



## **KH-313N OPERATION MANUAL**

電腦橫編織機 KH COMPUTERIZED FLAT KNITTING MACHINE

## DEAR CUSTOMER :

Welcome to be an owner of KH-313N computerized flat knitting machine as Kauo Heng endeavors to maintain a high standard of this machine, we also pleased for your cooperation to make the machine serve longer by reading this operation manual carefully before commencing your production.

Yours sincerely,

Kauo Heng Precision Machinery Industrial Co., LTD.

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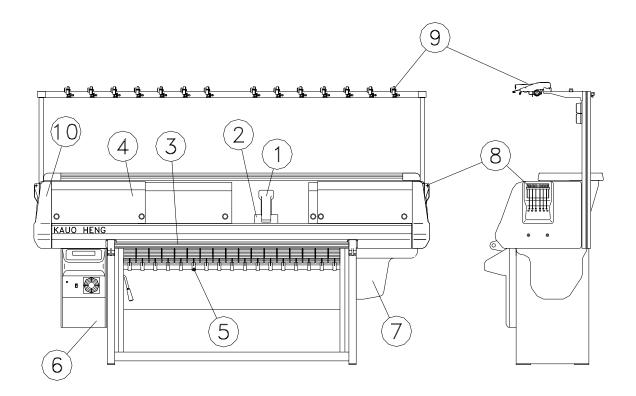
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# **OVERVIEW OF KH-313N**

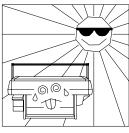


- 1. Yarn carrier selection
- 2. Carriage
- 3. Operation bar
- 4. Main cover
- 5. Fabric take-down roller
- 6. Controller
- 7. Main motor
- 8. Side tension
- 9. Top tension
- 10. Side cover

## 1. Points to observe

①Installation Environmental Conditions

Please install the machine as below instructions in order to use this machine in the best condition for a long period of time.

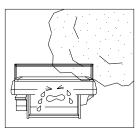


Do not install the machine at a place subject to direct sunshine and/or adjacent to a heat generation source such as a furnace/oven.

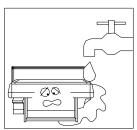


Do not install the machine at a place subject to rapid temperature changes.

The temperature should be  $0^{\circ}$ C ~  $35^{\circ}$ C inside the controller.



Do not install the machine at a place where there is a lot of dust and dirt, or a location affected by chemical gases, sea breeze etc.

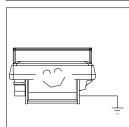


Do not install the machine at a place subject to excessive moisture.

The humidity should be 30 % ~ 80 %



Do not install the machine on a slope or unstable place.



Please connect the electric power and make sure the ground wire is connected correctly.

②Fig.1-1 illustrates the correct position of jacking while moving the machine.It is very important when moving the machine. The yarn carrier rail shall never be used to push the machine since it will distort the rail.

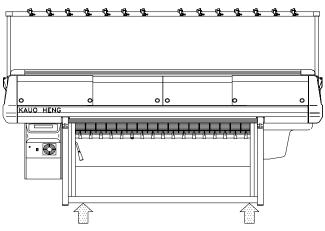


Fig.1-1Correct position of jacking the machine

③When connecting the electric power, attention must be paid to the correct voltage. And make sure the ground-wire connected.

## 2. Installation

①After unpacking and locating the machine in the factory, it must be leveled carefully with a spirit-level to avoid machine distortion in running. We recommend the machine to be leveled with rubber peddings for best result. Remove grease from the polished parts before starting to operate the machine. About the moving parts must be lubricated according to the following instruction.

Lubrication points	Lubricant	Frequency	
Carriage	# 10 oil	Daily	
Carrier rail	# 10 oil	Daily	
Needle bed	# 10 oil	Daily	
Driving parts	Hi-temp grease	Weekly	

Table 2-1 Lubrication

②Raise the yarn stand till the end of the tubes is leveled with the base plate, tighten the screws and connect the plug of stop motion situated at the left rear end.

