

### PROPER USE GUIDELINES

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

### BASE PART NUMBERS OF TAZ PGA SOCKETS

TOOL	SOCKET	TOOL	SOCKET
854234-1	382532	854234-2	382584
	382533		382585

### CUSTOMER-REPLACEABLE PARTS

ITEM NO.	DESCRIPTION	PART NUMBER	QTY PER ASSY
1	4.78 [.188] Dia Retaining Ring	21045-3	4
2	4.78 [.188] Dia Retaining Pin	1-23619-6	2
3	6.35 [.25] Dia Retaining Pin	7- 59558-5	1
4	6.35 [.25] Dia Retaining Ring	21045-6	2
5	Right Pivot Block	314812-1	1
6	Right (Long) Squeeze Arm	◆	1
7	6.35 [.25] Flat Washer	21055-8	2
8	6.35 [.25]-20 x 2.22 [.875] Socket Head Cap Screw	21001-5	2
9	Left (Short) Squeeze Arm	●	1
10	Left Pivot Block	314810-1	1
11	Handle Assembly	986301-1	1

- ◆ 314761-1 for -1 tool, 314807-1 for -2 tool.
- 314762-1 for -1 tool, 314808-1 for -2 tool.

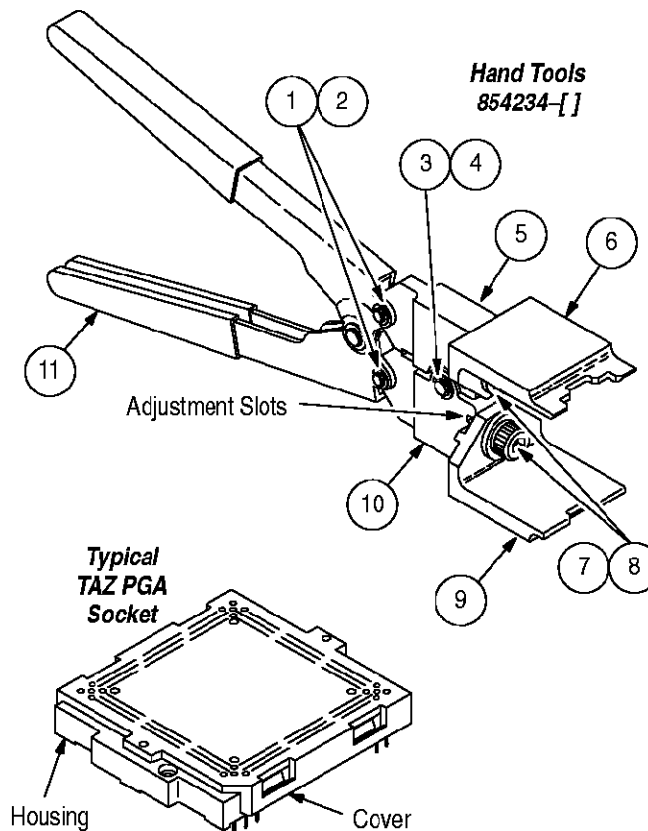


Figure 1

## 1. INTRODUCTION

The AMP\* Hand Tools 854234-1 and 854234-2 are used to open and close Tool Actuated ZIF (TAZ) Pin Grid Array (PGA) Sockets so PGA devices can be installed or removed. Figure 1 lists product part numbers. See AMP Application Specification 114-1068 and AMP Catalog 82172 for additional product information.

The 854234-1 tool is for sockets having grid sizes of 14x14 through 19x19 contacts on 2.54 [.100] centerlines or grid sizes of 27x27 through 37x37 contacts staggered on 1.27 [.050] centerlines. The 854234-2 tool is for sockets having grid sizes of 20x20 through 25x25 contacts on 2.54 [.100] centerlines or grid sizes of 39x39 through 49x49 contacts staggered on 1.27 [.050] centerlines.

### NOTE

Dimensions in this instruction sheet are in metric units [with U.S. customary units in brackets]. Figures and illustrations are for identification only and are not drawn to scale.

Read these instructions thoroughly before using the hand tool.

