Extractor Tool	Application Tooling Specification Sheet	
		Order No. 63813-1400

FEATURES

- This tool is designed for the removal of E67 Power Train Connectors and SPOX™ BMI Connectors crimped terminals from their housings

SCOPE

<u>Products</u>: 2.50mm Pitch SPOX™ Wire-to-Board Crimp Terminals, 22-28 AWG
2.54mm Pitch MX64™ Terminals 18-24 AWG.
Ditto™ Male/Female Crimp Terminal 20-26 AWG

Product List

The following 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.

Terminal Series Number	Terminal Order Number					
5263	08-70-1039	08-70-1040	08-70-1047	08-70-1045	08-70-1046	39-00-0042
	39-00-0043	39-00-0151	39-00-0152	39-00-0159	39-00-0160	39-00-1167
33467	33467-0001	33467-0002	33467-0003	33467-0004	33467-0005	33467-0006
33468	33468-0001	33468-0002	33468-0003	33468-0004	33468-0005	33468-0006
36876	36876-0001	36876-0002				
45627	45627-0001	45627-0002	45627-1001			

OPERATION:
For 33467 and 33468 Terminal Series:

Wire Dress Cover Removal

1. With connector removed from module and interface facing down, gently unlatch wire dress cover latch features.


Latch Feature

2. With wire dress cover latch features unlatched; insert finger into wire dress cover and pull up and away from the wire bundle.

3. At this time the tie wrap should be removed from the wire bundle for easier access to the wire to be serviced.

TPA Servicing

1. Insert a small (2.0mm maximum) flat blade screwdriver into the TPA service hole at either end of the connector and gently pry up. The TPA will stop when it reaches its pre-lock position for terminal servicing. * Approximate TPA travel will be 3.5mm.
2. Repeat step 1. On the other end of the TPA until the TPA is sitting in its pre-lock position at both ends of the connector.
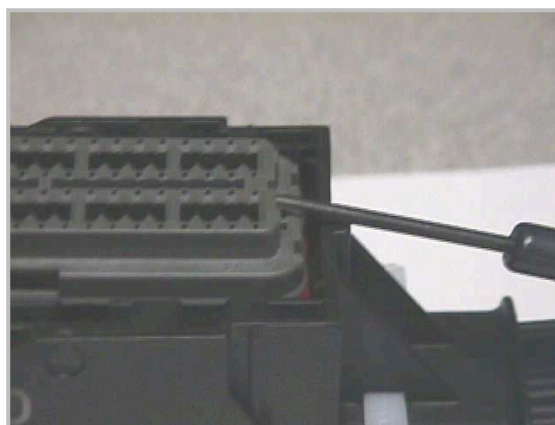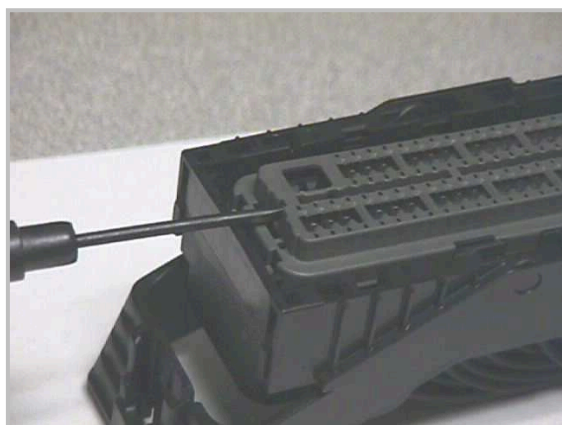
Terminal Removal

1. Using the Molex 0.64 mm service tool (part no. 63813-1400), gently insert the tip into the terminal service hole adjacent to the terminal to be serviced. Be careful not to push the service tool into the terminal opening.
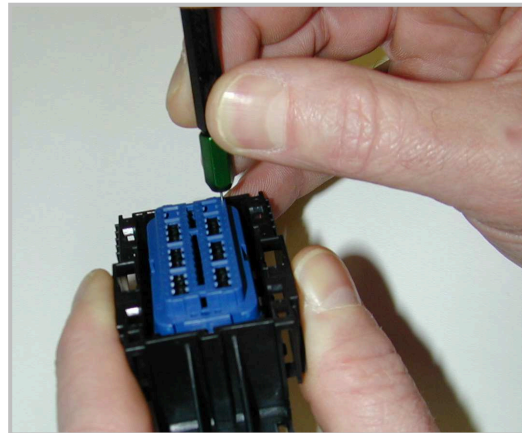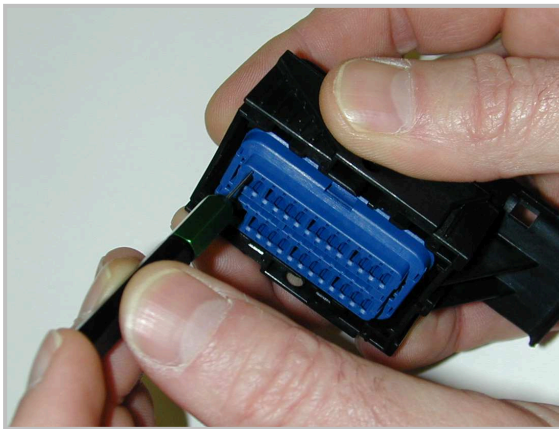

