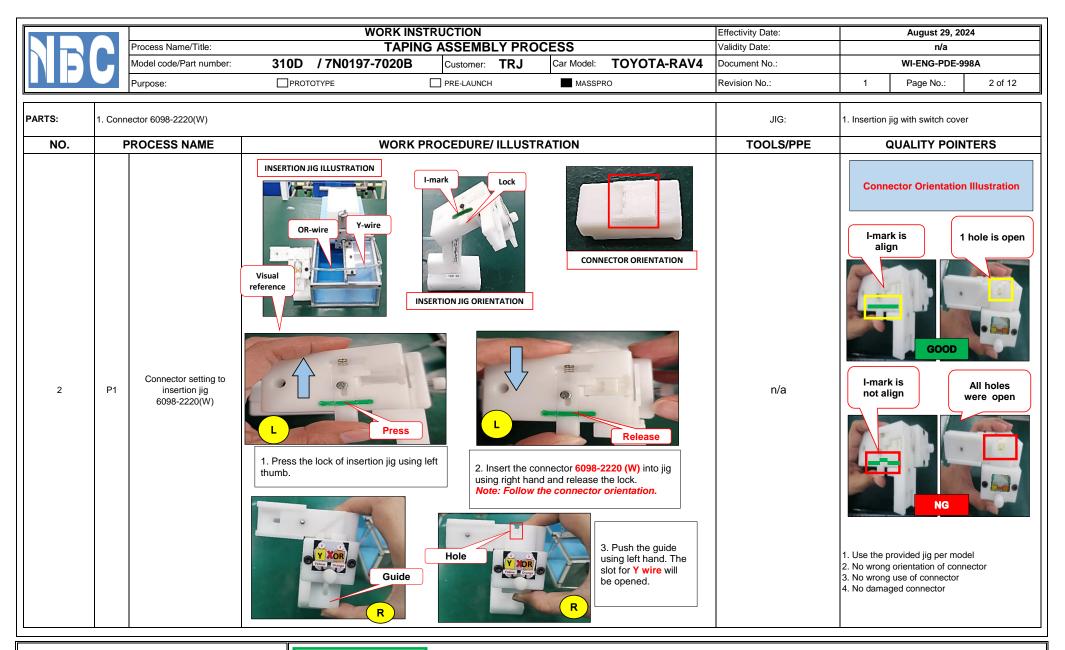
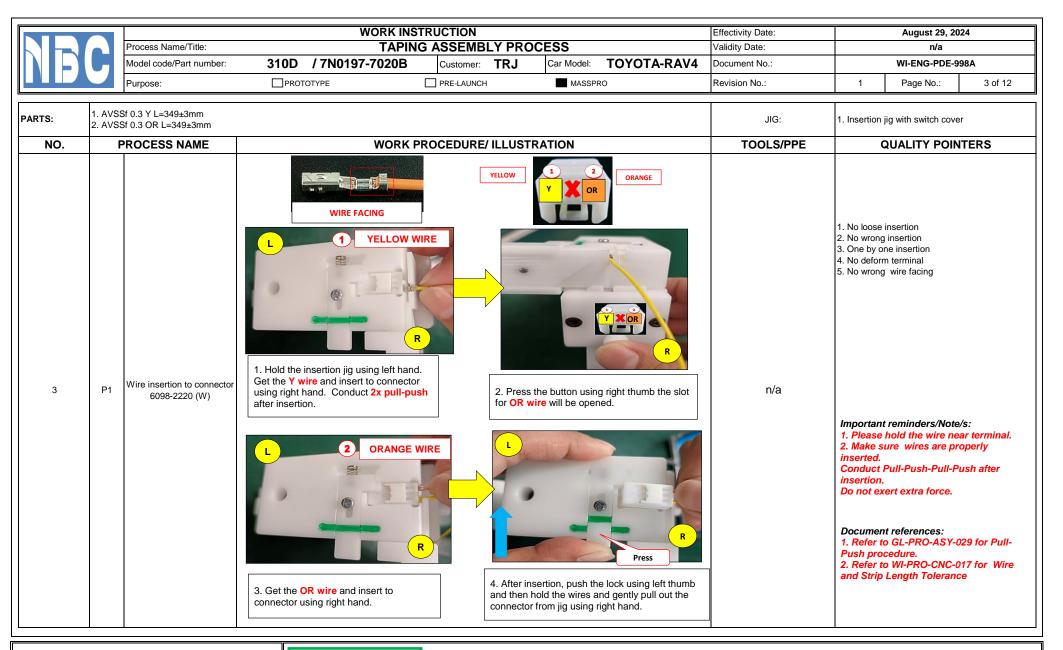
	_				WORK IN	STRUCTION					Effec	tivity Date:		August 29, 20	24	
			Process Name/Title:		TAPIN	IG ASSEMBL	Y PROC	ESS			Validi	ity Date:		n/a		
			Model code/Part number:	310D / 7	N0197-7020B	Customer:	TRJ	Car Model:	TOYO	TA-RAV4	Docu	ment No.:		WI-ENG-PDE-99	98A	
			Purpose:	PROTOTYPE		PRE-LAUNCH		MASSPE	0		Revis	sion No.:	1	Page No.:	1 of 12	
PARTS:			ector 6098-2220(W); Black ( 349±2mm; AVSSf 0.3 Y wire				ck Corrugated	I tube ø5 L=45	54±2mm; A	VSSf 0.3 OR		JIG:	Insertio     Insertio     Locking		Г	
NC	).	Р	ROCESS NAME		WORK	PROCEDURE/	ILLUSTRA	TION				TOOLS/PPE		QUALITY POINTERS		
1		P1	Table lay-out	Connector 2220(W Connector 2220) Locking jig In	Inserion jig A (With Switch cover)	TABLE LAY-Collack utgated be \$65.6±3mm	AVSSf 0.3 wires L=349±31 L=349±31	nm 0.3 Y	-3802 /)/ ector	ded 55 nm de	1. 2. Professional	Safety Instruction Be sure to wear prescribed personal rotective equipme during operation gloves, finger cots etc.)  Housekeeping Maintain and alwa practice 5's. Personal things of the workplace is rohibited. Keep it if your locker.  Alert level or any trouble, infort e Assembly Assists Supervisor or Line eader for immedia corrective action.	al al ant ant ant ant ant ant ant at the ant	pocument reference of WI-PRO-CNC-0 Length Tolerance	17 for Wire	
	· ·				Revision History						·	Prepared by	Reviewed by	Approved by	Noted by	
									_							
												<u> </u>		1 (Aux)		
08/29/24	1		om Pre-launch to Masspro						C. Villanueva	A. Arañes	n/a	Okumen dez	South House	-		
Eff. Date	0 Rev No	Initial Issu	ie	Deteils of Ol					C. Villanueva	A. Arañes	n/a		©. Villanueva	✓ A. A. añes	n/a	
				Details of Ch	ange			Revised	Reviewed	Approved	Noted	Est. Date:	August 06, 2024			







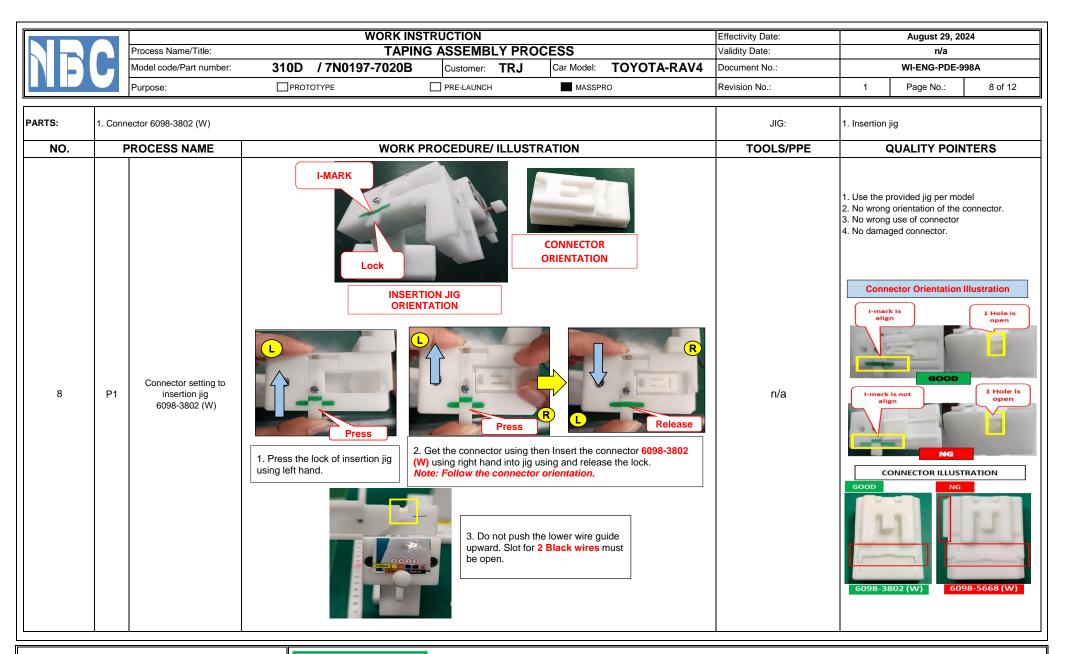
			WORK	INSTRUCTION	ON			Effectivity Date:		August 29, 20	24	
		Process Name/Title:	TA	PING ASSE	MBLY PROC	CESS		Validity Date:		n/a		
