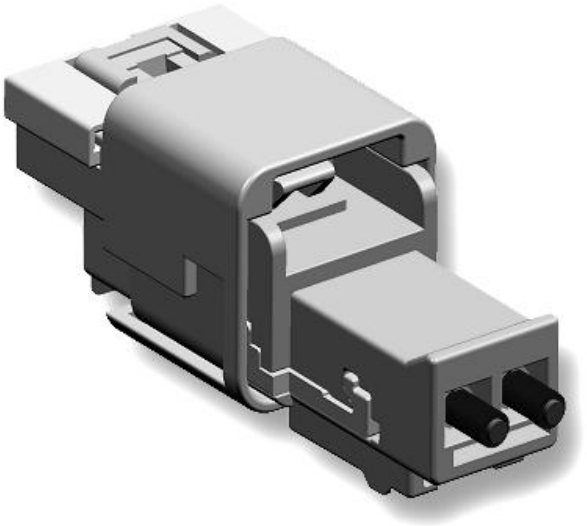
DELPHI

Assembly Manuals

2 - 6-way Connector Family
for GT 280 Terminal System
UNSEALED

Assembly / Disassembly



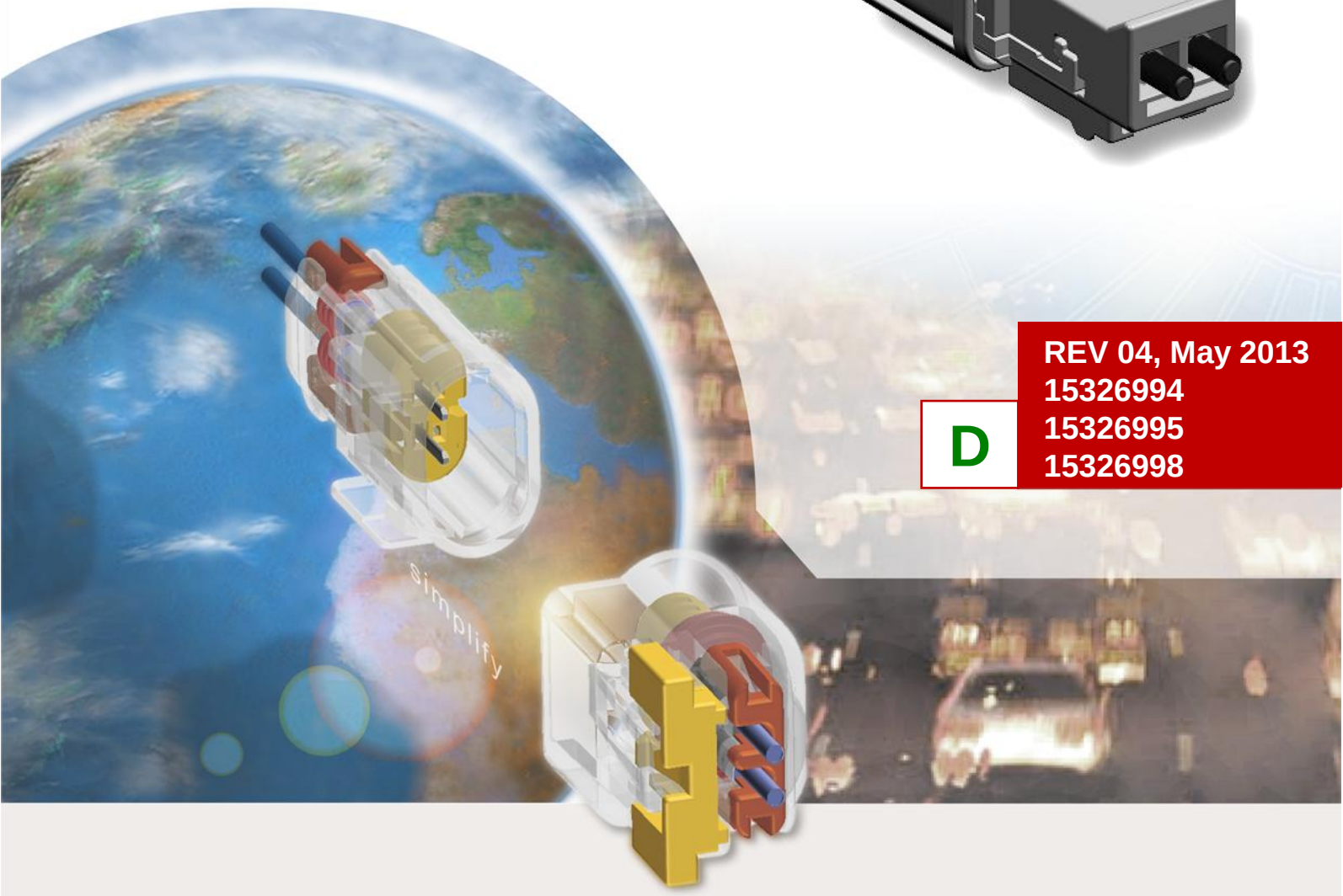


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TABLE OF CONTENTS

Page

Exploded view 3
List of components 4, 5
View of versions 6, 7
FEMALE SEQUENCE 8
Pre-assembly: 8
Step F-1: inserting *SLC* 8
Step F-2: inserting *CPA* 9
Assembly: 10
Step F-3: inserting *GT 280 Female Terminals* 10
Step F-4: pushing *SLC* 11
Step F-5: electrical test 12
MALE SEQUENCE 13
Pre-assembly: 13
Step M-1: inserting S*LC* 13
Assembly: 14
Step M-2: inserting *GT 280 Male Terminals* 14
Step M-3: pushing *SLC* 15
Step M-4: electrical test 16
CONNECTING SEQUENCE: 17
Step C-1: connecting Connectors 17
Step C-2: locking *CPA* 18
Disassembly sequence 19
Table of tools 26
Revisions 27

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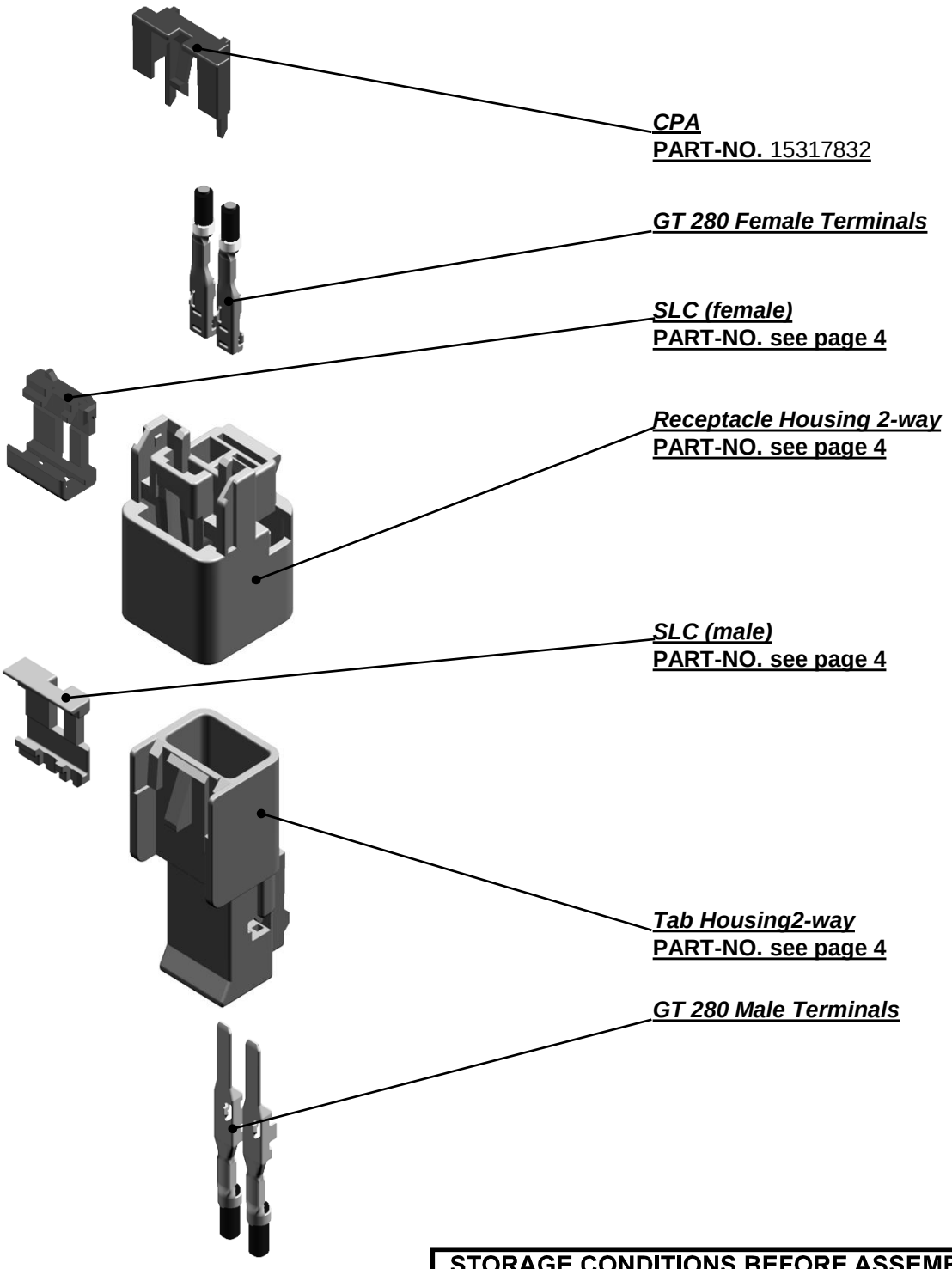
EXPLODED VIEW



STORAGE CONDITIONS BEFORE ASSEMBLY	
TEMPERATURE:	+18°C to +55°C
RELATIVE HUMIDITY:	45% to 85%
ATMOSPHERIC PRESSURE:	860 hPa to 1060 hPa
STORAGE TIME:	min. 24 hours

LIST OF COMPONENTS

Component (single parts)	Delphi PART-NO.*	Customer PART NO.	amount
Receptacle Housing 2-way	15326869	-	1
Tab Housing 2-way	15326873	-	1
CPA	15317832	-	1
SLC (female)	15326872	-	1
SLC (male)	15326875	-	1
Receptacle Housing 3-way	15326876	-	1
Tab Housing 3-way	15326880	-	1
CPA	15317832	-	1
SLC (female)	15326879	-	1
SLC (male)	15326884	-	1
Receptacle Housing 4-way	15326885	-	1
Tab Housing 4-way	15326889	-	1
CPA	15317832	-	1
SLC (female)	15326888	-	1
SLC (male)	15326891	-	1
Receptacle Housing 5-way	15326892	-	1
Tab Housing 5-way	15326896	-	1
CPA	15317832	-	1
SLC (female)	15326895	-	1
SLC (male)	15326898	-	1
Receptacle Housing 6-way	15326899	-	1
Tab Housing 6-way	15326903	-	1
CPA	15317832	-	1
SLC (female)	15326902	-	1
SLC (male)	15326905	-	1

Component (pre-assembled parts)	Delphi PART-NO.*	Customer PART NO.	amount
Receptacle Hsg 2-way + SLC + CPA	15326871	-	1
Receptacle Hsg 3-way + SLC + CPA	15326878	-	1
Receptacle Hsg 4-way + SLC + CPA	15326887	-	1
Receptacle Hsg 5-way + SLC + CPA	15326894	-	1
Receptacle Hsg 6-way + SLC + CPA	15326901	-	1
Tab Hsg 2-way + SLC	15326874	-	1
Tab Hsg 3-way + SLC	15326881	-	1
Tab Hsg 4-way + SLC	15326890	-	1
Tab Hsg 5-way + SLC	15326897	-	1
Tab Hsg 6-way + SLC	15326904	-	1

***** - These Part-No.'s are for reference

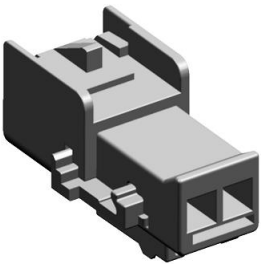
LIST OF COMPONENTS

Component (single parts)	Delphi PART-NO.*	Customer PART NO.	amount
Receptacle Housing 2-way	15326869	-	1
Tab Housing 2-way	15326873	-	1
SLC (female)	15326872	-	1
SLC (male)	15326875	-	1
Receptacle Housing 3-way	15326876	-	1
Tab Housing 3-way	15326880	-	1
SLC (female)	15326879	-	1
SLC (male)	15326884	-	1
Receptacle Housing 4-way	15326885	-	1
Tab Housing 4-way	15326889	-	1
SLC (female)	15326888	-	1
SLC (male)	15326891	-	1
Receptacle Housing 5-way	15326892	-	1
Tab Housing 5-way	15326896	-	1
SLC (female)	15326895	-	1
SLC (male)	15326898	-	1
Receptacle Housing 6-way	15326899	-	1
Tab Housing 6-way	15326903	-	1
SLC (female)	15326902	-	1
SLC (male)	15326905	-	1

