

# Embroidery machine recommended settings - ITC U CCP Settings

*Coloreel recommended setting in Bold reflects changes from Tajima default*

Tajima TMEZ-series			ITCU	
Menu position	Setting name	Recommended setting	Corresponding CCP setting in the ITCU	Comments
7	Start inching	4	-	Set how many times inching is performed when the operation starts again after stopping the machine during embroidery
8	Inching after ATH	4	-	Set how many times inching is performed when the operation starts again after data setting or thread trimming
9	Auto Jump	<b>NO</b>	-	If set to other level than NO, the embroidery machine will add main shaft revolutions that the ITCU do not account for. The recommended setting may cause very long stitches and overspeed for the ITCU
10	Jump convert	3	<b>Jump convert:</b> 3	Setting of how many consecutive jump stitches that will cause thread trimming and move the frame to next stitch
12	Auto F.B. after t. Detection	No	<b>Thread break ties:</b> 0	Setting to perform Frame back automatically at thread breakage.
13	Overlap frame back	No	-	Set a start position of embroidering at head after Frame back. Setting value other than No will confuse the ITCU stitch counting
23	Return stitch	2	<b>Tie ins:</b> 4	Set number of Return stitch (machine added tie ins) at start of embroidery
	Return stitch length	0,8	<b>Tie stich length:</b> 0,8	Set the stitch length for the return stitch
24	Tie stitch	<b>B</b>	<b>Tie offs:</b> 2	Set the pattern of Tie stitch (machine added lock stitch) to be executed before thread trimming
	Tie stitch length	<b>0,8</b>	<b>Tie stich length:</b> 0,8	Set the stitch length for the Tie stitch
26	Upper thread detection	2	-	Set the sensitivity of detection when the upper thread breaks. Do not set too sensitive, it may cause false alarms
27	Under thread detection	4	-	Set the sensitivity of detection when the under thread breaks. Do not set too sensitive, it may cause false alarms

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Tajima TMBR/BP-series			ITCU	
Menu position	Setting name	Recommended setting	Corresponding CCP setting in the ITCU	Comments
F1:1	Jump convert	3	<b>Jump convert:</b> 3	Setting of how many consecutive jump stitches that will cause thread trimming and move the frame to next stitch
F1:2	Auto Jump	<b>NO</b>	-	If set to other level than NO, the embroidery machine will add main shaft revolutions that the ITCU do not account for. The recommended setting may cause very long stitches and overspeed for the ITCU
F2:3	Main Shaft Inshing	4	-	Set how many times inching is performed when the operation starts again after stopping the machine during embroidery
			<b>Thread break ties:</b> 0	Set to 0 at the Operator Panel
F2:6	Upper thread	2	-	Set the sensitivity of detection when the upper thread breaks. Do not set too sensitive, it may cause false alarms
F2:6	Under (Unit)	4	-	Set the sensitivity of detection when the under thread breaks. Do not set too sensitive, it may cause false alarms
F2:6	Under (Step ratio)	50%		Set the sensitivity of detection when the under thread breaks. Do not set too sensitive, it may cause false alarms
F2:9	Tie stitch	<b>B</b>	<b>Tie offs:</b> 2	Set the pattern of Tie stitch (machine added lock stitch) to be executed before thread trimming
F2:9	Tie stitch length	<b>0,8</b>	<b>Tie stich length:</b> 0,8	Set the stitch length for the Tie stitch
F2:9	Return stitch	2	<b>Tie ins:</b> 4	Set number of Return stitch (machine added tie ins) at start of embroidery
F2:9	M. shaft Inching after thread trimming	4	-	Set how many times inching is performed when the operation starts again after data setting or thread trimming
F2:9	Return stitch length	0,8	<b>Tie stich length:</b> 0,8	Set the stitch length for the return stitch

