					WO	RK INSTR	UCTION					Effectivity Date:		Jui	ne 6, 2023	
			Process Name/Title:			TAPING A	SSEMBLY P	ROCESS	3			Validity Date:			n/a	
	- 1		Model Code/Part Number	YDB	/ 759	324-0010	Customer:		TRJ			Document No.:		WI-EN	G-PDE-609A	
			Purpose:	P	ROTOTYPE		PRE-LAUNCH		MASS	PRO		Revision No.:	2	Page No.:	1 0	of 8
													I			
PARTS:			ector PBVP-08V-S (W) ector PBVP-10V-S (W)										JIG:	1. Insertion jig		
NO.		PF	OCESS NAME		V	WORK PRO	CEDURE/ ILLU	STRATIO	N			TOOLS	S/PPE	QUAI	ITY POINT	ERS
1		P1	Connector setting to insertion jig PBVP-08V-S (W) PBVP-10V-S (W)	e6.5	Lower Butto	1. Get of PBV Note:	the 1 pc of PBVP-081 P-10V-5 connector u Follow the connector	R 2-S connector sing right hand orientation.	d then insert	2 R and and get 1 to insertion	рс	Safety Ins Be sure t prescribed protective e during operat finger col Houseke 1. Maintain a practice 2. Personal th workplace is Keep it in yo Alert I For any trout the Assembly Supervisor or for immediate actio	o wear personal equipment ion (gloves, ts, etc.) eeping and always e 5's. ings on the orohibited. ur locker. evel ole, inform / Assistant Line Leader e corrective	1. Use the provent of the second of the seco	sage of parts ientation of co	
	1					Revision History			1	1	1		Prepared by	: Checked by:	Approved by:	Noted by:
06/06/23			ight Gray Sunprene tube to Nowork procedure of Page 4-6.				e tube to VM tube (S	unprene).	D.Castillo	J.Loterte	C. Vila	nueva A. Arañes	0		, / /	
01/13/23		_	re-launch to Masspro. Provide						D.Castillo	J.Loterte	C. Vila	nueva A. Arañes	gentuu		Jour House	- 900
		Initial issu	e						D.Castillo	J.Loterte	C. Vila		D. Castillo		C. Villanueva	A. Arañes
Eff. Date Rev	v. No				Details of Change	9			Revised	Checked	Appr	oved Noted	Established D	ate: Janua	ary 4, 2023	

				WORK INS	TRUCTION		Effectivity Date:	June 6, 2023
	-1		Process Name/Title:	TAPING	ASSEMBLY P	ROCESS	Validity Date:	n/a
	- 1		Model Code/Part Number	YDB / 75\$324-00°	10 Customer:	TRJ	Document No.:	WI-ENG-PDE-609A
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<u> </u>								
PARTS:	\triangle	wire L=3	S 0.3 wire B/W L=351±2mr 351±2mm R VM tube (Sunprene) Ø6.		±3mm; OR wire L=193±	£2mm; W wire L=193±2mm; R wire L=193	3±2mm; R/W JIG	1. Insertion jig
NO.		PF	ROCESS NAME	WORK PF	ROCEDURE/ ILLU	STRATION	TOOLS/PPE	QUALITY POINTERS
2		P1	Wire insertion to Connector PBVP-08V-S (W)	1. Get the B/W wire using left hand and t for W/G-V-OR-W-R-R/W wires. Check the Note: Follow the insertion sequence based	1 2 3 B/W X W/G 351 X 193 Wire facing	193 193 193 193 351	STEERING NAVIGATION CONTROLLER	1. Use provided jig per model 2. No wrong usage of parts 3. One by one insertion 4. No wrong insertion 5. No deformed terminal 6. No stuck of terminal tip Important reminders/Note/s: 1. Please hold the wire near terminal during insertion. 2. Make sure wires are properly inserted. Conduct Pull-Push-Pull-Push after insertion. Do not exert extra force. Document References: 1. Refer to WI-ENG-PDE-044 for Steering Navigation Controller procedure. 2. Refer to WI-PRO-CNC-017 for Wire and Strip Length Tolerance 3. Refer to GL-PRO-ASY-028 for Pull-Push procedure.
3		<u>/2</u>	Wire insertion to N6GR VM tube (Sunprene) Ø6.5 L=157±2mm	L R	R	1. Get the N6GR VM tube (Sunprene) Ø6.5 L=157±2mm using left hand and transfer to right hand. Hold the wires using left hand and insert the wires using right hand.	N/A	No wrong usage of parts No deformed terminal No tangled wires

