| **Extractor Tool** | **molex®** | |
|---|---|---|
| | **Application Tooling Specification Sheet** | |
| | | **Order No. 63824-1800** |

## FEATURES

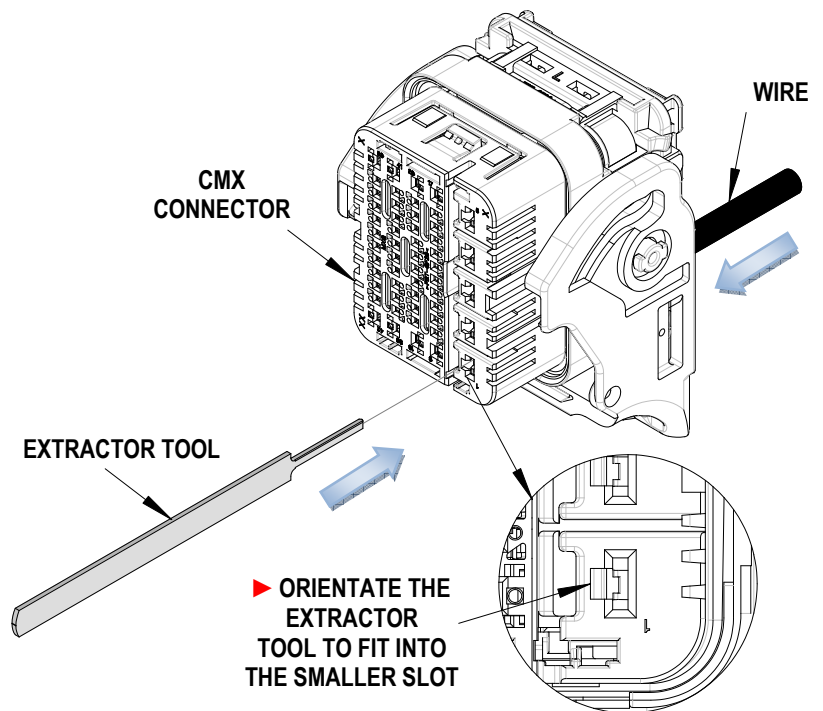▪ This Extractor Tool is for the removal of a CTX280 Receptacle Crimp Terminal from a CMX Connector.

## SCOPE

**Products**: CTX280 Receptacle Crimp Terminal for CMX Connector.

| Housing Series No. | Terminal Series No. | Terminal Order No. | | | | | |
|---|---|---|---|---|---|---|---|
| 198009 | 34808 | 34808-1001 | 34808-1002 | 34808-1003 | 34808-1004 | 34808-1005 | 34808-1006 |
| | | 34808-1007 | 34808-1008 | 34808-1009 | | | |

**WARINGS:** (In some cases)

1. Before extracting the crimp terminals, the tie wrap and the wire cap will need to be removed. Refer to the application specification RAS-198009-001 for instructions.
2. Before extracting the crimp terminals, the Secondary Locking (TPA) will need to be retracted to the pre-locking position. See below for instructions:
   For 53 Way Connect see document ATS-638240100.
   For 32 Way Connect see document ATS-638139900.
   For 27 Way and 48 Way Connect see document ATS-638138200.



