WORK INSTRUCTION Effectivity Date: July 4,2024													
			Process Name/Title:	TAPING ASSEMBLY PROCESS					Vali	idity Date:		n/a	
	-10		Model code/Part number:	311D / 75S834-7050	Customer: TRN	Car Model:		RAV4	Doo	cument No.:		WI-ENG-PDE-86	ò9
			Purpose:	PROTOTYPE	PRE-LAUNCH	MASSI	PRO		Rev	vision No.:	0	Page No.:	1 of 7
PARTS:	3. White SV tube (Vinyl) ø3; t=0.5; L=64±3mm								JIG: 1. Measuring Tape				
NO	Э.	PROCESS NAME WORK PROCEDURE/ ILLUSTRATION							TOOLS/PPE	OOLS/PPE QUALITY POINTERS			
1			Wire Insertion of GR/B to White SV tube (Vinyl) ø3; t=0.5; L=64±3mm	Get the GR/B wire using left har right hand then insert the GR/B wire using left har right hand the GR/B wire using left har right had become a second with the GR/B wire using left had right had become a second with the GR/B wire using left had right had become a second with the GR/B wire using left had right had become a second with the GR/B wire using left had right had become a second with the GR/B wire using left had right had become a second with the GR/B wire using left had right had become a second with the GR/B wire using left had right had become a second with the GR/B wire using left had right had become a second with the GR/B wire using left had right had become a second with the GR/B wire using left had right had become a second with the GR/B wire using left had right had become a second with the GR/B wire using left had right had become a second with the control with the control with the control with the co	nd. Get 1 pc of White SV ture. (Based on the illustration	be (Vinyl) ø3; t=ton above)	0.5; L=64±	3mm using		Safety Instruction Be sure to wear required personal protective equipment during operation (gloves, finger cots, etc.)	4. No miss 5. No wron 6. No wron	off tape tape	ոլորդորորորոր 6 7 8 9 (
2		n/a	Taping Vinyl to Wire near terminal	6) 1 2 3 4 Blue tape (19mm)	3. After taping, cand taping cond		15±3mm	F F	Housekeeping I. Maintain and always practice 5's. 2. Personal things on the workplace is prohibited. Keep it in your locker. Alert level For any trouble, informe Assembly Assistan Supervisor or Line Leader for immediate corrective action.	Importa 1. Please measurin measure	Wire alignment tolerand tolera	ote/s: erified ting the
				NOTE: SET ASIDE THE ASSY PARTS					corrective action.	i 1. Please	Document references; 1. Please refer to WI-PRO-ASY-001 for taping procedure.		
	 			Revision Histor	ry	1 1		ı		Prepared by	Reviewed by	Approved by	Noted by
7/04/2024	0 1	nitial Issu	Je				J.Loterte	C. Villanueva	A. Arañes	- Okumendor -	Jourt Jofform	A grand	N/A
Eff. Date				Details of Change		Revised	Reviewed	Approved	Noted Noted	(7)	ly 4, 2024	/ A. Audiso	19//3

NE		Process Name/Title		WORK INSTRUCTION Effectivity Date: July 4, 2024											
		Process Name/Title: TAPING ASSEMBLY PROCESS					Validity Date:	n/a							
		Model code/Part number:	311D / 75S834-7050	Customer: TRM		RAV4	Document No.:	WI-ENG-PDE-869							
		Purpose:	□ PROTOTYPE	PRE-LAUNCH	MASSPRO		Revision No.:	0	Page No.:	2 of 7					
	1 Cann	ector 4A1230-0000 (W);													
		ector 4A1230-0000 (W); 5 0.3 R L=166±2mm; WG L=1	68±2mm; BR L=172±2mm;				JIG:	n/a	ı√a						
NO.	P	ROCESS NAME	WORK	PROCEDURE/ ILLUS	TRATION		TOOLS/PPE	QUALITY POINTERS							
3	n/a	Wire insertion to connector PBVP-10V-S (W)	4. Hold the connector PBVP-10V-S (M wire and insert to terminal slot 1 of co hand. Conduct 2x push pull after wire process to WG wire in terminal Slot 2 terminal Slot 5. Note: Follow the insertion sequence illustration.	1 R V 1666 1 X V 1666	Wire factor in the interval of	5 BR 172 X		2. No wron 3. No dama 4. No wron 5. No loose 6. No wron 7. One by o 8. No defor 9. No wron 1. Make inserted 2. Condu insertior 3. Do not 4. Please 1. Refer 5. trip len 2. Refer	g insertion one insertion med terminal g wire facing portant reminde sure wires are pro-	r's/Note: roperly I-Push after ar terminal. ences: 017 for Wire					

