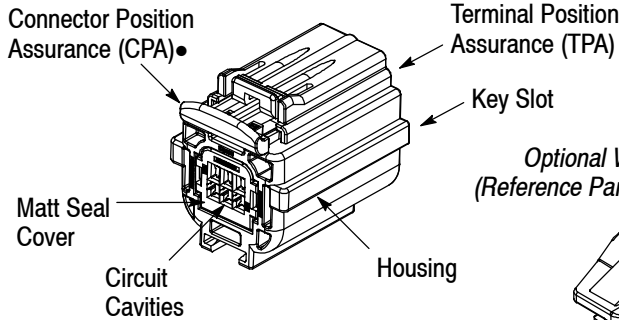
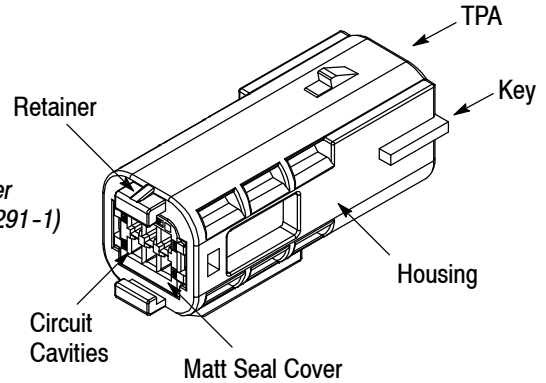


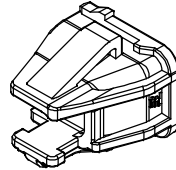
**Plug Assembly Connector
(Reference Part Number 1924211-1)**



**Cap Assembly Connector
(Reference Part Number 1924212-1)**



**Optional Wire Dress Cover
(Reference Part Number 1924291-1)**



• Available with or without

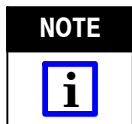
CONNECTOR	TERMINAL (Not available from Tyco Electronics Corporation)	
	Description	Part Number
Plug Assembly	JST Female Receptacle	SAIT-A03T-M064
	YAZAKI Female Receptacle	7116-4618-02
Cap Assembly	JST Male Pin	SAITW-A03T-064

Figure 1

1. INTRODUCTION

This instruction sheet covers assembly (inserting terminals into the connectors and mating the connectors) and disassembly (unmating the connectors and extracting the terminals from the connectors) procedures for 6-position 0.64mm sealed inline connectors shown in Figure 1.

These connectors accept the terminals listed in Figure 1. An optional wire dress cover is available for the cap assembly to protect the termination point of the wires to the contacts.



Dimensions in this instruction sheet are in millimeters [with inches in brackets]. Figures are not drawn to scale.

2. DESCRIPTION

Each connector features a housing (with circuit cavities), a matte seal (located in front of the cavities), matte seal cover, TPA, and a key or key slot. In addition, the plug assembly features a ring seal and is available with or without a CPA; and the cap assembly features a retainer. The retainer secures the optional wire dress cover. Refer to Figure 1.

Each row of cavities is marked on the wire end of the connector for circuit identification. The cavities are

JST is a trademark of Nippon Acchakutanshi Seizo Kabushiki Kaisha.
Yazaki is a trademark of Yazaki Corporation.

polarized to prevent the terminals from being inserted upside-down. When inserted, the terminal deflects a retention finger, locking the terminal into place. After all terminals are inserted, the TPA is used to ensure that the terminals are fully seated and to provide additional terminal retention. If a terminal is not fully seated, the TPA will not move.

Each connector is shipped with the TPA in the pre-set position. The TPA is actuated when moved to the fully engaged position.

When mating connectors, the key and key slot are used to align the mating connectors. The CPA (if present) is used to ensure that the connectors are fully engaged.

3. ASSEMBLY

Before starting assembly, ensure the following:

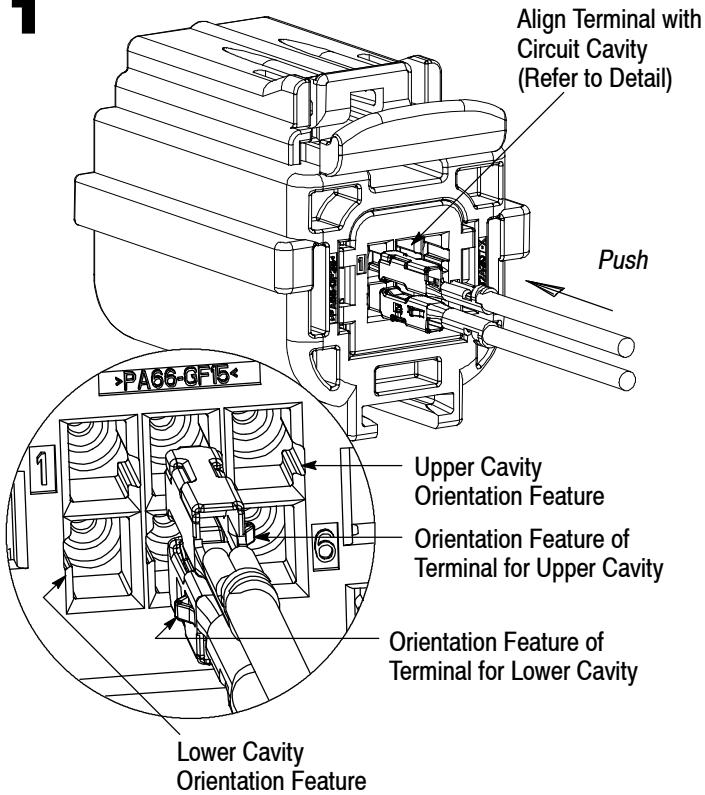
- all terminals are properly crimped (consult terminal manufacturer)
- connector TPA is in the pre-set position before inserting any terminals into the circuit cavities
- plug assembly CPA (if present) is in the pre-set position before mating the connectors