2. Once past the terminal opening, push the service tool against the terminal and push until it wedges between the terminal and the lock finger. Once the terminal lock finger is disengaged, gently pull on the wire to release the terminal. If the terminal resists, the service tool may not be fully engaged. Give the service tool a further push to ensure that it has disengaged the terminal lock finger.

0.64mm Terminal

Service Tool

Terminal Finger
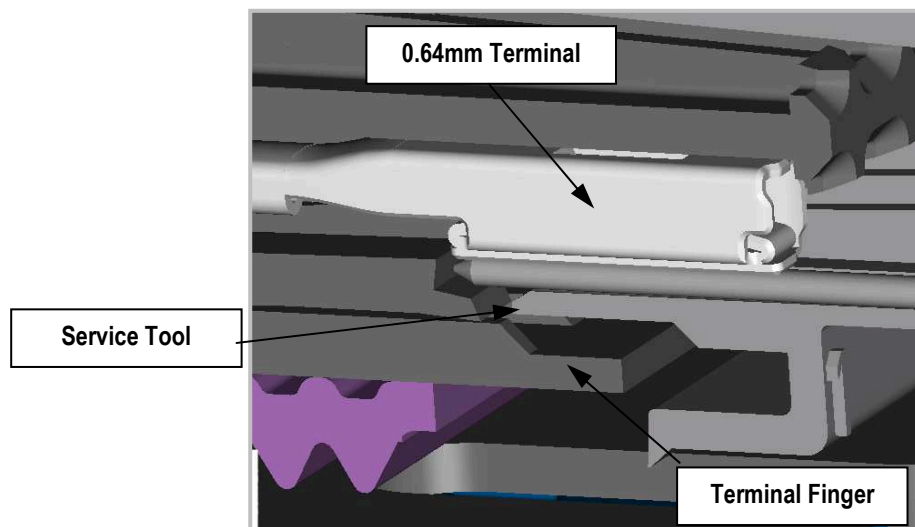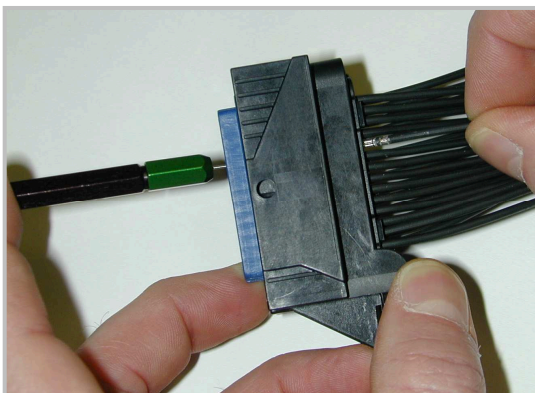
Terminal Installation

1. With TPA still in pre-lock position, and wire dress cover removed, orient terminal to grommet cap.
2. Grip the wire no less than 1.25 inches from the terminal insulation crimp and insert through grommet cap and into connector. If resistance is encountered, retract the terminal and adjust the angle of attack. Continue inserting the terminal until it stops and locks up on the lock finger with an audible click.


1.25"
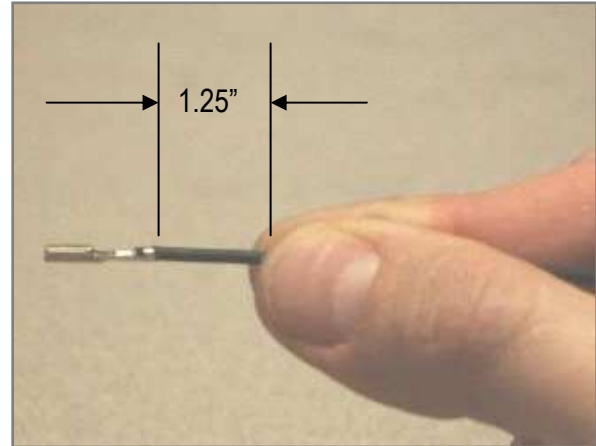
### TPA Seating (TPA pre-lock to final-lock)

1. With the terminal fully installed, the TPA can be seated into its final-lock position by applying an even force to both ends until it comes to a stop. If the TPA resists it may be detecting a partially installed terminal.
2. Pull the TPA back into its pre-lock position, check to see that your terminal is fully installed and push it further into the cavity if required. Now the TPA can be seated.

