CHAIN BREAKER AND RIVETING TOOLS

CT2247

Product use and care

This product is not a toy. Keep it out of reach of children.
Use the correct product for the correct vehicle. The correct product will do the job better and safer at the rate for which it was designed. Do not modify this product or use it for a purpose for which it is not intended.
Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the product's operation. If damaged, have the product repaired before use. Use the product and accessories etc., in accordance with these instructions and in the manner intended for the particular type of product, taking into account the working conditions and the work to be performed. Use of the product for operations different from those intended could result in a hazardous situation.

Operating instruction

Read the ENTIRE WARNING section at the beginning of this manual including all text under subheadings therein before set up or use of this product.
This service tool will work with most model vehicles.
Read the vehicle owner's manual before use.
Always wear eye protection and hand gloves when work with the tool!!
Always connect the attachment properly and install seal straight.

Instruction Manual

- This kit includes 3 pin sizes to fit a variety of chains.
- This tool will break and rivet 420-630 rear drive chains.
- It comes with 2mm, 3mm, 4mm, replacement tips for different size cam chains.
- Cam chain breaker riveter-breaks and rivets/stakes all over head cam chains on all model japanese and european OHV cam chains.

Note! Test the kit thoroughly before use.

Work Area Safety

- Keep children and bystanders away while operating. Distractions can cause you to lose control.
- Keep work area clean and well lit. Cluttered or dark areas invite accidents.

Personal safety

- Wear ANSI-approved safety goggles, NOSE-approved dust mask/respirator, and heavy-duty work gloves during use and service.
- Stay alert and use common sense when operating. Do not use when tired or under influence of drugs, alcohol or medication.
- Do not overreach. Keep proper footing and balance at all times. This enables better control in unexpected situations.
- Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewelry or long hair can be caught on moving parts.

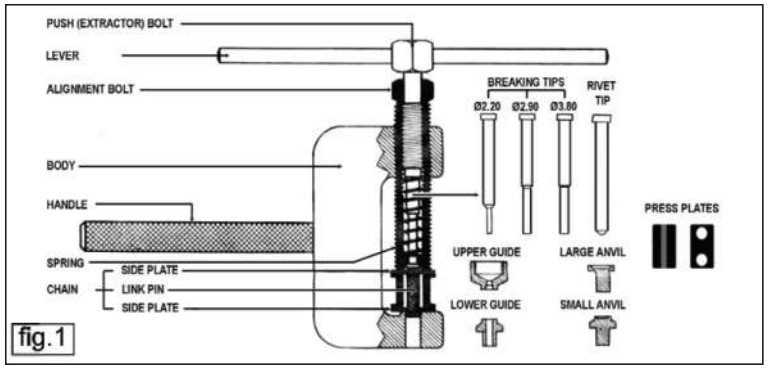
Maintenance and servicing

CAUTION!

Damaged products can fail, causing personal injury. Do not use a damaged product.
Before each use, inspect the general condition of the product. Check for misalignment or binding of moving parts, cracked or broken parts, and any other condition that may affect its safe operation. After use, clean external surface of the product with clean, moist cloth.

INTRODUCTION & SPECIFICATION

Breaks and rejoins all types of chain quickly and easily. Suitable for most size of drive or cam chain from #35 to # 630 including O-ring. Supplied with a range of pins and dies.



OPERATING INSTRUCTIONS

1 BREAKING CHAIN(PRESSING OUT LINK PIN).

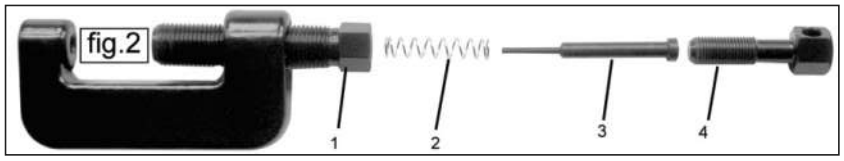
Note: This tool may be used for breaking all chain size from number 35 to 630 but it is not recommended forbreaking heavy-duty types of 530 to 630 unless the rivet head is ground off first.

