1			WORK INSTRUCTION Effe									January 13, 2025			
			Process Name/Title:	TAPI	NG ASSEMBLY PRO	CESS			Valid	ity Date:		n/a			
	-Y		Model code/Part number:	311D / 7L0153-7023	Customer: TRQS	S Car Model:	TOYOT	ΓA-RAV4	Docu	ment No.:		WI-ENG-PDE-96	3A		
			Purpose:	PROTOTYPE	PRE-LAUNCH	MASS	SPRO		Revi	sion No.:	2	Page No.:	1 of 7		
PARTS:				SSf 0.3 Green wires L=683±3mm; Blace		•	t)			JIG: 1. Insertion jig 2. Terminal cover jig 3. Locking jig					
N).	P	ROCESS NAME	WORK	(PROCEDURE/ ILLUST	RATION				TOOLS/PPE	9	QUALITY POINT	TERS		
		P1	Table lay out	Connector 6098-3810 (W)/ Connector tray Insertion jig Assy pa		ø5	en 🧰	pe De	p (Safety Instruction Be sure to wear required personar rotective equipmeduring operation gloves, finger cotetc.) Housekeeping Maintain and alw practice 5's. Personal things	1. No miss 2. No exce ent 1. Refer to Offline A 2. Refer to Strip leng	ing parts/tools ss parts/tools nt references: to WI-ENG-PDE-10 ssembly process to WI-PRO-CNC-0 ght tolerance.	17 for Wire		
1		P1	Table lay-out	Terminal cover jig	Locking jig Tape h	older&	Black C t	Corrugated tube 475±4mm o slit)	Fo	the workplace is the workplace is rohibited. Keep it your locker. Alert level or any trouble, infe assembly Assis Supervisor or Lineader for immedia corrective action	orm tant e atte	NG	5668 (W)		
		1		Revision History	<u>'</u>			<u> </u>		Prepared by	Reviewed by	Approved by	Noted by		
01/13/25	2		ıl Quality pointers "No insufficier	nt tape" and add document references (Page 6	6) as countermeasure to customer	D. Castillo	C. /	A. Arañes	n/a	-					
08/28/24	1	claim. Change Offline a	ourpose from Pre-launch to Mas ad Clamp assembly process. Up	sspro. Additional table lay-out and provide inse	ertion jig. Seprate some process to		C.Villanueva	A. Arañes	n/a			Alas			
08/20/24	0	Initial iss	ie			D.Castillo	C.Villanuev a	A. Arañes	n/a	D. Castillo	C.Villanueva	A Aranes	n/a		
Eff. Date	Rev. No			Details of Change		Revised	Reviewed /	Approved	Noted /	Est. Date:	August 20, 2024	71.7110100	11/4		
				1											



			WORK II		Effectivity Date:	January 13, 2025				
		Process Name/Title:	TAP		Validity Date:	n/a				
		Model code/Part number:	311D / 7L0153-7023	Customer: TRQSS	Car Model:	TOYOTA-RAV4	Document No.:		WI-ENG-PDE-96	3A
		Purpose:	PROTOTYPE	PRE-LAUNCH	MASSPR	0	Revision No.:	2	Page No.:	2 of 7
PARTS:	1. Coni	nector 6098-3810 (W)					JIG:	jig		
NO.	F	ROCESS NAME	WOR	K PROCEDURE/ ILLUSTRA	ATION		TOOLS/PPE	(QUALITY POIN	ΓERS
2	P1	Connector setting to insertion jig 6098-3810(W)	Insertion Jig Holes Lock I-mark Press 1. Press the lock of insertion jig using left thumb.	Insertion Jig Orientation Press 2. Insert the connector 6098-38 and release the lock. 3. Check the holes/termina wires.	Cr L Re B10 into jig usi	onnector ientation R		2. No wron 3. No wron 4. No dam:	vided jig per mode ng usage of parts ng orientation of co- aged connector CONNECTOR ILLUSTR NG 810 (W) 6098	nnector

