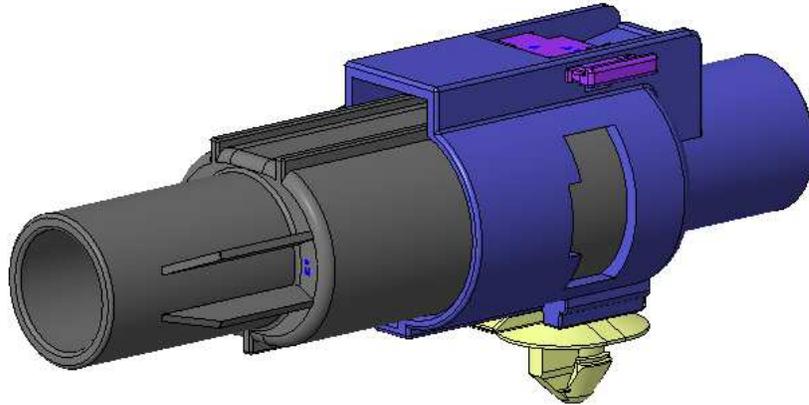


AMP MCP 9.5mm 1 POS. CONNECTOR



A	RELEASED	YH MA/ YJ YOUN	02-NOV-2017
REV.	DESCRIPTION	DR/CHK	DATE



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A - OBJECT

1 POS. PLUG ASS'Y P/N 1743793-1
1 POS. CAP ASS'Y P/N 1743797-1

B - SCOPE

To provide useful information for the correct assembly of the harness and the correct assembly of the connector

C - PACKAGING AND STORAGE OF THE CONNECTORS

Connectors will be supplied into carton box. This package is applicable for either main bodies 1 ways (figure 1) placed by layer of trays.

Avoid storing the connector in a moist or dusty environment. Stock the connector in a comparatively dry and clean place (5~35°C, 45~85% RH) away from direct sunlight.

Do not drop or shock connector when carrying it.

The contacts that can be used for this application are listed on Table 1 and are delivered on carton reels.

Detailed instructions for crimping contact are given in application specification:

114-18269 for AMP MCP 9.5 contact.

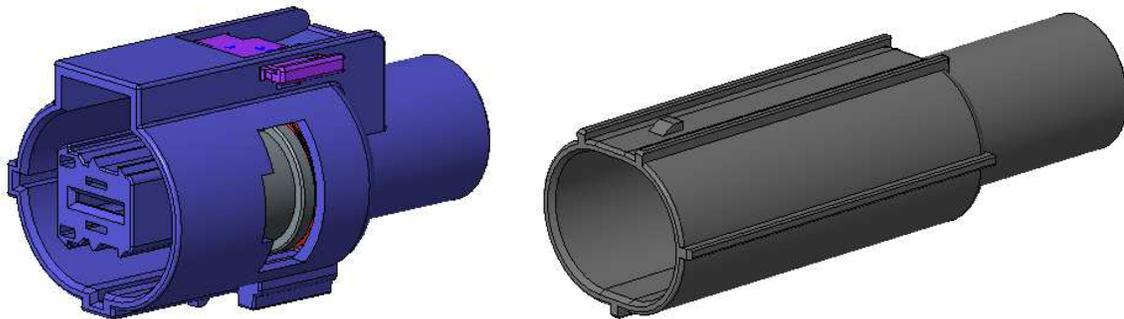


Fig. 1

Table 1 – Contacts			
Name	Crimp section(mm ²)	Insulation section(mm)	Base part number
AMP MCP 9.5 REC	6.0 ~ 10.0	ø4.6~ø6.6	1-967590-1
AMP MCP 9.5 TAB	6.0 ~ 10.0	Ø4.7~ø6.6	936774-X
1355437-2	SINGLE WIRE SEAL FOR AMP MCP 9.5		

D - CONTACTS LOADING

Insert the contacts into the housing cavities (figure. 2-1, 2-2) until the contact lances are locked in the cavities.

