					WORK II	NSTRUCTION			Effect	tivity Date:		Mar	ch 31, 2023	
			Process Name/Title:		TAP	ING ASSEMBLY PRO	CESS		Validi	ty Date:			n/a	
			Model Code/Part Number	D01L	/ 75N347-	-0021 Customer:	TRJ		Docu	ment No.:		WI-E	NG-PDE-098	
			Purpose:	☐ PRO	OTOTYPE	☐ PRE-LAUNCH	MASSE	PRO	Revis	ion No.:	6	Page No.:	1 0	f 16
		1							<u> </u>		<u>'</u>	<u> </u>		
PARTS:			ector PBVP-04V-S (W) ector PBVP-08V-S (W)								JIG:	1. Insertion jig		
N	Ο.	Р	ROCESS NAME		WORK	K PROCEDURE/ ILLUSTI	RATION			TOOLS	S/PPE	QUA	LITY POINT	ERS
		P1	Connector setting to insertion jig PBVP-04V-S (W) PBVP-08V-S (W)	05	Lower Button  Tion Jig  Oper and lower guide u	sing left hand in same timing. Holes	ight hand then insert that ins	d and get 1 pc o insertion jig	p du  1. 2. I  wc  K   For	Houseke Maintain a practice Personal the orkplace is peep it in your alert learning to the rany trouble Assembly pervisor or	o wear personal quipment ion (gloves, ss, etc.)  eeping and always e 5's. ings on the prohibited. ur locker.  evel ole, inform of Assistant Line Leader e corrective n.	2. No wrong u 3. No wrong o 4. No damage	rientation of co	
		1.	10 1 0 0 1 1		Revision		\a.				Prepared by	: Checked by:	Approved by:	Noted by:
03/31/23	ь	tube (Su	nprene) and change tube colo	from Brown to I	Dark Brown. Inclusion	Change term from sunprene tube to of Quality checkpoints (Page 16). 5,6,7,8,9,10,12 and 13. Improve wo	D.Castillo		C. Villanueva	A. Arañes				
10/21/22	5	procedu	re/ illustration on process no.1	5- Visual/by two's	's inspection due to pro	ces improvement.	M. Ariola	J. Loterte	Villanueva	A. Arañes	0			0
08/02/22	4	insertion		Wire and Strip	Length Tolerance. Incl	nent. Additional quality pointers in wi ude WI-ENG-PDE-431 for Steering	D.Castillo		C. Villanueva	A. Arañes	D. Castille		C. Villanueva	A. Arañes
Eff. Date	Rev. No			Det	etails of Change		Revised	Checked	Approved	Noted /	Established [	Date: Octo	ber 9, 2019	

