

### 3.2 Select the machine type and motor specification

#### STEPS

1. Press **[M]** and **[↵]** simultaneously, and turn ON the power until panel display "rS" then release the key.
2. Press **[M]** key, thus machine type will be cycled increased.
3. Press **[↵]** key to save.
4. Please restart the machine.

Machine Type		
LS	Lock Switch	DDL
OL	Overlock	MO
HD	Heavy duty	DNU

#### Parameter setting STEPS

1. Press **[M]** key and turn on the power until the panel display "PA. Release **[M]** key, the panel display parameters number. (or)
2. In normal mode, then press **[M]** key until the panel display "PA". Release **[M]** key, the panel display parameters number.

#### Parameter Setting Key Description

<b>[M]</b>	<b>[↵]</b>
1. Press one time to increase Number. 2. Hold Press to decrease number	1. Press one time to enter Parameter or parameter value. 2. Press 2 Seconds to Save Parameter value

#### Error message indicator

Error Code	Description of error detected
E.1 or E.A	Synchronizer failure
E.2	Motor is not rotating
E.5	Speed unit output failure
E.8	Setting speed over the motor maximum speed
E.9	IPM is failed
E.0 or E.C	Braking timing error

NO.	Item	Range	Unit	LS	OL	HD
P1	Maximum speed	2 ~ 80	*100spm	50	70	30
F1	Clutch mode	ON: Valid OF: Invalid	--	ON	ON	ON
F2	Motor rotating direction	ON: Clock wise OF: Counter Clock wise	--	ON	OF	ON
F4	Accelerating speed slope	1 ~ 8 (fast-slow)	--	4	3	4
F5	Decelerating speed slope	1 ~ 15 (fast-slow)	--	4	3	5
L1	Auto needle up positioning when power on	ON: Valid OF: Invalid	--	ON	ON	ON

\* For active Synchronizer adjust F1

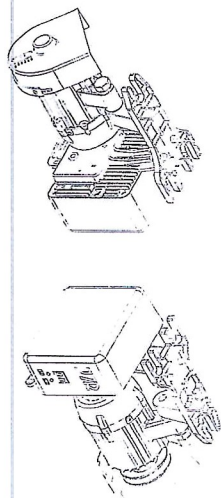
Control Box	Series Motor	Control Box	St
CB-55	CB-5535-IM1A	CB-65	CB
Serial No.	Pulley Size	Serial No.	1
1Φ , 110 / 220V AC	550W Φ106mm	1Φ , 110 / 220V AC	
JUKI DDL	MAX Speed 5000 SPM	JUKI MO	N

Control Box	Series Motor
CB-75	CB-7535-IM1A
Serial No.	Pulley Size
1Φ , 110 / 220V AC	750W Φ90mm
JUKI DNU	MAX speed 3000 SPM

# J7R/CB Series Control Box & Motor INSTRUCTION MANUAL

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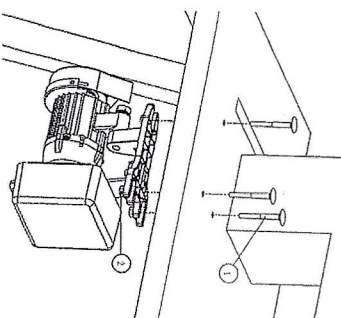


## For safe operation

- 1.1 Prior the use of this product, please read the instruction Manual. Keep this Instruction Manual and the user may read it at anytime when necessary.
- 1.2 Before turn on the power, be sure to check the incoming power voltage and phase agreeing with the nameplate that is indicated in the control box.
  - \* The operating incoming voltage should follow the voltage on the nameplate with  $\pm 10\%$  range up or down.
- 1.3 Grounding the machine is always necessary for safe and normal operation.
- 1.4 Check lubricating oil prior to operation.
- 1.5 Check that rotational direction of the motor is correct prior to operation.
- 1.6 To prevent personal injuries during operation, be careful not to allow your head and hands to come close to the moving parts. Also never try to stop the motor with your hand or external forces.
- 1.7 For the following conditions, turn off the power or disconnect the power plug from receptacle:
  - \* For threading needle or replacing bobbin.
  - \* To plug or unplug any connectors from control box.
  - \* For maintenance and repairing.
  - \* When machine is not at use, inspected or adjusted.
  - \* When lightning and thunder occurs.
- 1.8 Operating environment
  - \* Operating environment temperature  $5^{\circ}\text{C}\sim 45^{\circ}\text{C}$ .
  - \* Operating environment temperature  $30^{\circ}\text{C}\sim 95^{\circ}\text{C}$ .
  - \* Not close to high frequency or heat sources (such as electric heater).
  - \* Dew, corrosive gases, and dust places should be avoided.
  - \* Indoor use only, avoid the direct sunlight.
- 1.9 Warranty and maintenance
  - \* The warranty period of the product is 18 months from the date of manufacture.
  - \* Warranty void if improper use / man-made damage / voltage abnormal / bad grounding / self-dismantling / self-repair.
  - \* Warranty void if foreign matter into / natural disasters / lightning / salt corrosion / damp environment / falling dropping/ self-transport damage.
  - \* Repair parts should be provided by our company / maintenance person should be approved by our company. Must be Serviced by trained professionals only.

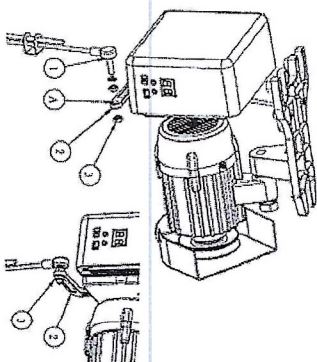
## Installation manual

- 1 Drill three holes of 9 mm on the machine table, fixed the motor (suspending bracket Assy) under the table, be sure that both pulleys of machine and motor should be parallel.
- 2 Put the carriage bolts to table holes(①).
- Then using(②) spacer - spring washer - sleeve nut to fix it.



## 2.3 Installing the connecting rod :

Fix connecting rod ① to install hole A of pedal sensor lever ② with nut ③.



## 2.4 Pulley rate adjustment :

- 2.4.1 Installation of Pulley which between Between Motor and machine.
- 2.4.2 Up-down shift tension adjust nuts.
- 2.4.3 Adjust belt tension force range

## 3. Operating way for control box panel

### 3.1 Connector Diagram& Panel key Functions

