					STRUCTION			E	ffectivity Date:		July 4, 2024			
			Process Name/Title:	TAPIN	NG ASSEMBLY PROC				alidity Date:		n/a			
	-1		Model code/Part number:	178D / 7N0128-7021A	Customer: TRQSS	Car Model:	TOYOTA-COF	ROLLA	ocument No.:		WI-ENG-PDE-41	9A		
			Purpose:	PROTOTYPE	PRE-LAUNCH	MASSPI	RO	R	Revision No.:	4	Page No.:	1 of 10		
PARTS:		Corruga		0.3 wires Y-OR L=364±2mm; Black Corrugated tube ø7 L=532±5mm (		/SSf 0.3 G-B/			JIG:	Locking ji     Terminal		TERS		
	<u>,                                     </u>	•	TOOLOG TEAMLE	WORK	T ROOLDONLY ILLOOTHY	111011			10020/112		ROALIII I OIKI	LICO		
				Connector 6188-0066 (GR)/ Connector tray	Table Lay-out  Black Corrugated tube Ø7 L= 25±3mm (no slit)	C	ector 6189-1161 connector tray	(B)/	Safety Instruction  Be sure to wear prescribed person- protective equipme during operation (gloves, finger cottet).	al ent Docume	ent reference/s. o WI-PRO-CNC-01 Strip Length Tole	7 for		
1		P1	Table Lay-out		AVSSf 0.3 wires OR L=364±2mm		Black Corru tube Ø7 L=532± (no slit	:5mm	Housekeeping  1. Maintain and alwa practice 5's.  2. Personal things the workplace is prohibited. Keep it your locker.	1. No missir 2. No exces	No missing parts/tools     No excess parts/tools			
				Insertion jig B  MR SW CP TVSSf 0.3 G-B/W wires L=655±3mm	Terminal Cover jig Black tape Tape holde Locking jig		21111111		Alert level For any trouble, info the Assembly Assist Supervisor or Line Leader for immedia corrective action.	ant e ite				
			-	Revision History					Prepared by	Reviewed by	Approved by	Noted by		
07/04/24	4	Inclusion	of car model "TOYOTA-COROL	LA".		D.Castillo (	C.Villanuev a A. Arai	n/a						
10/13/22	3		Wire length MRSW CP TVSSf G	-B/W from L=654±3mm to L=655±3mm; COT le dimension after assembly.	ength from Ø7 L=27±3mm to	M. Ariola	J. Loterte C. Villan	nueva A. Arai	ñes					
09/20/22	2			+3/-1 as immediate action for encountered NG of con page 1, 3, 6, 7, 8 and 9. Improve work proc		M. Ariola	J. Loterte C. Villan	nueva A. Arai	ñes <b>Latulo</b> D. Castillo	C.Villanueva	A. Araños	n/a		
Eff. Date	Rev. No			Details of Change		Revised	Reviewed Approv	ved Note		February 19, 2022				



			WORK IN		Effectivity Date: July 4, 2024					
		Process Name/Title:	TAPII	NG ASSEMBI	LY PROCES	S	Validity Date:		n/a	
		Model code/Part number:	178D / 7N0128-7021A	Customer:	TRQSS Car	Model: TOYOTA-COROLLA	Document No.:		WI-ENG-PDE-4	19A
		Purpose:	PROTOTYPE	PRE-LAUNCH		MASSPRO	Revision No.:	4	Page No.:	2 of 10
PARTS:	1. Conn	ector 6188-0066 (GR)					JIG:	Insertion jig with switch cover		
NO.	F	PROCESS NAME	WORK	PROCEDURE/	ILLUSTRATIO	ON	TOOLS/PPE	(	QUALITY POIN	TERS
2	P1	Connector setting to insertion jig 6188-0066 ( GR )	Orange wire Yellow wire Visual reference  1. Press the lock using left thumb.	I-mark Lock INSE ORIE	a jig. Release the econnector orie	CONNECTOR ORIENTATION  CONNECTOR ORIENTATION  Releas  GR) using right hand and lock after insertion.  Intation.  Every wire guide upward using of for Y wire will be opened.	n/a	I-ma is all I-ma not a leave to the part of the part o	GOOD GOOD	hole is open  2 holes are open