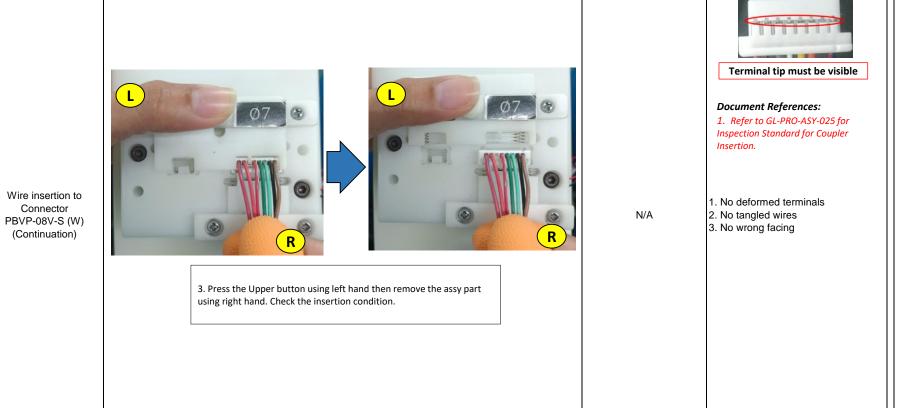
	WORK INSTRUCTION Effectivity Date: March 31, 2023 Process Name/Title: TAPING ASSEMBLY PROCESS Validity Date: n/a												
	Proce	ess Name/Title:		TAPING A	SSEMBLY	PROCES	S		Validity Date:			n/	a
	Mode	el Code/Part Number	D01L	/ 75N347-0021	Custome	:	TRJ		Document No.:			WI-ENG-F	PDE-098
	Purpo	ose:	PRO	TOTYPE	PRE-LAUN	CH	MAS	SPRO	Revision No.:		6	Page No.:	2 of 16
									1				
PARTS: 6	1. AVSS 0.3 E 2. Dark Browr	BR L=289±2mm; GR/lin VM tube (Sunprene)	3 L=158±2mm; Ø5 L=116±3m	W/G L=158±2mm; R/L L=2 nm	89±2mm					JIG	1. Inserti	on jig	
NO.	PROC	ESS NAME		WORK PRO	CEDURE/ IL	LUSTRATIO	N		TOOLS/	PPE			OINTERS
			INSERTION	SEQUENCE FROM LEFT TO RIG	GHT	WIRE INSERTI	ON ILLUSTRA	ATION				rovided jig p ong usage o	
				-		1 2	3	4			3. One b	y one insert	ion
			<b>1</b>	2(3)4		BR GR/B	W/G	R/L	STEERI	-		ong insertio formed tern	
						289 158	158	289	NAVIGAT	ION	6. No stu	ıck of termir	nal tip
2		Wire insertion to Connector PBVP-04V-S (W)	GR/B-W/G-R/L	vire using left hand and transfer wires. Check the wire after inse insertion sequence based on	sertion.		ector. Repe	at the process for	CONTRO	LLER	1. Plea termin 2. Mak inserte Push a Do not  Docum 1. Refe Steering procedi 2. Refer and Str. 3. Refe.	se hold the all during installed and during installed and conduct of the insertion exert extralled and conduct of the insertion of the inserti	sertion. s are properly Pull-Push-Pull- n. force. nces: PDE-044 for Controller
3	Da	Wire insertion to rk Brown VM tube (Sunprene) Ø5 L=116±3mm	L	R R		- 100 m	VM tu Ø5 L=1 left ha to righ wires u and in:	the Dark Brown be (Sunprene) 116±3mm using nd and transfer it hand. Hold the using left hand sert the wires right hand.	N/A		2. No de	ong usage of formed term	•

		WORK INSTRUCTION	Effectivity Date:	March 31, 2023
	Process Name/Title:	TAPING ASSEMBLY PROCESS	Validity Date:	n/a
	Model Code/Part Number	D01L / 75N347-0021 Customer: TRJ	Document No.:	WI-ENG-PDE-098
	Purpose:	☐ PROTOTYPE ☐ PRE-LAUNCH ■ MASSPRO	Revision No.:	6 Page No.: 3 of 16
PARTS:	1. AVSS 0.3 wires R L=161±2mm  PROCESS NAME	; R/W L=161±2mm; G L=161±2mm; LG L=161±2mm; B L=161±2mm  WORK PROCEDURE/ ILLUSTRATION  INSERTION SEQUENCE FROM LEFT TO RIGHT  WIRE INSERTION ILLUSTRATION	JIG TOOLS/PPE	1. Insertion jig  QUALITY POINTERS
4	Wire insertion to Connector PBVP-08V-S (W)	Note: Holes that need to be insert are only open.  1 2 3 4 5 6 7 8 X R/W G LG B X 161 161 161 161 161 161 161 161 161 1	STEERING NAVIGATION  CONTROLLER	1. Use provided jig per model 2. No wrong usage of parts 3. One by one insertion 4. No wrong insertion 5. No deformed terminal 6. No stuck of terminal tip  Important reminders/Note/s: 1. Please hold the wire near terminal during insertion. 2. Make sure wires are properly inserted. Conduct Pull-Push-Pull-Push after insertion. Do not exert extra force.  Document References: 1. Refer to WI-ENG-PDE-044 for Steering Navigation Controller procedure. 2. Refer to WI-PRO-CNC-017 for Wire and Strip Length Tolerance 3. Refer to GL-PRO-ASY-028 for Pull-Push procedure.

