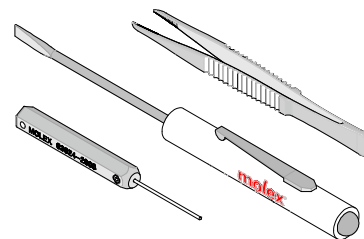




Extractor Tool

Application Tooling Specification Sheet



Order No. 63824-6300

FEATURES

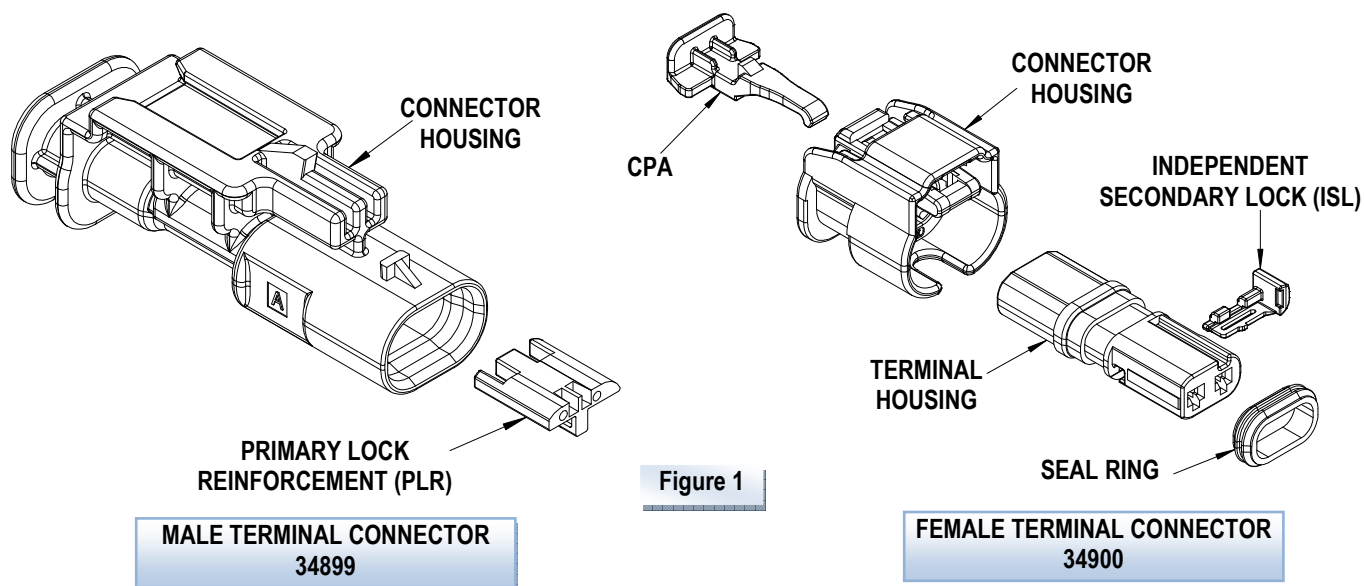
- The 63824-6300 Tool Kit is used on MXP120 Sealed Connection System. See below.

SCOPE

Products: The Molex 1.2 sealed system is a series of connectors with 1x2, 1x3, 1x4, and 1x6, terminal configurations, designed to be used with Tyco 1.2 MCON terminals or Kostal MLK 1.2 terminals.

| Terminal No. | Wire Size | Description | Housing Series | |
|-----------------------|----------------------------|---|----------------|--------|
| Tyco 1.2 MCON | | | | |
| 1452665-3 | 0.25 - 0.35mm ² | MCON-1.2 LL (Locking- Lance) Receptacle | 34900 | Female |
| 1452668-3 | 0.50 - 0.75mm ² | MCON-1.2 LL (Locking- Lance) Receptacle | 34900 | Female |
| 2141114-3 | 0.25 - 0.35mm ² | MCON-1.2 CB (Clean- Body) Blade | 34899 | Male |
| 2141116-3 | 0.50 - 0.75mm ² | MCON-1.2 CB (Clean- Body) Blade | 34899 | Male |
| 2177610-3 | 0.75 - 1.0mm ² | MCON-1.2 CB (Clean-Body) Blade | 34899 | Male |
| Kostal MLK 1.2 | | | | |
| 32124734110 | 0.35mm ² | MLK-1.2mm Single wire seal LL (Locking- Lance) Receptacle | 34900 | Female |
| 32124734120 | 0.5mm ² | MLK-1.2mm Single wire seal LL (Locking- Lance) Receptacle | 34900 | Female |
| 32124734130 | 0.75 - 1.0mm ² | MLK-1.2mm Single wire seal LL (Locking- Lance) Receptacle | 34900 | Female |

