				WORK INSTRUCTION							<u> </u>		September 25,	er 25, 2024	
			Process Name/Title:	TAPI	NG ASSEMB	LY PRO	CESS			Vali	idity Date:		n/a		
		N	Model code/Part number:	373D / 7N0173-7020	Customer:	TRJ	Car Model:	TOYO	TA-RAV	4 Doc	cument No.:		W-ENG-PDE-6	06A	
			Purpose:	PROTOTYPE	PRE-LAUNCH	1	MASSPI	RO		Rev	vision No.:	3	Page No.:	1 of 9	
<u> </u>													•		
PARTS:			rts;Connector 6098-3871 (L); Black SV tube (Vinyl) ø5 L=24±2mm; Black Corrugated tube ø5 L=391±3mm (no slit); Black Tape 20mm; wires B L=220±2mm								JIG:	JIG: 1.Locking jig 2.Insertion jig			
N	0.	PR	ROCESS NAME	WORK	PROCEDURE/	/ ILLUSTF	RATION				TOOLS/PPE		QUALITY POINTERS		
NO.		∕3 3	\\ Table Lay-out	Connector 6098-3871 (L)	Table Lay Assy parts	AVSSf (L=22	0.3 wires B 20±2mm	Safety Instruction Be sure to wear prescribed personal protective equipment during operation (gloves, finger cots, etc.) Housekeeping 1. Maintain and always practice 5's. 2. Personal things on the workplace is prohibited. Keep it in your locker. Black Tape/Tape Holder Black Tape/Tape Holder Alert level For any trouble, inform the Assembly Assistant Supervisor or Line Leader for immediate				al al ant both side of the control o	1. No missing parts/tools 2. No excess parts/tools Document reference/s: 1. Refer to WI-PRO-CNC-017 for Wire and Strip Length Tolerance		
												!	line Assembly Pr		
	-	Revision History								Prepared by	Reviewed by	Approved by	Noted by		
09/25/24	3	Change table lay-out illustration. Inclusion of Wire insertion to black corrugated tube process. Change process sequence from no. 2 to no. 4. Transfer Spot taping process to P2. Improvement of Visual inspection/Quality pointers. A. Hernandez C. Villanueva A. Arañes							n/a						
05/20/23	2			ement from Genba check audit. Inclusion of Wire Insertion to Black SV tube (Vinyl) ø5 L=24±2mm D.Castillo J. Loterte C. Villanueva cress to prevent missing SV tube (Vinyl).							;				
01/31/23	1	Change from	m Pre-launch to Masspro. Inclus	sspro. Inclusion of Table lay-out (Page 1), Insertion jig (Page 2-5) and Quality pointers (Page 9). D.Castillo J. Loterte C. Villanueva A. Al						A. Arañes		Sout I villan			
12/16/22	0	Initial issue	e. D.Castillo J. Loterte C. Villanueva							A. Arañes	Arañes A. Hernandez C. Villanueva A. Arañes n/a				
Eff. Date	Rev. No			Details of Change			Revised	Reviewed	Approved	Noted	Est. Date:	December 16,2022			



			WORK IN	Effectivity Date:	September 25, 2024						
		Process Name/Title:	TAPI		Validity Date:		n/a				
		Model code/Part number:	373D / 7N0173-7020	Customer: TRJ	Car Model:	TOYOTA-RAV4	Document No.:		W-ENG-PDE-6	06A	
		Purpose:	PROTOTYPE	PRE-LAUNCH	MASSPI	RO	Revision No.:	3	Page No.:	2 of 9	
PARTS:	1. Conr	nector 6098-3871 (L)						1. Insertion jig			
NO.		PROCESS NAME	WORK	K PROCEDURE/ ILLUST	RATION		TOOLS/PPE	QUALITY POINTERS			
2	P1	Connector setting to insertion jig 6098-3871 (L)	Visual reference Push Button Press The insertion iig lock	L. C.	Release Release Release Release Release Release Release Release	ht hand and insert to	n/a	2. No wron	gn GOOD k is	nnector	

