

1. INTRODUCTION

Cleave Tool 492674-1 shown in Figure 1 is designed to cleave fibers used with LightCrimp* Plus fiber optic connectors.

DO NOT use this tool to cleave fibers used with MT-RJ jacks or MT-RJ SECURE* jacks.

NOTE *Dimensions in this instruction sheet are in metric units [with U.S. customary units in brackets]. Figures are not drawn to scale.*

2. DESCRIPTION

The cleave tool consists of a tongue, lever, arm, and blade. The tongue features scale markings that indicate cleave length. When used properly, the lever secures the fiber, the blade scribes the fiber, and the tongue cleaves the fiber.

3. USING THE TOOL

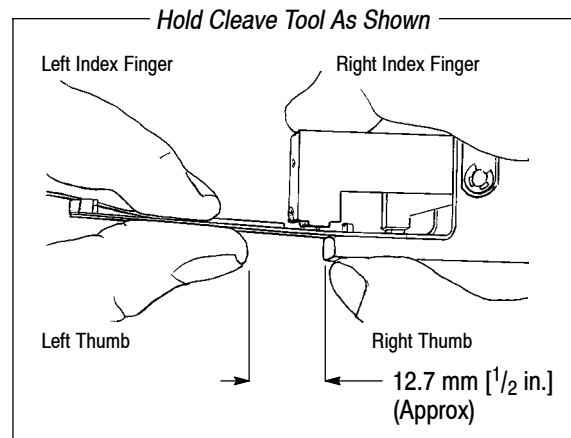
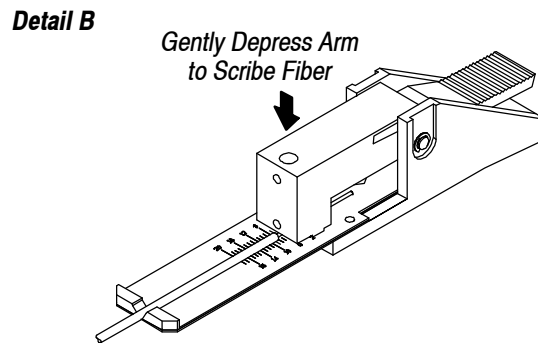
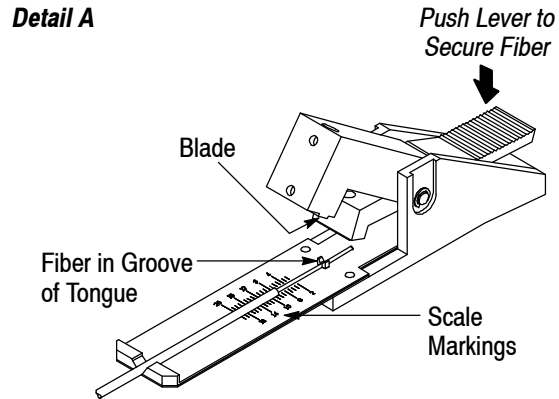
Before each use of the cleave tool (to avoid damage to the fiber), pay particular attention to the following:

- the cleave tool blade and the area around the blade are clean; only use isopropyl alcohol on the tool
- the cleave tool blade floats up and down in its housing with very light force; lubricate with isopropyl alcohol as required

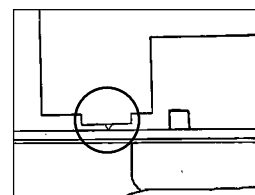
Proceed as follows:

1. Push the lever of the cleave tool to open the clamp, and lay the fiber in the groove of the tongue with the applicable portion of the fiber started at the applicable scale marking (cleave length). Refer to the instructions included with the connector. See Figure 1, Detail A.
2. While firmly holding the fiber in place, release the lever so that the fiber is secure. For best results, it is *extremely* important that the cleave tool be held as shown in Figure 1, Detail B. Making sure that the tool tongue stays flat, *gently* depress the tool arm to scribe the fiber. The edge of the blade should only *touch* the fiber. Release the arm.

CAUTION *To avoid damage to the fiber, DO NOT use excessive pressure when depressing the arm.*



Correct — Edge of Blade Only Touching Fiber



Incorrect — Excessive Pressure Applied to Arm

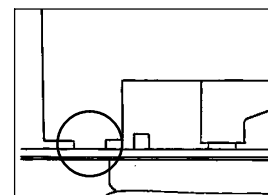


Figure 1

3. Maintaining the firm hold to keep the fiber in position, slowly bend, but do not twist, the tongue over your left thumb to cleave the fiber. DO NOT bend the tongue beyond a 45° angle. Refer to Figure 2.



To avoid damage to the tool tongue, DO NOT bend the tongue beyond a 45° angle.

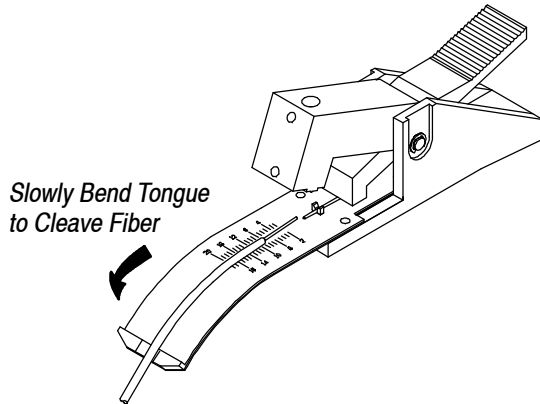


Figure 2

4. Carefully removed the cleaved fiber from the cleave tool. DO NOT touch, or otherwise contaminate, the cleaved fiber end. DO NOT clean the cleaved fiber end. Discard the fiber end.



Be very careful to dispose of fiber ends properly. The fibers create slivers that can easily puncture the skin and cause irritation.

4. REPLACEMENT

Blade life is 1,000 cleaves. DO NOT use a cleave tool with a worn blade.

Order cleave 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

5. REVISION SUMMARY

- Updated document to corporate requirements.