

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.

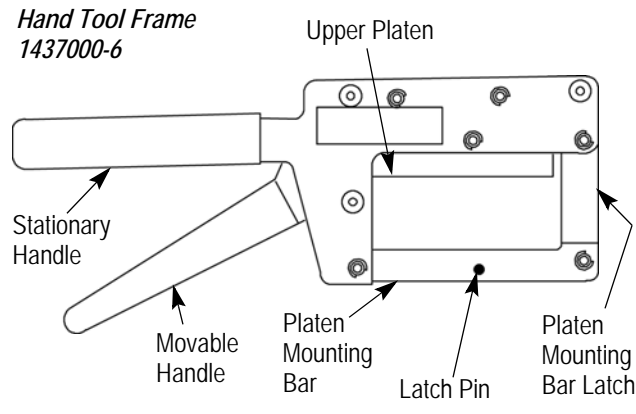
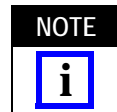


Figure 1

1. INTRODUCTION

Hand Tool Frame 1437000-6 accepts various platen blocks and is used to crimp a wide variety of products. Refer to Figure 2 for platen block and product cross

reference. The following instructions are general information only. Refer to the instruction sheets packaged with the platen blocks for specific crimping instructions.



Illustrations are for identification only and are not drawn to scale.

2. DESCRIPTION (Figure 1)

The hand tool frame features a stationary handle, movable handle, upper platen, platen mounting bar, latch pin, and platen mounting bar latch.

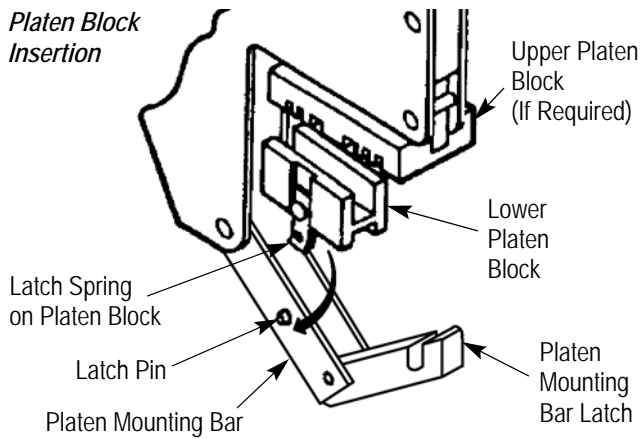
3. PLATEN BLOCK INSERTION (Figure 3)

1. Snap lower platen block into platen mounting bar and latch pin.
2. If required, assemble upper platen block onto upper platen of tool frame and tighten setscrews. See Figure 2 for part numbers with upper platen blocks.

TE CONNECTIVITY PLATEN BLOCK PN	PREVIOUS PLATEN BLOCK PN	PRODUCT DESCRIPTION	UPPER PLATEN BLOCK
1437000-8	779-2150	All 609 Series Female transition Socket Connectors	No
1437000-9	779-2151	All 622 AND 636 Series Female Transition Socket Connectors	
1-1437000-2	779-2152	Standard PCB Solder Transition Connectors	
1-1437000-3	779-2153	609 Series Slimline PCB Solder Transition Connectors	
1-1437000-4	779-2155	All Low Profile DIP Plugs	
1-1437000-6	779-2156	All Standard DIP Plugs	
2-1437000-0	779-2162	All DIP Socket Connectors	
2-1437000-1	779-2164	All Card Edge Connectors	
2-1437000-2	779-2166	All Plastic "D" Connectors Except 50 Position	
2-1437000-3	779-2166M	All Metal "D" Connectors Except 50 Position	
2-1437000-5	779-2167	50 Position "D" Connectors, Metal and Plastic	No
2-1437000-7	779-2168A	All 622 Series Male Connectors	
3-1437000-2	779-2172	All Microribbon Connectors	Yes
3-1437000-4	779-2173	Ribbon and "D" Connectors Flat Cable Backshell	
3-1437000-6	779-2174	Ribbon and "D" Connectors Round Cable Backshell	No
3-1437000-7	779-2175	All 622 Series Slimline PCB Solder Transition Connectors	
3-1437000-9	779-2179	All Low Profile "D" Connectors	
4-1437000-1	779-2179M636	All 636 Series D-Sub connectors	

Figure 2

Platen Block Insertion



Note: The platen mounting bar latch can be in the “open” or “locked Position to insert the lower platen block.

Figure 3

NOTE
 Ensure that the upper platen block is seated properly before tightening the setscrews.

3. Before returning the platen mounting latch to the support or “locked” position, refer to Section 4, PRODUCT ENTRY. Front product entry requires latch to remain in the “open” position.

4. PRODUCT ENTRY

4.1. Side Entry (Figure 4)

In a majority of operations, the cable and connector are inserted from the side of the tool.