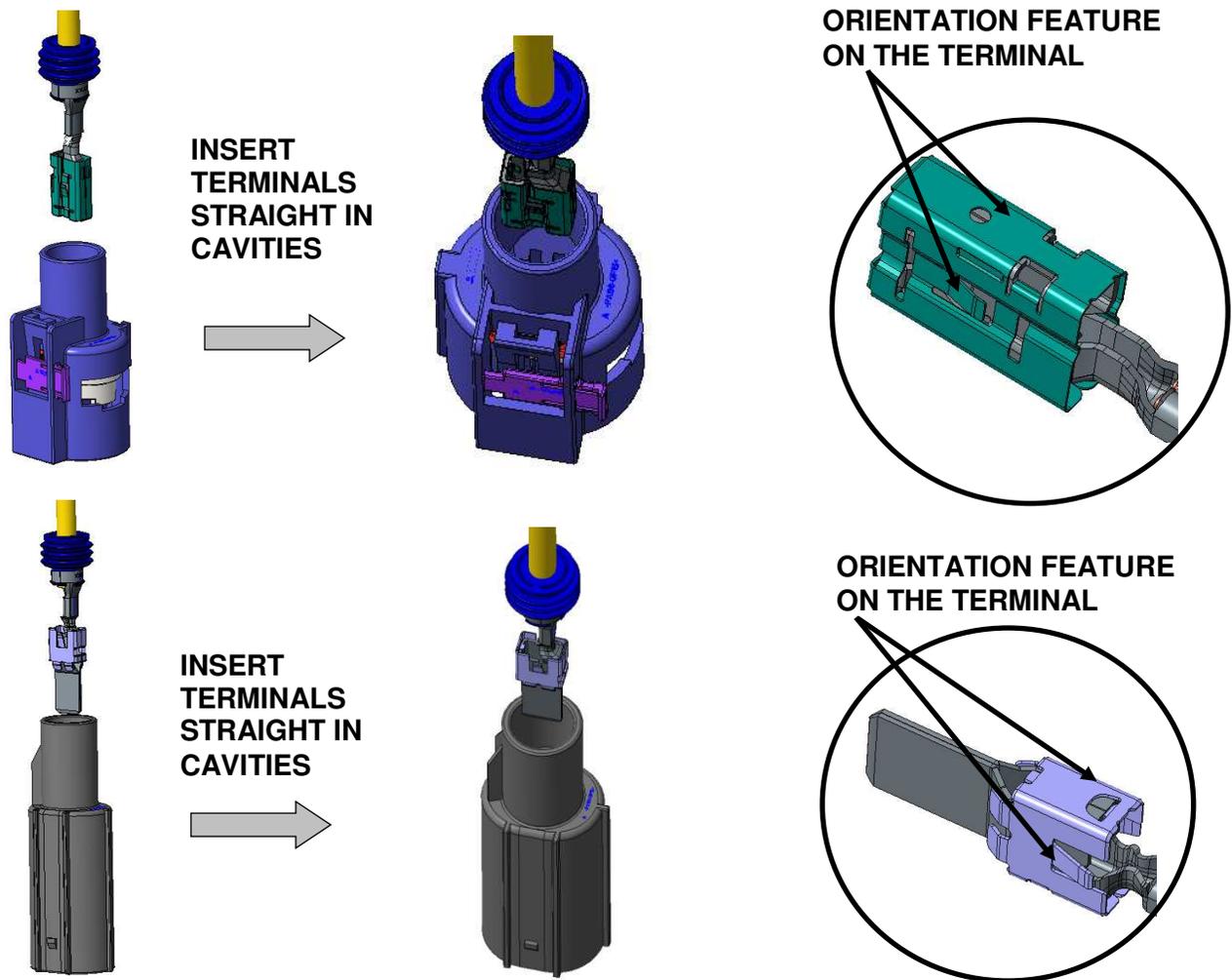


Fig. 2-1

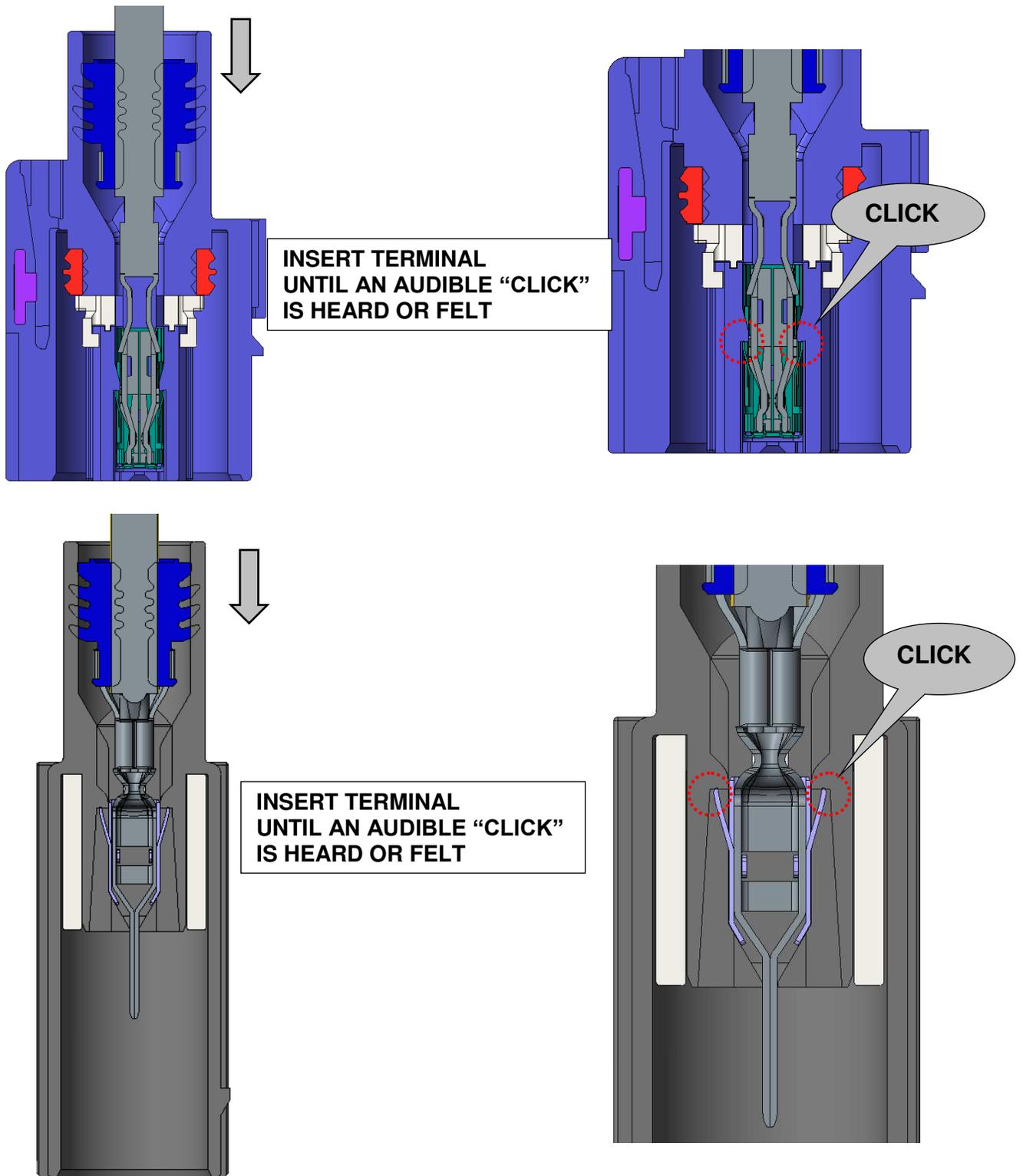


Fig. 2-2

E - SECONDARY LOCK DEVICE CLOSING

After the contacts are loaded close the secondary lock device by pushing in the direction shown by the arrow (figure 3) until fully seated.

Warning!

If you feel an unusual resistance, don't push more. Check the correct contact insertion in these cavities and after, proceed to close the device again.

