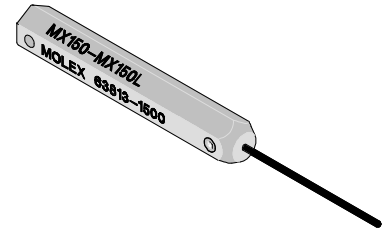




# Extractor Tool for Instruction Sheet Order No. 63813-1500



## SCOPE:

The 63813-1500 Extraction Tool is used on several different connector series.

## Product List

Products: MX150L™ and MX150™ Crimp Terminals, 14-22 AWG.

MX150™ Cable Seal, Receptacle Crimp Terminal, 14-22 AWG.

2.00mm (.079") Pitch iGrid™ Wire-to-Board Crimp Terminal, 22-28 AWG.

Mini-SPOX™ Crimp Terminals, 22-28 AWG.

Positive Terminal for PT Bulb Socket, AVSS 0.50~0.85mm², Series 35464.

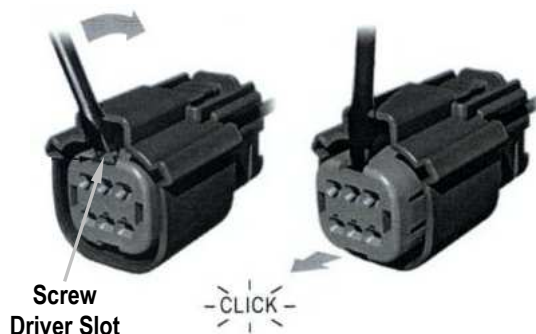
Wire to Motor Connectors Crimp Terminals, Series 59323.

| Terminal Series Number | Terminal Order Number |             |            |            |            |            |
|------------------------|-----------------------|-------------|------------|------------|------------|------------|
| 19417                  | 19417-0011            | 19417-0027  | 19417-0031 | 19417-0034 | 19417-0049 | 19417-0052 |
|                        | 19417-0024            | 19417-0028  | 19417-0032 | 19417-0047 | 19417-0050 | 19417-0053 |
|                        | 19417-0025            | 19417-0029  | 19417-0033 | 19417-0048 | 19417-0051 | 19417-0054 |
|                        | 19417-0026            | 19417-0030  |            |            |            |            |
| 19420                  | 19420-0001            | 19420-0003  | 19420-0007 | 19420-0009 | 19420-0011 |            |
|                        | 19420-0002            | 19420-0004  | 19420-0008 | 19420-0010 | 19420-0012 |            |
| 33001                  | 33001-2003            | 33001-2004  | 33001-2005 | 33001-2021 | 33001-2022 | 33001-2023 |
|                        | 33001-3003            | 33001-3004  | 33001-3005 | 33001-3021 | 33001-3022 | 33001-3023 |
|                        | 33001-4001            | 33001-4002  | 33001-4003 | 33001-4021 | 33001-4022 | 33001-4023 |
|                        | 33001-5001            | 33001-5002  | 33001-5003 | 33001-5021 | 33001-5022 | 33001-5023 |
| 33012                  | 33012-2001            | 33012-2002  | 33012-2003 | 33012-2021 | 33012-2022 | 33012-2023 |
|                        | 33012-3001            | 33012-3002  | 33012-3003 | 33012-3021 | 33012-3022 | 33012-3023 |
| 34750                  | 34750-0001            | 34750-0002  | 34750-0003 | 34750-1001 | 34750-1002 | 34750-1003 |
| 34081                  | 34081-2003            | 34081-2004  | 34081-2005 | 34081-3003 | 34081-3004 | 34081-3005 |
|                        | 34081-4001            | 34081-4002  | 34081-4003 | 34081-5001 | 34081-5002 | 34081-5003 |
| 34083                  | 34083-2001            | 34083-2002  | 34083-2003 | 34083-3001 | 34083-3002 | 34083-3003 |
| 35464                  | 35464-8000            |             |            |            |            |            |
| 501647                 | 501647-1000           | 501647-1100 |            |            |            |            |
| 501648                 | 501648-1000           | 501648-1100 |            |            |            |            |
| 5103                   | 08-70-0056            | 08-70-0057  | 08-70-0058 | 08-70-0059 | 39-00-0188 | 39-00-0189 |
|                        | 39-00-0387            | 39-00-0388  | 39-00-0389 | 39-00-0390 | 39-00-0442 | 87-00-0569 |
|                        | 87-00-0589            |             |            |            |            |            |
| 59323                  | 59323-8000            | 59323-8100  | 59323-8200 | 59323-8300 |            |            |

