			WORK INSTRUCTION									October 18, 2024		
			Process Name/Title:		NG ASSEMBLY PROC	ESS			Valid	lity Date:		n/a		
	- 1		Model code/Part number:	096D / 7L0120-7023	Customer: TRQSS	Car Model:	TOYOTA-	HIGHLAND	ER Docu	ıment No.:		WI-ENG-PDE-2	43	
			Purpose:	PROTOTYPE	PRE-LAUNCH	MASSPR	RO		Revi	sion No.:	5	Page No.:	1 of 8	
PARTS:		VM tube	arts: Connector 6188-0407 (W); TVSSf 0.3 G-B/W L=614mm±3mm; Black corrugated tube Ø5 L= 417±3mm (no slit); Yellow tape [1pc]; Black le (Sunprene) Ø5 L=125±3mm							JIG: 1. Insertion jig with switch cover TOOLS/PPE QUALITY POINTER			TEDE	
NC) .	PROCESS NAME S WORK PROCEDURE/ ILLUSTRATION TO							TOOLS/PPE		QUALITY POIN	IERS		
				TVSsf 0.3 (B/W & G) wires L=614±3mm	Connector 6188-0407 (W)/Connector tray	C. Ø5	orrugated L=417±3mi slit)	tube m (no	p	afety Instructi Be sure to wear required persona rotective equipm during operation gloves, finger cot etc.)	ent S,	ent reference/s: r to WI-PRO-CNC	017 for Wire and	
1		P1	Table Lay-out		VM tube (Sunprene) Ø5 L=125±3mm Yellow tape/ Tape Holder				1. 2	Housekeeping Maintain and alw practice 5's. Personal things the workplace is rohibited. Keep it your locker.	Strip Le Strip Le 1. No miss 2. No exce	Strip Length Tolerance. 1. No missing parts/tools 2. No excess parts/tools		
				Assy p	arts G		ape/Tape older		the	Alert level or any trouble, info e Assembly Assis Supervisor or Lin eader for immedia corrective action	ant e ate			
	ı		1	Revision History					1	Prepared by	Reviewed by	Approved by	Noted by	
10/18/24	5	Inclusion pointers.	of Car model "TOYOTA-HIGHL	ANDER" and Measurement. Update Table lay-	out and Visual inspection/Quality	D.Castillo C	:.Villanueva	A. Arañes	N/A					
06/07/23	4	jig. Chan ENG-PD PDE-243	ge the wire color location from B E-243.Transfer Taping 2 Black 0 . Update table lay-out (Page 1)	rovement due to QC claim (Unlock connector). b/W-G to G-B/W. Change document control nur COT to Black VM tube (Sunprene) process fron and Quality checkpoints (Page 7).	nber from WI-ENG-PDE-243A to WI- n WI-ENG-PDE-243B to WI-ENG-	D. Castillo	J. Loterte	C.Villanueva	A. Arañes	0	1/.4 14-	AL SANCE		
05/12/23	3	Inclusion (Sunpren		e important reminders/note/s and document reference	ences; standardize the VM tube	J. Loterte C	C.Villanueva	A. Arañes	n/a	D. Castillo	C.Villanueva	A. Arañes	n/a	
Eff. Date	Rev. No			Details of Change		Revised I	Reviewed	Approved	Noted	Est. Date:	February 25, 2021			



				STRUCTION		Effectivity Date:		October 18, 202	24
		Process Name/Title:		IG ASSEMBLY PROC		Validity Date:		n/a	
		Model code/Part number:	096D / 7L0120-7023	Customer: TRQSS	Car Model: TOYOTA-HIGHLANDER	Document No.:		WI-ENG-PDE-24	43
		Purpose:	PROTOTYPE	PRE-LAUNCH	MASSPRO	Revision No.:	5	Page No.:	2 of 8
PARTS:		ector 6188-0407 (W)			JIG:	, ,			
NO.	PROCESS NAME WORK PROCEDURE/ ILLUSTRATION				TOOLS/PPE	(QUALITY POINT	ΓERS	
2	P1	Connector setting to Insertion jig 6188-0407 (W)	INSERTION JIG WITH SWITCH CO	Lock I-mark 2. Insert the connector 6188 hand and release the lock. Note: Refer to above illust. 3. Check the holes/terminal states.	ration for correct setting.		I-marl aligues I-marl not al I	GOOD	1 hole is open 1 hole is open odel nnector



