					WORK INST				Effectivity Date:			February 13, 2024		
			Process Name/Title:			ASSEMBLY PRO					ity Date:		n/a	
			Model code/Part number:	780B / 7F	R0104-7023A	Customer: TRMX	Car Model:	TOYOT	A-TUNDR	A Docu	ment No.:		WI-ENG-PDE-5	57B
			Purpose:	PROTOTYPE		PRE-LAUNCH	MASSI	PRO		Revis	sion No.:	4	Page No.:	1 of 8
PARTS:		1. Assy	parts; Black tape; Black co	orrugated tube (no slit)	ø7 L=355±3mm						JIG:	1. Insertion 2. Locking		
N	<b>)</b> .	F	ROCESS NAME		WORK PF	ROCEDURE/ ILLUSTI	RATION				TOOLS/PPE		QUALITY POIN	TERS
1		P2	Table Lay-out	Assy Parts Inserti	Assy Parts on jig	.ocking jig Tape h	older/	TOOLS TOOLS	10 10 10 10 10 10 10 10 10 10 10 10 10 1	p profile to the	afety Instructi Be sure to wear rescribed person totective equipme during operation gloves, finger cot etc.)  Housekeeping Maintain and alw practice 5's. Personal things the workplace is rohibited. Keep it your locker.  Alert level or any trouble, inforce Assembly Assis Supervisor or Lineader for immedia corrective action	Docum 1. Please Wire and 2. Please taping wi 2. No excellin	ent reference/s refer to WI-PRO-C Strip Lenght tolera refer to WI-PRO-C shout tube.  sing parts/tools ses parts/tools	CNC-017 for ance.
		I			Revision History						Prepared by	Reviewed by	Approved by	Noted by
02/13/24	4	Change	erm from Sunprene tube to VM	tube (Sunprene). Inclusion	of Car model "TOYOTA-	TUNDRA"	D.Castillo	C.	A. Arañes	n/a	-			
1/19/23	3	Remove	taping of Sunprene tube to wire as DCS countermeasure for mis	near terminal hotmelted wir	es then transfer to P1; Ti	ransfer process no.7 and 8 from		Villanueva  J. Loterte	C. Villanueva	\. Arañes	Jestico	South Tillown		
11/10/22	2	Improve	Quality pointers; Reminders/Not	e/s and references on page	no. 1,2,3 and 5 due to d	document improvement.	M. Ariola	J. Loterte	C. Villanueva	A. Arañes	D. Castillo	C. Villanueva	A. Aranes	n/a
Eff. Date	Rev. No		_	Details of Cha	inge		Revised	Reviewed	Approved	Noted	Est. Date:	July 19, 2022		



	WORK INSTRUCTION							February 13, 2024			
		Process Name/Title:	TAPING	G ASSEMBLY PRO	CESS		Validity Date:		n/a		
		Model code/Part number:	780B / 7R0104-7023A	Customer: TRMX	Car Model:	TOYOTA-TUNDRA	Document No.:		WI-ENG-PDE-55	7B	
		Purpose:	PROTOTYPE	PRE-LAUNCH	MASSPR	RO	Revision No.:	4	Page No.:	2 of 8	
PARTS:	1. Assy 2. Black	parts c corrugated tube (no slit) of	97 L=355±3mm				JIG:	N/A			
NO.	P	ROCESS NAME	WORK P	ROCEDURE/ ILLUST	RATION		TOOLS/PPE	(	QUALITY POIN	ΓERS	
2	P2	Wire insertion to Black corrugated tube (no slit) Ø7 L= 355±3mm	1. Hold the wires using left hand, get the then insert the G-B/W hotmelted wires.	ne corrugated tube (no slits and B-B wires using lef	) ø <b>7 L=355±3m</b> ıft hand.	m using right hand	n/a	2. No defo	ng use of parts rmed terminal		
3		Wire insertion to assy parts	1. Get the assy parts, hold the COT ø7 L=208±3mm then insert the G-B/W hote wires and B-B wires using right hand.		insertion, check to wires left inside	the inserted wires	n/a		ng use of parts rmed terminal		

