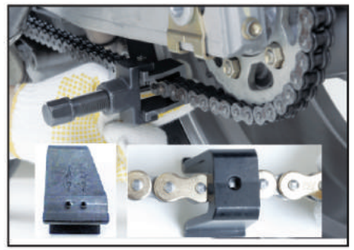
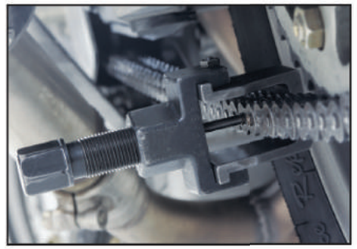
D.I.D CHAIN TOOL INSTRUCTIONS

CHAIN CUTTING

1a. Before cutting your chain, loosen it using your motorcycle's rear wheel adjusters. Position your KM500R or KM501E over your chain on the bottom side of your swingarm; cut the pin on the right side of the link you choose first. If your chain has a master link, it is easier to cut the chain at the master link.

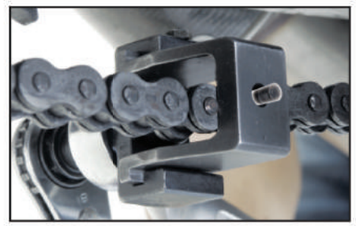


2a. Set the Cutting pin location on your chain tool's U-shaped holder to the point A position.



3a. To align the tool's Cutting pin with the chosen pin head, turn the tool's large bolt head clockwise "by hand" until the Cutting pin comes in contact with the pin head. At this point, make sure that the cutting pin is lined up with the center of the pin you wish to push out.

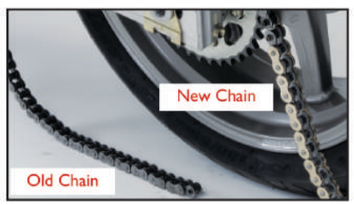
4a. Use a 27mm closed in wrench to hold firm the body of your chain tool while using a closed end 19mm wrench on the tool's hexagon bolt head to tighten. It will be easier to tighten the bolt if you position your wrenches 30° apart.



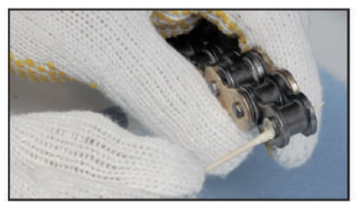
5a. Turn 19mm wrench clockwise on the tool's Hexagon bolt head to push the pin completely out.

6a. After pushing the pin out, disassemble the chain tool from the chain.

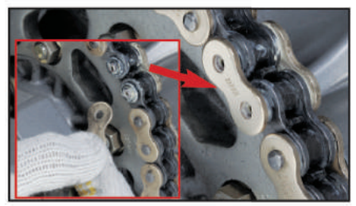
PRESS FITTING CONNECTING LINK SIDE



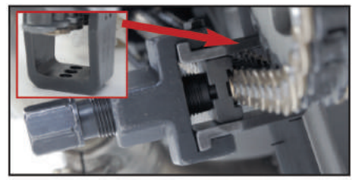
7a. Connect the new chain to the old chain using either a wire or connecting link. Shift transmission into neutral and slowly pull the old chain from under the swingarm toward the rear which then pulls the new chain from the top towards the countershaft sprocket. When new chain goes completely around the front sprocket and out under the swingarm, disconnect the old chain and pull both ends together under the center of the swingarm.



8a. Before installing the connecting link, be sure to put a heavy coat of the supplied grease into the holes of the bushings of the new chains' links, and on the surface of the connecting link's pins. If you are installing an O-Ring or X-Ring® chain, don't forget to put heavily greased ORings or X-Rings on the pins between the sideplates on both sides of the chain.

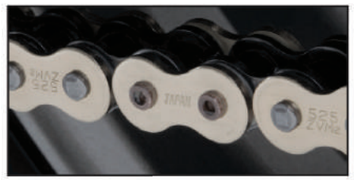


9a. With the inside of the connecting link pushed into place holding the chain together with the pins sticking out the outside of the chain, slide the O-Rings/X-Rings® into place and temporarily press the other side plate on the pins by hand. Set the Cutting pin location on your chain tool's Ushaped holder to the point A position.



10a. Slide the U-shaped portion of the tool overthe inside of the connecting link. Care-fully line up the dimples on the inside of the U-shaped holder with the pin heads of the connecting link. The Cutting pin also needs to be flipped over to where the rivet side is pointed out. Fit the Tool body together and position the Plate holder onto the sideplate that needs to be pressed on. (For FJ clip type links, flip Plate holder over.) Slide the pin's riveting side into the Plate holder and slide the pin side into the inside of the tool.

11a. Hold the hexagon part of the tool body with a 27mm closed end wrench and turn the bolt with a 19mm closed in wrench clockwise until the top of the pins make contact with the groove in the Plate holder.

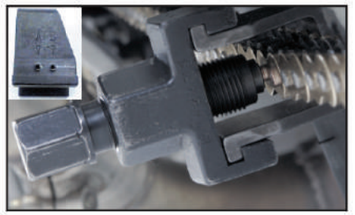


12a. After pressing the sideplate on, disassemble the chain tool and remove it from the chain. The next step is to flare out the pins heads for ZJ (Rivet type) or installing the slide clip for the FJ (Clip type) master link.

RIVETING ZJ CONNECTING LINK PIN

13a. Position the U-shaped holder as seen above.

13b. For clip type (FJ) install the open end of the clip so that it faces in the opposite direction of the chain drive direction.



14a. Set aside the Plate Holder and set the pin on the tool body to the B position to flare out the pin heads.

15a. Hold the hexagon part of the tool body by with a 27mm closed in wrench, and the bolt head with a 19mm closed end wrench; turn clockwise until the flare part of the pin head makes contact with the surface of the side plate.

16a. Example of proper flared pin head. If your pin heads are not flared to this extent, Realign chain tool and flare pin heads until they look like the above photo. If your pin heads have cracks or the connecting link is stiff when flexed, remove connecting link and install a new one.

16a. FLARE DIMENSIONS

5.3 to 5.6mm 520VO	5.5 to 5.8mm 520ERV7
5.5 to 5.8mm 525VO	5.5 to 5.8mm 520ERVT
5.5 to 5.8mm 530VO	5.5 to 5.8mm 520ATV2
5.3 to 5.6mm 428VX	5.5 to 5.8mm 520MX
5.5 to 5.8mm 520VX3	5.5 to 5.8mm 520ERT3
5.7 to 6.0mm 525VX3	5.5 to 5.8mm 520DZ2
5.7 to 6.0mm 530VX3	5.5 to 5.8mm 520ERS3
5.5 to 5.8mm 532ZLV	4.2 to 4.4mm 415ERZ
5.5 to 5.8mm 520VR46	4.7 to 4.9mm 428NZ
5.7 to 6.0mm 525VR46	5.5 to 5.8mm 520NZ
5.5 to 5.8mm 520ZVM-X	5.5 to 5.8mm 525NZ
5.7 to 6.0mm 525ZVM-X	5.5 to 5.8mm 530NZ
5.7 to 6.0mm 530ZVM-X	
5.7mm to 6.0mm.....*525ZVM-X, 530ZVM-X, 525VX3 & 530VX3	

***Note:** Make sure that the Cutting pin has a groove if you are riveting the 525ZVM-X, 530ZVM-X, 525VX3 and 530VX3 chains. These chains can not be riveted by the old Cutting pins.*

KM500R Cutting and Riveting Pin