WORK INSTRUCTION Effectivity Date:													November 15,	2023
			Process Name/Title:	TAPIN	G ASSEMBLY PRO	CESS			Valid	ity Date:			n/a	
			Model code/Part number:	310D / 7N0193-7020	Customer: TRJ	Car Model:	TOYO	TA RAV4	Docu	ment No.:			WI-ENG-PDE-7	756
			Purpose:	PROTOTYPE	PRE-LAUNCH	MASS	PRO		Revis	sion No.:		0	Page No.:	1 of 12
PARTS:			nector 6098-6663(B) Sf 0.3 wires Y-OR L=480±2	2mm						JIG:	n/	′a		
N	0.	P	ROCESS NAME	WORK F	ROCEDURE/ ILLUSTR	ATION				TOOLS/PPE		C	UALITY POIN	TERS
				CONNECTOR ORIENTATION	VISUAL REFERENCE		Wire fa		pr (9	Bafety Instruction Be sure to wear required personal otective equipme during operation gloves, finger cots etc.) Housekeeping Maintain and alwa	2. 3. 4. 5.	No wrong One by co No defor No wrong Important 1. Please	insertion g insertion me insertion med terminal g wire facing of reminders/Note chold the wire ne	ear terminal.
1		n/a	Wire Insertion to Connector 6098-6663 (B)	1. Hold the connector 6098-6663 (B) the the Yellow wire and insert to terminal susing right hand. Conduct 2x push-pull a wire insertion.	en get 2. Get the Orang		nsert to term		2.	Alert level r any trouble, info Assembly Assista Supervisor or Line adder for immedia corrective action.	on	Conduct insertion Do not e Docume 1. Refer Push pro 2. Refer	Pull-Push-Pull-I . xert extra force. nt references: to GL-PRO-ASY	-029 for Pull- -017 for Wire
				Revision History						1				
				Revision history				1		Prepared by	Revie	wed by	Approved by	Noted by
]				
						1	0.15			Otherwooder	1/out	Difform	SHOW	
11/15/23 Eff. Date		Initial issu	Je	Date its of Observe		A.Hernandez	C.Villanueva	A. Arañes	n/a	A.Hernandet	C.Villa		/ A (Arabbes	n/a
Eff. Date	Rev. No			Details of Change		Revised	Reviewed	Approved	Noted	Est. Date:	Novembe	er 15, 2023		

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		Process Name/Title:		G ASSEMBLY PRO	CESS	Validity Date:		n/a	020
		Model code/Part number:	310D / 7N0193-7020	Customer: TRJ	Car Model: TOYOTA RAV4			WI-ENG-PDE-7	'56
		Purpose:	□PROTOTYPE	PRE-LAUNCH	MASSPRO	Revision No.:	0	Page No.:	2 of 12
	1	<u> </u>					1	<u> </u>	
PARTS:	1. Assy	/ parts				JIG:	1. Locking	jig	
NO.	F	PROCESS NAME	WORK P	ROCEDURE/ ILLUSTR	RATION	TOOLS/PPE	(QUALITY POIN	TERS
2	n/a	Connector Lock	1. Put the connector into locking jig usi hand then press to lock 2x using both I	hands.	AFTER PRESSING	LOCKING JIG	2. No unloc	provided jig per cock/half-locked cons nt reminders/Not JAL LOCKING MA ED CONNECTOR	nector e/s: AY CAUSE

