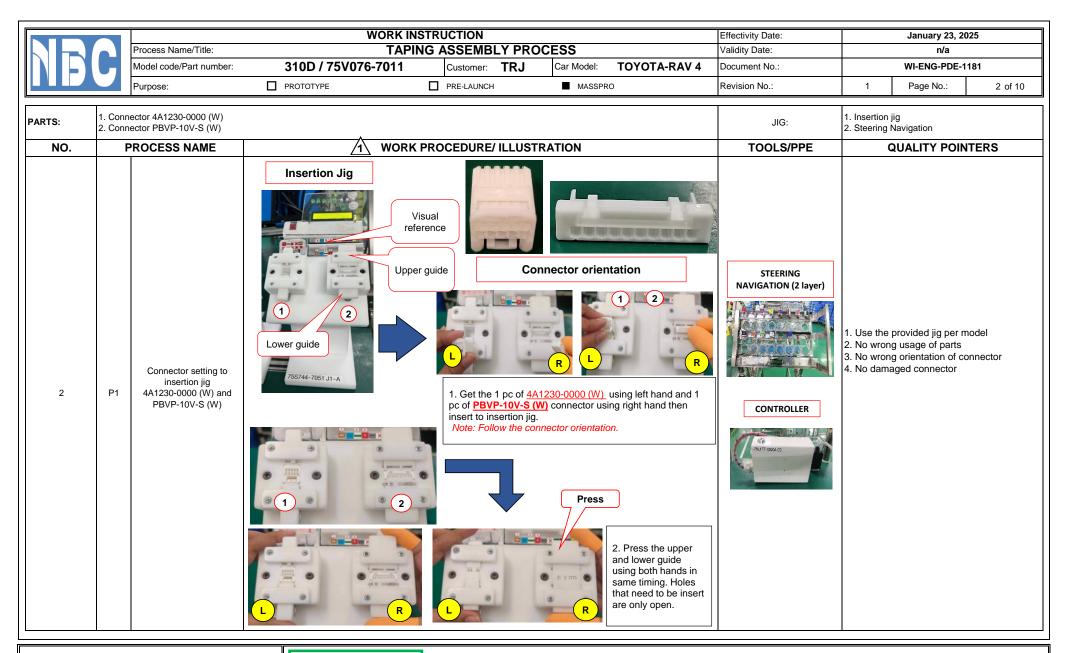
				WORK INSTRUCTION					Effec	-		January 23, 20	25	
			Process Name/Title:	TAPING ASSEMBLY PROCESS			Valid	ity Date:		n/a				
			Model code/Part number:	310D / 75V076-7011	Customer: TF	RJ Car Model:	TOYO	TA-RAV 4	Docu	iment No.:		WI-ENG-PDE-1	181	
			Purpose:	PROTOTYPE	☐ PRE-LAUNCH	MASS	PRO		Revis	sion No.:	1	Page No.:	1 of 10	
PARTS:		(W); Co	nnector 4A1230-0000 (W); A	SV tube (Vinyl) Ø3, L=71±3mm, Sky blue ta VSS 0.3 R L=166±2mm; W/G L=168±2mm	; BR L=172±2mm.		; Connector	r PBVP-10V-S		JIG:	1. Insertion 2. Steering	Navigation		
N	0.	PROCESS NAME /1 WORK PROCEDURE/ ILLUSTRAT				LUSTRATION			TOOLS/PPE			QUALITY POINTERS		
1	1	P1	Table lay-out	Master sample Insertion jig	Assy pa (GR/B wire wi SV tube (Vir L=71±3mm, S	arts ith White nyl) Ø3,	2±3mm	2 Layer Navigation	p (afety Instruction Be sure to wear required personal rotective equipmed during operation (gloves, finger cotsetc.) Housekeeping Maintain and alway practice 5's. Personal things the workplace is prohibited. Keep it your locker. Alert level or any trouble, inforce Assembly Assist Supervisor or Line eader for immedia corrective action.	1. Refer Strip Let 2. Refer assemble 2. No wron 2. No w	tent reference/sto Wi-PRO-CNC-(gth Tolerance to Wi-ENG-PDE-1) process (Pre-ass)	117 for Wire and 151 for Taping	
					230-0000 (W)/			Вох						
	I			Revision History			T	<u> </u>		Prepared by	Reviewed by	Approved by	Noted by	
										1				
01/23/25	1	Change di Additiona	rom Pre-launch to Masspro. Up al table lay-out	date the Work Procedure/Illustration (Provide isn	nertion jig and Steering navi	igation); M. Ariola	C. Villanueva	A. Arañes	n/a	Muly	1/1-14	Alm		
12/04/24	0	Initial iss	ue.			M. Ariola	C. Villanueva	A. Arañes	n/a	M. Ariola	C. Villanueva	A. Arañes	n/a	
Eff. Date	Rev. No			Details of Change		Revised	Reviewed		Noted		December 04, 2024	,	. 17 🖦	



