

Process Name/ Title: MR+CSW Assembly Procedure

Document No:

WI-PRO-COS-066

WORK INSTRUCTION

Effective Date:

December 04, 2024

Product Code/Name:

Customer Code:

Rev. No.:

Page No.:

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No.			Work Procedure/ Illustration	Records/Remarks/ Quality Pointers
1	1) to the gauge	nd: Place the index finger (Pic. ne push nut, move pass thru setting (Pic. 2) and place to proper setting (Pic. 3).	Pic.1 Pic.2 gauge setting proper place of push nut proper place of push nut	Ensure to wear gloves Always conduct hatsumono and owarimono every change model Only one push nut should be fitted to the gauge setting Ensure to place the push nut in the red marking.
2	4) until	and: Pull the lever down (Pic. the push nut attached on the sh nut probe pin (Pic. 5).	Pic.4 Pic.5	Ensure that the vacuum (push nut jig) is properly working. Ensure that the push nut attached to the push nut probe pin.
4	Rig Le	Simultaneously, Iht hand: Get the housing ft hand: Get the harness (Pic.6)	Pic.6	
5	housing	and Inspect the condition of the then insert the housing in the c.7), wait until it locks (Pic.8).	Pic.7 Pic.8	Ensure that the housing was locked before inserting the homelted PCB Refer to the below picture for the proper position of housing.
6		nd: Hold the machine handle and: Insert the hotmelted PCB (Pic.9)	Pic.9 Fig.1 insertion direction Proper Position	Ensure to follow the proper insertion of the hotmelted PCB (Fig.1) Actual Photo Refer to the below picture for the proper position
12/04/2024	4	Include remarks at page no. 2	when encountering twist spring L.Famodulan A. Ayop W. Carbillon	Prepare Check Approved
01/27/2023	3		ustration no. 20 additional note in process 24 & L.Famodulan C. Lalican O. Merin 59; update IS reference no.	

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06/01/2022

03/22/2022

06/30/2021

Eff./Rev. Date

Include holder assembly

Remove other process., Revise base on actual procedure

New Stablished Document

Details of change

O. Merin

O. Merin

O.Merin

Approve

..Famodulan

A. Ayop

O. Merin

O. Merin

D. Cornero

Check

C. Lalican

C. Lalican

L.Famodulan

Revise



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7	Right hand: until the pusl	Push the machine handle (Pic.10) Pull the lever down h nut attached to the ed PCB (Pic.11)	Pic.10		Pic.11				that the push nut ached to hotmelted
8	handle (Pic. hotmelted Pic nu Check p	: Pull the machine .12) and remove the CB w/ attached push ut (Pic.13). 	Pic.12		Pic.13	Pic.14 (2) (3	(4)	of the puper of th	art up check the gap ish nut to hotmelted four sides checking ish nut, use the gauge (max every change model tindentation condition ousing pin if there is ure
9	Right Hand	Hold the assembled PCB d: Insert the spring ion(7K0580-0040) the housing (7K0580-0020)	Pic.15			Proper F		before in free from (IS-QAD) Ensure the left s When encombine	o check the spring sertion it should be deformation or excess -QAC-004) that the PCB is facing to ide position (Pic.16) counter twist spring or spring CALL the ON of LEADER
10	Right Hand magnet to t and check th	Hold the assemble PCB d: Insert the slider the housing (Pic.17) he smoothness slider bulling down (Pic.18)	Pic.17		Proper positioning while inserting the slider magnet			is free f materia crack e Ensure compre Ensure facing t Ensure	that spring ssion has no gap. that the PCB is o the left side to check the ness of the slider
11	PC Right Hand: Cond	Hold the assemble CB (Pic.19) Get and insert plate uct Inspection S-PRO-COS-010	Pic.1	19		Proper Fa	acing	front po	to follow the Work ion unter NG: CALL-WAIT untered NG always Line Leader



12

15

16

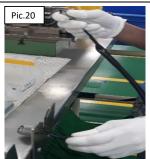
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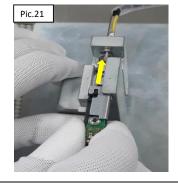
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Put the coupler in the holder (Pic.20)

Left hand: Hold the plate insertion jig Right hand: Insert the assemble PCB to

the plate insertion jig to lock the plate (Pic.21)





Records/Remarks/ Quality Pointers Note: Lock indicator will

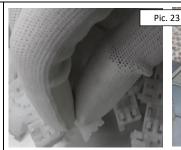
light if already lock (Pic. 22)

Pic.22



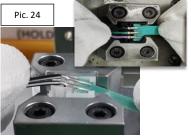
HOLDER, ENGRAVING AND GREASE APPLICATION ASSEMBLY

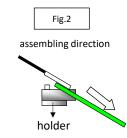
Get and insert the holder in the holder jig.(Pic.23)

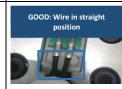




Left and Right Hand: Slide the soldered stator slantly (from top to bottom Fig.2) in the holder (Pic.24)







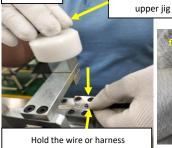


Left Hand: Hold the wire or harness (Pic.25)

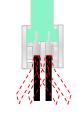
Right Hand: Press the down the holder jig

(Pic. 25)

Note : Use 2 to 3 Finger during pressing the holder jig to apply proper force

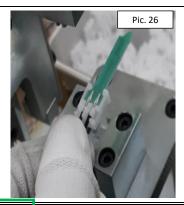






Left/Right Hand: Get the soldered stator with holder. (Pic.26)