4. REVISION SUMMARY

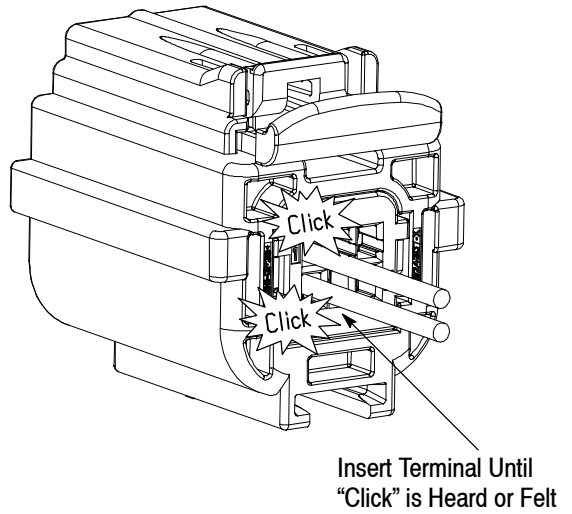
- Initial release of instruction sheet

Inserting Terminals into Plug Assembly

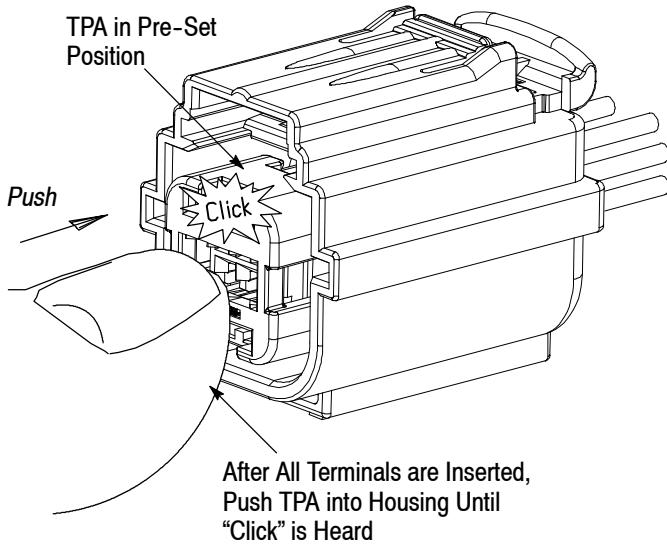
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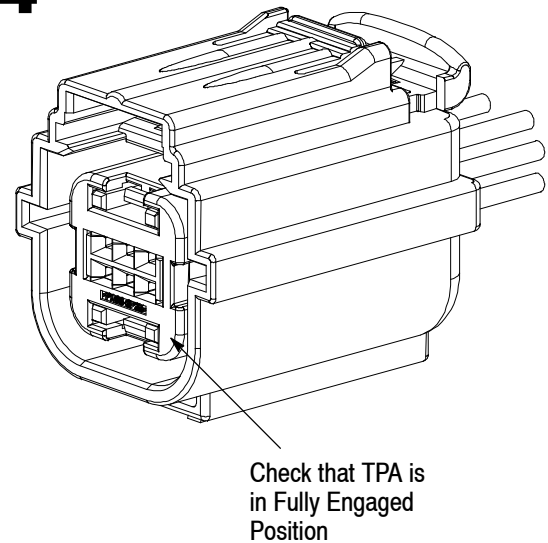
2