## 3. Operation

3-1 Power switch

As Fig.3-1 front sideof controller, easily find two switches. Filp upward is "ON" and downward is "OFF".

Fluorescent lamp switch



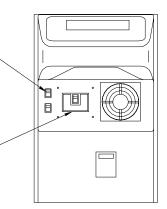


Fig.3-1 Front side of controller

- 3-2 Operation bar
- 3-2-1 Inching : When turning forward of the operation bar, machine operates slowly and stops when you loosen.
- 3-2-2 Starting : When turning backward of the operation bar, machine starts. Machine starts from slow speed and runs in preset speed when reaching the first terminal sign.
- 3-2-3 Stop : When the machine is running, you can turn operation bar in any direction to stop machine.
- 3-2-4 Machine executes protection mode automatically when machine stops over 3 seconds. You must turn twice backward of the operation bar to start.

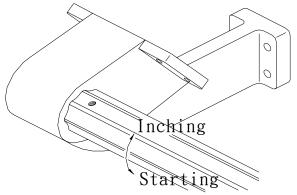


Fig.3-2 Starting operation bar

#### 3-3 Yarn feeder

The position of carrier is adjusted according to the desired knitting width, correctly make yarn feeder beside the end working needle by 10 mm. The yarn feeder must be in the central position between front and rear needles, also check its height refer to Fig.3-3-1. When work several yarn feeder in knitting, the position of carrier should be adjusted to make each yarn feeder not be overlapped, it avoids damage of the parts. The yarn carrier on rail must be adjusted in easy moving, adjustment refers to Fig.3-3-2.

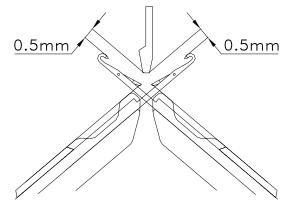
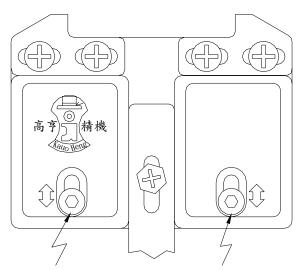


Fig.3-3-1 Position of yarn carrier



Loosen two screws to adjust up & down

Fig.3-3-2 Adjustment of carrier

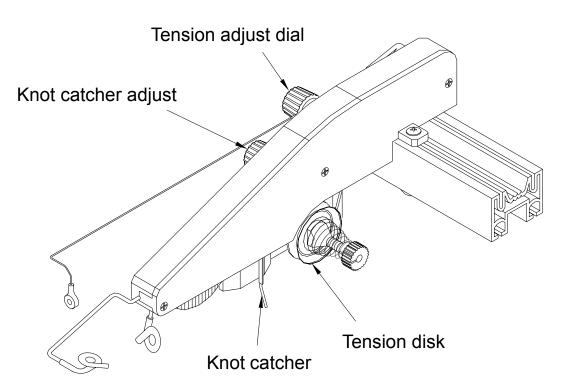
3-3-3 Yarn carrier for Lycra Tuck



Fig.3-3-3 Yarn carrier for Lycra Tuck

### 3-4 Top tension

Top tension springs should have the correct tension, the opening of the knot-catcher must be set according to the yarn count that is being knit-ted.





### 3.5 The latch brush

Latch brush is important to prohibit the needle latch to close in knitting, the correct brusk setting is illustrated in Fig.3-5-1.

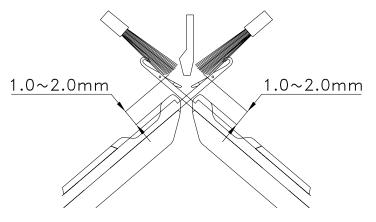


Fig.3-5-1 Correct position of brush

## 4. Clear filter

Filters are equipped in the controller and in the parts of main motor, it prohibits dust to come inside. Please take out the filter and dust it offen refer to Fig.4-1.