			WORK INSTRUCTION	Effectivity Date:	January 13, 2025				
		Process Name/Title:	TAPING ASSEM	BLY PROCESS		Validity Date:		n/a	
		Model code/Part number:	311D / 7L0153-7023 Custome	r: TRQSS Car Model:	TOYOTA-RAV4	Document No.:		WI-ENG-PDE-96	3A
		Purpose:	PROTOTYPE PRE-LAUN	NCH MASSE	PRO	Revision No.:	2	Page No.:	3 of 7
PARTS:	1. Black 2. AVS	k Corrugated tube ø5 L=69 Sf 0.3 Green wire L=659±3	±3mm (no slit)		JIG:				
NO.	P	PROCESS NAME	WORK PROCEDUR		TOOLS/PPE	QUALITY POINTERS			
3		Wire Insertion to Black Corrugated tube ø5 L=69±3mm (no slit)		L=69±3mm (no and get AVSSf	k Corrugated tube ø5 o slit) using left hand 0.3 Green wire en insert using right	n/a	1. Refer Strip len 1. No wron 2. No defo	ent references: to WI-PRO-CNC-Opht tolerance. ong usage of parts. rmed terminal	
4	P1	Wire insertion to Connector 6098-3810 (W)	CONNECTOR ORIENTATION R R Green 1. Get the Green wire and insert to Slot 1 of connector using right hand. Conduct 2x push pull after wire insertion.	WIRE FACE 2. After insertion, push the and then hold the wires ar connector from jig using rice.	e lock using left thumb		2. No dam 3. No wro 4. No loos 5. One by 6. No defo 7. No wror Importar 1. Please 2. Make: inserted after insi Do not e Docume 1. Refer Strip len 2. Refer	one insertion rmed terminal ng wire facing ont reminder's/Note e hold the wire ne- sure wires are pro Conduct Pull-Pu	e: ar terminal. operly sh-Pull-Push 117 for Wire

Model code/Part number: 311D / 7L0153-7023	G ASSEMBLY PRO			Effectivity Date: Validity Date:		January 13, 2025			
Model code/Part number: 311D / 7L0153-7023	Customer: TRQS			Validity Date:					
		S Car Model:		_		n/a			
	PRE-LAUNCH		311D / 7L0153-7023 Customer: TRQSS Car Model: TOYOTA-RAV4 Docum						
Purpose: PROTOTYPE		MASSPE	₹0	Revision No.:	2	Page No.:	4 of 7		
PARTS: 1. Assy parts									
NO. PROCESS NAME WORK F	PROCESS NAME WORK PROCEDURE/ ILLUSTRATION					QUALITY POINT	ERS		
5 P1 Connector lock 2. Ensure that connector is in lock on the sequence illustrated.	R right hand Touch the properly I	d then press 2x e connector loci locked.	R		1. Manudamage	ant reminders/Note al locking may cau ed connector lock ng usage of parts rmed terminal			

After Pressing

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Before Pressing

		WORK INS	TRUCTION			Effectivity Date:		January 13, 202	25
	Process Name/Title:			Y PROCESS		Validity Date:		n/a	
	Model code/Part number:	311D / 7L0153-7023	Customer:	TRQSS Car Model:	TOYOTA-RAV4	Document No.:		WI-ENG-PDE-96	63A
	Purpose:	PROTOTYPE	PRE-LAUNCH	MASSP	RO	Revision No.:	2	Page No.:	5 of 7
1. Assy 2. Black	parts Corrugated tube ø5 L=475±	4mm (no slit)	JIG: 1. Terminal cover jig						
PROCESS NAME WORK PROCEDURE/ ILLUSTRATION					TOOLS/PPE	QUALITY POINTERS			
			R	hands. Get the termin	al cover jig using right				
P1	Wire Insertion to Black Corrugated tube ø5 L=475±4mm (no slit)		using right hand	2. Get the Corrugated using right hand then using both hands.	tube ø5, L=475±4mm insert to B-V-G wires	Terminal cover Jig	No wrong usage of parts. No deformed terminal		
			R						
	2. Black	Model code/Part number: Purpose: 1. Assy parts 2. Black Corrugated tube ø5 L=475± PROCESS NAME Wire Insertion to Black Corrugated tube ø5 L=475±4mm	Process Name/Title: Model code/Part number: Purpose: PROTOTYPE 1. Assy parts 2. Black Corrugated tube ø5 L=475±4mm (no slit) PROCESS NAME Work F Wire Insertion to Black Corrugated tube ø5 L=475±4mm	Model code/Part number: State	Process Name/Title: TAPING ASSEMBLY PROCESS	Process Name/Title: TAPING ASSEMBLY PROCESS	Process Name/Title: TAPING ASSEMBLY PROCESS Validity Date: Model code/Part number: 311D / 7L0153-7023 Customer: TRQSS Cart Model: TOYOTA-RAV4 Document No:	Process Name/Title: TAPING ASSEMBLY PROCESS Model code/Pert number: 311D / 7L0153-7023 Customer: TRQSS Carl Model: TOYOTA-RAV4 Document No:	Process NameTitle: TAPING ASSEMBLY PROCESS Mail of the process NameTitle: TAPING ASSEMBLY PROCESS Mail of the process Mail o

