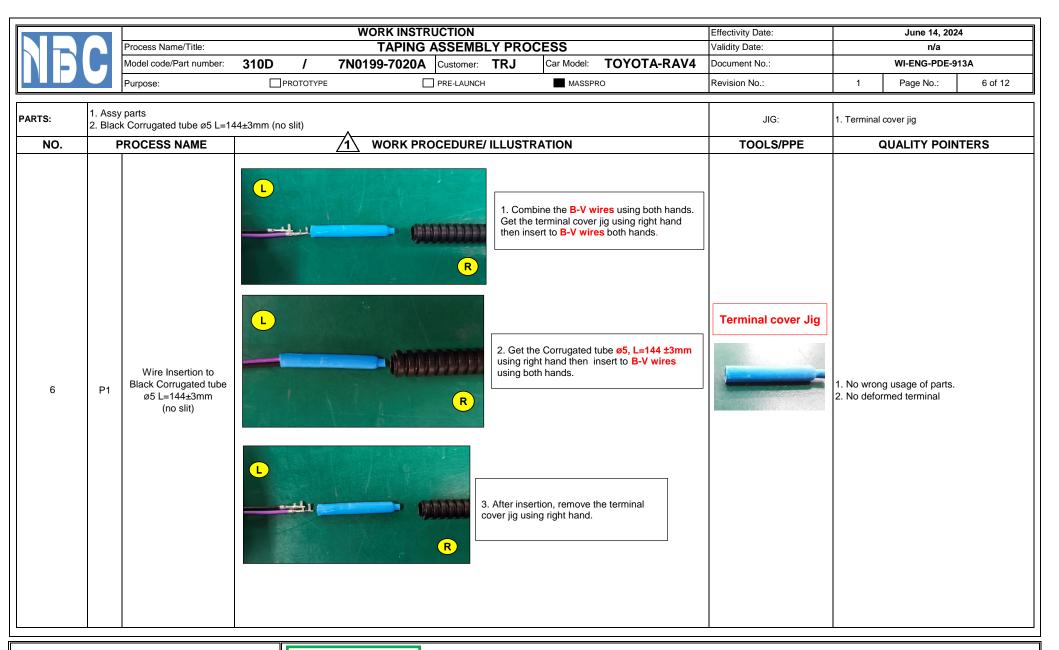
			WORK INSTRUCTION		Effectivity Date:	June 14, 2024
		Process Name/Title:	TAPING ASSEMBLY PRO	CESS	Validity Date:	n/a
	N.	Model code/Part number:	310D / 7N0199-7020A Customer: TRJ	Car Model: TOYOTA-RAV4	Document No.:	WI-ENG-PDE-913A
		Purpose:	PROTOTYPE PRE-LAUNCH	MASSPRO	Revision No.:	0 Page No.: 1 of 12
PARTS:	L	=144±3mm (no slit); Connector =461±3mm (no slit)	VSSf 0.3 wires Violet L=768±3mm; AVSSf 0.3 wires Black L=768±3mr; 6098-3810 (W); AVSSf 0.3 wires Green L=659±3mm; Connector 6098	8-3810 (W); Black Corrugated tube ø5	JIG:	Insertion jig with & without switch cover Terminal cover jig Locking jig
NO.		PROCESS NAME	<u>√1</u> WORK PROCEDURE/ ILLUSTI	RATION	TOOLS/PPE	QUALITY POINTERS
1		P1 Table lay-out	Violet L. AVS wires		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.	1. No missing parts/tools 2. No excess parts/tools Document references: 1. Refer to WI-PRO-CNC-017 for Wire Strip lenght tolerance. CONNECTOR ILLUSTRATION GOOD NG GOOD OGENICATION GOOD OGENICATIO OGENICATION GOOD OGENICATION GOOD OGENICATION GOOD OGENICATION
			Revision History		Prepared by Re	eviewed by Approved by Noted by
	_			+ + +		
06/14/24	1 C	hange purpose from Pre-launch to Mass	spro. Additional table lay-out; Visual Inspectios/ Quality Checkpoints.	M. Ariola C.Villanueva A. Arañes	n/a Malul	1/hit Alman
		nitial issue		M. Ariola C.Villanueva A. Arañes M. Ariola C.Villanueva A. Arañes	(1)	Villanueva A.Arañes n/a
Eff. Date Rev.	. No		Details of Change		1 1 /	5, 2024
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ONFIDENT	1Δ1 · Δ	ny misuse or misannronriation	including			

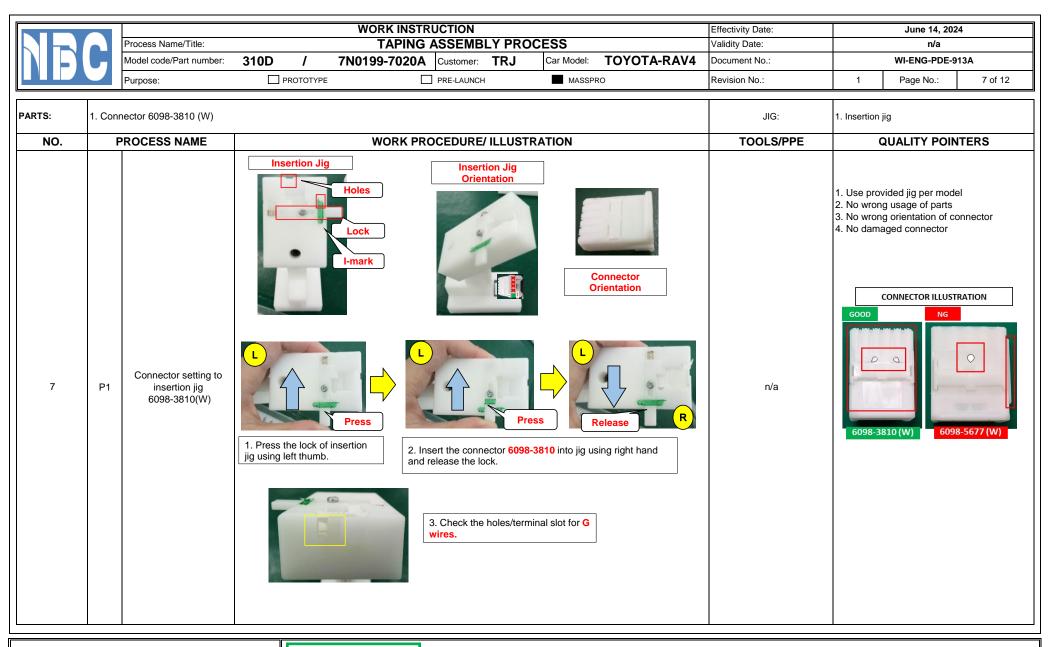
