_						Effecti	vity Date:		July 10, 2024					
			Process Name/Title:	TAPI	NG ASSEMBL	Y PROC	ESS			Validity	y Date:		n/a	
			Model code/Part number:	320B / 7L0052-7024	Customer:	TRQSS	Car Model:	TOYO	TA-RAV4	Docum	nent No.:		WI-ENG-PDE-4	09A
			Purpose:	PROTOTYPE	PRE-LAUNCH		MASSP	RO		Revision	on No.:	4	Page No.:	1 of 11
PARTS:		L=396±2		COT ø7 L=52±3mm (no slit); Black COT ø7 vires G-B/W L=663±3mm with inserted Blac);	JIG:	1. Insertion 2. Locking 3. Termina		
N	0.	Р	ROCESS NAME	WORK	PROCEDURE/	ILLUSTRA	TION				TOOLS/PPE		QUALITY POIN	ITERS
	1	P1	Table Lay-out	Connector tray AVSSf 0. L=39 Insertion jig B			res	6189- Conne	±3mm	propro (g) (g) 1. M 2. For the A S	afety Instruction Be sure to wear escribed personatective equipmeduring operation loves, finger cots etc.) Housekeeping laintain and alway practice 5's. Personal things of the workplace is shibited. Keep it your locker. Alert level any trouble, info Assembly Assist upervisor or Lineader for immedia	Docum 1.Refer Wire and 1. No miss 2. No exce	nent reference/ to WI-PRO-CNC-0 d Strip Length To ng parts/tools ss parts/tools	117 for
				ir	i-B/W L=663±3mm with nserted Black sunprene tube Ø5 L=135±3mm	t	Black ape/Tape		et tape/Tape holder	С	corrective action.			
				Revision History	-						Prepared by	Reviewed by	Approved by	Noted by
07/10/24	4	Inclusion	of car model "TOYOTA-RAV 4".	Aligned switch cover to insertion jig.			D.Castillo	C.Villanuev a	A. Arañes	n/a				
04/24/23	3	Inclusion	of quality checkpoints on page r	no. 10 as document improvements.			M. Ariola	J. Loterte	C. Villanueva	Arañes	0			
09/17/22				insertion to assy parts process no.11. Removal provement. Additional reference in process no.		ocess no.10	M. Catapang	J. Loterte	C. Villanueva	Arañes	D. Castillo	C. Villanueva	A. Aranes	n/a
Eff. Date	Rev. No			Details of Change			Revised	Reviewed	Approved N	loted 1	Est. Date:	February 14, 2022		



			WORK IN	STRUCTION			Effectivity Date:	Т	July 10, 2024	
		Process Name/Title:	TAPII	NG ASSEMBLY PROC	ESS		Validity Date:		n/a	
		Model code/Part number:	320B / 7L0052-7024	Customer: TRQSS	Car Model:	TOYOTA-RAV4	Document No.:		WI-ENG-PDE-40	9A
		Purpose:	PROTOTYPE	PRE-LAUNCH	MASSPE	RO	Revision No.:	4	Page No.:	2 of 11
PARTS:	1. Conn	ector 6188-0066 (GR)					JIG:	1. Insertion	jig with switch cover	
NO.	F	PROCESS NAME	WORK	PROCEDURE/ ILLUSTRA	ATION		TOOLS/PPE		QUALITY POINT	TERS
2	P1	Connector setting to insertion jig 6188-0066 (GR)	Orange wire Yellow wire Visual reference Press 1. Press the lock using left hand.	INSERTION JG ORIENTATION LOCK INSERTION JG ORIENTATION 2. Get the connector 618th hand then insert to insert after insertion. Note: Follow the connector following right hand. Sl will be opened.	8-0066 (GR ion jig. Relector orientativire guide up	pward	n/a	I-mais all I-manot: 1. Use the J. No wrong 3. No wrong 3.	GOOD	nole is open 2 holes are open