		Model code/Part number:	310D / 7N0197-702	<b>OB</b> Custo	omer: TRJ	Car Model:	TOYOTA-RAV4	Document No.:		WI-ENG-PDE-9	98A	
		Purpose:	PROTOTYPE	PRE-L	AUNCH	MASSPI	RO	Revision No.:	1	Page No.:	4 of 12	
PARTS:	1. Assy	parts						JIG:	1. Locking	jig		
NO.	ı	PROCESS NAME	WO	RK PROCED	URE/ ILLUSTR	ATION		TOOLS/PPE		QUALITY POIN	ITERS	
			CONNECTOR F	ETAINER I		DN	1.Check the Retainer loinsertion to locking jig. Note: Must be NO half- connector locking.	ock of connector before locked condition prior	not touch of locking jig to 2. Maintain connector 3. Connector slot. 4. Make su process. 5. No wrong 6. No dama	3.Connector must be fully inserted to connect slot.      4. Make sure no offset setting before locking.		
4	P1	Connector lock	2. Hold the assy parts using left to connector touch the sensor. Sou NOTE: CONNECTOR LOCKING	and and insert in dwill be heard	if properly lock.	sing jig based			1. Incomalarm th 2. No rei proceed 3. If encand imm of the le	ortant reminders plete locking pro e jig. ainer in connecto countered abnoma lediately CALL the ader. WAIT for fu	/Note/s: cess will or cannot dity, STOP e attention orther	

			WORK INS	STRUCTION			Effectivity Date:		August 29, 20	24
		Process Name/Title:	TAPIN	NG ASSEMBLY PRO	DCESS		Validity Date:		n/a	
		Model code/Part number:	310D / 7N0197-7020B	Customer: TRJ	Car Model:	TOYOTA-RAV4	Document No.:		WI-ENG-PDE-9	98A
		Purpose:	PROTOTYPE	PRE-LAUNCH	MASSPE	RO	Revision No.:	1	Page No.:	5 of 12
PARTS:	1. Assy	parts					JIG:	1. Locking j	ig	
NO.	F	PROCESS NAME	WORK	PROCEDURE/ ILLUST	RATION		TOOLS/PPE	(	QUALITY POIN	ITERS
4	P1	Connector lock (Continuation)	HOLD THE HANDLE  R  SLIDE  STEP 1	STEP 2	R SL	3. Hold the han locking jig using down and bring after locking. No only.  4. Remove the left hand bas follow the di		not touch or locking jig to 2. Maintain connector 3. Connecto slot. 4. Make sur process. 5. No wrong 6. No dama 7. No unlock Imp. 1. Incomalarm th 2. No rei proceed 3. If encand imm the lead	tainer in connect	rior insertion into nector. Ing of wire to ted to connector pefore locking or . Innector Insertion of the attention of the attention of the instruction into the connector insertion in the attention of the instruction in the connector in the instruction in the connector in the c

