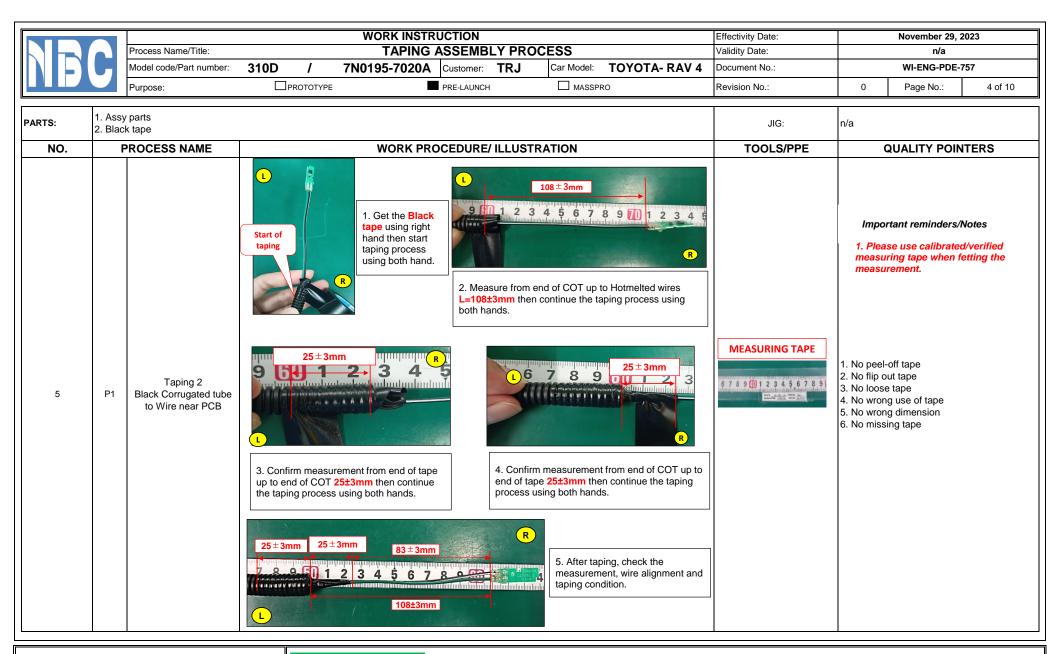
					WORK INSTRUCTION					Effectivity Date:		November 29, 2	023
			Process Name/Title:		TAPING ASSEM	BLY PROC	CESS			Validity Date:		n/a	
	Ν.		Model code/Part number:	310D /	7N0195-7020A Custome	r: TRJ	Car Model:	TOYOTA- R	AV 4	Document No.:		WI-ENG-PDE-7	57
	<u> </u>		Purpose:	PROTOTYPE	PRE-LAUN	СН	☐ MASS	PRO		Revision No.:	0	Page No.:	1 of 10
PARTS:			ector 6189-0451 (W) W CP (TVSSf 0.3 G wires L=	:613±3mm; TVSSf 0.3 E	3. Black (3.) 3. Black (3.)	Corrugated tube	(No slit) Ø7,	L=461±3mm		JIG:	n/a		
NO.		Р	ROCESS NAME		WORK PROCEDUR	E/ ILLUSTR	ATION			TOOLS/PPE QUALITY POINTE			TERS
1			Wire insertion to Black Corrugated tube (No Slit) ø7, L=461±3mm	1. Get the Blac wire using left h	R R L k Corrugated tube (No slit) Ø7, and.	L=461±3mm (using right ha	R and then insert the		Safety Instruction Be sure to wear prescribed personal protective equipment during operation (gloves, finger cots, etc.)	1. No wrong 2. No deforn	usage of parts ned terminal	
		P1	Windowski		CONNECTOR ORIENTATION	L		WIRE FACING G wire		Housekeeping 1. Maintain and always practice 5's. 2. Personal things on the workplace is prohibited. Keep it in your locker.	2. No dama 3. No wrong 4. One by c 5. No defor 6. No wrong	g use of connector aged connector g insertion one insertion med terminal g wire facing ant reminder/Note thold the wire n	tes/:
2			Wire insertion to Connector 6189-0451 (W)	1. Hold the connec	B/W wire tor using left hand. Get the then insert to terminal slot 1			R R		Alert level For any trouble, inform the Assembly Assistant Supervisor or Line Leader for immediate corrective action.	during in 2.Make so inserted Push aft Do not e Docur 1. Pleass for Wire 2. Pleass	nsertion. sure wires are pr l. Conduct <u>Pull-P</u> ter insertion. exert extra force. ment reference/s e refer to WI-PR(and Strip length e refer to GL-PR(Push procedure.	operly <u>ush-Pull-</u> : D-CNC-017 tolerance. D-ASY-029
					Revision History				l	Ddb D		A	Nata d b
										Prepared by Re	eviewed by	Approved by	Noted by
										- Muly	mf Tiffour	-(144)	
11/29/23	0 Ir	nitial issi	Je				M. Ariola	C.Villanueva A. Araño	ies n/	a M. Anjola 7C.	70// Villanueva	A Aranas	n/a
Eff. Date Rev	v. No			Details of Ch	ange		Revised	Reviewed Approve	red Not		mber 29, 2023		
•								•	•	•			