3



4



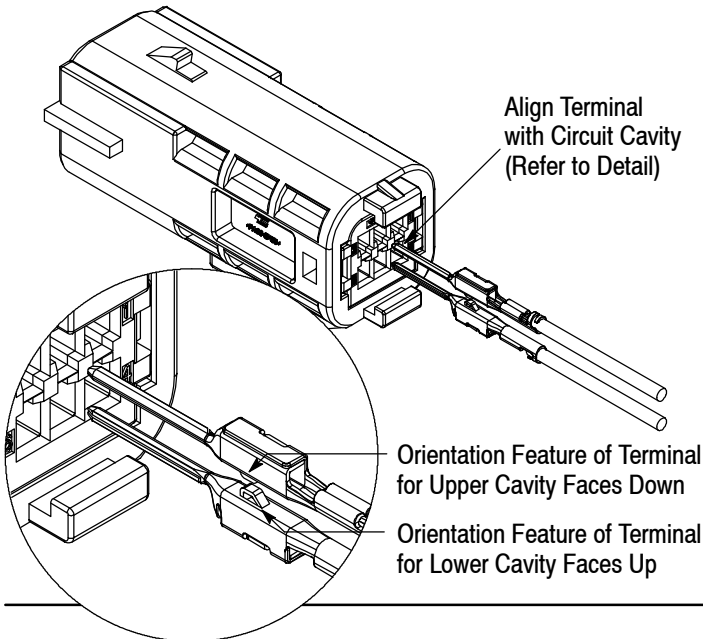
NOTE



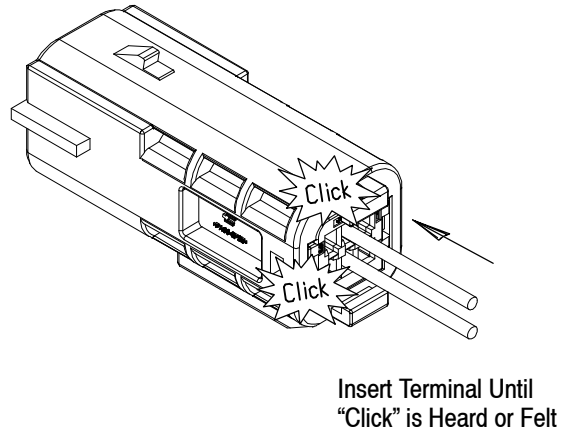
If there is resistance when pushing TPA, pull TPA to pre-set position, ensure that all terminals are fully seated, then try again. DO NOT force TPA to move.

Inserting Terminals into Cap Assembly

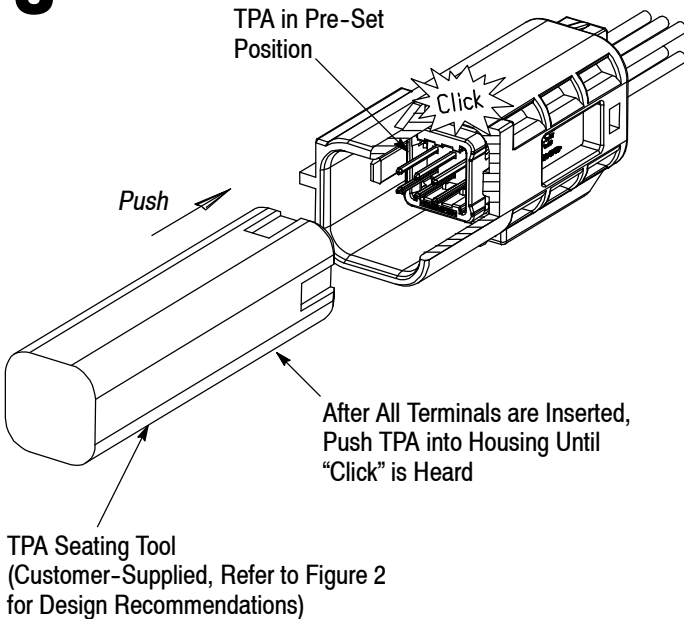
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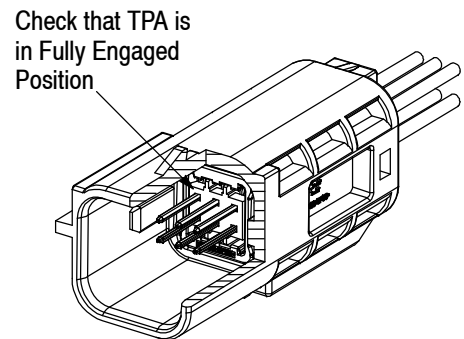
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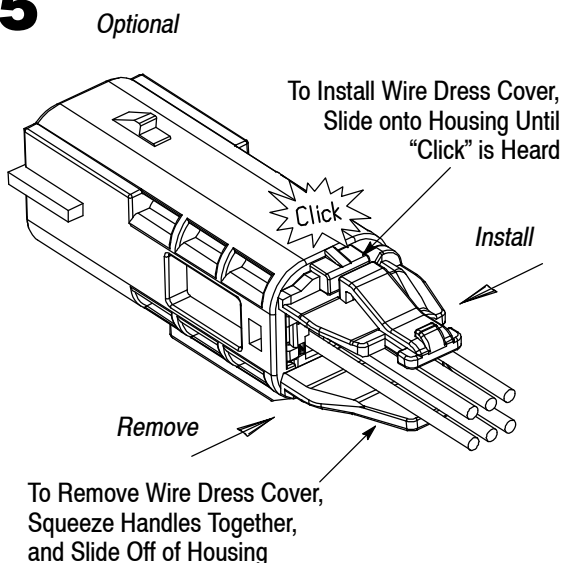
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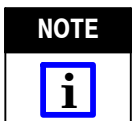
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5