			WORK INS	TRUCTION			Effectivity Date:	$\overline{1}$	July 10, 2024	
		Process Name/Title:		G ASSEMBLY PROC	FSS		Validity Date:	+	n/a	
		Model code/Part number:	320B / 7L0052-7024	Customer: TRQSS	1	TOYOTA-RAV4	Document No.:	+	WI-ENG-PDE-40	9A
		Purpose:	☐ PROTOTYPE	PRE-LAUNCH	MASSPR	RO	Revision No.:	4	Page No.:	3 of 11
PARTS:	1. AVSS	Sf 0.3 wires Y L=396±2mm; C	R L=396±2mm				JIG:	1. Insertion	jig with switch cover	
NO.	F	PROCESS NAME	WORK P	PROCEDURE/ ILLUSTRA	ATION		TOOLS/PPE		QUALITY POIN	ΓERS
3	P1	Wire Insertion to connector 6188-0066 (GR)	1. Hold the insertion jig using left has Get the Yellow wire then insert to terminal slot 1 using right hand. 2 Orange 3. Get the Orange wire then insert terminal slot 2 using right hand.	2. Press the The slot for opened. Wire 4. After insert thumb and the	Press The button using a contract of the press The button using a cont	g right thumb. e lock using left vires and gently in jig using right	n/a	3. One by 4. No defo 5. No wron Import 1. Pleas 2. Make inserted Conduct insertion Do not e Docum 1. Refer to Wire and 2. Refer to	ng insertion one insertion ormed terminal ng wire facing tant reminders/l te hold the wire ne sure wires are po	ear terminal. Poperly Push after Tor Perance

				STRUCTION		Effectivity Date:		July 10, 2024	
		Process Name/Title:		IG ASSEMBLY PROC		Validity Date:		n/a	
		Model code/Part number:	320B / 7L0052-7024	Customer: TRQSS	Car Model: TOYOTA-RAV4	Document No.:		WI-ENG-PDE-409	∌A
		Purpose:	PROTOTYPE	PRE-LAUNCH	MASSPRO	Revision No.:	4	Page No.:	4 of 11
PARTS:	1. Assy 2. Black	parts corrugated tube (no slit) Ø7	L=52±3mm	3. Black corrugated tube	(no slit) Ø7 L=290±3mm	JIG:	n/a		
NO.	F	PROCESS NAME	WORK	PROCEDURE/ ILLUSTR	ATION	TOOLS/PPE	(QUALITY POINT	ERS
4	P1	Wire Insertion to Corrugated tube (no slit) Ø7 L=52±3mm	L	R	1. Hold the wires using left hand. Get the Corrugated tube (no slit) Ø7 L=52±3mm using right hand then insert the Yellow- Orange wires using left hand.	n/a		g use of parts med terminal	
5		Wire insertion to Black corrugated tube (no slit) Ø7 L=290±3mm	L	R	1. Hold the wires using left hand. Get the Corrugated tube (no slit) Ø5 L=290±3mm using right hand then insert the Y-OR wires using left hand.	n/a	1. No wrong 2. No deforr	g use of parts med terminal	

			WORK INS	ISTRUCTION		Effectivity Date:		July 10, 2024	
		Process Name/Title:	TAPIN	NG ASSEMBLY PROCESS		Validity Date:		n/a	
		Model code/Part number:	320B / 7L0052-7024	Customer: TRQSS Car Model:	TOYOTA-RAV4	Document No.:		WI-ENG-PDE-40	9A
		Purpose:	PROTOTYPE	PRE-LAUNCH MASSP	RO	Revision No.:	4	Page No.:	5 of 11
PARTS:	1. Conn	ector 6189-1161 (B)				JIG:	1. Insertion	jig	
NO.	F	ROCESS NAME	WORK	PROCEDURE/ ILLUSTRATION		TOOLS/PPE	(QUALITY POIN	TERS
6	P1	Connector setting to insertion jig 6189-1161 (B)	Visual reference Butto Guide Press 1. Press the lock using left thumb.	YOR-11	Release) using right elease the lock entation.		I-ma is al	lign 1 h	ole is open ole is open

