

Figure 1

1. INTRODUCTION

This instruction sheet covers the use of Fiber Optic Sapphire Scribe Tool 504064-1. The tool is used to remove fiber from the connector end face before polishing. Read these instructions thoroughly before using the tool.


Reasons for reissue of this instruction sheet are provided in Section 4, REVISION SUMMARY.

2. DESCRIPTION


The scribe tool has a cutting tool design. The body is metal, the cap is plastic, and the cutting tip is sapphire.

3. SCRIBING PROCEDURE

Before scribing the fiber, make sure the epoxy in the connector has been properly cured.

DANGER	<i>ALWAYS wear safety glasses when working with optical fibers. BE VERY CAREFUL to dispose of fiber ends properly. The fibers create slivers that easily puncture the skin and cause irritation.</i>
	

- Place the sapphire cutting tip on the fiber just above the epoxy as shown in Figure 2.

CAUTION	<i>DO NOT allow the sapphire cutting tip to touch the epoxy. The epoxy may damage, chip, or crack the sapphire cutting tip.</i>
	

- Gently draw the beveled edge of the sapphire blade across the fiber as shown in Figure 2.
- After lightly scoring the fiber, pull the fiber straight away from the connector to finish the scribe process. The fiber should shear cleanly at the scribe point.

After Lightly Scoring, Pull Fiber Straight Away

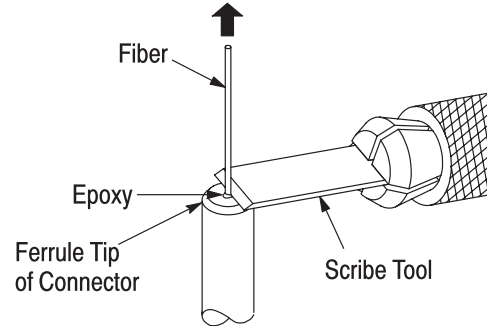


Figure 2

4. INSPECTION

It is recommended that the tool be inspected immediately upon arrival at your facility. AMP also recommends inspection at regularly scheduled intervals, to ensure that it has not been damaged during handling and use.

Visually inspect the tool, especially the tip. The tip should be clean, dry, and free from cracks, nicks, or any deformities. If the tip is damaged, it should be replaced or discarded. The tip cannot be repaired.

5. TOOL REPLACEMENT

Order replacement 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
 HARRISBURG PA 17105-3608

6. REVISION SUMMARY

Revisions to this instruction sheet include:

- Updated document to corporate requirements