		WORK INSTRUCTION								tivity Date:		October 18, 2024			
			Process Name/Title:	CLAMP ASSEMBLY PROCESS				Valid	ity Date:		n/a				
	-1	5	Model code/Part number:	096D / 7L0120-7023	Customer: TRQSS	Car Model:	TOYOTA	-HIGLANDE	ER Docu	ment No.:		WI-ENG-PDE	693		
			Purpose:	PROTOTYPE	PRE-LAUNCH	MASS	PRO		Revi	sion No.:	1	Page No.:	1 of 6		
PARTS:	1. Assy parts ; Clamp 82711-52090 (W) ;Clamp 82711-48070 (GR) ; Clamp 82711-3A540 (W) ; Black tape (4pcs)									JIG: 1. Clamp assembly jig					
NO	١.	Pl	ROCESS NAME				TOOLS/PPE		QUALITY POINTERS						
1			MP Table lay-out	Clamp 82711- 52090 (W)/ Clamp tray	TABLE LAY OUT				pr	afety Instruction Be sure to wear required persona of otective equipme during operation gloves, finger cote etc.)	ent Docu	Iment reference er to WI-ENG-PDE- mbly process			
		CLAMP ASSY		Assy parts Clamp 827 48070 (GR Clamp tra			9 82711- W)/Clamp	1.	Housekeeping Maintain and alw practice 5's. Personal things the workplace is rohibited. Keep it your locker.	on 1. No m	No missing parts/tools No excess parts/tools				
				Clamp assembly jig	Black tape/ T Holder	2.04图1	Locking jig		the	Alert level or any trouble, info a Assembly Assist Supervisor or Line eader for immedia corrective action.	ant e ite				
	1	Revision History								Prepared by	Reviewed by	Approved by	Noted by		
										-					
10/18/24		Inclusion of checkpoin		odel "TOYOTA-HIGHLANDER". Update table lay-out, Measurement and Visual inspection/ Quality D. Castillo C. Villanueva A. Arañes											
06/07/23	0	Initial issue. Inclusion of connector lock process, improvement due to QC claim (Unlock connector). Integrate the locking jig to Assembly jig. Transfer Taping 1 Black COT to Black sunprene tube process to P1. Change Process name/ Title from Taping Assembly Process to Clamp Assembly Process; Document control no. from WI-ENG-PDE-243 to WI-ENG-PDE-693 due to separation process.						A. Arañes	D. Castillo	South for	A. Aragos	n/a			
Eff. Date R	lev. No			Details of Change		Revised	Reviewed	Approved	Noted 4	Est. Date:	June 07, 2023				



			WORK INSTR			Effectivity Date:		October 18, 202	4	
		Process Name/Title:	CLAMP /	ASSEMBLY PRO	DCESS	Validity Date:	n/a			
		Model code/Part number:	096D / 7L0120-7023	Customer: TRQS	Car Model: TOYOTA-HIGHLANDER	Document No.:		WI-ENG-PDE-69	93	
		Purpose:	PROTOTYPE	PRE-LAUNCH	MASSPRO	Revision No.:	1	Page No.:	2 of 6	
PARTS:	1. Blac 2. Clam	< tape [3pcs.] p 82711-52090 (W)		3.Clamp 82711-480 4.Clamp 82711-3A5		JIG:	1. Clamp as	ssembly jig		
NO.	F	ROCESS NAME	WORK PROCEDURE/ ILLUSTRATION			TOOLS/PPE	QUALITY POINTERS			
2	CLAMP	Clamp setting	2. Get 1pc. of clamp 82711-48070 (G	W) using right hand and GR) using right hand and W) using right hand and	d set to clamp location 1 using both hands and set to clamp location 2 using both hands d set to clamp location 3 using both hands	ls.	Important 1. Please start of a clamp. 1. No wrong 2. No wrong 3. No dama	reminders/Note/s: e check the Clamp ssembly to avoid w	tape	