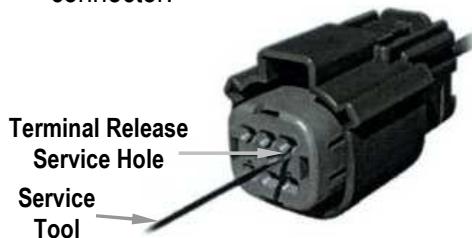
The above chart is a partial list of the product order numbers and their specifications this tool is designed to run. Updates to this list are available on [www.molex.com](http://www.molex.com).

**OPERATION:****For 19417, 19420, 33001, 33012, 34750, 34081, and 34083 Terminal Series:****SEALED RECEPTACLE ASSEMBLY-SERVICEABILITY**

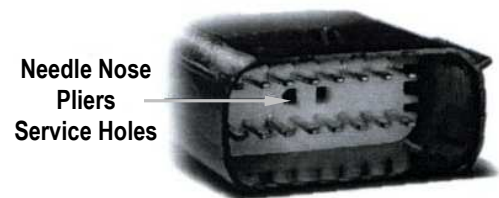
1. Return the TPA to the pre-lock position.
  - Use the Standard Screwdriver to return the TPA to pre-lock.
  - Listen for the loud audible "click".



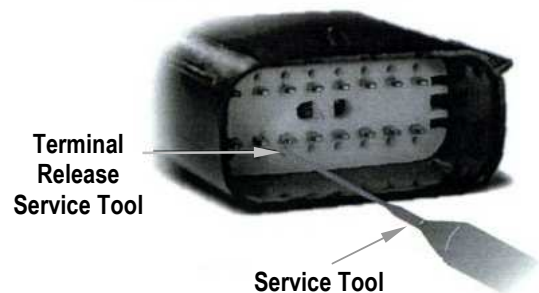
2. Release the terminal from the connector assembly.
  - Insert and drive forward (0.9 to 1.0mm) diameter the service tool to release terminal.
  - Pull the terminal from the rear of the connector.

**SEALED BLADE ASSEMBLY-SERVICEABILITY**

1. Return the TPA to the pre-lock position
  - Use the Standard Needle Nose Pliers to return the TPA to pre-lock.
  - Listen for the loud audible "click".



2. Release the terminal from the connector assembly.
  - Insert and drive forward (0.9 to 1.0mm) diameter the service tool to release terminal.
  - Pull the terminal from the rear of the connector.

**TERMINAL INSTALLATION****Terminal Orientation Feature**

This is the Terminal orientation at the matte seal grommet cap.

**OPERATION:****For 501647, 501648, and 5103 Terminal Series:**

Individual terminals may be extracted from the housing using this Tool.

1. Push the terminal and the wire forward in the arrow direction before using this Tool. Insert the Tool into the slot above the locking tang of the terminal. Push the tool down until the locking tang is even with the rest of the terminal. This will free the terminal from the housing.
2. Holding the wire and the tool together, pull the wire back through the connector slot in the arrow direction as shown in Figure 1.