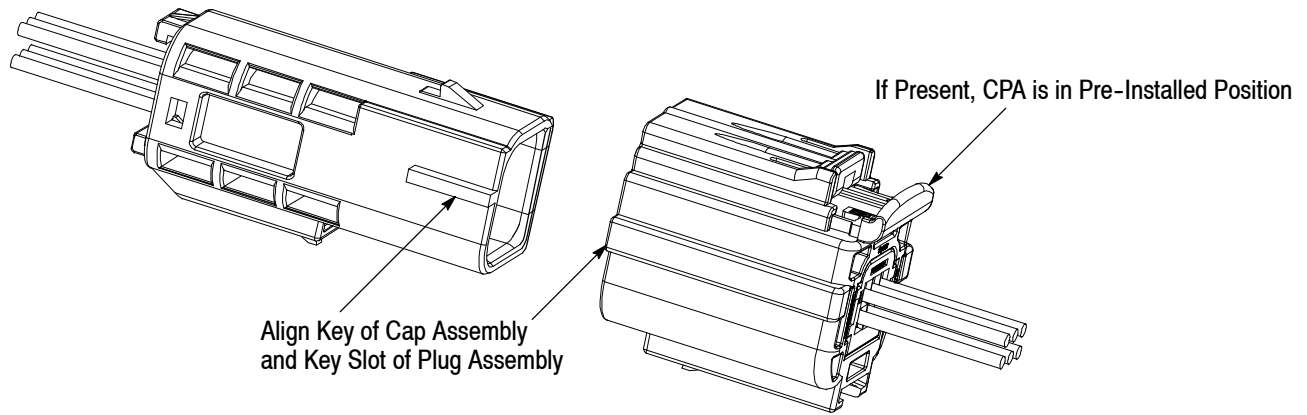
CAUTION Make sure to avoid pushing the tips of the terminals.



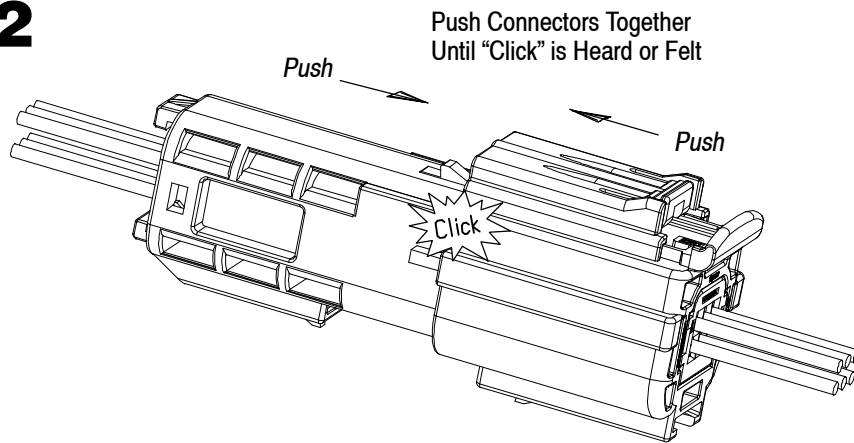
NOTE If there is resistance when pushing TPA, pull TPA to pre-set position, ensure that all terminals are fully seated, then try again. DO NOT force TPA to move.

Mating Connectors

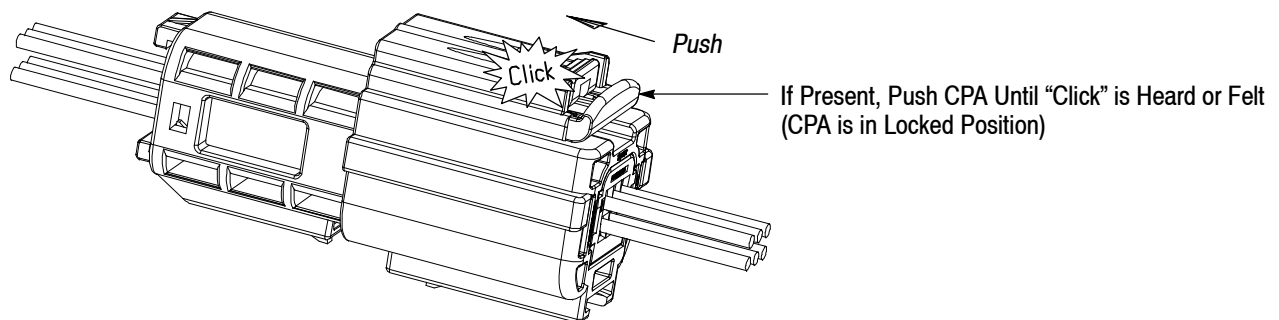
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2