				WORK INSTRU	CTION		Effectivity Date:	March 31, 2023
		Process Name/Title:		TAPING AS	SEMBLY PR	OCESS	Validity Date:	n/a
		Model Code/Part Number	D01L /	75N347-0021	Customer:	TRJ	Document No.:	WI-ENG-PDE-098
		Purpose:	PROTOTYF	E	PRE-LAUNCH	MASSPRO	Revision No.:	6 Page No.: 4 of 16
							<u> </u>	
PARTS: 6	1. Black	VM tube (Sunprene) Ø7 L	=119±3mm				JI	IG 1. Insertion jig
NO.	Р	ROCESS NAME		WORK PROCE	EDURE/ ILLUS	TRATION	TOOLS/PPE	QUALITY POINTERS
5		Wire insertion to Black VM tube (Sunprene) Ø7 L=119±3mm	L O7	1. Get the Blav M tube (Sunprene) Ø L=119±3mm right hand. Hithe wire using hand then institute wires.	otor using lold ng left	2. Press the Upper button using left hand.  3. Remove the 1st connector with inserted wires and Dark Brown VM tube (Sunprene) using right hand then press the upper guide using left hand. Check the wire insertion condition. Note: Second connector with inserted wire and Black Sunprene tube will stay in the jig.	N/A	1. No wrong usage of parts 2. No deformed terminal 3. No tangled wires  Terminal tip must be visible  Document References: 1. Refer to GL-PRO-ASY-025 for Inspection Standard for Coupler Insertion.
6		Wire insertion to assy parts	L	R	75N947-0021 J1-A	1. Hold the Black VM tube (Sunprene) using left hand and insert the wires from Dark Brown VM tube (Sunprene) using right hand.	N/A	No wrong use of parts     No deformed terminal     No tangled wires

					WORK INST	RUCTION			Effectivity Date:			March 31	1. 2023
	Process Name/Title: TAPING ASSEMBLY PROCESS											n/a	·
	Mo	odel Code/Part Number	D01L	1	75N347-0021	Customer:	7	 Г <b>R</b> J	Document No.:			WI-ENG-P	DE-098
	Pu	ırpose:		PROTOTYF	PE	PRE-LAUNCH		MASSPRO	Revision No.:		6	Page No.:	5 of 16
										I	1		
PARTS:	1. Assy par	rts								JIG	1. Insert	ion jig	
NO.	PRC	CESS NAME			WORK PRO	CEDURE/ ILLU	STRATION		TOOLS/	PPE	Q	UALITY P	OINTERS
7	<b>6</b>	Wire insertion to Connector PBVP-08V-S (W)	2. Hold the right hand	2 3 4 X	R  In the process on BR wire. In the process on BR wire. In the process on sequence based of the process of the	R/L R 289 161	RW CO 161 16	Wire facing  Wire facing  Wire facing	STEERIN NAVIGATI	ION	2. No w 3. One I 4. No w 5. No de 6. No st  Impor 1. Plec termin 2. Mai inserte Push c Do no  Docun 1. Ref Steerin procea 2. Refe and St 3. Refe	ed. Conduct <u>F</u> after insertion t exert extra j ment Referen er to WI-ENG-I g Navigation ( lure. er to WI-PRO-C rip Length Tole	of parts ion in inal inal tip  ers/Note/s: wire near ertion. are properly Pull-Push-Pull- in. force.  eres: PDE-044 for Controller  CNC-017 for Wire

					WORK INSTRUC			Effectivity Date:			March 3	1, 2023	
		Process Name/Title:			TAPING AS	SEMBLY PRO	CESS	Validity Date:	ate:		n/a		
		Model Code/Part Number	D01L	1	75N347-0021	Customer:	TRJ	Document No.:			WI-ENG-I	PDE-098	
		Purpose:	PF	ROTOTY	PE [	PRE-LAUNCH	MASSPRO	Revision No.:		6	Page No.:	6 of 16	
PARTS:	1. Assy	parts							JIG	1. Inser	tion jig		
NO.	Р	ROCESS NAME			WORK PROCE	DURE/ ILLUSTF	PATION	TOOLS/	DDF		IIAI ITV E	POINTERS	