		October 18, 2024							
		Process Name/Title:		TRUCTION IG ASSEMBLY PROC	ESS	Effectivity Date: Validity Date:		n/a	
		Model code/Part number:	096D / 7L0120-7023			Document No.:		WI-ENG-PDE-24	43
		Purpose:	PROTOTYPE	PRE-LAUNCH	MASSPRO	Revision No.:	5	Page No.:	3 of 8
PARTS:	: 1. TVSSf 0.3 wires B/W-G L=614±3mm						1. Insertion jig with switch cover		
NO.	PROCESS NAME WORK PROCEDURE/ ILLUSTRATION					TOOLS/PPE	QUALITY POINTERS		
3	P1	Wire Insertion to Connector 6188-0407 (W)	1. Hold the Insertion jig using left hand Get Black /White wire then insert to terminal slot 1 using right hand. 2 Green 2 using right hand.	d. 2. Push the but for Green wire L 4. After insertion thumb and then	tton using right hand. The slot will be opened. Press Press R on, push the lock using left in hold the wires and gently pull efter from jig using right hand.		1. Refer to and Strip 2. Please for Pull-P Importar 1. Make s inserted. Conduct insertion. Do not extend to the strip of	xert extra force. e insertion	ASSY-029 /s:



			WORK IN	STRUCTION		Effectivity Date:	1	October 18, 20	24
		Process Name/Title:		NG ASSEMBLY PROC	CESS	Validity Date:		n/a	
		Model code/Part number:	096D / 7L0120-7023	Customer: TRQSS	Car Model: TOYOTA-HIGHLANDER	Document No.:		WI-ENG-PDE-2	43
		Purpose:	PROTOTYPE	PRE-LAUNCH	MASSPRO	Revision No.:	5	Page No.:	4 of 8
PARTS:	1. Assy 2. Black	parts Corrugated tube Ø5 L=417±	3mm (no slit)			JIG:	1. Terminal	cover jig	
NO.	F	PROCESS NAME	WORK	PROCEDURE/ ILLUSTR	ATION	TOOLS/PPE	(QUALITY POIN	ΓERS
4	P1	Wire insertion to Black Corrugated tube Ø5 L=417±3mm (no slit)	1. Get the terminal cover jig using right hand then insert the G and B/W wires.	using right hand a	ated Ø5 L=417±3mm (no slit) and insert the G and B/W wires	TERMINAL COVER JIG	1. No wron 2. No defor	g use of parts med terminal	
5		Wire insertion to Black VM tube (Sunprene) Ø5 L=125±3mm	L	(Su	Get the Black VM tube unprene) Ø5 L=125±3mm using ht hand and insert the G and B/W es using left hand.	n/a	1. No wron	g use of parts	

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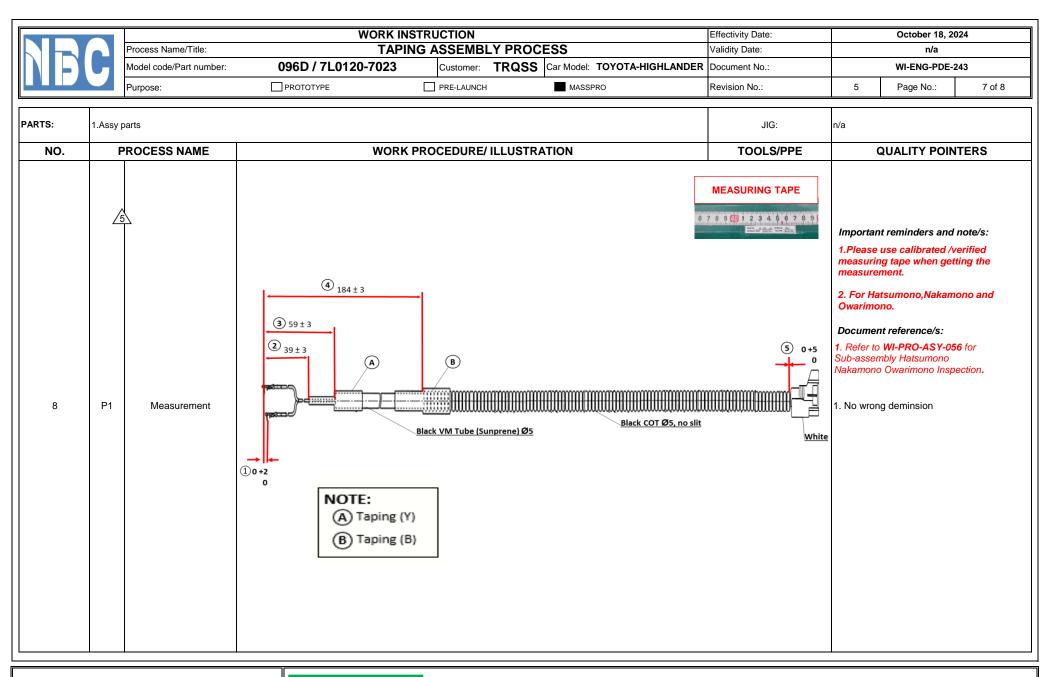
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			WORK INSTRUCTION						October 18, 2024			
		Process Name/Title:	TAPIN	IG ASSEMBL	LY PROC	ESS	Validity Date:		n/a			
		Model code/Part number:	096D / 7L0120-7023	Customer:	TRQSS	Car Model: TOYOTA-HIGHLANDER	Document No.:		WI-ENG-PDE-2	43		
		Purpose:	PROTOTYPE	PRE-LAUNCH		MASSPRO	Revision No.:	5	Page No.:	5 of 8		
PARTS:		VM tube (Sunprene) Ø5 L=12		3. Yellow tap			JIG:	n/a				
NO.	F	PROCESS NAME	WORK I	PROCEDURE/	ILLUSTR#	ATION	TOOLS/PPE	(QUALITY POIN	TERS		
6	P1	Taping COT to wire near terminal	1. Measure from end of VM tube (S 59mm using both hands.	Gunprene) to term	2. Hold the superiores.	unprene tube using left hand, get sing right hand and start taping . After taping, check the imension, taping condition and vire alignment.		Importar 1. Please measurin measure 1. Refer of procedur 1. No flip-0 2. No peel 3. No loos 4. No miss 5. No wror	nt reminders/Note to use calibrated/ve. g tape when gettir ment. nt reference/s: to WI-PRO-ASY-00 e. but tape -off tape e tape	1 mm		



