				WORK INST	RUCTION		Effectivity Date:		November 25,	2021
		Process Name/Title:		TAPINO	S ASSEMBLY PROC	CESS	Validity Date:		n/a	
		Model Code/Part Number:	150B	/ ⁴ \7L0058-7023	Customer:	TRQSS	Document No.:		WI-ENG-PDE-2	28A
		Purpose:	□Р	ROTOTYPE	PRE-LAUNCH	MASSPRO	Revision No.:	4	Page No.:	1 of 11
		<u> </u>							<u> </u>	
PARTS: $\sqrt{4}$	wires Y	•	TVSSf 0.3	wires GR-B/W L=664±3mm with	*	it); Connector 6189-1161 (B); AVSSf 0.: e	JIG:	Insertion Locking j Termina		er
NO.	F	PROCESS NAME		√₄\WORK PI	ROCEDURE/ ILLUSTR	ATION	TOOLS/PPE		QUALITY POIN	ITERS
1	P1	<u>√</u> 4 Table Lay-out		Locking jig	Black COT Ø7 L=24±3mm (no slit) AVSSf 0.3 wires OR L=365±2mr Inserted Head-Standing Inserted Black support tube \$\phi\$ 5 L=125±3mm Terminal cover ig Black tag hole	Black COT Ø5 L= 416±4mm (with slit) De/Tape White tape/Tape	Safety Instruction Be sure to wear required personal protective equipment during operation (gloves, finger cots, etc.) Housekeeping 1. Maintain and always practice 5's. 2. Personal things on the workplace is prohibited. Keep it in your locker. Alert level For any trouble, inform the Assembly Assistant Supervisor or Line Leader for immediate corrective action.	Wire and Wir	efer to WI-PRO nd Strip Length ing parts/tools as parts/tools	-CNC-017 for Tolerance
				Revision History			Prepared by F	Reviewed by	Approved by	Noted by
11/25/21 4	228D). I PRO-CI	mprove work procedure and illust NC-017 for Wire and Strip Length	ration. Additio Tolerance)	3 due to additional clamp (82711-520 nal table lay-out, checkpoint in check -134A) to Engineering (WI-ENG-PD	king of wire tolerance (Refer to WI		. Arañes			
02/01/21 3	Pull-Pus Add cor	h-Pull-Push; Put calibrated meas nector orientation illustration instr	uring tape illus uction in all ta	stration and Improve the work proced		J. Loterte C.Villanueva A. Shimamura A	. Arañes Minsutaye	Show	2011	And
03/17/20 2		vire insertion jig/Change length of C				J. Silang A. Morcozo O. Merin		J. Loterte	C. Vittanueva	A. Arañes
Eff. Date Rev. No	1			etails of Change		Revised Reviewed Approved	Noted Est. Date: Octob	ber 17, 2018		

			WORK INS	STRUCTION		Effectivity Date:	November 25, 2021
		Process Name/Title:	, TAPIN	G ASSEMBLY PROPCE	SS	Validity Date:	n/a
		Model Code/Part Number:	150B / 4\7L0058-7	7023 Customer:	TRQSS	Document No.:	WI-ENG-PDE-228A
		Purpose:	PROTOTYPE	PRE-LAUNCH	MASSPRO	Revision No.:	4 Page No.: 2 of 11
		<u> </u>				<u> </u>	
PARTS:	1. Conn	ector 6188-0066 (GR)	٨			JIG	Insertion jig with switch cover
NO.	F	PROCESS NAME 4 WORK PROCEDURE/ ILLUSTRATION		TOOLS/PPE	QUALITY POINTERS		
2	P1	Connector setting to insertion jig 6188-0066 (GR)	Insertion jig with switch cover Orange wire Yellow wire Visual reference Press R 1. Press the lock using left hand.	INSERTION JG ORIENTATION 2. Get the connector 6188-0066 (GR) insertion jig. Release the lock after in Note: Follow the connector orientati 3. Push the lower wire guide up hand. Slot for Yellow wire will be	oward using right		CONNECTOR ORIENTATION ILLUSTRATION I-mark is align 2 holes are open not align 1. Use the provided jig per model 2. No wrong orientation of connector 3. No wrong use of connector 4. No damaged connector