				WORK INSTR	RUCTION			Effectivity Date:		June 14, 202	4
		Process Name/Title:		TAPING	ASSEMBLY PRO	CESS		Validity Date:		n/a	
		Model code/Part number:	310D /	7N0199-7020A	Customer: TRJ	Car Model:	TOYOTA-RAV4	Document No.:		WI-ENG-PDE-9	13A
		Purpose:	PROTOTYPE	[PRE-LAUNCH	MASSPI	RO	Revision No.:	1	Page No.:	2 of 12
PARTS:		nector 6098-3802 (W)		WORK DR	OCEDURE/ ILLUST	DATION		JIG:		n jig with switch co	
NO.	<u> </u>	ROCESS NAME		WORKER	OCEDORE/ IEEO311	KATION		TOOLS/FFL		ng use of connecto	
2	P1	Connector setting to insertion jig 6098-3802 (W)	1. Press the lock of using left thumb.	h	INSERTION JIG OF Press 2. Insert the connector 60 and and release the lock lote: Follow the connector 60 lote: Follow the con	198-3802 (W) ir k. ctor orientatio			2. No dam 3. No wrot 4. No loose 5. One by 6. No defo 7. No wron 1. Please 2. Make sinserted. after insuponot e. 1. Refer is Strip lengush-pui	aged connector ng insertion of wire insertion one insertion one insertion rimed terminal ng wire facing apportant reminde a hold the wire ne sure wires are procedured to WI-PRO-CNC-light tolerance. CONNECTOR ILLUST	es r's/Note: ear terminal. operly ush-Pull-Push ences: 017 for Wire 029 for pull-

			WORK IN	STRUCTION			Effectivity Date:		June 14, 202	4
		Process Name/Title:		NG ASSEMBLY PRO	CESS		Validity Date:		n/a	
		Model code/Part number:	310D / 7N0199-702	0A Customer: TRJ	Car Model:	TOYOTA-RAV4	Document No.:		WI-ENG-PDE-9	13A
		Purpose:	□ PROTOTYPE	□PRE-LAUNCH	MASSPF	90	Revision No.:	1	Page No.:	3 of 12
PARTS:		Sf 0.3 wires Violet L=768±3 Sf 0.3 wires Black L=768±3					JIG:	1. Insertior	n jig with switch co	ver
NO.	F	PROCESS NAME	WORK	PROCEDURE/ ILLUSTR	RATION		TOOLS/PPE	(QUALITY POIN	TERS