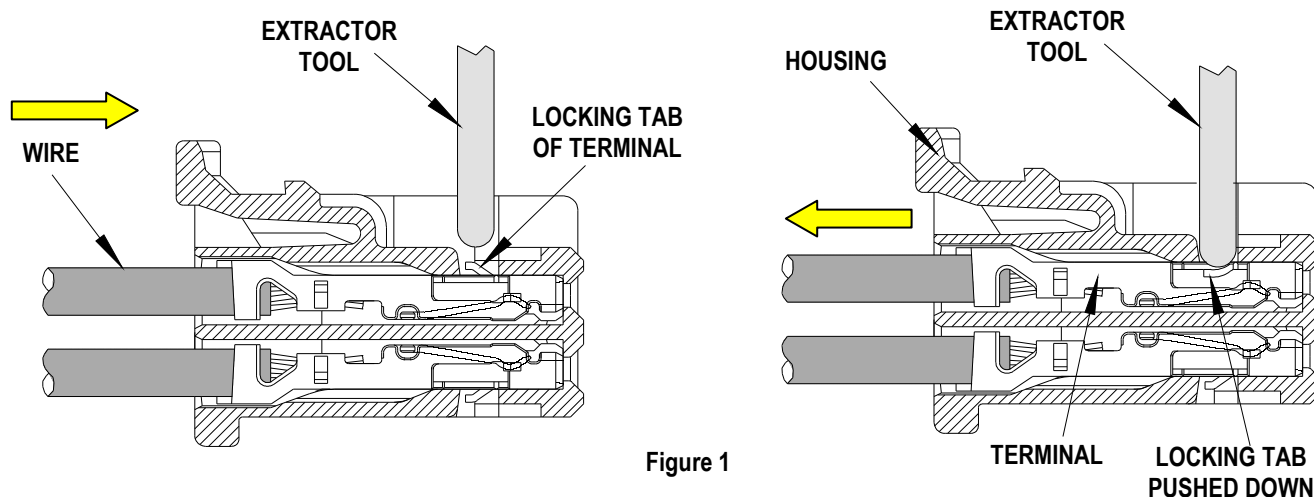


Figure 1

**For 59323 Terminal Series:**

Individual terminals may be extracted from the housing using this Tool.