			WORK INST		Effectivity Date: November 15, 2023						
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		Model code/Part number:	310D / 7N0193-7020	Customer: TRJ	Car Model:	TOYOTA RAV4	Document No.:		WI-ENG-PDE-7	756	
		Purpose:	PROTOTYPE	PRE-LAUNCH	☐ MASSPF	RO	Revision No.:	0	Page No.:	3 of 12	
PARTS:		rparts k Corrugated tube ø5 L=39 k SV tube (vinyl) ø5 L=27±3		3. Connector 6098-38	871 (L)		JIG:	n/a			
NO.	F	PROCESS NAME	WORK PR	ROCEDURE/ ILLUST	RATION		TOOLS/PPE	(QUALITY POIN	TERS	
3		Wire Insertion to Black Corrugated tube ø5 L=399±3mm (no slit)	L	Get the Black Coslit) using right han	orrugated tube ø	95 L=399±3mm (no e Y-OR wires.	n/a	1. No wrong use of parts			
4		Wire Insertion to Black SV tube (vinyl) ø5 L=27±3mm	L	1. Get the Black \ right hand theb in			n/a	1. No wron	ng use of parts		
5	n/a	Wire insertion to connector 6098-3871 (L)	CONNECTOR 1. Hold the connector 6098-3871 (L) the the Yellow wire and insert to terminal susing right hand. Conduct 2x push-pull a wire insertion.	n get 2. Get the slot 4 usi	WIII	Orange wire Orange wire Refacing Orange wire Refacing Refacing Orange wire Provided the p	n/a	4. No defo 5. No wron Importan 1. Please 2. Make s inserted. Conduct insertion. Do not ex	ng insertion one insertion rmed terminal ng wire facing t reminders/Note hold the wire ne sure wires are pr Pull-Push-Pull-P tert extra force. Int references: to GL-PRO-ASY-6	ar terminal. operly u <u>sh</u> after	

			WORK INS	STRUCTION		Effectivity Date: November 15, 2023				
		Process Name/Title:	TAPIN	NG ASSEMBLY PR	OCESS		Validity Date:		n/a	
		Model code/Part number:	310D / 7N0193-7020	Customer: TRJ	Car Model:	TOYOTA RAV4	Document No.:		WI-ENG-PDE-7	'56
		Purpose:	PROTOTYPE	PRE-LAUNCH	☐ MASSPI	RO	Revision No.:	0	Page No.:	4 of 12
PARTS:	1. Assy 2. AVS	parts Sf 0.3 wires B L=223±2mm	[2pcs]	3. Connector 6098-	3871 (L)		JIG:	n/a		
NO.	P	ROCESS NAME	WORK	PROCEDURE/ ILLUS	TRATION		TOOLS/PPE	(QUALITY POIN	TERS
		Wire insertion to Black SV tube (vinyl) ø5 L=27±3mm (Assy parts)	1. Get the B-B wire L=27±3mm (Assy p	s and insert to Black SV to parts) using right hand.	ube (vinyl) ø5	R	n/a	1. No wron	g use of parts	
6	n/a	Wire insertion to connector 6098-3871 (L) (Assy parts	CONNECTOR ORIENTATION L Black 1. Hold the connector 6098-3871 (L) the 1st Black wire and insert to termina using right hand. Conduct 2x push-pull	nen get 2. Get th terminal	wire 2nd Black wire	hand. Conduct 2x	n/a	1. No loose insertion 2. No wrong use of parts 1. No loose insertion 2. No wrong insertion 3. One by one insertion 4. No deformed terminal 5. No wrong wire facing Important reminders/Note/s: 1. Please hold the wire near inserted. Conduct Pull-Push-Pull-Push insertion. Do not exert extra force. Document references: 1. Refer to GL-PRO-ASY-029 Push procedure. 2. Refer to WI-PRO-CNC-017 and Strip length tolerance.	ear terminal. roperly Push after 029 for Pull- 017 for Wire	

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		Process Name/Title:	TAP	ING ASSEMBLY PR	OCESS		Validity Date:		n/a	
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PARTS:	1. Assy	parts					JIG:	1. Locking	jig	
NO.	F	PROCESS NAME	WORK	(PROCEDURE/ ILLUS	TRATION		TOOLS/PPE	(QUALITY POIN	TERS
7	n/a	Connector Lock	connector using right hand while left hand holding the		Rig Le 5. Lift th	t of connector to king jig. R that thumb-middle reft thumb-middle reft thumb-middle right thumb-middle rig	LOCKING JIG	2. Use providamaged linguistration in the second se	ck and half-locked vided jig tools per ock. Int reminders/Not al locking may ca d connector	model to avoid

