UCT4060 Chain Cutting & Press-Fit Tool Instructions

WARNING! DO NOT USE TOOL TO CUT 630 AND 632 TYPE CHAIN!
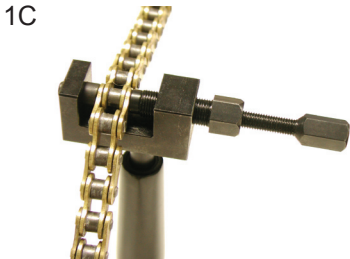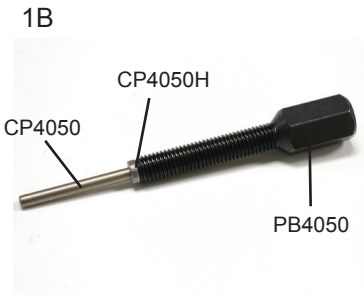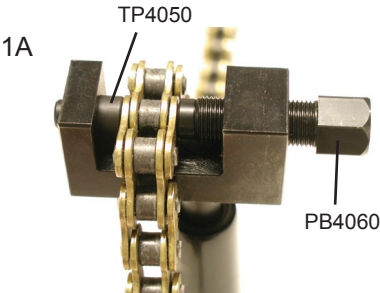
To break a chain:

1. Thread the large pressure bolt PB4060 into the tool body TB4060.

2. Insert the chain cutting tail piece TP4050 into the opposite side of the tool body.

3. Position the chain to be cut between the hole in the end of the large pressure bolt and the hole in the tail piece (Figure 1A).

4. Using a 17mm wrench, snug up the large pressure bolt so that the chain pin is held firmly in place.

5. Slide the cutting pin holder CP4050H onto the cutting pin CP4050.

6. Thread the cutting pin holder into the small pressure bolt PB4050 (Figure 1B).

7. Thread the small pressure bolt into the large pressure bolt (Figure 1C).

8. Using a 14mm wrench, turn the small pressure bolt until the chain pin is pushed completely through the side plates.
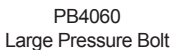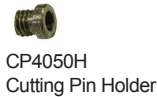
CAUTION: The first few turns will be very hard as the quad stake riveted edges on the chain pin are pushed through the side plate. If it seems exceptionally hard, check the alignment of the chain pin with the hole in the end of the large pressure bolt.

NOTE: If you are cutting a new chain to length, be sure to remove the chain pin that will leave you with an inner side plate as the end of the chain. A connecting link can only be installed onto inner side plates.

DO NOT CUT MASTER LINK !

1A

TP4050

PB4060

1B

CP4050H

CP4050

PB4050

1C

TOOL COMPONENTS

CP4050
Cutting Pin

PB4050
Small Pressure Bolt

TB4060
Tool Body

CP4050H
Cutting Pin Holder

FP5060
Rivet Flare Pin

TP4050
Tail Piece for Chain Cutting

PH4060C
Clip Link Plate Holder

PH5060R
Rivet Link Plate Holder

TP4060
Tail Piece for Press Fitting
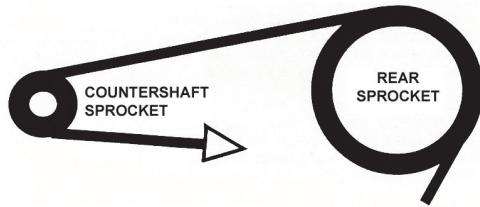
PB4060
Large Pressure Bolt

BH4060
Black Handle

Important! RK recommends using rivet type connecting links whenever possible for the most secure connection.
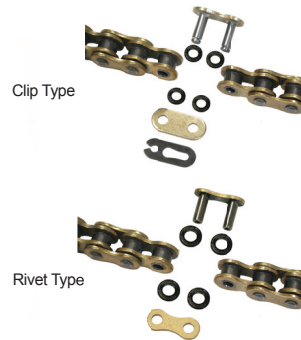
Installation/Press-fitting of Sideplate:

