

LASER[®]

Motorcycle Chain Tool Kit Universal

Instructions



WARNING:

- ALWAYS USE THE PROPER RIVET LINK REQUIRED FOR THE CHAIN BEING REPAIRED;
- THIS KIT IS ONLY DESIGNED TO RIVET SOFT NOSED LINKS.
- NEVER ATTEMPT TO RIVET USED LINKS.
- ALWAYS ASSEMBLE THE CHAIN IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS.
- ONCE RIVETTED ENSURE THE CHAIN LINKS ARE FREE TO MOVE WITH NO TIGHT SPOTS.
- ENSURE THE FORCE SCREWS ARE KEPT CLEAN AND WELL LUBRICATED.



Safety First. Be Protected.

Guarantee

If this product fails through faulty materials or workmanship, contact our service department direct on: **+44 (0) 1926 818186**. Normal wear and tear are excluded as are consumable items and abuse.



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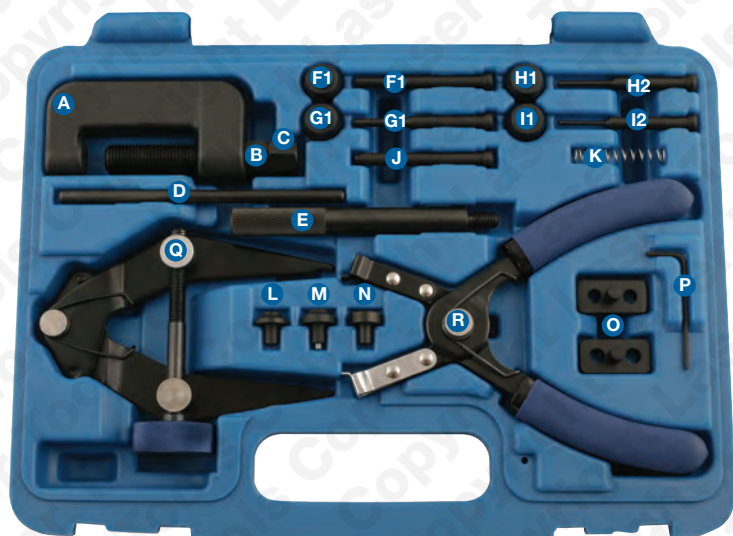
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Motorcycle Chain Tool kit

This tool kit brings together 3 chain service tools in one kit

- A pair of chain link clip removal pliers (**R**) that make removing and fitting the spring clips used on some smaller chains an easy job,
- A chain stretch tool (**Q**) that acts as a second pair of hands and holds the two ends of the chain together whilst the operator assembles the new split link
- A comprehensive chain link splitter and riveting tool – essential for removing and fitting motorcycle drive chains, primary drive chains and timing chains.

Code	Description
A	Tool Body
B	Main Alignment Bolt
C	Force Screw
D	Force Screw T Bar
E	Tool Body Handle
F1	Upper Guide for F2
F2	Force Pin 4.8mm
G1	Upper Guide For G2
G2	Force Pin 3.8mm
H1	Upper Guide for H2
H2	Force Pin 2.9mm
I1	Upper Guide for I2
I2	Force Pin 2.2mm
J	Rivet Forming Pin, for hollow nosed master links only
K	Return spring for F2, G2, H2, I2, J
L	Large Anvil
M	Small Anvil with adjustable centre pin
N	Flat anvil
O	Side Plate Clamp Pieces
P	Key for M
Q	Chain stretcher
R	Chain Clip Fitting/Removal Pliers



Note: There are 3 Anvils, (L, M, and N). Anvil N has an adjustable centre screw. N is designed for chains with a centre pop in the link pins.

6. Tighten the main alignment bolt (**B**) to ensure the tool is correctly aligned and the chain link side plates are fully pressed home. The chain link pin must protrude in to the main alignment bolt by approximately 2mm+.
7. Tighten the force screw (**C**) with the T-bar (**D**).
8. If required the T-bar can be removed and a suitable socket and wrench used for higher torque.

Applications

Chains sizes from small timing chain (min pin diameter 2.2mm) to heavy duty 630 chain.

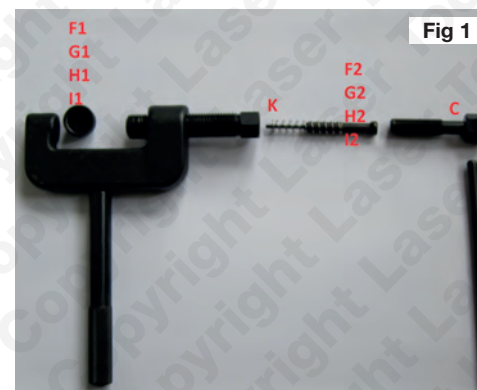
Note: when separating chain sizes above 530 it is strongly advised the head of the rivet on the tool side is ground off or filed off first.

Instructions

NOTE: Ensure all force screws and pins are adequately lubricated with oil or chain lubricant.

