					WORK INSTRU	JCTION					Effe	ectivity Date:		March 10, 2	023
			Process Name/Title:		TAPING	ASSEME	BLY PROC	ESS			Val	idity Date:		n/a	
	-1		Model Code/Part Number:	380D /	7L0141-7020A	Customer:		TRQSS			Doo	cument No.:		WI-ENG-PDE	-647
			Purpose:	☐ PROTOT	YPE	PRE-LAUNC	Н	☐ MASSE	PRO		Rev	vision No.:	0	Page No.:	1 of 11
PARTS:		2. TVS	nsertion: Connector 6188-0066 of 0.3 wires GR-B/W L=678±3m		17160-9465 (B) (2pcs.) WORK PRO	OCEDURE	=/III USTR/	ATION				JIG:	n/a	QUALITY POI	NTERS
140	<i>)</i> .		FROCESS NAME		WORKER	JCLDUKL	-/ ILLUSTIX/	ATION			:-		1	QUALITIFOI	MILKS
					CONNECTOR ORIENTATION	2 OS	DS 1	v	VIRE FACING		i B	Safety Instruction e sure to wear required personal protective equipment during equipment during experation (gloves, fin cots, etc.) Housekeeping	red ! 1. No w ger	rong orientation of co rong use of connector anguaged connector rong insertion of wire ose insertion rong insertion by one insertion	or
1		n/a	Wire Insertion to Connector 6188-0066 (GR)	Black/White wire	Black/white R or 6188-0066 (GR) then hold to and insert to terminal slot 1 or ght hand. Conduct 2x push pull	he f	2. Hold the con Gray wire and using right har insertion.	insert to terr	ninal slot 2 o	of connector	2 2 . v	1. Maintain and alwipractice 5's. Personal things on workplace is prohibit Keep it in your locket always and the series of the Assembly Assistate Supervisor or Line Leader for immedia corrective action.	9. No w the ! ed. ! Import 1. Plea. 2. Mak Conduc Do not mint ! Docum 1. Refe procee te ! 2. Refe	eformed terminal rong wire facing ant reminders/Note/s: se hold the wire near te sure wires are propet Pull-Push of exert extra force. Hent references: rr to GL-PRO-ASY-029 fure. rr to WI-PRO-CNC-017 Tolerance	erminal. erly inserted. ufter insertion. for Pull-Push
	l				Revision History							Prepared by	Reviewed by	Approved by	Noted by
03/10/23	0	Initial issu	e		-			M. Catapang	J. Loterte	C. Villanueva	A. Arañes	M. Catapang	J. Loverte	C. Villanueva	A. Arabes
Eff. Date				Details of	Change			Prepared	Reviewed	Approved	Noted	Est. Date:	March 10, 2023		7 11.000

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		Process Name/Title:	TAPING A	ASSEMBLY PROCE	SS	Validity date	n/a
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		Purpose:	□ РКОТОТУРЕ	PRE-LAUNCH	☐ MASSPRO	Revision No.:	0 Page No.: 2 of 11
		·				<u> </u>	
PARTS:	1. Assy 2. Black	r parts k Corrugated tube Ø5 L=481±3	3mm (no slit)			JIG	Locking jig Terminal cover jig
NO.		PROCESS NAME	WORK PRO	CEDURE/ ILLUSTRAT	ION	TOOLS/PPE	QUALITY POINTERS
2		Connector Lock	1. Put the connector into locking jig using right hand then press 2x. Check if properly locked.	Connect NG ore pressing Unlock Condition	or Cross Sectional View NG GOOD Half Lock Condition Full Lock Condition	Locking Jig	Use the provided locking jig per model No unlock/half-locked connector
3	n/a	Wire Insertion to Black Corrugated tube Ø5 L=481±3mm (no slit)	1. Get the terminal cover jig using right han then insert the GR-B/W wires using left han		tube (no slit) Ø5 L=481±3mm then insert the GR-B/W wires	TERMINAL COVER JIG	1. No wrong use of parts 2. No deformed terminal

