					TRUCTION		Effectivity Date:		July 18, 2024	
			Process Name/Title:		IP ASSEMBLY PRO	CESS	Validity Date:		n/a	
			Model code/Part number:	178D / 7N0129-7021A	Customer: TRJ	Car Model: TOYOTA COROLLA	Document No.:		WI-ENG-PDE-973	
			Purpose:	PROTOTYPE	PRE-LAUNCH	MASSPRO	Revision No.:	0	Page No.:	1 of 7
PARTS:				0 (W); Clamp 82711-3A540 (W); Clamp 8:	JIG:	Clamp assembly jig QUALITY POINTERS				
N) .	PROCESS NAME WORK PROCEDURE/ ILLUSTRATION							QUALITY POINT	=K5
1				Clamp 82711-52090 (W)/ Clamp tray	TABLE LAY-OU	I-3A540 (W)/	Safety Instruction Be sure to wear prescribed personal protective equipment during operation (gloves, finger cots, etc.)	1. Refer t	ent reference/s: to WI-ENG-PDE-463 ssembly process	8A-B for
		Clamp Assy	Table Lay-out	Clamp assembly jig	Assy parts	Clamp 82711-34490 (B)/ Clamp tray	Housekeeping 1. Maintain and always practice 5's. 2. Personal things on the workplace is prohibited. Keep it in your locker.		ing parts/tools ss parts/tools	
						AND	Alert level For any trouble, inform the Assembly Assistant Supervisor or Line Leader for immediate corrective action.			
				Black tape/I	Tape holder	White tape/Tape holder	BANDO GUN			
1				Revision History			Prepared by Ro	eviewed by	Approved by	Noted by
07/18/24	0	Initial issu	e. Separate clamp assy from Ta	aping assembly process.		D.Castillo C.Villanueva A. Arañes N	J/A D.Castillo C.	of form	A. Atapes	n/a
Eff. Date	Rev. No			Details of Change		Revised Reviewed Approved No		8, 2024		
				<u></u>						



			WORK INS	TRUCTION		Effectivity Date:		July 18, 202	4
		Process Name/Title:	CLAM	IP ASSEMBLY PRO	CESS	Validity Date:		n/a	
		Model code/Part number:	178D / 7N0129-7021A	Customer: TRJ	Car Model: TOYOTA COROLLA	Document No.:		WI-ENG-PDE-	973
		Purpose:	PROTOTYPE	PRE-LAUNCH	MASSPRO	Revision No.:	0	Page No.:	2 of 7
	1 Clan	np 82711-52090 (W) [4pcs.	1						
PARTS:	2. Clan 3. Clan	np 82711-3A540 (W) np 82711-34490 (B)	.1	4. Black tape [4pcs.]5. White tape		JIG:	1. Clamp assembly jig		
NO.	F	PROCESS NAME	WORK I	PROCEDURE/ ILLUST	TRATION	TOOLS/PPE	(QUALITY POIN	ITERS
2	Clamp Assy	Clamp setting	1. Get 2 pcs. of clamp 82711-52090 then insert to clamp location 5 and 2. Get 2 pcs. of clamp 82711-52090 then insert to clamp location 3 and 3. Get 1 pc. of clamp 82711-3A540 then insert to clamp location 6 using 4. Get 1 pc. of clamp 82711-34490 then insert to clamp location 2 using	1 using both hands. 2 (W) using both hands 4 using both hands. (W) using right hand 9 both hands.	5. Get the White tape then initially a using both hands. 6. Get the Black tape then initially a 1, 6 and 4 using both hands.	attach to clamp location 3	2. No wron 3. No dam 4. No wvro STAN Importa 1. Please of assemb GOOD GOOD	BAND CLAMP ILLUS	FOR CLAMP er tape Vote/s: first before start use of clamp. N 82711-12A80(W)

			WORK INS	STRUCTION		Effectivity Date:	Ι	July 18, 2024		
		Process Name/Title:	CLAM	IP ASSEMBLY PRO	CESS	Validity Date:		n/a		
		Model code/Part number:	178D / 7N0129-7021A	Customer: TRJ	Car Model: TOYOTA COROLLA	Document No.:		WI-ENG-PDE-9	73	
		Purpose:	PROTOTYPE	PRE-LAUNCH	MASSPRO	Revision No.:	0	Page No.:	3 of 7	
PARTS:	1. Assy 2. Black			3. White tape		JIG:	1. Clamp a	1. Clamp assembly jig		
NO.	F	ROCESS NAME	WORK F	PROCEDURE/ ILLUSTF	RATION	TOOLS/PPE	(QUALITY POINTERS		
3	Clamp Assy	Clamp assembly	(GR) to Checker 1 then pull the checker then pull the checker fixture for continue if the press by Toggle clamp. Continue if the second	(See above picture for concepts fixture for continuity checking. Continue to state sequence light of location to the sequence light of locatio	82711-3A540(W) 82711-3449 COLOR SENSOR WHITE TAPE ONLY Prrect setting of harness). First, set the ecking. Second, set the connector 6189-set the harness in jig. Last, set the PCB in 1 was ON. 82711-34490(B) NG UNLOCKED TOG O (B) is locked and the toggle clamp is set, the toggle clamp is set.	connector 6188-0066 0451 (W) to Checker 2 within the stopper then GLE set, the	2. No wror 3. No dam 4. No wror Importa 1. Make s and PCB.	BAND CLAMP ILLUSTI	n stopper jig	