			WORK INSTRUCT	TION		Effectivity Date:	November 25, 2021
		Process Name/Title:	, TAPING ASS	EMBLY PROPCES	S	Validity Date:	n/a
		Model Code/Part Number:	150B / <u>4</u> 7L0058-7023	Customer:	TRQSS	Document No.:	WI-ENG-PDE-228A
		Purpose:	☐ PROTOTYPE ☐	PRE-LAUNCH	MASSPRO	Revision No.:	4 Page No.: 3 of 11
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PARTS:	JIG	1. Insertion jig with switch cover					
NO.	F	PROCESS NAME	WORK PROCE	DURE/ ILLUSTRATIO	N	TOOLS/PPE	QUALITY POINTERS
3	P1	Wire Insertion to connector 6188-0066 (GR)	1. Hold the insertion jig using left hand. Get the Yellow wire then insert to terminal slot 1 using right hand. 2 Orange wire 3. Get the Orange wire then insert to terminal slot 2 using right hand.	2. Press the buttor slot for Orange win	Press R sh the lock using left thumb ires and gently pull out the	n/a	Note: Refer to WI-PRO-CNC-017 for Wire and Strip Length Tolerance 1. No loose insertion 2. No wrong insertion 3. One by one insertion 4. No deformed terminal 5. No wrong wire facing Make sure wires are properly inserted. Conduct Pull-Push-Pull-Push after insertion. Do not exert extra force.

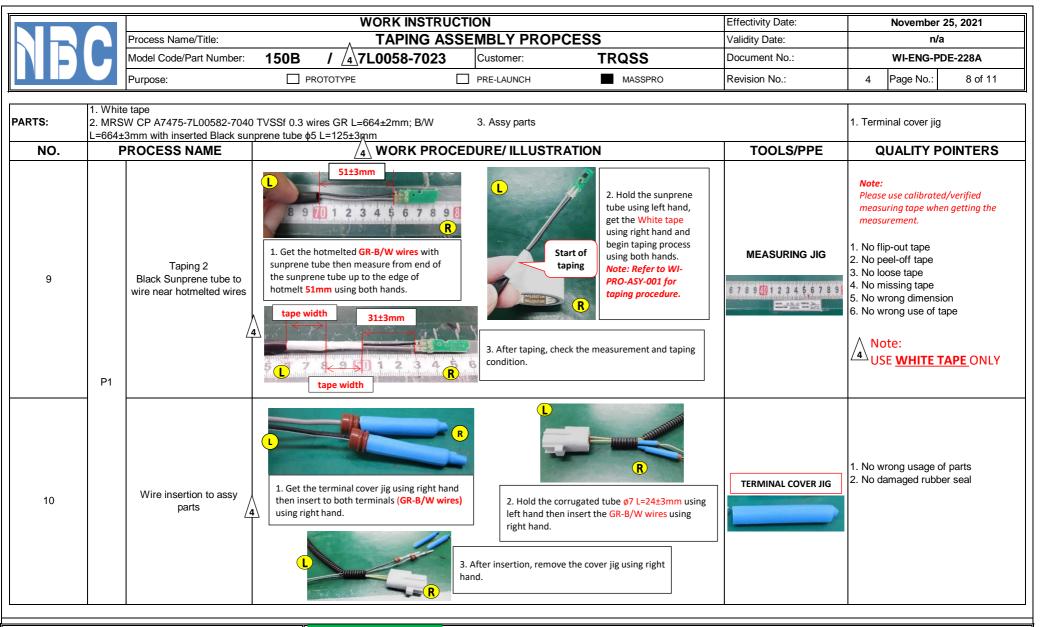
	Effectivity Date:		November 25, 2021					
Process Name/Title:	lame/Title: TAPING ASSEMBLY PROPCESS						n/a	
Model Code/Part Number:	150B /	∕₄\7L0058-7023	Customer:	TRQSS	Document No.:		WI-ENG-P	DE-228A
Purpose:	☐ PROTOT	YPE	PRE-LAUNCH	MASSPRO	Revision No.:	4	Page No.:	4 of 11