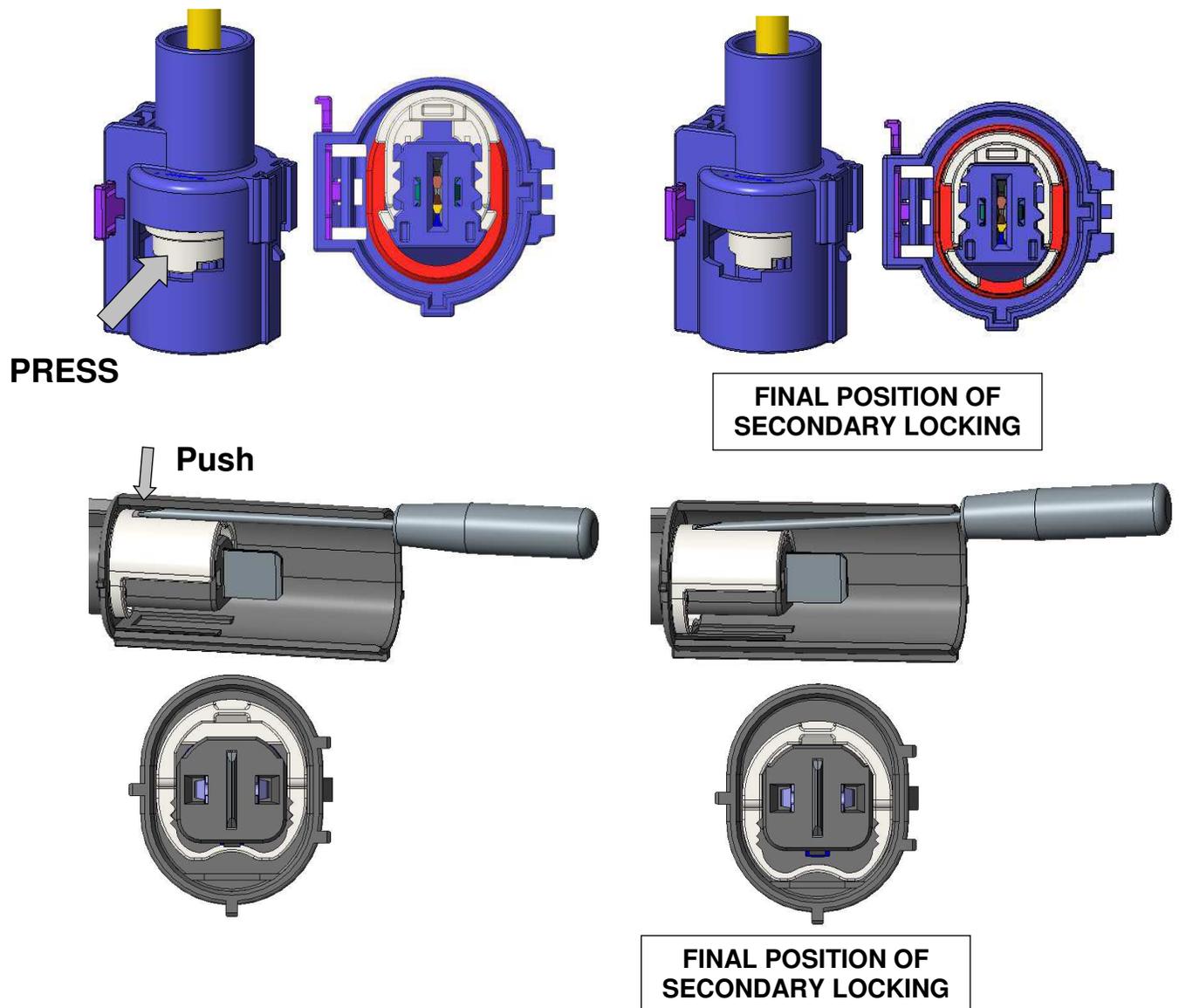


Fig. 3

F – CONTACT EXTRACTION

To extract a contact, the following steps are to be made:

1. Shift secondary lock to the pre-lock position (figure 4-A, 4-B);
2. Extract the contact with the appropriate tool (figure 5-A, 5-B);

To remove the contact use:

Extraction tool P/N 539971-1 for contacts AMP MCP 9.5 REC.

Extraction tool P/N 1-1579007-7 for contacts AMP MCP 9.5 TAB

This is shown in (figure 5-A, 5-B)

After inserting the extraction tool, pull out the wire from the housing cavity.

