

Fig. 1

### 1. INTRODUCTION

AMP Extraction Tools, listed and shown in Figure 1, are used to extract integrated circuit (IC) chip packages from board-mounted AMP sockets. The types and sizes of applicable AMP chip carrier sockets are also listed in Figure 1. Read these instructions thoroughly before proceeding.

**NOTE** All dimensions on this sheet are in inches unless otherwise specified.

### 2. DESCRIPTION

Each corrosion-resistant metal tool includes a ring and two spring-type arms with hooked tips. The chip carrier sockets are SOJ (small outline J-lead) and HPT (high pressure tin) types in various sizes from 22 to 32 positions. All types are available in either solder-tail or surface-mount versions.

### 3. EXTRACTION PROCEDURE

Select the correct tool for the socket type and size, and proceed:

1. Insert index finger through the ring at the top of the tool.

2. Insert the tool tips into the extraction slots of the socket until the tool bottoms on the socket. See Figure 1.

**CAUTION** Do NOT change the spacing distance of the tool by bending or altering the extractor arms.

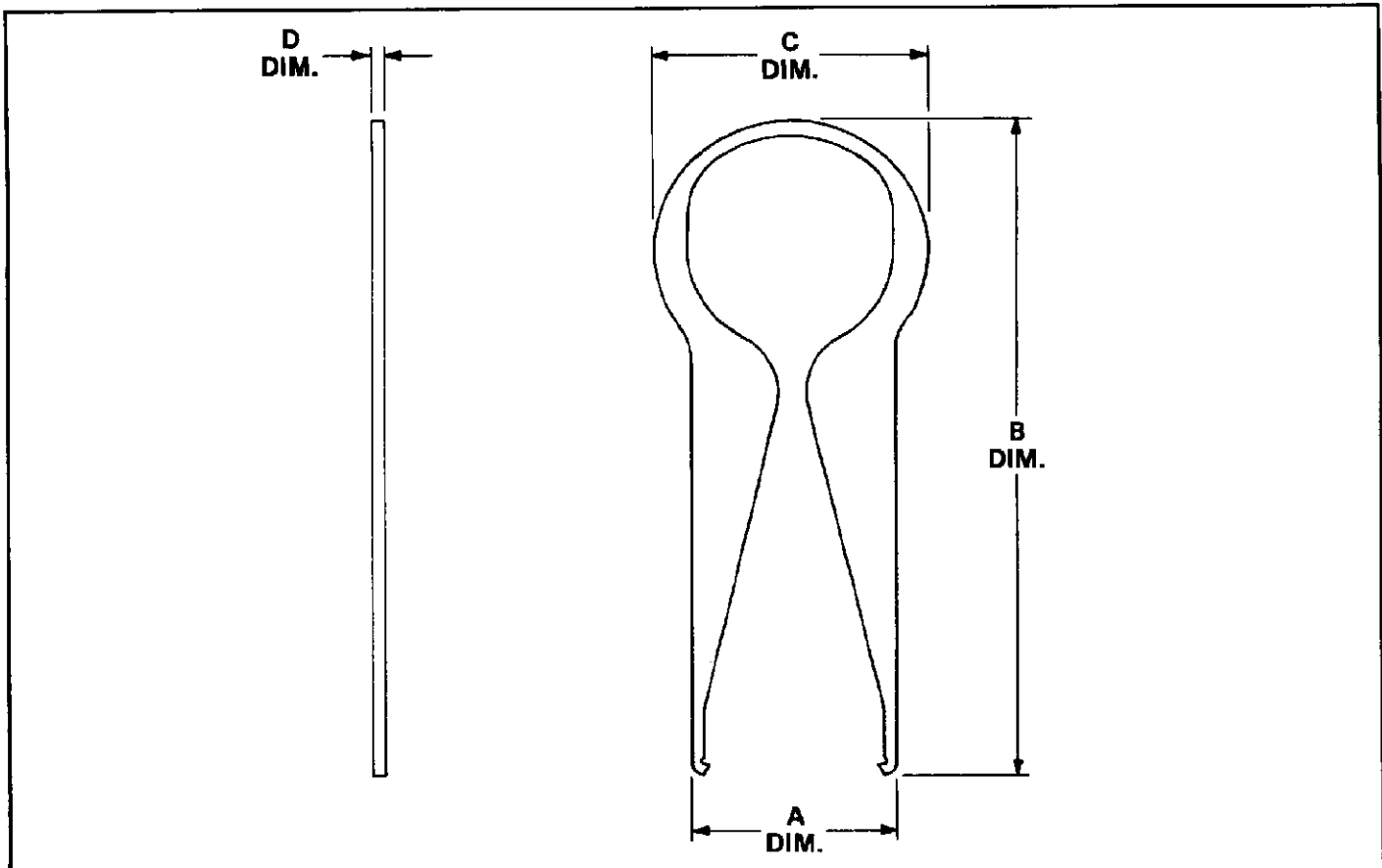
3. Gently squeeze extractor arms together using thumb and middle finger. APPLY ONLY ENOUGH FORCE TO ENSURE THAT HOOKS REMAIN BENEATH THE CHIP CARRIER EDGES.

4. While maintaining finger pressure, pull upward on ring until chip carrier is free of the socket. Release pressure.

### 4. TOOL CERTIFICATION

Each extraction tool should be certified with the information provided in Figure 2. Each tool should be inspected immediately upon its arrival at your facility and at regularly scheduled intervals. Additional tools can be purchased from:

AMP Incorporated  
P.O. Box 3608  
Harrisburg, PA 17105-3608



TOOL PART NO.	TOOL DIMENSIONS				WEIGHT
	A (± .003)	B	C	D (± .002)	
821903-1	.805	2.50	1.00	.050	3 gr (± .08)
821903-2	.755				
821903-3	.705				
821903-4	.655				
821903-5	.738				
821903-6	.593				

Fig. 2