			WORK INS	STRUCTION			Effectivity Date:		August 29, 202	:4
		Process Name/Title:	TAPIN	IG ASSEMBLY PR	ROCESS		Validity Date:		n/a	
NBU		Model code/Part number:	310D / 7N0197-7020B	Customer: TRJ	Car Model:	TOYOTA-RAV4	Document No.:		WI-ENG-PDE-99	8A
		Purpose:	PROTOTYPE	PRE-LAUNCH	MASSPR	0	Revision No.:	1	Page No.:	6 of 12
PARTS:	1. Assy 2. Black	parts Corrugated tube ø5 L=276±3		wires L=646±3mm			JIG:	n/a		
NO.	Р	ROCESS NAME	WORK I	PROCEDURE/ ILLUS	STRATION		TOOLS/PPE	QUALITY POINTERS		
5		Wire insertion to Black Corrugated tube ø5 L=276±3mm	L)	R	L=276±3mm usin	Corrugated tube ø5 g left hand then insert ising right hand. Set rt.		1. No flip-ou 2. No peel-o 3. No loose 4. No missir 5. No wrong 6. No wrong	off tape tape ng tape g dimension	
6	P1	Wire Insertion to Black corrugated tube ø5 L=454±3mm (no slit)	R	L=646± corrug		Black wires nd, Get the Black 4±3mm (no slit) t the B-B wires using	6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1	1. Please	t reminders/Note/ use calibrated/ve ng tape when getti ment.	erified

			WORK I	NSTRUCTION			Effectivity Date:		August 29, 20	24
		Process Name/Title:		PING ASSEMBLY PRO	CESS		Validity Date:		n/a	
MB		Model code/Part number:	310D / 7N0197-7020F		Car Model:	TOYOTA-RAV4	Document No.:		WI-ENG-PDE-99	98A
		Purpose:	PROTOTYPE	PRE-LAUNCH	MASSPI	90	Revision No.:	1	Page No.:	7 of 12
PARTS:	1. Assy 2. Black	parts Corrugated tube ø5 L=454±:	3mm				JIG:	n/a		
NO.	F	ROCESS NAME	WOR	K PROCEDURE/ ILLUST	RATION		TOOLS/PPE	(	QUALITY POIN	TERS
7	P1	Taping 1 Black Corrugated tube to Wire near terminal	25±3	2. Measure form end of COT 131±3mm then continue the t	taping process	8 9 60 1 2 R		Importa 1. Pleas	off tape tape ng tape g dimension g use of tape  out reminders/Note e use calibrated/ ng tape when get	erified/