			WORK INST	TRUCTION			Effectivity Date:		July 4, 2024		
		Process Name/Title:		G ASSEMBLY PROC	ESS		Validity Date:		n/a		
		Model code/Part number:	178D / 7N0128-7021A		Car Model: TOYOTA	A-COROLLA	Document No.:		WI-ENG-PDE-41	9A	
		Purpose:	PROTOTYPE	PRE-LAUNCH	MASSPRO		Revision No.:	4	Page No.:	3 of 10	
PARTS:	1. AVSS	of 0.3 wires Y L=364±2mm; O	R L=364±2mm				JIG:	1. Insertion	Insertion jig with switch cover		
NO.	F	PROCESS NAME	WORK P	ROCEDURE/ ILLUSTRA	ATION		TOOLS/PPE	QUALITY POINTERS			
3	P1	Wire Insertion to connector 6188-0066 (GR)	1. Hold the insertion jig using left hand.  Get the Y wire then insert to terminal states a summary of the states are summ	slot for Ol	Press  the button using right the wire will be opened.  Press  The push the lock using I the wires and gently puljig using right hand.	R left thumb		3. One by 4. No defo 5. No wron 1. Pleas 2. Make inserted Conductinsertion Do not 6. Docum 1. Refer to Wire and 2. Refer 1.	ig insertion one insertion rmed terminal ng wire facing  ant reminders/ e hold the wire ne sure wires are po	ear terminal. roperly Push after S: 17 for erance	



				TRUCTION		Effectivity Date:		July 4, 2024	
		Process Name/Title:		IG ASSEMBLY PROC		Validity Date:		n/a	
		Model code/Part number:	178D / 7N0128-7021A	Customer: TRQSS	Car Model: TOYOTA-COROLLA	Document No.:		WI-ENG-PDE-419	9A
		Purpose:	PROTOTYPE	PRE-LAUNCH	MASSPRO	Revision No.:	4	Page No.:	4 of 10
PARTS:	1. Assy 2. Black	parts corrugated tube (no slit) Ø7 L	_=25±3mm	3. Black corrugated tube	(no slit) Ø5 L=285±3mm	JIG:	n/a		
NO.	F	PROCESS NAME	WORK	PROCEDURE/ ILLUSTR	ATION	TOOLS/PPE	QUALITY POINTERS		
4	P1	Wire Insertion to Corrugated tube (no slit) Ø7 L=25±3mm	L	R	1. Hold the wires using left hand. Get the Corrugated tube (no slit) Ø7 L=25±3mm using right hand then insert the Yellow- Orange wires using left hand.	n/a	1. No wrong 2. No deforr	use of parts ned terminal	
5		Wire insertion to Black corrugated tube (no slit) Ø5 L=285±3mm	L	R	1. Hold the wires using left hand. Get the Corrugated tube (no slit) ø5 L=285±3mm using right hand then insert the Y-OR wires using left hand.	n/a	1. No wrong 2. No deforr	guse of parts ned terminal	

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			WORK INS	STRUCTION				Effectivity Date: July 4, 2024			
		Process Name/Title:	TAPIN	IG ASSEMB	LY PROC	ESS		Validity Date:		n/a	
		Model code/Part number:	178D / 7N0128-7021A	Customer:	TRQSS	Car Model:	TOYOTA-COROLLA	Document No.:		WI-ENG-PDE-4	19A
		Purpose:	PROTOTYPE	PRE-LAUNCH	l	MASSF	PRO	Revision No.:	4	Page No.:	5 of 10
PARTS:	1. Conr	nector 6189-1161 (B)						JIG:	1. Insertion	jig	
NO.	F	PROCESS NAME	WORK	PROCEDURE	/ ILLUSTR	ATION		TOOLS/PPE	(	QUALITY POIN	TERS
6	P1	Connector setting to insertion jig 6189-1161 ( B )	thumh	2. Get the conne insertion jig. Rele	Press  ctor 6189-11: ease the lock of connector	61 (B) using after insertion orientation.  3. Push the	Release right hand and insert to on. e lower wire guide and left thumb. Slot for	n/a	I-ma not  1. Use the 2. No wrong 3. No wrong 3. No wrong 3.	GOO	nole is open

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NB	7	Process Name/Title:		G ASSEMBLY PROC		Effectivity Date: Validity Date:		July 4, 2024 n/a	
MEX		Model code/Part number:  Purpose:	178D / 7N0128-7021A  □ PROTOTYPE	Customer: TRQSS	Car Model: TOYOTA-COROLLA  MASSPRO	Document No.:  Revision No.:	4	WI-ENG-PDE-41 Page No.:	<b>9A</b> 6 of 10
PARTS:	1. Assy		PROTOTYPE	PRE-LAUNCH	MASSPRU	JIG:	1. Insertion		6 01 10
NO.		PROCESS NAME	WORK F	PROCEDURE/ ILLUSTRA	ATION	TOOLS/PPE		QUALITY POIN	TERS
7	P1	Wire insertion to connector 6189-1161 (B)	1. Hold the insertion jig using left hand Get the Y wire then insert to terminal s 1 using right hand.	2. Press slot for Y	ACING  Press  the button using right thumb. The wire will be opened.	n/a	1. Make: inserted Conductinsertion Do not e  Docur  1. Refer Wire and 2. Refer Pull-Pus  1. No loose 2. No wrong 3. One by 0 4. No defor	t Pull-Push-Pull-P n. exert extra force. ment reference/ to WI-PRO-CNC-0 d Strip Length Tol to GL-PRO-ASY-0 sh procedure.	operly dush after ds: 17 for lerance

Press

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.

