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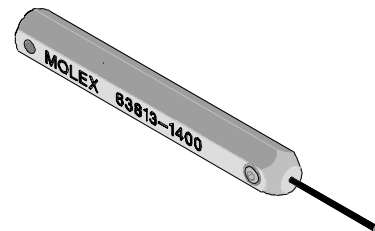
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**Extractor Tool  
Instruction Sheet  
Order No. 63813-1400**



**SCOPE:**

The 63813-1400 Extraction Tool is used on several different connector series.

**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](http://www.molex.com).

- This tool is used on the E67 Power Train Connectors with 33467 and 33468 .64MM Terminals. See Section 1, pages 2 thru 6 of this Instruction Sheet.

Terminal Series Number	Terminal Order Number	
33467	33467-0001	33467-0004
	33467-0002	33467-0005
	33467-0003	33467-0006
33468	33468-0001	33468-0004
	33468-0002	33468-0005
	33468-0003	33468-0006

- This tool is use on the SPOX™ BMI Connectors with 5263 and 45627 Terminals. See Section 2, page 7 of this Instruction Sheet.

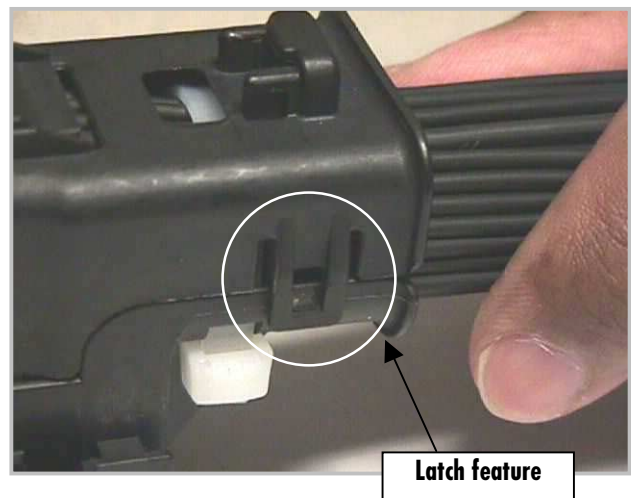
Terminal Series Number	Terminal Order Number		
5263	08-70-1039	08-70-1047	39-00-0152
	08-70-1040	39-00-0042	39-00-0159
	08-70-1045	39-00-0043	39-00-0160
	08-70-1046	39-00-0151	39-00-1167
45627	45627-0001	45627-0002	45627-1001

## SECTION 1

### E67 Power Train Connector Terminal Servicing Extractor Tool Instruction Sheet Order No. 63813-1400 For 33467 and 33468 .64mm Series Terminals MX64

#### 1. Wire Dress Cover Removal

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



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



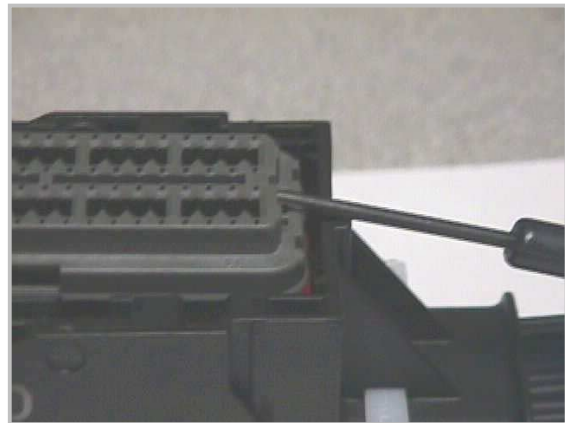
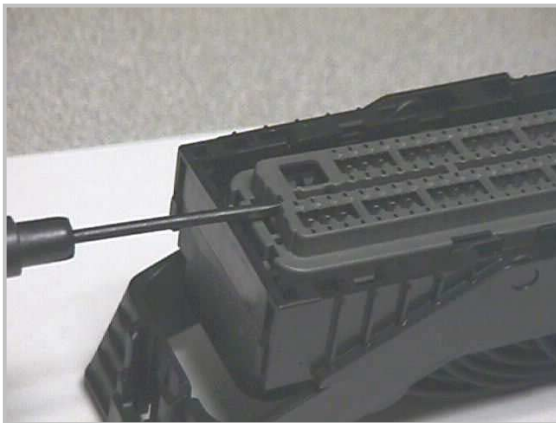
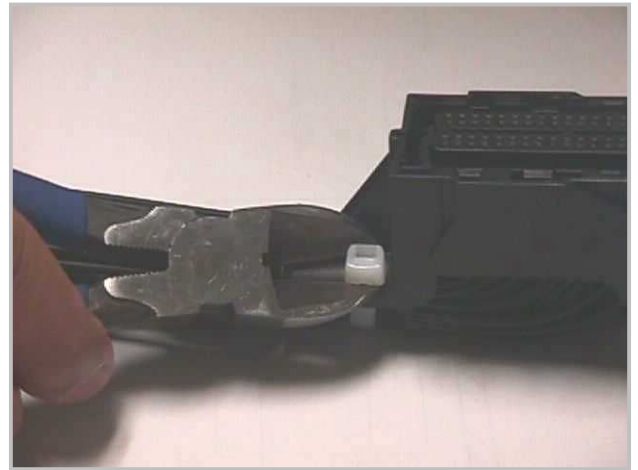
#### Tie Wrap

