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CRIMP-RJ45-SF

8 Contact Modular Crimp Tool
For RJ45 Superflat Modular Plugs

Introduction

The CRIMP-RJ45-SF Crimping Tool enables the user to crimp RJ45 plugs to superflat solid and stranded CAT5e/6 (CATx) cables. The built-in wire trimmer and cable stripper allows for faster cable preparation with just one tool. Plastic-covered handles reduce fatigue and increase comfort.

The correct wiring schemes for the CATx cable are standard EIA/TIA 568A and 568B (Fig. 1).

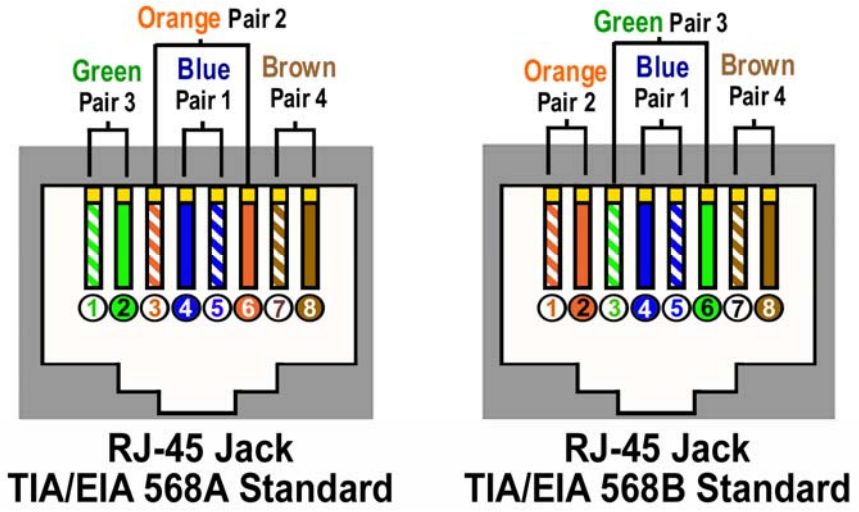


Fig. 1

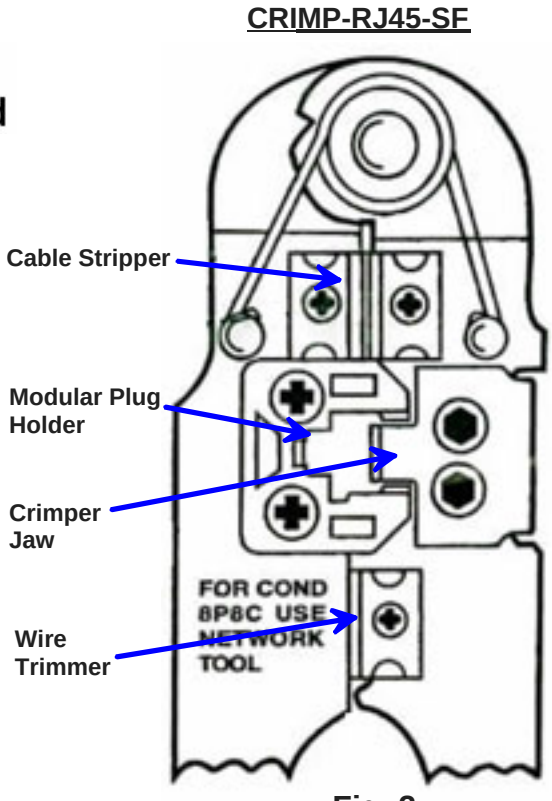
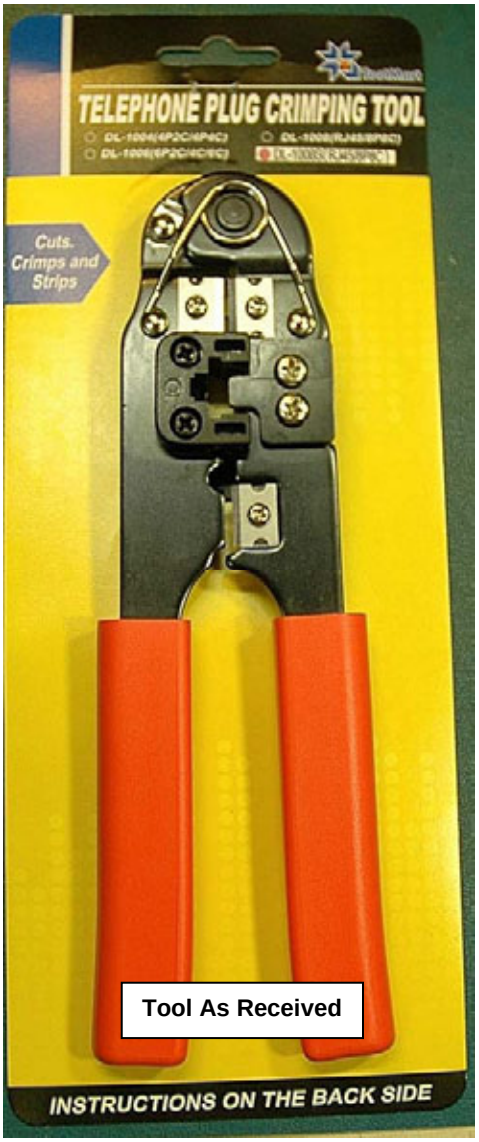


