_	WORK INSTRUCTION Effectivity Date: Septe													September 30,	2022				
			Process Name/Title:	ocess Name/Title: TAPING ASSEMBLY PROCESS Validity Date:											n/a				
			Model Code/Part Number:	TP1	7L0091-7022			Docu	Document No.:			WI-ENG-PDE-061A							
			Purpose:	□ PROTOTYPE □ PRE-LAUNCH ■ MASSPRO Revision No.:											5	Page No.:	1 of 6		
PARTS:	:	1. Assy 2. Black	parts Vinyl tube Ø5 L=75±3mm	ed tube (no slit) Ø =532mm	no slit) Ø5 L=195±3mm JIG:					6: n	n/a								
N	Ο.	PF	ROCESS NAME	STRATION			TOOLS/PPE				QUALITY POINTERS								
	1		Wire insertion to Black Vinyl tube Ø5 L=75±3mm	L		Get the black vinyl insert the Y and B	tube (ø5 L=75±3mm) usin	g right hand then			p du	prescribed rotective ring opera finger co 	to wear d persona equipme ation (glov ots, etc.) ceeping and alwa	2 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	2. No wrong 3. No wrong I. No dama	provided jig per mon g orientation of cont g use of connector. ge Connector. Document references WI-ENG-PDE-136 Process	nector		
:	2	- P1	Wire insertion to Black Corrugated tube (no slit) Ø5 L=195±3mm	R Alert level For any trouble, inform the Assembly Assistant									2. No wrong 5 1. Refer to	provided jig per mon g orientation of cons g Document reference.	nector				
		١				Revision History	10 11 1 1 1 1 1	T				Prepai	red by	Revi	iewed by	Approved by	Noted by		
09/30/22		Change of tolerance from 35+/-3mm to 35(+3/-1mm) as countermeasure of encountered NG dimension from end of tape up to terminal tip on process no.7. Improve: Work procedure/illustration on process no. 1, 2, 3, 4, 5, 6, and 8; Quality pointers and notes on pg. 1 to 6 M. Ariola J. Loterte C. Villanueva A. Arañes																	
02/19/21	4		part number due to change colo					D. Castillo	C.Villanueva	A. Shimamura	A. Arañes		Mely		الما	1/1-11-	CALAN		
10/24/20			I insertion jig and change taping Remove cycle time.				rminal)	D. Castillo	R. Peñaloza	A. Shimamura	A. Arañes	M. A	riola	J. I	_oterte	C. Villanueva	A. Arades		
Eff. Date	Rev. No				etails of C	Change		Revised	Reviewed	Approved	Noted	Est. Date:	~	Dec 13,	2019				

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		Process Name/Title:			TAPIN	G A	ASSEMBLY PROCESS		Validity Date:			n/	a
		Model Code/Part Number	TP1	1	7L0091-7022		Customer:	TRQSS	Document No.:			WI-ENG-F	DE-061A
		Purpose:		PROTOTYP	E	[PRE-LAUNCH	MASSPRO	Revision No.:		5	Page No.:	2 of 6
<u> </u>	1								·		1		
PARTS:	1. Conn	ector 7186-8847 (W)								JIG	Insertion jig		
NO.	PI	ROCESS NAME			S WORK PR	OC	EDURE/ ILLUSTRATI	ON	TOOLS/P	PE	QUALITY POINTERS		
3	P1	Connector setting to insertion jig 7186-8847(W)	Holes Button	nector (Visual reference Slide Reset Guide Release or (7186-8847) into jig elease the side lock.	R	Adjustable Slide R 1. Slide the slide lock us	R	n/a	,	2. No wro	ong orientat ortant remi ot insert the	jig tool per model ion of connector inders/Note/s: le inverted PRILLUSTRATION NG 7186-8849 (W)

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		Model Code/Part Number:	TP1 / 7L0091-7022	Customer:	TRQSS	Document No.:	WI-ENG-PDE-061A		
		Purpose:	☐ PROTOTYPE	PRE-LAUNCH	MASSPRO	Revision No.:	5 Page No.: 3 of 6		
	1								
PARTS:	1. Assy	part				JIG	Insertion jig		
NO.	F	PROCESS NAME	<u>√s</u> WORK PRO	CEDURE/ ILLUSTRAT	ΓΙΟΝ	TOOLS/PPE	QUALITY POINTERS		
4	P1	Wire insertion to Connector 7186-8847 (W)	1. Get Yellow wire then insert to terminal slo 1 using right hand. Conduct Pull-Push-Pull-Push after insertion. 3. Get Black wire then insert to terminal slot 2 using right hand. Conduct Pull-Push-Pull-Push.	2. Press the button us wire will be open. 4. After insertion, GO sour	In Button In Button	n/a	1. No loose insertion 2. No wrong insertion 3. One by one insertion 4. No deformed terminal 5. No wrong wire facing Important reminder/Notes: 1. Insertion jig will alarm if will not conduct Pull-Push-Pull-Push method. 2. Make sure wires are properly inserted. Conduct Pull-Push-Pull-Push after insertion. Do not exert extra force. 3. Insertion jig will alarm if black wire will not insert before 5 seconds. Document references: 1. Refer to GL-PRO-ASY-029 For Pull-Push procedure.		