3	P1	Wire insertion to connector 6098-3802 (W)	1. Hold the insertion jig using left hand. Get the Violet wire then insert to terminal slot 1 using right hand. 2 Black wire R 3. Get the Black wire then insert to terminal slot 2 using right hand.	2. Press the buslot for Black with the pull out the corhand.	Press On, push the logn hold the wire	ck using left as and gently	n/a	2. No dam. 3. No wron 4. No loose 5. One by 6. No defo 7. No wron 1. Please 2. Make s inserted. after inse Do not ex 2. Refer t push-pul	portant reminder hold the wire new hold the wire new hold the wire new hold the wire new hold the wire are propertion. Series wires wires are propertion. Series wires wires are propert	e's/Note: ear terminal. operly ush-Pull-Push nces: 017 for Wire

					WORK INSTRI					Effectivity Date:		June 14, 202	24	
		Process Name/Title:		<u> </u>	TAPING A	ASSEMB	LY PRO	CESS		Validity Date:		n/a		
		Model code/Part number:	310D	1	7N0199-7020A	Customer:	TRJ	Car Model:	TOYOTA-RAV4	Document No.:		WI-ENG-PDE-9	13A	
		Purpose:	P	PROTOTYPE		PRE-LAUNCH	+	MASSP	RO	Revision No.:	1	Page No.:	4 of 12	
PARTS:	1. Assy									JIG:	1. Locking jig			
NO.	P	ROCESS NAME			WORK PRO	CEDURE	/ ILLUSTI	RATION		TOOLS/PPE	(QUALITY POIN	ITERS	
4	P1	Connector lock	3. Press tright hand Right Left 5. Lift then	Right thur Left thum the lower p d while left thum the thumb-mit t	arts of connector using hand holding the middle Reddle G. Er the connector in	hasure that co	I. Press the land while lead onnector is	Right thumb- Left thumb-nupper part of ceft hand holding	of connector to fully	LOCKING JIG	2. No unlocation important and a second and	00D	vonnector Note/s: y caused k.	