				WORK INSTRUCTION	Effectivity Date:	November 29, 2023							
		Process Name/Title:		TAPING ASSEM		CESS			Validity Date:	n/a			
	H	Model code/Part number:	310D /		r: TRJ	Car Model:	TOYOT	A- RAV 4	Document No.:		WI-ENG-PDE-	757	
		Purpose:	□ргототуре	PRE-LAU	ICH	☐ MASSPI	RO		Revision No.:	0	Page No.:	2 of 10	
PARTS:	1. Assy			JIG:	1. Locking								
NO.	F	ROCESS NAME		WORK PROCEDUR	E/ ILLUST	RATION			TOOLS/PPE	QUALITY POINTERS			
3	P1	Connector lock	on the seque	1. F han	L L L L L L L L L L L L L L L L L L L	ctor into locking to lock 2x using the connection the connection the connection the double eformation	e lock	R.	LOCKING JIG	1. Man damag	ortant reminders ual locking may ed connector loc provided jig per n	cause ck	

	_			WORK INSTRUCTI	Effectivity Date: November 29			2023			
		Process Name/Title:		TAPING ASS		CESS		Validity Date:		n/a	
		Model code/Part number:	310D /		omer: TRJ	Car Model:	TOYOTA- RAV 4	Document No.:		WI-ENG-PDE-7	757
		Purpose:	PROTOTYPE	PRE-L	AUNCH	☐ MASSPR	RO	Revision No.:	0	Page No.:	3 of 10
PARTS:	1. Assy 2. Black			JIG:							
NO.	F	PROCESS NAME		WORK PROCED	URE/ ILLUSTR	ATION		TOOLS/PPE	TERS		
4	P1	Taping 1 Black Corrugated tube to Wire near connector	1. Hold the Corruga left hand, Get the B start pre-taping usin	lack tape and	2. Measure from edge of connecto taping process us	or 25±3mm the sing both hand	ated tube up to	MEASURING TAPE 6 7 8 9 60 1 2 3 4 5 6 7 8 9 9	1. Please measurin measure 1. No peel 2. No flip c 3. No loose 4. No wron	-off tape out tape e tape ig use of tape ig dimension	erified