DESCRIPTION:



Ordering Information

| Circuits Size | Series No. | Description | Sealed Assembly Cable Seal | | | | | |
|---------------|------------|-------------|----------------------------|------------|------------|------------|------------|------------|
| 2 Circuit | 34899 | Male | 34899-2010 | 34899-2011 | 34899-2012 | 34899-2013 | 34899-2020 | 34899-2021 |
| | | | 34899-2022 | 34899-2023 | 34899-2030 | 34899-2031 | 34899-2032 | 34899-2033 |
| | | | 34899-2040 | 34899-2041 | 34899-2042 | 34899-2043 | 34899-2050 | 34899-2060 |
| | | | 34899-2070 | 34899-2071 | 34899-2072 | 34899-2073 | 34899-2080 | 34899-2081 |
| | | | 34899-2082 | 34899-2083 | | | | |
| | 34900 | Female | 34900-2001 | 34900-2002 | 34900-2003 | 34900-2004 | 34900-2020 | 34900-2021 |
| | | | 34900-2022 | 34900-2023 | 34900-2101 | 34900-2102 | 34900-2103 | 34900-2104 |
| | | | 34900-2120 | 34900-2121 | 34900-2122 | 34900-2123 | | |
| | | | | | | | | |
| 3 Circuit | 34899 | Male | 34899-3010 | 34899-3011 | 34899-3012 | 34899-3013 | 34899-3020 | 34899-3021 |
| | | | 34899-3022 | 34899-3023 | 34899-3030 | 34899-3031 | 34899-3032 | 34899-3033 |
| | | | 34899-3040 | 34899-3041 | 34899-3042 | 34899-3043 | 34899-3050 | 34899-3060 |
| | | | 34899-3070 | 34899-3071 | 34899-3080 | 34899-3081 | 34899-3082 | 34899-3083 |
| | | | 34899-3090 | 34899-3091 | 34899-3092 | 34899-3093 | 34899-3110 | 34899-3111 |
| | | | 34899-3112 | 34899-3113 | 34899-3120 | 34899-3121 | 34899-3122 | 34899-3123 |
| | 34900 | Female | 34900-3001 | 34900-3002 | 34900-3003 | 34900-3004 | 34900-3020 | 34900-3021 |
| | | | 34900-3022 | 34900-3023 | 34900-3101 | 34900-3102 | 34900-3103 | 34900-3104 |
| | | | 34900-3120 | 34900-3121 | 34900-3122 | 34900-3123 | 34900-3124 | 34900-3125 |
| | | | 34900-3126 | 34900-3127 | | | | |
| | | | | | | | | |
| | | | | | | | | |
| 4 Circuit | 34899 | Male | 34899-4015 | 34899-4016 | 34899-4025 | 34899-4026 | 34899-4050 | 34899-4060 |
| | | | 34899-4070 | 34899-4071 | 34899-4072 | 34899-4073 | 34899-4074 | 34899-4075 |
| | | | 34899-4076 | 34899-4080 | 34899-4081 | 34899-4082 | 34899-4083 | 34899-4084 |
| | | | 34899-4085 | 34899-4086 | | | | |
| | 34900 | Female | 34900-4010 | 34900-4011 | 34900-4012 | 34900-4013 | 34900-4014 | 34900-4015 |
| | | | 34900-4016 | 34900-4020 | 34900-4021 | 34900-4022 | 34900-4023 | 34900-4024 |
| | | | 34900-4025 | 34900-4026 | 34900-4110 | 34900-4111 | 34900-4112 | 34900-4113 |
| | | | 34900-4114 | 34900-4115 | 34900-4116 | 34900-4120 | 34900-4121 | 34900-4122 |
| | | | 34900-4123 | 34900-4124 | 34900-4125 | 34900-4126 | 34900-4130 | 34900-4131 |
| | | | 34900-4132 | 34900-4133 | 34900-4134 | 34900-4135 | 34900-4136 | 34900-4142 |
| | | | | | | | | |
| | | | | | | | | |
| 6 Circuit | 34899 | Male | 34899-6010 | 34899-6011 | 34899-6012 | 34899-6013 | 34899-6020 | 34899-6021 |
| | | | 34899-6022 | 34899-6023 | 34899-6040 | 34899-6041 | 34899-6042 | 34899-6043 |
| | | | 34899-6050 | 34899-6060 | 34899-6061 | 34899-6062 | 34899-6063 | 34899-6070 |
| | | | 34899-6080 | 34899-6081 | 34899-6082 | 34899-6083 | 34899-6090 | 34899-6091 |
| | | | 34899-6092 | 34899-6093 | 34899-6110 | 34899-6111 | 34899-6112 | 34899-6113 |
| | | | 34899-6120 | 34899-6121 | 34899-6122 | 34899-6123 | | |
| | 34900 | Female | 34900-6010 | 34900-6011 | 34900-6012 | 34900-6013 | 34900-6019 | 34900-6021 |
| | | | 34900-6028 | 34900-6030 | 34900-6040 | 34900-6041 | 34900-6042 | 34900-6043 |
| | | | 34900-6110 | 34900-6111 | 34900-6112 | 34900-6113 | 34900-6119 | 34900-6121 |
| | | | 34900-6128 | 34900-6130 | 34900-6140 | 34900-6141 | 34900-6142 | 34900-6143 |
| | | | 34900-6144 | 34900-6148 | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