Fig. 2

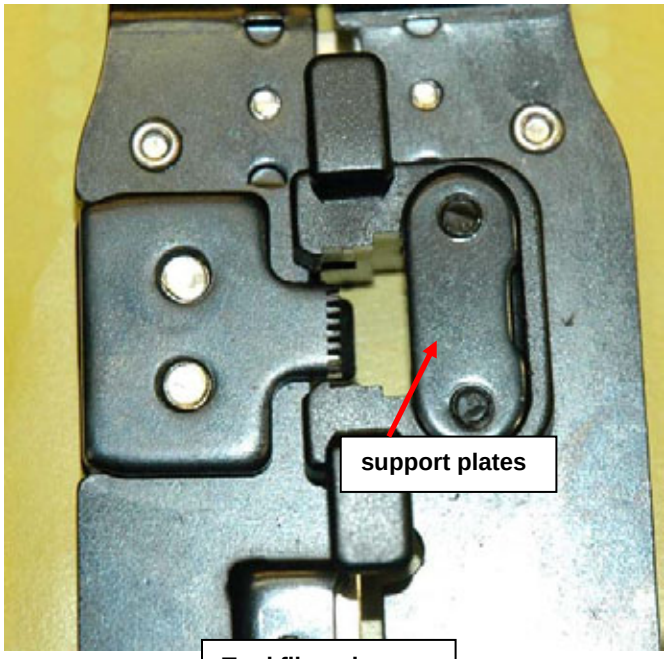
Tool Preparation

Before the tool can be used with the RJ45-PLG-SF plugs, the tool must be setup to work properly with this connector.

1. As received, the tool has two plates mounted that support the body of the RJ45 plug during crimping. The correct plate must be removed, rotated, and re-installed correctly in order to provide proper crimping performance with this plug.