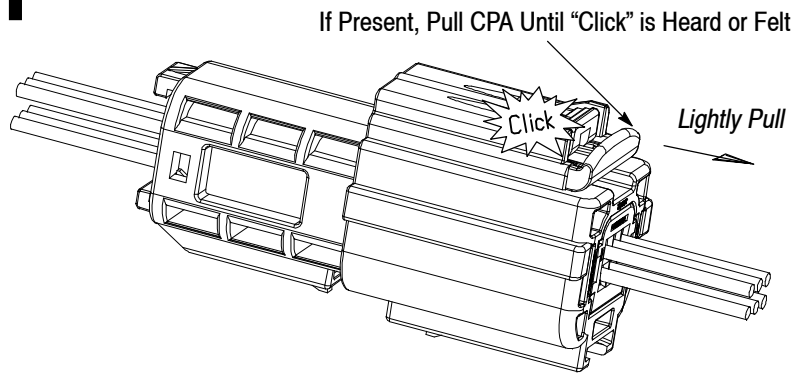


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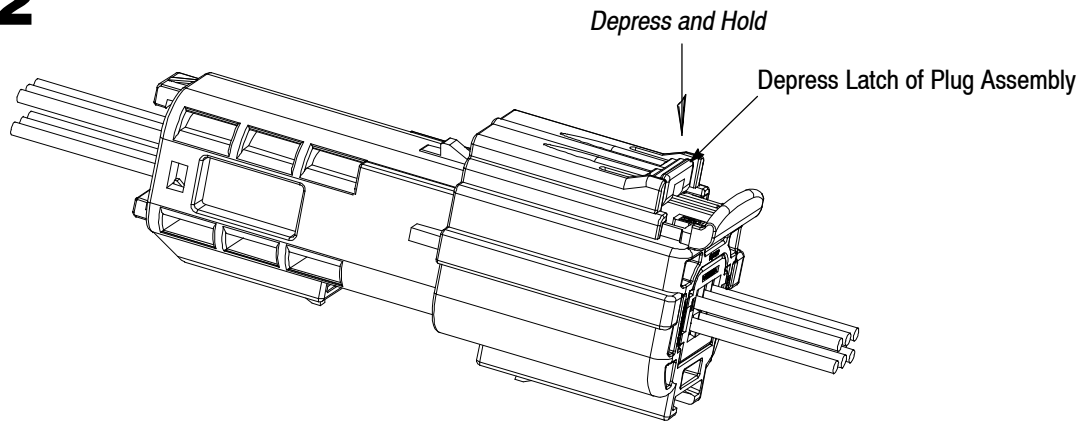


Unmating Connectors

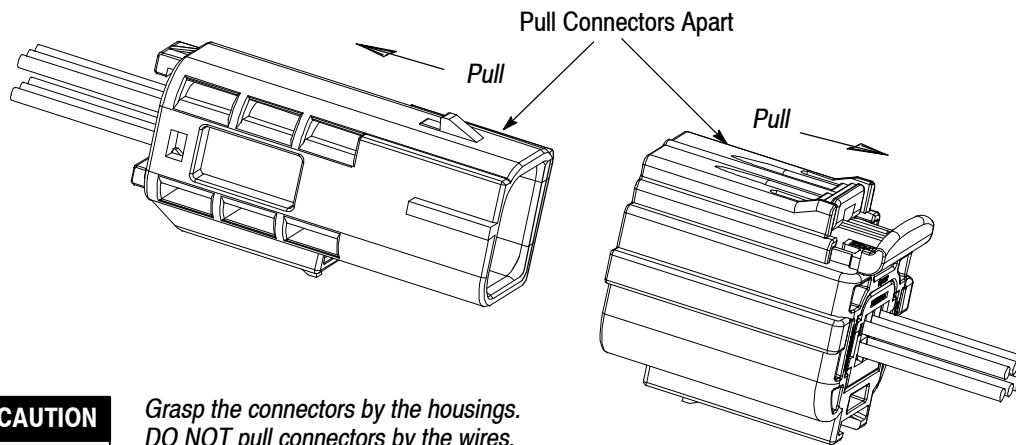
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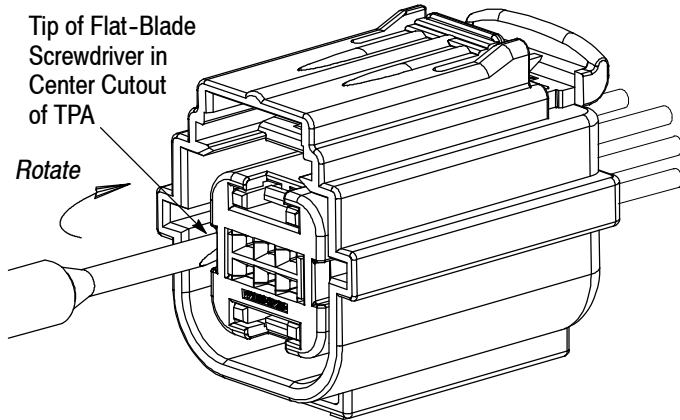
3



Grasp the connectors by the housings.
DO NOT pull connectors by the wires.