Inspect the condition base on IS-PRO-COS-010



Press down the

Ensure that is free from: > Terminal fracture and deformation

- > Fracture, damage and scratch in holder claw
- >Damage and scratch in stator and pattern
- >Bend Stator/Terminal

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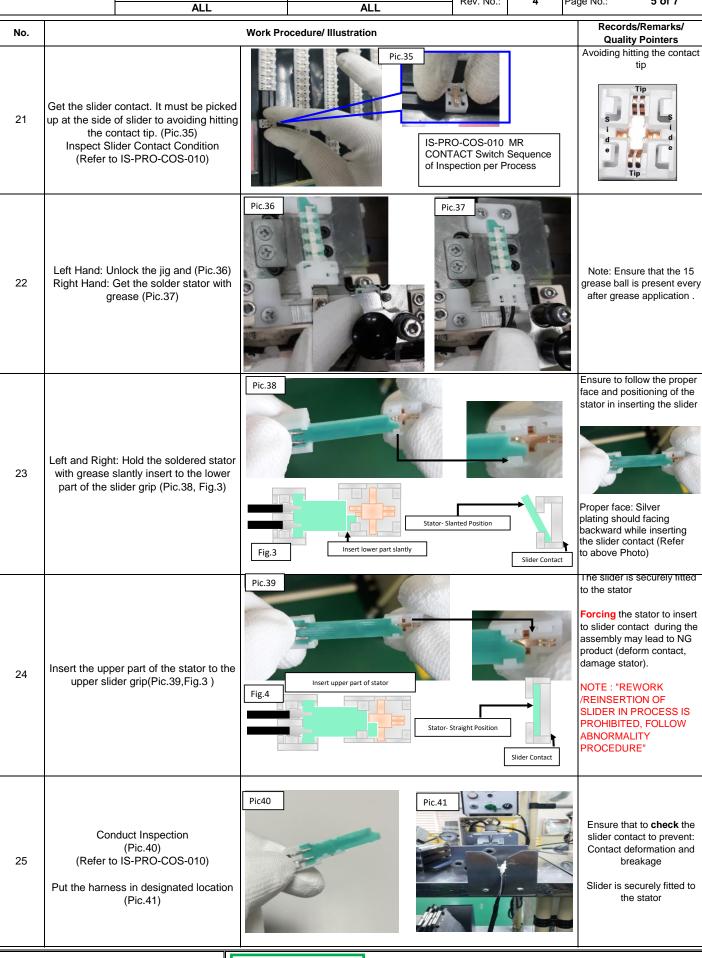
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17	applicator	Pull the lever of grease jig (Pic.29) and insert stator in the jig.(Pic.30)	Pic.29		Pic.30	0000		
18	perform	oing grease application, engraving lot in the oupler.(Pic.31)		Pic.31				
19	Check the co	ondition of the engraving. (Pic.32)	Pic.32		Date	Year Month	Check the cengraving: <> Crack <> Unreada <> Damage <> No engra <> Excess f	ble d grave ave
20	prior picking.	r contact towards operator Finger must be positioned of slider contact.(Pic.33)	Pic.33	Pi	c.34		Plate must I where contains facing the	pe positioned act slider side operator

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			Funct	ion Tester and In	spectio	า		
26		d: Pick the harness in sted location(Pic.42).		Pic.42				NOTE: "REWORK / REINSERTION OF SLIDER IN PROCESS IS PROHIBITED, FOLLOW ABNORMALITY PROCEDURE"
27	Insert the cousing right	oupler into the coupler jig hand(Pic.43 and Pic.44)	Pi	ic.43	Pic.44			
28	Right Hand	imultaneously :Insert the MR switch, tip first. (Pic.45). and : Insert Contact switch(Pic.46).	Pic.45 Pic.47	MR Switch	Pic.48	Contac	et Switch	Ensure to follow proper insertion, tip of the Contact and MR switch. (Pic. 47&48)
29	left hand to while holdin	tch using the little finger of commence function test g the MR switch and the tator.(Pic.49).		Pic.49				
30	Wait for th	e result of function test. (Pic.50).		Pic.50 Test Bases Section Secti	223 err	0		



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No. Work Procedure/ Illustration After function test, the machine alarm will set off to indicate that function test Pic.51 Pic.52	
	ļ
will set off to indicate that function test already completed. Right Hand: Machine confirmation "finger pointing YOSH" (Pic.51). Machine will display that the connector can be take off and already stamped by the machine. (Pic.52). If encounte inform freem for verification must be con Leader Ensure that of able to witne test is G	nan / leader on. Re-test nducted by only. perator was ess that the
Remove the coupler using right hand(Pic.53). then remove the stator. (Pic.54). Note: Hold during remove the stator. Tester	oving from
Place the harnes undergone passed function test to the harness holder(Pic.55) Then repeat the process from the start of Process 3. (no. 26- 29)	
While waiting to complete the function test, pick the harness placed at the holder (finished function test)(Pic.56). then conduct inspection. Refer to IS-PRO-COS-010 (Pic.57).	
After inspection, placed the harness to the FG box, ensure that the MR switch and stator is inside the plastic for its protection.(Pic.60). Repeat the process no. 31-33 Refer to WI-PRO-COS-067 Regarding the proper way of handling the product during packaging.	for each
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