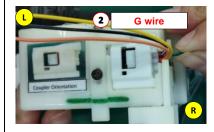
			WORK INS	STRUCTION		Effectivity Date:		February 13, 202	24
		Process Name/Title:		IG ASSEMBLY PROC	ESS	Validity Date:		n/a	
		Model code/Part number:	780B / 7R0104-7023A	Customer: TRMX	Car Model: TOYOTA-TUNDRA	Document No.:		WI-ENG-PDE-55	7B
		Purpose:	PROTOTYPE	PRE-LAUNCH	MASSPRO	Revision No.:	4	Page No.:	3 of 8
PARTS:	1. Assy	parts				JIG:	1. Insertion jig		
NO.	P	ROCESS NAME	WORK F	PROCEDURE/ ILLUSTR/	ATION	TOOLS/PPE	(	QUALITY POINT	TERS
4	P2	Connector setting to insertion jig 6189-1142 (W) (Assy parts)	Visual reference  1. Press the lower wire guide us to make sure connector with inside inserted.	INSERTION JIGORIENTATION  Lock  INSERTION JIGORIENTATION  INSERTION JI		N/A	I-mark align  1. Use the part of the part	(IS	ole is open

			ORK INSTRUCTION		E	Effectivity Date:		February 1
	Process Name/Title:	TAPING	ASSEMBLY PROCESS		V	/alidity Date:	n/a	
	Model code/Part number:	780B / 7R0104-7	7023A Customer: TRMX	Car Model: TOYOTA	-TUNDRA	Document No.:		WI-ENG-PI
	Purpose:	PROTOTYPE	PRE-LAUNCH	MASSPRO	F	Revision No.:	4	Page No.:
PARTS:	1. Assy parts					JIG:	1. Insertior	n iia
NO.	PROCESS NAME	<u> </u>	WORK PROCEDURE/ ILLUSTR	RATION		TOOLS/PPE		QUALITY P
	1	_					1 No loose	e insertion

Wire insertion to connector 5 P2 6189-1142 (W) (Assy parts)

1. Hold the insertion jig using left hand. Get the B/W wire and insert to connector using right hand.

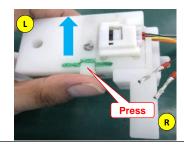
B/W wire



3. Hold the G wire and insert to connector using right hand.



2. Press the button using right thumb. The slot for G wire will be opened.



4. After insertion, push the lock using left thumb and then hold the wires and gently pull out the connector from jig using right hand.

N/A

1. Make sure wires are properly inserted.

Important reminders/Note/s:

February 13, 2024 n/a WI-ENG-PDE-557B Page No.:

**QUALITY POINTERS** 

4 of 8

Conduct Pull-Push-Pull-Push after insertion. Do not exert extra force.

2. During insertion, hold the wire not rubber seal to prevent sagging.

## Document reference/s:

- 1. Please refer to WI-PRO-CNC-017 for Wire and Strip Length tolerance.
- 2. Please refer to GL-PRO-ASY-029 for Pull-Push procedure.

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r <sub>in</sub>								
			WORK INST			Effectivity Date:		y 13, 2024
		Process Name/Title:		G ASSEMBLY PRO		Validity Date:	ı	n/a
		Model code/Part number:	780B / 7R0104-7023A	Customer: TRMX	Car Model: TOYOTA-TUNDRA	Document No.:	WI-ENG-	PDE-557B
		Purpose:	PROTOTYPE	PRE-LAUNCH	MASSPRO	Revision No.:	4 Page N	o.: 5 of 8
PARTS:	1. Ass	y parts				JIG:	1. Locking jig	
NO.		PROCESS NAME	WORK PE	ROCEDURE/ ILLUST	RATION	TOOLS/PPE		POINTERS
6	P2	Wire insertion to connector 6189-1142 (W) (Assy parts)	Connector Orientation  R  1. Hold the connector using left hand an insert first B wire to connector using righand.	nd 2. Hol	Id the connector using left hand and second B wire to connector using hand.	N/A	1. No loose insertion 2. No wrong insertion 3. One by one insertic 4. No deformed termin 5. No wrong wire facir  Important remin 1. Make sure wires a Conduct Pull-Push insertion. Do not exert extra for 3. During insertion, rubber seal to preven 4. Insertion of wire might.  Important remine 1. Please refer to GL Pull-Push procedure.	ders/Note/s:  are properly inserted.  a-Pull-Push after  are.  and the wire not a sagging.  anust be from left to  ders/Note/s:  -PRO-ASY-029 for



