				W	ORK INSTRUCTION		Effectivity Date:		August 19, 20	21
		Pi	rocess Name/Title:		TAPING ASSEMBLY PR	OCESS	Validity Date:		n/a	
		Pi	roduct Name/Code:	310B / 7M052	1-7020A Customer:	TRJ	Document No.:		WI-ENG-PDE-1	64A
		Pi	urpose:	PROTOTYPE	PRE-LAUNCH	MASSPRO	Revision No.:	4	Page No.:	1 of 8
PARTS:			ctor 6188-0066 (GR) 0.3 Y/OR wire L=396±2	mm			JIG:	1. Insertion	jig with switch cove	er
NO		PRO	DCESS NAME	Ţ	WORK PROCEDURE/ ILLUS	TRATION	TOOLS/PPE	G	QUALITY POIN	TERS
1			Connector setting to insertion jig 6188-0066 (GR)	Insertion Jig With Insertion jig Y-wire jig Wire guide Button 1. Press the lock of insertion using left thumb.	Switch cover OR-wire CON ORIE 2. Insert the con right hand and r Note: Follow the	NECTOR NTATION R L L R R R R R R R R R R R R R R R R	Safety Instruction Be sure to wear prescribed 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. Release Alert level For any trouble, inform the Assembly Assistant Supervisor or Line Leader for immediate corrective action.	I-mark aligned	Illustration is align GOOD is not	1 hole is open 2 holes are open
00/40/04	4 1.				on History			Reviewed by	Approved by	Noted by
08/19/21	3 re	Revise due efer to GL-	to standardize the color		ertion and taping process. r standardization of plastic parts (Please al of GOOD and NG illustration of cover j	g.	mamura A. Arañes		Chi-L	
07/02/18				instruction (EI-ENG-PDE-043) . Initi	ial issue.	S. Manalo R. Alcantara A. Ar	Hamura A. Aranes	. Villanueva	A. Shimamura	A. Aranes
Eff. Date		•		Details of Change			1 0	02, 2018		

				V	VORK INSTRUC			E	Effectivity Date:			August 19	, 2021
		Process Name/Title:			TAPING AS	SEMBLY I	PROCESS	١	/alidity Date:			n/a	
		Product Name/Code:	310B	/ 7N	//0521-7020A	Customer:	TRJ	I	Document No.:			WI-ENG-PE	E-164A
		Purpose:	PRO	TOTYPE		PRE-LAUNCH	H MASSPRO	F	Revision No.:		4	Page No.:	2 of 8
_	1 Black	c Corrugated tube (no slit)	φ7 I = 45+3mm										
PARTS:	2. Black	Corrugated tube (no slit)	φ7 L= 295±3mm							JIG	1. Insert	on jig with sv	ritch cover
NO.	Р	ROCESS NAME			WORK PROCE	DURE/ ILL	USTRATION		TOOLS/I	PPE	QI	JALITY P	DINTERS
2	P1	Wire insertion to connector 6188-0066 (GR)	1. Get the Y wir slot 1 using righ 3. Get the OR w slot 2 using righ	then insert thand.	Orange R	4 ti	2. Press the button using right thumb OR wire will be opened. After insertion, push the lock using humb and then hold the wires and good build out the connector from jig using using the lock.	R gleft gently	n/a		2. No wr 3. One b 4. No de 5. No wr Note: inserte Condu inserti Do not	ed. ct <u>Pull-Push-P</u> on. exert extra fo	res are properly ull-Push after arce. PRO-ASY-029
3		Wire insertion to Black Corrugated tube (no slit) \$\phi T = 45\pm 3mm \$\phi T = 295\pm 3mm	() ()		R pt L= c then ir orange	the corrugated t 45±3mm using r ssert the yellow wire by using le	right hand wire and eft hand.	±3mm Ø7, L=295±	3mm		2. No da	ong usage of maged rubbe maged termi	r seal

φ7 L= 295±3mm using right hand then insert the yellow wire and orange wire by using left hand.