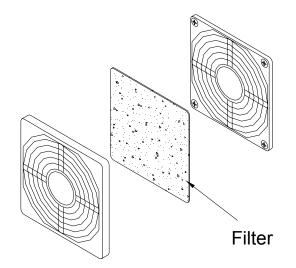


Fig.4-1 Cleaning filter

## 5. Needle bed

KH-323N the structure of front and rear needle bed is the same with regular needles high butt and low butt.

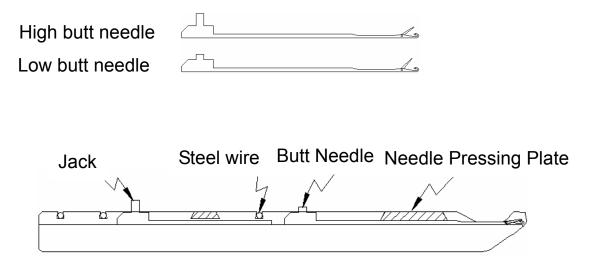


Fig.5.1 The structure of front & rear needle bed

These unused butt needles and jacks you just push them down to the unworked position. Of course you must pull out and back the steel wire A and B for procedure.

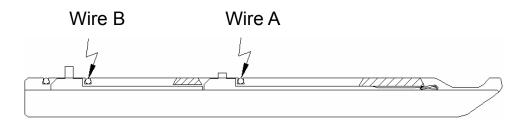


Fig.5-2 Unworked position

## 6. Cam plate distance

The distance between cam plate and needle bed is maximum 0.1  $\ensuremath{\mathtt{mm}}$  ,

Fig.6-1 shows how to check and adjust.Please check it by every 3 months, loosen the stepped screw and turn the bearing pin to adjust the distance, make sure to tighen the stepped screw after adjustment.

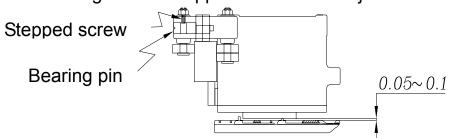


Fig.6-1 Adjust cam plate distance

## 7. Remove carriage

When it becomes necessary to remove the carriage, it can be remove from the left hand side or the right hand side. The procedures are as following :

- 1 Turn off the power firstly.
- (2)Remove the side cover.
- ③Disconnect the two plugs on back of carriage.
- ④Remove the fitting screw and cap bolt on connecting plates as shown in Fig.7-1.Then pay attention to remove the carriage.
- ⑤After replacing the carriage, it must be confirmed that the plugs, fitting screws and cap bolts are all completely connected, then start machine.

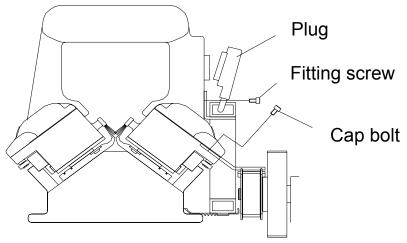


Fig.7-1 Remove the carriage

## 8. Fabric take-down system

In principle of the take-down tension strength must be small and average. The take-down system is controlled by torque motor. There are two important things to adjust the take-down tension strength. First method is the two speeds No.1 and No.2 as Fig.8-1 adjust each with turning knob and set the speed, the tension strength is larger and the speed is faster. You input the numeric in program to select the speed you want.

Second method is the roller. Each roller can be adjusted individually. The pressure of roller gets larger and the speed of fabric take-down gets faster.

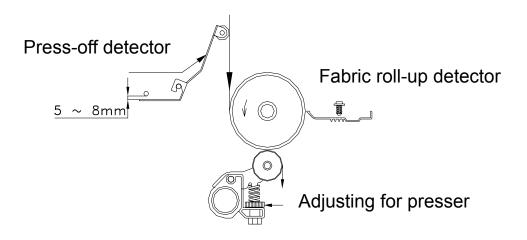
⊙ To detect fabric falling or wraparound, there is equipped with a press-off detector in the front of roller and a fabric roll-up detector in the back of roller. The machine will stop automatically when the fabric happens fall or wraparound.