			WORK INS	STRUCTION			Effectivity Date:		August 29, 20	24
		Process Name/Title:	TAPIN	NG ASSEMBLY PRO	CESS		Validity Date:		n/a	
		Model code/Part number:	310D / 7N0197-7020B	Customer: TRJ	Car Model:	TOYOTA-RAV4	Document No.:		WI-ENG-PDE-9	98A
		Purpose:	PROTOTYPE	PRE-LAUNCH	MASSPE	RO	Revision No.:	1	Page No.:	9 of 12
PARTS:	1. Assy	parts					JIG:	1. Insertion	jig	
NO.	F	PROCESS NAME	WORK P	PROCEDURE/ ILLUST	RATION		TOOLS/PPE	(	QUALITY POIN	TERS
9	P1	Wire insertion to connector 6098-3802 (W)	1. Hold the insertion jig using left hand. the 1st Black wire to connector using rhand. Conduct 2x push-pull after insertions.  3. Press the lower guide using right in the state of the st	wire  L. Insert using right har insertion.  2. Get the 2nc using right har insertion.	d Black wire the	en insert to connector push-pull after	n/a	2. No wrong 3. No wrong 4. No dama  Importan 1. Please 2. Make sinserted. Conduct insertion Do not e. 3. Insertiright	Pull-Push-Pull-P  .xert extra force.  ion of wires must  mt references:  to GL-PRO-ASY-0	e/s: ear terminal. roperly Push after t be from left to

			WORK INS	TRUCTION				Effectivity Date:		August 29, 20	24
		Process Name/Title:	TAPIN	G ASSEMB	LY PROC	CESS		Validity Date:		n/a	
		Model code/Part number:	310D / 7N0197-7020B	Customer:	TRJ	Car Model:	TOYOTA-RAV4	Document No.:		WI-ENG-PDE-99	98A
		Purpose:	PROTOTYPE	PRE-LAUNCH	+	MASSPF	RO	Revision No.:	1	Page No.:	10 of 12
									1		
PARTS:	1. Assy	parts						JIG:	1. Insertion		
NO.	I	PROCESS NAME	WORK F	PROCEDURE	/ ILLUSTR	RATION		TOOLS/PPE	(	QUALITY POIN	TERS
9	P1	Wire insertion to connector 6098-3802 (W) (Continuation)	4. Hold the insertion jig using left hand. the Yellow wire to connector using right hand. Conduct 2x push-pull after insertions.		Use the provided jig per model     No wrong orientation of connector     No wrong use of connector     No damaged connector						