				WORK INSTRU	CTION		Effectivity Date:		June 6,	2023
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		Model Code/Part Number	YDB /	75S324-0010	Customer:	TRJ	Document No.:		WI-ENG-PI	DE-609A
		Purpose:	PROTOTYF	PE	PRE-LAUNCH	MASSPRO	Revision No.:		2 Page No.:	3 of 8
PARTS:		S 0.3 P wire L=188±2mm; G	6 wire L=188±2mm; L		EDURE/ ILLUSTR		TOOLS/	JIG PPE	1. Insertion jig QUALITY P	OINTERS
4	P1	Wire insertion to Connector PBVP-10V-S (W)	1 2 3 4 S	ENCE FROM LEFT TO	WIRE INSER	TION ILLUSTRATION 5 6 7 8 9 10 LG X GR X B 188 188 188 188 Interpretation 1. Get the P wire using right hand and insert to connector. Repeat the process for G-LG-GR-B wires. Check the wire after insertion. Note: Follow the insertion sequence based on the above illustration.	STEERIN NAVIGAT CONTROL	IG ION	1. Use provided jig p 2. No wrong usage of 3. One by one insertion 5. No deformed term 6. No stuck of terminal 1. Please hold the waterminal during inserted. Conduct E Push after insertion Do not exert extra j Document Referen 1. Refer to WI-ENG-Steering Navigation of procedure. 2. Refer to WI-PRO-Cand Strip Length Tole 3. Refer to GL-PRO-A Push procedure.	per model of parts ion n ninal nal tip ers/Note/s: wire near ertion. are properly Pull-Push-Pull- n. force. ces: PDE-044 for Controller erance

NIDA	WORK INSTRUCTION	Effectivity Date:	June 6, 2023
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Model Code/Part Number	YDB / 75S324-0010 Customer: TRJ	Document No.:	WI-ENG-PDE-609A
Purpose:	□ PROTOTYPE □ PRE-LAUNCH ■ MASSPRO	Revision No.:	2 Page No.: 4 of 8
PARTS: 1. Blue VM tube (Sunprene) Ø6.5	L=152±2mm	JIG	1. Insertion jig
NO. PROCESS NAME	2 WORK PROCEDURE/ ILLUSTRATION	TOOLS/PPE	QUALITY POINTERS
Wire insertion to Blue VM tube (Sunprene) Ø6.5 L=152±2mm	1. Get the Blue VM tube (Sunprene) Ø6.5 L=152±2mm using right hand. Hold the wire using left hand then insert the wires. 2. Press the Upper button using left hand. Remove the 1st connector with inserted wires and N6GR VM tube (Sunprene) using right hand. Note: Second connector with inserted wire and Black VM tube (Sunprene) will stay in the jig. 4. Press the Lower button using right hand. Holes that need to be insert are only open.	N/A	Terminal tip must be visible Document References: 1. Refer to GL-PRO-ASY-025 for Inspection Standard for Coupler Insertion. 1. No wrong usage of parts 2. No deformed terminal 3. No tangled wires

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		Purpose:] PROTOT	YPE	PRE-LAUNCH	MASSPRO	Revision No.:		2	Page No.:	5 of 8
PARTS:	1. Assy	parts			\wedge				JIG	1. Insert	tion jig	
NO.	Р	ROCESS NAME			2 WORK PRO	CEDURE/ ILLI	JSTRATION	TOOLS	PPE	Q	UALITY F	OINTERS
6	P1	Wire insertion to assy parts	usi fro	ng left har	lue VM tube (Sunprene) and and insert the wires to tube (Sunprene) and.		75S324-0010 J1-A	N/A		2. No de	rong use of performed termingled wires	

