

# LASER®

Part No. 4191

## Motorcycle Chain Link Extractor and Riveter

Suitable for Cam Chains and  
Drive Chains from #35 to #630



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**Guarantee**



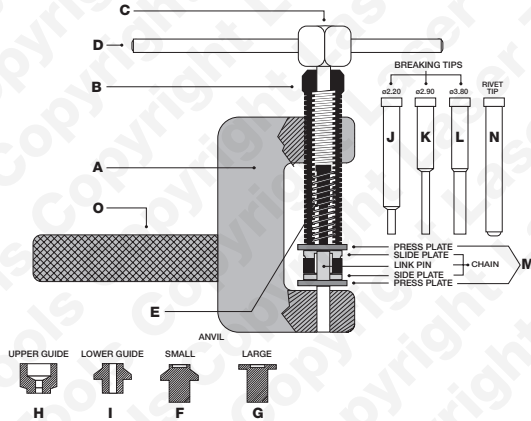
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## Plan Layout



Ref	Contents	Part No.	Usage   Included
A	Tool body		
B	Alignment bolt		
C	Push bolt		
D	Push bolt lever		
E	Spring		
F/G	Anvil		Large   Small for installation only
H	Upper tip guide		2.2mm tip
I	Lower tip guide		2.2mm tip
J	2.2mm Pin	0931	Used on most Cam Chains
K	2.9mm Pin	0932	Used on #25 or #35 Chains
L	3.8mm Pin	0933	Used on Drive Chains #428 or #530
M	Press plates (2)		1 with Pin I 1 with holes
N	Replacement rivet tip	0934	
O	Handle		

- Versatile enough to be used on cam chains or drive chains
- Will break chains from #35 to #630
- For chain #520 and up, it is recommended to grind the rivet head
- Each kit includes three pin sizes: 2.2 | 2.9 | 3.8 diameter
- Recommended for light to medium-duty use

NB: IF WORKING ON CAM CHAIN COVER CHAIN TUNNEL TO PREVENT PARTS DROPPING IN

## Instructions

### Instructions for Pressing Out Link Pin

1. Assemble tool as shown in diagram (Anvils are not used)
2. Select correct size tip for the chain and insert it into alignment bolt.
3. Remove push bolt and insert pin with spring under head of pin and replace push bolt (if 2.2mm tip is used, use the upper and lower guides to prevent breaking the tip).
4. Upper guide threads on to alignment bolt, lower guide drops in place in bottom of tool body.
5. Withdraw tool tip at least 2mm into alignment bolt and put tool over chain. (End of chain should be held in position in tool alignment bolt, other end or rivet in hold of tool body).
6. Tighten alignment bolt securely against side plates each side of the chain.
7. Tighten push bolt with 14mm wrench or lever until chain pin is pushed completely out. (Chain pin will drop out of hole in the bottom of the tool).

**NB: If you don't feel the tip going down smoothly when tightening push bolt against chain link pin, check that the tip is correctly lined up against the link pin.**

**If not repeat from (5) or you may break the pin.**

### PRESSING THE SIDE PLATES OF NEW CHAIN

With a new chain the side plates are often a tight fit on to the master link pins especially if the chain to be assembled is an O ring type.

1. Use the Press Plates provided to press the new link together prior to riveting or installing master link clip.
2. Assemble the chain and press plates as shown in pic c. ensure side plate with pins attached sits against the Grooved Press Plate and the side plate with pin holes is against the Press Plate with holes.
3. Lightly tighten the push bolt, check master link lines up with the groove and holes of the PRESS PLATES. As the push bolt is tightened the ends of the link pins should enter the holes in the PRESS PLATE.
4. Tighten the push bolt until the link pins protrude enough. (see chain manufacturers recommendations)

### Instructions for Installing Chain Link Pin (Riveting)

Always replace the used special link pins – original used pins should never be used nor clip type connecting links

#### Pressing the side plates of New Chain

With a new chain the side plates are often a tight fit on to the master link pins especially if the chain to be assembled is an O ring type.

1. Install tip and anvil into tool.
2. Assemble the chain and press plates as shown in Fig 1.
3. Ensure the side plates with pins attached sits against the grooved Press Plate and the side plate with pin holes is aligned with the pin holes in the press plate.
4. Lightly tighten the push bolt.
5. As the push bolt is tightened the ends of the link pins should enter the holes in the Press Plates.
6. Tighten the push bolt until the link pins protrude. (See chain manufacturers recommendations).
7. Repeat the procedure on the other link pin.
8. Withdraw tool, remove chain and check that both the chain link pins show the same spread end marks and that the rivet on the side plate is aligned either side.