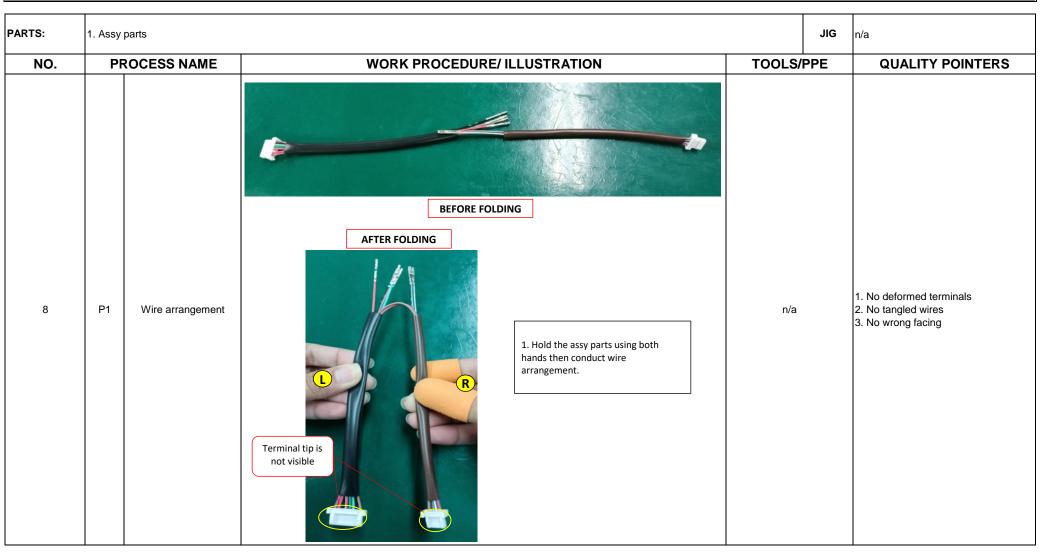
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P1

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WORK INSTRUCTION Effectivity Date:									March 31, 2023			
Process Name/Title:			TAPING AS	SSEMBLY PRO	DCESS	Validity Date:	n/a					
Model Code/Part Numbe	D01L	1	75N347-0021	Customer:	TRJ	Document No.:		WI-ENG-	PDE-098			
Purpose:	PF	ROTOTYF	PE	PRE-LAUNCH	MASSPRO	Revision No.:	6	Page No.:	7 of 16			



					WORK INSTRUC			Effectivity Date:			March 3	31, 2023
		Process Name/Title:			TAPING ASS	SEMBLY PR	OCESS	Validity Date:			n	/a
	5	Model Code/Part Number	D01L	1	75N347-0021	Customer:	TRJ	Document No.:			WI-ENG-	PDE-098
		Purpose:	☐ PI	ROTOTY	PE	PRE-LAUNCH	MASSPRO	Revision No.:		6	Page No.:	8 of 16
PARTS:		nnector 1318386-2 (B)			WORK PROOF		TRATION	T0010	JIG		tion jig	
NO.	F	PROCESS NAME			WORK PROCEI	DURE/ ILLUS	TRATION	TOOLS/I	PPE	'	QUALITY I	POINTERS
		INSER	RTION JI	Visual reference Upper button Upper guide	Connector	Note: Check the connector before insertion.			2. No w 3. No w	the provided j vrong usage o vrong orientati amaged conn	f parts on of connector	

1318386-2 (B) 75N348-0021 J1-B 1. Get the connector 1318386-2 (B) and insert to insertion jig uisng right Note: Follow the connector orientation

Lower guide

Connector setting to

insertion jig

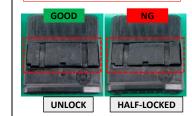
2. Press the upper and lower guide using left hand. Holes that need to be insert are only open.

## Important reminders/Note/s:

N/A

1. Automatically dispose and replace the unit if once encountered bend terminal, difficulty of insertion and half- locked connector.