			WORK INST					Effectivity Date:		July 10, 2024	
		Process Name/Title:	TAPING	ASSEMBI	LY PROCE	ESS		Validity Date:		n/a	
		Model code/Part number:	320B / 7L0052-7024	Customer:	TRQSS	Car Model:	TOYOTA-RAV4	Document No.:		WI-ENG-PDE-409	9A
		Purpose:	PROTOTYPE	PRE-LAUNCH		MASSPR	RO	Revision No.:	4	Page No.:	6 of 11
PARTS:	1. Assy	parts						JIG:	1. Insertion	jig	
NO.		PROCESS NAME	WORK PR	ROCEDURE/	ILLUSTRA	ATION		TOOLS/PPE	(QUALITY POINT	ERS
7	P1	Wire insertion to connector 6189-1161 (B)	1. Hold the insertion jig using left hand. Get the Yellow wire then insert to termin slot 1 using right hand. 2 Orange wine the slower of the	al	WIRE FAC	Press he button usi	ing right thumb. The ill be opened.	n/a	Importa 1. Make s inserted. Conduct insertion Do not e Docum 1. Refer t Wire and 2. Refer Pull-Pus 1. No loose 2. No wrong 3. One by o 4. No deform	ant reminders // sure wires are proposed. Pull-Push-Pull-Pt. Exert extra force. In the proposed of the proposed of the procedure. In the procedure of the p	Note/s: perly ush after s: 17 for erance
			3. Get the Orange wire then insert to terminal slot 2 using right hand.	4. aı		on, push the the wires and	Press R lock using left thumb d gently pull out the ght hand.				

			W	ORK INSTRU				Effectivity Date:		July 10, 2024	4
		Process Name/Title:			ASSEMBLY PROC	ESS		Validity Date:		n/a	
		Model code/Part number:	320B / 7L0052-	7024	Customer: TRQSS	Car Model:	TOYOTA-RAV4	Document No.:		WI-ENG-PDE-4	09A
		Purpose:	PROTOTYPE		PRE-LAUNCH	MASSPF	RO	Revision No.:	4	Page No.:	7 of 11
PARTS:	1. Assy							JIG:	1. Locking ji		
NO.	F	PROCESS NAME		WORK PRO	CEDURE/ ILLUSTRA	TION		TOOLS/PPE	C	QUALITY POIN	TERS
8	P1	Connector lock	BEFORE PRESSING NG UNLOCK CONDITION		push down 22 the connector	x using both r lock if pro	NO GOOD GOOD Y LOCKED NDITION	n/a	1. Refer to Pull-Pus 2. Make so inserted Conductionsertion Do not 6.	nt Pull-Push-Pull n. exert extra force insertion g insertion one insertion med terminal	7-029 for properly I-Push after

			WORK INSTRUC				Effectivity Date:		July 10, 2024	
		Process Name/Title:		SSEMBLY PROCE			Validity Date:		n/a	
		Model code/Part number:	320B / 7L0052-7024	Customer: TRQSS	Car Model:	TOYOTA-RAV4	Document No.:		WI-ENG-PDE-40	9A
		Purpose:	☐ PROTOTYPE ☐ P	PRE-LAUNCH	MASSPRO)	Revision No.:	4	Page No.:	8 of 11
PARTS:	1. Assy 2. Black						JIG:	n/a		
NO.	F	PROCESS NAME	WORK PROC	EDURE/ ILLUSTRA	TION		TOOLS/PPE	(QUALITY POIN	TERS
9	P1	Taping 1 COT to wire near connector	Start of taping 25±3mm 25±3mm 20±3mm 0~5mm	measure from using both har Continue tapir	esy parts using a COT to conrinds. ng process using process using, check the dition.	g left hand and lector 25±3mm sing both hands.	n/a	1. Pleas measuri measuri measuri 1. Refer procedu 1. No flip-ou 2. No peel-ou 3. No loose 4. No missin 5. No wrong	ent reference/s: to WI-PRO-ASY-Cure. It tape off tape tape ng tape	verified tting the