Side Entry

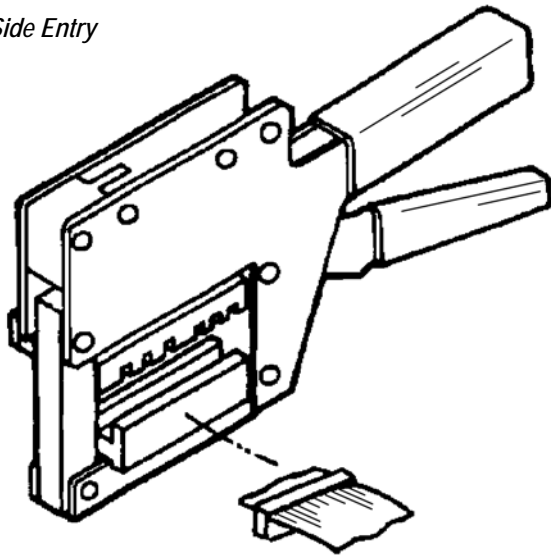


Figure 4

4.2. Front Entry (Figure 5)

To meet loading requirements of daisy-chaining, the platen mounting latch swings out of the support or

“locked” position and product is inserted from the front of the tool frame. Return latch to the “locked” position before crimping product.

Front Entry

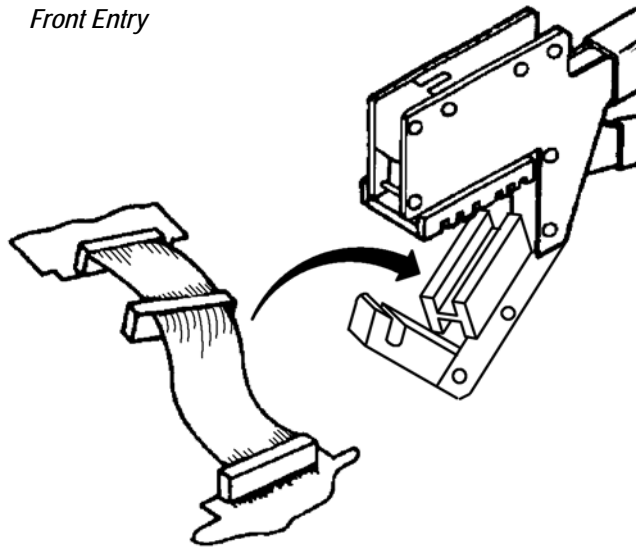


Figure 5

5. CRIMPING PROCEDURE (Figure 6)

NOTE
 The following crimping procedure is typical of most platen blocks used in this tool. Always refer to instruction sheets packaged with the platen blocks for specific crimping procedures.

1. Place product in platen block(s). See Figures 4 and 5 for side or front entry.
2. Close tool handles and terminate product.
3. Open tool handles and latch (if necessary) and remove product.

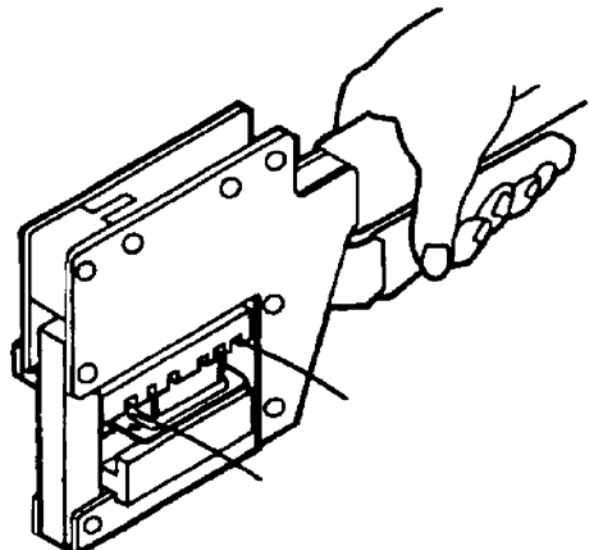


Figure 6

6. MAINTENANCE AND INSPECTION PROCEDURE

TE Connectivity recommends that a maintenance and inspection program be performed periodically to ensure dependable and uniform terminations. Though recommendations call for at least one inspection a month, frequency of inspection depends on:

1. The care, amount of use, and handling of the hand tool.
2. The presence of abnormal amounts of dust and dirt.
3. The degree of operator skill.
4. Your own established standards.

The hand tool is inspected before being shipped; however, it is recommended that the tool be inspected immediately upon arrival to ensure that the tool has not been damaged during shipment.

6.1. Daily Maintenance

1. Hand tool should be immersed (handles partially closed) in a reliable commercial degreasing compound to remove accumulated dirt, grease, and foreign matter. When degreasing compound is not available, tool may be wiped clean with a soft, lint-free cloth. Do NOT use hard or abrasive objects that could damage the tool.
2. Make certain that the pins are in place.
3. All pins, pivot points, and bearing surfaces should be protected with a THIN coat of any good SAE 20 motor oil. Do not oil excessively.
4. When the tool is not in use, keep handles closed to prevent objects from becoming lodged in the platen blocks. Store the tool in a clean, dry area.

6.2. Periodic Inspection

A. Lubrication

Lubricate all pins, pivot points, and bearing surfaces with SAE 20 motor oil as follows:

- Tool used in daily production - lubricate daily
- Tool used daily (occasional) - lubricate weekly
- Tool used weekly - lubricate monthly

Wipe excess oil from tool, particularly from terminating area. Oil transferred from the terminating area onto certain terminations may affect the electrical characteristics of an application.

B. Visual Inspection

Inspect tool frame assembly for worn, cracked, or broken platen blocks. If damage is evident, contact a TE representative.

7. REPLACEMENT AND REPAIR

Order additional tool frames and platen blocks through your TE 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

For customer repair service, call 1-800-526-5136.

8. REVISION SUMMARY

Since the previous version of this document, the following changes were made:

- Consolidated items in last column of Figure 2 for clarity.
- Updated document to corporate requirements