				WORK INSTRUC	TION			Effectivity Date:	November 29, 2023			
		Process Name/Title:			SEMBLY PRO	CESS		Validity Date:		n/a		
		Model code/Part number:	310D /		ustomer: TRJ	Car Model:	TOYOTA- RAV 4	Document No.:		WI-ENG-PDE-7	'57	
		Purpose:	□РКОТОТУРЕ		E-LAUNCH	☐ MASSPF	RO	Revision No.:	0	Page No.:	5 of 10	
PARTS:	1. Assy 2. Blac	y parts k VM tube (Sunprene) ø11	L=97±3mm					JIG:				
NO.	F	PROCESS NAME		WORK PROCE	DURE/ ILLUSTR	ATION		TOOLS/PPE QUALITY POINTERS				
6		Wire insertion to Black VM tube (Sunprene) ø11, L=97±3mm	L	R	1. Get the Black L=97±3mm usin hotmelted wires	ng right hand th	hen insert the	n/a	1. No wron	ng use of parts.		
7	P1	Taping 3 Black Corrugated tube to VM tube (Sunprene)	1. Measure the end (Sunprene) up to ho L=31±3mm.	otmelted wires	2. Hold the a measure the to the hotmel	ssy parts using end of VM tub lited wires L=31		6789 10123456789	1. Plea measu measu 1. No peel 2. No flip c 3. No loose 4. No wror	out tape e tape ig use of tape ig dimension	/verified	

				WORK INSTRUC	TION		Effectivity Date:		November 29	, 2023
		Process Name/Title:		TAPING AS	SEMBLY PR	OCESS	Validity Date:		n/a	
		Model code/Part number	310D /	7N0195-7020A Custon	mer: TRJ	Car Model: TOYOTA- RAV 4	Document No.:		WI-ENG-PDE-75	57
		Purpose:	PROTOTYPE	PRE-LA	NUNCH	☐ MASSPRO	Revision No.:	0	Page No.:	6 of 10
	4 ()	p 82711-48210 (B) [2pcs]								
PARTS:	2. Clam	p 82711-33650 (B)		3. Bla	ck tape [5pcs]		JIG:	ary clamp assembly	/ jig	
NO.	P	ROCESS NAME		WORK PROCEDU	JRE/ ILLUSTR	TOOLS/PPE	QUALITY POINTERS			
8	P1	Clamp setting	(B) using right hands.	mp 82711-48210 (B) using let to Clamp location no. 4		3 2. Get 1pc of clamp 82711-48210 (B) right hand then set to Clamp location n and 3 using both hands. 4. Initially attach BLACK TAPE to local 1,2,3,4 and 5 using both hands.	using o. 2	1. Please start of cowrong units 1. No wrong 2. No wrong 3. No dama	ortant reminders/le check the clamp clamp assembly to se of clamp. g use of parts g use of tape aged clamp g clamp position	first before

		Effectivity Date:		November 29, 20	23				
		Process Name/Title:		TAPING ASSEMBLY	PROCESS	Validity Date:		n/a	
		Model code/Part number:	310D /	7N0195-7020A Customer: T	RJ Car Model: TOYOTA- RAV 4	Document No.:		WI-ENG-PDE-75	57
		Purpose:	PROTOTYPE	PRE-LAUNCH	☐ MASSPRO	Revision No.:	0	Page No.:	7 of 10
PARTS:	1. Assy 2. Black	parts tape [5pcs]				JIG:	1. Tempora	ary clamp assembly	/ jig
NO.	Р	ROCESS NAME		WORK PROCEDURE/ ILI	USTRATION	TOOLS/PPE	(QUALITY POINT	ERS
9	P1	Clamp assembly	1. Get the assy prepared the connector G) within the stop 2. Hold the tape of hand. Make 3 wire cut the tape. Proceedings. 3. Hold the tape of hand. Make 3 wire hand. Make 3 wire hand. Make 3 wire process.	arts using right hand then set into jig us 6189-0451 (W) into receiver base 1. Coper jig then press by the toggle clamp. In the clamp location no. 1 using right adings of tape using both hands then eed to clamp location 2. In the clamp location no. 2 using right adings of tape using both hands then eed to clamp location 3.	ang both hands. (See above picture for the continue setting the harness in jig. Last, set the ha	o. 4 using right hand. nds then cut the	1. Please start of o wrong u 1. No wron 2. No wron 3. No dama	e check the clamp clamp assembly to se of clamp. g use of parts g use of tape aged clamp g clamp position	first before