			W	ORK INSTRUCT			Effectivity Date:		March 1	0, 2023
		Process Name/Title:		TAPING ASS	SEMBLY PRO	DCESS	Validity date		n,	'a
		Model Code/Part Number:	380D / 7L	_0141-7020A	Customer:	TRQSS	Document No.:		WI-ENG-	PDE-647
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									ī	
PARTS:	1. Ass 2. Blac	y parts k VM tube (Sunprene) Ø5 L=1:	25±3mm		3. Black tape			JIG	n/a	
NO.		PROCESS NAME		WORK PROCE	DURE/ ILLUST	RATION	TOOLS/	PPE	QUALITY I	POINTERS
4		Wire insertion to Black VM tube (Sunprene) Ø5 L=125±3mm				If tube (Sunprene) Ø5 L=125±3mm and then insert the GR-B/W wires and.	n/a		No wrong use of 2. No deformed term	
5	n/a	Taping 1 Black sunprene tube to wire near terminal	3 9 [1] 1	hand, get 3.7	7 8 9 e width	sunprene tube up to end of the terminal pointed tip 59±3mm using both hands.	6 7 8 9 10 1 2 3 3		1. No flip-out tape 2. No peel-off tape 3. No loose tape 4. No missing tape 5. No wrong use of 6. No wrong dimens Important remina Please use calibrate measuring tape wh measurement.	ape ion ders/Note/s:

					WORK INSTRUCT	ION		le	Effectivity Date:		ı	March 10, 2	023	٦
		Process Name/Title:			TAPING ASS		OCESS		Validity date			n/a		┨
		Model Code/Part Number:	380D	1	7L0141-7020A	Customer:	TRQSS		Document No.:		W	I-ENG-PDE	-647	1
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		<u> '</u>												4
PARTS:	1. Assy 2. Blac									JIG	n/a			
NO.		PROCESS NAME			WORK PROCE	DURE/ ILLUS	TRATION		TOOLS/	PPE	QUA	LITY PO	NTERS	
6	n/a	Taping 2 Black COT to Black VM tube (Sunprene) near terminal	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	star tape	easure from end of corrugation both hands. The of bing R Width Apping, check the taping containing the contai	2. Hold the co sunprene tube the Black tape process using	= 3mm 40 1 2 3 4 5 6 7	R	6 7 8 9 11 2 3 4	56789	Important Please use of measurement 1. No flip-out 2. No peel-of 3. No loose t 4. No missin 5. No wrong 6. No wrong	calibrated/v tape when g ent. It tape If tape ape g tape use of tape	erified etting the	

					WORK INSTRUCT			Effectivity Date:		March 10, 2023
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	1									
		np 82711-16820 (BR) [2pcs.] np 82711-5200 (W) [2pcs.]				3. Black tape [2po	es.]		JIG	Temporary clamp assembly jig
NO.		PROCESS NAME			WORK PROCE	DURE/ ILLUSTI	RATION	TOOLS/	PPE	QUALITY POINTERS
7	n/a	Clamp setting	71.0141-700	1. Get hands hands	2pcs. of clamp 827111-520 then set to clamp location . 2pcs. of clamp 827111-160 then set to clamp location	090 (W) using both 4 and 3 using both	3. Initially attach Black tape on clausing both hands.	(BR)	ceiver ase 1	Important reminders/Note/s: 1. Please check the Clamp first before start of assembly to avoid wrong use of clamp 1. No wrong use of clamp 2. No damaged clamp 3. No missing clamp 4. No wrong use of tape 5. No missing tape CLAMP ILLUSTRATION GOOD BAND CLAMP ILLUSTRATION BAND CLAMP ILLUSTRATION