OPERATION:

Separating the Male from the Female Connector

1. Disengage the CPA by pulling back as shown in Figure 2.

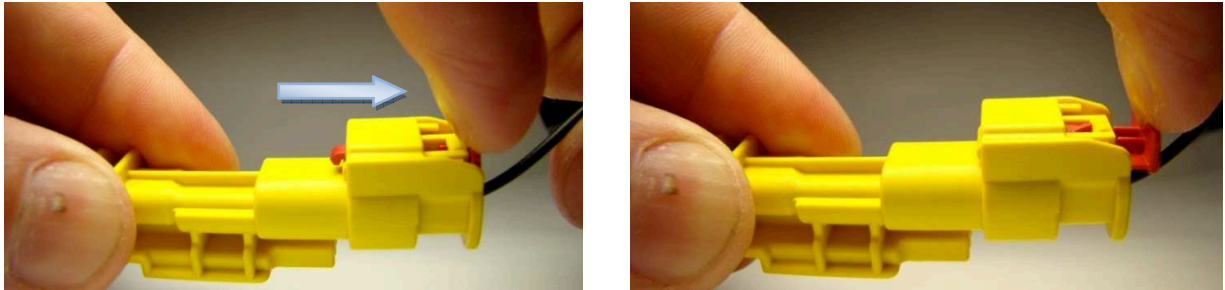


Figure 2

2. Push the connector halves together to unload the pressure on the latch system.
3. Depress the CPA latch with your thumb and hold it down while gently pulling the connector halves apart. See Figure 3.

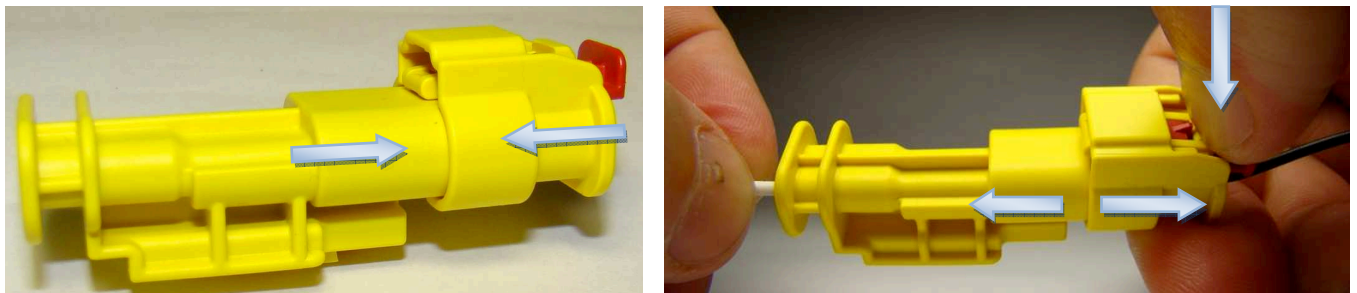



Figure 3

Removing the Terminal

Male Connector

When removing damaged crimp wires the PLR on the male connector will need to be opened first.