			WORK IN	STRUCTION			Effectivity Date: November 15, 202			2023
		Process Name/Title:	TAPII	NG ASSEMBLY	Y PROCESS		Validity Date:		n/a	
		Model code/Part number:	310D / 7N0193-7020	Customer:	TRJ Car Model:	TOYOTA RAV4	Document No.:		WI-ENG-PDE-7	756
		Purpose:	PROTOTYPE	PRE-LAUNCH	☐ MASSPE	RO	Revision No.:	0	Page No.:	6 of 12
PARTS:	1. Assy 2. Yello						JIG:	n/a		
NO.	F	ROCESS NAME	WORK	PROCEDURE/ II	LLUSTRATION		TOOLS/PPE	(QUALITY POIN	TERS
8	n/a	Taping 1 Black SV tube (vinyl) to Wire near connector	1. Hold the Black vinyl tube using let measure from end of vinyl tube up to 25±3mm. (Note: Without folding in Vinyl tube) 25±3mm 3. After taping, check to	ft hand and o connector oe) 0~5mm 25±3mm		pe using right g process using		5. No wron 6. No miss Importar 1. Use <u>Y</u> 2. Please	off tape e tape g dimension g use of tape ing tape ont reminders/Note ELLOW TAPE on e use calibrated/ing tape when get	ly verified



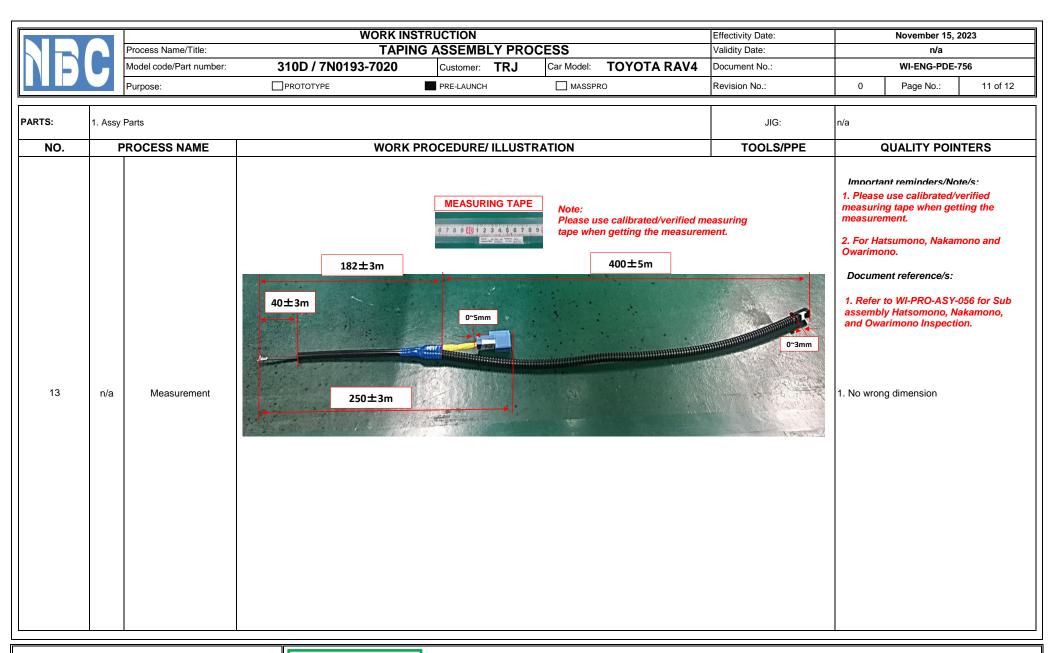
			WORK IN		Effectivity Date:		November 15, 2	023		
		Process Name/Title:		NG ASSEMBLY PR			Validity Date:		n/a	
		Model code/Part number:	310D / 7N0193-7020	Customer: TRJ	Car Model:	TOYOTA RAV4	Document No.:		WI-ENG-PDE-7	56
		Purpose:	PROTOTYPE	PRE-LAUNCH	☐ MASSPR	RO	Revision No.:	0	Page No.:	7 of 12
PARTS:	1. Assy 2. Yello 3. Black		±3mm				JIG:	n/a		
NO.		ROCESS NAME		PROCEDURE/ ILLUS	TRATION		TOOLS/PPE	(QUALITY POIN	TERS
9	n/a	Spot taping 1	L tape width 8	2. Get the Yello taping on the Bl	and me terminal and	taping, check the ement and taping	MEASURING TAPE	1. No flip-o 2. No peel- 3. No loose 4. No miss 5. No wron 6. No wron 1. Use Ye 2. Please	out tape -off tape e tape ing tape ng dimension ng use of tape at reminders/Note ellow TAPE only e use calibrated/ving tape when gette	0 - 1 mm
10		Wire insertion to Black SV tube (vinyl) Ø5 L=119±3mm		L=	Get the SV tube =119±3mm using sert the B-B wire	right hand then	n/a	1. No wron	ng use of parts	