				WORK INSTRUCT	ION		Effectivity Date:		March 10, 2023
		Process Name/Title:		TAPING ASS	EMBLY PR	OCESS	Validity date		n/a
		Model Code/Part Number:	380D	/ 7L0141-7020A	Customer:	TRQSS	Document No.:		WI-ENG-PDE-647
		Purpose:	☐ PRO	ТОТУРЕ	PRE-LAUNCH	☐ MASSPRO	Revision No.:		0 Page No.: 6 of 11
PARTS:	1. Assy	parts						JIG	Temporary clamp assembly jig
NO.		PROCESS NAME		WORK PROCE	DURE/ ILLUS	TRATION	TOOLS/F	PE.	QUALITY POINTERS
8	n/a	Clamp assembly	1. Get the assy illustration). Fit (GR) to Receive harness in jig. I stopper then p 2. Initially tight and 2 using both the band clamp Continue on claim.	parts then set into jig. (See above irst, set the connector 6188-0066 eer base 1. Continue to set the Last, set the GR-B/W wires to press by toggle clamp. ten the band clamp on location 1 with hands. do gun using right hand then cut p on location 1 using both hands. amp location 2. f band clamp cutter depends on the size yl tube.	QR Code lal	bel facing BANDO GUN POSITION ON CLAMP LOCATION 1	BANDO G	UN	Important reminders/Note/s: 1. Make sure no gap between stopper and terminals 1. No wrong use of clamp 2. No damaged clamp 3. No missing clamp BANDO GUN ILLUSTRATION GOOD RG GOOD RG FLAT NOSEPIECE EXTENDED NOSEPIECE

			WORK INS				Effectivity Date:	March 10, 2023
		Process Name/Title:	TAPIN	G ASSEMB	LY PROCE	SS	Validity date	n/a
		Model Code/Part Number:	380D / 7L0141-70	020A Custo	mer:	TRQSS	Document No.:	WI-ENG-PDE-647
		Purpose:	☐ PROTOTYPE	PRE-L	AUNCH	☐ MASSPRO	Revision No.:	0 Page No.: 7 of 11
PARTS:	1. Assy	parts					JIG	Temporary clamp assembly jig
NO.		PROCESS NAME	WORK F	PROCEDURE	/ ILLUSTRAT	ION	TOOLS/PPE	QUALITY POINTERS
8	n/a	Clamp assembly (Continuation)	4. Cut the band clamp on location 2 using hands. Continue on clamp location 3. BANDO GUN POSITION ON CLAMP LO GOOD Fixed setting of band clamp cutter: 3 ~ 4 OK NG 7. For label attachment, get the QR coording both hands. (Refer to the next position of attachment).	ing both OCATION 2 NG LINE de label then attack	QR Code label facing 5. Hold the tape of windings of tape hands. Continue of windings of tape hands.	CONNECTOR SETTING	BANDO GUN	Important reminders/Note/s: 1. Make sure no gap between stopper and terminals 1. No wrong use of clamp 2. No damaged clamp 3. No missing clamp BANDO GUN ILLUSTRATION GOOD RG RAT NOSEPIECE EXTENDED NOSEPIECE

				W	ORK IN	STRUCT	ION			Effect	tivity Date:		March 10, 2023	3
		Process Name/Title:			TAP	ING AS	SEMBI	Y PROCE	SS	Validit	ty Date:		n/a	
		Model Code/ Product Number:	380D	/ 7	L0141-	-7020A	Custo	mer:	TRQSS	Docur	ment No.:		WI-ENG-PDE-64	7
		Purpose:		PROTOTYPE		[PRE-LA	UNCH	MASSPRO	Revisi	ion No.:		0 Page No.: 8	of 11
PARTS:		7V8120-0020										JIG	Temporary clamp assemi	
NO.		PROCESS NAME			WOR	K PROCE	EDURE/	ILLUSTRA	ION		TOOLS/F	PPE	QUALITY POINT	ERS
			SWITCH ASSY P/N	SWITCH ASSY PART NUMBER REFERENCE	PART NO.	TOYOTA PART NO.	SEAT POSITION	SEAT TYPE	41	Model code				
			7L0141-702	41	7V8120-0020	73230-AQ020	DRIVER	POWER						
			7L0140-702	40	7V8110-0020	73230-AQ010	DRIVER	PWR + MEM			the label.			
			7L0139-702	39	7V8130-0020	73230-AQ040	DRIVER	MANUAL	73230-AQ020		Check the I code, item			
9	n/a	Label attachment	label	ign the end part in the jig.	5	label	→	r part of the	73230-AGG20 DRIVER POWER POWER POWER POWER POWER GOOD	lign both end part of	f label .	20 P.E.S.	1. No bubbles 2. No damage 3. No peel off 4. No wrong use of label 5. No missing parts 6. No loose attachment 7. No wrong usage of label	