WIRE

CMX CONNECTOR

EXTRACTOR TOOL

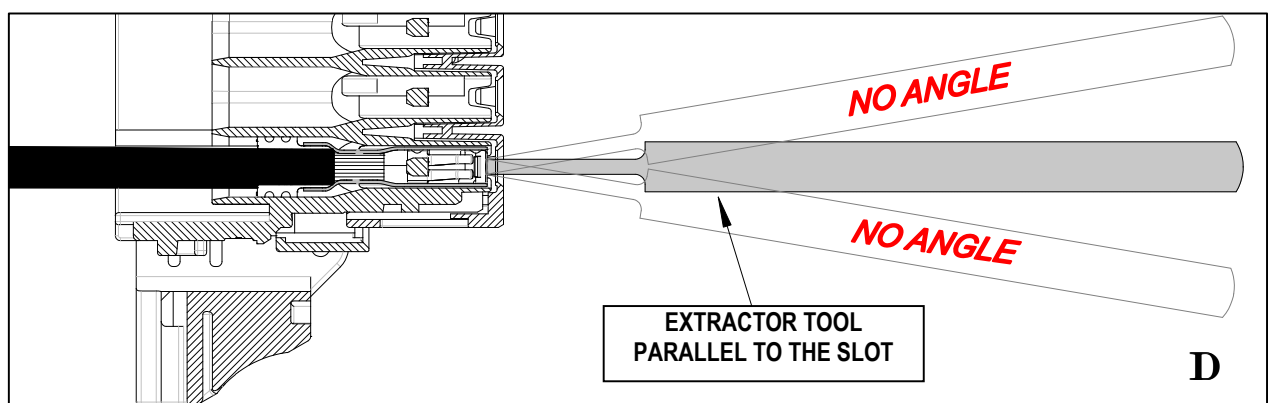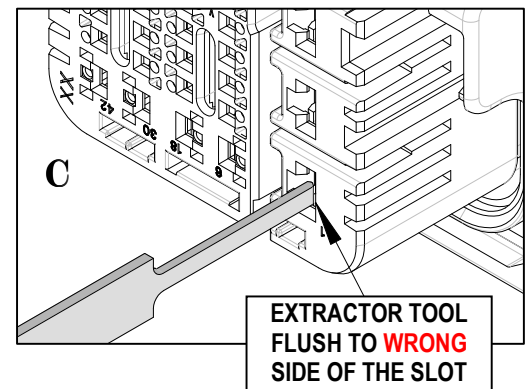► ORIENTATE THE EXTRACTOR TOOL TO FIT INTO THE SMALLER SLOT
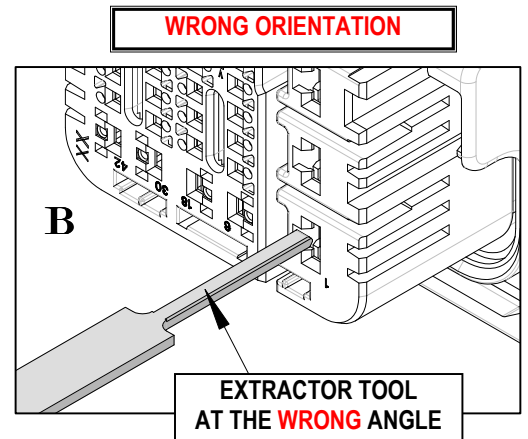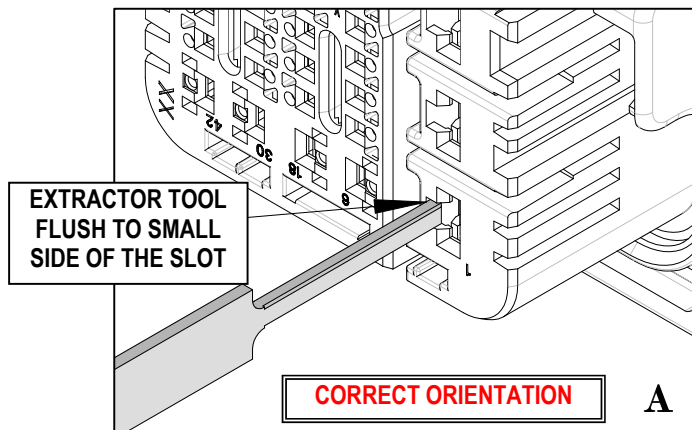
**Figure 1**

## OPERATION:

When removing a damaged crimped wire from the CMX connector follow the steps below:

1. Position the blade of the extraction tool into the small slot in the front face of the housing as shown in Figure 1. Use the identifying markings on both the front and back of the connector to locate the opening used to extract the crimped wire.