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Tajima TFMX-series			ITCU	
Menu position	Setting name	Recommended setting	Corresponding CCP setting in the ITCU	Comments
F1:1	Jump convert	3	<b>Jump convert:</b> 3	Setting of how many consecutive jump stitches that will cause thread trimming and move the frame to next stitch
F1:2	Auto Jump	<b>NO</b>	-	If set to other level than NO, the embroidery machine will add main shaft revolutions that the ITCU do not account for. The recommended setting may cause very long stitches and overspeed for the ITCU
F2:3	Start inching	4	-	Set how many times inching is performed when the operation starts again after stopping the machine during embroidery
F2:6	Upper thread	2	-	Set the sensitivity of detection when the upper thread breaks. Do not set too sensitive, it may cause false alarms
F2:6	Under (Unit)	4	-	Set the sensitivity of detection when the under-thread breaks. Do not set too sensitive, it may cause false alarms
F2:9	Return stitch	2	<b>Tie ins:</b> 4	Set number of Return stitch (machine added tie ins) at start of embroidery
F2:9	Return stitch length	0,8	<b>Tie stich length:</b> 0,8	Set the stitch length for the return stitch
F2:9	Tie stitch	<b>B</b>	<b>Tie offs:</b> 2	Set the pattern of Tie stitch (machine added lock stitch) to be executed before thread trimming
F2:9	Tie stitch length	<b>0,8</b>	<b>Tie stich length:</b> 0,8	Set the stitch length for the Tie stitch
F2:9	Inching after ATH	4	-	Set how many times inching is performed when the operation starts again after data setting or thread trimming
C:5	Frame Back All Head Sew	No / No	<b>Thread break ties:</b> 0	Setting to perform Frame back automatically at thread breakage. Multi head-setting only.

# Embroidery machine recommended settings - ITC U CCP Settings

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Tajima TEJT-series			ITCU	
Machine setting	Setting name	Recommended setting	CCP setting in the ITCU	Comments
6	Jump conversion	3	<b>Jump convert:</b> 3	Setting of how many consecutive jump stitches that will cause thread trimming and move the frame to next stitch
7	Automatic Jump	<b>NO</b>	-	If set to other level than NO, the embroidery machine will add main shaft revolutions that the ITCU do not account for. The recommended setting may cause very long stitches and overspeed for the ITCU
9	Inching	2	<b>Tie ins:</b> 4	Set number of Return stitch (machine added tie ins) at start of embroidery
A	Tie stitching	So, Eo	<b>Tie offs:</b> 2	Set the pattern of Tie stitch (machine added lock stitch) to be executed before thread trimming
			<b>Thread break ties:</b> 0	
			<b>Tie stich length:</b> 0,8	Set the stitch length for the Tie offs
			<b>Tie stich length:</b> 0,8	Set the stitch length for the Tie ins

# Stitch count issue with the Tajima TWMX embroidery machine and the Wide frame setting

The Tajima TWMX-C series is an embroidery machine with the largest surface, 550×600 mm, for applications requiring a larger embroidery range, such as jackets, tracksuits, etc.

It can also be equipped with an optional X-Extension Unit, enlarging the available sewing field to 550 x 1200 mm. Customers with this machine and the Coloreel ITCU are experiencing problems with stitch counts since the machine software, when using the Wide table frame setting, will forcibly set the Auto Jump feature to the range of 2.0-4.0 mm, and the Auto Jump cannot be turned off in those frame modes.

This will result in a jump stitch inserted by the embroidery machine at each stitch with a 4.1 mm or longer length. Since those stitches are not in the stitch file, the ITCU stitch counting, registered by the axis-mounted stitch sensor, will be inaccurate. Hence the color placement in the design will not be acceptable.

## Solution for this issue:

### Special digitizing for Widefield frame settings

Widefield embroidery design files must include jump stitches to all stitches with a 4.1 mm or longer length.

The TWMX Auto Jump settings with Wide table frame settings must be set to 4.0 mm.