

## Extraction Tool 776106-1

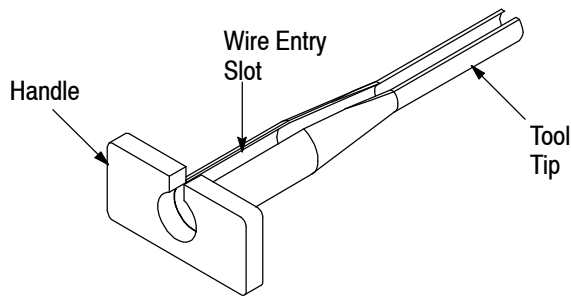


Figure 1

### 1. INTRODUCTION

Extraction Tool 776106-1 is designed to remove contacts from connectors containing cavities that accept contacts size 16 (such as Next Generation circular connectors). Read these instructions carefully before removing any contacts.

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

### 2. DESCRIPTION

The tool consists of a plastic handle and a plastic tip with a wire entry slot. When properly inserted into the connector contact cavity, the tool tip fits between the contact wire barrel and the cavity retention finger(s), and supports the wire to allow the contact to be removed from the connector. The tip is also designed to help prevent damage to the wire seal.

### 3. USING THE TOOL (Figure 2)

#### NOTE



For Next Generation circular connectors, make sure that the connector is in the unlocked position before removing any contacts.

1. Orient tool so that the wire entry slot is facing either the left or right side of the connector. The tool *must* be oriented correctly for the retention finger(s) to be released.
2. Place the wire of the selected contact over the tool tip, and apply light pressure on the wire until it enters the wire entry slot.
3. Gently push the tool tip straight into the contact cavity and over the contact wire barrel until the tip butts against the shoulder of the contact.

#### NOTE



If it becomes difficult to insert the tip into the contact cavity, pull the tip out of the cavity, rotate the tool 180°, and try again.

#### CAUTION



DO NOT twist the extraction tool while in the contact cavity, otherwise damage to the cavity retention finger(s) will result.

4. Grasp the wire, and gently pull straight back on the tool. Remove the tool and contact from the connector together to prevent damage to the wire seal.

#### NOTE



If the tool is broken during extraction, a new extraction tool will be necessary to remove the contact. Tool fragments left in the contact cavity will not affect circuit function.

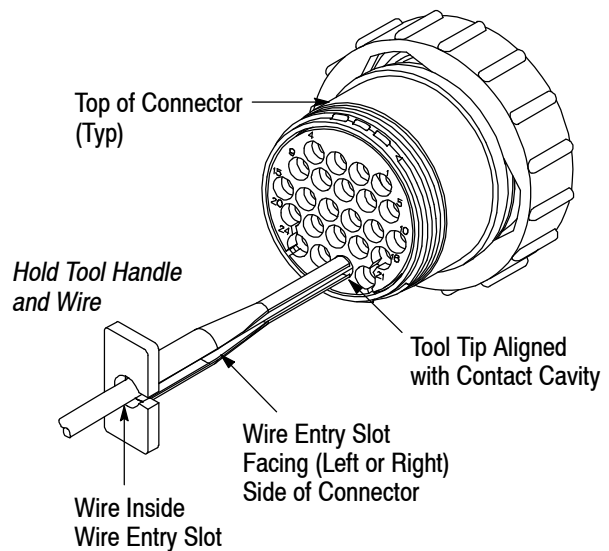


Figure 2

### 4. TOOL MAINTENANCE

It is recommended that the tool be inspected when you receive it and at regularly scheduled intervals. The tool is not repairable and should be replaced when it is worn or damaged. Store the tool in a clean, dry place and clean the tool with a soft, lint-free cloth.

Additional tools can be purchased from:

CUSTOMER SERVICE (038-035)  
 TYCO ELECTRONICS CORPORATION  
 PO BOX 3608  
 HARRISBURG PA 17105-3608

### 5. REVISION SUMMARY

Revisions to this instruction sheet include:

- Updated instruction sheet to corporate requirements