Component (pre-assembled parts)	Delphi PART-NO.*	Customer PART NO.	amount
Receptacle Hsg 2-way + SLC	15326870	-	1
Receptacle Hsg 3-way + SLC	15326877	-	1
Receptacle Hsg 4-way + SLC	15326886	-	1
Receptacle Hsg 5-way + SLC	15326893	-	1
Receptacle Hsg 6-way + SLC	15326900	-	1
Tab Hsg 2-way + SLC	15326874	-	1
Tab Hsg 3-way + SLC	15326881	-	1
Tab Hsg 4-way + SLC	15326890	-	1
Tab Hsg 5-way + SLC	15326897	-	1
Tab Hsg 6-way + SLC	15326904	-	1

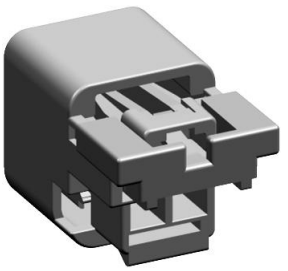
***** - These Part-No.'s are for reference

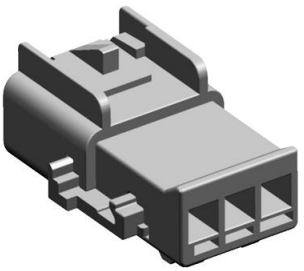
VIEW OF VERSIONS



Male 2-way
PN 15326874

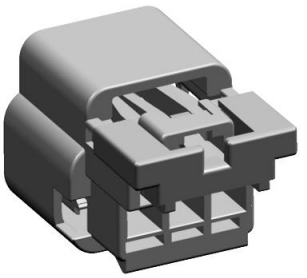
Female 2-way
PN 15326871

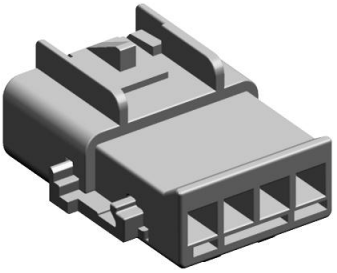




Male 3-way
PN 15326881

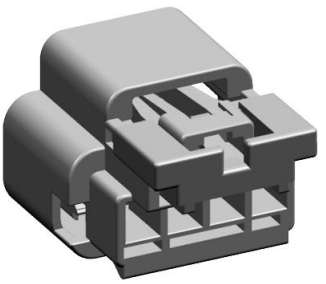
Female 3-way
PN 15326878

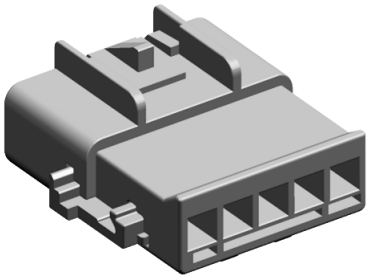




Male 4-way
PN 15326890

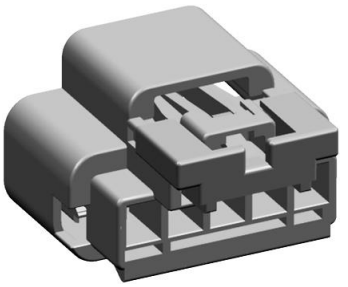
Female 4-way
PN 15326887

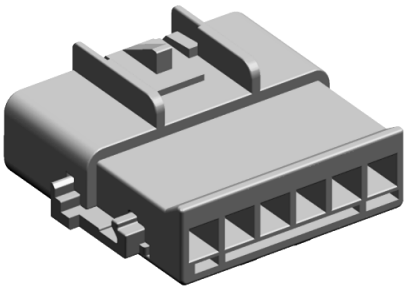




Male 5-way
PN 15326897

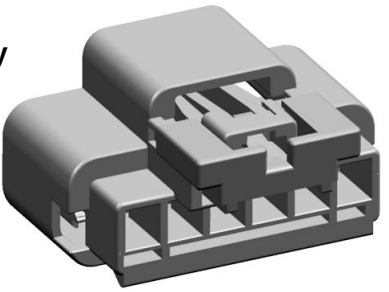
Female 5-way
PN 15326894





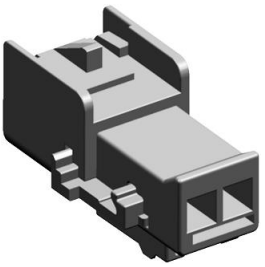
Male 6-way
PN 15326904

Female 6-way
PN 15326901



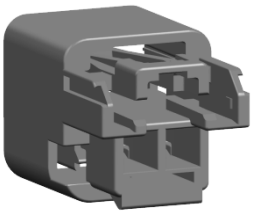
Pictures used in this Assembly Manual and original parts may differ in some details,
This difference has no influence on the assembly process .

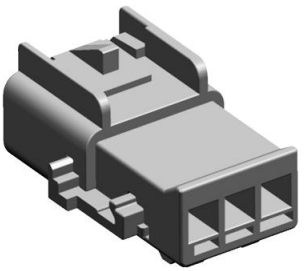
VIEW OF VERSIONS



Male 2-way
PN 15326874

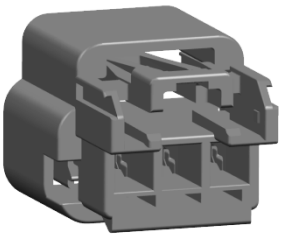
Female 2-way
PN 15326870

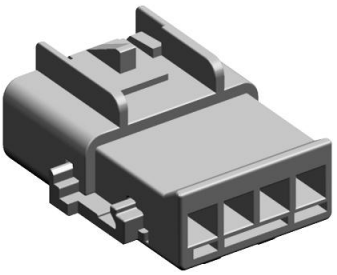




Male 3-way
PN 15326881

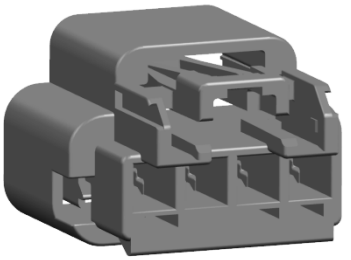
Female 3-way
PN 15326877

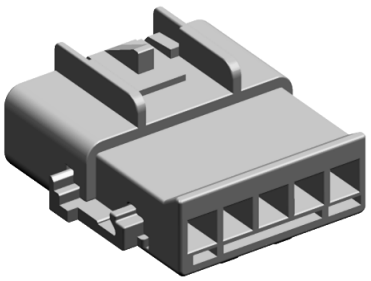




Male 4-way
PN 15326890

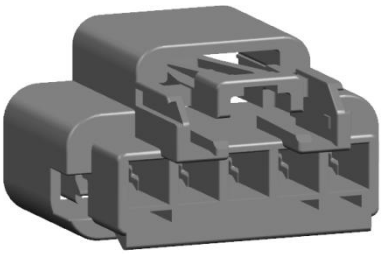
Female 4-way
PN 15326886

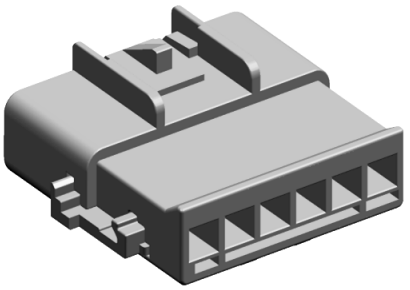




Male 5-way
PN 15326897

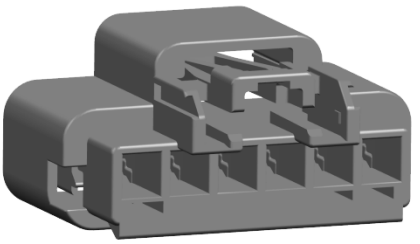
Female 5-way
PN 15326893





Male 6-way
PN 15326904

Female 6-way
PN 15326900



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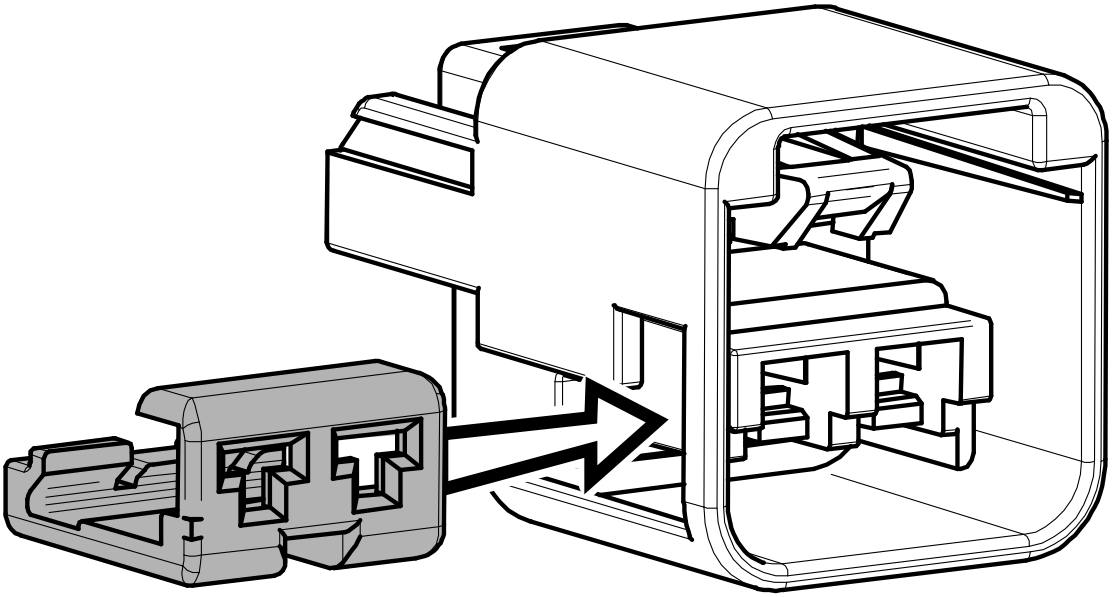
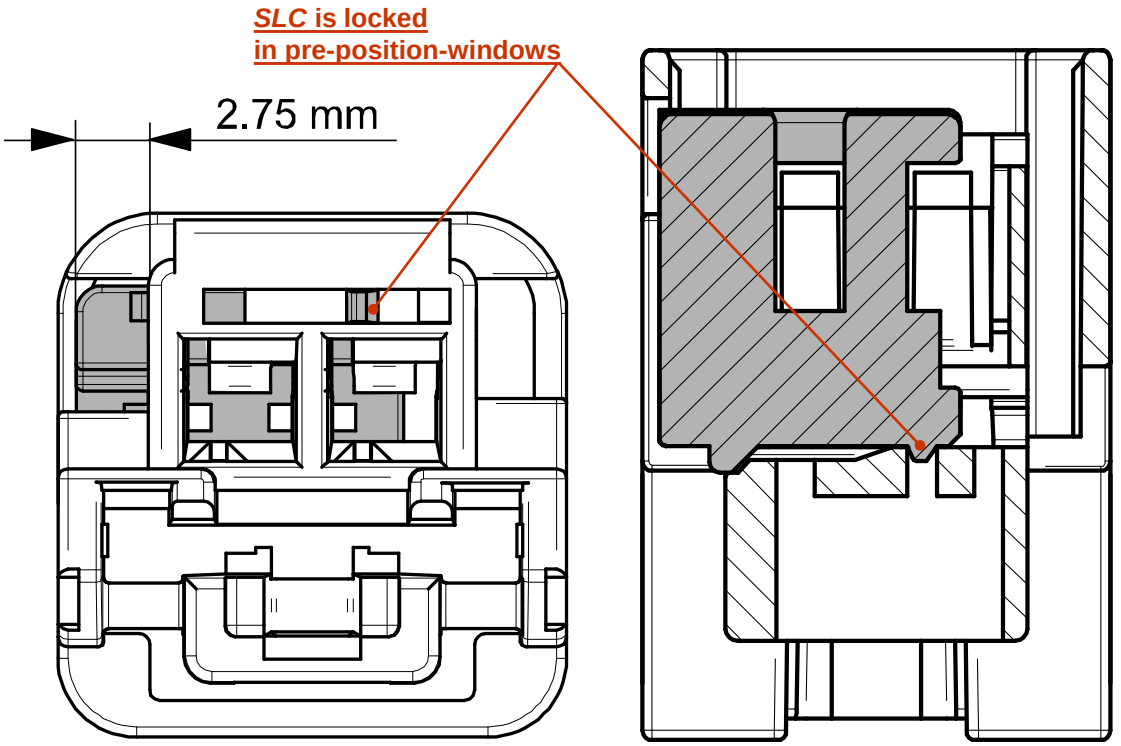
PRE ASSEMBLY