		WORK INSTRUCTION	Effectivity Date:	June 6, 2023
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	Model Code/Part	umber YDB / 75S324-0010 Customer: TRJ	Document No.:	WI-ENG-PDE-609A
	Purpose:	☐ PROTOTYPE ☐ PRE-LAUNCH ☐ MASSPRO	Revision No.:	2 Page No.: 6 of 8
PARTS:	1. Assy parts	WORK PROCEDURE (III LICERATION		1. Insertion jig
NO.	PROCESS NAM	2 WORK PROCEDURE/ ILLUSTRATION	TOOLS/PPE	QUALITY POINTERS
7	Wire insertion P1 Connecto PBVP-10V-S	K L N		1. Use provided jig per model 2. No wrong usage of parts 3. One by one insertion 4. No wrong insertion 5. No deformed terminal 6. No stuck of terminal tip Important reminders/Note/s: 1. Please hold the wire near terminal during insertion. 2. Make sure wires are properly inserted. Conduct Pull-Push-Pull-Push after insertion. Do not exert extra force. Document References: 1. Refer to WI-ENG-PDE-044 for Steering Navigation Controller procedure. 2. Refer to WI-PRO-CNC-017 for Wire and Strip Length Tolerance 3. Refer to GL-PRO-ASY-028 for Pull-Push procedure.

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			WORK INSTR	UCTION		Effectivity Date:	June 6, 2023
Process Name/Title:			TAPING A	SSEMBLY PRO	CESS	Validity Date:	n/a
Model Code/Part Numbe	YDB	1	75S324-0010	Customer:	TRJ	Document No.:	WI-ENG-PDE-609A
Purpose:	☐ PI	ROTOTY	PE	PRE-LAUNCH	MASSPRO	Revision No.:	2 Page No.: 7 of 8

1. Assy parts PARTS: 3. AVSS 0.5 L L=131±2mm JIG n/a 2. White VM tube (Sunprene) Ø3 L=110±3mm **PROCESS NAME WORK PROCEDURE/ILLUSTRATION** TOOLS/PPE **QUALITY POINTERS** NO. AFTER FOLDING BEFORE FOLDING 1. No deformed terminals 2. No tangled wires 8 Wire arrangement n/a 1. Hold the assy parts using both hands then 3. No wrong facing conduct wire arrangement. Terminal tip is not visible P1 11mm $/\mathbf{2}^{\setminus}$ R **MEASURING TAPE** Wire insertion to Peel-off wire should be covered by White VM tube 9 Sunprene tube (White) 6789 1123456789 2. Measure the VM tube (Sunprene) up (Sunprene) 1. Get the Blue wire using right hand and insert to the tip of the terminal, it should be Ø3 L=110±3mm to White VM tube (Sunprene) Ø3 L=110±3mm 11mm. Important Reminder/Note/s: 1. Please use calibrated/verified measuring tape when getting the measurement.

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Model Code/Part Numbe	YDB / 75S3	324-0010 Customer:	TRJ	Document No.:	WI-ENG-PD	E-609A
Purpose:	☐ PROTOTYPE	PRE-LAUNCH	MASSPRO	Revision No.:	2 Page No.:	8 of 8
					1	
: n/a				JIG	n/a	
			(D. 2.1) III 6			
		2 QUALITY CHECK	KPOINTS			
P1		75 S32	24-0010			
		7000.	- 1 0020			
		Blue VN	Л tube (Sunprene)	(2)(3)(4)		
other 1888	(3)	Bide VIV	rtube (sumpreme)	234		
<i>60</i> 6 - 244 - 2			N. S.			
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					500 NG	
			S. Marine S. Commission of the			
		N6GF	R VM tube (Sunprene)	(2)		
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	(5)		Harris Andrew			
		The Day of		Manual State of the State of th		
		White VM	tube (Sunprene)			
1 No lotovskovskovskovskovskovskovskovskovskovsk						
$oldsymbol{1}$ No Interchange of	VIVI TUDE COIO	or (3) No Tangle	d wires	(5) No Missing	g Blue wire	with
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3		A No Backin	g out of terminal	Sunprene	tube (w)	
/ No Wrong Incort		· · · · · · · · · · · · · · · · · · ·	ie vul vi leiiiiilai	l		
2) No Wrong Insert		110 2001111	B care or communication			