			WORK INSTRUCTION E									June 24, 2024		
			Process Name/Title:	TAPI	NG ASSEMBLY PROC	ESS			Valid	ity Date:		n/a		
	. 1		Model code/Part number:	550B / 7L0082-7023	Customer: TRQSS	Car Model:	TOYOTA-	HIGHLANI	DER Docu	ment No.:		WI-ENG-PDE-38	86A	
	_		Purpose:	PROTOTYPE	PRE-LAUNCH	MASSP	PRO		Revis	sion No.:	2	Page No.:	1 of 7	
PARTS:		L=130±3	tts: Connector 6098-3802 (W) imm; Black Corrugated tube ø		SV tube (Vinyl) ø5 L=213±3mm; E		e (Sunprene	e) ø5		JIG:	1. Locking 2. Measuri 3. Insertior	ng jig	TERS	
1		P1	Table Lay-out	Connector 6098-3802 (W) AVSSf 0.3 Black wire L= 799±3mm Insertion jig Locking jig	Table Lay-out Tape hold Red tap	Black Black e e	(Su	a VM tube inprene) 130±3mm	r pro (g	Be sure to wear equired persona tective equipmeduring operation (loves, finger cot etc.) Housekeeping 1. Maintain and lways practice 5' Personal things the workplace is ohibited. Keep it your locker. Alert level For any trouble, form the Asseml ssistant Supervisor Line Leader for mediate correct action.	Document 1. Reference and States. S. on 2. No expension on the states of the states o	ment reference/ r to WI-PRO-CNC- rip Length Toleran issing parts/tools	017 for Wire	
				Revision History						Prepared by	Reviewed by	Approved by	Noted by	
06/24/24	2 ((WI-ENC	G-PDE-388) to Taping assemb	tion to connector and Connector lock proce ly process.Transfer Taping 1 and Taping 2 kpoints. Inclusion of Car model "TOYOTA-I	process to WI-ENG-PDE-386B.	D.Castillo	C.Villanueva	A. Arañes	n/a					
12/13/22	1 F	Reminde	ers/notes and references on page	nent Project. Change table lay-out. Improve ages no.1,2,6,7,8 and 9 due to document in 0 due to process improvement. inclusion of	provement. Improve work	M. Ariola	J. Loterte	C. Villanueva	A. Arañes	aus.	Now the itter			
		Initial iss	ue. Clamp quantity 82711-520	090 (W) 2 clamps;(Refer to WI-ENG-PDE-3	86B).	K. Doria	J. Loterte	C. Villanueva	A. Arañes	D. Castillo	C. Villanueva	A. Aremes	n/a	
Eff. Date Rev	/. No			Details of Change		Revised	Reviewed	Approved	Noted	Zst. Date:	Februaty 4, 2022			



				RK INSTRUCTION		Effectivity Date:		June 24, 2024	ļ
		Process Name/Title:		TAPING ASSEMBLY PROC		Validity Date:		n/a	
		Model code/Part number:	550B / 7L0082-70	Customer: TRQSS	Car Model: TOYOTA-HIGHLANDER	Document No.:		WI-ENG-PDE-38	36A
		Purpose:	PROTOTYPE	PRE-LAUNCH	MASSPRO	Revision No.:	2	Page No.:	2 of 7
PARTS:	1. Conr	nector 6098-3802 (W)				JIG:	1. Insertior	n jig	
NO.	F	PROCESS NAME	W	ORK PROCEDURE/ ILLUSTRA	ATION	TOOLS/PPE	(QUALITY POIN	TERS
2	P1	Connector setting to insertion jig 6098-3802(W)	INSERTION JIG Ho Press 1. Press the lock of insertion jig using left thumb.	Lock Lock R Press 2. Insert the connector 609 hand and release the lock	CONNECTOR ORIENTATION Release 88-3802) (W) into jig using right using left hand. Check the holes/terminal slot or B-B wires.		1. Use th 2. No wro 3. No wro 4. No dar	e provided jig peong orientation cong use of connector maged connector tor Orientation I	er model of connector ector or