INSERTING SLC



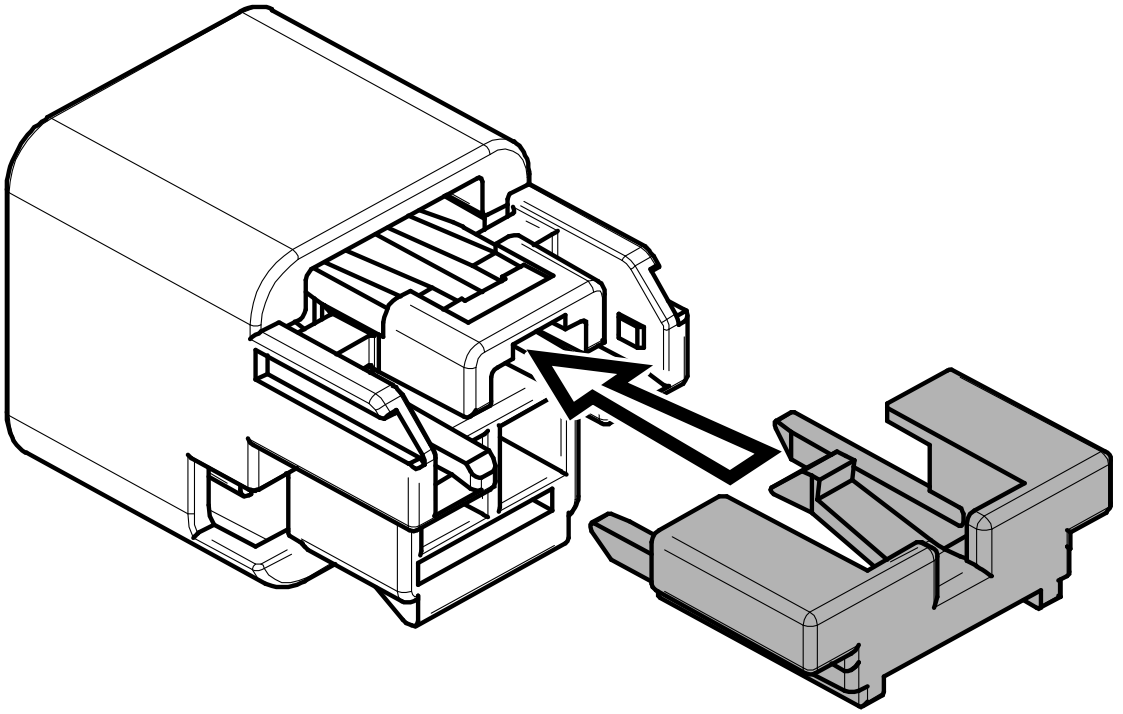
Step F-1: **Using assembly tool** (see tool examples on page 24) **insert *SLC* until it is correctly closed in pre-position-windows.**



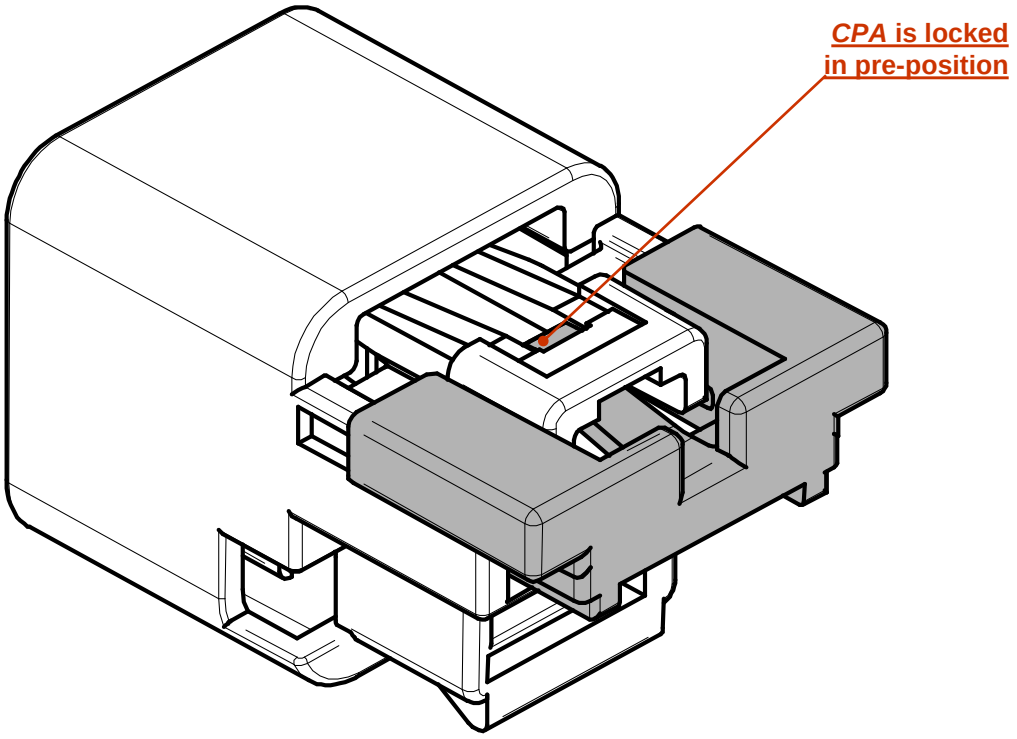
Step F-1 completed.

PRE ASSEMBLY

INSERTING CPA



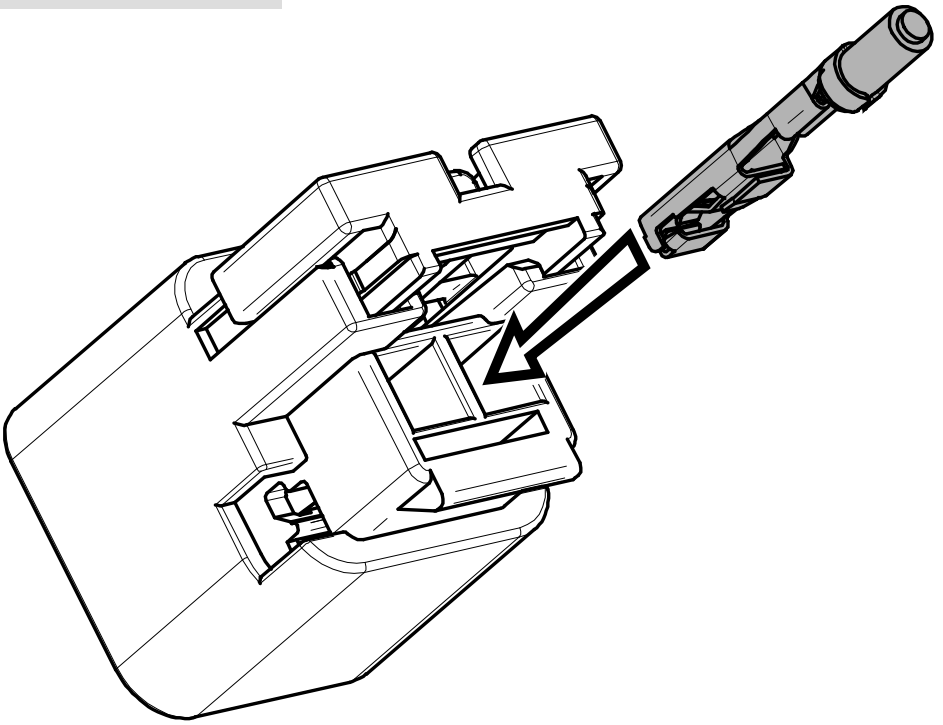
Step F-2: **Insert *CPA* until it is locked in pre-assembled position**



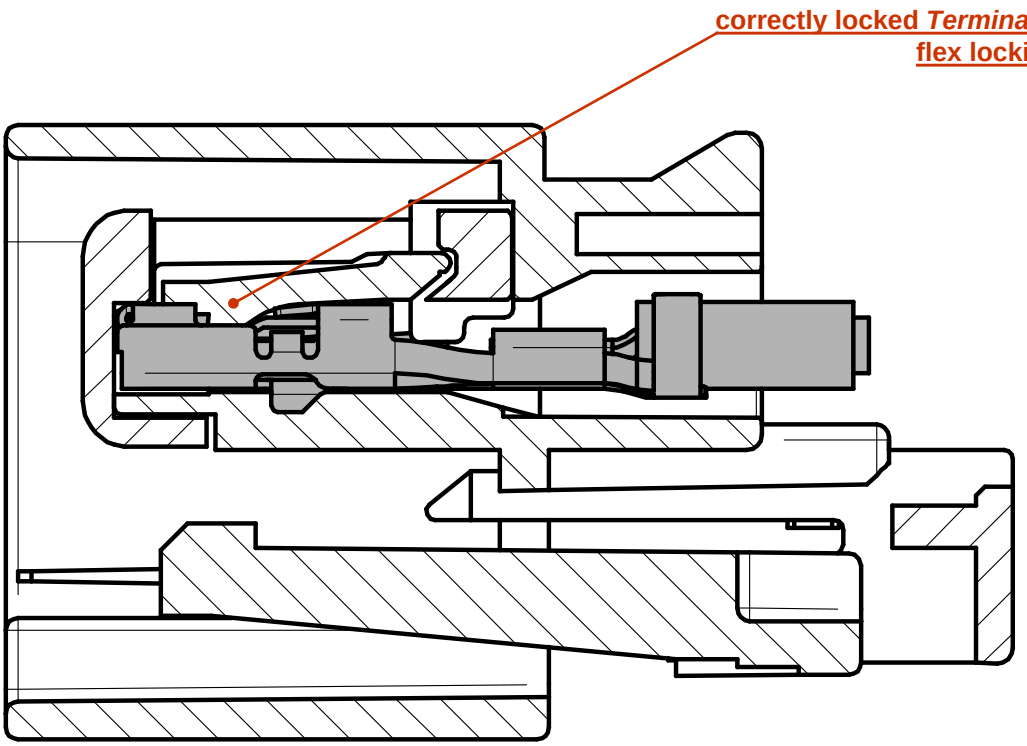
Step F-2 completed.