Reasons for reissue of this instruction sheet are provided in Section 5, REVISION SUMMARY.

## 2. DESCRIPTION (See Figure 2)

Each TAZ PGA Socket has a black cover and a white housing. The tool has two squeeze arms, one longer than the other. The long arm engages the housing, while the short arm engages the cover.

The squeeze arms are attached to pivot blocks by socket head cap screws. The screws can be loosened to adjust the arms to the appropriate slots in the blocks for the size product engaged.

SIZE ADJUSTMENTS FOR SOCKET WIDTH			
HAND TOOL	POSITION OF ARMS IN PIVOT BLOCKS	SOCKET SIZE	
		2.54 [.100]	1.27 [.050]
854234-1	Both Inside Slots	14x14, 15x15	27x27, 29x29
	One Inside, One Outside	16x16, 17x17	31x31, 33x33
	Both Outside Slots	18x18, 19x19	35x35, 37x37
854234-2	Both Inside Slots	20x20, 21x21	39x39, 41x41
	One Inside, One Outside	22x22, 23x23	43x43, 45x45
	Both Outside Slots	24x24, 25x25	47x47, 49x49

Figure 2

### 3. USING THE TOOL

#### 3.1. Loading A PGA Device

1. Position device in socket as shown in Figure 3. An empty socket is designed to always be in the open position.

2. One edge of white socket housing will be visible from above—engage this side of housing with long squeeze arm; long arm will straddle housing boss. Engage cover with short arm; short arm will rest on housing boss.

3. Squeeze tool handles together until socket cover clicks to a closed position (See Figure 4). Cover will visibly move to other side of housing, revealing a white housing edge on side of socket opposite from when it was open.

#### 3.2. Unloading A PGA Device

1. Socket loaded with device will be in closed position; one edge of white socket housing will be visible from above. Engage this side of socket with long squeeze arm of tool. Engage cover with short arm.

2. Squeeze tool handles together until socket cover clicks to open position (See Figure 4). Cover will visibly move to other side of housing, revealing a white housing edge on side of housing opposite from when it was closed.