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					WORK INS	TRUCTION		Effectivity Date:			September 3	30, 2022	\exists
		Process Name/Title:			TAPIN	NG ASSEMBLY PRO	Validity Date:		n/a				
		Model Code/Part Number:	TP1	1	7L0091-7022	Customer:	TRQSS	Document No.:			WI-ENG-PD	E-061A	
		Purpose:		PROTOTYPE	Ē	☐ PRE-LAUNCH	MASSPRO	Revision No.:		5	Page No.:	4 of 6	
													_
	1. Assy part 2. Clamp Nippon 7067-0(POP) (W)		1					JIG	n/a				
NO.	PF	ROCESS NAME			√S WORK PF	ROCEDURE/ ILLUS	TRATION	TOOLS/	QUALITY POINTERS				
5		Clamp Attachment	0	CLIP	PORIENTATION		1. Hold the connector using left hand, get the clip 7067-0 (POP) (W) then insert using right hand.	n/a		2. No wi	ose attachmen rong usage of _l issing clamp		
6	P1	Taping 1 Corrugated tube to wire near connector	corrugate	e Gray tape, had tube using an start pre-ta	left	25 ± 3 mm R 25 ± 3 mm	2. Measure the end of the corrugated tube up to the edge of connector 25mm. Then continue taping using right hand. 3. After taping, check the measurement and taping condition.	6 7 8 9 1 1 2 3 4	5 6 7 8 9	2. No pe 3. No loo 4. No m 5. No wi 6. No wi 1mp 1. Pleas	p-out tape eel-off tape joise tape joise tape rong dimensior rong use of tap portant remine se use calibra ring tape when rement.	ders/Note/s: //tes/verified	Ś

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			WORK INST	RUCTION		Effectivity Date:	September 30, 2022
		Process Name/Title:	TAPING	S ASSEMBLY PROCE	ESS	Validity Date:	n/a
		Model Code/Part Number:	TP1 / 7L0091-7022	Customer:	TRQSS	Document No.:	WI-ENG-PDE-061A
		Purpose:	☐ PROTOTYPE	PRE-LAUNCH	MASSPRO	Revision No.:	5 Page No.: 5 of 6
	1						
PARTS:	1. Black 2. Black	tape Corrugated tube (no slit) &	05 L=247±3mm			JIG	1. Terminal cover jig
NO.	Р	ROCESS NAME	∕₅\ WORK PRO	OCEDURE/ ILLUSTI	RATION	TOOLS/PPE	QUALITY POINTERS
7	P1	Wire insertion to Black Corrugated tube (no slit) Ø5 L=247±3mm	1. Get the terminal cover jig using right hand and insert the wires using left hand.	using rig	ne corrugated tube Ø5 L=247±3mm that hand and insert the wires using d. 3. Remove the terminal cover jig after insertion.	TERMINAL COVER JIG	No wrong usage of parts No deformef terminal.
8		Taping 2 Corrugated tube to wire near terminal	Start of taping R	1. Hold the COT using lef Black tape using right ha taping using both hands.	nd then start pre-	MEASURING TAP	6. No wrong use of tape

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					WORK INST	TRUCTION			Effectivity Date:			September	30, 2022		
		Process Name/Title:			TAPIN	IG ASSEMBLY	Validity Date:		n/a						
		Model Code/Part Number:	TP1 / 7		7L0091-7022	Custome	er:	TRQSS	Document No.:	ocument No.:		WI-ENG-PDE-061A			
		Purpose:		PROTOTYF	PE	☐ PRE-LAUN	ICH	MASSPRO	Revision No.:		5	Page No.:	6 of 6		
<u> </u>	l														
PARTS:	1. Assy 2. Black									JIG	n/a				
NO.	PI	ROCESS NAME			S WORK PF	ROCEDURE/ IL	TOOLS/I	QUALITY POINTERS							
8	P1	Taping 2 Corrugated tube to wire near terminal	1	8 9 tape widt	57±3n	4 5 R	pointed tip 57± process using b 3. Confirm meres from end of tathen continue both hands.	asurement of 35 (+3/-1mm) pe up to terminal pointed tip the taping process using check the measurement,	MEASURING 6 7 8 9 1 2 3 4	5 6 7 8 9	2. No pe 3. No lo 4. No m 5. No wi 6. No wi 1. Pleas measur measur 1. Refei	se use calibr ring tape who rement. Document re r to WI-ENG-	ape nders/Note/s: ated/verified en getting the		

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