				WORK INSTRUCTION		Effectivity Date:		November 29, 2	023
		Process Name/Title:		TAPING ASSEMBLY PR	OCESS	Validity Date:		n/a	-
		Model code/Part number:	310D /	7N0195-7020A Customer: TRJ	Car Model: TOYOTA- RAV 4	Document No.:		WI-ENG-PDE-7	57
		Purpose:	□ PROTOTYPE	PRE-LAUNCH	☐ MASSPRO	Revision No.:	0	Page No.:	8 of 10
	1					<u> </u>			
PARTS:	n/a					JIG:	n/a		
NO.		PROCESS NAME		WORK PROCEDURE/ ILLUS	STRATION	TOOLS/PPE	(QUALITY POIN	TERS
10	P1	Visual/ By two's inspection		NEERING MPLE at of mple vs.	tion,	PRODUCTS Jamp attachment and shtly bending of parts 5. Check the hotmelted wires (B/W-G) appearance. Must be no deformed terminal.		checking during in	

	_			WORK INSTR	RUCTION			Effectivity Date:	November 29, 2023		
		Process Name/Title:			ASSEMBLY PRO	CESS		Validity Date:		n/a	-
		Model code/Part number:	310D /	7N0195-7020A	_	Car Model:	TOYOTA- RAV 4	Document No.:		WI-ENG-PDE-7	757
		Purpose:	□ргототуре		PRE-LAUNCH	☐ MASSP		Revision No.:	0	Page No.:	9 of 10
PARTS:	n/a				JIG: n/a						
NO.	F	ROCESS NAME		WORK PR	OCEDURE/ ILLUST	TOOLS/PPE	(QUALITY POIN	TERS		
11	P1	Measurement		195±3mm	77±3mm		225±3mm	121±5mm	1. No wron Impo 1. Please measure 2. For He Owarime Do 1. Please for Sub-	g dimension ortant reminders, e use calibrated/ ng tape when fetement. atsumono, Nakar ono cument reference e refer to WI-PRC Assy Hatsumono, ono and Owarimor	/Notes verified tting the mono and e/s:

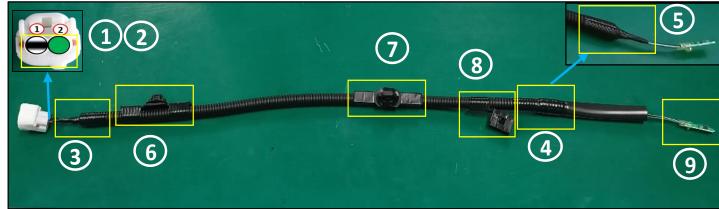
					WORK INSTRU	Effectivity Date: November 29, 2023			2023				
		Process Name/Title:	Process Name/Title: TAPING ASSEMBLY PROCESS								n/a		
		Model code/Part number:	310D	1	7N0195-7020A	Customer:	TRJ	Car Model:	TOYOTA- RAV 4	Document No.:		WI-ENG-PDE-7	757
		Purpose:	☐ PF	ROTOTYPE		PRE-LAUNCH	Н	☐ MASSPR	RO	Revision No.:	0	Page No.:	10 of 10
PARTS:	n/a									JIG:	n/a		
	QUALITY CHECKPOINTS												
D 1								45-7/	7020A				

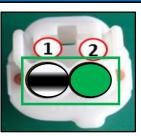
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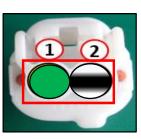
GOOD







GOOD



NO GOOD



No WRONG INSERT No TERMINAL BACKING OUT No UNLOCKED/HALFLOCKED

- (3)(4) (5) No MISSING TAPE
- 6 (7) (8) No MISSING CLAMP

NO GOOD

9 No DAMAGED PCB/TERMINAL

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