Speed No.2

Speed No.1

Fig.8-1 Micro adjustment of torque motor





## 9. Racking mechanism

- (1) The rear bed can be racked five (5) pitches, the initial position"0". See the left selvedge of needle bed, the corresponding position that the first needle of rear is on the left hand side of the first needle of front. As shown in Fig.9-1.
- ②In editing instruction you can choose the left racking or the right racking by one pitch.
- ③In each racking position the rear bed and the front bed must be kept in correct corresponding relation. You check it with pushing one front needle to tuck position, the hook of front needle and the knock-bit of rear bed should be at the same position.

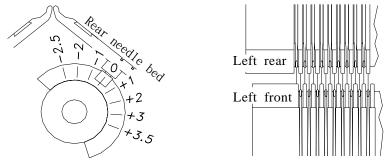


Fig.9-1 Intial position of needle bed

- ④If there has racking instruction in programming, you must enter the test mode to rack the needle bed in the set position before you execute tun, and make sure the racking mechanism is matched your programming.
- ⊙Needle position of transfer must be at the left -2.5 and at the right +3.5 of needle bed.
- ⑤ If the corresponding position of needle bed is not proper, loosen the stepped screws and adjust the rear bed to correct position, then tighten the stepped screws after adjustment. Refer to Fig.9-2.

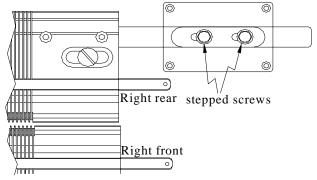


Fig.9-2 Adjusting the position of needle bed

## 10. Special system

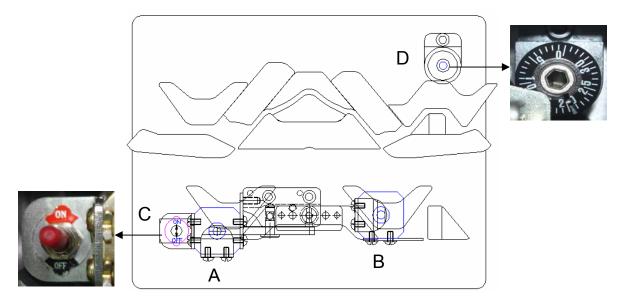


Fig.10-1 Overview of special system

- A: 313J solenoid
- B: Lycra Tuck solenoid
- C: Switch for A (313J solenoid) & B (Lycra Tuck)
- Make sure if unused solenoid will make cam raise with no action when turning ON & OFF switch.

Switch is "OFF" – Function of KH-313J

Switch is "ON" – Function of KH-313 (Cam: 0~5) + Lycra Tuck: 1 needle

Tuck, I needle Miss and set Take-down : 5 in program data

If Lycra All Tuck should be used, please push all jacks to worked position and change to high butt needle to knit.

D: Adjustment for sitich of Lycra Tuck

Degree of tightness for Lycra :  $\frown =$  Loose,  $\frown =$  Tight

### 11. Cam system

KH-313N the cam system of front & rear needle bed is the same.

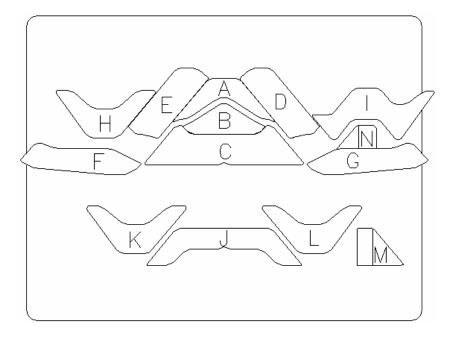


Fig.11-1 Front & rear cam system

- A Bridge cam
- B Needle clearing cam
- C Needle raising cam
- D Stitch cam
- E Stitch cam
- F Needle guide cam
- G Needle guide cam
- H Stitch guide cam
- I Stitch cam
- J Jack raising cam
- K Jack guide cam
- L Jack guide cam
- M Jack raising cam
- N Needle raising cam

## 12. Cam action

In graphs show the usual kinds of cam active situation. "ARROW" means the carriage knitting direction.