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3. Get the OR wire then insert to terminal

slot 2 using right hand.

2 Orange

	_		WORK	Effectivity Date: July 4, 2024								
	AL	Process Name/Title:		ING ASSEMBL	Y PROCI	ESS		Validity Date:		n/a		
		Model code/Part number:	178D / 7N0128-7021A	Customer:	TRQSS	Car Model:	TOYOTA-COROLLA	Document No.:		WI-ENG-PDE-41	9A	
		Purpose:	PROTOTYPE	PRE-LAUNCH		MASSP	PRO	Revision No.:	4	Page No.:	7 of 10	
PARTS:	1. Assy	parts						JIG:	1. Locking j	1. Locking jig		
NO.	F	PROCESS NAME	WOR	K PROCEDURE/	ILLUSTRA	TION		TOOLS/PPE	QUALITY POINTERS			
8	P1	Connector lock		pu	GOOD  GOOD  KED	susing both clock if pro	O locking jig and th hands. Check operly locked.  NO GOOD  GOOD  LY LOCKED DINDITION	n/a	1. Refer to Pull-Pus 2. Make sinserted Conductinsertion Do not 6	t Pull-Push-Pull n. exert extra force insertion g insertion ne insertion med terminal	-029 for roperly - <u>Push</u> after	



			WORK INS	TRUCTION		Effectivity Date:		July 4, 2024	
		Process Name/Title:			LY PROCESS	Validity Date:		n/a	
		Model code/Part number:	178D / 7N0128-7021A			Document No.:		WI-ENG-PDE-41	9 <b>A</b>
		Purpose:	PROTOTYPE	PRE-LAUNCH		Revision No.:	4	Page No.:	8 of 10
	1							•	
PARTS:		N CP TVSSf 0.3 G-B/W wire Corrugated tube Ø7 L=532±				JIG:	n/a		
NO.	F	ROCESS NAME	WORK F	ROCEDURE/	ILLUSTRATION	TOOLS/PPE	(	QUALITY POIN	TERS
9	P1	Wire insertion to Black Corrugated tube (no slit) Ø7 L=532±5mm		R	1. Get the MRSW CP TVSSf 0.3 G-B/W wires L=655±3mm using left hand, then get the terminal cover jig using right hand then insert to both terminals (G-B/W wires) using right hand.  2. Get the corrugated tube Ø7 L=532±5mm using right hand then insert the G-B/W wires using left hand.	TERMINAL COVER JIG		usage of parts ged rubber seal	



NIDA		WORK INST	RUCTION		Effectivity Date:	Effectivity Date: July 4, 2024				
		Process Name/Title:	TAPING	S ASSEMBLY PRO	CESS	Validity Date:		n/a		
		Model code/Part number:	178D / 7N0128-7021A	Customer: TRQS	S Car Model: TOYOTA-COROLLA	Document No.:		WI-ENG-PDE-4	1 <b>9A</b>	
		Purpose:	PROTOTYPE	PRE-LAUNCH	MASSPRO	Revision No.:	4	Page No.:	9 of 10	
PARTS:	1. Assy 2. Black	tape				JIG:	n/a			
NO.	F	ROCESS NAME	WORK PF	ROCEDURE/ ILLUST	RATION	TOOLS/PPE		QUALITY POINTERS		
10	P1	Taping 1 COT to wire near hotmelted wire	Start of taping  1. Hold the assy parts using left hand Black tape then conduct pre-taping both hands.  25±3mm  26 +3mm  25±3mm  26 +3mm  26 +3mm	2. Measure f hotmelted wi process using  3. Confirm end of tape the taping p  4. Confirm 1mm from PCB then cusing both  5. After and tapes.	from end of COT up to edge of dires 51±3mm then continue the taping and both hands  measurement of 25±3mm from the up to end of COT then continue process using both hands.  measurement of 26+3/- and of tape up to edge of continue the taping process hands.	n/a	1. Pleas measur measur 1. Refer procedu  1. No flip-ol 2. No peel-d 3. No loose 4. No missi 5. No wrong	ent reference/s: r to WI-PRO-ASY- ure. ut tape off tape	verified tting the	



			WORK INS	TRUCTION		Effectivity Date:		July 4, 2024	
		Process Name/Title:		IG ASSEMBLY	/ PROCESS	Validity Date:		n/a	
		Model code/Part number:	178D / 7N0128-7021A	Customer: <b>T</b>	TRQSS Car Model: TOYOTA-COROLLA	Document No.:		WI-ENG-PDE-4	19A
		Purpose:	PROTOTYPE	PRE-LAUNCH	MASSPRO	Revision No.:	4	Page No.:	10 of 10
PARTS:	1. Assy	parts				JIG:	n/a		
			VIS	SUAL INSPECTION	ON/ QUALITY CHECKPOINTS				
<b>P</b> (5)		2			3		4		NO OO
1 2	N	o WRONG IN: o TERMINAL   O UNLOCK CO	BACKING OUT			SING COT			

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