1. To open the Primary Lock Reinforcement (PLR) use the serrated tip of the tweezers in the tool kit.
2. Grip the center rib feature of the PLR and pull the PLR out just enough so that the locking latches are visible (open position).  **Do not remove the PLR.** See Figure 4 and 5.

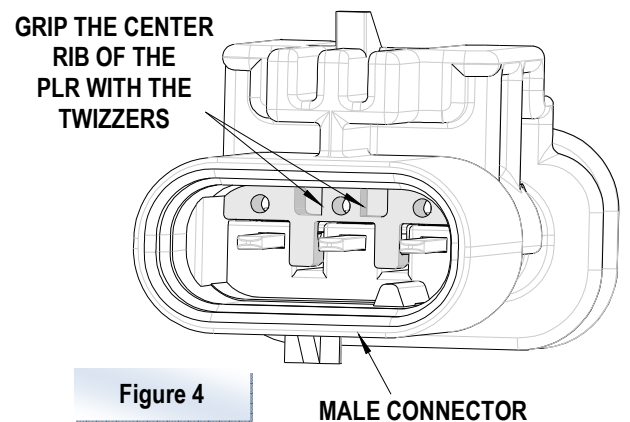
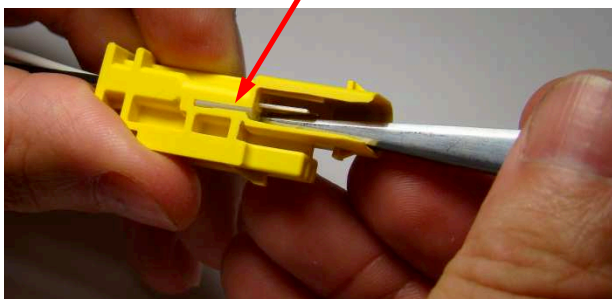


Figure 4

MALE CONNECTOR

PLR IN LOCKED POSITION



PLR IN OPEN POSITION

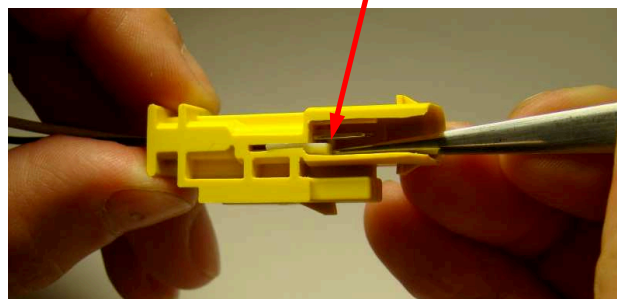


Figure 5

OPERATION:

When removing a damaged crimped terminal from the 1.2mm sealed male housing follow the steps below:

1. Using the 63824-2900 tool, position the extraction tool blade into the small hole (in line with the terminal to be removed) in the PLR. See Figure 6.
2. Push the crimped wire forward in the arrow direction before using the Extractor Tool.
3. Continue to push the extractor tool into the small hole until it clicks or comes to a stop.
4. This should separate the latch from the terminal. Do not force the extractor tool any farther, otherwise it may damage the housing.
5. Holding the extractor tool against the housing, gently pull the crimped wire out of the connector. See Figure 7.