Cam of SLANT-LINE area is in half raising position, low butt needle MISS and high butt needle KNIT.

Cam of CROSS-LINE area is in raising position and all butt needles is in no action. Following figures are with drawing descripition according to action.

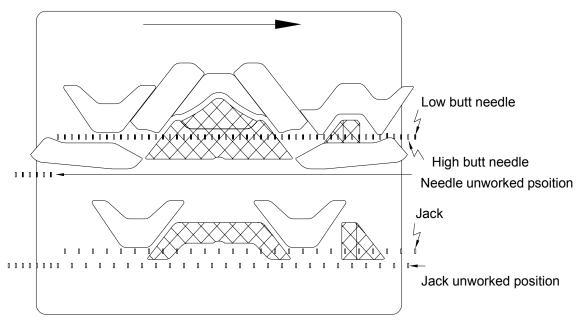


Fig.12-1 Command 0 : <u>All butt needle MISS</u>

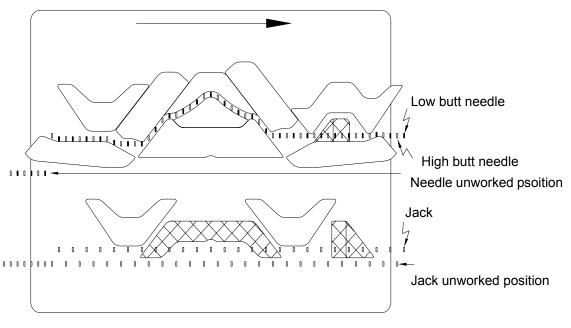


Fig.12-2 Command 1 : <u>All butt needle KNIT</u>

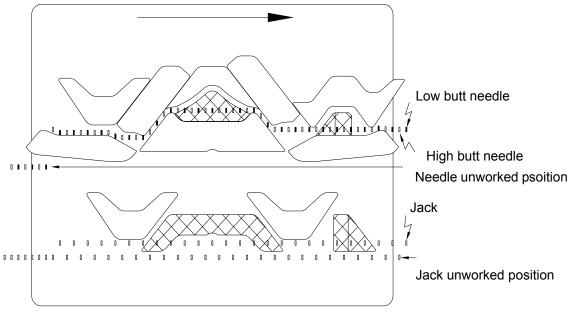


Fig.12-3 Command 2 : <u>All butt needle TUCK</u>

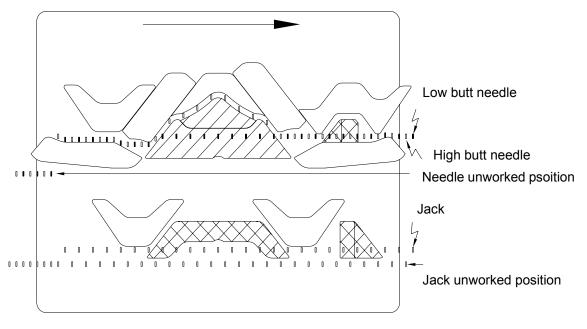
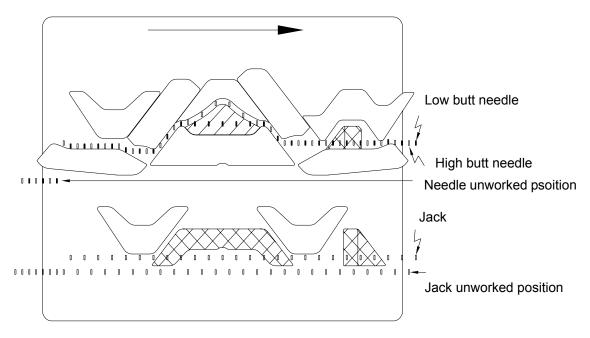
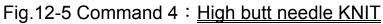