			WORK INS	TRUCTION			Effectivity Date:		July 10, 2024	ŀ
		Process Name/Title:	TAPIN	G ASSEMBI	LY PROCESS		Validity Date:		n/a	
		Model code/Part number:	320B / 7L0052-7024	Customer:	TRQSS Car Model:	TOYOTA-RAV4	Document No.:		WI-ENG-PDE-40	9A
		Purpose:	PROTOTYPE	PRE-LAUNCH	MASSP	RO	Revision No.:	4	Page No.:	9 of 11
PARTS:	2. Viole	tape	with inserted sunprene tube ø5 L=135±3mm)				JIG:	n/a		
NO.	F	PROCESS NAME	WORK F	PROCEDURE/	ILLUSTRATION		TOOLS/PPE	(QUALITY POIN	TERS
10	P1	Taping 2 VM tube (Sunprene) to wire neat hotmelted wire	Start of taping 20±3mm 3 20±3mm	the Violet	the	neasure from end of to the edge of both hands.	n/a	1. Use 1 2. Pleas measur measur Docume 1. Refer procedu 1. No flip-or 2. No peel- 3. No loose 4. No missi 5. No wrong	ent reference/s: to WI-PRO-ASY-oure. ut tape off tape tape	v. verified tting the

				STRUCTION				Effectivity Date:		July 10, 2024	ļ
		Process Name/Title:			LY PROCESS			Validity Date:		n/a	
		Model code/Part number:	320B / 7L0052-7024	Customer:	TRQSS Car Mod	EI: TOYOTA-RA	4V4	Document No.:		WI-ENG-PDE-40)9A
		Purpose:	PROTOTYPE	PRE-LAUNCH	MA	SPRO		Revision No.:	4	Page No.:	10 of 11
PARTS:	1. Assy 2. Black	parts Corrugated tube (no slit) Ø7	L=415±4mm					JIG:	n/a		
NO.	Р	ROCESS NAME	WORK	PROCEDURE/	ILLUSTRATION			TOOLS/PPE		QUALITY POIN	TERS
11		Wire insertion to Black Corrugated tube (no slit) Ø7 L=415±4mm	1. Get the terminal cover jig using right hand then insert to both terminals (G-B/W wires) using right hand.		2. Get the corrugate L=312±3mm using r the G-B/W wires us	ght hand then insert		TERMINAL COVER JIG	1. No wron 2. No dama	g usage of parts aged rubber seal	
12	P1	Wire insertion to assy parts	1. Get the assy parts, hold the COT the G-B/W wires using right hand.		ng left hand then insert	ig using right hand.		TERMINAL COVER JIG	1. No wron	g usage of parts iged rubber seal	

			WORK IN	STRUCTION				Effectivity Date: July 10, 2			4
		Process Name/Title:	TAPIN	NG ASSEMB	LY PROC	ESS		Validity Date:	n/a		
		Model code/Part number:	320B / 7L0052-7024 Customer: TF		TRQSS	Car Model:	TOYOTA-RAV4	Document No.:	WI-ENG-PDE-409A		
		Purpose:	PROTOTYPE	PRE-LAUNCI	1	MASSPE	3 0	Revision No.:	4	Page No.:	11 of 11
								1			
PARTS:	1. Assy	parts						JIG:	n/a		

VISUAL INSPECTION/ QUALITY CHECKPOINTS



12 No WRONG INSERT/ No TERMINAL BACKING OUT



5 No MISSING COT

(3)

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