			WORK INS	TRUCTION			Effectivity Date:		January 23, 20	25
		Process Name/Title:	Validity Date:	n/a						
		Model code/Part number:	310D / 75V076-7011	Customer: TRJ	Car Model:	TOYOTA-RAV 4	Document No.:		WI-ENG-PDE-1	181
		Purpose:	☐ PROTOTYPE	PRE-LAUNCH	MASSPF	RO	Revision No.:	1	Page No.:	3 of 10
PARTS:	1. AVSS	0.3 R L=166±2mm; W/G L=	168±2mm; BR L=172±2mm				JIG:	1. Insertion 2. Steering		
NO.	F	ROCESS NAME	<u>√</u> 1 WORK P	ROCEDURE/ ILLUS	TRATION		TOOLS/PPE	(QUALITY POIN	TERS
3	P1	Wire insertion to Connector 4A1230-0000 (W)	1. Get the R wire using left hand and tror W/G and BR wires. Check the wire Note: Follow the insertion sequence be	W 1 R 166 X ransfer to right hand then after insertion.	2 W/G 168 X X	X X		2. No wron 3. One by 0 4. No wron 5. No defoi 6. No stuck Importan 1. Make inserted Push aft Do not e 2. Pleass during it 3. Auton the unit terminal half-lock 4. Insert to right. Docume 1. Refer Wire an 2. Refer Steering procedt 3. Refer	med terminal to of terminal tip ant reminders/Not a sure wires are p l. Conduct Pull-Pi ter insertion. exert extra force. the hold the wires insertion. matically dispose if, once encounte if, difficulty of insertion ion of wires mus ant reference/s: to WI-PRO-CNC d Strip Length To to WI-ENG-PDE- g Navigation Con	e/s: roperly ush-Pull- near terminal and replace ored bend ertion and t be from left -017 for olderance. 044 for troller

	_		WORK IN	STRUCTION			Effectivity Date:		January 23, 20	25
		Process Name/Title:		NG ASSEMBLY PROC	CESS		Validity Date:		n/a	
		Model code/Part number:	310D / 75V076-7011	Customer: TRJ	Car Model:	TOYOTA-RAV 4	Document No.:		WI-ENG-PDE-1	181
		Purpose:	☐ PROTOTYPE	PRE-LAUNCH	■ MASSPF	RO	Revision No.:	1	Page No.:	4 of 10
PARTS:		SV tube (Vinyl) ø4.5, L=132:			ATION		JIG:	1. Insertion 2. Steering	Navigation	TED0
NO.	F	PROCESS NAME	<u>∕1</u> \ WORK	PROCEDURE/ ILLUSTR	ATION		TOOLS/PPE	(QUALITY POIN	TERS
4	P1	Wire insertion to Black SV tube (Vinyl) ø4.5, L=132±3mm	1. Get the Black SV tube (Vinyl) Ø4. then insert the wires. L R 2. Press the Upper and lower guide burwires using right hand.	L X X X R	L	vire using left hand	STEERING NAVIGATION	2. No wron 3. One by 6 4. No wron 5. No defoi 6. No stuck Importar 1. Make inserted. Push afte Do not ei 2. Please during in 3. Autom the unit i terminal, half-lock 4. Inserti to right. Docume 1. Refer and Stri 2. Refer Steering	med terminal tip of terminal t	e/s: coperly csh-Pull- ear terminal and replace red bend rtion and be from left 017 for Wire cce. 044 for troller

			WORK INSTRUC	CTION		Effectivity Date:		January 23, 20	25
		Process Name/Title:	TAPING AS	Validity Date:	n/a				
	H	Model code/Part number:		ustomer: TRJ Car Model:	TOYOTA-RAV 4	Document No.:		WI-ENG-PDE-1	181
		Purpose:	☐ PROTOTYPE ☐ PF	RE-LAUNCH MASS	PRO	Revision No.:	1	Page No.:	5 of 10
PARTS:	1. Assy						1. Insertion 2. Steering	Navigation	
NO.	F	PROCESS NAME	<u>∕1</u> WORK PROC	EDURE/ ILLUSTRATION		TOOLS/PPE		QUALITY POIN	_
5	P1	Wire insertion to Connector PBVP-10V-S (W)	INSERTION SEQUENCE FROM LEFT TO RIGHT 1 2 3 BR	n W/G and R wires.	7 8 9 10 X X X X		2. No wron 3. One by 4. No wron 5. No defo 6. No stuck Importar 1. Make inserted. Push afte Do not e. 2. Please during in 3. Autom the unit i terminal, half-lock 4. Inserti to right. Docume 1. Refer i and Strip 2. Refer i Steering procedui 3. Refer i 4. Refer i 4. Refer i	rmed terminal c of terminal tip at reminders/Note sure wires are pr Conduct Pull-Pu er insertion. cert extra force. In hold the wires in sertion. actically dispose of fonce encounter difficulty of inse ed connector. on of wires must at reference/s: to WI-PRO-CNC-Co Length Toleran to WI-ENG-PDE-O Navigation Conties. on GL-PRO-ASY-Co cedure. on GL-PRO-ASY-Co con Standard for c	e/s: roperly rsh-Pull- rear terminal and replace red bend rition and be from left 017 for Wire ree. 144 for roller 029 for Pull-