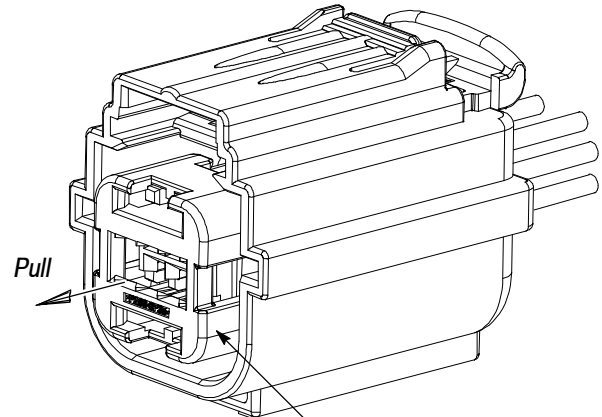
Extracting Terminals from Plug Assembly

1



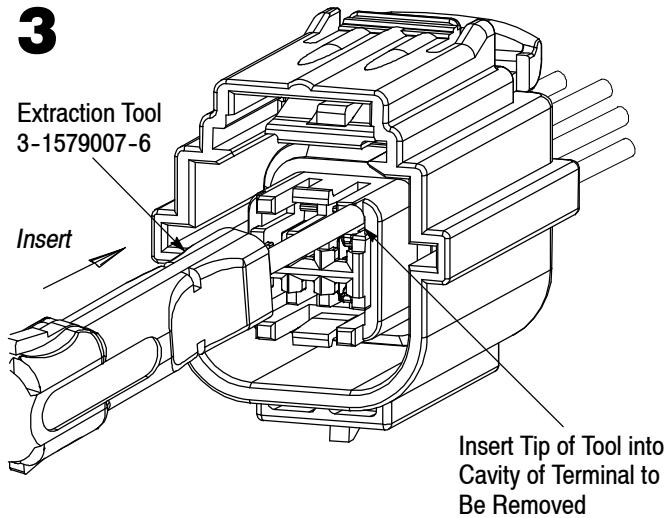
Rotate Screwdriver Toward Outside of Housing Until TPA is Disengaged

2



Remove TPA from Housing

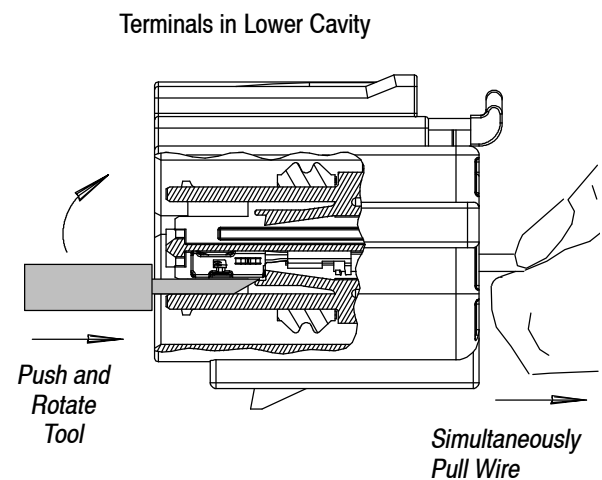
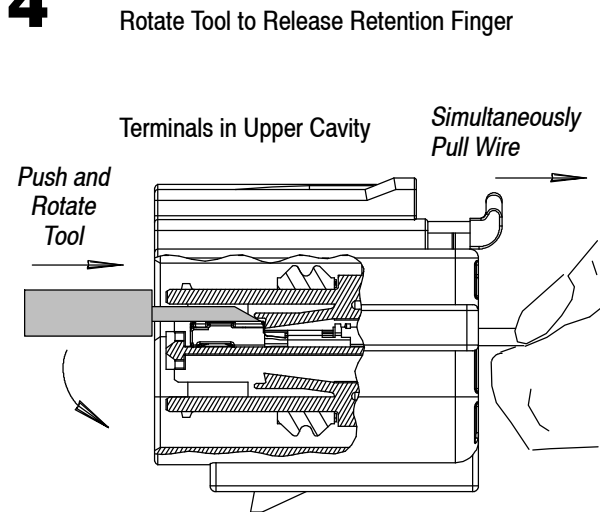
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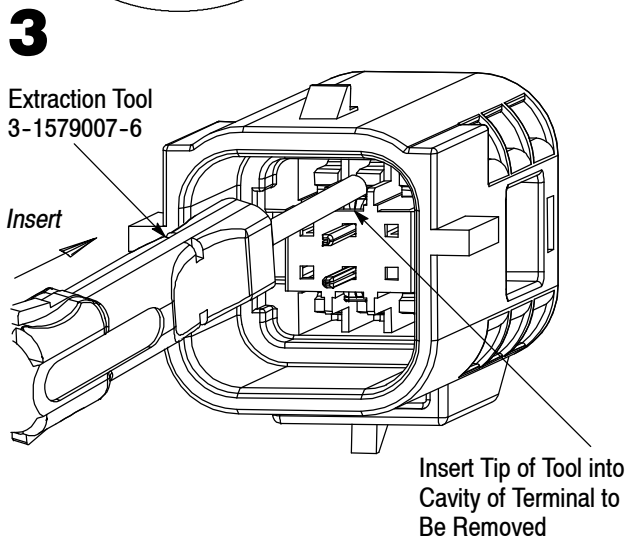
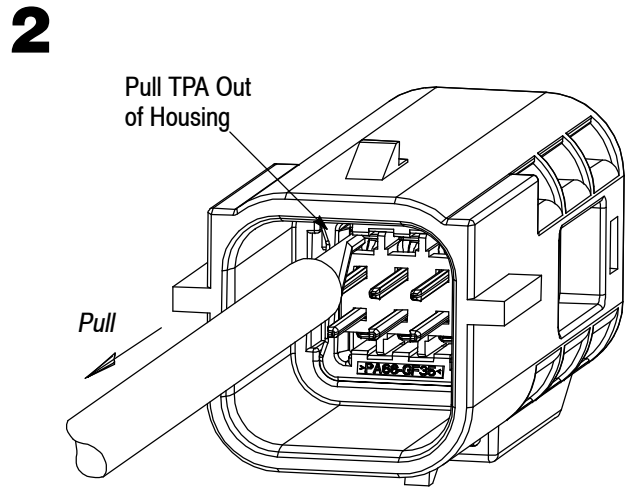
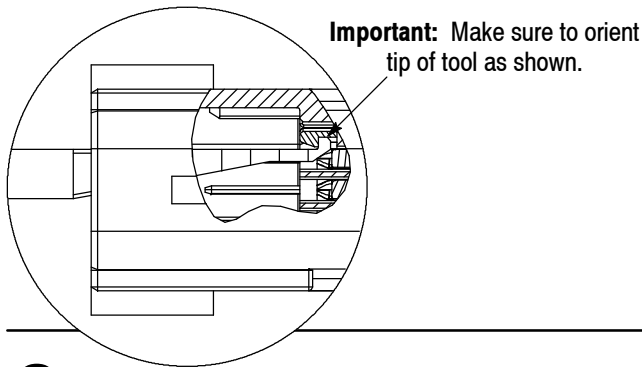
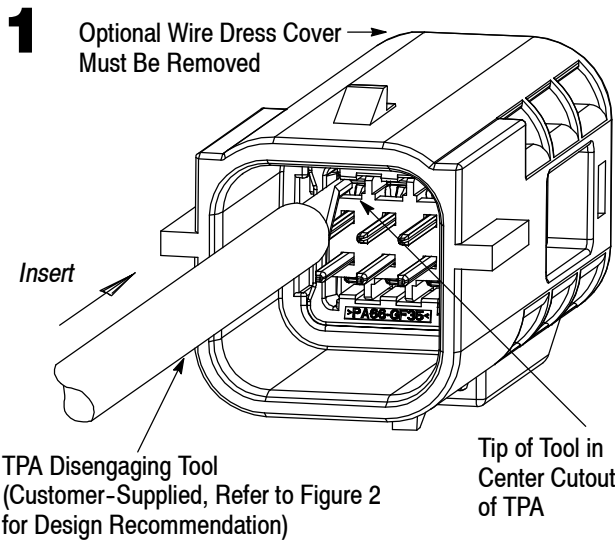
Note: Place Tip of Tool
Above Terminal in Upper Cavity
Below Terminal in Lower Cavity
Tip Must Be Between Terminal and Plug Retention Finger as Shown in Step 4