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Product Na	me/Code: 310B /	7M0521-7020A Customer:	TRJ	Document No.:		W	VI-ENG-PDE-164	A
Purpose:	PROTOTYPE	PRE-LAUNCH	MASSPRO	Revision No.:		4 Pa	age No.: 3	of 8
						1		
PARTS: 1. Connector 6189-	1161 (B)				JIG	1. Insertion	ijg	
NO. PROCESS	NAME	WORK PROCEDURE/ ILLUS	TRATION	TOOLS/	PPE	QUA	ALITY POINTE	ERS
4 P1 inse	INSERTION JIG INSERTION JIG Press 1. Press the insertior lock using left thumb		Release R 1.161 (B) using right hand and insert to tak after insertion.	n/a	<u>/</u>	I-mark is align 1. Use the 2. No wron 3. No wron 3.	1 hole i	is open

be opened.

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NA		Process Name/Title:		Effectivity Date: Validity Date:			August 19						
		Product Name/Code:	310B /	7M0521-7020A	Customer:	TRJ	Document No.:			E-164A			
		Purpose:	PROTO	OTYPE [PRE-LAUNCH	MASSPRO	Revision No.:		4	Page No.:	4 of 8		
PARTS:	1. Assy p	parts						JIG	1. Insert 2. Locki	, 0			
NO.	PR	OCESS NAME		WORK PROCEDURE/ ILLUSTRATION						QUALITY POINTERS			
5	4	Wire insertion to connector 6189-1161 (B)	wire and insert t	Yellow wire R tion jig using left hand. Get the to connector using right hand. Orange wire	2. Press the buttor for OR wire will b	in using right thumb. slot e open.	n/a	L	2. No w 3. One I 4. No de 5. No w 4 Note: insert Condu	ed. ict <u>Pull-Push-Pi</u>	nal ng res are properly ull-Push after		

right hand.

1. Put the connector into locking jig using right hand then press 2x using both hands. Check the connector if properly locked.



BEFORE PRESSING



NG GOOD NG Full Lock Condition Unlock Condition

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.

LOCKING JIG

NOTE: MANUAL LOCKING MAY CAUSED DAMAGED LOCK

Note: Refer to GL-PRO-ASY-029

for Pull-Push procedure.

1. Use the provided locking jig per

2. No unlock/half-locked connector

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Connector Lock

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3. Get the OR wire and insert to connector using

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		I							1		<u> </u>	<u> </u>	
PARTS:	1. Assy 2. Blacl									JIG	n/a		
NO.	Р	ROCESS NAME			WORK PROCE	DURE/ ILLU	JSTRATION		TOOLS/I	PPE	Ql	JALITY F	POINTERS
	1	4	L		f taping R	make 2 windii	rrugated tube using left hand, ngs of pre-taping at the middle o using right hand.	f			meası		rated/verified when getting nt.
7	P1	Taping 1 Black Corrugated tube to wire near connector	L 9	28	minimi a hiniminimi	R 2. I up tap No pro	Measure from end of the corrugato connector 28±3mm then conting process. Ite: Refer to WI-PRO-ASY-001 for occedure. 3. After taping, check the measurage condition.	tinue the	6 7 8 9 10 1 2 3 4	. \$ <mark>,</mark> 6 7 8 9 (2. No pe 3. No loc 4. No mi 5. No wr	o-out tape el-off tape use tape ssing tape ong dimens ong use of ta	

