				WORK IN:	STRUCTION				Effect	ivity Date:		July 10, 20	24		
			Process Name/Title:		NG ASSEMBLY PROC	ESS			Validit	ty Date:		n/a			
	-1		Model code/Part number:	320B / 7L0052-7024	Customer: TRQSS	Car Model:	TOYOT	A-RAV4	Docur	ment No.:		WI-ENG-PDE-	409B		
			Purpose:	PROTOTYPE	PRE-LAUNCH	MASSPE	२०		Revis	ion No.:	4	Page No.:	1 of 9		
PARTS:		1. Assy	parts; Black tape [2pcs.]; Yell	low tape [1pc.]						JIG:	2. Lock	I. Insertion jig			
NO	).	F	PROCESS NAME	WORK	PROCEDURE/ ILLUSTR	ATION				TOOLS/PPE		QUALITY POINTERS			
					Table Lay-out				pro	Safety Instruction Be sure to wear prescribed personal protective equipment during operation (gloves, finger cots, etc.)					
1		P2	Table Lay-out	Assy parts	Spot taping				1. ľ 2.	Housekeeping Vaintain and alwa practice 5's. Personal things the workplace is ohibited. Keep it your locker.	on 1. No n 2. No e	nissing parts/tools xcess parts/tools			
				Insertion jig  Locking jig	ninal cover jig	Black ape/Tape holder	tap	ellow e/Tape older	the S Le	Alert level any trouble, info Assembly Assist Supervisor or Lin ader for immedia	ant e ite				
				Revision History			C.Villanuev			Prepared by	Reviewed b	Approved by	Noted by		
07/10/24	4	Inclusion	n of car model "TOYOTA-RAV 4"	and Measurement.		D.Castillo	a A.		ı/a						
04/24/23	3	Inclusion	n of quality checkpoints on page	no. 8 as Document process improvements.		M.Ariola	J. Loterte Vil	C. Ilanueva A. A	rañes	0	.//	(Alax			
09/17/22	2	Transfer	ring of process - Wire insertion t	to assy parts from P2 to P1 due to process and o	capacity improvement.	M. Catapang	J. Loterte C. V	/illanueva A. Aı	rañes	D. Castillo	C.Villanuev	C.VIIIanueva A.Arages n/a			
Eff. Date	Rev. No		Details of Change  M. Catapang  J. Loterte  C. Villanueva  Revised  Revised  Approved								D. Castillo C. Villanueva A. A. A. A. A. Carabes n/a  Est. Date: February 14, 2022				

	_		WORK INSTRUCTION	Effectivity Date:	July 10, 2024		
	lacksquare	Process Name/Title:	TAPING ASSEMBLY PROCESS	Validity Date:	n/a		
		Model code/Part number:	320B / 7L0052-7024 Customer: TRQSS Car Model: TOYOTA-RAV4	Document No.:	WI-ENG-PDE-409B		
		Purpose:	□ PROTOTYPE □ PRE-LAUNCH ■ MASSPRO	Revision No.:	4 Page No.: 2 of 9		
PARTS:	1. Assy	parts		JIG:	1. Insertion jig		
NO.	F	PROCESS NAME	WORK PROCEDURE/ ILLUSTRATION	TOOLS/PPE	QUALITY POINTERS		
2	P2	Connector setting to insertion jig 6188-0066 (GR) (Assy parts)	INSERTION JIG  Visual reference  INSERTION JIG ORIENTATION  INSERTION JIG ORIENTATION  1. Press the guide using right thumb. The slot for G wire will be opened.  2. Press the lock of insertion jig using left thumb.  3. Insert the connector 6188-0066 (GR) with inserted Y-OR wire using right hand	n/a	Connector Orientation Illustration  I-mark is align  I Hole is open  Coopened  1. Use the provided jig per model 2. No wrong orientation of connector 3. No wrong use of connector 4. No damaged connector Important reminders/Note/s: 1. Follow the connector orientation		

			WORK INST	Effectivity Date: July 10, 2024						
		Process Name/Title:	TAPING		Validity Date:		n/a			
		Model code/Part number:	320B / 7L0052-7024	Customer: TRQS	Car Model:	TOYOTA-RAV4	Document No.:		WI-ENG-PDE-40	)9B
		Purpose:	PROTOTYPE	PRE-LAUNCH	MASSP	'RO	Revision No.:	4	Page No.:	3 of 9
PARTS:	1. Assy	·		JIG:		1. Insertion jig				
NO.	F	PROCESS NAME	WORK PF	ROCEDURE/ ILLUST	RATION		TOOLS/PPE	QUALITY POINTERS		
3	P2	Wire insertion to connector 6188-0066 (GR)	1 Hold the G wire then insert to termina slot 1 using right hand.  3. Hold the B/W wire then insert to terminal slot 2 using right hand.	4. After thumb t	for B/W wire wil	the lock using left res and gently pull	n/a	Import 1. Pleas 2. Make inserted Conductinesertion Do not	g insertion one insertion med terminal g wire facing  tant reminders/ se hold the wire n e sure wires are p d. ct Pull-Push-Pull-i	ear terminal. roperly Push after