Breaking a Chain

1. Select the appropriate Force Pin from (**F2**), (**G2**), (**H2**) and (**I2**) according to the diameter of the chain pin and fit the spring **K** over the pin as show in Fig 1.
2. Remove force screw (**C**) from the main screw (**B**) and fit the pin and spring as shown in Fig 1.
3. Refit force screw (**C**)
4. Fit appropriate size upper guide (**F1**, **G1**, **H1**, and **I1**) as shown in Fig 1.
5. Fit the tool body handle as shown and assemble as shown in Fig 2.



5. Remove the tool and reassemble using the most suitable anvil (**L**, **M** or **N**), the rivet forming pin (**J**) and return spring (**K**) fit the assembly on the chain as shown in Fig 6.

6. Fit the assembly to the chain on the link to be broken as shown in Fig 3.

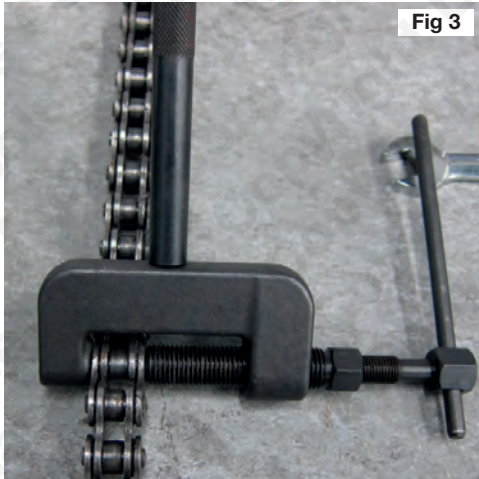


Fig 3

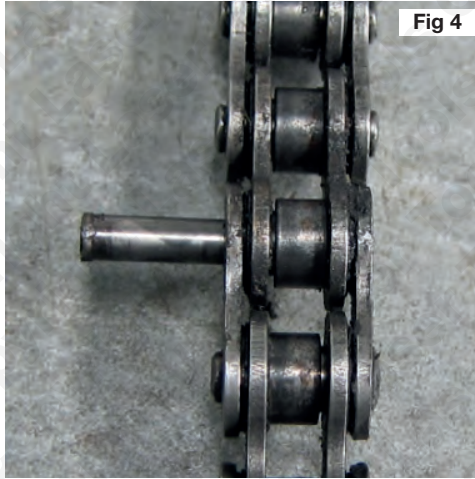


Fig 4

7. Wind in the T-handle to push out the pin,
8. Ensure the tool remains aligned. Only use the T-bar provided to provide the torque required to push out the pin.
9. Once the pin is fully pushed through the chain can be separated.

Assembling a Chain:

1. Assemble the chain as described by the manufacturer.
2. If it is an "O" ring type chain ensure the "O" rings do not get jammed in between the side plates and pins of the link.
3. Remember to assemble the chain using the recommended grease.
4. Using the side clamp pieces (O) as shown below ensure the side plates are pushed fully on to the pins being careful to ensure the holes in the side plates are aligned with the pins. See Fig 5.

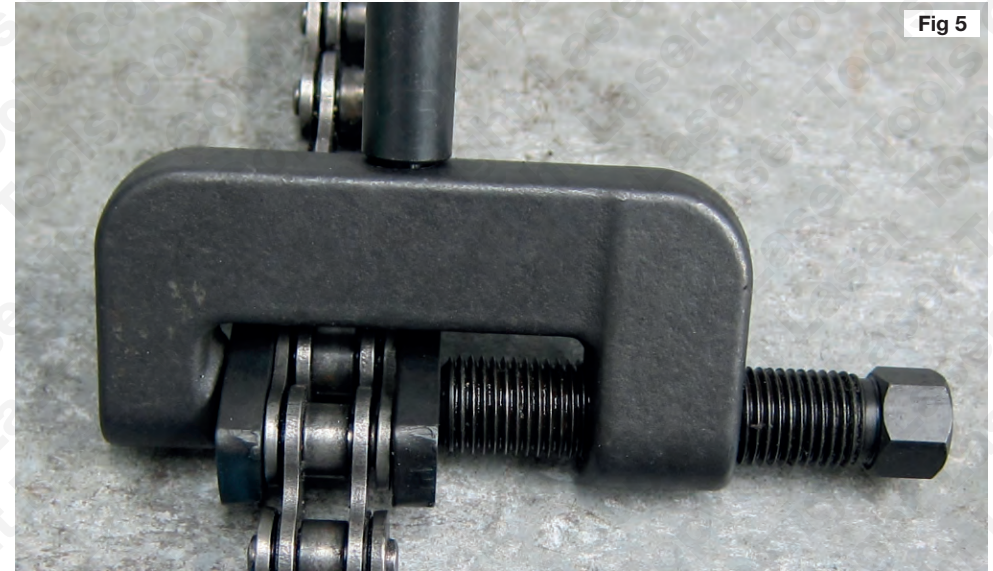


Fig 5

5. Remove the tool and reassemble using the most suitable anvil (L, M or N), the rivet forming pin (J) and return spring (K) fit the assembly on the chain as shown in Fig 6.



Fig 6