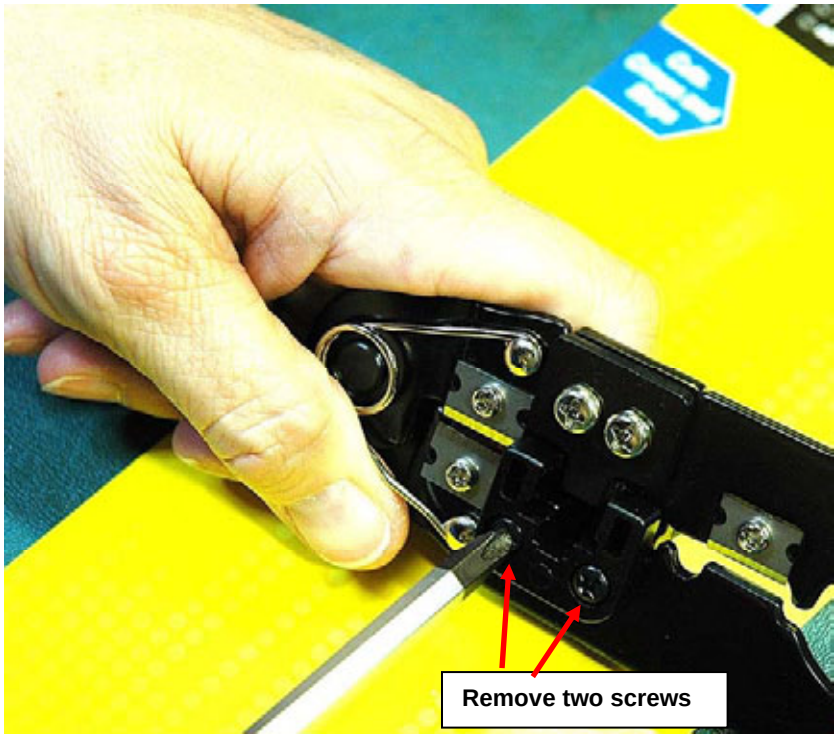


Tool As Received

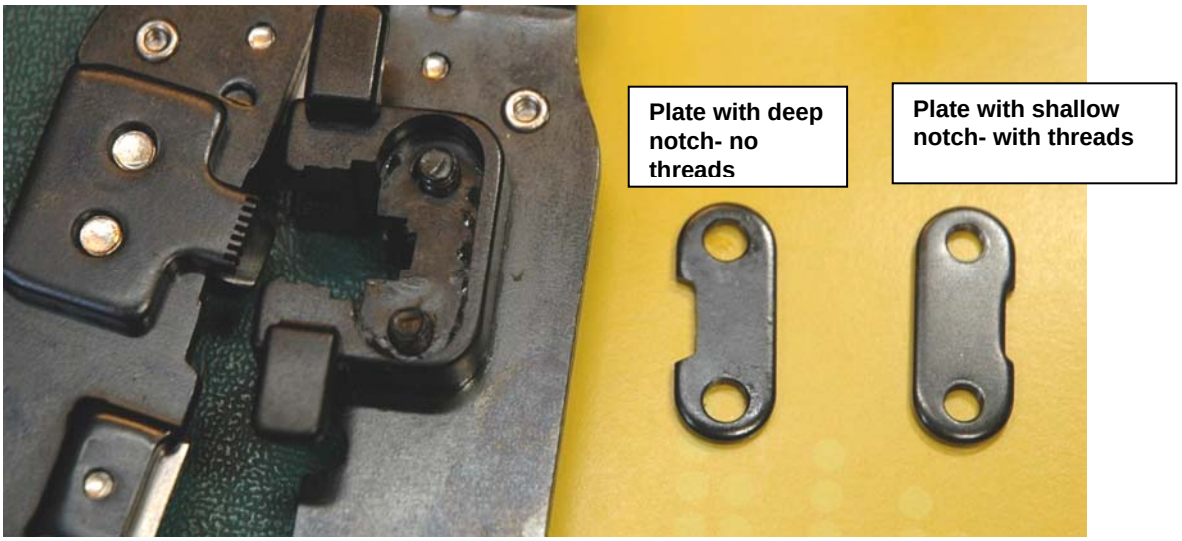


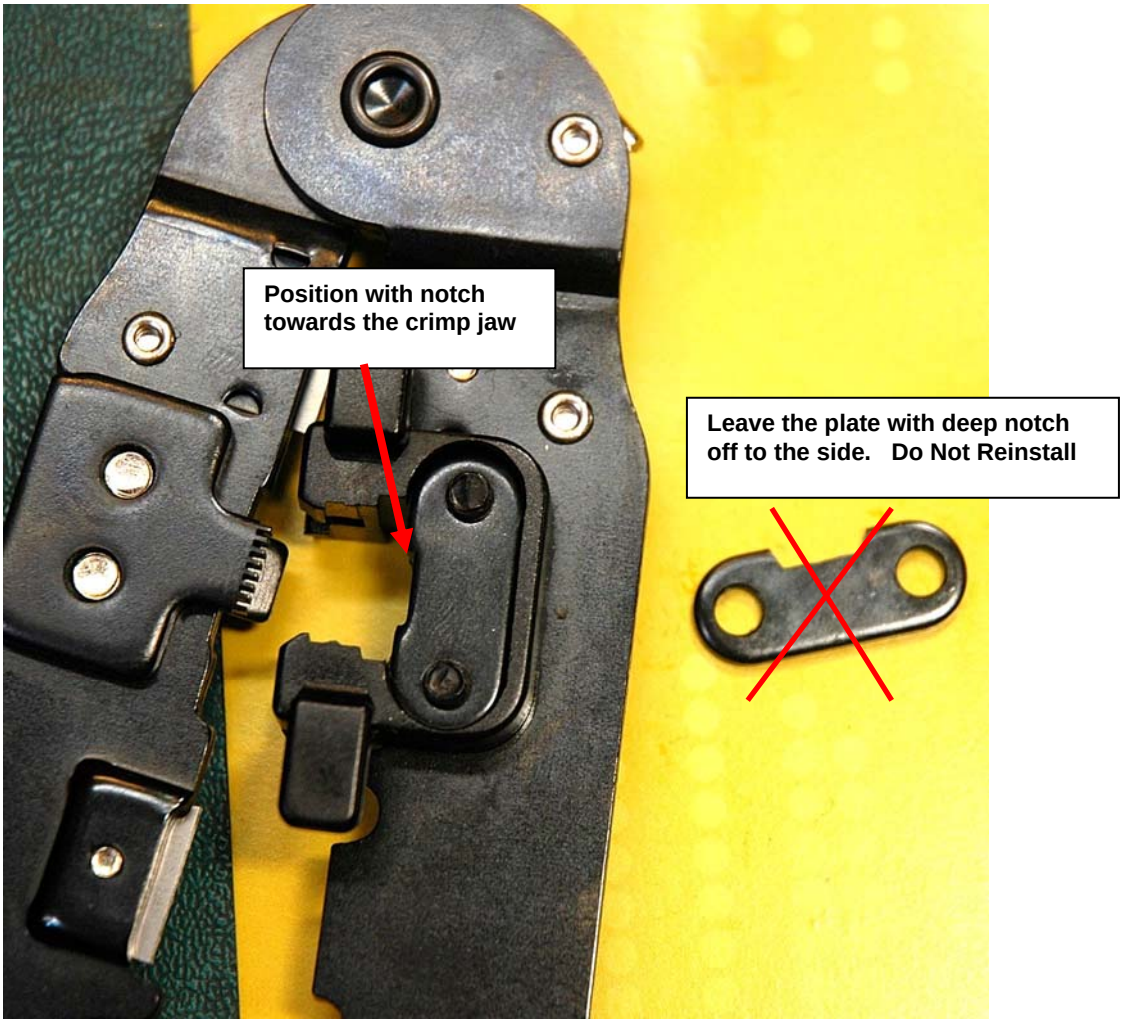
Tool flipped over

2. Remove the two screws that hold the support plates in place.



3. With the screws removed, the two plates will fall off. One plate is threaded and has a shallow notch. One is not threaded and has a deeper notch. Re-install the plate with the threads and shallow notch. Position the notch such that the notch faces the crimping jaw.





The CRIMP-RJ45-SF is now ready to crimp RJ45-PLG-SF onto CATx cable.

Operation

1. Cut the CATx cable to the desired length.

2. Insert an end of the CATx cable through the cable stripper (see Fig. 2) until it reaches the stop. As you squeeze the tool, rotate the tool approx. 90 degrees (1/4 rotation) around the cable to cut through the cable insulation.

3. Pull back on the tool (holding cable perpendicular to the tool) to remove the insulation and expose the 4 twisted pairs (Fig. 3).

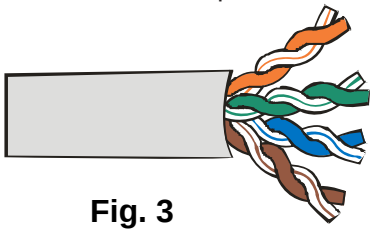


Fig. 3

4. Untwist the wires and fan them out individually. Arrange the wires into the correct color scheme. Note that each of the wires is either a solid color, or a white wire with a colored stripe. The colors are green, orange, blue, and brown. The colors need to be in the order shown in Fig. 1 (either 568A, or 568B).

5. Flatten the wires in their correct order, and use the built-in wire trimmer to trim them evenly across the top. It is best to trim the wires to about 1/2" in length. Figure 4 shows the wires in order for EIA/TIA 568B.)