CONNECTOR LOCK APPEARANCE CHECK



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			WORK INSTRUCT	ION	Effectivity Date:	March 31, 2023
		Process Name/Title:	TAPING ASSE	MBLY PROCESS	Validity Date:	n/a
		Model Code/Part Number	<b>D01L</b> / <b>75N347-0021</b>	customer: TRJ	Document No.:	WI-ENG-PDE-098
		Purpose:	PROTOTYPE P	RE-LAUNCH MASSPRO	Revision No.:	6 Page No.: 9 of 16
	1					
PARTS:	1. Assy	parts	٨		JIG	1. Insertion jig
NO.	P	ROCESS NAME	6 WORK PROCEDU	IRE/ ILLUSTRATION	TOOLS/PPE	QUALITY POINTERS
			INSERTION SEQUENCE FROM LEFT TO RIGHT	WIRE INSERTION ILLUSTRATION		
10	P1	Connector setting to insertion jig 1318386-2 (B)	Ist row (LEFT TO RIGHT)  PIRST ROW (LEFT TO RIGHT)  1. Insert first the wires from Black VM tube (Sunprene). Hold the G wire and insert to terminal slot 1 using right hand. Repeat the process for LG-B wires.  Note: Follow the insertion sequence based on the illustration stated above.	GR/B R/W X W/G X R X X 158 161 158 161 161 161 161 161 161 161 161 161 16	N/A	1. Use provided jig per model 2. No wrong usage of parts 3. One by one insertion 4. No wrong insertion 5. No deformed terminal 6. No stuck of terminal tip  Important reminders/Note/s: 1. Please hold the wire near terminal during insertion. 2. Make sure wires are properly inserted. Conduct Pull-Push-Pull-Push after insertion. Do not exert extra force. 3. Automatically dispose and replace the unit if once encountered bend terminal, difficulty of insertion and half-locked connector.  Document References: 1. Refer to GL-PRO-ASY-028 for Pull-Push procedure. 2. Refer to WI-PRO-CNC-017 for Wire and Strip Length Tolerance

				WORK INSTRU	CTION		Effectivity Date		March 31, 2023	
NB		Process Name/Title:		TAPING AS	SEMBLY F	ROCESS	Validity Date:		n/a	
		Model Code/Part Number	D01L /	75N347-0021	Customer:	TRJ	Document No.:		WI-ENG-PDE-09	В
		Purpose:	PROTOTY	/PE	PRE-LAUNCH	MASSPRO	Revision No.:		6 Page No.: 10	of 16
PARTS:	1. Assy			<u> </u>				JIG	1. Insertion jig	
NO.	Р	ROCESS NAME		6 WORK PROCE	:DURE/ ILLU	JSTRATION	TOOLS	/PPE	QUALITY POINT	ERS
10	P1	Wire insertion to Connector 1318386-2 (B) (Continuation)	2ND ROW  1ST ROW (LE  3. Hold the GR/B w left index finger the Repeat the process	Wire facing  EFT TO RIGHT)  Vire using right hand and suppen insert to terminal slot 6 us	7 5 GR/B R/W 158 161 X X  Dark  From the wire by sing right hand.	WIRE INSERTION ILLUSTRATION	1 3		1. Use provided jig per mod 2. No wrong usage of parts 3. One by one insertion 4. No wrong insertion 5. No deformed terminal 6. No stuck of terminal tip Important reminders/Not 1. Please hold the wire net terminal during insertion. 2. Make sure wires are proinserted. Conduct Pull-Pus Push after insertion. Do not exert extra force.	el e/s: ar

		WORK INSTRU	ICTION	Effectivity Date:	March 31, 2023
	Process Name/Title:		SEMBLY PROCESS	Validity Date:	n/a
	Model Code/Part Numbe	D01L / 75N347-0021	Customer: TRJ	Document No.:	WI-ENG-PDE-098
	Purpose:	PROTOTYPE	☐ PRE-LAUNCH ■ MASSPRO	Revision No.:	6 Page No.: 11 of 16
PARTS: <u>6</u> 2. E	AVSS 0.5 wire L L=129mm Black VM tube (Sunprene) L=1				JIG n/a
NO.	PROCESS NAME	WORK PROCE	EDURE/ ILLUSTRATION	TOOLS/PPI	E QUALITY POINTERS
11 F	Wire insertion to Black VM tube	1. Get the Blue wire using right hand and insert to Black VM tube (Sunprene) Ø3 L=113±3mm.	2. Measure the VM tube (Sunprene) up to the tip of the terminal, it should be 11mm.	MEASURING TA	

