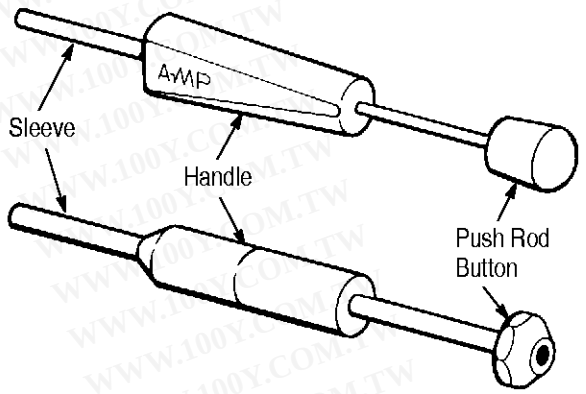
勝 特 力 材 料 886-3-5753170
胜特力电子(上海) 86-21-34970699
胜特力电子(深圳) 86-755-83298787
Http://www.100y.com.tw

Extraction Tools 305183, 305183–4, –6, –7, –8, and 1–305183–3

EXTRACTION TOOL NUMBER	CONTACT	
	TYPE	SIZE
305183	II, III, III(+), VI, X, and Subminiature Coaxial	All Sizes
305183–4	I	14
305183–6	I	10
305183–7	I	8
305183–8	I■	12
	Miniature Coaxial■	20
1–305183–3	I	10



■ Tool 305183–8 can be used for Type I and Miniature Coaxial Contacts.

Figure 1

1. INTRODUCTION

AMP* extraction tools listed in Figure 1 are designed to remove pin and socket contacts from various AMP Multimate connectors. Read these instructions thoroughly before starting.

NOTE *Dimensions on this sheet are in millimeters [with inch equivalents in brackets]. Figures and illustrations are for identification only, and are not drawn to scale.*

Reasons for reissue are provided in Section 6, REVISION SUMMARY.

2. DESCRIPTION

Each tool features a handle and sleeve to release the contact locking lance, and a push rod button to eject the contact.

3. EXTRACTION PROCEDURE

Refer to the table in Figure 1, and then select the appropriate extraction tool according to the contact type and (if applicable) contact size, to be removed.

Proceed as follows:

1. "Unseat" the contact retention spring from the housing contact cavity retention ledge by exerting a small amount of force on the back of the contact. This is accomplished by using Insertion Tool 91002–1 on smaller wire. In the case of larger wire with sufficient column strength, push on the contact wire.

2. Align the sleeve of the tool with the contact to be removed. See Figure 2.

3. Holding the handle, insert the sleeve straight into the contact cavity until it bottoms. To help determine if the extraction tool is fully seated on the housing retention ledge, thereby ensuring that the retention tines are fully retracted, a mark can be placed on the tool's sleeve when it comes to rest on the retention ledge of an empty housing contact cavity. Allow the push rod button to "back out" of the handle as shown in Figure 3.

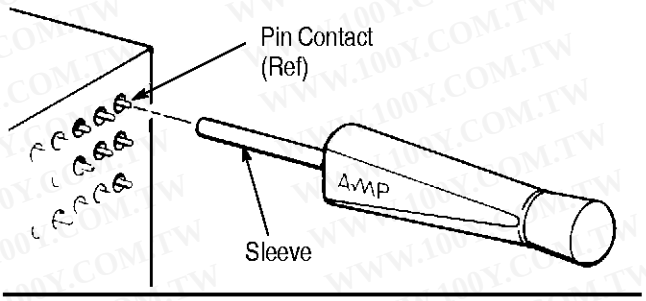


Figure 2

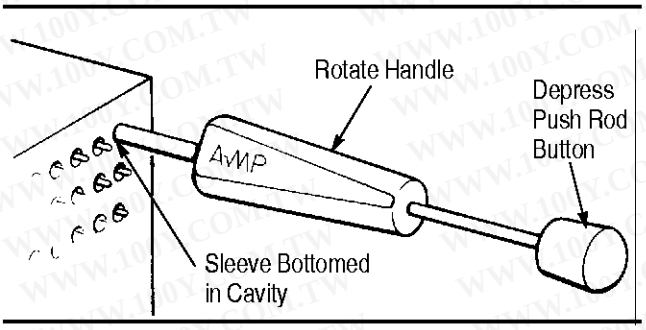


Figure 3

4. Rotate handle to ensure contact locking lance has released.

5. Keep the sleeve firmly bottomed in the cavity, and depress the push rod button. The contact will eject as the button is depressed.