WORK INSTRUCTION Effectivity Date: July 4, 2024										
		Process Name/Title:	TAPII	NG ASSEMBLY PR	OCESS		Validity Date:	n/a		
		Model code/Part number:	311D / 75S834-7050	Customer: TRM	Car Model:	RAV4	Document No.:		WI-ENG-PDE-86	9
		Purpose:	PROTOTYPE	PRE-LAUNCH	MASSPRO		Revision No.:	0	Page No.:	3 of 7
PARTS:		parts ector PBVP-10V-S (W) SV tube (Vinyl) ø7; t=0.5; L=	L=285±2mm; V L=2	L=113±1mm; R L=166±2mm 85±2mm; Y L=285±2mm; G			JIG:	n/a		
NO.	P	ROCESS NAME	WORK	PROCEDURE/ ILLUS	TRATION		TOOLS/PPE	QUALITY POINTERS		
4	n/a	Wire insertion to connector PBVP-10V-S (W)	6. Hold the connector PBVP-10V-S (Value to terminal slot 1 of connector using a wire insertion. Repeat the process to terminal slot 6. Insert LG wires to SI Note: Follow the insertion sequence.	1 2 3 4 Y V B C 285 285 285 285 285 285 285 285 285 285	e and insert the pull after then insert to	N 8 9 10 LG 289 ter insertion, kk the terminal tip lition, must be		2. No wron 3. No dama 4. No wron 5. No loose 6. No wron 7. One by 0 8. No defor 9. No wron Implemental Make's inserted. 2. Conduinsertion 3. Do not	g insertion one insertion med terminal g wire facing poortant reminder's ure wires are prop ct Pull-Push-Pull-I	s/Note: perly Push after
5		Y-V-B-G-GR/B-LG Wire insertion to Black SV tube (Vinyl) ø7; t=0.5; L=131±3mm PBVP-10V-S (W)	8. Hold the wires using left hand, get the Black SV tube (Vinyl) ø7; t=0.5; L=131±3mm using right hand then institute long wires.	Black SV to	e sure the GR/B wire is the (Vinyl) ø7; t=0.5; m.	s on top of		1. Refer t Strip leng 2. Refer t	Document reference o WI-PRO-CNC-01 tht tolerance. o GL PRO-ASY-02 I-push procedure	7 for Wire

			WORK INS	Effectivity Date:	T	July 4, 2024				
		Process Name/Title:	TAPIN	Validity Date:	n/a					
		Model code/Part number:	311D / 75S834-7050	Customer: TRMX	Car Model:	RAV4	Document No.:	WI-ENG-PDE-869		
		Purpose:	PROTOTYPE	PRE-LAUNCH	MASSPRO		Revision No.:	0	Page No.:	4 of 7
PARTS:	1. Assy	•					JIG:	n/a		
NO.	F	PROCESS NAME	WORK F	PROCEDURE/ ILLUSTR	ATION		TOOLS/PPE	(QUALITY POIN	TERS
6		Wire insertion of assy part (Connector 4A1230- 0000 (W) with inserted wires) to Black SV tube (Vinyl) Ø7; t=0.5; L=131±3mm with assy part	9. Hold the assy part (Connector PBVI first assy part (Connector 4A1230-000 SV tube (Vinyl) Ø7; t=0.5; L=131±3mi	00 (W) with inserted wires)	wires) using left har using right hand the	ad then get the in insert to Black				
7	n/a	Wire insertion to Connector PBVP-10V-S (W) with inserted wires	12345678910		ISERTION ILLUSTRATION 5 6 7 GR/B R	8 9 10 WG LG BR	N/A		ng insertion rmed terminal	

10. Hold the Connector PBVP-10V-S (W) with inserted wires then get the Red wire and insert to terminal slot 7 of connector using right hand. Conduct 2x push pull after wire insertion. Repeat the process to W/G in Slot 8 and BR wires in Slot 10.