(Sunprene) Ø3 L=113±3mm

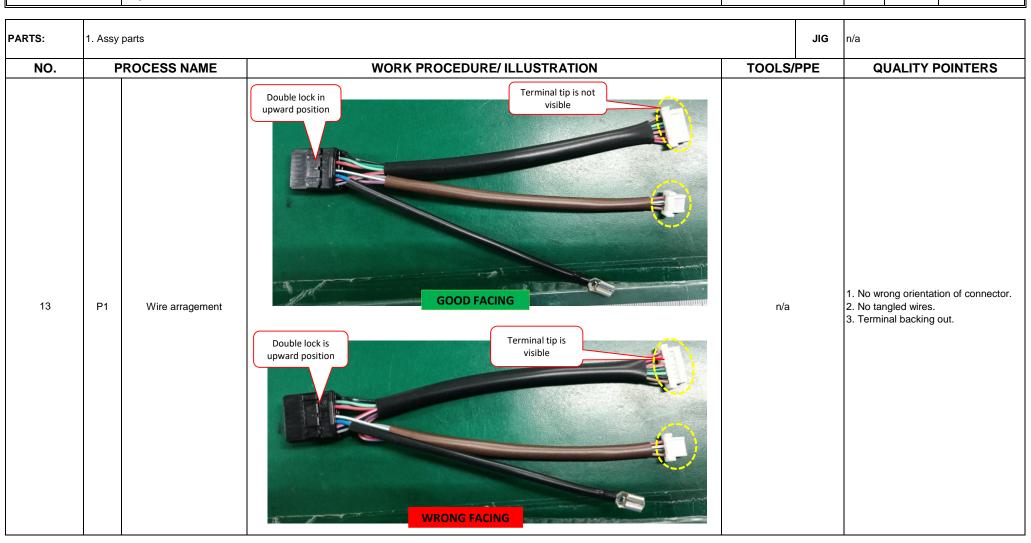
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Important Reminder/Note/s:
1. Please use calibrated/verified measuring tape when getting the

measurement.

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		Process Name/Title:			TAPING AS	SEMBLY P	ROCESS		Validity Date:		n/a
		Model Code/Part Number	D01L	/ 7	75N347-0021	Customer:	TF	₹J	Document No.:		WI-ENG-PDE-098
		Purpose:	PR	OTOTYPE		PRE-LAUNCH	ı	MASSPRO	Revision No.:		6 Page No.: 12 of 16
	1										
PARTS:	1. Assy	parts								JIG	1. Insertion jig
NO.	Р	ROCESS NAME		<u>/6\</u>	WORK PROCE	EDURE/ ILLU	STRATION		TOOLS/	PPE	QUALITY POINTERS
			INSERTION	SEQUENCE	FROM LEFT TO RIGHT		WIRE INSERTION I	ILLUSTRATION			
12	P1	Wire insertion to Connector 1318386-2 (B) (Continuation)	2ND ROW  1ST ROW  FIRST RO	DW (LEFT TO	4. Get the terminal s	slot 11 using right low the insertion se	129 158  X X  Wire fa	cing	n/a		1. Use provided jig per model 2. No wrong usage of parts 3. One by one insertion 4. No wrong insertion 5. No deformed terminal 6. No stuck of terminal tip  Important reminders/Note/s: 1. Please hold the wire near terminal during insertion. 2. Make sure wires are properly inserted. Conduct Pull-Push-Pull-Push after insertion. Do not exert extra force.





