten the alignment bolt until chain pins protrude past the face of the side plate.

## CLIP-TYPE MASTER LINKS

The pins must protrude enough to install the clip into the grooves in the chain pin.

## RIVET-TYPE MASTER LINKS

The pins must protrude enough to be flared over the side plate.

Refer to the chain manufacturer's specifications for chain pin protrusion as well as the direction and installation of master link clips.

## RIVETING CHAIN PINS

1. Thread the alignment bolt into the C-frame.
2. Insert the rivet tip into the spring and slide them both into the alignment bolt.
3. Thread the push bolt into the alignment bolt above the tip.
4. Place the large anvil in the hole in the C-frame.
5. Place the tool over the chain pin to be riveted, with the hollow end of the chain pin facing the rivet tip.

**NOTE:** *The small anvil is used for cam chains up to the 3-series.*

6. Verify the rivet tip is withdrawn enough to clear the end of the chain pin.
7. Tighten the alignment bolt securely against the side plate of the chain pin.

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## RIVETING CHAIN PINS CONT.

8. Tighten the push bolt by hand using the lever or a 14 mm wrench until the rivet tip spreads the hollow nose of the chain pin. Now the end of the chain pin should be flared over the side plate just enough so the side plate is solidly held in place. Repeat this procedure on the other chain pin.
9. Remove the tool from the chain. Verify both chain pins show the same size flares. Verify the riveted-on side plate is aligned with the side plates of the adjacent chain links.

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### LIMITED WARRANTY

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PERFORMANCE TOOL® warrants the product to be free from defects in materials and workmanship under normal use and service. A defective product may be returned for a free replacement within 90 days from the date of purchase, provided that product is returned to place of purchase immediately after discovery of defect. After 90 days and up to one year from date of purchase, PERFORMANCE TOOL® will replace at no charge any parts which our examination shall disclose to be defective and under warranty. These warranties shall be valid only when a sales receipt showing the date of purchase accompanies the defective product or defective part (s) being returned. For part (s) after 90 days, please remit your request, postage prepaid to:

PERFORMANCE TOOL, P.O. Box 88259 Tukwila, WA 98138

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