ASSEMBLY

INSERTING GT 280



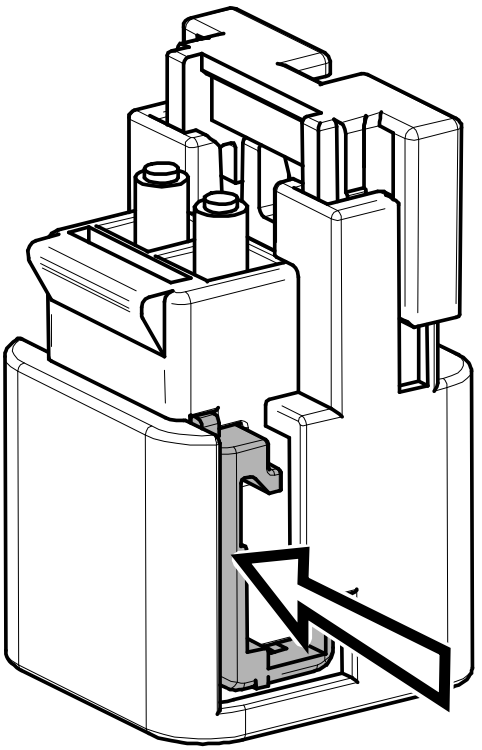
Step F-3: **Insert *GT 280 Female Terminals* into *Receptacle Housing 2-way* according to insertion plan. Proper orientation of *Terminal* required.**



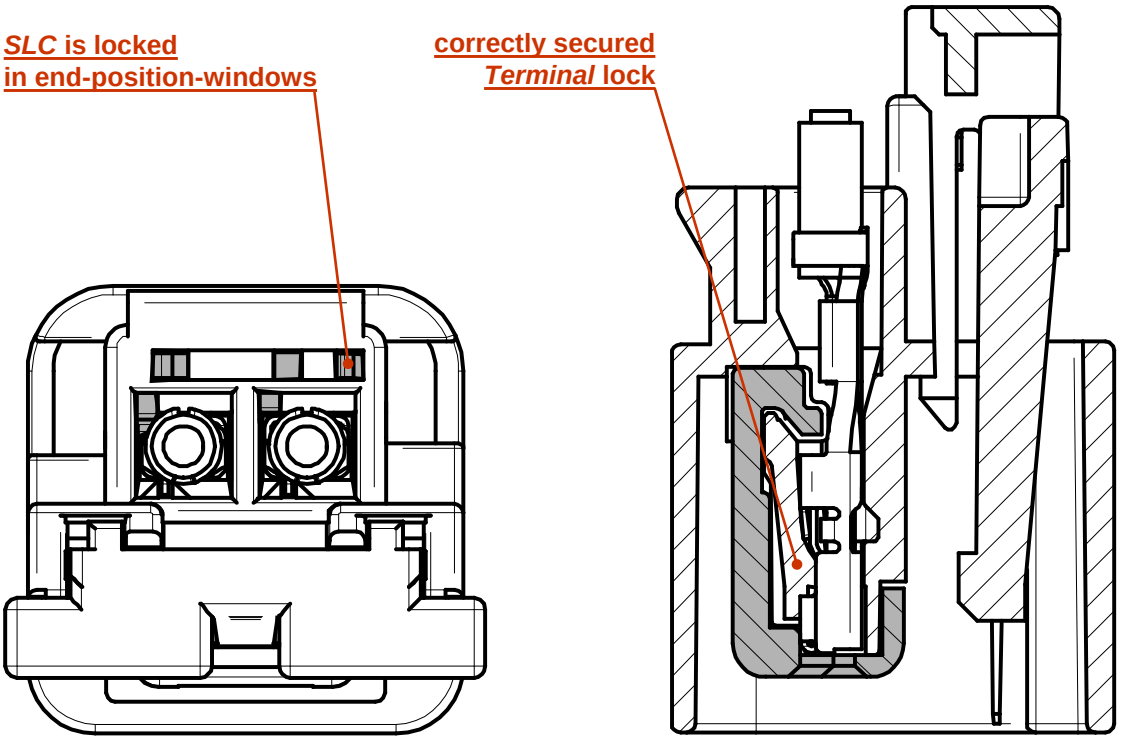
Step F-3 completed.

ASSEMBLY

PUSHING SLC

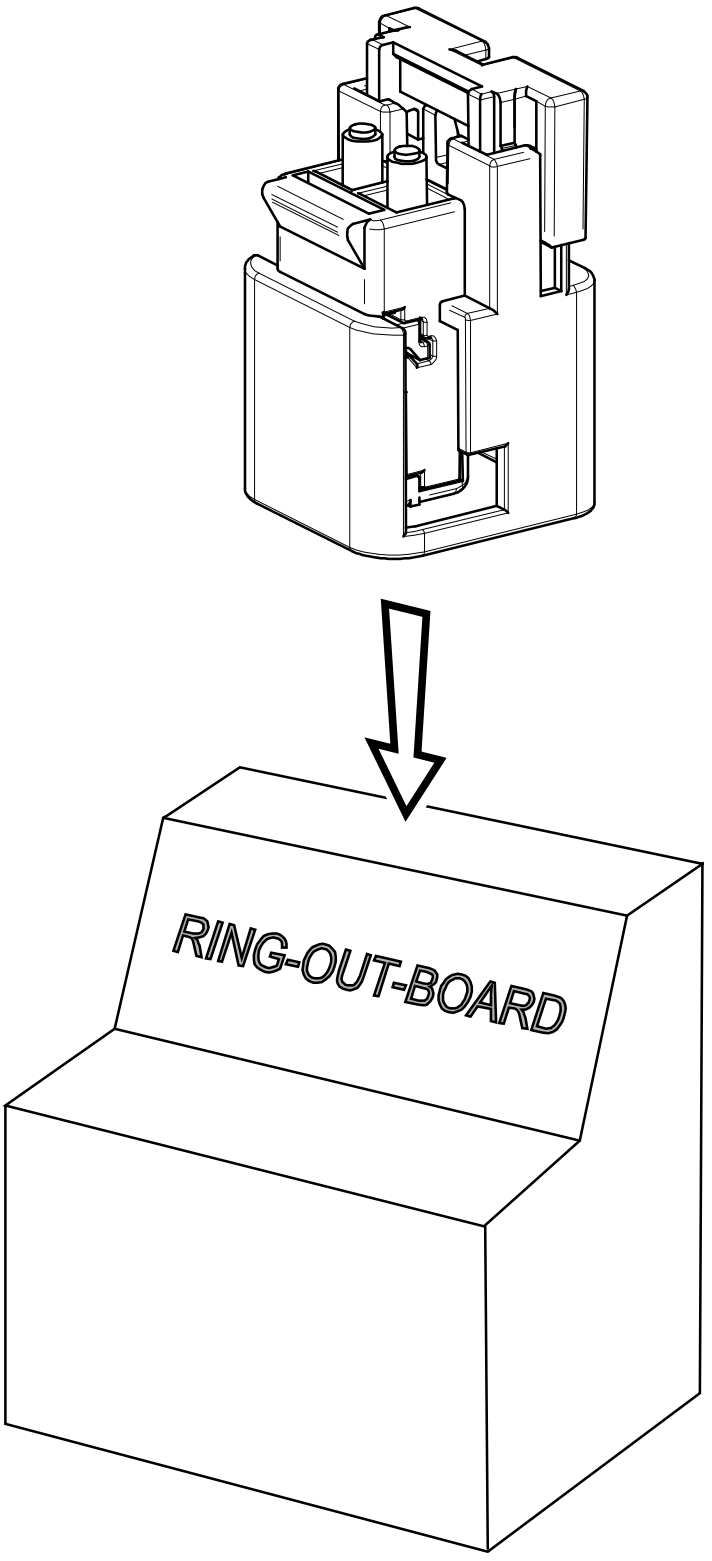


Step F-4: **Push the *SLC* to the end position.**



Step F-4 completed.

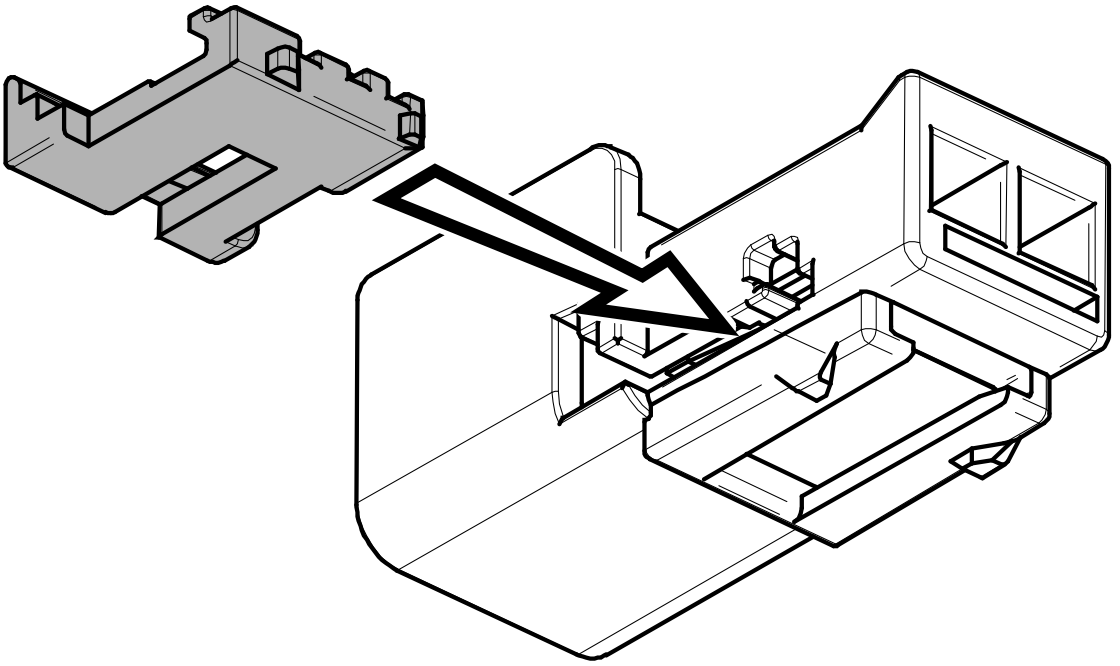
ELECTRICAL TEST



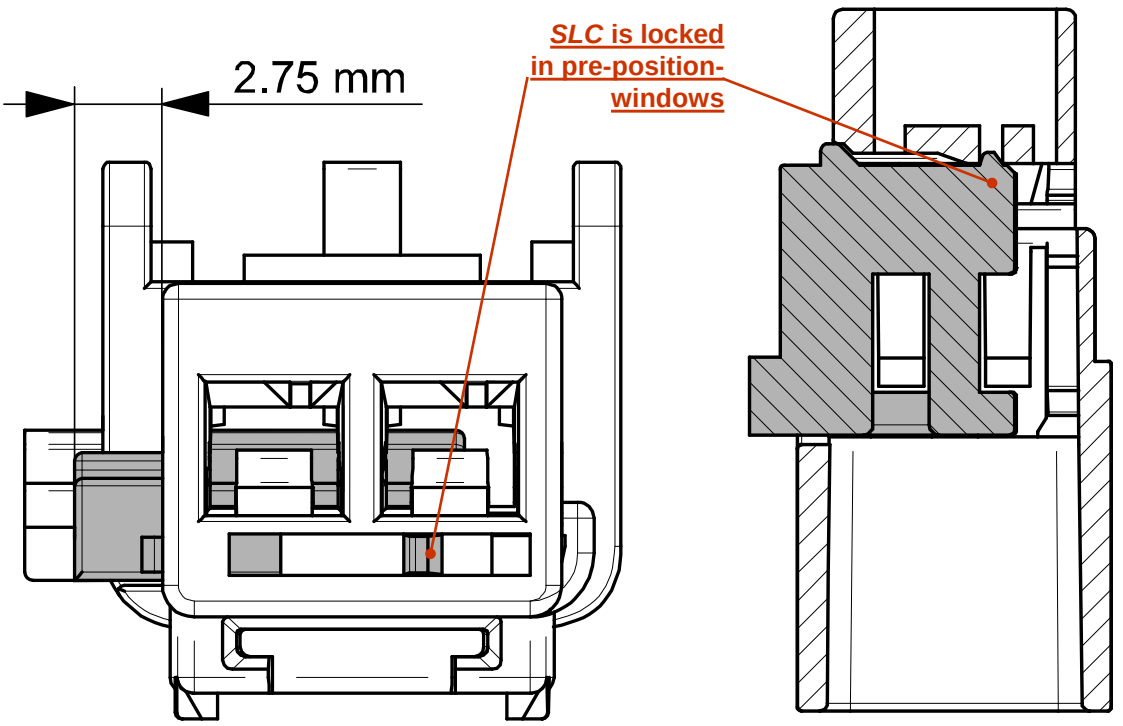
Step F-5 **Perform electrical test. Check assembly and dimensional correctness.**

PRE ASSEMBLY

INSERTING SLC



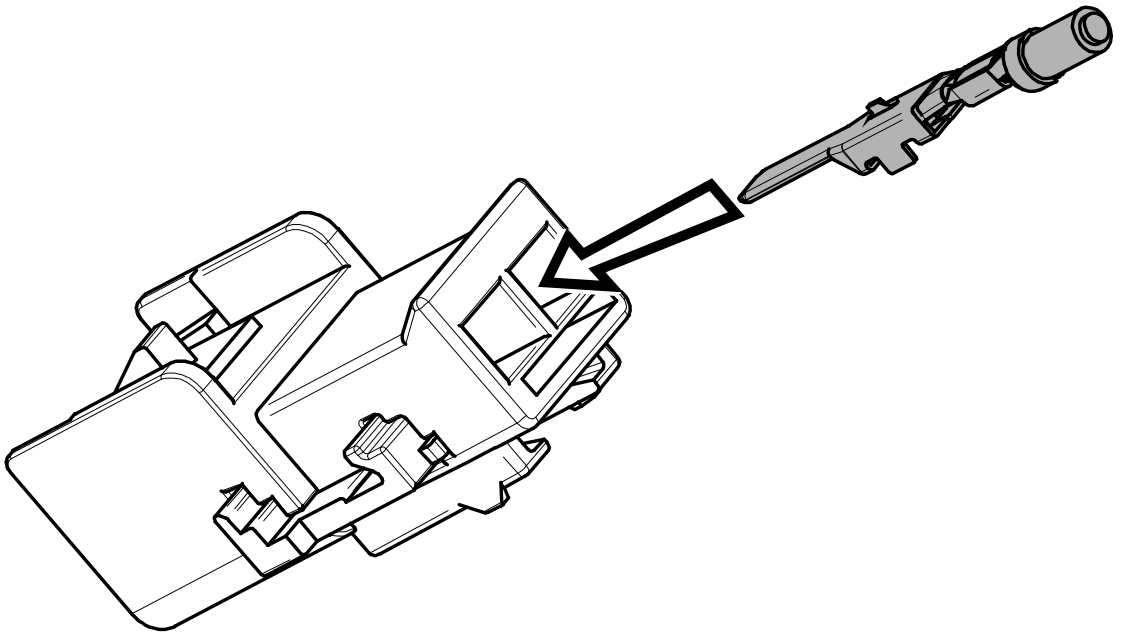
Step M-1: **Using assembly tool** (see tool examples on page 24) **insert *SLC* until it is correctly closed in pre-position-windows.**