			WORK INSTRUCT	Effectivity Date:	October 18, 2024				
		Process Name/Title:		EMBLY PROCESS		Validity Date:		n/a	
		Model code/Part number:		tomer: TRQSS Car Model:	TOYOTA-HIGHLANDER	Document No.:		WI-ENG-PDE-6	93
		Purpose:	PROTOTYPE PRE	-LAUNCH MASSPF	RO	Revision No.:	1	Page No.:	3 of 6
PARTS:	1. Assy	parts		JIG:	1. Locking jig				
NO.	F	ROCESS NAME	WORK PROCE	DURE/ ILLUSTRATION		TOOLS/PPE	(QUALITY POIN	TERS
3	CLAMP	Connector lock	1. Put the connector into locking jig using right hand then press 2x to lock using both hands. Check the lock if properly locked.	Coupler Cross Section NG NG Double D	GOOD	Contractor of the Contractor o	1. MANU DAMAGE 1. Use the 2. No unloce	nt reminders/Note AL LOCKING MA ED CONNECTOR provided locking ji ck/half-locked conr of locking process	g per model



			WORK II	Effectivity Date:	October 18, 2024					
		Process Name/Title:	CLA	MP ASSEMBLY PROC	ESS	Validity Date:		n/a		
		Model code/Part number:	096D / 7L0120-7023	Customer: TRQSS	Car Model: TOYOTA-HIGHLANDER	Document No.:		WI-ENG-PDE-6	93	
		Purpose:	PROTOTYPE	PRE-LAUNCH	MASSPRO	Revision No.:	1	Page No.:	4 of 6	
PARTS:	1. Assy 2. Black					JIG:	1. Clamp As	ssembly jig		
NO.	P	ROCESS NAME	WORK	(PROCEDURE/ ILLUSTR	ATION	TOOLS/PPE	QUALITY POINTERS			
4	CLAMP	Clamp assembly	1. Get the assy parts and set into j (W) to Receiver base 1 then lock. terminal to terminal to avoid sensor sequence light in location 1 was O 2. Check the LED light for POWER STOP the process, CALL the atter 3. Hold the tape on clamp location Continue the process if sequence I	SEQUENCE (See above picture for continue to set the harness in malfunction of clamp) within the continue to set the harness in malfunction of clamp) within the continue to set the harness in malfunction of clamp) within the continue to set the harness in malfunction of clamp) within the continue to set the harness in the continue to set the harness in the continue to set the harness in the continue to set the con	ne tape using both hands. Press the SV	tered abnormality, V button after taping.	Importan 1. Make s and stopp 2. Make 2 1. No wron 2. No wron 3. No dam	ng use of parts ng use of tape aged clamp ng clamp position	en terminal	



			WORK IN	Effectivity Date:	October 18, 2024					
		Process Name/Title:	CLAN	Validity Date:		n/a				
		Model code/Part number:	096D / 7L0120-7023	Customer: TR	QSS Car Model: TOYOTA-H	IIGHLANDER	Document No.:		WI-ENG-PDE-69	3
		Purpose:	PROTOTYPE	PRE-LAUNCH	MASSPRO		Revision No.:	1	Page No.:	5 of 6
PARTS:	1.Assy							n/a		
NO.	F	PROCESS NAME	<u> </u>	PROCEDURE/ ILLU	ISTRATION		TOOLS/PPE	QUALITY POINTERS		
5	CLAMP		(5) 223 ±3 (4) 184 ±3 (2) 39 ±3 (3) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	© 124±3 © B U ube (Sunprene) ø5	⑦ 154±3 ⑤ B	B	MEASURING TAPE 6 7 8 9 10 1 2 3 4 5 6 7 8 9 6 8 140 ±3 9 0 5 0 White	Importan 1.Please measurin measure 2. For Ha Owarimo Documer 1. Refer to Sub-asser Nakamono	t reminders and no use calibrated /ve ng tape when getti ment. atsumono,Nakamo	ote/s: rified ng the no and



			Effectivity Date:	Date: October 18, 2024						
		Process Name/Title:	CLAN	Validity Date:	n/a					
		Model code/Part number:	096D / 7L0120-7023	Customer:	TRQSS	Car Model: TOYOTA-HIGHLANDER	Document No.:		WI-ENG-PDE-	693
		Purpose:	PROTOTYPE	PRE-LAUNCH	I	MASSPRO	Revision No.:	1	Page No.:	6 of 6
								ı		
PARTS:	1.Assy	parts	۸				JIG:	n/a		

VISUAL INSPECTION/ QUALITY CHECKPOINTS

CLAMP ASSY

7L0120-7023



1 No Wrong facing of clamp



(2)(3) No Missing Tape (Black tape)

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