				WC	ORK INSTR	UCTION			Effectivity Date:		January 13, 202	25	
		Process Name/Title:			TAPING A	ASSEMBLY PRO	CESS		Validity Date:	n/a			
		Model code/Part number:	311D /	7L0153-7	7023	Customer: TRQS	S Car Model:	TOYOTA-RAV4	Document No.:		WI-ENG-PDE-96	3A	
		Purpose:	PROTOTY	/PE		PRE-LAUNCH	MASSP	RO	Revision No.:	2	Page No.:	6 of 7	
PARTS:	1. Assy 2. Blac								JIG:	n/a			
NO.	F	PROCESS NAME WORK PROCEDURE/ ILLUSTRATION							TOOLS/PPE	(QUALITY POIN	ΓERS	
7	P1	Taping 1 Black corrugated tube to wire near terminal	Start taping 1. Hold the assy using left hand. C Black tape using hand then start to between COT to using both hands	Get the gright aping wire s.	±3mm	asure form end of COT ontinue the taping proc	up to terminal pess using both	hands	MEASURING TAPE 6 7 8 9 10 1 2 3 4 5 6 7 8 9 1	1. Please measuri measure Docum 1. Refer Taping 1. No flip-0 2.No peel- 3. No loos 4. No wror 5. No wror 6. No miss 7. No insur	nent references r to WI-PRO-ASY- process Dut tape off tape e tape ng dimension ng use of tape sing tape fficient tape Wire alignment tole	erified ting the S: 001A for	

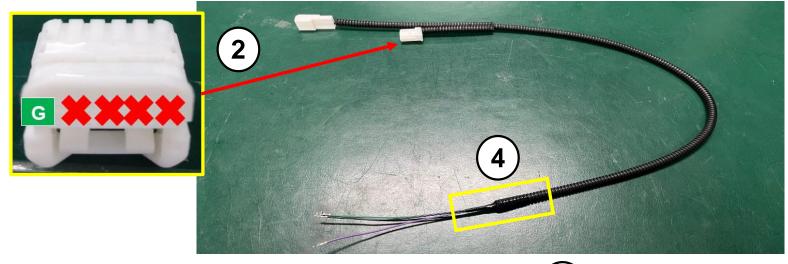


		WORK INSTRUCTION E							Effectivity Date:	January 13, 2025				
		Process Name/Title:	ocess Name/Title: TAPING ASSEMBLY PROCESS								n/a			
		Model code/Part number:	311D / 7L0153-7023	(Customer:	TRQSS	Car Model:	TOYOTA-RAV4	Document No.:		WI-ENG-PDE-96	33A		
		Purpose:	☐ PROTOTYPE	F	PRE-LAUNCH	I	MASSPR	80	Revision No.:	2	Page No.:	7 of 7		
									I	1				
PARTS:	1. Assy	y parts							JIG:	n/a				

VISUAL INSPECTION/ QUALITY CHECKPOINTS

TAPING - P1

7L0153-7023



- 1 No Unlocked/half-locked connector
- (3) No Terminal Backing out

2 No Wrong insert

4 No Missing tape

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