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Note: 3~8mm

→ End tape up to connector (includes rubber seal)

tape width

				WORK INSTRUC	TION			E	Effectivity Date:			August 1	9, 2021	
	F	Process Name/Title:		TAPING ASS	EMBLY P	ROCESS		١	/alidity Date:			n/a	a	
		Product Name/Code:	310B / 7	7M0521-7020A	Customer:		TRJ		Document No.:			WI-ENG-P	DE-164A	
		Purpose:	PROTOTYPE	C	PRE-LAUNCH		MASSPRO	F	Revision No.:		4	Page No.:	6 c	of 8
								•						
		Corrugated tube (no slit) ¢ / CP 7M0521-7040 TVSS arts		58±3mm						JIG	1. Termi	nal cover jig		
NO.	PR	OCESS NAME		WORK PROCE	DURE/ ILLU	STRATIO	N		TOOLS/PPE		QUALITY POINTERS			RS
8	4	Wire insertion to Black Corrugated tube (no slit) \$7 L=460±4mm			R then i using 2. Get using	nsert to both t right hand.	cover jig using right erminals (GR-B/W v d tube ф7, L=460±4 n insert the GR-B/V	wires)	TERMINAL CO	VER JIG				
9	P1	Wire insertion to Assy parts	φ7 L= 45±3	ф7 L=295±3mm	then i hand.	nsert the GR-B	L=45±3mm using le s/W wires using right move the cover jig		TERMINAL CO	VER JIG	2. No da	ong usage c maged rubb posed rubbe	er seal	ring

			WORK IN	STRUCTION		Effectivity Date:	August 19, 2021
		Process Name/Title:	TAPIN	G ASSEMBLY PR	ROCESS	Validity Date:	n/a
		Product Name/Code:	310B / 7M0521-7	020A Customer:	TRJ	Document No.:	WI-ENG-PDE-164A
		Purpose:	PROTOTYPE	PRE-LAUNCH	MASSPRO	Revision No.:	4 Page No.: 7 of 8
PARTS:	1. Assy	·	WORK	DOCEDURE/III I III	CTRATION	JIO TOOL S/PDF	, g
NO.	Ph	ROCESS NAME	WORK F	ROCEDURE/ ILLU	TOOLS/PPE	QUALITY POINTERS	
10	<i>l.</i>	Connector setting to insertion jig (Assy parts) 6188-0066 (GR)	Lock Lock Press 2. Press the lock of insertion jig using left thumb.	Visual reference Unlock button Guide lock 3. Insert the connector hand and release the Note: Follow the Connector hand and Release the		n/a	Connector Orientation Illustration I-mark is align GOOD I-mark is not align 2 holes are open NG 1. Use the provided jig per model 2. No wrong orientation of connector 3. No wrong use of connector 4. No damaged connector

					WORK INSTRUC	TION		Effectivity Date:	
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		Product Name/Code:	310B	1	7M0521-7020A	Customer:	TRJ	Document No.:	
		Purpose:	□P	ROTOTY	PE [PRE-LAUNCH	MASSPRO	Revision No.:	
ARTS:	1. Assy	parts							JIG
NO.	P	ROCESS NAME	Ī		WORK PROCEI	DURE/ ILLUSTR	RATION	TOOLS/	L /PPE

1. Insertion jig Locking jig **QUALITY POINTERS** Wire facing 1. No loose insertion 2. No wrong insertion 3. One by one insertion 4. No deformed terminal 5. No wrong wire facing Wire insertion to 1. Hold the **GR wire** then insert 11 connector n/a 3. Hold the **B/W wire** then to terminal slot (1) using right 6188-0066 (GR) 2. After insertion of GR wire press insert to terminal slot (2) hand. Note: Make sure wires are properly the button using right thumb. The using right hand. inserted. slot for **B/W wire** will be opened. Conduct Pull-Push-Pull-Push after insertion. Do not exert extra force. 4. After insertion, push the lock using left P1 thumb and then hold the wires and gently pull Note: Refer to GL-PRO-ASY-029 out the connector from jig using right hand. for Pull-Push procedure. **NOTE:** MANUAL LOCKING MAY CAUSE **LOCKING JIG Connector Cross Sectional** DAMAGED LOCK. View **GOOD** 1. Use the provided jig per model 12 Connector Lock 2. No half-lock/unlock connector 1. Put the connector into locking jig then press 2x using Unlock Half Lock Full Lock After pressing Before pressing

Condition

Condition

Condition

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right hand. Check if properly

locked.

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