

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.

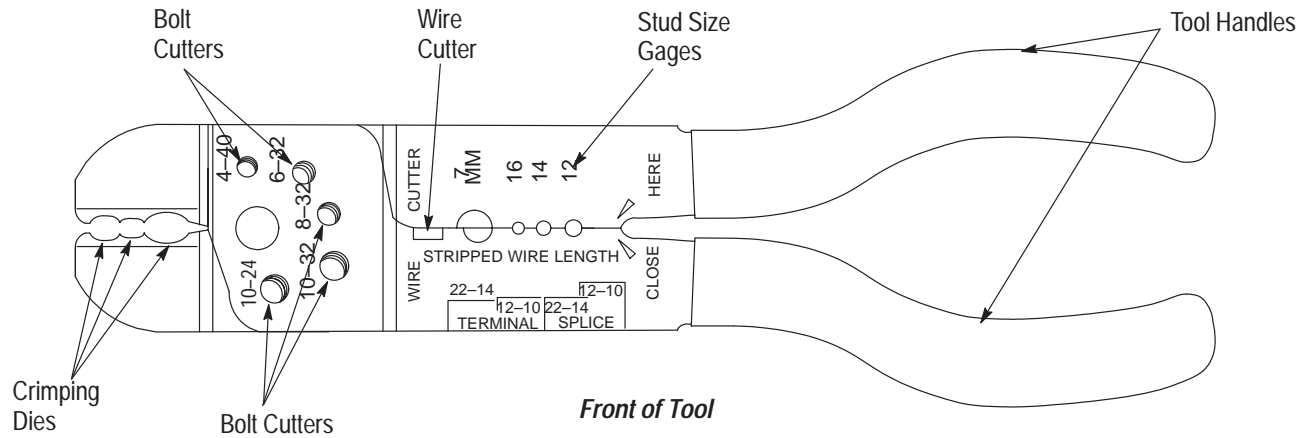


Figure 1

1. INTRODUCTION

Super CHAMP Service Hand Tool 696201-1 is a service hand tool used to cut and strip wire, and crimp the terminals and splices shown in Figure 2.

NOTE

Dimensions are in metric units [with U.S. customary units in brackets] unless otherwise specified.

Terminal/Splice	Wire Size	Stud Size
	22 - 16 AWG	10
		6
		--
		Butt Splice
	16 - 14 AWG	6
		10
		1/4
		Butt Splice
		Parallel Splice
	12 - 10 AWG	10
		Butt Splice
	16 - 10 AWG	Closed-End Connector
	22 - 16 AWG	6
	16 - 14 AWG	8
	12 - 10 AWG	10

Figure 2

2. HAND TOOL OPERATION

2.1. Cutting the Wire

Cut the wire with wire cutter portion of the service hand tool. Place wire between the cutting surfaces and close the handles. Refer to Figure 3.

2.2. Stripping the Wire

Strip the wire using the stripping portion of the hand tool. See Figure 3. Use the strip length gage on the tool to determine the strip length, place the wire in the appropriate stripping position, close the handles, rotate the tool, and pull the wire from the tool.

2.3. Crimping Terminals

1. Cut and strip the wire as described in Paragraphs 2.1 and 2.2.
2. Open the handles.
3. Place the terminal/splice in the appropriate position of the crimping tool. See Figure 4.
4. Insert the stripped wire into the terminal barrel.
5. Close the handles and crimp the terminals/splices as shown in Figure 5.
6. Crimped terminals/splices should appear as shown in Figure 6.

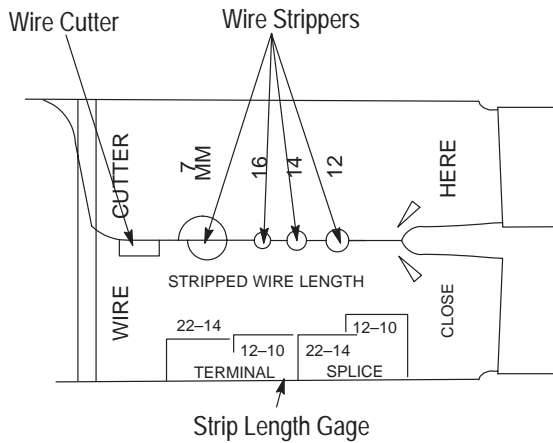


Figure 3

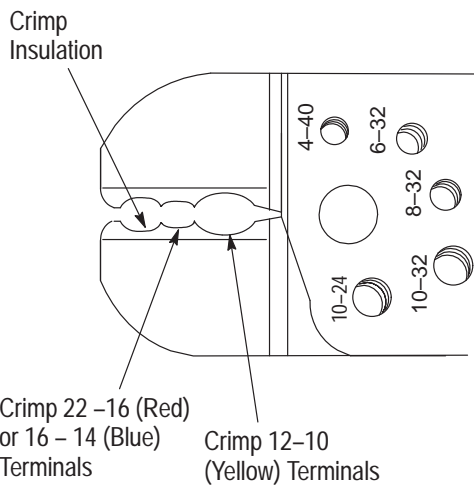


Figure 4

2.4. 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.

NOTE Be sure to allow an extra 3.05 [.12] for the thickness of the tool.

2.5. Using the Stud Size Gage

The stud size gage can be used to assist in selecting the correct terminal stud size. The circles on the tool handle represent the actual diameter of the stud. The correct stud size circle is completely visible through the terminal stud hole. Refer to the other side of the hand tool.

3. MAINTENANCE AND INSPECTION

It is recommended that a maintenance and inspection program be performed periodically to ensure dependable and uniform terminations.

Frequency of inspection should be adjusted to suit your requirements. Frequency of inspection depends on:

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

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

4. REVISION SUMMARY

Per EC 0990-1496-01:

- Initial release of 408-8619

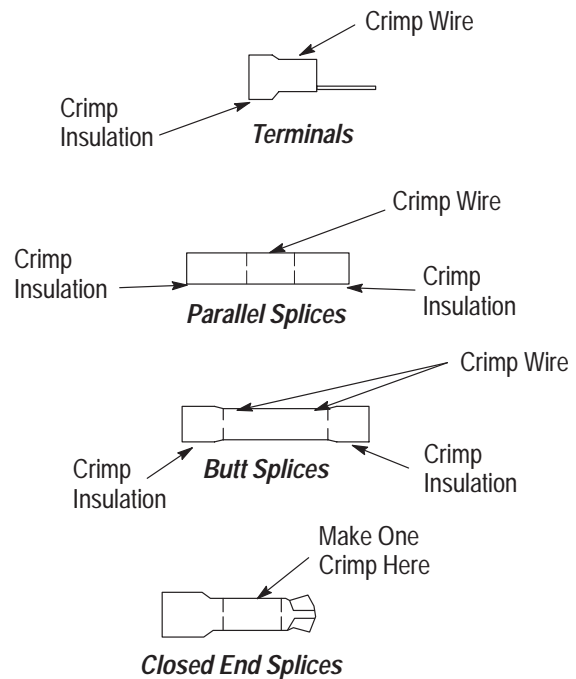


Figure 5

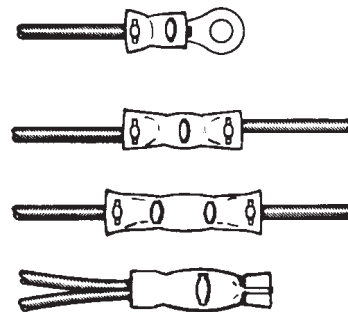


Figure 6