Tie Wrap installation
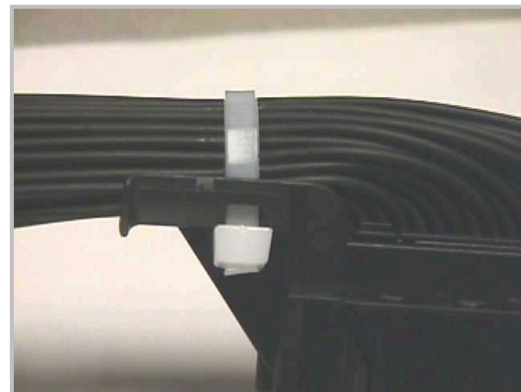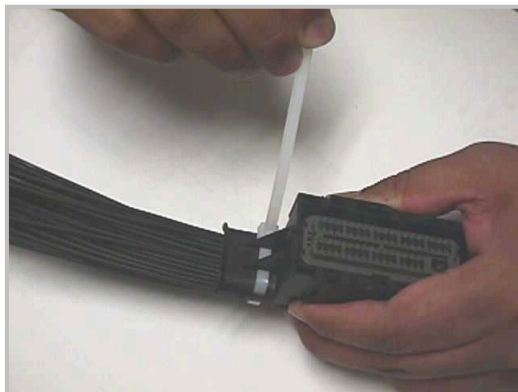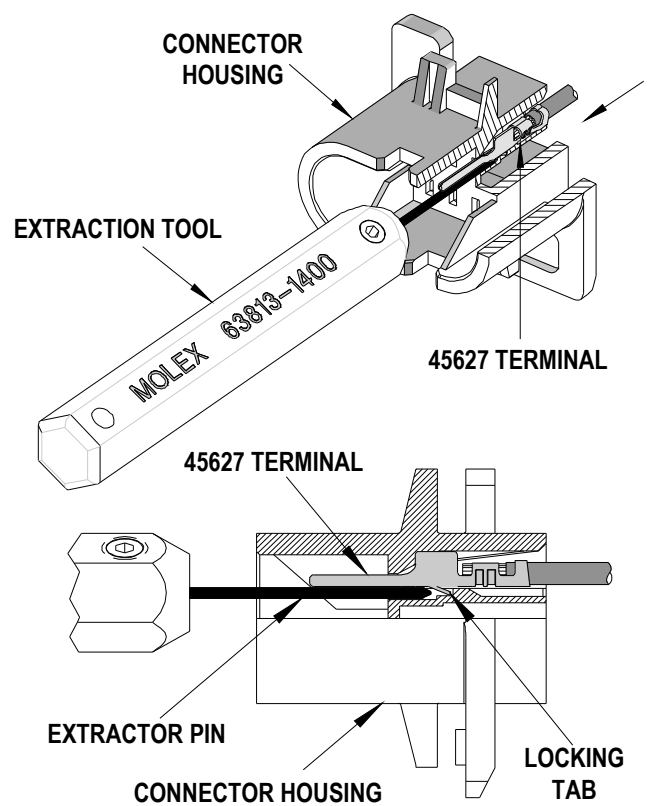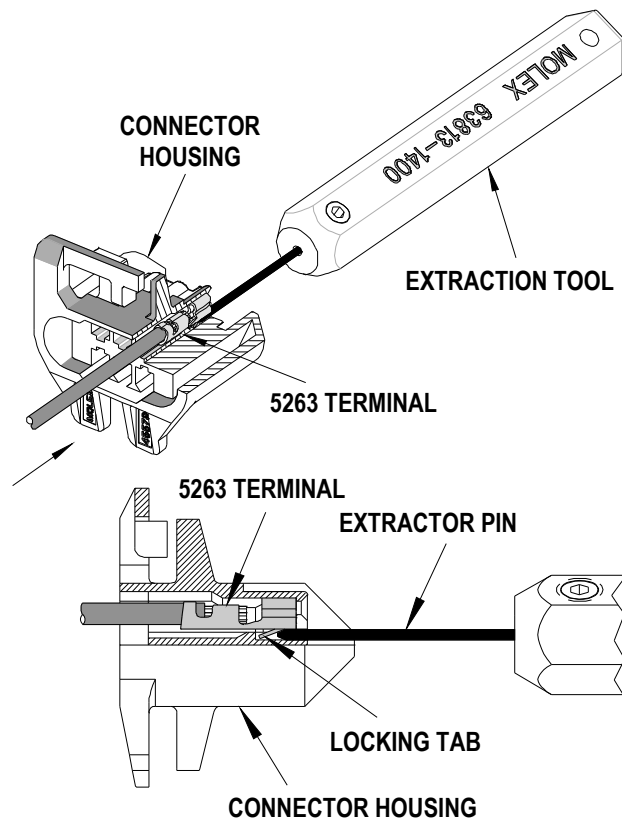
Wire Dress Cover installation
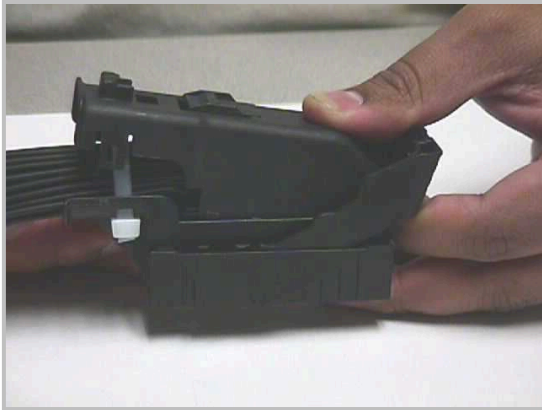
OPERATION:

For 45627-0001,45627-0002 and 5263 Terminal Series:

**Note:** Extracted Terminal is not reusable.

1. Push the terminal forward in the arrow direction before using the Extractor Tool as shown
2. Insert the Extractor Tool into the slot on the bottom or top row of the connector housing as shown until it bottoms.
3. The extractor pin will depress the terminal locking tabs then pull the terminated wire out of the housing as shown. Wiggling the wire while pulling it out will help.

For 36879 Terminal Series:

Note: Extracted Terminal is not reusable.

1. Push the terminal forward in the arrow direction before using the Extractor Tool. See Figure 4.
2. Insert the Extractor Tool into the slot on the bottom row of the connector housing as shown until it bottoms.
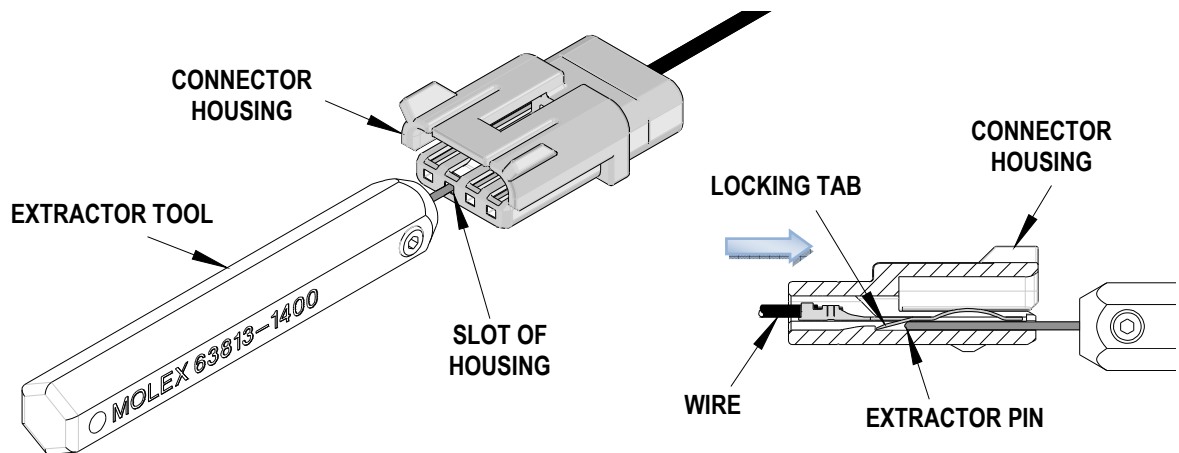
3. The extractor pin will depress the terminal locking tabs then pull the terminated wire out of the housing. Wiggling the wire while pulling it out will help.

CAUTION: This extractor tool should be used to extract the terminal only. Using it for unintended purposes may cause injury or damage to parts. Be careful not to deform the end of the terminal.

CAUTION: Molex specifications are valid only when used with Molex terminals, applicators and tooling.

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

Contact Information
For more information on Molex application tooling please contact Molex at 1-800-786-6539.

Visit our Web site at http://www.molex.com