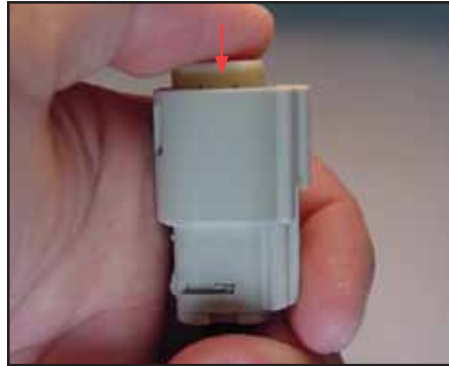


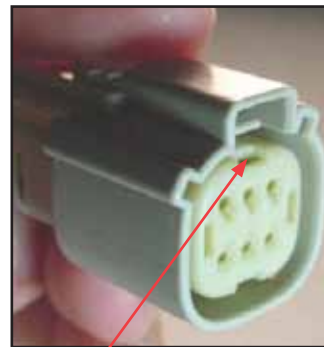
Seating the TPA Receptacle Side

- With the receptacle terminals 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 with an audible “click”. TPA movement distance from pre-lock to final lock is 5.00mm (.197”)
- The TPA should never be fully removed from the connector housing

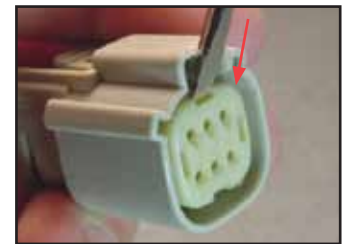


TPA Servicing Receptacle Side

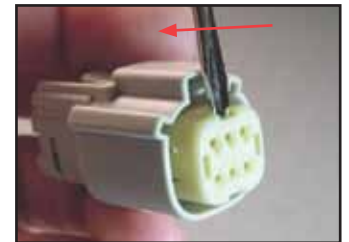
- Step 1: Insert a small screwdriver (max. width of 3.00mm (.118”) into the designated pry point
- Step 2: Using the housing as a pivot point, gently pry out the TPA until it reaches pre-lock position (5.00mm (.197”) travel)
- The TPA should never be fully removed from the connector housing. Excessive force can damage the TPA



Pry Point



Step 1



Step 2

Seating the TPA Blade Side

- A modified process can be used for the Blade terminal. Using a pair on needle nose pliers, apply even pressure to the TPA. If the TPA resists, it may be detecting a partially installed terminal. Pull the TPA back into its pre-lock position and make sure all terminals are fully installed. Upon completion, the TPA can be seated. TPA movement distance from pre-lock to final lock is 5.00mm (.197”)
- Step 1: Insert a small pair of needle nose pliers to the designated grab point
- Step 2: Pull back 5.00mm (.198”) , gently, until the TPA reaches pre-lock position
- The TPA should never be fully removed from the connector



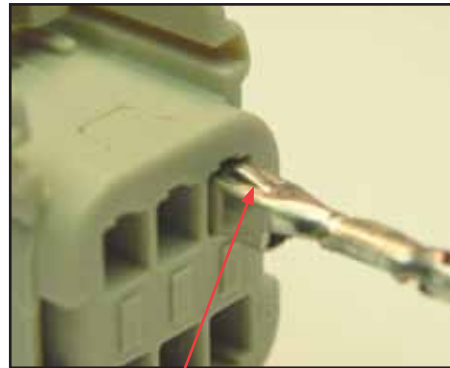
Grab Point



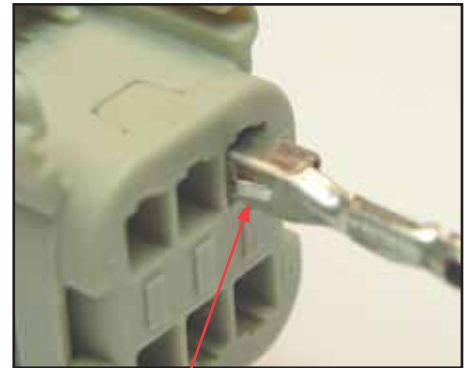
Pull back gently approximately 5.0mm (.197”)

Terminal Installation

- With TPA still in pre-lock position, orient terminal to rear of connector. Grip the wire no less than 30.00mm (1.181") from the terminal insulation crimp align the orientation feature and insert through appropriate circuit opening. If resistance is encountered, retract the terminal and adjust the angle of insertion. Continue inserting the terminal until it stops and locks up on the lock finger with an audible click



Correct Orientation



90° Mis-orientation

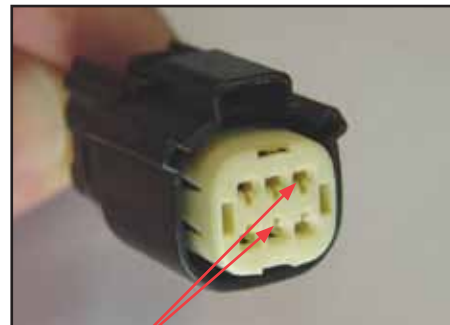
Terminal Removal

- Once the 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. Push the service tool straight into the service opening to ensure that it has fully disengaged the locking finger

- Do not insert the service tool into the terminal opening
- Do not use excessive force, excessive force can damage the lock finger
- Do not insert the service tool at an angle, this may cause damage to the terminal
- Do not apply any lateral force, this may damage the terminal or lock finger

- Using the 1.50mm (.059") service tool #63813-1500, insert the tip into the terminal service hole adjacent to the terminal to be serviced. Push straight down gently and apply pressure to release-locking finger. This motion will release the locking finger, "picking" is not required. Cavity plugs are removed in the same manner

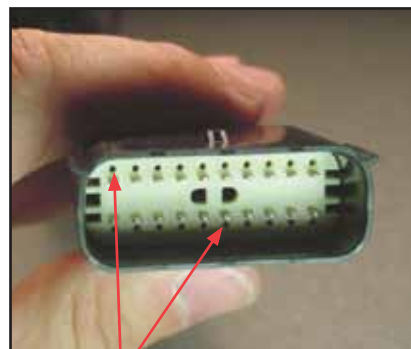
- Do not apply any lateral force, this may damage the tool, or the locking finger
- Do not use excessive force, excessive force can damage the lock finger
- Do not insert the service tool at an angle, this may cause damage to the terminal



Service Ports



Service Tool must be 90° to the connector face



Service Ports



Service Tool must be 90° to the connector face

Please note that the full MX150 Serviceability Manual can be viewed on www.molex.com/ind/mx150.html