			WORK IN		Effectivity Date: September 25, 2024							
		Process Name/Title:	TAPI	NG ASSEMBLY F	ROCESS		Validity Date:		n/a			
		Model code/Part number:	373D / 7N0173-7020	Customer: TR	J Car Model:	TOYOTA-RAV4	Document No.:		W-ENG-PDE-606	iΑ		
		Purpose:	PROTOTYPE	PRE-LAUNCH	MASSPR	RO	Revision No.:	3	Page No.:	3 of 9		
PARTS:	1. Assy 2. Blac	/ parts k Corrugated tube ø5 L=39	11±3mm (no slit)	3. Black SV tube	(Vinyl) ø5 L=24±2m	m	JIG:	n/a				
NO.	F	PROCESS NAME	WORK	PROCEDURE/ ILLU	JSTRATION		TOOLS/PPE	QUALITY POINTERS				
3		Wire Insertion to Black Corrugated tube ø5 L=391±3mm (no slit)	L	R R	1. Get the Black (L=391±3mm (no then insert the Y-	Corrugated tube ø5 slit) using right hand OR wires.	n/a	1. No wron	g use of parts			
4	P1	Wire Insertion to Black SV tube (Vinyl) ø5 L=24±2mm	L	1. Get to L=24±2 OR wir	he Black SV tube (V Imm using right hand es.	inyl) ø5 d theb insert the Y-	n/a	1. No wron 2. No Defo	g use of parts rmed terminal			

			WORK IN	STRUCTION			Effectivity Date:		September 25, 2	2024
		Process Name/Title:	TAPIN	NG ASSEMBLY PRO	CESS		Validity Date:		n/a	
		Model code/Part number:	373D / 7N0173-7020	Customer: TRJ	Car Model:	TOYOTA-RAV4	Document No.:		W-ENG-PDE-60	06A
		Purpose:	PROTOTYPE	PRE-LAUNCH	MASSPF	RO	Revision No.:	3	Page No.:	4 of 9
PARTS:	1. Assy	parts					JIG:	1. Insertion	jig	
NO.	F	PROCESS NAME	WORK	PROCEDURE/ ILLUSTI	RATION		TOOLS/PPE	QUALITY POINTERS		
5	P1	Wie insertion to connector 6098-3871 (L)	1. Hold the insertion jig using left hand. Get the assy part and hold Yellow wire then insert to connecting right hand. Orange	to 4. After inser thumb and the	rtion, push the lo	pee open. Peess R Pock using left less and gently pull		Importan 1. Please during in 2. Make s inserted. after inse Do not e) Documen 1. Refer t and Strip	g insertion one insertion rm terminal g wire facing. It reminders/Note hold the wire ne sertion. Sure wires are pro Conduct Pull-Pu ertion. Kert extra force. It References: O WI-PRO-CNC-0 Length Toleranc O GL-PRO-ASY-0	operly sh-Pull-Push 117 for Wire

			WORK IN		Effectivity Date:	September 25, 2024				
		Process Name/Title:	TAPII	NG ASSEMBLY PRO	CESS		Validity Date:		n/a	
		Model code/Part number:	373D / 7N0173-7020	Customer: TRJ	Car Model:	TOYOTA-RAV4	Document No.:		W-ENG-PDE-60	06A
		Purpose:	PROTOTYPE	PRE-LAUNCH	MASSP	RO	Revision No.:	3	Page No.:	5 of 9
PARTS:	1. Assy	y parts				JIG:	1. Insertion jig			
NO.	P	ROCESS NAME	WORK	TOOLS/PPE	QUALITY POINTERS					
6	P1	Connector setting to insertion jig 6098-3871 (L) (Assy parts)	Visual reference Press R 1. Press the insertion jig lock using left hand.	Insertion Jig Orienta Press 2. Get the connector 6098-3 insert to insertion jig. Release	Release 8871 (L) using rise the lock after	ector Orientation R ight hand and rinsertion. k wire are open.	n/a	I-mar not a	GOOD k is	hole is open es are open anodel