ARTS:		Corrugated tube ø7 L= 24±3 Corrugated tube ø5 L= 258		JIG	1. Insertion jig
NO.	F	PROCESS NAME	✓₄\ WORK PROCEDURE/ ILLUSTRATION	TOOLS/PPE	QUALITY POINTERS
4		Wire insertion to COT (no slit) Ø7 L= 24±3mm (1ST) Ø5 L= 258±3mm (2ND)	1. Hold the wires using left hand. Get the Corrugated tube (no slit) Ø7 L=24±3mm using right hand then insert then Y-OR wires using left hand. 2. Hold the wires using left hand. Get the Corrugated tube (no slit) Ø5 L=258±3mm using right hand then insert then Y-OR wires using left hand.	n/a	No wrong use of parts No deformed terminal
5	P1	Connector setting to insertion jig 6189-1161 (B)	INSERTION JIG Hole Lock INSERTION JIG ORIENTATION CONNECTOR ORIENTATION	n/a	1. Use the provided jig per model 2. No wrong orientation of connect 3. No wrong use of connector 4. No damaged connector

				WORK INSTRU	CTION			Effectivity Date:			November	25, 2021
		Process Name/Title:		, TAPING AS	SEMBLY PRO	OPCESS		Validity Date:			n/a	a
		Model Code/Part Number:	150B /	/ ₄ \7L0058-7023	Customer:	TRO	QSS	Document No.:			WI-ENG-P	DE-228A
		Purpose:	☐ PROTOT	ГҮРЕ	PRE-LAUNCH		MASSPRO	Revision No.:		4	Page No.:	5 of 11
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PARTS:									JIG	1. Insertion jig		
NO.	F	PROCESS NAME		WORK PROC	CEDURE/ ILLUS	TRATION		TOOLS/I	PPE	QUALITY POINTERS		
5	P1	Connector setting to insertion jig 6189-1161 (B) (Continuation)	1. Press the lock us	ising left thumb. inse		ock after insertion.	d using right	n/a		I-mark I-mark ali 1. Use th 2. No wr 3. No wr	is align is not ne provided	1 hole is open 1 hole is open ig per model ion of connector connector

			WORK INSTRU	CTION		Effectivity Date:	November 25, 2021
		Process Name/Title:	, TAPING AS	SEMBLY PROPCE	SS	Validity Date:	n/a
		Model Code/Part Number:	150B / 4\7L0058-7023	Customer:	TRQSS	Document No.:	WI-ENG-PDE-228A
		Purpose:	☐ PROTOTYPE	PRE-LAUNCH	MASSPRO	Revision No.:	4 Page No.: 6 of 11
		•					
PARTS:	1. Assy	parts	٨			JIG	1. Insertion jig
NO.	F	PROCESS NAME	4 WORK PROC	CEDURE/ ILLUSTRATI	ON	TOOLS/PPE	QUALITY POINTERS
6	P1	Wire insertion to connector 6189-1161 (B)	1. Hold the insertion jig using left hand. Get the Yellow wire then insert to terminal slot 1 using right hand. 2 Orange wire R 3. Get the Orange wire then insert to terminal slot 2 using right hand.	2. Press the buslot for Orange 4. After insertion, p	Press R atton using right thumb. The ewire will be opened. Press R aush the lock using left thumb wires and gently pull out the using right hand.	n/a	1. No loose insertion 2. No wrong insertion 3. One by one insertion 4. No deformed terminal 5. No wrong wire facing Make sure wires are properly inserted. Conduct Pull-Push-Pull-Push after insertion. Do not exert extra force. A Note: Refer to GL-PRO-ASY-029 for Pull-Push procedure.