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

### 3. TPA Servicing

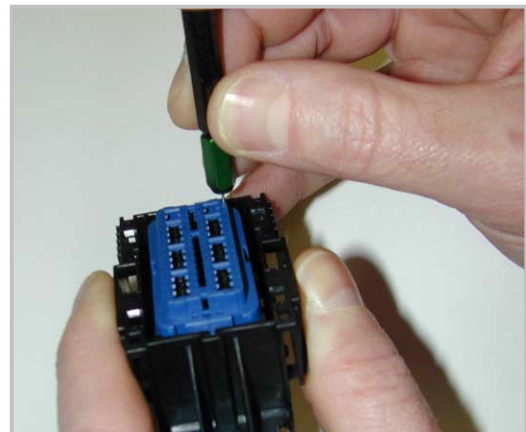
Insert a small (2.0mm maximum) flat blade screwdriver into the TPA service hole at either end of the connector and gently pry up. The TPA will stop when it reaches its pre-lock position for terminal servicing. \* Approximate TPA travel will be 3.5mm.

Repeat step 1. On the other end of the TPA until the TPA is sitting in it's pre-lock position at both ends of the connector.

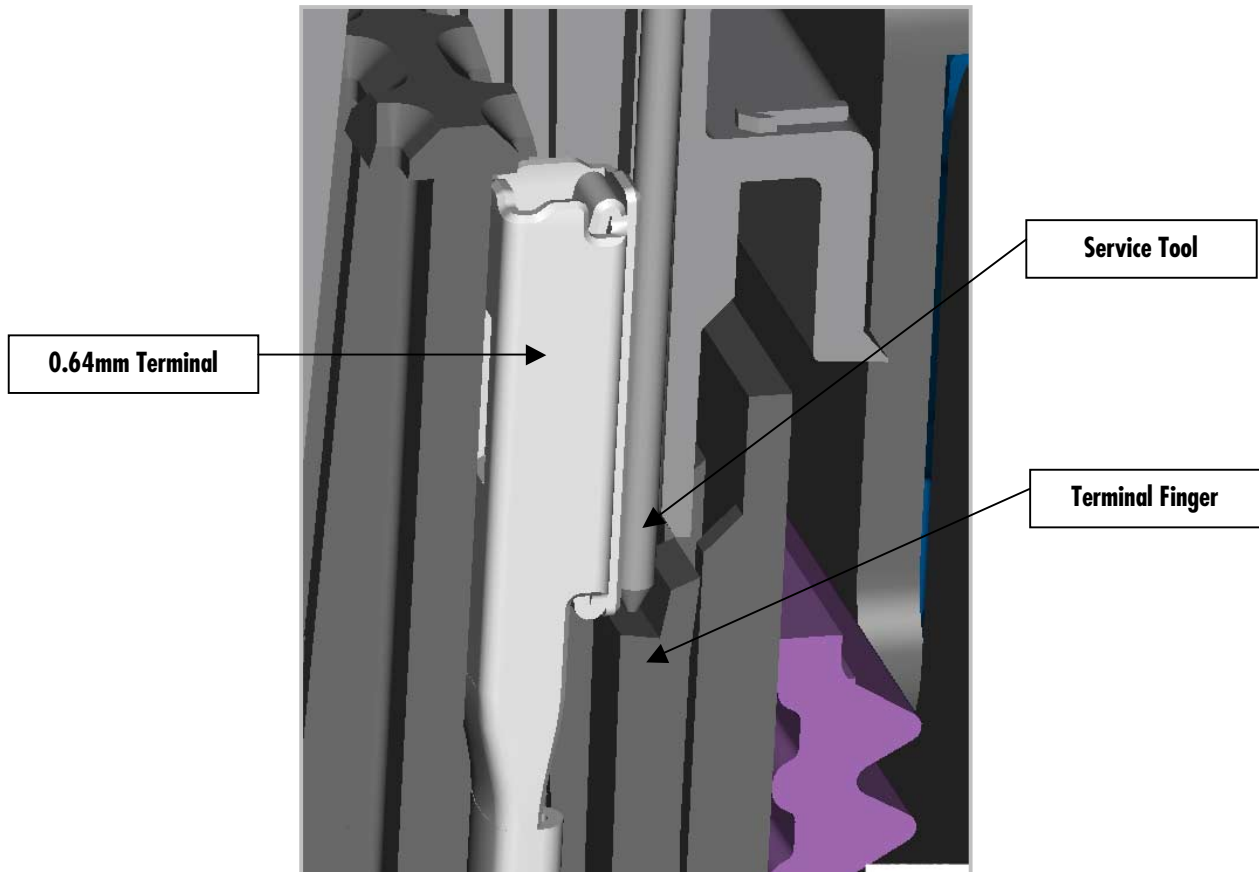
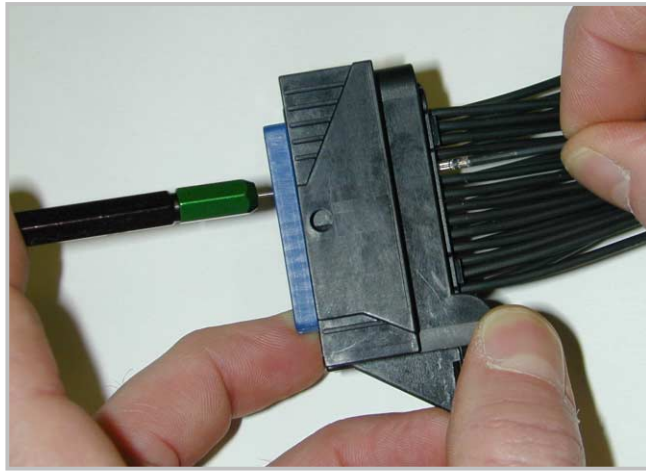