3. Lift PGA device straight up and out of socket as shown in Figure 5.

**Loading  
PGA  
Device**

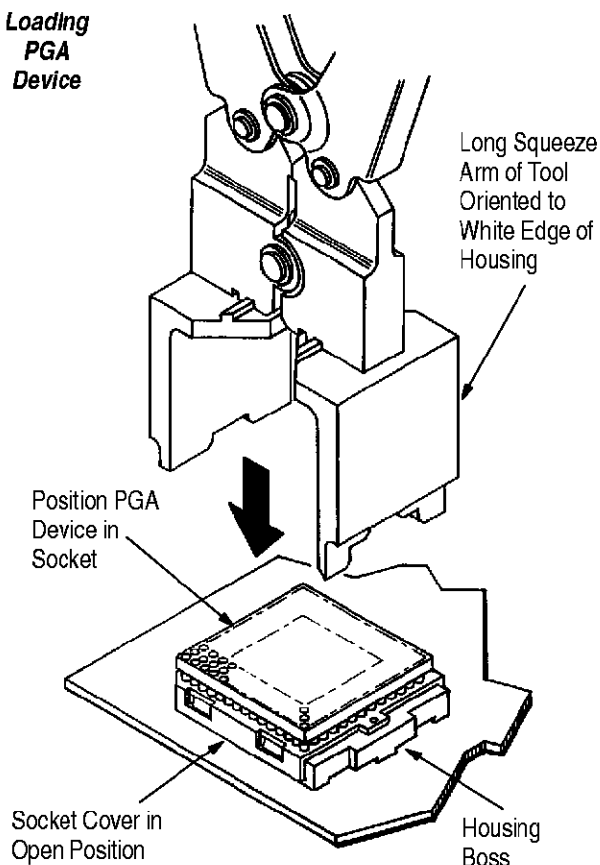


Figure 3

**Engaging  
Socket with  
Hand Tool**

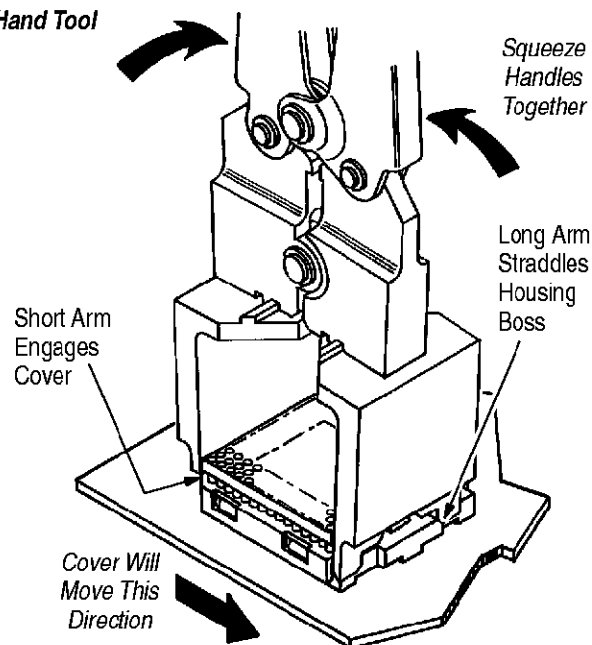


Figure 4

#### 4. MAINTAINING THE TOOL

Inspect the tool when you receive it and at regular intervals to ensure continued good service.

##### 4.1. Daily Maintenance

Tool operator should check the tool at the end of each shift to make sure retaining rings and pins are secure. Clean the tool with a clean, soft, lint-free cloth and lightly coat bearing surfaces using SAE 20 motor oil.

**NOTE**

*DO NOT oil tool excessively.*

Store the tool in a clean, dry area.

##### 4.2. Repair/Replacement

Replacement parts are listed in Figure 1. Order replacement parts through your AMP representative or call 1-800-526-5142, or send a facsimile of your purchase order to 1-717-986-7605, or write to:

CUSTOMER SERVICE (38-35)  
AMP INCORPORATED  
P.O. BOX 3608  
HARRISBURG, PA 17105-3608

For tool repair service, please contact an AMP representative at 1-800-526-5136.

#### 5. REVISION SUMMARY

Since the previous release of this sheet, the following changes were made:

Per EC 0990-0679-99:

- Update document to corporate requirements
- Removed superseded part number in Item 2, Figure 1, and replaced with 1-23619-6
- Changed tool repair service information in Paragraph 4.2, Repair/Replacement
- Added revision summary

**Socket Re-Opened  
to Remove  
PGA Device**

*Lift PGA Device  
Straight Up and  
Out of Socket*

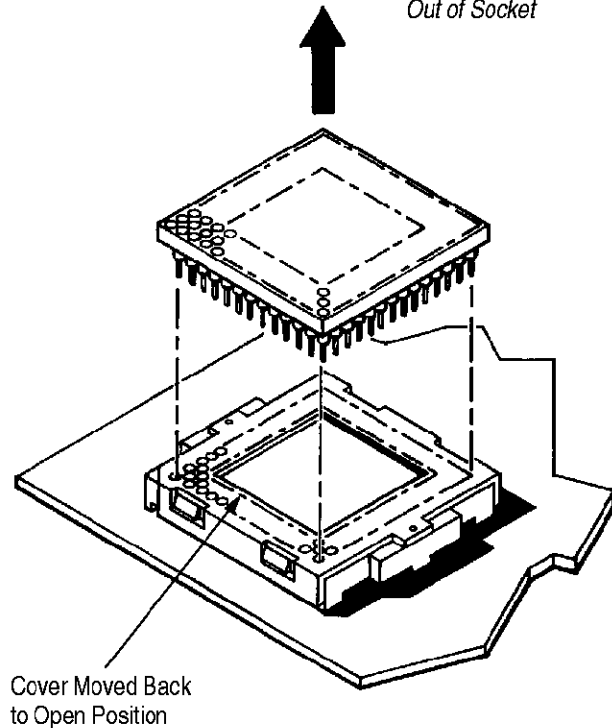


Figure 5