			WORK INS	STRUCTION		Effectivity Date:		June 24, 2024	i
		Process Name/Title:		NG ASSEMBLY PI	ROCESS	Validity Date:		n/a	
		Model code/Part number:	550B / 7L0082-7023		QSS Car Model: TOYOTA-HIGHLANDER			WI-ENG-PDE-3	36A
		Purpose:	PROTOTYPE	PRE-LAUNCH	MASSPRO	Revision No.:	2	Page No.:	3 of 7
		•				1	<u> </u>		
PARTS:	1. Corre 2. SV to	ugated tube ø5 L=394±3mr ube (vinyl) ø5 L=213±3mm	n	3.AVSSf 0.3 Black	wire L= 799mm±3mm	JIG:	n/a		
NO.	F	PROCESS NAME	WORK I	PROCEDURE/ ILLU	TOOLS/PPE	QUALITY POINTERS			
3	P1	Wire Insertion to Corrugated tube ø5 L=394±3mm (no slit)	1.Get black corruga Black wires L= 799	ated tube L=394±3 using	g left hand and insert	n/a	1. Referand Stri 1. No wron	nent references to WI-PRO-CNC- p Length Toleran ng use of parts rmed terminal	017 for Wire
4		Wire Insertion to SV tube (Vinyl) ø5 L=213±3mm	1. Hold the assy part of L= 213±3mm using ri	using right hand and get ight hand and insert the	t the SVI tube (Vinyl) ø5 Black wires.	n/a		g use of parts med terminal	



	_		WORK INS		Effectivity Date:	June 24, 2024			
		Process Name/Title:		IG ASSEMBLY PROC	CESS	Validity Date:		n/a	
		Model code/Part number:	550B / 7L0082-7023		Car Model: TOYOTA-HIGHLANDER	Document No.:		WI-ENG-PDE-38	6A
		Purpose:	PROTOTYPE	PRE-LAUNCH	MASSPRO	Revision No.:	2	Page No.:	4 of 7
PARTS:	1. AVV	Sf 0.3black wire L= 799mm	1; Connector 6098-3802 (W)			JIG:	1. Insertior	n jig	
NO.	F	PROCESS NAME	WORK	PROCEDURE/ ILLUSTRA	ATION	TOOLS/PPE	(QUALITY POIN	ΓERS
5	P1	Wire insertion to connector 6098-3802 (W)	L Black	1. Get the 1st B wire then insert to connector using right hand. WIRE FACING N/a			3. One by 4. No defo 5. No wron Importa 1. Please 2. Make s inserted. Conduct insertion. Do not ex	ng insertion one insertion rm terminal rg wire facing nt reminders/N hold the wire nea ure wires are pro Pull-Push-Pull-Pu	ar terminal. operly ish after
			2. Get the 2nd B wire then insert to c	3. After insertion, push	the lock using left thumb then hold Il out the connector from jig using		1. Refer to Push pro 2. Refer to	ent references: to GL-PRO-ASY-0 cedure. to WI-PRO-CNC-0 Length Toleranc	29 for Pull- 17 for Wire



		WORK IN				
	Process Name/Title:	TAPII	NG A	SSEMBL	Y PROC	ESS
	Model code/Part number:	550B / 7L0082-7023		Customer:	TRQSS	Car Mo
	Purpose:	PROTOTYPE		PRE-LAUNCH		N
		3802/3803 R			380	2/3803



MASSPRO

2. Press the lower part of connector to fully insert into the locking jig.



4. Press the upper part of connector using right hand while left hand holding the middle.



6. Ensure that connector is in locked condition by slide touching the connector lock based on the sequence illustrated.



Effectivity Date:

Validity Date:

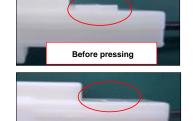
Revision No.:

JIG:

TOOLS/PPE

Car Model: TOYOTA-HIGHLANDER Document No.:





After pressing

June 24, 2024

n/a

WI-ENG-PDE-386A

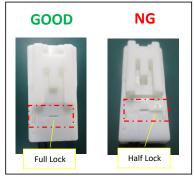
QUALITY POINTERS

Page No.:

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2

1. Locking jig



Important reminders/Note/s:

- 1. MANUAL LOCKING MAY CAUSE DAMAGED CONNECTOR
- 1. Use the provided jig tool to lock the connector. 2. No unlock/half-locked connector

Right thumb-middle Left thumb-middle

Right thumb-Lower

Left thumb-middle

right hand while left hand holding the

middle.