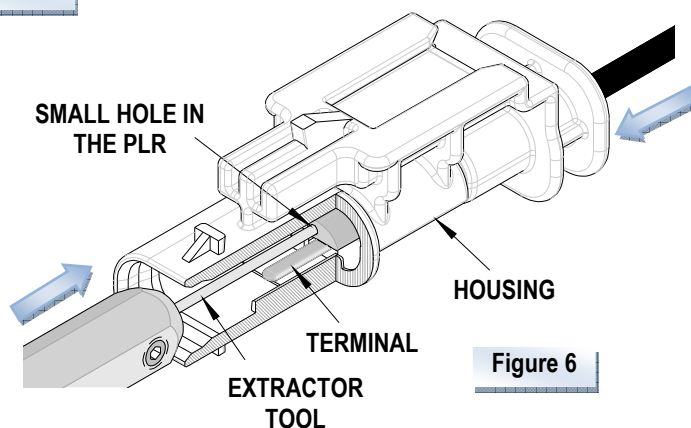


Figure 6

LATCH IN THE LOCKED POSITION

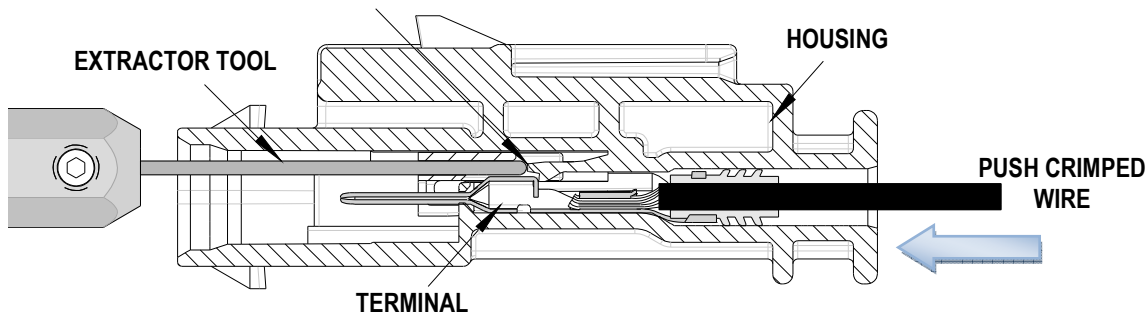
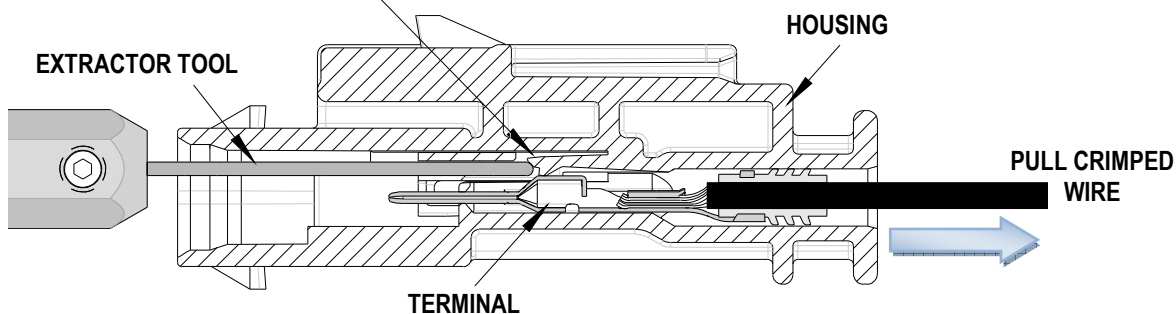


Figure 7

LATCH IN THE UNLOCKED POSITION



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.

Female Connector

When removing damaged crimp wires the Independent Secondary Lock (ISL) on the female connector will need to be opened first.