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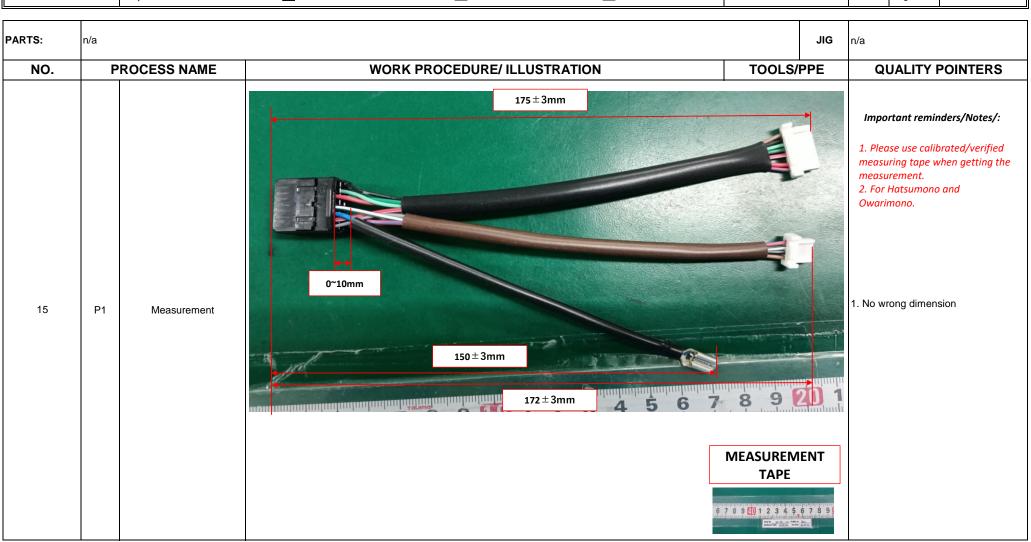
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		Model Code/Part Number:	D01L	1	75N347	7-0021	Customer:	TRJ		Document No.:		WI-ENG-F	PDE-098		
		Purpose:	☐ F	ROTOTYP	PE		PRE-LAUNCH	MASSPRO	0	Revision No.:		6 Page No.:	14 of 16		
										<u> </u>		I			
PARTS:	1. Assy 2. Maste	parts er sample									JIG	n/a			
NO.	P	PROCESS NAME	WORK PROCEDURE/ ILLUSTRATION								PPE	QUALITY POINTERS			
			1. Check the locking of co	nnector is	included		wire alignment. o tangled wires.	3. Check the presence o attachment and band cl condition.							
14	P1	Visual/By two's inspection	4. Check the fully inserte	terminal d) or defo	be (Sunprene if with backin rmed termina r sample by ta	g out (not		Dark Brown VM tube (S  5. Check the orientation of h  GINEERING SAMPLE  ABLED PARTS		n/a		Document Reference  1. Refer to WI-ENG-P Steering Electrical Test assembly.  MASTER S.	DE-431 for st after		

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	Process Name/Title:		Validity Date:		n/a					
	Model Code/Part Number:	D01L	1	75N347-0021	Customer:	TRJ	Document No.:		WI-ENG-I	PDE-098
	Purpose:	☐ PF	ROTOTY	PE [	PRE-LAUNCH	MASSPRO	Revision No.:	6	Page No.:	15 of



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Process Name/Title:											
Model Code/Part Number: D01L / 75	<b>N347-0021</b> Customer: <b>TRJ</b>	Document No.:	WI-ENG-PDE-098								
Purpose: PROTOTYPE	PRE-LAUNCH MASSPRO	Revision No.:	6 Page No.: 16 of 16								
PARTS: n/a		JIG	n/a								
	6 OHALITY CHECKBOINTS										
<u>6</u> QUALITY CHECKPOINTS											
	7FN247 0024										
	75N347-0021										
	Check the wire alignment.										
should be unlock.	ke sure no tangled wires.		CHARLES AND THE								
SHOULD BE UNIOUK.											
	Black VM Tube (Sunprene)										
	A CONTRACTOR OF THE PARTY OF TH										
	4-2										
Black VM Tube (Sunprene)  Dark Brown VM Tube (Sunprene)  FOLDED WIRES MUST BE IN BACK POSITION											
								Tube	Vs.	Tuhe (c.	MUST BE IN
									<sup>3un</sup> prene)	(Sunprene)	BACK POSITION
int											
3. Check the orientation of harness.	5. Check the terminal if with backing out										
	(no fully inserted) or deformed terminal	6. Compare to maste	er sample.								
4. Check if no missing parts.	(no rany inserted) of deformed terminal	o. compare to maste	2. 3ap.c.								
T. Check if no inissing parts.											