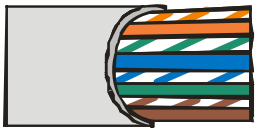
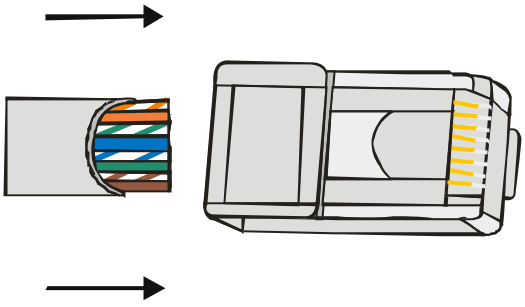
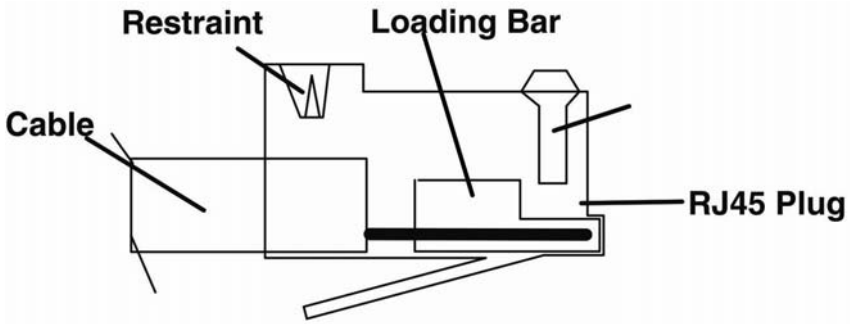


Fig. 4

6. While holding the wires flat between your thumb and forefinger, insert the wires into the RJ45 connector, so each wire is in its own slot. (If your connector comes with a loading bar, like RJ45-PLG-SF, insert the wires into the loading bar in the proper order first.) Push the prepared cable into the RJ45, so all 8 conductors touch the end of the connector. The insulation jacket should extend beyond the crimp point of the RJ45 (see Fig. 5).

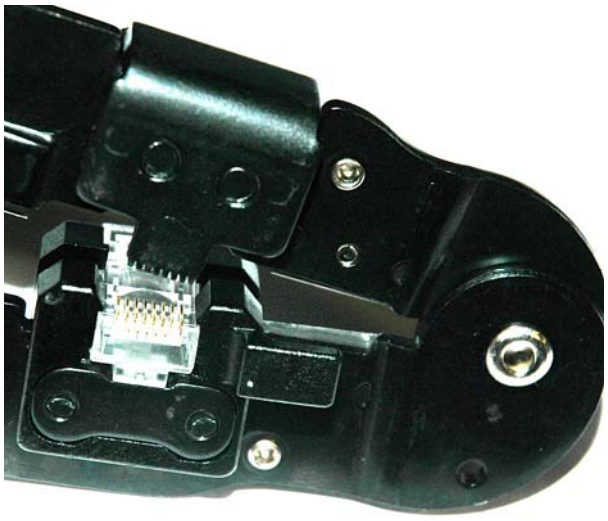


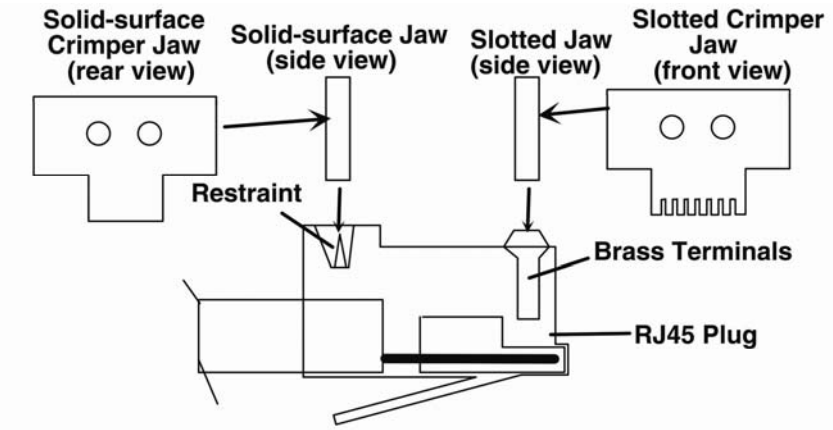


Side View of Plug with Cable Inserted

Fig. 5

7. Insert the RJ45 into the crimp tool aligned to the slotted jaw (Fig. 6) and squeeze the tool firmly.





Side View of Plug Line Up with Crimp Jaws

Fig. 6

8. The RJ45 should be firmly crimped to the CATx insulation. It is necessary that the wiring scheme be repeated identically on each end of the wire.

9. Testing each termination with a CAT5 wire tester (NTI PN TESTER-CABLE-CAT5 for example-sold separately**)** will insure that your wire terminations were completed successfully for flawless use of the new cable.

Technical Specifications

Applicable Cable Types	CAT5e/6 UTP and STP Superflat
Connector Types	8P8C (RJ45)
Dimensions W x D x H (in.)	2.375x1.00x7.875
Materials	All Steel Construction