Fig.12-4 Command 3 : <u>High butt needle KNIT</u>





Low butt needle TUCK

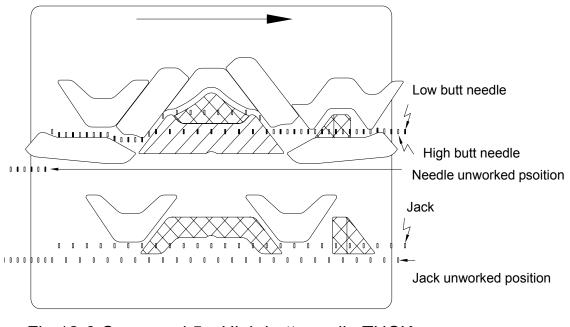


Fig.12-6 Command 5 : <u>High butt needle TUCK</u>

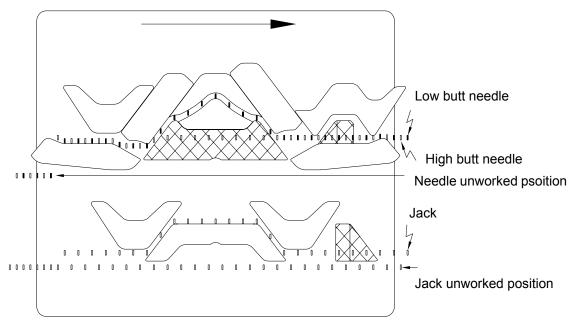


Fig.12-7 Command 6 : <u>Jack KNIT</u>

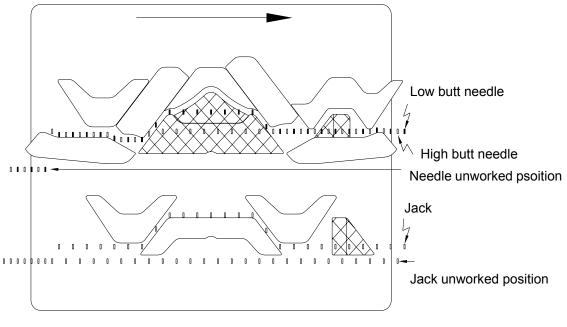


Fig.12-8 Command 7 : <u>Jack TUCK</u>