			6. Hold the insertion jig using left hand. Get the Orange wire to connector using right hand. Conduct 2x push-pul after insertion.		thumb and	then hold the	e lock using left wires and gently m jig using right		1. Please 2. Make st inserted. Conduct his insertion. Do not ex. 3. Insertioright	reminders/Note/hold the wire neaure wires are propull-Push-Pull-Puert extra force. In of wires must the treferences:  of GL-PRO-ASY-Occurrences:	ar terminal. operly ush after be from left to

			WORK INSTRUC				Effectivity Date:		August 29, 20	24
		Process Name/Title:	TAPING ASS	SEMBLY PROC	CESS		Validity Date:		n/a	
		Model code/Part number:	<b>310D / 7N0197-7020B</b> Cu	stomer: TRJ	Car Model:	TOYOTA-RAV4	Document No.:		WI-ENG-PDE-99	98A
		Purpose:	□ PROTOTYPE □ PRE	E-LAUNCH	MASSPR	RO	Revision No.:	1	Page No.:	11 of 12
_							JIG:	1. Locking ji		
PARTS:	1. Assy	parts								
NO.	l	PROCESS NAME	WORK PROCE	DURE/ ILLUSTR	ATION		TOOLS/PPE	C	QUALITY POIN	TERS
10	P1	Connector lock	1. Load the connector into the jig holding both side of the connector, tip first.  Right thumb-Lower Left thumb-middle  3. Press the lower parts of connector using right hand while left hand holding the middle.  Left thumb-middle  5. Lift then press the connector in the middle using left and right hand.	L 4. Press the u	Right thumb-u Left thumb-m upper part of cor it hand holding t	ponnector to fully insert  R  poper iddle  nnector using right the middle.		2. No wrong 3. No wrong 4. No damage  GO  Full  Importa 1. Manual		G Lock ste/s:

		WORK INS	TRUCTION		Effectivity Date:		August 29, 202	24
	Process Name/Title:	TAPIN	G ASSEMBLY PRO	CESS	Validity Date:		n/a	
	Model code/Part number:	310D / 7N0197-7020B	Customer: TRJ	Car Model: TOYOTA-RAV4	Document No.:		WI-ENG-PDE-99	98A
	Purpose:	☐ PROTOTYPE	PRE-LAUNCH	MASSPRO	Revision No.:	1	Page No.:	12 of 12
PARTS: n/a					JIG:	n/a		
		VIS	SUAL INSPECTION/QU	ALITY CHECKPOINTS				
P1		1	7N019	7-7020B				
GOOD	GOOD  GOOD	2 No W	rongInsert	2 YXIII		GOOD	G(	DOD
NO GOOD			nnector)	4 No Defo	N	0 G00I	NO (	GOOD
· - /	Jnlock/ locked Conne	ector 3 No M	issing Tape	5 No Tern Backing				