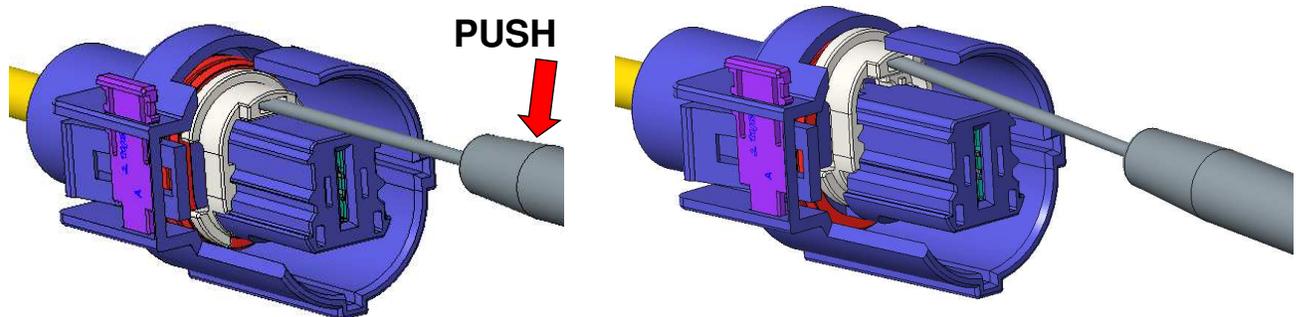


Fig. 4-A

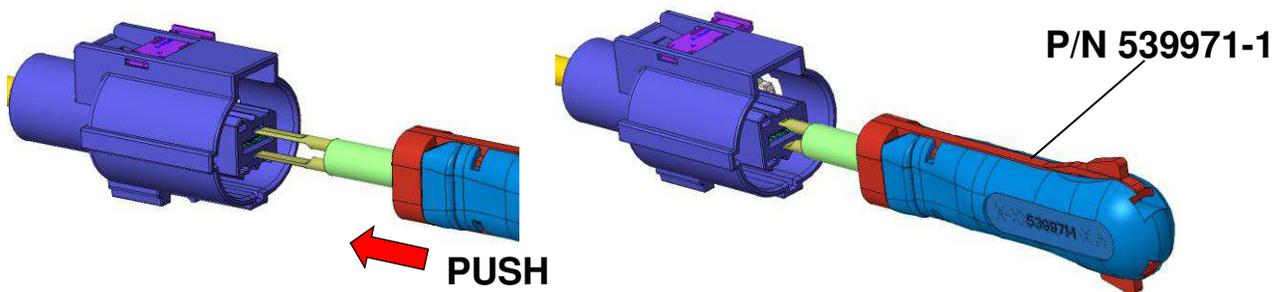


Fig. 5-A

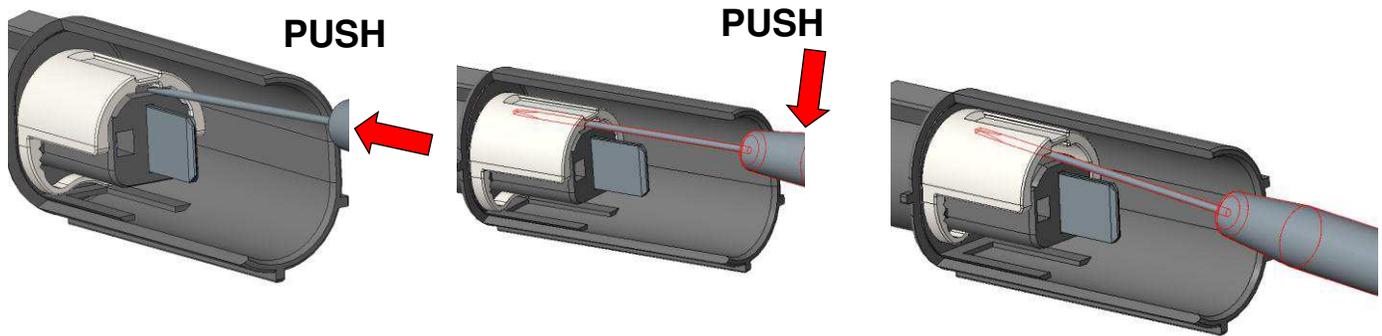


Fig. 4-B

After inserting the extraction tool, pull out the wire from the housing cavity.