			WORK IN	Effectivity Date:	September 25, 2024				
		Process Name/Title:	TAPI	NG ASSEMBLY PROC	ESS	Validity Date: n/a			
		Model code/Part number:	373D / 7N0173-7020	Customer: TRJ	Car Model: TOYOTA-RAV4	Document No.:		W-ENG-PDE-6	06A
		Purpose:	PROTOTYPE	PRE-LAUNCH	MASSPRO	Revision No.:	3	Page No.:	6 of 9
PARTS:	1. Assy 2. AVS	parts of 0.3 wires B L=220±2mm [2	pcs]			JIG:	1. Insertion jig		
NO.	F	PROCESS NAME	WORK	PROCEDURE/ ILLUSTRA	ATION	TOOLS/PPE	QUALITY POINTERS		
7		Wire insertion to Black SV tube (Vinyl) ø5 L=24±2mm (Assy parts)	1. Get the Black wire [2po ø5 L=24±2mm using right	cs] and insert to Black SV tuber hand.	e (Vinyl)	n/a	1. No wron	ng use of parts	
8	P1	Wie insertion to connector 6098-3871 (L)	insert to terminal slot 1 of ins		Wire Facing The the wires to see the slot for Black wire. 4. After insertion, push the lock using left thumb and then hold the wires and gently pull out the connector from jig using right hand.		3. One by 4. No defo 5. No wron Importan 1. Please during in 2. Make inserted Push aft Do not e Docume 1. Refer and Strip	ing insertion one insertion one insertion one insertion one insertion one treminal one wire facing. Interminders/Note of hold the wire no onsertion. Sure wires are pr of conduct Pull-Po or insertion. Interminders/Note or insertion. Interminders/Note or insertion. Interminders/Note o	ear terminal coperly ush-Pull- 017 for Wire ce

			WORK IN	Effectivity Date:	September 25, 2024					
		Process Name/Title:	TAPII	TAPING ASSEMBLY PROCESS			Validity Date:		n/a	
		Model code/Part number:	373D / 7N0173-7020	Customer: TRJ	Car Model:	TOYOTA-RAV4	Document No.:		W-ENG-PDE-6	06A
		Purpose:	PROTOTYPE	☐ PRE-LAUNCH	MASSP	RO	Revision No.:	3	Page No.:	7 of 9
PARTS:	1. Assy	parts				JIG:	1. Locking jig			
NO.	F	ROCESS NAME	WORK	TOOLS/PPE	(QUALITY POIN	ITERS			
9	P1	Connector lock	connector using right hand while left hand holding the	nolding fully in	Rig Let	rt of connector to king jig. R ht thumb-middle fit thumb-middle fit thumb-middle en press the or in the middle t and right hand. 6. Ensure that connector is in locked condition by touching the connector lock based on the sequence illustrated.	LOCKING JIG	2. Use prodamaged l	t reminders/Note I locking may cal	model to avoid

			WORK INS		Effectivity Date:		September 25, 20)24			
		Process Name/Title:	TAPIN	IG ASSEMBLY PRO	OCESS		Validity Date:		n/a		
		Model code/Part number:	373D / 7N0173-7020	Customer: TRJ	Car Model:	TOYOTA-RAV4	Document No.:		W-ENG-PDE-606	6A	
		Purpose:	PROTOTYPE	PRE-LAUNCH	MASSPRO		Revision No.:	3	Page No.:	8 of 9	
PARTS:	1. Assy 2. Black	parts tape 20mm							JIG: n/a		
NO.	F	PROCESS NAME	WORK I	PROCEDURE/ ILLUS	TRATION		TOOLS/PPE	QUALITY POINTERS			
10	P1	Taping 1 Black SV tube(vinyl) to Wire near connector	1. Hold the Black SV tube(vinyl) using measure from end of vinyl tube up to c 25±3mm. (Note: Without folding in Vinyl tube)	left hand and connector 2 til h	Start of taping 2. Get the Black taphen start taping probands. After taping, checked taping condition	c the measurement	estable 2009 page 25/2	1. Pleas measure measure 1. No flip-or 2. No peel- 3. No loose 4. No wron	ut tape off tape e tape g dimension g use of tape	erified	



