

10 POS. HYBRID CONNECTOR

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1 GENERAL

1.1 PURPOSE

THIS SPECIFICATION DESCRIBES HOW TO HANDLE THE 10 POS. CONNECTOR COMPONENTS.

1.2 CUSTOMER DRAWINGS

THIS APPLICATION SPECIFICATION IS BASED ON THE LATEST VALID CUSTOMER DRAWING.

- C_2141999 ASSY FEMALE 10 POS. CONNECTOR
- C_2141994 ASSY MALE 10 POS. CONNECTOR

INTERFACE SPECIFICATION :

114-94188 **10 POS. CONNECTOR**

1.3 DELIVERY CONDITION

1.3.1 10 POS. FEMALE CONNECTOR AND SPACER

ASSY 10 POS. FEMALE CONNECTOR	2141999 – KEYING A COLOUR: BLACK	
	2177000 – KEYING B COLOUR: GREY	
	2177612 – KEYING C COLOUR: BLUE	
	2177613 – KEYING D COLOUR: GREEN	

1.3.2 10 POS. MALE CONNECTOR AND SPACER

ASSY 10 POS. MALE CONNECTOR	2141994 – KEYING A COLOUR: BLACK	
	2141995 – KEYING B COLOUR: GREY	
	2177614 – KEYING C COLOUR: BLUE	
	2177615 – KEYING D COLOUR: GREEN	



1.3.3 TERMINALS FOR 10 POS. FEMALE CONNECTOR

GENERATION Y 0.64mm TERMINAL	TE-PN: 0-1456574-5 0-1456574-1 0-1456574-2	Con March
APEX 2.8mm TERMINAL	FORD-PN: XF-2T-14474-CA F8VB-14474-AA F8VB-14474-AA XF-2T-14474-BA	

1.3.4 TERMINALS FOR 10 POS. MALE CONNECTOR

GENERATION Y 0.64mm TERMINAL	TE-PN: 0-1924275-5 0-1924275-1 0-1924275-2	and the second
APEX 2.8mm TERMINAL	FORD-PN: 8U5T-14421-CA 8U5T-14421-DA 8U5T-14421-EA 8U5T-14421-BA	