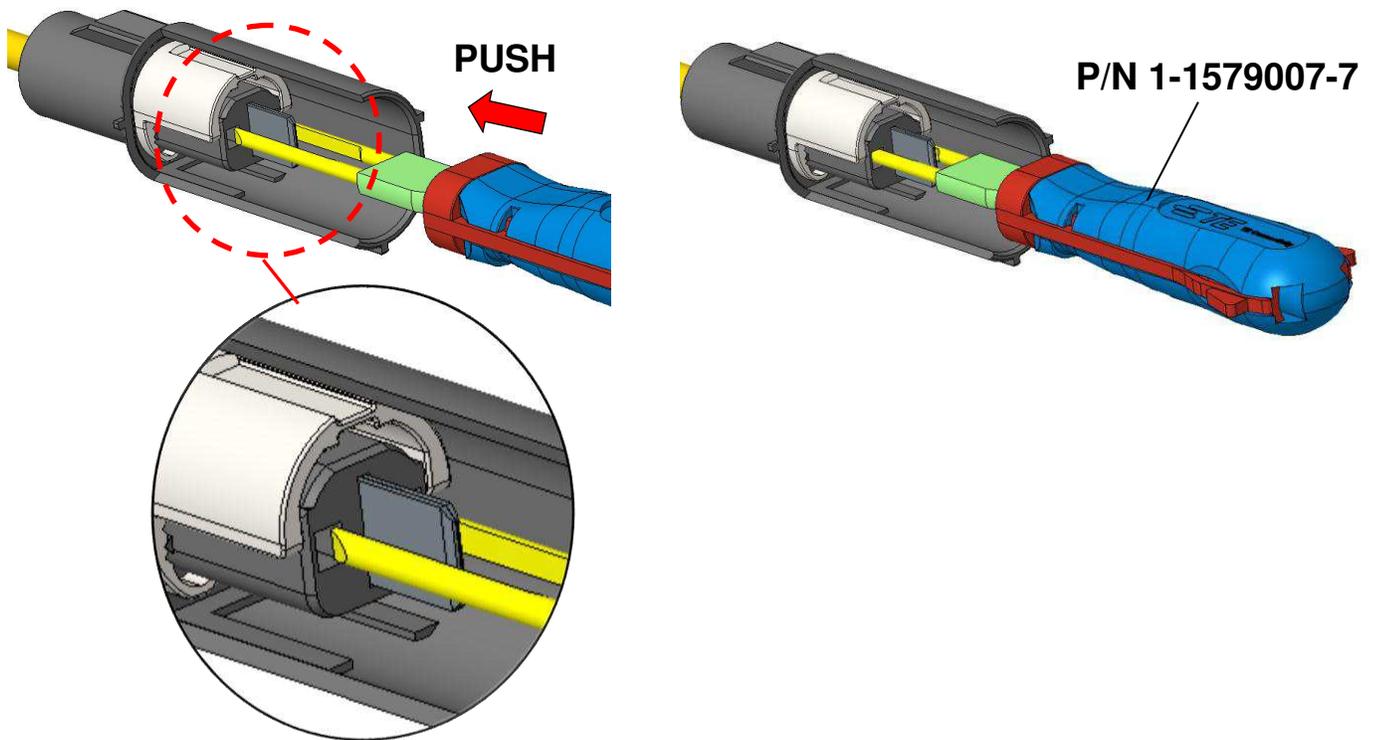


Fig. 5-B

G – MATING CONNECTORS

Check to ensure connector key rib match mating counterpart (figure 6-A)

Push connector straight onto mating counterpart until locking latch is fully engaged over locking ramp (figure 6-B). An audible “click” is heard or felt.