Important: Make sure to orient tip of tool as shown in Step 4.

4

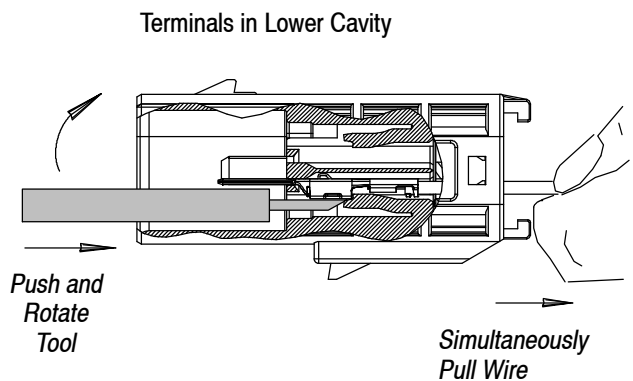
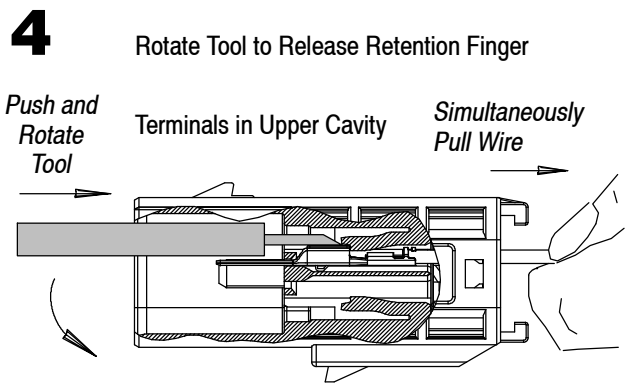