			WORK INST	RUCTION			Effectivity Date:		February 13, 20	)24
		Process Name/Title:	TAPINO	G ASSEMBLY PROC	ESS		Validity Date:		n/a	
		Model code/Part number:	780B / 7R0104-7023A	Customer: TRMX	Car Model:	TOYOTA-TUNDRA	Document No.:		WI-ENG-PDE-55	57B
		Purpose:	PROTOTYPE	PRE-LAUNCH	MASSP	RO	Revision No.:	4	Page No.:	6 of 8
PARTS:	1. Assy	parts					JIG:	1. Locking	jig	
NO.	F	PROCESS NAME	WORK PI	ROCEDURE/ ILLUSTR/	ATION		TOOLS/PPE		QUALITY POIN	TERS
7	P2	Connector lock	1. Put the connector into locking jig using right hand and then press 2x using both hands. Check the connector lock if propelocked.		SSING	AFTER PRESSING	LOCKING JIG	1. Manual connector  1. Use the	provided jig tool p	e damaged er model
8		Taping 1 Black corrugated tube to Black VM tube (Sunprene)	1. Measure the end of 176mm and terminal p	176± 3mm  If the corrugated tube up to the	he edge of ho	otmelt	MEASURING TAPE  6 7 8 9 1 1 2 3 4 5 6 7 8 9	1. Please measuring measuren  1. No peel 2. No flip of 3. No loos 4. No wron	-off tape out tape	fied

	_		WORK INSTRU	UCTION			Effectivity Date:		February 13, 20	24
		Process Name/Title:		ASSEMBLY PROC	ESS		Validity Date:		n/a	
		Model code/Part number:	780B / 7R0104-7023A	Customer: TRMX	Car Model: TOYO	TA-TUNDRA	Document No.:		WI-ENG-PDE-55	57B
		Purpose:	PROTOTYPE	PRE-LAUNCH	MASSPRO		Revision No.:	4	Page No.:	7 of 8
PARTS:	1. Assy 2. Blac						JIG:	N/A		
NO.	F	PROCESS NAME	WORK PRO	OCEDURE/ ILLUSTRA	ATION		TOOLS/PPE	(	QUALITY POIN	TERS
8	P2	Taping 1 Black corrugated tube to Black VM tube (Sunprene) (Continuation)	Start of taping  L  8 9 30 1 2 3 4 5  tape width  tape width	Black tape using using both hands.  184± 3mm  6 7 8 9 40 1		aping process	6 7 8 9 M 1 2 3 4 5 6 7 8 9 9	Please measuring measurer      No peel-     No flip o     No loose     No wron	-off tape out tape	ified



VIDA	Process Name/Title:	WORK INS	TRUCTION G ASSEMBLY P	ROCESS	Effectivity Date: Validity Date:	February 13, 2	024
	Model code/Part number:	780B / 7R0104-7023A	Customer: TRI		Document No.:	WI-ENG-PDE-5	57B
	Purpose:	PROTOTYPE	PRE-LAUNCH	MASSPRO	Revision No.:	4 Page No.:	8 of 8
ARTS: N/A					JIG:	N/A	
			QUALITY	CHECKPOINTS			
P2		<b>7</b> R	01	04-702	23A		
NO GO	2 black wires	B/N	The same of the sa	(1)			
					TAPE WIDT	TH & 1763mm cot hotmelt	to
(1) No	Missing co	t		L			
No	WRONG INS UNLOCKED/ TBO	HALFLOCKED		3 No Missing t	ape(black	tape)	