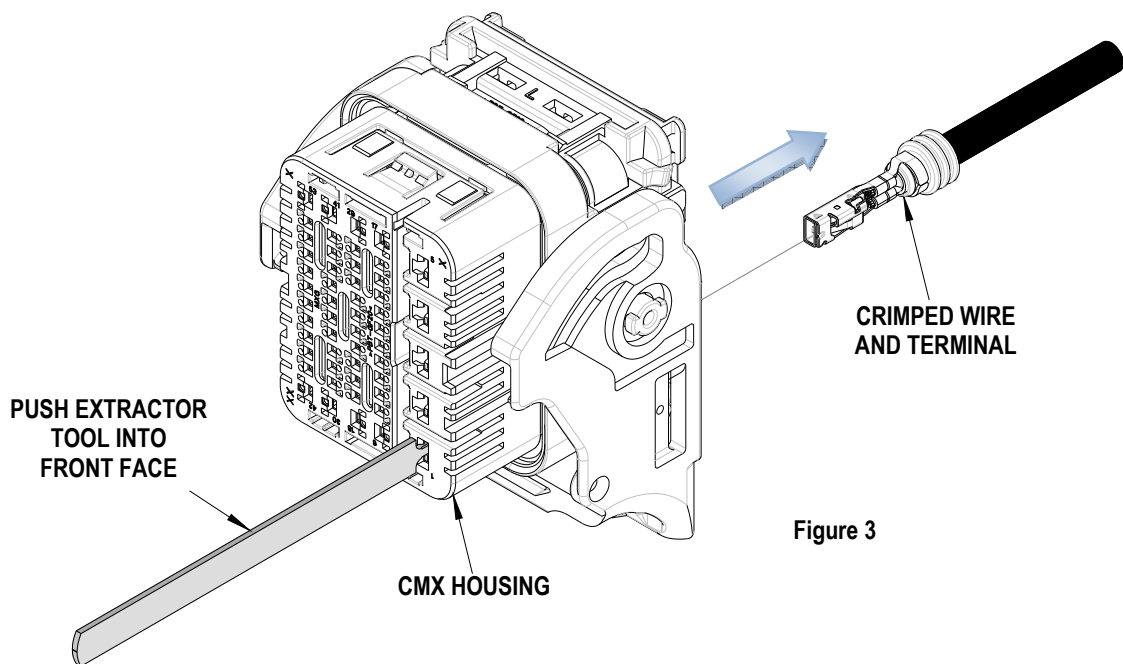### ► Extractor Tool Orientation

1. Figure A shows the proper placement of the extractor tool.
2. Figure B is orientated 90° in the wrong direction.
3. Figure C is pushed to the wrong side of the slot.
4. Figure D shows the extractor tool coming in at different angles. It should always be inserted parallel to the slot

**WRONG ORIENTATION**

**EXTRACTOR TOOL
AT THE WRONG ANGLE**

**B**

**EXTRACTOR TOOL
FLUSH TO SMALL
SIDE OF THE SLOT**

**CORRECT ORIENTATION**

**A**

**C**

**EXTRACTOR TOOL
FLUSH TO WRONG
SIDE OF THE SLOT**

*NO ANGLE*

*NO ANGLE*

**EXTRACTOR TOOL
PARALLEL TO THE SLOT**

**D**

5. Push extractor tool into the desired slot until it clicks or comes to a stop.  Do not force the extractor tool any further or there can be damage to the housing.  See Figure 3.
6. Gently push the wire forward towards the housing and then pull out of the CMX housing.
7. Molex does not offer repair parts for Extractor Tools due to the inexpensive nature of these tools.

**Caution**: After extracting the desired crimp terminals, be sure to seat the Secondary Locking (TPA).



PUSH EXTRACTOR TOOL INTO FRONT FACE

CMX HOUSING

CRIMPED WIRE AND TERMINAL

**Figure 3**

Molex does not offer repair parts for Extractor Tools due to the inexpensive nature of these tools.

http://www.molex.com