3. Press the lower parts of connector using

5. Lift then press the connector in the middle using left and right hand.

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P1

Connector Lock

6

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			WORK INS		Effectivity Date:		June 24, 2024		
		Process Name/Title:		IG ASSEMBLY		Validity Date:		n/a	
		Model code/Part number:	550B / 7L0082-7023	Customer: TI	RQSS Car Model: TOYOTA-HIGHLANDER	Document No.:		WI-ENG-PDE-386	5A
		Purpose:	PROTOTYPE	PRE-LAUNCH	MASSPRO	Revision No.:	2	Page No.:	6 of 7
PARTS:	1. Assy 2. Black	parts v VM tube (Sunprene) ø5 L	=130±3mm	3. Red tape [1pc	2]	JIG:	N/A		
NO.	P	ROCESS NAME	WORK I	PROCEDURE/ ILI	LUSTRATION	TOOLS/PPE	QUALITY POINTERS		
6		Wire Insertion to Black VM tube (Sunprene) ø5 L=130±3mm		Black V	the assy part using left hand then get the M tube (Sunprene) <mark>ø5 L=130±3mm</mark> using nd and insert the Black wires.	n/a		ng use of parts rmed terminal	
7	P1	Taping 1 Black SV tube (Vinyl) to wire near terminal	Start of taping L 20 ± 3 mm 3	4 5 R	1. Hold the VM tube (Sunprene) using left hand. Measure from VM tube (Sunprene) up to terminal pointed tip 55±3mm. 2. Get Red tape using right hand, hold the VM tube (Sunprene) using left hand then fold the VM tube (Sunprene) and start taping using right hand.	MEASURING TAPE 6 7 8 9 1 1 2 3 4 5 6 7 8 9 1 1 2 3 4 5 6 7 8 9 1 1 2 3 4 5 6 7 8 9 1 1 2 3 4 5 6 7 8 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Importa 1. Please tape whe 2. Use RI Docum 1. Refer process	off tape ut tape g dimension g use of tape ng tape ant reminders/N e use calibrated me en getting the meas ED TAPE only. ment references: to WI-PRO-ASY-0	easuring surement. 01 for Taping
			5 6 7 8 9 60	1 2 3 4	After taping check the measurement, wire alignment and taping condition.		9		1mm

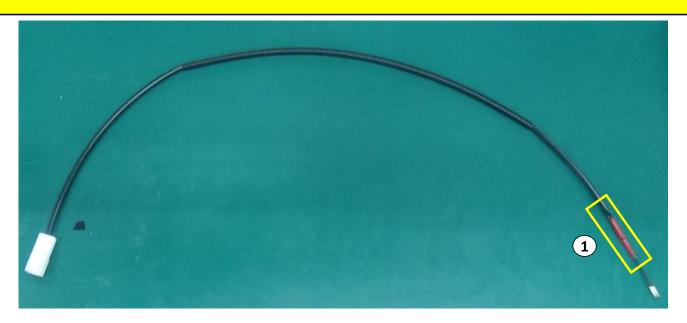


				WORK INS	TRUCTION			Effectivity Date:		June 24, 2024	
			Process Name/Title:	TAPIN	G ASSEMB	LY PROC	ESS	Validity Date:		n/a	
ı			Model code/Part number:	550B / 7L0082-7023	Customer:	TRQSS	Car Model: TOYOTA-HIGHLANDER	Document No.:		WI-ENG-PDE-38	6A
			Purpose:	PROTOTYPE	PRE-LAUNCH	I	MASSPRO	Revision No.:	2	Page No.:	7 of 7
	PARTS:	1. Assy	y parts					JIG:	n/a		

VISUAL INSPECTION/ QUALITY CHECKPOINTS

P1

7L0082-7023



No Wrong use and Missing tape (RED)

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