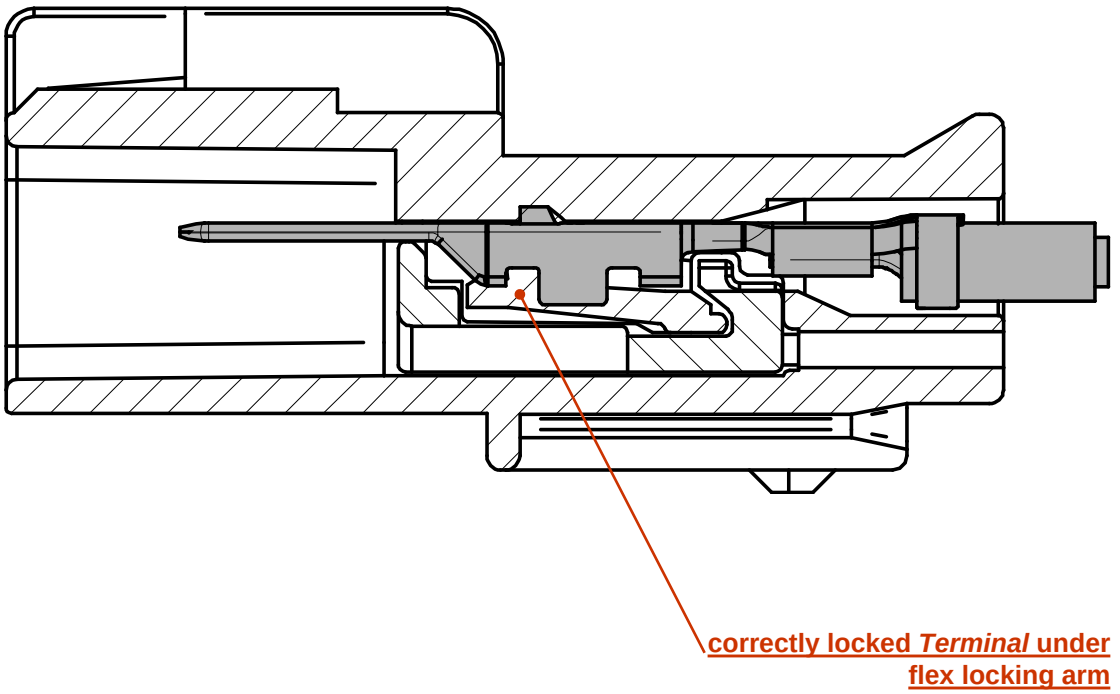
Step M-1 completed.

A S S E M B L Y

INSERTING GT 280



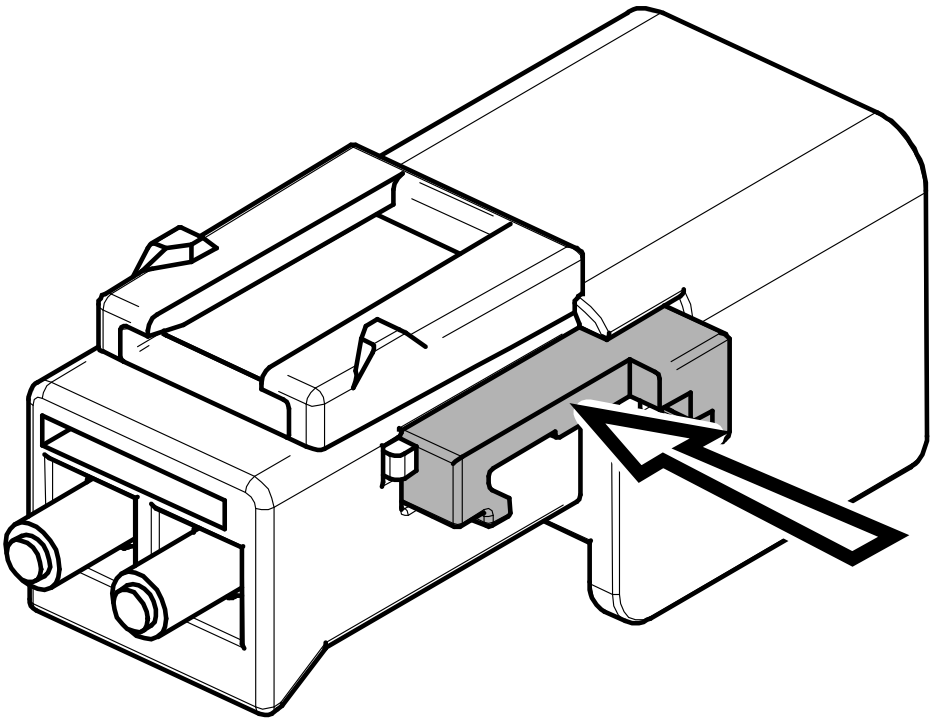
Step M-2: **Insert *GT 280 Male Terminals* into *Tab Housing 2-way* according to the insertion plan. Proper orientation of *Terminal* required.**



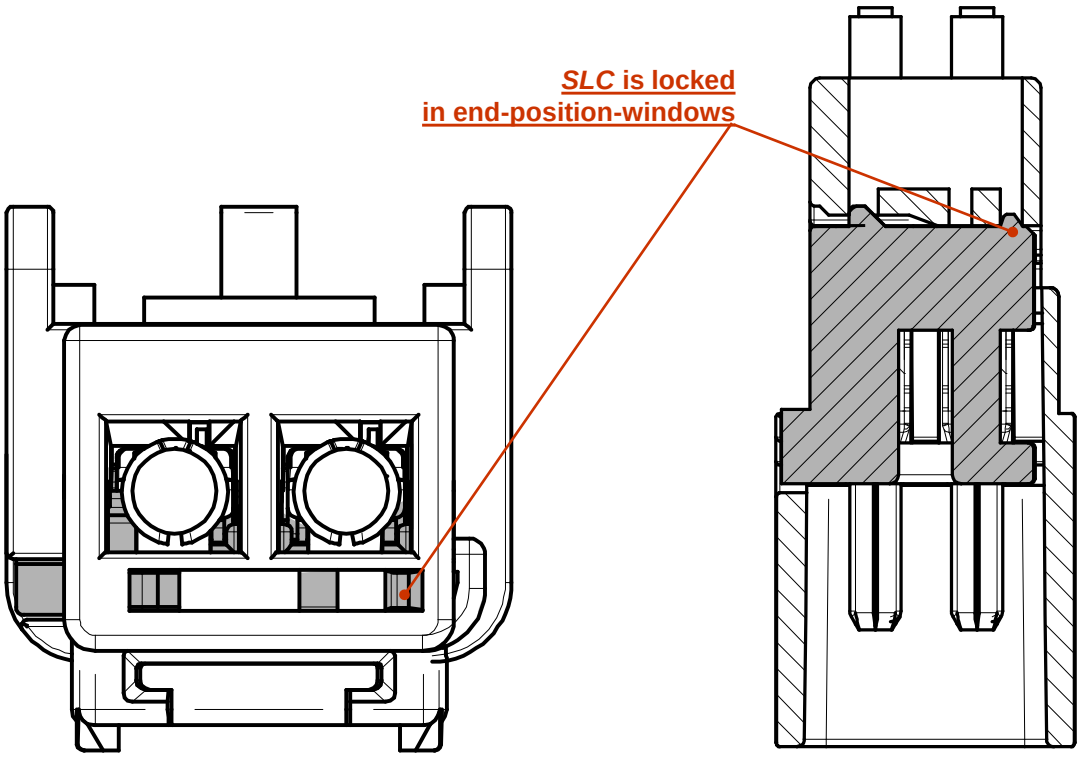
Step M-2 completed.

ASSEMBLY

PUSHING SLC

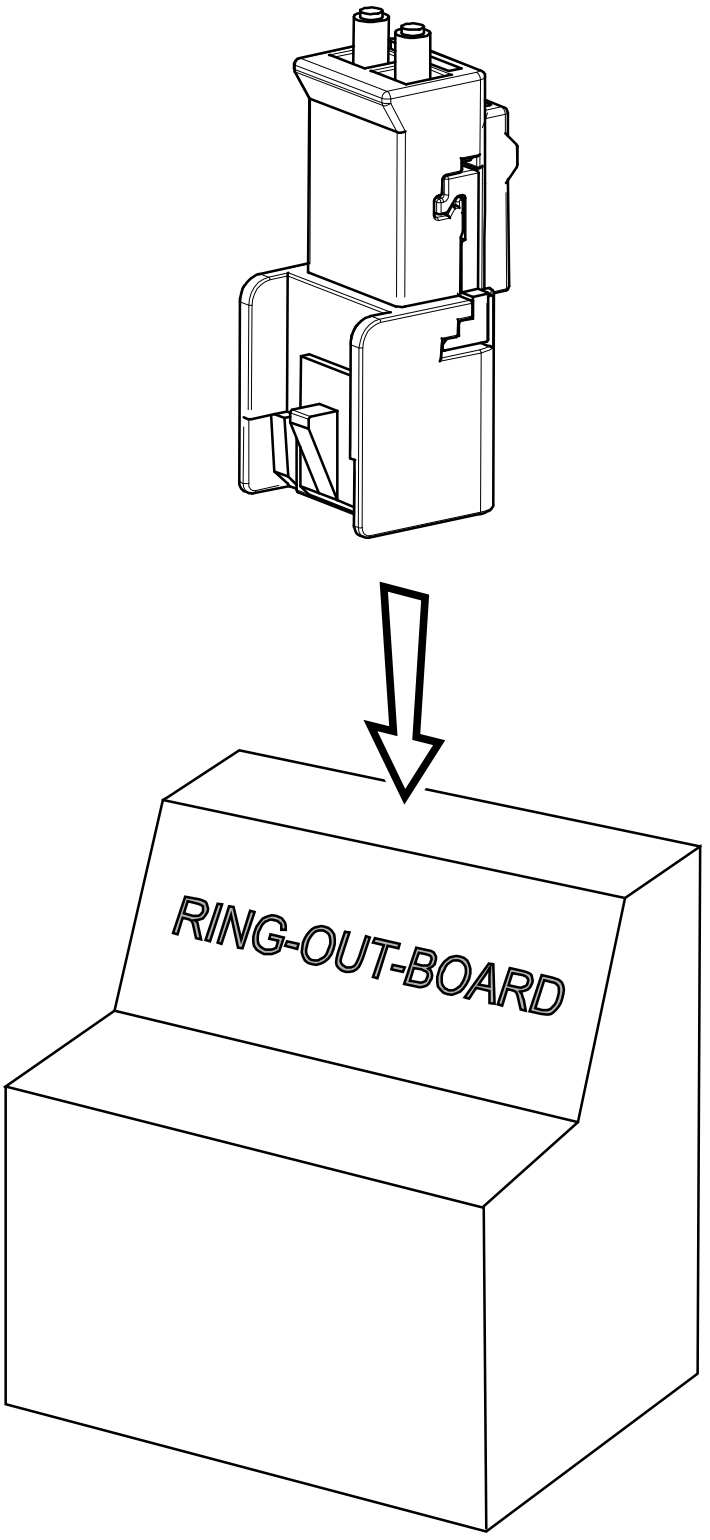


Step M-3: **Push the *SLC* to the end position.**



Step M-3 completed.