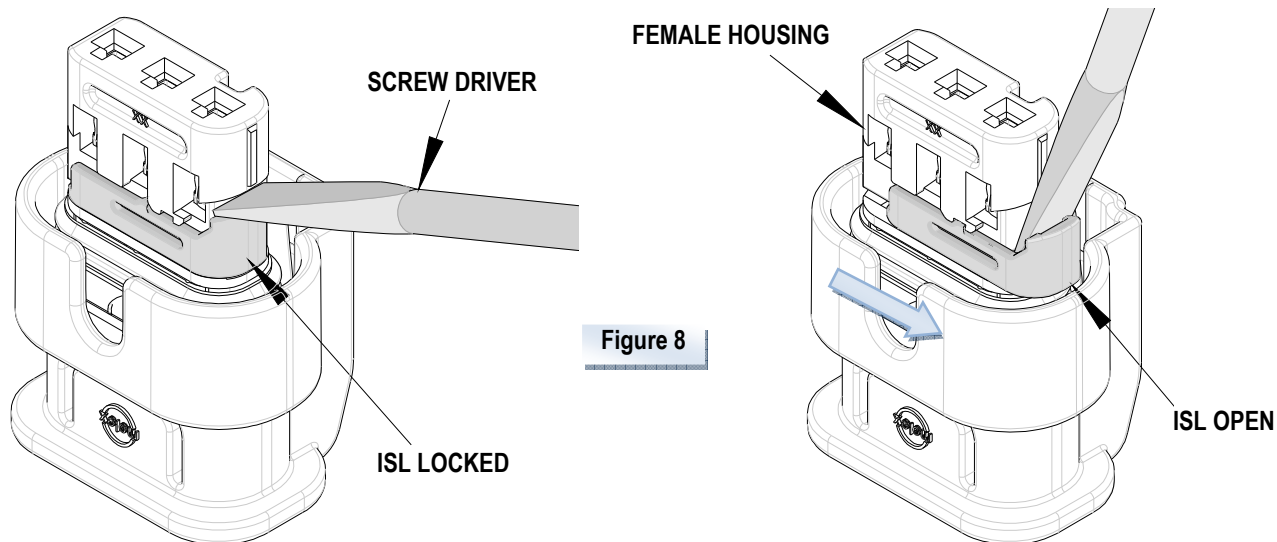


Figure 8

6. Using the Molex 63600-4398 Screwdriver in the tooling kit, insert the flat edge under the lip of the female housing and under the top edge of the ISL. See Figure 8.
7. Using the blade of the screwdriver gently slide the ISL out until it comes to a stop. **⚠ Do not remove the ISL.**

OPERATION:

When removing a damaged crimped terminal from the 1.2mm sealed female housing follow the steps below:

1. Push the crimped wire forward in the arrow direction before using the Extractor Tool.
2. Using the 63824-2900 tool, position the blade of the extraction tool into desired small slot (in line with the terminal to be removed) in the front face of the female housing as shown in Figure 9.

⚠ WARNING: Do not insert the blade of the extractor into the large slots the contact beam will be damaged.