1. Insert the tip of the Extractor Tool into the end of the pocket of the housing. Push the tool down until it stops.

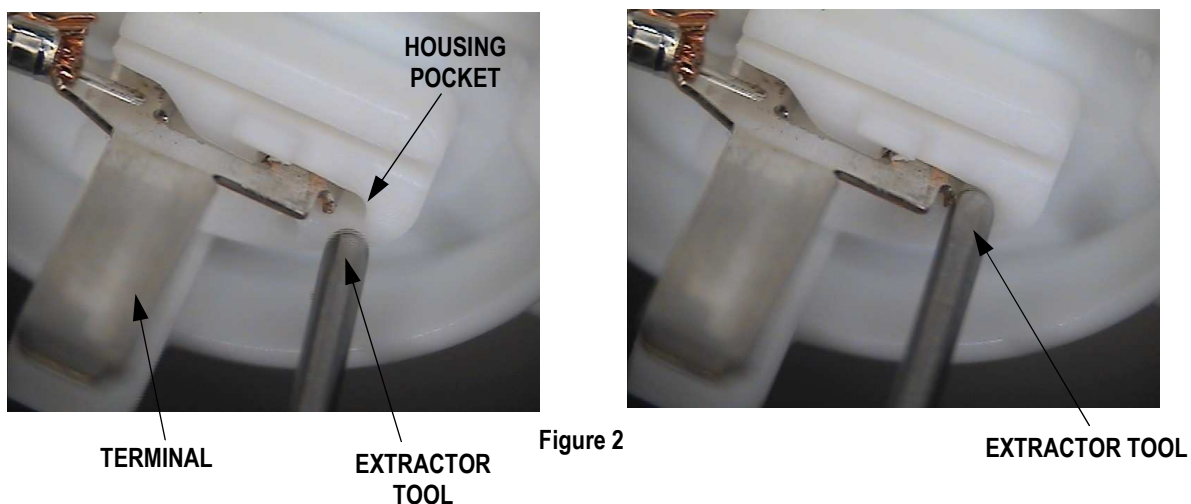


Figure 2

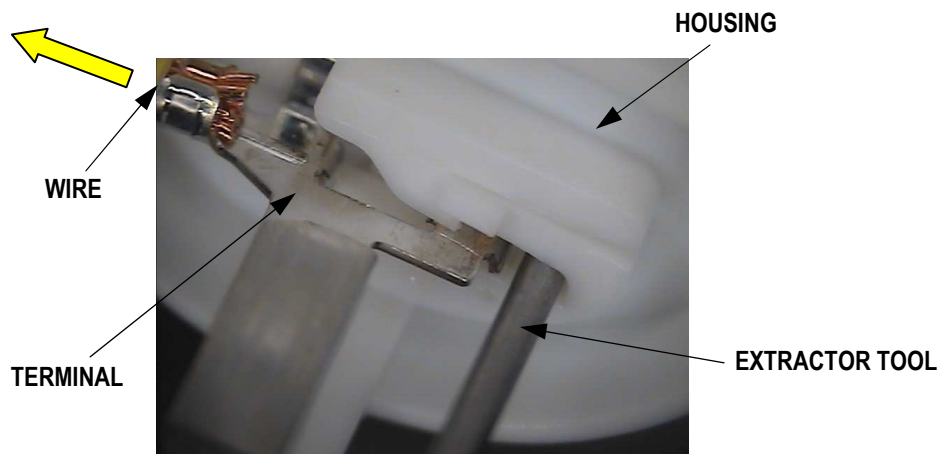


Figure 3

2. The Latch on the housing will open and then release the terminal. Pull the crimped terminal out by the wire in the direction shown. See Figure 2 and 3.

### **For 34564 Terminal Series:**

1. Push the terminal and wire forward in the arrow direction before using the Extractor Tool.
2. Insert the tip of the Extractor tool below the seal and terminal into the hole of the connector housing.
3. Gently push the tool under the terminal until the wings of the terminal lift up and out of the slot.
4. Using an eraser end of a pencil push down on the top of the terminal.
5. Pull the terminal and wire out of the hole. See Figure 4.

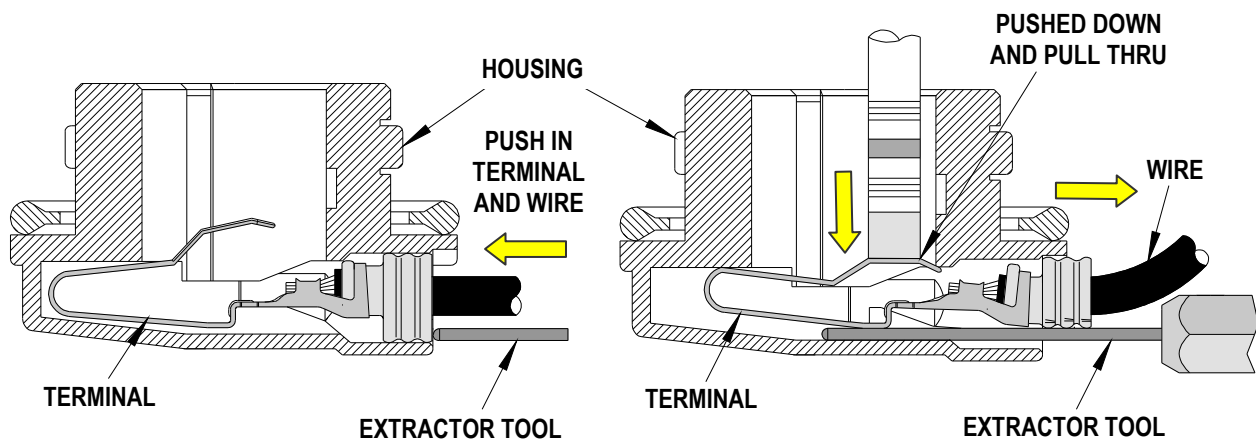


Figure 4

Molex does not offer repair parts for this tool due to the inexpensive nature of the tool

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