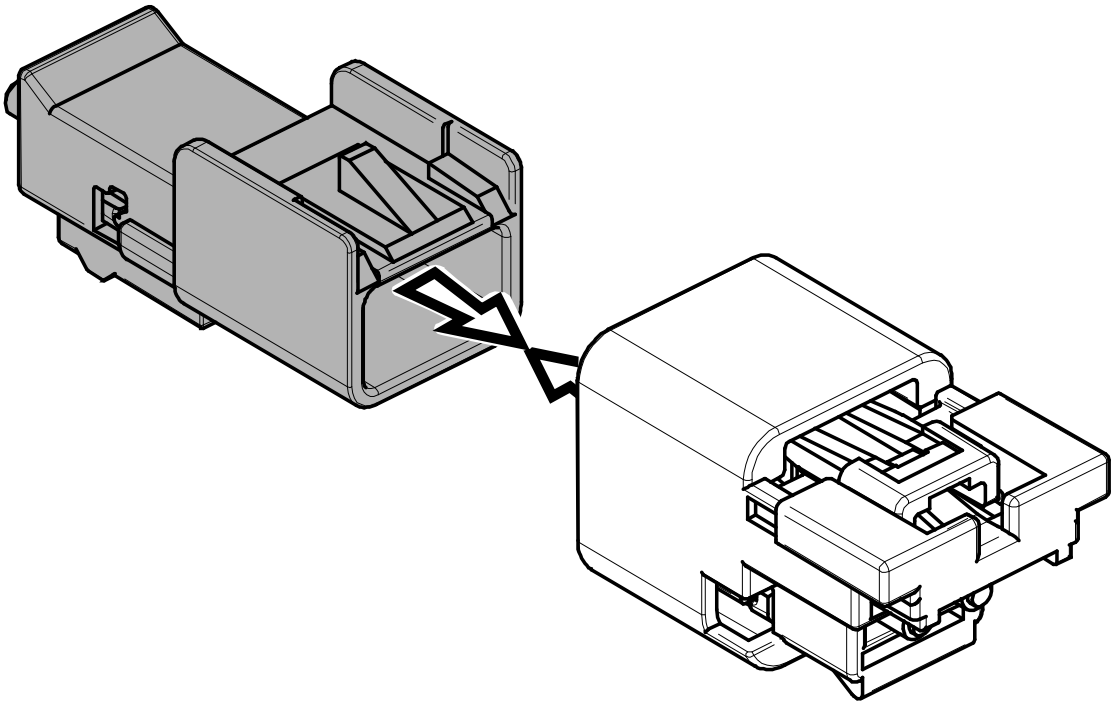
ELECTRICAL TEST



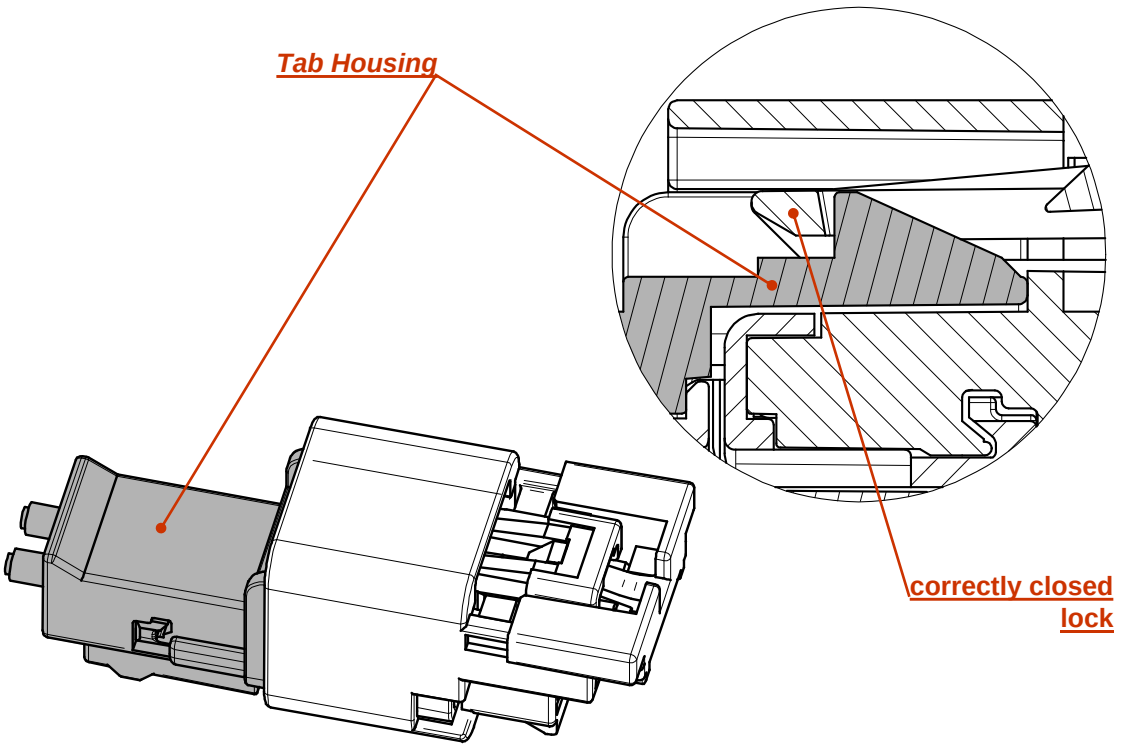
Step M-4 **Perform electrical test. Check assembly and dimensional correctness.**

VEHICLE ASSEMBLY

CONNECTING CONNECTORS



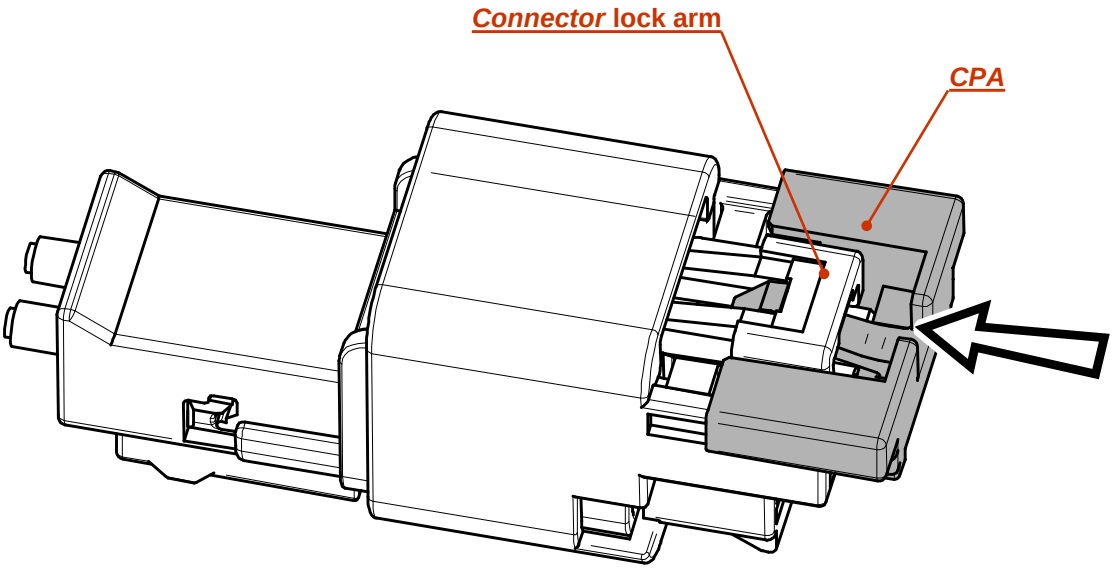
Step C-1: Connect ***Tab Housing 2-way*** with ***Receptacle Housing 2-way***.



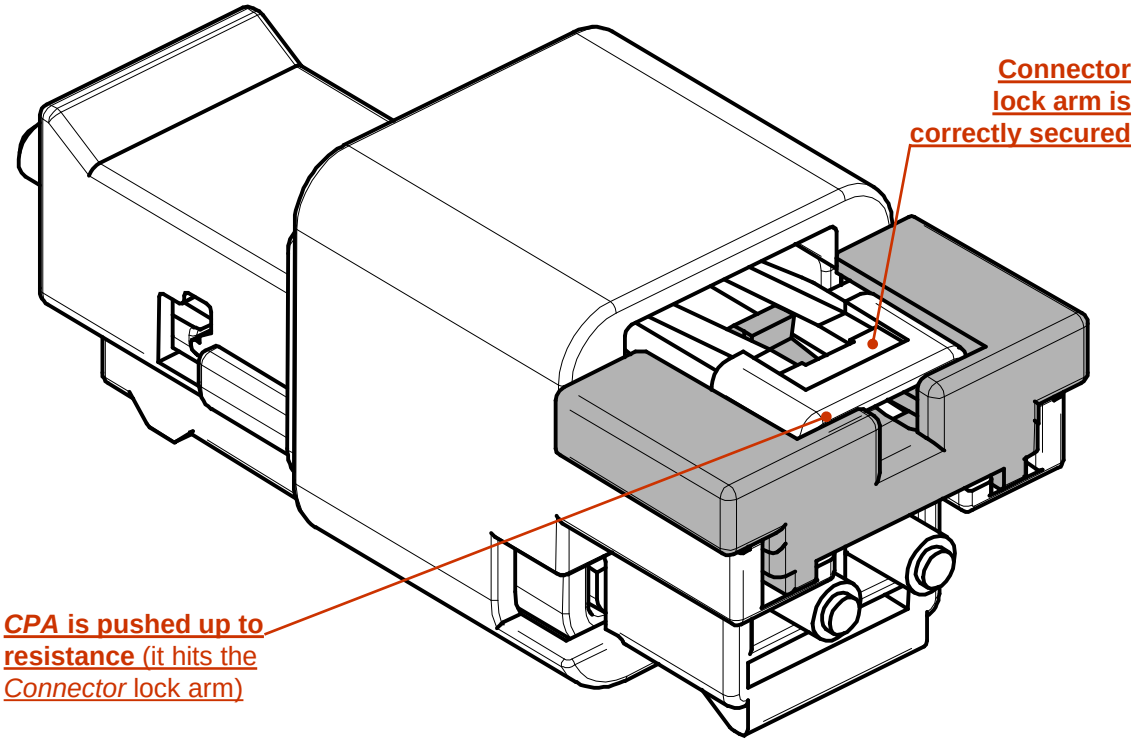
Step C-1 completed.

VEHICLE ASSEMBLY

LOCKING CPA



Step C-2: **Push the *CPA* to the end position.**



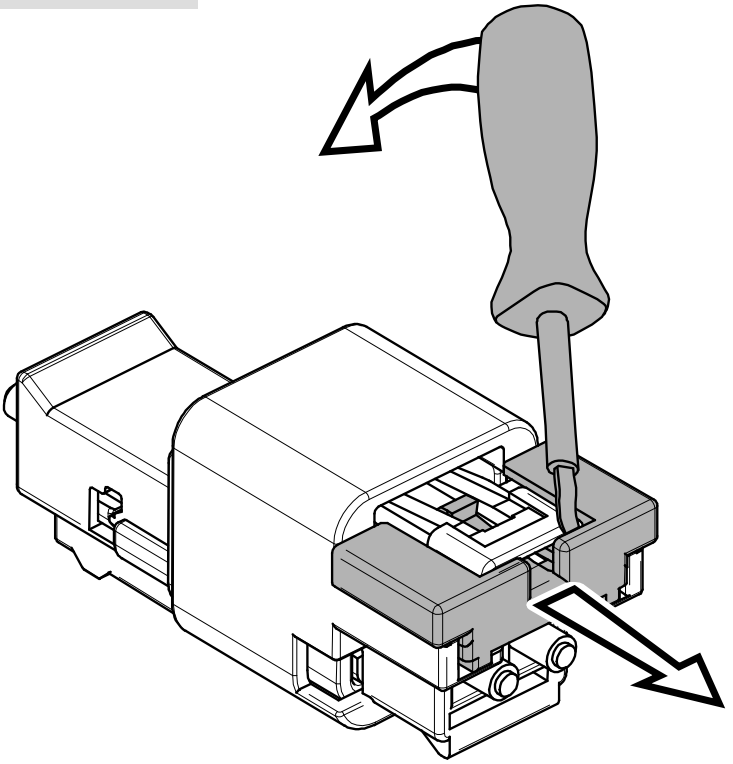
Step C-2 completed.

