

HEX CRIMP TOOL INSTRUCTION SHEET

You have purchased a quality tool made in the USA from Ben Hughes Communication Products Company.

The design of this tool specifically avoids the use of a ratchet closure to avoid crimping an improperly placed connector or crimp ring. In place of a ratchet, a toggle action insures a proper crimp. Read **carefully** the following instruction to ensure the long life of your Cable Prep® hex crimp tool.

Lubrication: Oil should be applied at regular intervals to all exposed pin points. These tools were designed as a crimp tool to do a specific task and effective work. **DO NOT** use these tools as a hammer and **DO NOT** use these tools as pliers.

Before crimping the connector, remove all foreign material from the jaw area.

Readjusting your Hex Crimp Tool:

You will need a small pick or needle-nosed pliers for this procedure.

1. Remove the fastener holding the adjustment wheel in place.
2. Lift the adjustment wheel until it just clears the compression bump but is not removed from the D-pin.
3. Rotate the D-pin and cogged wheel together in a counterclockwise direction one notch.
4. Reset the cogged wheel down onto the D-pin and against the compression bump. Fully compress the handles and the restored toggle should be evident. If no toggle is felt, lift the cogged wheel and rotate it one more notch counterclockwise.
5. When the toggle action has been restored, lock down the adjustment wheel. The adjustment wheel lock down may vary due to design changes.

Field Maintenance Kits (MK-1050) are available to you through your distributor. The MK-1050 consists of 4 retaining pins, fasteners, U-shaped spring washers, 1 set of links, adjustment wheel and retaining rings.

Installing the Field Maintenance Kit (MK-1050):

You will need needle-nosed pliers, a soft-faced hammer, pick-like object, punch and knife for this procedure.

1. Remove the adjustment wheel.
2. Retaining pins hold the jaws in the frame of the tool. Since the tool is riveted together, remove and replace these pins *one at a time* or it becomes difficult to line up the jaws to place them back into the frame.
3. Replace the pins in the frame first and then the pins in the links. Each pin has a ring on one end and flat head on the other end. Pry the ring off the pin, inserting the pick into the other end. Pry the ring off the pin, inserting the pick into the split on each ring.

4. Push the pin out of the tool with a punch and hammer. At each pin location there is a U-shaped spring washer between the jaws, frame and links. Replacement washers are in the maintenance kit.
5. Once the pin is removed, use a thin knife blade to push out the old washer. Then insert a new washer and slide it between the jaw and frame until you can see it through the pinhole. At that point, use a small tapered punch to align the spring washer and jaw then install a new pin in same direction as the old pin (the flat side shows on the unmarked side of tool).
6. Rings that hold the pins in the tool are supplied by the MK-1050. These are put on the end of the pins by using a soft-faced hammer. Make sure the ring is seated in the pin groove and closed.
7. Now that the pins in the frame are replaced, you can install the two pins holding the links. This time remove both pins. Each link has a short end, a round side and a flat side. The flat side goes against the tool. The short end of the link goes on the jaw side. An easy way to install new links is to build a small assembly. Push the two remaining pins through the holes in one link, then place a spring washer over each pin. For best results, set the link assembly on a hard surface and place the tool over the link assembly as it sits on the table. Now place the other link over the pins and using a soft-faced hammer, put rings onto the pins ensuring that the ring is seated in the pin groove and closed.
8. Install new adjustment wheel.

If these procedures fail to restore the toggle, Ben Hughes Communication Products Company will repair tools for a nominal fee.

Call our office for a return authorization number (RA#) and send the tools to our repair department at: 207 Middlesex Avenue; P.O. Box 373, Chester, CT 06412 USA.