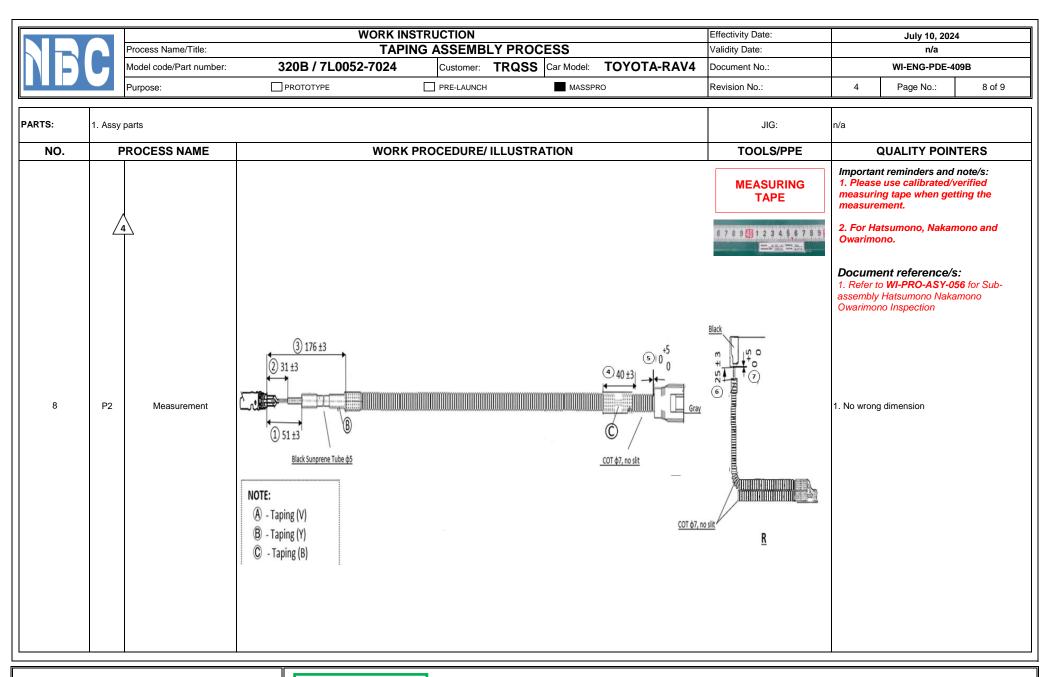
	_		WORK INSTRUC		Effectivity Date:	July 10, 2024				
		Process Name/Title:		SSEMBLY PROCI	ESS		Validity Date:		n/a	
		Model code/Part number:		Customer: TRQSS		TOYOTA-RAV4	Document No.:		WI-ENG-PDE-4	,09B
		Purpose:	☐ PROTOTYPE ☐ PF	PRE-LAUNCH	MASSPE	RO	Revision No.:	4	Page No.:	4 of 9
PARTS:	1. Assy	parts					JIG:	Insertion     Locking j	jig jig	
NO.		PROCESS NAME	WORK PROC	EDURE/ ILLUSTRA	ATION		TOOLS/PPE		QUALITY POIN	ITERS
4	P2	Connector Lock	1. Put the connector into locking jig right hand then press 2x. Touch the connector lock to confirm if properly	g using ne rly locked.  Dess Sectional NG G  Half Lock F	Before	pressing  er pressing	LOCKING JIG	Import 1.MANU DAMAG	tant reminders  AL LOCKING MA  ED LOCK  provided locking jig	s /Note/s: AY CAUSED

			WORK INSTRUCTION	Effectivity Date:	ty Date: July 10, 2024				
		Process Name/Title:	TAPING ASSEMBLY PROCESS	Validity Date:		n/a			
		Model code/Part number:	320B / 7L0052-7024 Customer: TRQSS Car Model: TOYOTA-RAV4	Document No.:		WI-ENG-PDE-40	)9B		
		Purpose:	□ PROTOTYPE □ PRE-LAUNCH ■ MASSPRO	Revision No.:	4	Page No.:	5 of 9		
PARTS:	1. Assy 2. Yellov	v tape		JIG:	n/a				
NO.	F	ROCESS NAME	WORK PROCEDURE/ ILLUSTRATION	TOOLS/PPE QUALITY POI			TERS		
5	P2	Taping 3 Corrugated tube to VM tube (Sunprene)	1. Measure from end of COT up to hotmelted wire 176mm using both hands.  2. Fix the COT and surprene tube using both hands. Make sure no gap in between.  3. Get the Yellow tape using right hand then start taping process using both hands.  176 ± 3mm  4. After taping, check the dimension and taping condition.	## ASURING TAPE  \$ 7 8 9 10 1 2 3 4 5 6 7 8 9 1	1. Use 1 2. Pleas measur measur Docume 1. Refer procedi 1. No flip-o 2. No peel- 3. No loose 4. No missi 5. No wron	ent reference/s: to WI-PRO-ASY- ure. ut tape off tape tape	nly verified tting the		