WORK INSTRUCTION Effectivity Date: July 18										
		Process Name/Title:		SSEMBLY PROC	CESS	Validity Date:	n/a			
	H	Model code/Part number:		Customer: TRJ	Car Model: TOYOTA COROLLA	Document No.:		WI-ENG-PDE-9	73	
		Purpose:	PROTOTYPE P	PRE-LAUNCH	MASSPRO	Revision No.:	0	Page No.:	4 of 7	
PARTS:	1. Assy 2. Blac			3. White tape		JIG:	Clamp assembly jig			
NO.	F	PROCESS NAME	WORK PROC	CEDURE/ ILLUSTR	ATION	TOOLS/PPE	(QUALITY POIN	ΓERS	
3	Clamp Assy	Clamp assembly (Continuation)	2. Check if all LED light for Power On, Cla abnormality, STOP and immediately CALI then continue the process. 3. Hold the tape on clamp location 1, make 3 windings of tape then cut the tape using both hands. Press the SW button after taping. Continue the process if sequence light on clamp location 2 was ON. Unlock pin GOOD NG NOTE: Pin must be hit during cutting of bando gun.	COLOR SENSO WHITE TAPE ON Amp On, Wire1 & Wire L the attention of the least the sing both hands. 5. Get the bando go band clamp on loca SW button after cu	e2 was ON. If encountered eader. WAIT for further instruction the band clamp on clamp location 2 un using right hand then cut the ation 2 using both hands. Press the att. Continue the process if clamp location 3 was ON. Fixed setting of band clamp cutter: 1~ 2	BANDO GUN	Importal 1. Make st and PCB.	ng use of parts ag use of tape aged clamp aged clamp aged clamp aged clamp aged clamp aged clamp position. The reminders/Neure no gap between the part of the par	n stopper jig	

				STRUCTION		Effectivity Date:	<u> </u>	July 18, 2024	
		Process Name/Title:	CLAI	MP ASSEMBLY PRO	CESS	Validity Date:		n/a	
		Model code/Part number:	178D / 7N0129-7021A	Customer: TRJ	Car Model: TOYOTA COROLLA	Document No.:		WI-ENG-PDE-9	73
		Purpose:	PROTOTYPE	PRE-LAUNCH	MASSPRO	Revision No.:	0	Page No.:	5 of 7
1. Assy parts 2. Black tape 3. White tape						JIG:	1. Clamp a	assembly jig	
NO.	F	ROCESS NAME	WORK	PROCEDURE/ ILLUSTE	RATION	TOOLS/PPE	(QUALITY POIN	TERS
3	Clamp	Clamp assembly (Continuation)	CONNECTOR SETTING CHECKER 1 6. Hold the tape on clamp location 3, then cut the tape using both hands. 6 beep/buzz if sensor detects White tafter taping. Continue the process if location 4 was ON. 8. Hold the tape on clamp location 5 then cut the tape using both hands. It taping. Continue the process if sequel location 6 was ON.	CONNECTOR SETTING O (W) make 3 windings of tape Color sensor light will upe. Press the SW button sequence light on clamp make 3 windings of tape Press the SW button after	82711-3A540(W) 82711-34490 COLOR SENSOR WHITE TAPE ONLY 7. Hold the tape on clamp location tape then cut the tape using both h button after taping. Continue the p on clamp location 5 was ON. 9. Hold the tape on clamp location tape then cut the tape using both h button after taping. Go sound will	4, make 3 windings of ands. Press the SW rocess if sequence light 6, make 3 windings of ands. Press the SW	1. No wror 2. No wror 3. No dam 4. No wror Importal 1. Make st and PCB. 2. Make 2: G000 82711-	ng use of parts ng use of tape aged clamp ng clamp position The reminders/Neure no gap between CLAMP ILLUSTRATION BAND CLAMP ILLUSTI NG S2090 (W) S3	ote/s: n stopper jig mp taping.

				TRUCTION		Effectivity Date:		July 18, 2024		
		Process Name/Title:		P ASSEMBLY PRO		Validity Date:		n/a		
		Model code/Part number:	178D / 7N0129-7021A	Customer: TRJ	Car Model: TOYOTA COROLLA	Document No.:		WI-ENG-PDE-97	3	
		Purpose:	PROTOTYPE	PRE-LAUNCH	MASSPRO	Revision No.:	0	Page No.:	6 of 7	
PARTS:	1. Assy	narts				JIG:	N/A			
		·								
NO.	PROCESS NAME WORK PROCEDURE/ ILLUSTRATION TOOLS/PPE					QUALITY POINTERS				
4	Clamp Assy	Measurement	(3) 25 ±3 (2) 51	© B •••••••••••••••••••••••••••••••••••	8 124±3 9 131±3 11 1	(C) (B) 25 ±3 (A) 25 ±3	1. FOR I OWARIII 2. Pleasumeasurii measurii Meas	e use calibrated/ver ng tape when gettin	rified g the	

			Effectivity Date:		July 18, 2024				
		Process Name/Title:	CLAN	MP ASSEMBLY PROC	ESS	Validity Date:		n/a	
		Model code/Part number:	178D / 7N0129-7021A	Customer: TRJ	Car Model: TOYOTA COROLLA	Document No.:		WI-ENG-PDE-9	73
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PARTS:	1. Assy	parts				JIG:	N/A		

VISUAL INSPECTION/ QUALITY CHECKPOINTS

CLAMP ASSY

7N0129-7021A



1 No Wrong facing of clamp

2 3 4 No Missing Tape (Black tape)

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