

Figure 1

## 1. INTRODUCTION

Extraction Tool Assembly 1976935-1, shown in Figure 1, is used to remove individual contacts from Z-PACK TINMAN connectors.

The extraction tool is intended to be used to remove a compliant pin contact from a connector that is installed onto the printed circuit (pc) board.

## 2. DESCRIPTION

Each tool features a cap, body, and insert tip. The insert tip contains a spring-loaded push pin. The push pin extends and retracts when the cap is turned. See Figure 1. During extraction, the push pin pushes the contact out of the pc board and the connector.

## 3. USING THE TOOL

1. If the tips of the contacts are exposed, make sure that the push pin of the tool is retracted inside the insert tip. To retract the push pin, turn the cap counter-clockwise. See Figure 1.

If the tips of the contacts are not exposed, make sure that the push pin of the tool is extended from the insert tip. To extend the push pin, turn the cap clockwise.

2. Place the end of the insert tip over the contact to be removed (see Figure 2, Detail A) or place the push pin into pc board hole of the contact to be removed (see Figure 2, Detail B).

3. Holding the tool body so that the insert tip is perpendicular to the pc board, push the tool *straight* until the body bottoms on the pc board. See Figure 2. The contact should drop out of the pc board and the connector.

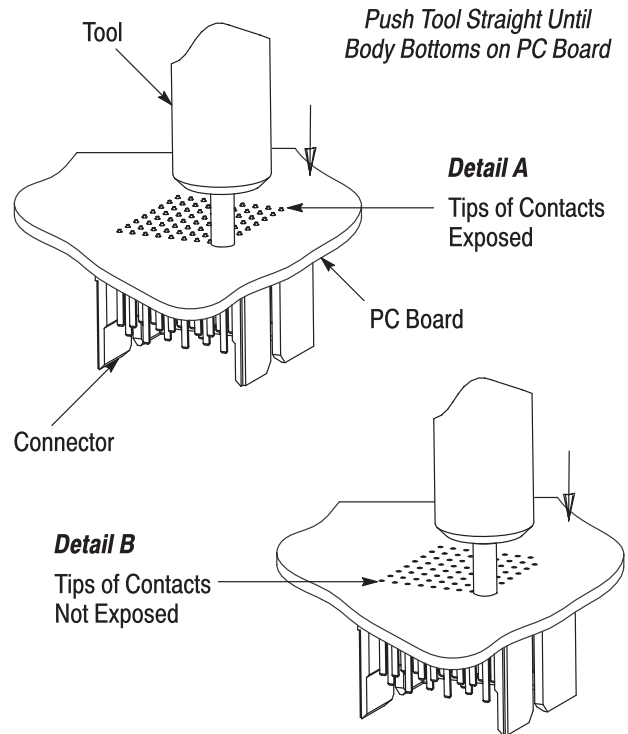


Figure 2

### NOTE



**DO NOT** re-install a contact that has been removed. A new contact can be installed using Insertion Tool Assemblies 1976930-[ ] according to Instruction Sheet 408-10196.

## 4. REPLACEMENT AND REPAIR

The extraction tool is not repairable. Order extraction tools through your 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  
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## 5. REVISION SUMMARY

- Initial release of instruction sheet

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