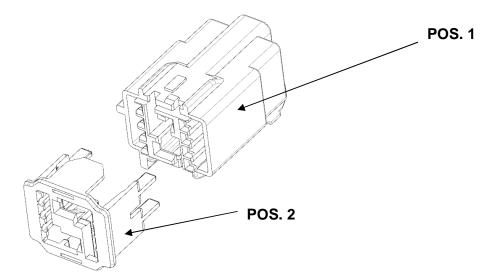
2 CONNECTOR OVERVIEW

2.1 **OVERVIEW**

ASSY FEMALE 10 POS. CONNECTOR

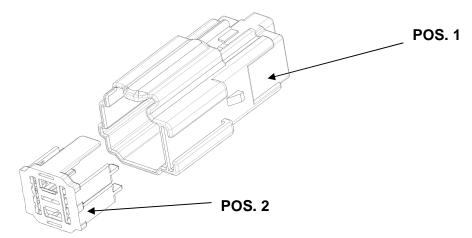
POS 1: FEMALE HOUSING

POS 2: FEMALE SPACER



ASSY MALE 10 POS. CONNECTOR

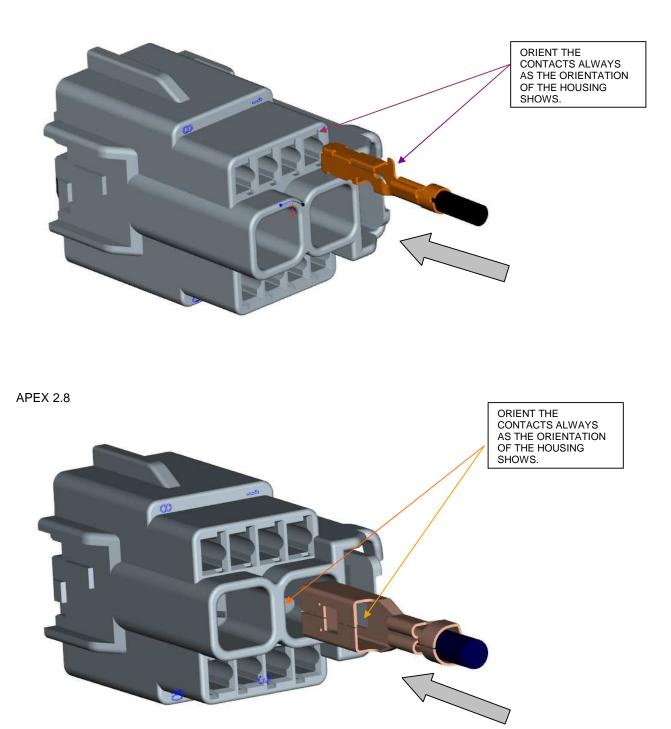
POS 1: MALE HOUSING POS 2: MALE SPACER





2.2 TERMINAL INSERTION INSTRUCTIONS FOR FEMALE TERMINALS

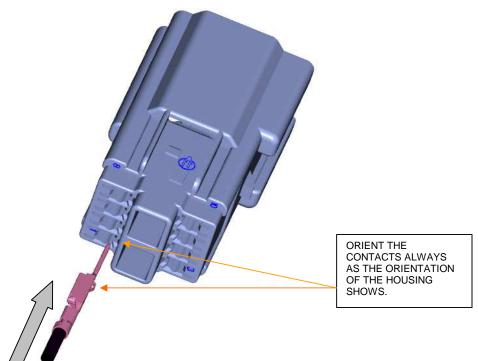
GENERATION Y 0.64



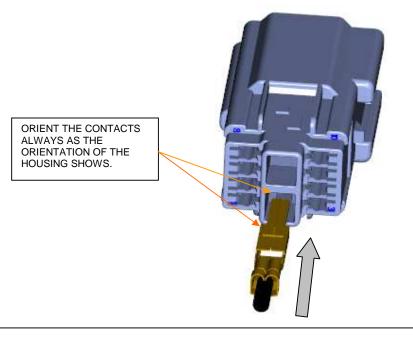


TERMINAL INSERTION / REMOVAL INSTRUCTIONS FOR MALE TERMINALS

GENERATION Y 0.64



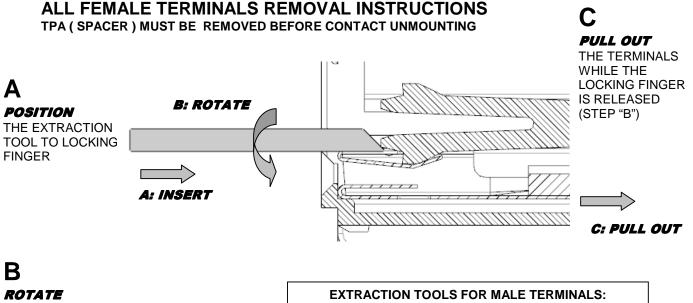
APEX 2.8



PUSH ALL TERMINALS INTO THE CONNECTOR UNTIL THE LOCKING IS FELT OR HEARD BY AN AUDIABLE CLICK



114-94140



EXTRACTION TOOL TO RELEASE THE LOCKING FINGER EXTRACTION TOOLS FOR MALE TERMINALS: GENERATION Y 0.64 - TE-NO. 1452426-1 APEX 2.8 - TE-NO. 1452426-1

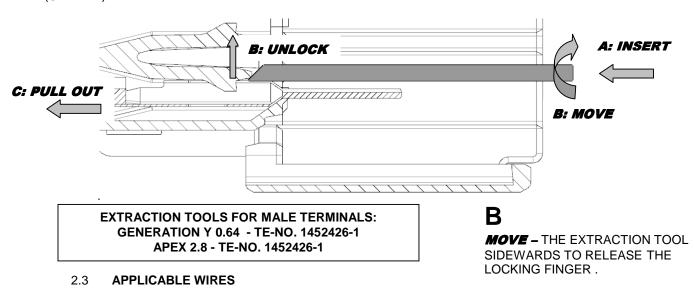
ALL MALE TERMINALS REMOVAL INSTRUCTIONS TPA (SPACER) MUST BE REMOVED BEFORE CONTACT UNMOUNTING