THE END OF ASSEMBLY / CONNECTING SEQUNCE

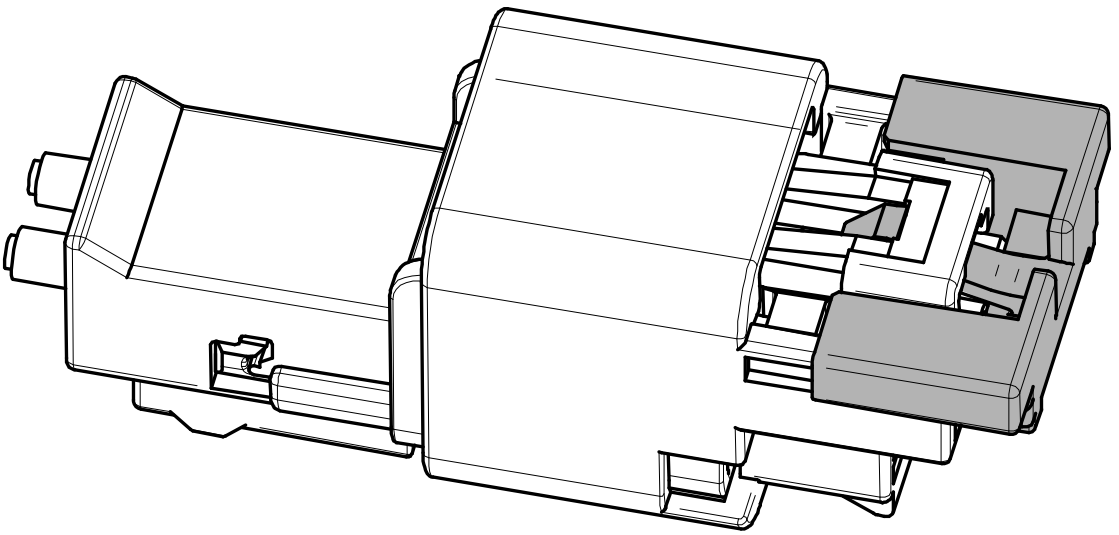
Disassembly

Sequence

UNLOCKING CPA

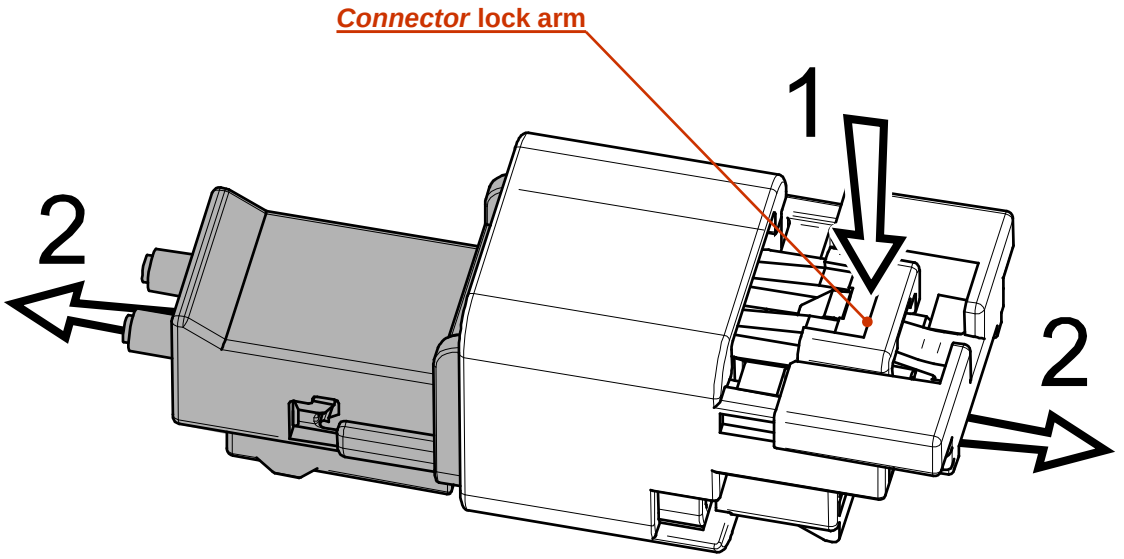


Step D-1: **Move the *CPA* to its pre-assembled position using removal tool 10804886.**

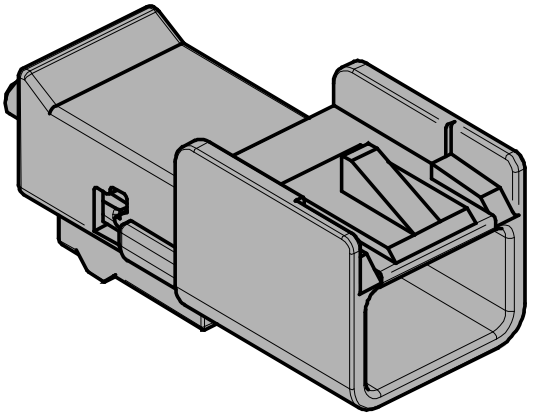


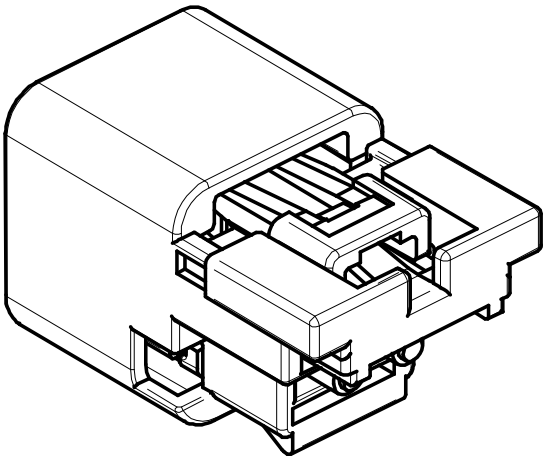
Step D-1 completed.

DISCONNECTING CONNECTORS



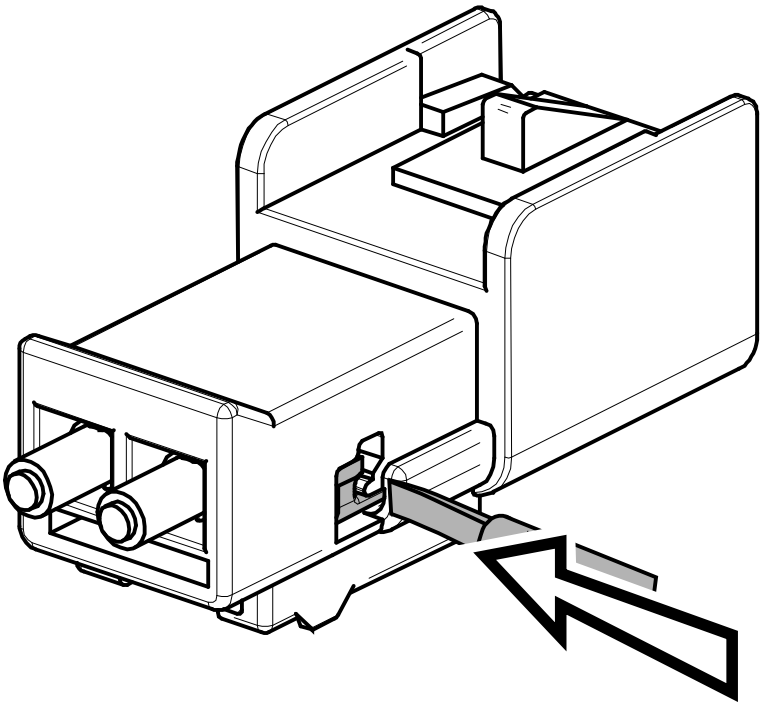
Step D-2: **Push (arrow 1) locking hinge and still pushing disconnect (arrow 2) *Male* and *Female Connector.***



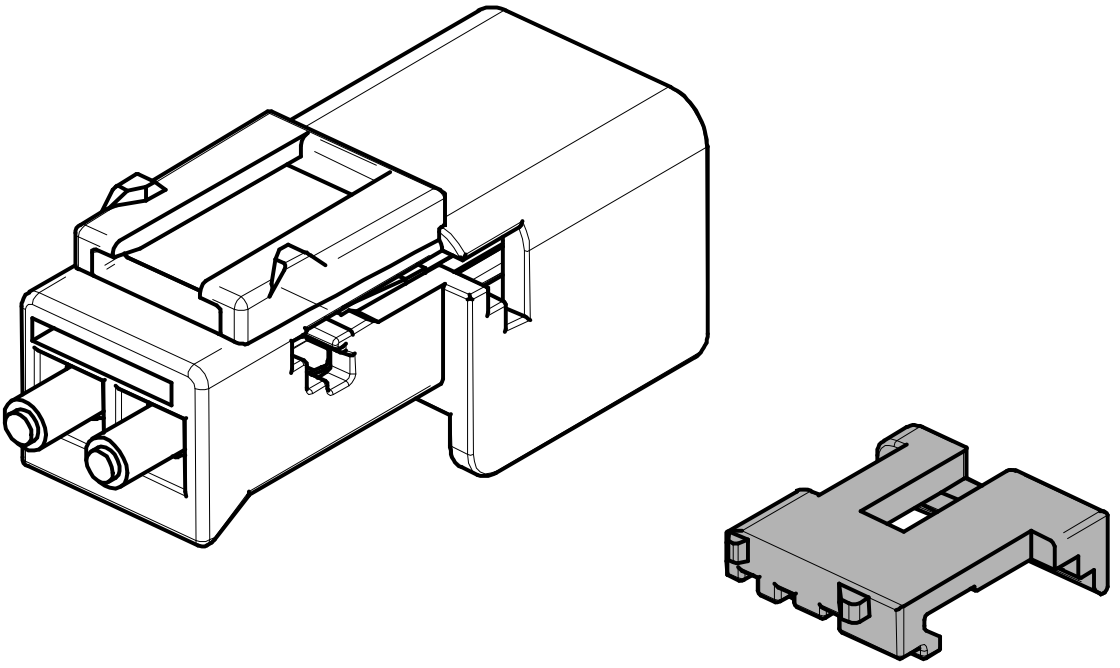


Step D-2 completed.

REMOVING SLC

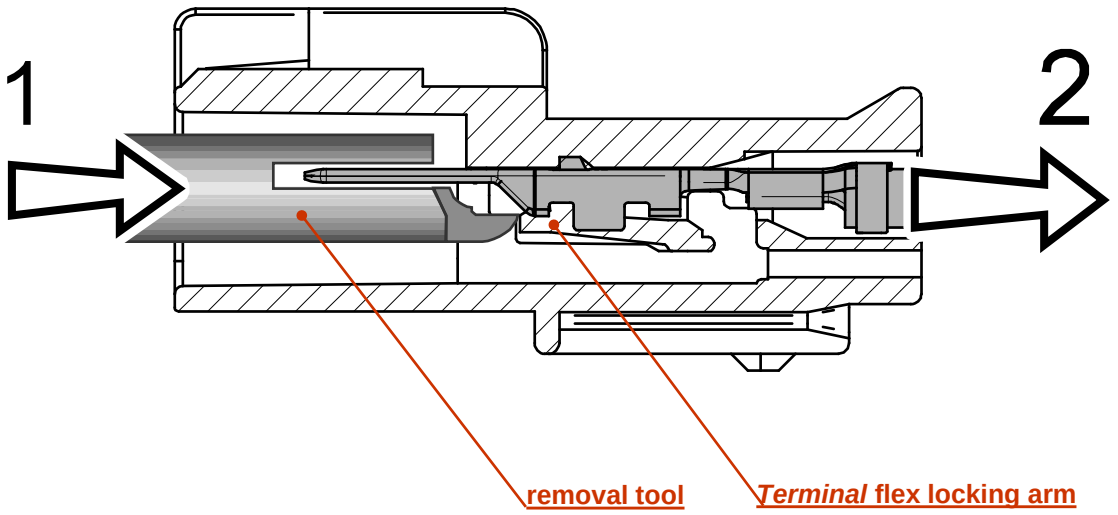


Step D-3: **Remove the *SLC* completely using removal tool 10804886.**

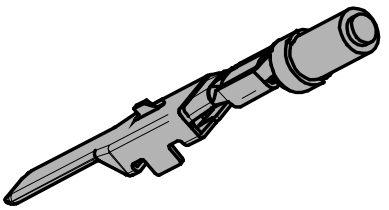


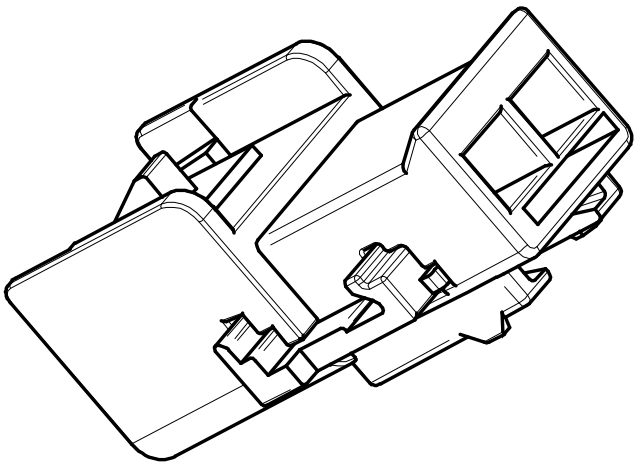
Step D-3 completed.

