

PROPER USE GUIDELINES

Cumulative Trauma Disorders can result from the prolonged use of manually powered hand tools. Hand tools are intended for occasional use and low volume applications. A wide selection of powered application equipment for extended-use, production operations is available.

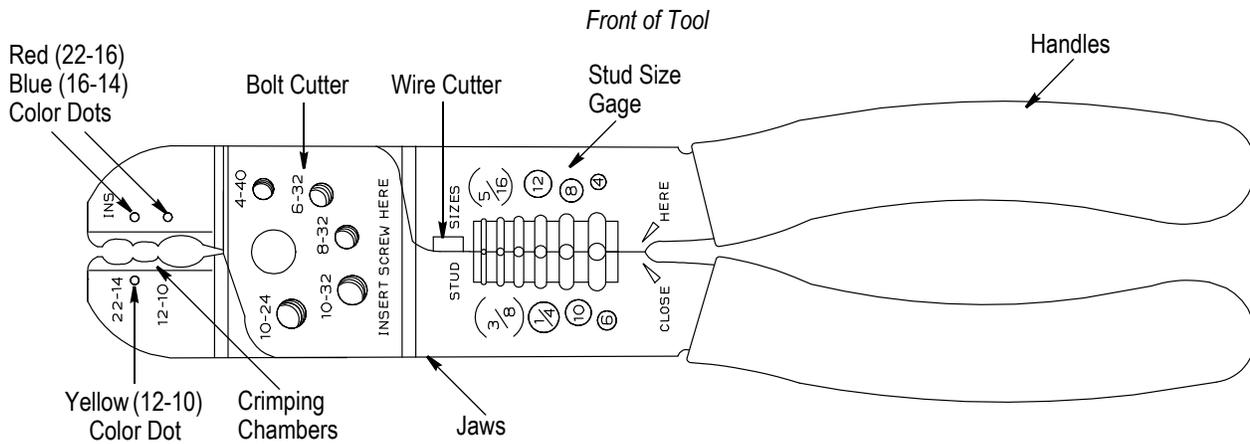


Figure 1

1. INTRODUCTION

SUPER CHAMP Hand Tool 696126-1, shown in Figure 1, is used to cut and strip wire and crimp the insulated terminals and splices to wires listed in Figure 2. The hand tool is also capable of cutting bolts and gaging various stud sizes.

Reasons for reissue of this instruction sheet are provided in Section 6, REVISION SUMMARY.

2. DESCRIPTION

The hand tool consists of two jaws and handles. The jaws feature crimping chambers, a bolt cutter, wire cutter, stud size gage, and strip length gage. The crimping chambers are marked and color-coded to a specified wire size range. See Figure 1.

The stud size gage can be used to assist in selecting the correct terminal stud size.

3. OPERATION

3.1. Cutting the Wire

Place the wire between the cutting surfaces of the wire cutter, and close the handles.

3.2. Stripping the Wire

1. Using the strip length gage (on back of hand tool), determine the strip length of the wire.
2. Place the wire in the applicable position of the wire stripper, then close the handles, rotate the tool, and pull the wire from the tool.

WIRE SIZE RANGE (AWG)	TERMINAL OR SPLICE	
	DESCRIPTION	ILLUSTRATION (Not to Scale)
22-16	Ring Tongue	
	Butt	
	Hook Tongue	
16-14	Ring Tongue	
	Butt	
	Parallel	
	Hook Tongue	
16-10	Closed End	
12-10	Ring Tongue	
	Butt	
	Spade Tongue	

Figure 2

3.3. Crimping

Refer to Figure 3, and proceed as follows:

A. Terminals

1. Open the tool handles.

2. Center the wire barrel in the appropriate crimping chamber.
3. Insert the stripped wire into the wire barrel until it stops.
4. Close the tool handles completely.
5. Center the insulation barrel in the crimping chamber.
6. Close the tool handles completely.
7. Inspect the crimp according to the applicable Application Specification (114-series).

B. Splices

1. Open the tool handles.
2. Center the wire barrel in the appropriate crimping chamber.
3. Insert the stripped wire into the wire barrel until it stops.
4. Close the tool handles completely.
5. Center the insulation barrel in the crimping chamber.
6. Close the tool handles completely.
7. Re-position the splice so that the other wire barrel is centered in the crimping chamber. Then follows Steps 3 through 6.

8. Inspect the crimp according to the applicable Application Specification (114-series).

3.4. Cutting Bolts

1. Open the tool handles.
2. Thread the bolt into the appropriate-sized opening on the side of the tool marked, "INSERT SCREW HERE". See Figure 1.
3. Close the tool handles until the bolt is cut.

3.5. Using the Stud Size Gage

Lay the terminal stud hole over a stud size circle marking on the jaw of the hand tool. The circles represent the actual diameter of the stud. The correct stud size circle will be visible through the terminal stud hole.

4. MAINTENANCE AND INSPECTION

It is recommended that a maintenance and inspection program be performed periodically to ensure dependable and uniform terminations. Frequency of inspection depends on:

- type and size of the product crimped
- degree of operator skill
- presence of abnormal amounts of dust and dirt
- your own established standards

The hand tool is thoroughly inspected before packaging. Since there is a possibility of damage during shipment, the hand tool should be inspected immediately upon arrival at your facility.

5. REPLACEMENT AND REPAIR

This tool is not repairable. Order replacement tools through your representative, or call 1-800-526-5142, or send a facsimile of your purchase order to 717-986-7605, or write to:

CUSTOMER SERVICE (038-035)
 TYCO ELECTRONICS CORPORATION
 PO BOX 3608
 HARRISBURG PA 17105-3608

6. REVISION SUMMARY

Revisions to this instruction sheet include:

- Updated instruction sheet to corporate requirements
- Modified Figures 1 and 2
- Modified Paragraph 3.3
- Replaced Figure 6 with reference to application specification

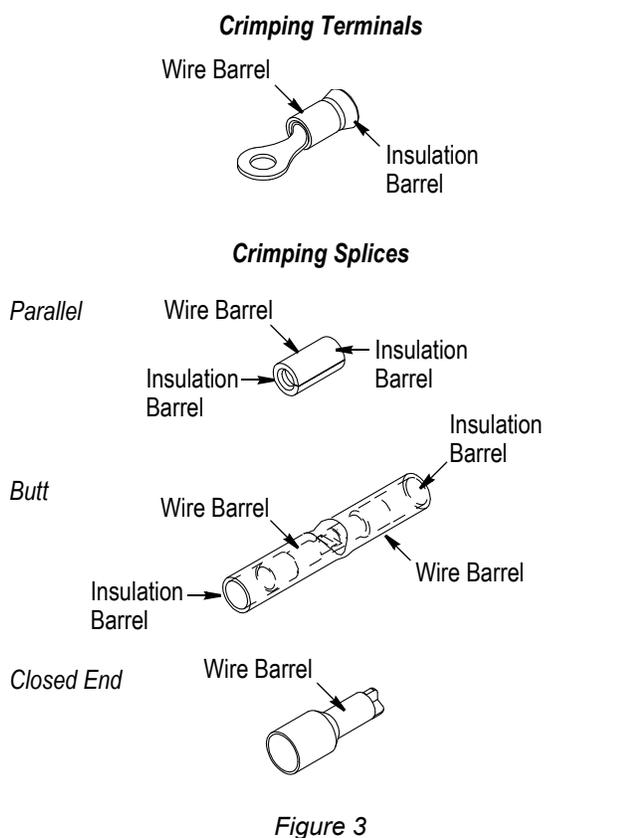


Figure 3