Note: Follow the insertion sequence based on the illustration.

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			WORK INS	TRUCTION			Effectivity Date:		July 4, 2024			
		Process Name/Title:	TAPIN	G ASSEMBL	Y PROCESS		Validity Date:	n/a				
NE		Model code/Part number:	311D / 75S834-7050	Customer: 1	TRMX Car Model:	RAV4	Document No.:		WI-ENG-PDE-8	369		
		Purpose:	PROTOTYPE	PRE-LAUNCH	☐ MASSPRO		Revision No.:	0	Page No.:	5 of 7		
PARTS:		parts ector PBVP-06V-S (W); SV tube (Vinyl) ø5.5; t=0.5;	_=122±3mm				JIG:	n/a				
NO.	F	PROCESS NAME	WORK F	PROCEDURE/ II	LLUSTRATION		TOOLS/PPE	TOOLS/PPE QUALITY POINTERS				
8		Wire insertion of Assy part to Black SV tube (Vinyl) ø5.5; t=0.5; L=122±3mm	L R	11. Hold the a ø5.5; t=0.5; L	assy part, get 1 pc of Black SV .=122±3mm then insert the B- rted assy parts.	tube (Vinyl) V-Y-G and LG		 No wrong orientation of connector No wrong use of connector No damaged connector No wrong insertion of wires No loose insertion No wrong insertion One by one insertion 				
9	n/a	Wire insertion of Assy part to Connector PBVP-06V-S (W)	12. Hold the connector PBVP-06V-S (Note: Follow the insertion sequence illustration.	1 B 285	WIRE INSERTION ILLUSTRA 2	5 6 LG 289 e terminal tip		7. One by 0 8. No defor 9. No wron 1. Make s inserted. 2. Condur insertion. 3. Do not 4. Please	one insertion rmed terminal g wire facing portant reminder sure wires are pro-	operly II-Push after e. ear terminal. ences:		

WORK INSTRUCTION Effectivity Date:								July 4, 2024			
		Process Name/Title:		NG ASSEMBLY PRO	CESS		Validity Date:	n/a			
		Model code/Part number:	311D / 75S834-7050	Customer: TRMX	Car Model:	RAV4	Document No.:		WI-ENG-PDE-86	9	
		Purpose:	PROTOTYPE	PRE-LAUNCH	MASSPRO		Revision No.:	0	Page No.:	6 of 7	
PARTS:	1. Assy	/ parts					JIG:	n/a			
NO.	F	PROCESS NAME	WORK PROCEDURE/ ILLUSTRATION				TOOLS/PPE	QUALITY POINTERS			
10	n/a	Measurement	White Vinyl Tube (B)	① 29:	(4) 13 <u>Vinyl</u>	Tube (B) Ø7 Vinyl Tape (Sky Bla (8) 2 (6) 64 ±3 (5) 109 ±	White	2. No wron 3. No dama 4. No wron 5. No loose 6. No wron 7. One by 0 8. No wron 6. 7 8	g insertion one insertion g wire facing MEASURING TAP 9 1 2 3 4 5	6789	

PARTS:	C n/a	Process Name/Title: Model code/Part number: Purpose:		VORK INSTRUCTION TAPING ASSEMBLY PRO 5S834-7050 Customer: TRMX PRE-LAUNCH	CESS Car Model:	RAV4	Effectivity Date: Validity Date: Document No.: Revision No.:	0 n/a	July 4, 2024 n/a WI-ENG-PDE-8 Page No.:	
	1174			75S83 ⁴			010.	1774		
		2. Check the wire a no tangled wires. 4. Check the orientation	on of harness.	3. Check this included for the state of the	24 Tes	6. Checl	nector to the terminal if with backing erted) or deformed terminal.	g out (not		