C PULL OUT

THE TERMINALS WHILE THE LOCKING FINGER IS RELEASED (STEP "B")

Α

POSITION- THE EXTRACTION TOOL TO LOCKING FINGER AS SHOWN .

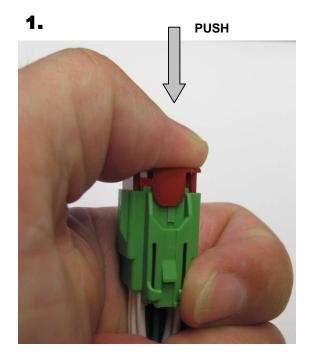


PLEASE ALSO SEE THE CUSTOMER DRAWINGS



2.4 TPA - (SPACER) INSERTION / REMOVAL INSTRUCTION

FEMALE HOUSING



DELIVERY CONDITION OF THE FEMALE CONNECTOR WITH THE FRONT LOADED TPA (SPACER) IN PRESET POSITION. THE FRONT LOADED TPA (SPACER) IS ELEVATED.

DO NOT PUSH THE SPACER FURTHER THAN THIS POSITION BEFORE CONTACT MOUNTING



AFTER CONTACT MOUNTING, THE SPACER SHOULD BE PUSHED IN END POSITION. THE FRONT LOADED TPA (SPACER) IS FULLY INSERTED.

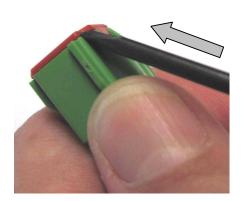


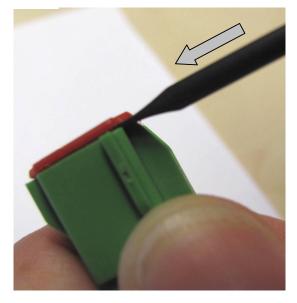
REMOVAL OF THE SPACER FROM FEMALE HOUSING

INSERT THE SCREW DRIVER OR THE EXTRACTION TOOL 1452426-1 AS SHOWN TO UNLOCK / LIFT THE SPACER

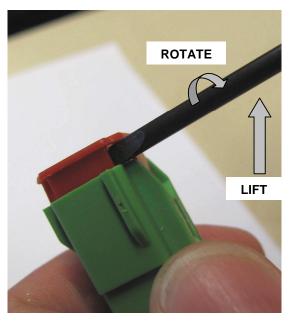
1.

2.





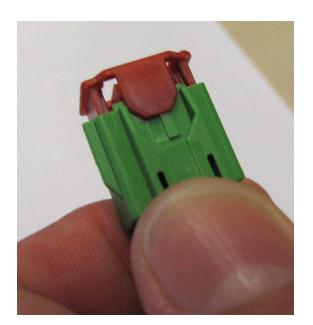
3.



ROTATE THE TOOL BY 90 DEGREE AND THAN LIFT THE TPA (SPACER) IN PRESET POSITION







PICTURE SHOWS THE TPA (SPACER) IN PRE-LOCK POSITION

REMOVE THE SECONDARY LOCK BY USING THE EXTRACTION TOOL 1452426-1 OR A SMALL SCREWDRIVER.