Note: Id working on cam chain be sure and cover chain tunnel with rag to prevent parts dropping down.

1.1 Assemble tool as shown in fig.1(Anvil not used).

1.2 Select correct size breaking tip (fig.2.3) for the chain to be worked on and insert into alignment bolt (fig.2.1) by removing push (extractor) bolt (fig.2.4), insert breaking tip (fig.2.3), with spring(fig.2.2) under head of breaker pin, and replace push (extractor) bolt (fig.2.4). If small 2.2 mm tip is used you must also use the upper and lower guides (see fig.3) to prevent breaking the tip.

The upper guide threads onto the alignment bolt, the lower guide drops in place in bottom of tool body. Smallest pin (2.2 mm) should be used on most cam chains, 2.9mm pin on #25 or #35 chain and 3.8 mm pin for most motorcycle drive chains (428 to 530).



1.3 Put tool over chain, breaker pin tip must be withdrawn at least 2 mm into alignment bolt. The end of the chain rivet should be held in position by the tool alignment bolt, the other end of the rivet should be held in the tool body. Tighten the alignment bolt securely against chain to hold chain in place.

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1.4 Tighten push (extractor) bolt with a 14 mm wrench or lever bar until the chain pin is pushed completely out, the chain pin will drop out of the hole in the bottom of the tool. Withdraw push bolt and breaking tip, loosen alignment bolt and remove.

NOTE: When tightening push (extractor) bolt against chain link pin; if you don't feel the tip pushing down smoothly, check that the tip is correctly lined up against the link pin. If not redo step 2.3 or you may break the breaking tip.

2 INSTALLING CHAIN LINK PIN (Riveting).

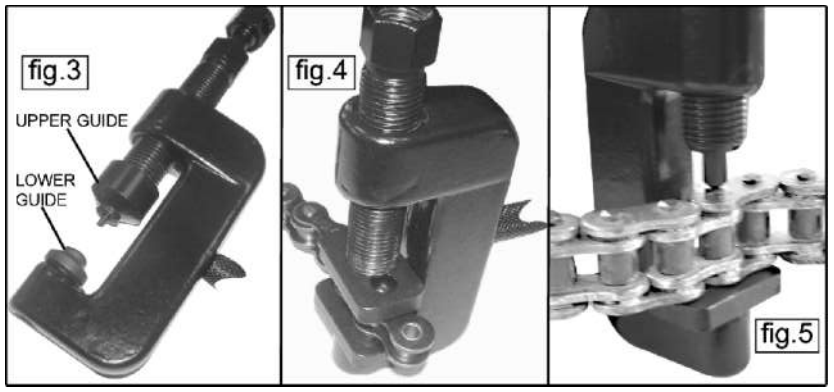
2.1 The rivet tip and anvil must be in place in tool.

2.2 Assemble the chain with the link to be rivetted. Special rivet link pins must be used, using original pushed out pin is not recommended as the ends will be weakened. Do not use a split pin type connecting link. The pin must be pushed all the way through the chain link, if the pin is hard to insert it can be pushed into place by placing chain into the tool with the rivet tip withdrawn 2mm into the alignment bolt and tightening the alignment bolt until the pin has been pushed through the link, ensure that an equal length of pin shows on each side of the link.

2.3 Position the tool over the pin to be rivetted, make sure rivet tip is withdrawn 2mm into the alignment bolt and tighten the alignment bolt securely against chain. Tighten the push (extractor) bolt so that the rivet tip flares the chain pin. Both ends of the chain link pin should be flared so the pin is securely held in place. Repeat procedure on other link pin.

2.4 Withdraw the tool, remove the chain; visually check that both chain link pins show the same flared ends.

NOTE: You may also use the press plates to flare the ends of pins as shown below (fig.4); use the press plate with the two holes in the upper jaw and the grooved press plate in the lower jaw. You may also use a combination of the rivet pin and lower press plate as fig.5.



Note: The warnings, precautions 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.