			WORK INS	STRUCTION		Effectivity Date:	November 25, 2021	
		Process Name/Title:	, TAPING	G ASSEMBLY PROPO	ESS	Validity Date:	n/a	
		Model Code/Part Number:	150B / <u>/</u> 4\7L0058-70	023 Customer:	TRQSS	Document No.:	WI-ENG-PDE-228A	
		Purpose:	☐ PROTOTYPE	PRE-LAUNCH	MASSPRO	Revision No.:	4 Page No.: 7 of 11	
	1	-						
PARTS:	1. Assy 2. Black		٨			JIG	1. Locking jig	
NO.	Р	PROCESS NAME	4 WORK F	PROCEDURE/ ILLUSTRA	ATION	TOOLS/PPE	QUALITY POINTERS	
7		Connector lock	1. Put the conne locking jig and p 2x using both hat the connector locking jig and p 2x using bo	oush down ands. Check ock if I. UNLOCK CONDITION	NG GOOD HALF LOCKED CONDITION FULLY LOCKED CONDITION	LOCKING JIG	Note: MANUAL LOCKING MAY CAUSE DAMAGED CONNECTOR LOCK. 1. No unlock/half-locked connector 2. No damaged lock	
8	P1	Taping 1 COT to wire near connector	1. Hold the assy parts using left hand get Black tape then conduct pretaping using both hands. 28±3mm Tape width 0~5mm	2. Hold the assy parts COT to connector 28± Continue taping proce Note: Refer to WI-PRO		MEASURING JIG	Note: Please use calibrated/verified measuring tape when getting the measurement. 1. No flip-out tape 2. No peel-off tape 3. No loose tape 4. No missing tape 5. No wrong dimension 6. No wrong use of tape	



				WORK INSTRU	CTION			Effectivity Date:			November	r 25, 2021
		Process Name/Title:		, TAPING AS	SEMBLY PRO	OPCESS		Validity Date:			n/	/a
		Model Code/Part Number:	150B /	4\7L0058-7023	Customer:	Т	RQSS	Document No.:			WI-ENG-F	PDE-228A
		Purpose:	☐ PROTO)TYPE	☐ PRE-LAUNCH		MASSPRO	Revision No.:		4	Page No.:	9 of 11
	_											
PARTS:	1. Assy	parts		٨					JIG	1. Insert	ion jig	
NO.	F	PROCESS NAME		4 WORK PROC	CEDURE/ ILLUS	STRATION		TOOLS/	PPE	QUALITY POINTERS		
11	P2	Connector setting to insertion jig 6188-0066 (GR) (Assy parts)	1. Press th	Button Button the guide using right thumb. The will be opened.	Lock INSERTIORIENT	2. Press th using left	nnector 6188-0066 (GR) /OR wire using right	n/a		I-mar 1. Use tl 2. No wr 3. No wr	k is align GO ark is NOT align NG he provided	2 Holes are opened 2 Holes are opened 3 jig per model ation of connector connector

		WORK INSTRUC	CTION	Effectivity Date:	November 25, 2021		
	Process Name/Title:	TAPING ASS	SEMBLY PROPCESS	Validity Date:	n/a		
	Model Code/Part Number:	150B / <u>4</u> 7L0058-7023	Customer: TRQSS	Document No.:	WI-ENG-PDE-228A		
	Purpose:	☐ PROTOTYPE [PRE-LAUNCH MASSPRO	Revision No.:	4 Page No.: 10 of 11		
	1			T	1		
PARTS:	1. Assy parts	Λ		JIG	Insertion jig Locking jig		
NO.	PROCESS NAME	PROCESS NAME 4 WORK PROCEDURE/ ILLUSTRATION TOOLS/PF		TOOLS/PPE	QUALITY POINTERS		
12	Wire insertion to connector 6188-0066 (GR) (Assy parts)	1 Hold the GR wire then insert to terminal slot 1 using right hand. 3. Hold the B/W wire then insert to terminal slot 2 using right hand.	2. Press the button using right thumb. The slot for B/W wire will be opened. 4. After insertion, push the lock using left thumb then hold the wires and gently pull out the connector from jig using right hand.	n/a	1. No loose insertion 2. No wrong insertion 3. One by one insertion 4. No deformed terminal 5. No wrong wire facing Make sure wires are properly inserted. Conduct Pull-Push-Pull-Push after insertion. Do not exert extra force. Note: Refer to GL-PRO-ASY-029 for Pull-Push procedure.		
13	Connector Lock	1. Put the connector into locking jig using both hands and then conduct 2x pressing. Check the connector if properly locked	Coupler Cross Sectional View NG NG GOOD efore pressing Unlock Half Lock Condition fter pressing	Locking jig	NOTE: MANUAL LOCKING MAY CAUSED DAMAGED LOCK 1. Use the provided locking jig per model 2. No unlock/half-locked connector		