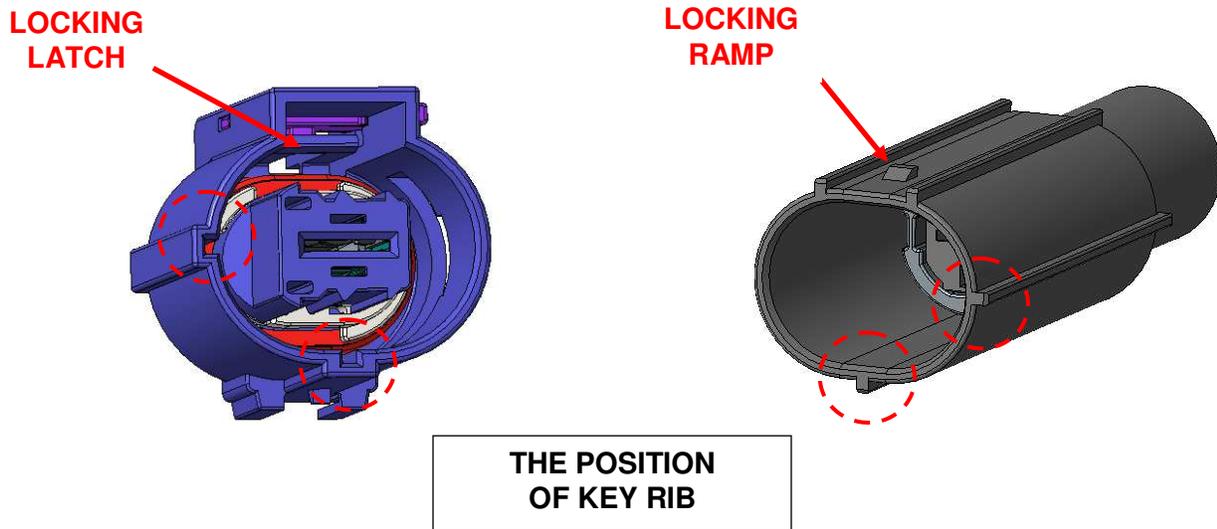


Fig. 6-A

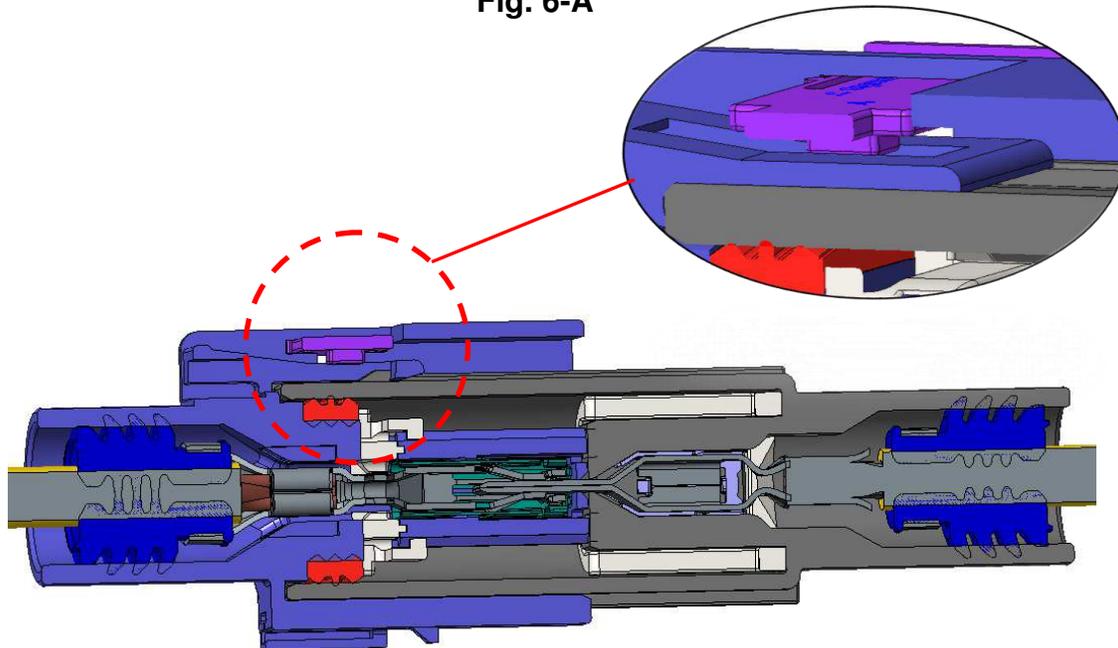


Fig. 6-B

H- CLOSING THE CPA

Push the CPA in direction shown (figure 7-A) until fully engaged over the locking latch (figure 7-B). If CPA engagement force is high, check to ensure locking latch is fully engaged over locking ramp as described in section G.