6. Remove the tool from the contact cavity.

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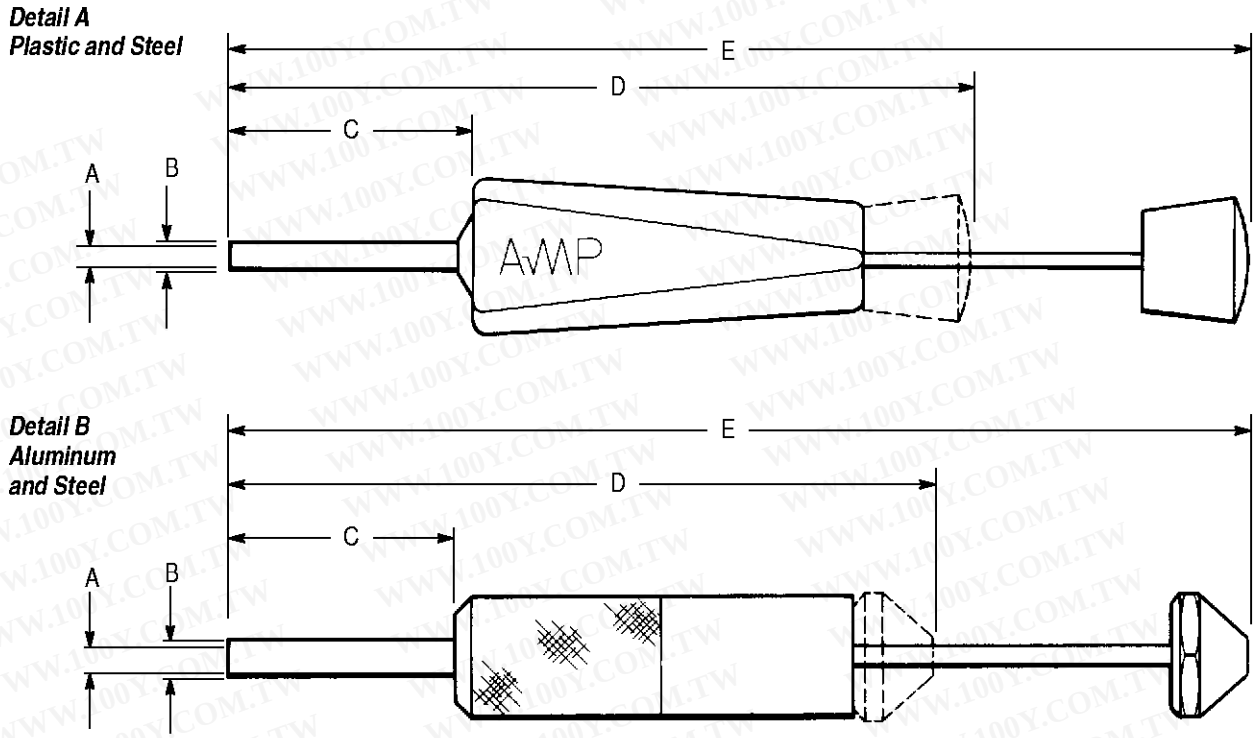

EXTRACTION TOOL	DIMENSION				
	A	B	C	D	E
305183●	2.92 [.115]	3.28 [.129]	30.73 [1.21]	81.28 [3.20]†	115.06 [4.53]
305183–4●	4.11 [.162]	4.55 [.179]	25.65 [1.01]	71.88 [2.83]	104.90 [4.13]
305183–6	5.77 [.227]	6.38 [.251]	25.65 [1.01]	71.88 [2.83]	104.90 [4.13]
305183–7	6.50 [.256]	7.21 [.284]	25.65 [1.01]	71.88 [2.83]	104.90 [4.13]
305183–8●	5.18 [.204]	5.69 [.224]	29.21 [1.15]	79.76 [3.14]	112.01 [4.41]
1–305183–3	5.77 [.227]	6.17 [.243]	25.65 [1.01]	71.88 [2.83]	104.90 [4.13]

● These tools conform to the style shown in Detail A above.
† This dimension was 76.2 [3.00] prior to tool revision "R".

Figure 4

4. TOOL STYLES

There are two styles of tools shown in Figure 4. The style illustrated in Figure 4, Detail A is manufactured from plastic and steel (ie, plastic handle and push rod button with all other components steel.) The style illustrated in Figure 4, Detail B is manufactured from aluminum and steel (ie, aluminum push rod button with all other components steel).

The style of each tool can be determined by the part number listed in Figure 4. Note that the part numbers of tools conforming to the style shown in Figure 4, Detail A are followed by a bullet. Those conforming to Figure 4, Detail B do NOT have a bullet.

5. MAINTENANCE AND INSPECTION

To ensure proper operation, it is recommended that the tool be inspected immediately on its arrival and at regularly scheduled intervals. The tool is not repairable and should be replaced when worn or damaged. It is recommended that the tool be stored in a clean, dry place and cleaned with a soft, lint–free cloth.

Additional tools can be purchased from:

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

6. REVISION SUMMARY

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

Per EC 0990–1289–98

- Updated to conform to corporate requirements
- Revised Section 3, EXTRACTION PROCEDURE
- Removed obsolete extraction tools 305183–2, 305183–3, and 305183–5

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