REMOVING GT 280



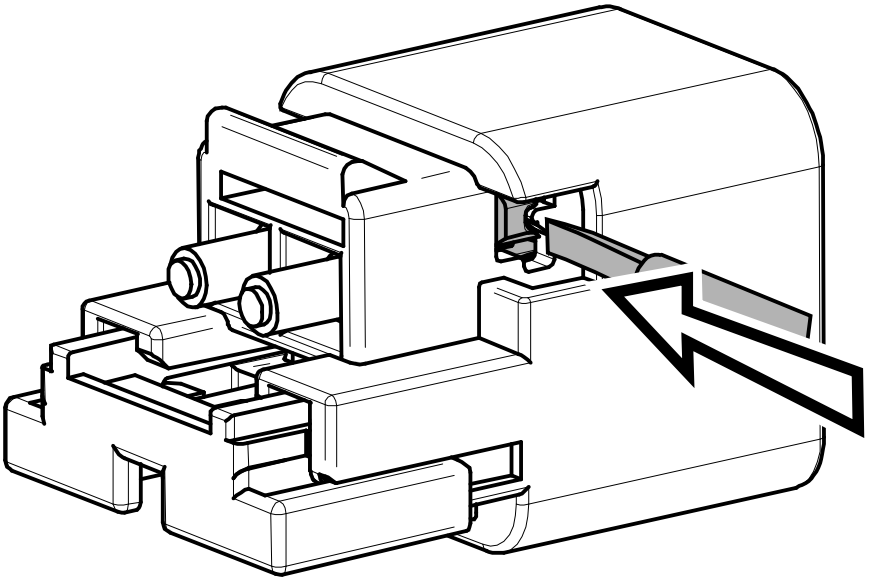
Step D-4: Locate locking arm at the front of the cavity. **Insert (operation 1) the tool NO. 10714738** straight into the channel of cavity, deflect the locking arm to unseat the *Terminal* and gently pull on the cable to **remove (operation 2)** ***GT 280 Male Terminal*** **from the** ***Tab Housing 2-way.***



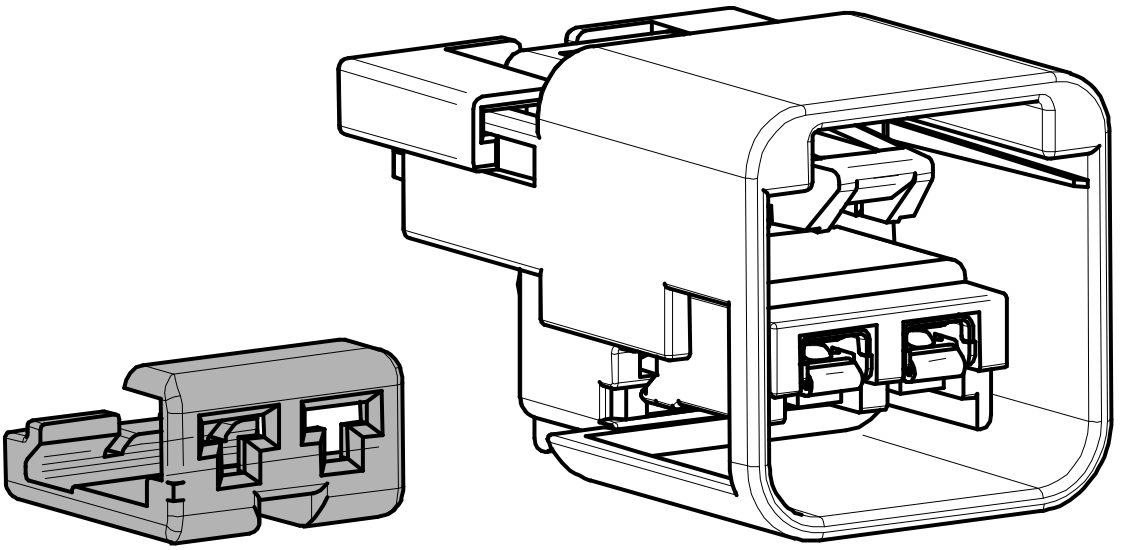


Step D-4 completed.

REMOVING SLC

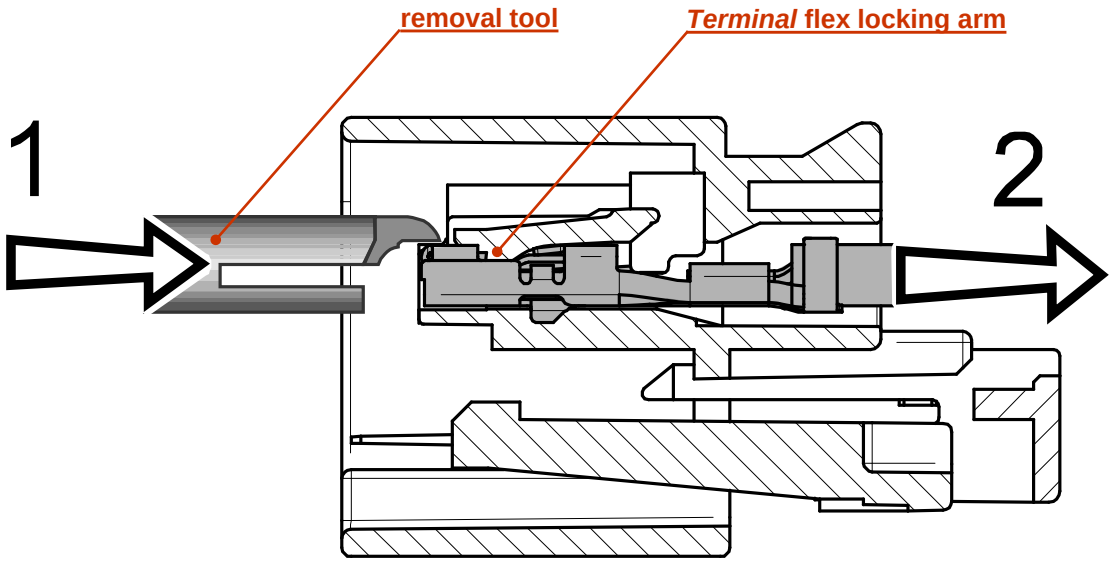


Step D-5: **Remove the *SLC* completely using removal tool 10804886.**

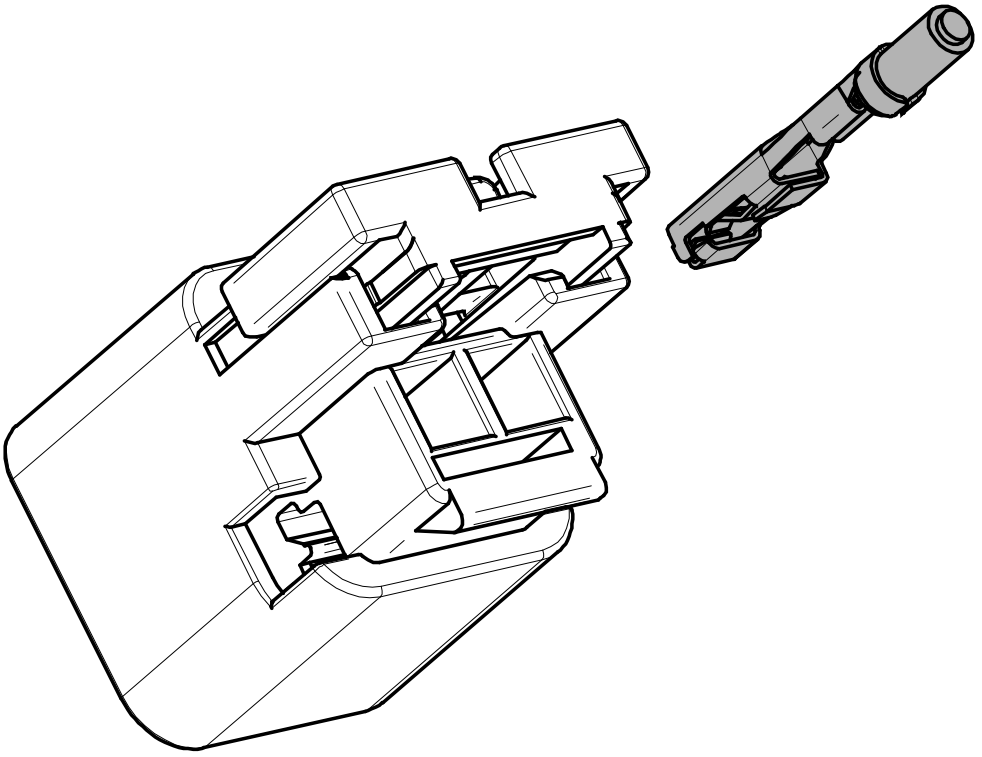


Step D-5 completed.

REMOVING GT 280



Step D-6: Locate locking arm at the front of the cavity. **Insert (operation 1) the tool NO. 10714738** straight into the channel of cavity, deflect the locking arm to unseat the *Terminal* and gently pull on the cable to **remove (operation 2)** ***GT 280 Female Terminal*** **from the** ***Receptacle Housing 2-way.***



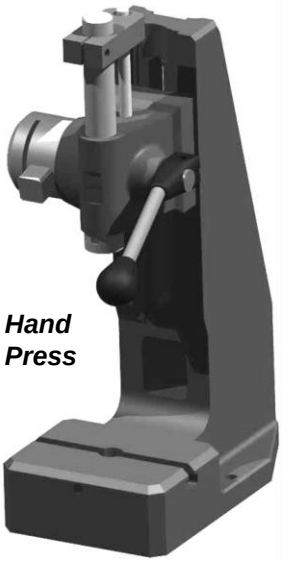
Step D-6 completed.

THE END OF ASSEMBLY / DISASSEMBLY INSTRUCTIONS

TABLE OF TOOLS

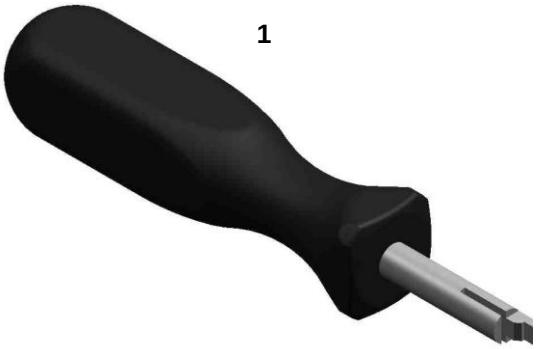
EXAMPLES OF ASSEMBLY TOOLS

Example assembly tool for ***SLC*** pre-assembly in ***2-way Connector GT 280*** (unsealed)



Hand Press

HELP TOOLS



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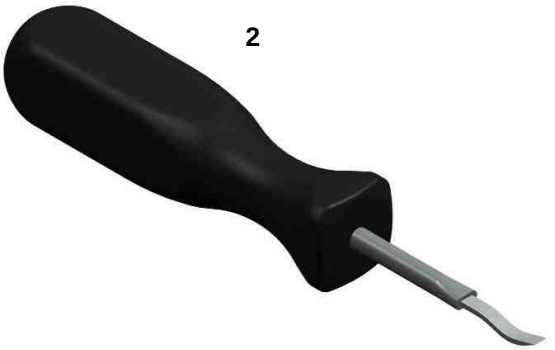

2

Item	Function	Tool PN.
1	Removal tool for ***GT 280 Male*** and ***Female Terminals***	**10714738**
2	Removal tool for ***CPA*** removal	**10804886**
3	Alternative removal tool for ***GT 280 Male*** and ***Female Terminals***	**12094429**

REVISIONS

Revision	Change description	Date
REV 01	Initial release	**Feb 3, 2004**
REV 02	New removal tools for PLR, TPA and CPA applied	**Sep 5, 2005**
REV 03	E-catalog version created	**Jan 20, 2012**
REV 04	Added PNs for version without CPA.	**May 15, 2013**

DEV: TCK KR PL