				WORK INSTRUC			Effectivity Date:			March 10,	2023
		Process Name/Title:		TAPING AS	SEMBLY PROCI	ESS	Validity date			n/a	
		Model Code/Part Number:	380D /	7L0141-7020A	Customer:	TRQSS	Document No.:			WI-ENG-PE	DE-647
		Purpose:	☐ PROTO	TYPE	PRE-LAUNCH	☐ MASSPRO	Revision No.:		0	Page No.:	9 of 11
		•					•				
PARTS:	1. Assy	parts						JIG	n/a		
NO.		PROCESS NAME		WORK PROCI	EDURE/ ILLUSTRA	TION	TOOLS/F	PPE	Q	UALITY PO	DINTERS
10	n/a		mbled arts	1. Conduct alignment of harness (Engineering sample vs. assembled parts)	connector lock, terminal, 41 42 42 43 44 44 44 44 44 44 44	5. Check the taping condition.	3. Check the Y-Taping condepresence of all clamp attactaping condition and band cut condition. 6. Check terminal papear and tage condition deform terminal deformation deformatio	lition, chment, clamp Ik the all ance bing on. e no ned	1. No sk	ingineering duction checking duction che	uring inspection. 0 ~ 2mm ss/Note/s: theck if the tis within the tr2mm) and

				WORK INSTRUCT	ON		Effectivity Date:		Marc	h 10, 2023
		Process Name/Title:		TAPING ASS	EMBLY PR	OCESS	Validity date			n/a
		Model Code/Part Number:	380D /	7L0141-7020A	Customer:	TRQSS	Document No.:		WI-EN	IG-PDE-647
		Purpose:	□ РКОТОТУ	PE	PRE-LAUNCH	☐ MASSPRO	Revision No.:		0 Page N	o.: 10 of 11
									<u> </u>	
PARTS:	1. Assy	parts						JIG	n/a	
NO.		PROCESS NAME		WORK PROCE	OURE/ ILLUS	TRATION	TOOLS/	PPE	QUALIT	Y POINTERS
11	n/a	Measurement	112±5mm	MEASURING TAP 6 7 8 9 10 1 2 3 4 5 6 7 177 ± 3mm	Note: Please use of when gettin	adibrated/verified measuring tape ag the measurement. 97±3mm 35±3mm	216±3mm		Important remin 1. FOR HATSUM OWARIMONO 1. No wrong dime	ONO AND

		W	ORK INSTRUCT	ΓΙΟΝ		Effectivity Date:			March 1	0, 2023
	Process Name/Title:		TAPING ASS	SEMBLY PRO	CESS	Validity date			n/a	a
	Model Code/Part Number:	380D / 7L	_0141-7020A	Customer:	TRQSS	Document No.:			WI-ENG-F	PDE-647
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PARTS: 1. A	ssy parts						JIG	n/a		
			QUA	LITY CHECKI	POINTS			•		
			7L0 1	L41-7	020A		·		·	¥
NO GOOD		- 3	6	6	7 6 1 1	5	9	GO NO GO	a	GOOD NO GOOD
	Unlock/ Half Lock Wrong Insert	k Connector	\sim	Terminal E		No QR cod			ignme	nt
	Missing Dummy S	Seal	\sim		\sim	No Deform		_		