			WORK INS		Effectivity Date:	November 15, 2023				
		Process Name/Title:	TAPIN	NG ASSEMBLY PRO	DCESS		Validity Date:		n/a	
		Model code/Part number:	310D / 7N0193-7020	Customer: TRJ	Car Model:	TOYOTA RAV4	Document No.:		WI-ENG-PDE-7	756
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PARTS:	1. Assy	tape						n/a		
NO.	I	PROCESS NAME	WORK	PROCEDURE/ ILLUST	TRATION		TOOLS/PPE	(QUALITY POIN	ITERS
11	n/a	Y-Taping	1. Fix the COT and vinyl tube. Main between. Pre-taping 3. Get the tape and fix the COT to vinyl tube. Make 1 wind pre-taping before shifting. 1/3 shifti	4. Make 1 shift wind the tape is width on vinyl to	tube up to termi 40±3mm.	pe width il tape width then		5. No wron 6. No wide 7. No expo Importar 1. Please measurin measurin 2. Use Y	out tape -off tape g use of tape g dimension interval between esed wire out reminders/Note a use calibrated/ ng tape when gen ment. ELLOW tape to e shifting. But acti	e/s: verified tting the asilv visualize



			WORK INS		Effectivity Date: November 15, 2023			2023		
		Process Name/Title:	TAPIN	IG ASSEMBLY PRO	CESS		Validity Date:		n/a	
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PARTS:	1. Assy 2. Blue	parts tape					JIG:	n/a		
NO.	F	PROCESS NAME	WORK I	PROCEDURE/ ILLUST	RATION		TOOLS/PPE		QUALITY POIN	ITERS
11	n/a	Y-Taping (Continuation)	the tape 2x then cut the	left until tape width then with the right until tape width one tape.	tap vinyl tube, wind	0±3mm 2 3 4 5		5. No wror 6. No wide 7. No expo Importa 1. Pleas measuri measuri 2. Use <u>y</u> visualize	out tape -off tape ng use of tape ng dimension interval between osed wire nt reminders/Not e use calibrated/ ing tape when ge	e/s: verified tting the easily g. But actual

			WODK INS	TRUCTION		Effectivity Date:	1	November 15, 2	003
		Process Name/Title:		G ASSEMBLY PRO	CESS	Validity Date:		n/a	.020
		Model code/Part number:	310D / 7N0193-7020	Customer: TRJ	Car Model: TOYOTA RA	-		WI-ENG-PDE-7	756
		Purpose:	□PROTOTYPE	PRE-LAUNCH	☐ MASSPRO	Revision No.:	0	Page No.:	10 of 12
		l					1	<u>'</u>	
PARTS:		embled parts neering sample				JIG:	n/a		
NO.	F	PROCESS NAME	WORK F	PROCEDURE/ ILLUST	RATION	TOOLS/PPE	(QUALITY POIN	TERS
12	n/a	Visual/By two's inspection	Assembled parts 1. Conduct alignment of harness(Engineering sample vs. Assembled parts) using both hands	2. Check the tern connector lock, and taping cond	A. Check the connector lock and insertion	ACTUAL PRODUCT 3. Check the Y- taping condition. 4. Check the terminal appearance. Must be no deformed terminal.		checking during in	



		WORK INSTR			Effectivity Date:		November 15, 2	2023
	Process Name/Title:	TAPING :	ASSEMBLY PRO		Validity Date:		n/a	
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PARTS: n/a					JIG:			
			QUALITY CHE	CKPOINTS				
n/a			7N01	.93-7020				
	5		4					
GOOD	GOOD		- MOVE AND ASSESSMENT OF THE PARTY OF THE PA					GOOD
NO GOO	NO GOOD							
$\overline{}$	Jnlock/Halflock ctor (2 connector)	2 No Wrong 3 No Terminal B		4 No Missin (for Y-Ta	g Tape aping) 5 No	o Defo	ormed Ter	rminal