Extracting Terminals from Cap Assembly

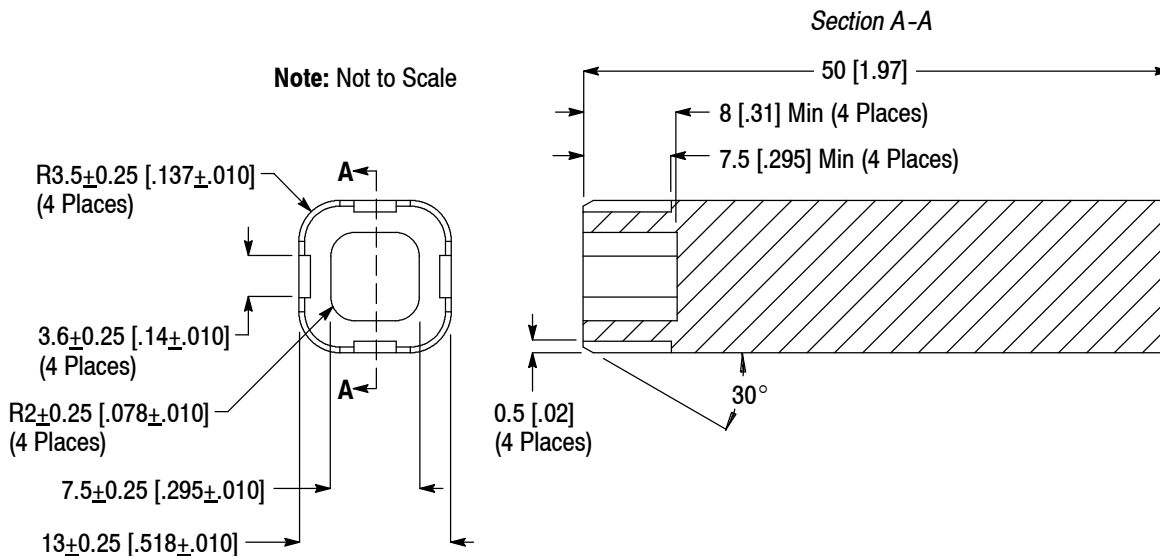


Note: Place Tip of Tool Above Terminal in Upper Cavity Below Terminal in Lower Cavity
Tip Must Be Between Terminal and Plug Retention Finger as Shown in Step 4

Important: Make sure to orient tip of tool as shown in Step 4.



**Recommended Design for
TPA Seating Tool for Cap Assembly**



**Recommended Design for
TPA Disengaging Tool for Cap Assembly**

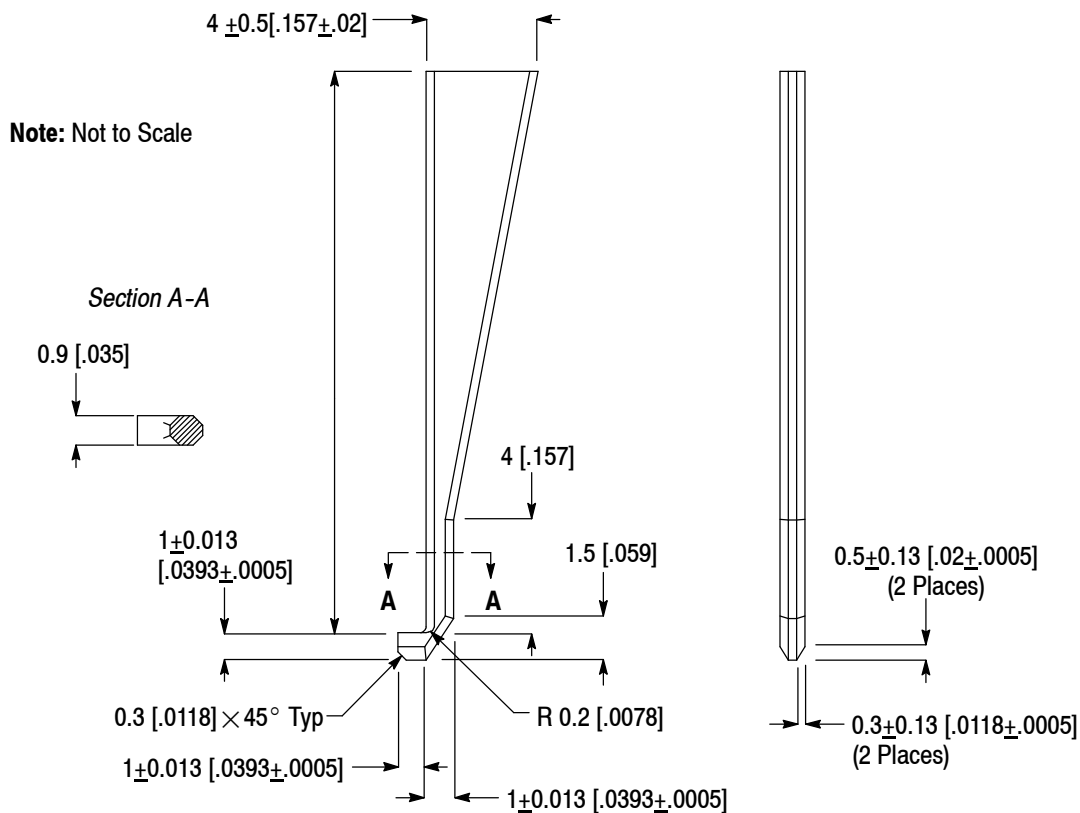


Figure 2