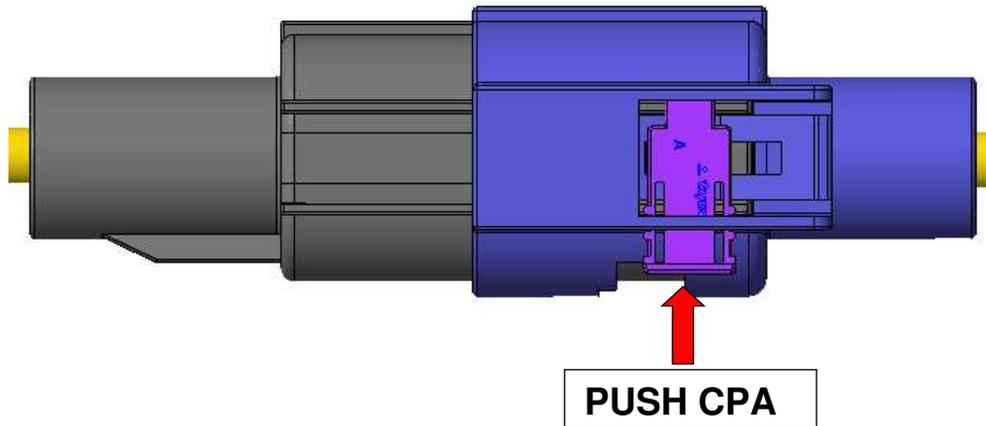


Fig. 7-A

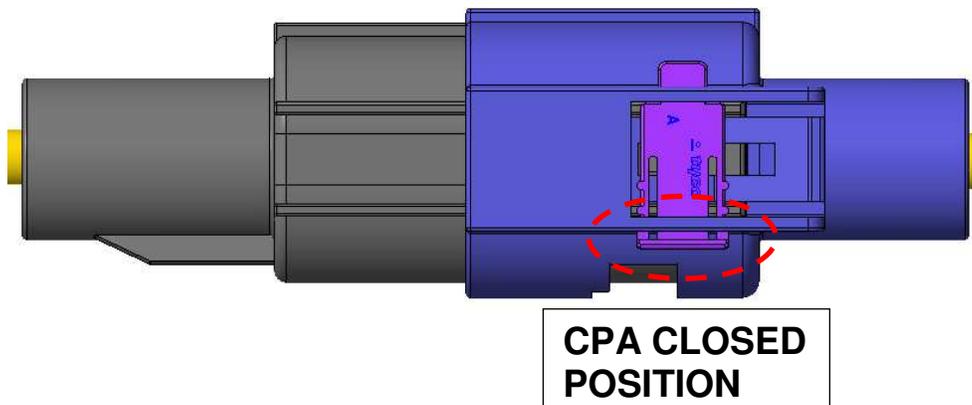


Fig. 7-B

I – CPA DISENGAGEMENT

Push the CPA in direction shown (figure 8-A) until it is in pre-lock position (figure 8-B).

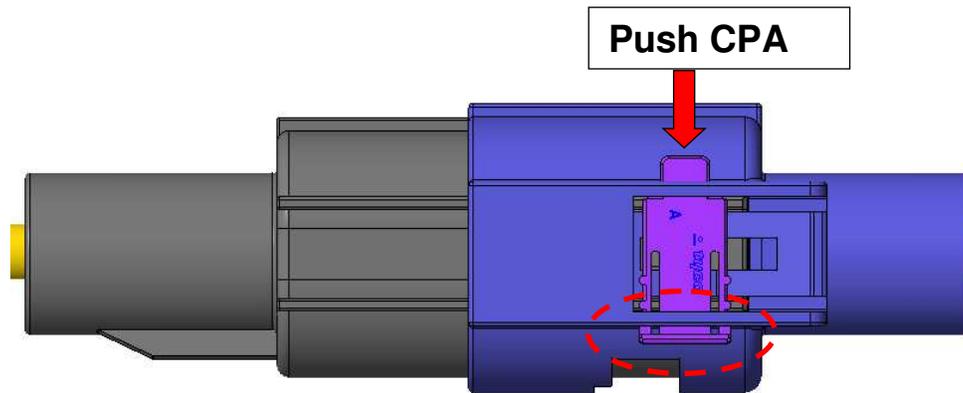


Fig. 8-A

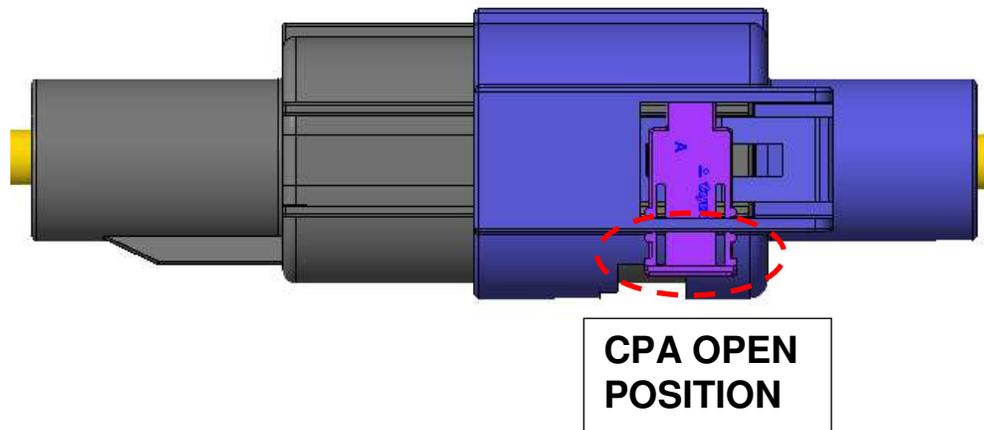


Fig. 8-B

J – UNMATING CONNECTORS

With CPA in open position, depress locking latch until fully released from mating interface locking ramp.
Pull connector straight off.