### 4. Terminal Removal

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.



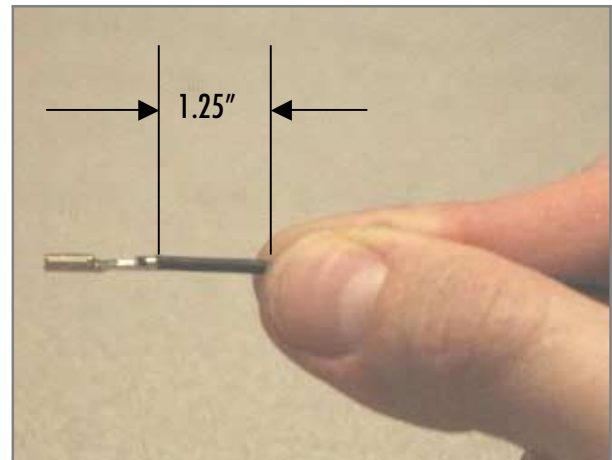
Once past the terminal opening, push the service tool against the terminal and push until it wedges between the terminal and the lock finger. Once the terminal lock finger is disengaged, gently pull on the wire to release the terminal. If the terminal resists, the service tool may not be fully engaged.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



## 1. Terminal Installation

With TPA still in pre-lock position, and wire dress cover removed, orient terminal to grommet cap.

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.

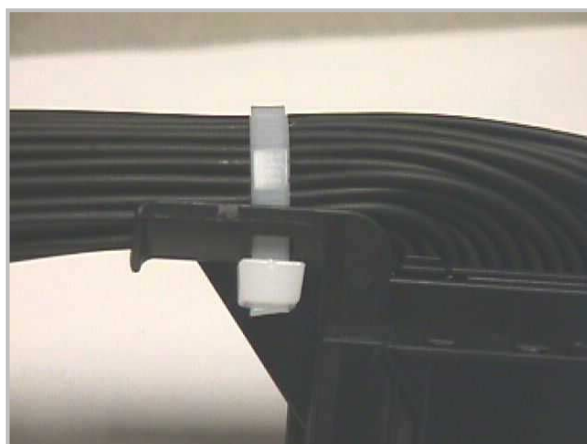
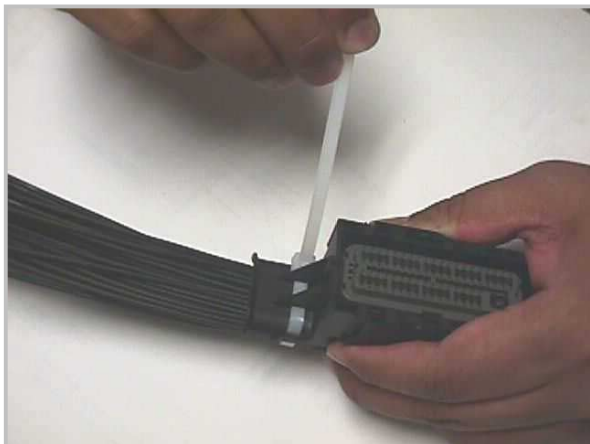


## 2. TPA Seating (TPA pre-lock to final-lock)

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. 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.



## 2. Tie Wrap installation



## 3. Wire Dress Cover installation



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## SECTION 2

### SPOX BMI Connector Terminal Servicing Extractor Tool Instruction Sheet Order No. 63813-1400 For 45627-0001, 45627-0002 and 5263 Series Terminals

This tool is used for the removal of Wire-to-Board Crimp Terminal, Series No. 45627, and No. 5263 SPOX™ from their housing.

Note: Extracted Terminal is not reusable.

#### OPERATION:

1. Push the terminal forward in the arrow direction before using the Extractor Tool as shown. Insert the Extractor Tool into the slot on the bottom or top row of the connector housing as shown until it bottoms.
2. 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.
3. Molex does not offer repair parts for Extraction Tools due to the inexpensive nature of the tool.