			WORK INSTRUCTION	Effectivity Date:	October 18, 2024				
		Process Name/Title:	TAPING ASSEMBLY	PROCESS	Validity Date:		n/a		
		Model code/Part number:	096D / 7L0120-7023 Customer: T	RQSS Car Model: TOYOTA-HIGHLANDER	Document No.:		WI-ENG-PDE-2	43	
		Purpose:	PROTOTYPE PRE-LAUNCH	MASSPRO	Revision No.:	5	Page No.:	6 of 8	
PARTS:	1. Assy 2. Black	tape			JIG: n/a				
NO.	F	PROCESS NAME WORK PROCEDURE/ ILLUSTRATION				QUALITY POINTERS			
7	P1	Taping 2 Black COT to Black VM tube (Sunprene)	1. Measure from COT to terminal pointed tip 184±3mm using both hands. 20±3mm 20±3mm	mm	6789 50 123456789	1. Please measurin measure Docume 1. Refer procedur 1. No flip-0 2. No peel 3. No loos 4. No miss 5. No wron	ont reference/s: to WI-PRO-ASY-00 re. but tape -off tape e tape	rified ng the	

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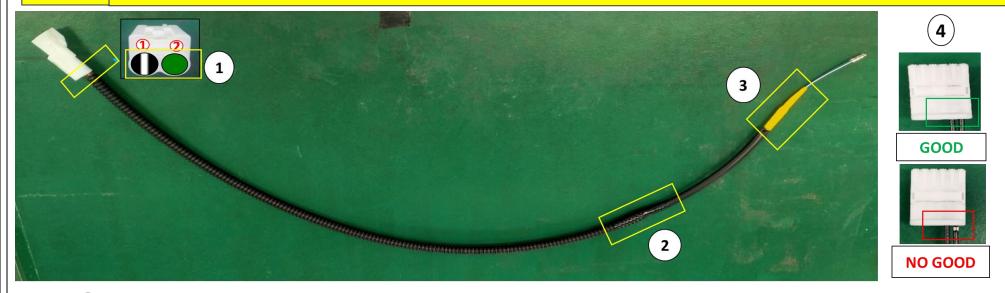


			Effectivity Date: October 18, 2024							
		Process Name/Title:	TAPIN	IG ASSEMB	LY PROC	ESS	Validity Date:		n/a	
		Model code/Part number:	096D / 7L0120-7023	Customer:	TRQSS	Car Model: TOYOTA-HIGHLANDER	Document No.:		WI-ENG-PDE-2	243
		Purpose:	PROTOTYPE	PRE-LAUNCH	I	MASSPRO	Revision No.:	4	Page No.:	8 of 8
PARTS:	1. Assy	y parts					JIG:	n/a		

VISUAL INSPECTION/ QUALITY CHECKPOINTS

P1

7L0120-7023



- 1 No Wrong Insert
- 2 No Missing tape (Black tape)
- 3 No Wrong used of tape (yellow tape)
- (4) No Terminal Backing out

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