			WORK INS		Effectivity Date:	ffectivity Date: July 10, 2024							
		Process Name/Title: TAPING ASSEMBLY PROCESS						Validity Date:		n/a			
		Model code/Part number:	320B / 7L0052-7024	Customer:	TRQSS	Car Model:	TOYOTA-RAV4	Document No.:		WI-ENG-PDE-4	09B		
		Purpose:	PROTOTYPE	PRE-LAUNCH	1	MASSPE	RO	Revision No.:	4	Page No.:	6 of 9		
		sy parts ck tape						JIG:	n/a	n/a			
NO.	F	PROCESS NAME	WORK	PROCEDURE	/ ILLUSTR	ATION		TOOLS/PPE	TOOLS/PPE QUALITY POINTERS				
6	P2	Y-taping	Tape shifting 1/3 below  20±2  3. Wind the tape 1/3 shifting until it reach the other side of corrugated to (must be same with 20±2mm)  Tape shifting 1/2  20±2mm	1. Fixthe com	ugated tube .  0±2mm  tapin  Tape shift  5. Wind other sid the tape	combined Cowinding the timust be same and the same and th	ag at the middle of corrugated tubes, then tape to left side width the with (20±2mm)  4. Wind the tape backward 1/2 shifting.	MEASURING TAPE  6 7 8 9 (1) 1 2 3 4 5 6 7 8 9 6 9 8 9 6 9 8 9 6 9 8 9 6 9 8 9 8 9	1. Use visual actual 2. Plea measu measu Docum 1. Refe proced  1. No flip-or 2. No peel-3. No loose 4. No missi 5. No wrong 6. No wrong 6. No wrong 7.	ut tape off tape tape	or easy lines, but K TAPE. d/verified letting the		

			WORK INS		Effectivity Date:	July 10, 2024						
		Process Name/Title:		Validity Date:		n/a						
		Model code/Part number:	320B / 7L0052-7024	Customer:	TRQSS C	Car Model:	TOYOTA-RAV4	Document No.:		WI-ENG-PDE-40	09B	
		Purpose:	PROTOTYPE	PRE-LAUNCH	1	MASSPR	RO	Revision No.:	4	Page No.:	7 of 9	
PARTS: 1. Assy 2. Blac		tape						JIG:	1. Spot tapi	Spot taping jig		
NO.	F	PROCESS NAME	WORK I	PROCEDURE/	/ ILLUSTRAT	ION		TOOLS/PPE	QUALITY POINTERS			
7	P2	Spot taping	CONNECTOR SETTING  2. Hold the assy parts using left hand, Black tape then conduct 2 windings of SIDE A then cut using both hands.	SIDE A  1. ha Fin	ands. (See aboverst, set the connecciver base. COT guide then to Single then to Single then community and the set of the	ve picture in nector 6188 Continue to lock.  SIDE B  sy parts using en conduct and using both	set the 2 COT in the	MEASURING TAPE  6 7 8 9 10 1 2 3 4 5 6 7 8 9 1	1. No flip-ou 2. No peel-ou 3. No loose 4. No missin 5. No wrong	ut tape off tape tape	verified	



			WORK INSTRUCTION							July 10, 2024			
		Process Name/Title:	ocess Name/Title: TAPING ASSEMBLY PROCESS Validity Da							n/a			
		Model code/Part number:	320B / 7L0052-7024	Custom	er: TRQS	S Car Model:	TOYOTA-RAV4	Document No.:		WI-ENG-PDE-4	.09B		
		Purpose:	PROTOTYPE	PRE-LAU	NCH	MASS	PRO	Revision No.:	4	Page No.:	9 of 9		
								T					
PARTS:	1. Assy	parts						JIG:	n/a				
								•					

## **VISUAL INSPECTION/ QUALITY CHECKPOINTS**



- 1 No WRONGINSERT
- 2 No UNLOCKAND HALFLOCK CONNECTOR
- **S** No MISSING SPOTTAPE
- 3 4 No MISSING TAPE

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