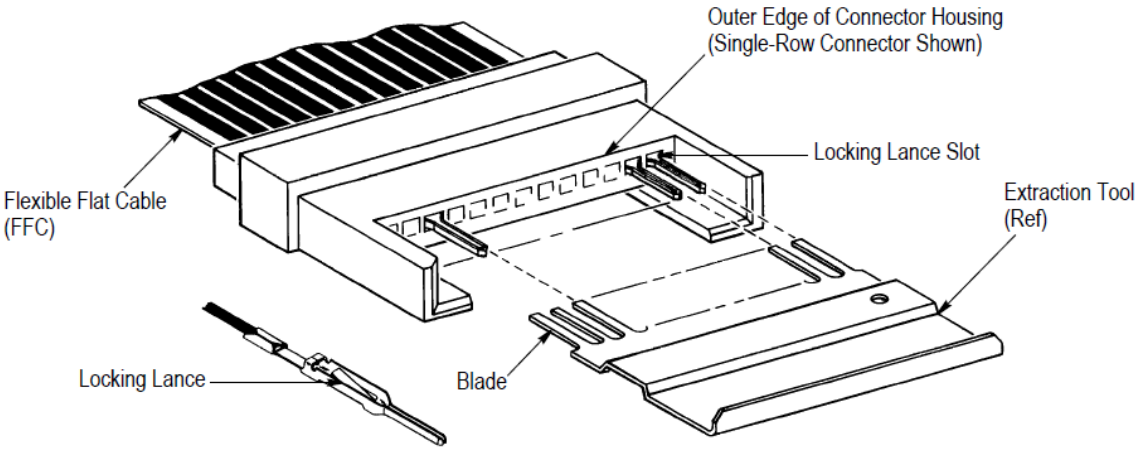

Figure 1

1. INTRODUCTION

Extraction Tools PN 91047-[ ] are designed to extract flexible flat cable (FFC) contacts from FFC pin, receptacle, and edge connectors with end entrance locking lance slots (reference PN 86670-8). **Read these instructions thoroughly before removing any contacts.**

For connectors with side entrance locking lance slots, refer to 408-7916 for Tool PN 91200-[ ].

NOTE
All dimensions on this Instruction Sheet are in millimeters [with inches in brackets]. Figures are not drawn to scale.

Reasons for reissue of this Instruction Sheet are provided in Section 7, REVISION SUMMARY.

2. DESCRIPTION

Each tool features a specific number of blades that release the contact locking lances of the connector (see Figure 1). **The number of blades must match the number of cavities in one row of the connector**.

CAUTION
All contact locking lances must be released simultaneously; otherwise, damage to the connector, contacts, or cable may result.

3. EXTRACTION PROCEDURE

Refer to Figure 2 and verify that the number of blades of the extraction tool matches the number of contact cavities in one row of the connector.

Extraction Tool			
Part Number	Number of Blades	Part Number	Number of Blades
91047-1	9	1-91047-4	12
91047-2	19	1-91047-5	14
91047-3	29	1-91047-6	15
91047-5	20	1-91047-8	5
1-91047-0	10	1-91047-9	3
1-91047-2	35	2-91047-6	6

Figure 2

A. Proceed as follows:

1. Align the tool blades with the locking lance slots located between the contacts and outer edge of the housing as shown in Figure 1.
2. Simultaneously insert all tool blades straight into the connector until the tool bottoms. **Note**: Only the radius between the tool blades should be visible when the tool is properly seated (see Figure 3).

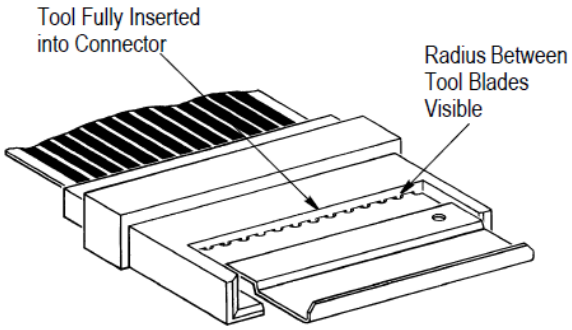

Figure 3

3. Holding the tool and connector in one hand, carefully pull on the cable. **Note**: A slight side-to-side motion may be used to ease contact extraction.

CAUTION
Excessive or improper force may cause damage to the contacts or cable.

4. After the cable and all of the contacts have been completely extracted, remove the tool from the connector.

4. INSPECTION AND MAINTENANCE

TE Connectivity (TE) recommends that the tool be inspected immediately upon receipt at the facility of use and at regularly scheduled intervals. To ensure proper operation, the tool should conform to the dimensions provided in Figure 4.

Part Number	Dimension	
	A	B
91047-1	20.32 [.800]	21.08 [.830]
91047-2	45.72 [1.800]	46.48 [1.830]
91047-3	71.12 [2.800]	71.88 [2.830]
91047-5	48.26 [1.900]	49.02 [1.930]
1-91047-0	22.86 [.900]	23.62 [.930]
1-91047-2	86.36 [3.400]	87.12 [3.430]
1-91047-4	27.94 [1.100]	28.70 [1.130]
1-91047-5	33.02 [1.300]	33.78 [1.330]
1-91047-6	35.56 [1.400]	36.32 [1.430]
1-91047-8	10.16 [.400]	10.92 [.430]
1-91047-9	5.08 [.200]	5.84 [.230]
2-91047-6	17.78 [.700]	18.54 [.730]

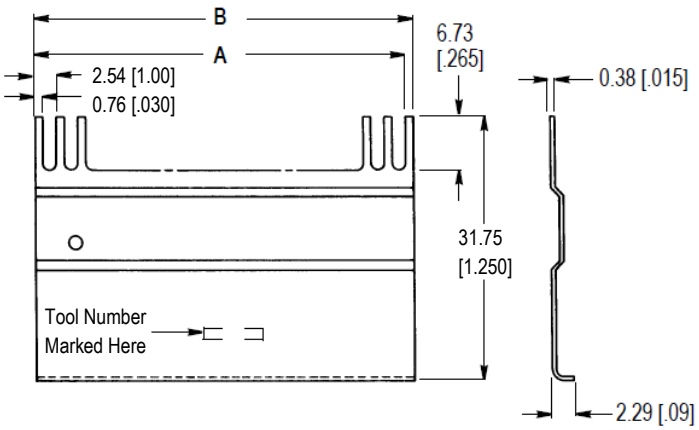

Figure 4

When not in use, the tool be stored in a clean, dry place and cleaned with a soft, lint-free cloth.

5. REPLACEMENT AND REPAIR

The tool is not repairable and should be replaced when worn or damaged. Additional tools can be purchased from:

CUSTOMER SERVICE (038-035)
TE CONNECTIVITY CORPORATION
PO BOX 3608
HARRISBURG PA 17105-3608

6. REVISION SUMMARY

Revisions to this instruction sheet include:

- Revised to conform to most current enterprise name and logo.
- Revised paragraph structure and general formatting.
- Changed tool dimension in Figure 4 from 32.51 [1.280] to 31.75 [1.250].

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