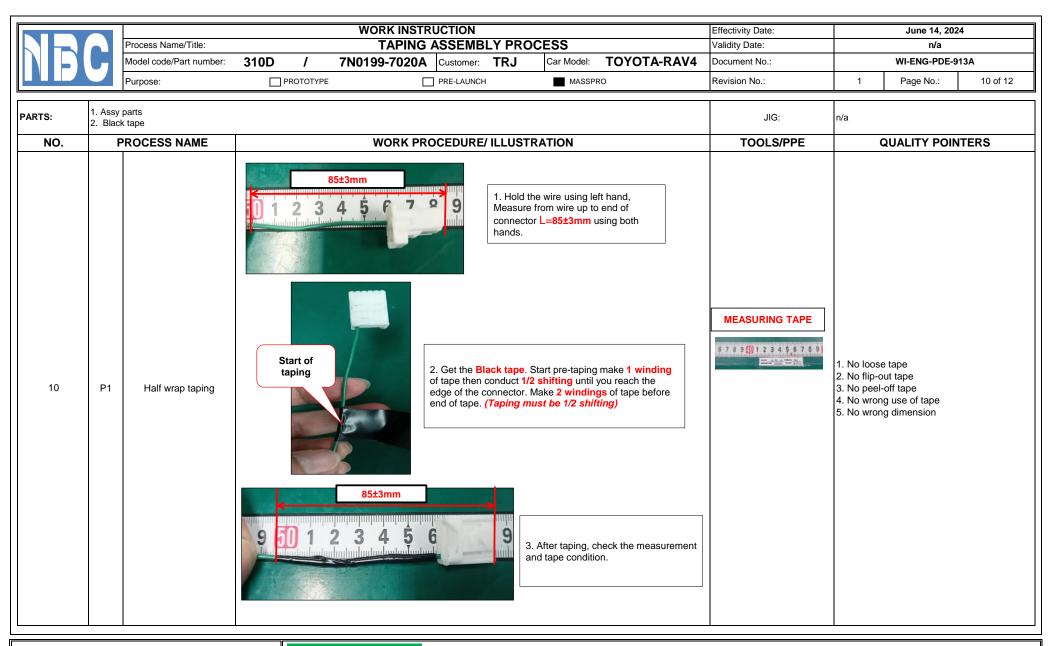
				WORK INSTRUCTION	<u> </u>			Effectivity Date:		June 14, 202	4
		Process Name/Title:		TAPING ASSEM		ESS		Validity Date:		n/a	
		Model code/Part number:	310D /	7N0199-7020A Custome	er: TRJ	Car Model:	TOYOTA-RAV4	Document No.:		WI-ENG-PDE-9	13A
		Purpose:	PROTOTYPE	PRE-LAU	NCH	MASSPF	२०	Revision No.:	1	Page No.:	5 of 12
	l										
PARTS:	1. Assy 2. Black	tape						JIG:	n/a		
NO.	F	PROCESS NAME		WORK PROCEDUR	RE/ ILLUSTR.	ATION		TOOLS/PPE	(QUALITY POIN	TERS
5	P1	Taping 1 Black Corrugated tube to wire near connector	97	1. Get the Black tape assy parts using left haping using both han 25±3mm R 25±3mm 0-5mm R	2. Measure ti connector 25 process usia	the end of CO ⁻ ±3mm then ong both hand	9	water year or the state of the	1. No loose 2. No flip-c 3. No peel 4. No wror	e tape out tape	verified





		1		WORK INSTRUCTION				Effectivity Date:		luna 44, 202	4
		Process Name/Title:		TAPING ASSEMBI	V DDO	CESS		Validity Date:		June 14, 202 n/a	+
			040D /				TOVOTA DAVI	•			40.4
	7	Model code/Part number:	310D /	7N0199-7020A Customer:	IKJ	Car Model:	TOYOTA-RAV4	Document No.:		WI-ENG-PDE-9	13A
		Purpose:	☐ PROTOTYPE	☐ PRE-LAUNCH		MASSPI	RO	Revision No.:	1	Page No.:	8 of 12
PARTS:		nector 6098-3810 (W) Sf 0.3 wires Green L=659±	3mm					JIG:	n/a		
			Sillili								
NO.		PROCESS NAME		WORK PROCEDURE/	ILLUSTF	RATION		TOOLS/PPE		QUALITY POIN	
8	P1	Wire insertion to Connector 6098-3810 (W)	L	CONNECTOR ORIENTATION	1. Get the of connect push pull a	Green wire and tor using right hafter wire insertion, pus and then hold	FACING and insert to Slot 1 hand. Conduct 2x		1. No wron. 2. No dama 3. No wror 4. No loose 5. One by 0 6. No defor 7. No wron. 1. Please 2. Make s inserted. after insee Do not ex 5. Strip leng 2. Refer to	g use of connector aged connector insertion one insertion med terminal g wire facing cortant reminder hold the wire nector of the conduct Pull-Pul-Pul-pul insertion one insertion in the conduct Pull-Pul-pul insertion of the conduct Pull-Pull-pul insertion of the conduct Pull-pull-pull-pull-pull-pull-pull-pull-	es 's/Note: ar terminal. operly ssh-Pull-Push nces: 117 for Wire