1. Review the drawings for reference. Route chain over and around counter shaft sprocket (Figure 1A).

2. If applicable, put 1 O-ring over each connecting link pin. Slide the pins through the two ends of the chain from the back to connect the chain near the bottom of the rear sprocket (Figure 1B).
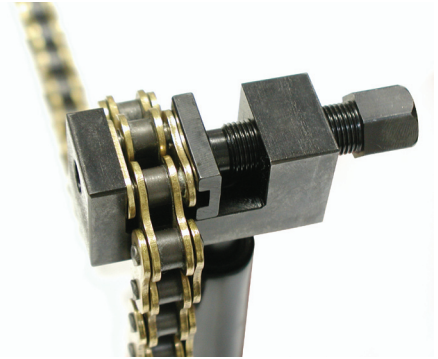
1A

1B

Clip Type
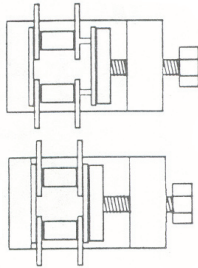
Rivet Type

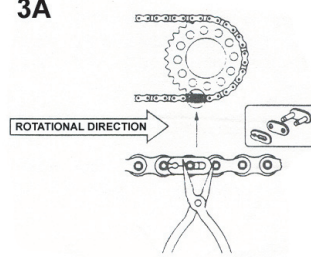**2A**

COUNTERSHAFT SPROCKET

REAR SPROCKET

3. If applicable, put the other two O-rings over each pin and spread the excess grease over all the O-rings.

4. Insert the correct plate holder for the chain (see Plate Holder Selection below) into the large pressure bolt hole and position the connecting link side plate in the plate holder (Figure 2A).

5. Place the tool/plate holder/sideplate assembly under the connecting link and align the pins with the side plate holes (Figure 2B).
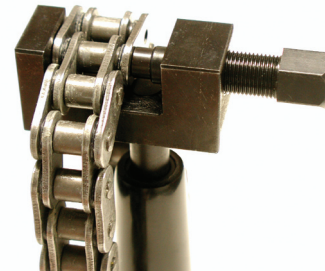
2B

Ready to press

Plate completely pressed

3A

ROTATIONAL DIRECTION

3B

6. Turn the pressure bolt by hand making sure to keep the pins and side plate holes aligned until snug (Figure 2B).

7. Use a 17mm socket and ratchet wrench to tighten the bolt. The side plate should press-fit firmly but without difficulty.

8. Tighten bolt to correct depth allowed by plate holder channel (do not over-torque). Loosen bolt and remove tool.

Installing The Clip
1. Using thin-nose pliers, snap clip into pin grooves with closed end of clip facing rotational direction of chain (Figure 3A).

2. **Warning!!! Make sure the clip is properly tension-seated in the groove of the pins. If the clip is loose, walk the side plate up the pins with pliers until it is snug against the clip. NEVER REUSE A CONNECTING LINK.**

RK Pin Hole Riveting:
First, follow procedures 1-8 above.
1. Remove plate holder and insert flare pin FP5060 into the large pressure bolt of the tool and insert tail piece TP4060 into hole in tool wall opposite the pressure bolt.

2. Place the tool under the connecting link. Align the flare pin with the hole in the end of the pin. Make sure the other end of the link pin is seated in the tail piece (Figure 3B). Tighten the bolt by hand so that the flare pin is snug against the link pin hole.

3. Use a 17mm socket and ratchet wrench to tighten the bolt until the pin hole is flared out sufficiently to keep the side plate from coming off. Repeat this procedure for the second pin.

4. **Warning!!! Tighten the bolt only until firm resistance is felt, then loosen the bolt and inspect the pin for complete, even flaring. Do not over-tighten the bolt – you may bend or damage the link pins or bind the link entirely. A pronounced, even flare will securely connect the chain links together.**

Plate Holder Selection:

PH4060C – To press-fit **Clip** sideplates for 520/525/530/532/630/632 O-ring.
PH5060R – To press-fit **Rivet** sideplates for 520/525/530/532/630/632 O-ring.