			WORK INSTRUC	CTION			Effectivity Date:		January 23, 202	25
		Process Name/Title:	TAPING AS	SSEMBLY PROC	ESS		Validity Date:		n/a	
		Model code/Part number:	310D / 75V076-7011	Customer: TRJ	Car Model:	TOYOTA-RAV 4	Document No.:	1	WI-ENG-PDE-11	81
		Purpose:	☐ PROTOTYPE ☐ P	RE-LAUNCH	■ MASSPRO		Revision No.:	1	Page No.:	6 of 10
PARTS:		parts (GR/B wire with White						1. Insertion j 2. Steering N	Navigation	
NO.	F	PROCESS NAME	/1\ WORK PROC	EDURE/ ILLUSTRA	ATION		TOOLS/PPE	S/PPE QUALITY POINTERS 1. Use provided jig per model		
			INSERTION SEQUENCE FROM LEFT TO RIGHT	2 tonic po	TE	RMINAL FACING		 No wrong One by c No wrong No defor 	g usage of parts one insertion	
			BR X W/6 R 444 X X X X	WIRE INSERTION ILLUSTRATION 1 2 3 4 5 6 7 8 9 10 BR X W/G R GR/B X X X X X X 172 168 166 120 X X X X X			STEERING NAVIGATION (2 layer)	Important reminders/Note/s: 1. Make sure wires are properly inserted. Conduct Pull-Push-Pull-Push after insertion. Do not exert extra force. 2. Please hold the wires near terminal during insertion.		
5	P1	Wire insertion to Connector PBVP-10V-S (W) (Continuation)	L R	L	R		CONTROLLER	3. Automothe unit if terminal, half-locked. Insertic to right. Documer 1. Refer to and Strip 2. Refer to Steering procedur. 3. Refer to Push product.	atically dispose a f once encountered difficulty of inser- ed connector. on of wires must l at reference/s: o WI-PRO-CNC-01 Length Tolerance o WI-ENG-PDE-04 Navigation Control e o GL-PRO-ASY-02 cedure. o GL-PRO-ASY-02 on Standard for co	ed bend tion and be from left 17 for Wire e. 14 for oller 29 for Pull-
			2. Press the Lower button using right hand slot for GR/B will be open.	3. Get the assy parts Sky blue tape) using the middle of wire ar to connector. Check Note: Follow the in illustration.	g right hand. Po nd tube, slightly the wire after in	sition the finger in pinch while inserting nsertion.				

			WORK IN	NSTRUCTION		Effectivity Date:		January 23, 202	25			
		Process Name/Title:	TAPING ASSEMBLY PROCESS Validity Date:					n/a				
		Model code/Part number:	310D / 75V076-7011	Customer: TRJ	Car Model: TOYOTA-RAV	Document No.:		WI-ENG-PDE-11	81			
		Purpose:	☐ PROTOTYPE	PRE-LAUNCH	MASSPRO	Revision No.:	1	Page No.:	7 of 10			
PARTS:	1. Assy	parts				JIG:	1. Insertion 2. Steering					
NO.	F	ROCESS NAME	∕ı\ wor⊦	TOOLS/PPE	QUALITY POINTERS							
5	P1	Wire insertion to Connector PBVP-10V-S (W) (Continuation)	Proper alignment of te BACK VIEW OF TERMINAL GOOD Terminal condition Note: *Make sure the terminal was in p *Avoid hitting the terminal into the attention of Immediate supe	FRONT OF TERMINAL GOOD Terminal condition proper alignment before inserted connector during wire in	sertion, if encountered abnormalingsed and replace the unit. 4. Phan righ	FRONT VIEW OF TERMINAL NO GOOD Terminal codition	2. No wron 3. One by 0 4. No wron 5. No defor 6. No stuck Importan 1. Make inserted. Push afte Do not ee 2. Please during in 3. Autom the unit i terminal, half-lock 4. Insertit to right. Documel 1. Refer t and Strip 2. Refer t Steering procedur 3. Refer t Push pro 4. Refer t Inspection	rmed terminal to of terminal tip at reminders/Note sure wires are pro Conduct Pull-Pus er insertion. tert extra force. In hold the wires no sertion. attically dispose a f once encounterd difficulty of insert ed connector. on of wires must att reference/s: to WI-PRO-CNC-0 Length Toleranc to WI-ENG-PDE-0 Navigation Contree. To GL-PRO-ASY-0 to GL-PRO-ASY-0 to GL-PRO-ASY-0 to GL-PRO-ASY-0 to Standard for co	ear terminal and replace ed bend tion and be from left 17 for Wire e. 14 for coller 29 for Pull-			