				WORK INSTRUCTION				Effectivity Date:		June 14, 202	4
		Process Name/Title:		TAPING ASSEME	SLY PRO	CESS		Validity Date:		n/a	
		Model code/Part number:	310D /	7N0199-7020A Customer:	TRJ	Car Model:	TOYOTA-RAV4	Document No.:		WI-ENG-PDE-9	13A
		Purpose:	PROTOTYPE	PRE-LAUNC	Н	MASSPI	RO	Revision No.:	1	Page No.:	9 of 12
PARTS:	1. Assy							JIG:	1. Locking j		
NO.	F	PROCESS NAME		WORK PROCEDURE	/ ILLUST	RATION		TOOLS/PPE	(QUALITY POIN	TERS
9	P1	Connector lock	L	R R R acconnector is in locked condition by the illustrated. Before Pressing	Touch the properly	ne connector loc locked.	R etor lock based	LOCKING JIG	1. Manudamage	ant reminders/No	ause



				WORK INSTRUCTION			Effectivity Date:		June 14, 2024	
		Process Name/Title:		TAPING ASSEMBL	Y PROCESS		Validity Date:		n/a	
		Model code/Part number:	310D /	7N0199-7020A Customer:	TRJ Car Model:	TOYOTA-RAV4	Document No.:		WI-ENG-PDE-91	3A
		Purpose:	PROTOTYPE	PRE-LAUNCH	MASSPR	0	Revision No.:	1	Page No.:	11 of 12
PARTS:	1. Assy 2. Black	parts Corrugated tube ø5 L=461±3	Bmm (no slit)	3. Black tape			JIG:	1. Terminal	cover jig	
NO.	Р	ROCESS NAME		WORK PROCEDURE/ I	LLUSTRATION		TOOLS/PPE	C	QUALITY POIN	ΓERS
11	P1	Wire Insertion to Black Corrugated tube ø5 L=461±3mm (no slit)		R	1. Combine the B-V-G hands. Get the termina hand then insert to B-V 2. Get the Corrugated to using right hand then in using both hands. 3. After insertion, remover jig using right hands.	al cover jig using right -G wires both hands. ube ø5, L=461±3mm nsert to B-V-G wires ove the terminal	Terminal cover Jig		g usage of parts. med terminal	

WORK INSTRUCTION Process Name/Title: TAPING ASSEMBLY PROCESS	Effectivity Date: Validity Date:		June 14, 2024 n/a	
Model code/Part number: 310D / 7N0199-7020A Customer: TRJ Car Model: TOYOTA-RAV4 Purpose: PROTOTYPE PRE-LAUNCH MASSPRO	Document No.: Revision No.:	1	WI-ENG-PDE-91 Page No.:	12 of 12
PARTS: 1. Assy parts VISUAL INSPECTION/ QUALITY CHECKPOINTS	JIG:	n/a		
TAPING - P1 7N019	9 <mark>-7020</mark> /	4		
GOOD 2 3 Violet 10 Black X X X X			GO	
No Unlock/half-locked connector No Deformed terminal	I			
No wrong insert No Wrong insert	out			