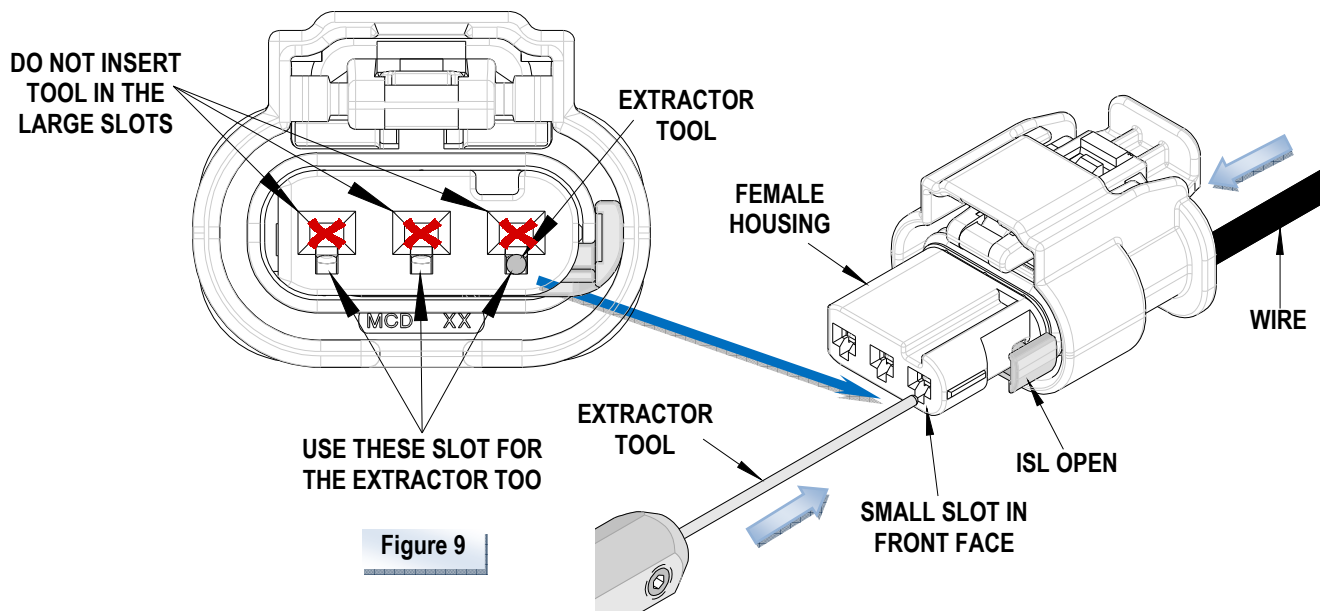
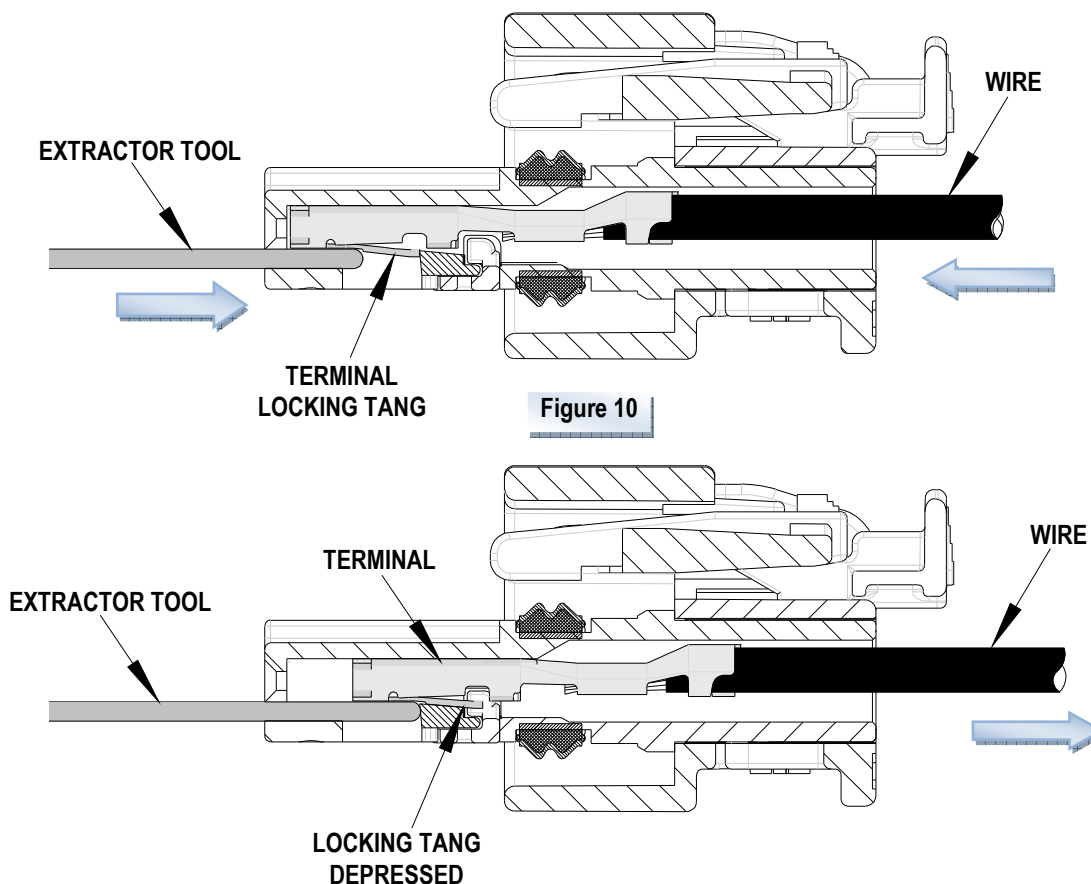


Figure 9

3. Continue to push the extractor tool into the small hole until it comes to a stop. Do not force the extractor tool any farther, otherwise it may damage the housing.
4. Depress the terminal locking tang and gently pull the terminal back through the connector slot in the arrow direction as shown in Figure 10.



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. Avoid lifting the housing lock too high.

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.

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