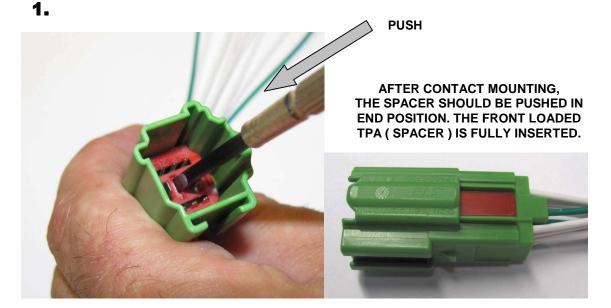
MALE HOUSING



DELIVERY CONDITION OF THE FEMALE CONNECTOR WITH THE FRONT LOADED TPA (SPACER) IN PRESET POSITION. THE FRONT LOADED TPA (SPACER) IS ELEVATED.

DO NOT PUSH THE SPACER FURTHER THAN THIS POSITION BEFORE CONTACT MOUNTING



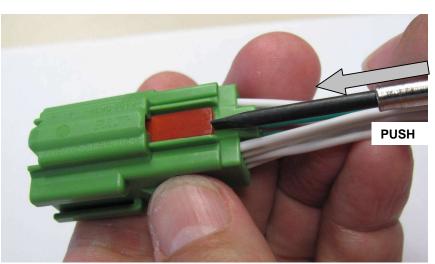


PLEASE DO NOT DEMAGE THE TABS DURING SPACER INSERTION TO END-LOCK POSITION. RECOMANDATION: TOOL WITH NO SHARP EDGES !

FOR REMOVING THE TERMINALS THE SECONDARY LOCKS HAVE TO BE REMOVED COMPLETELY.

REMOVAL OF THE SPACER FROM MALE HOUSING

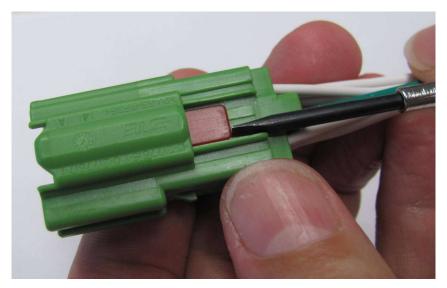
1.



INSERT THE SCREW DRIVER OR THE EXTRACTION TOOL AS SHOWN TO UNLOCK / LIFT THE TPA (SPACER)



2.

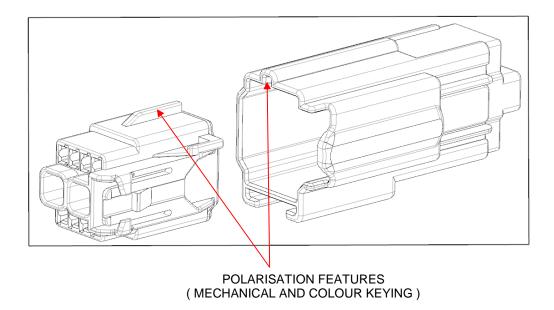


PICTURE SHOWS THE TPA (SPACER) IN PRE-LOCK POSITION

REMOVE THE SECONDARY LOCK BY USING THE EXTRACTION TOOL 1452426-1 OR A SMALL SCREWDRIVER.

FOR REMOVING THE TERMINALS THE SECONDARY LOCKS HAVE TO BE REMOVED COMPLETELY.

3. MATING AND UNMATING OF THE 10 POS. CONNECTORS

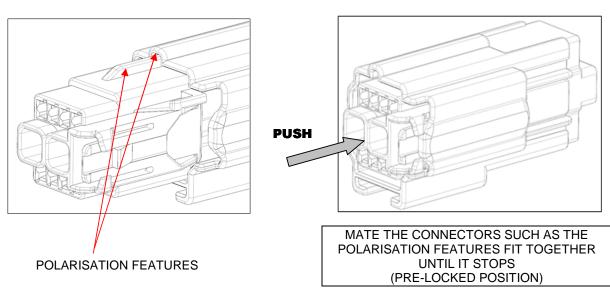




3.1 MATING OF THE CONNECTORS



2.



DO NOT BEND THE WIRES DURING ASSEMBLY! DO NOT MATE PARTS BY PUSHING ON WIRES! MATING FORCE SHOULD BE APPLIED ON HOUSINGS.

3.2 UNMATING OF THE CONNECTOR WITH THE HEADER