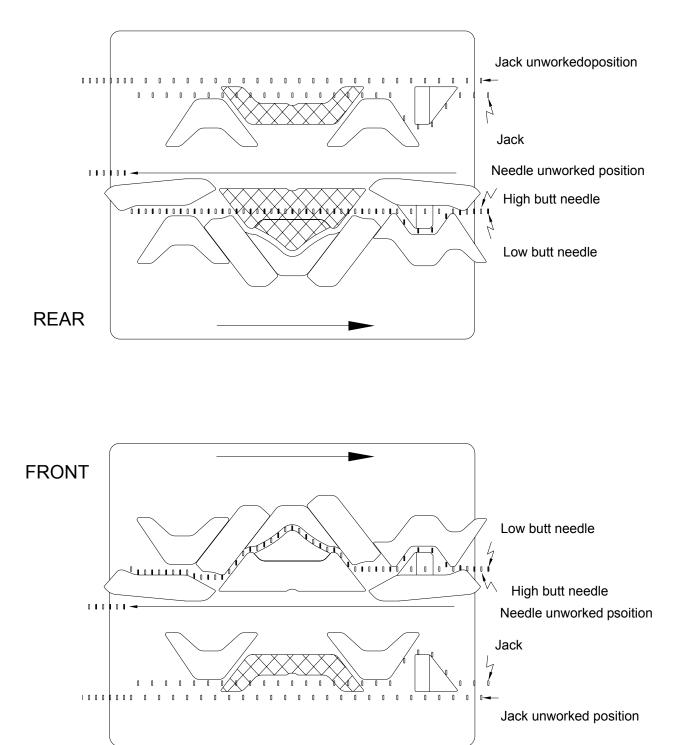


Fig.12-9 Command : 1 + Take-down : 5 KNIT + Lycra Jack TUCK

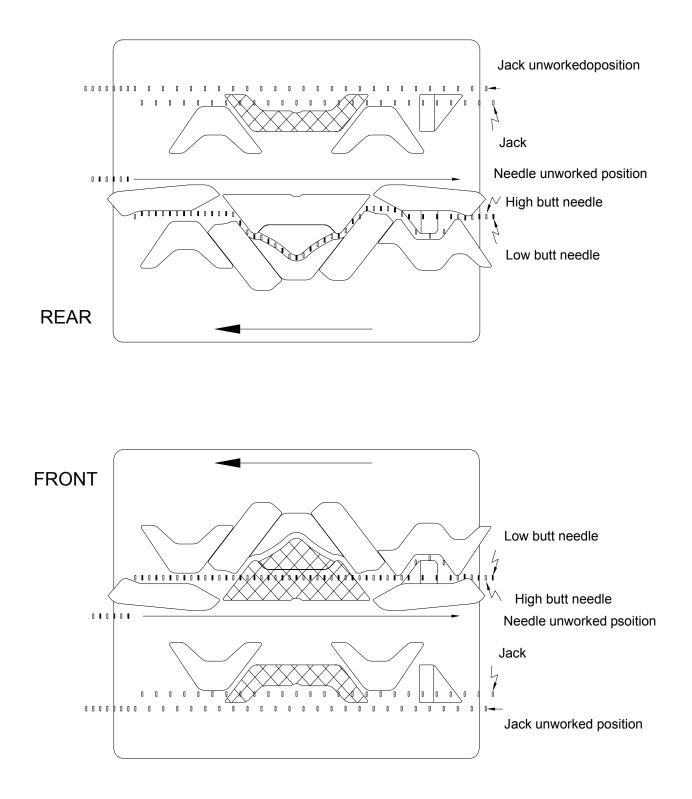


Fig.12-10 Command : 1 + Take-down : 5 KNIT + Lycra High butt needle TUCK

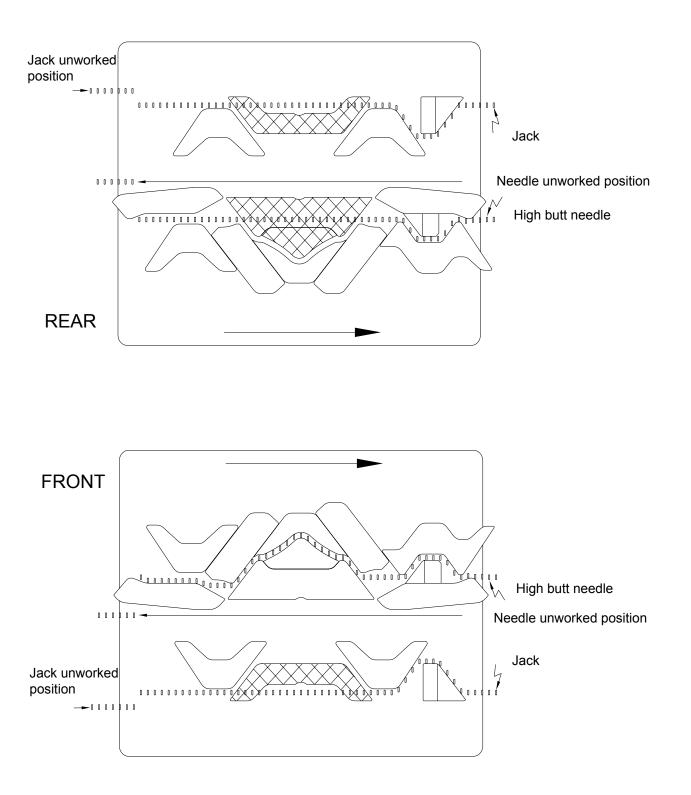


Fig.12-11 Command : 1 + Take-down : 5 KNIT + Lycra All butt needle TUCK

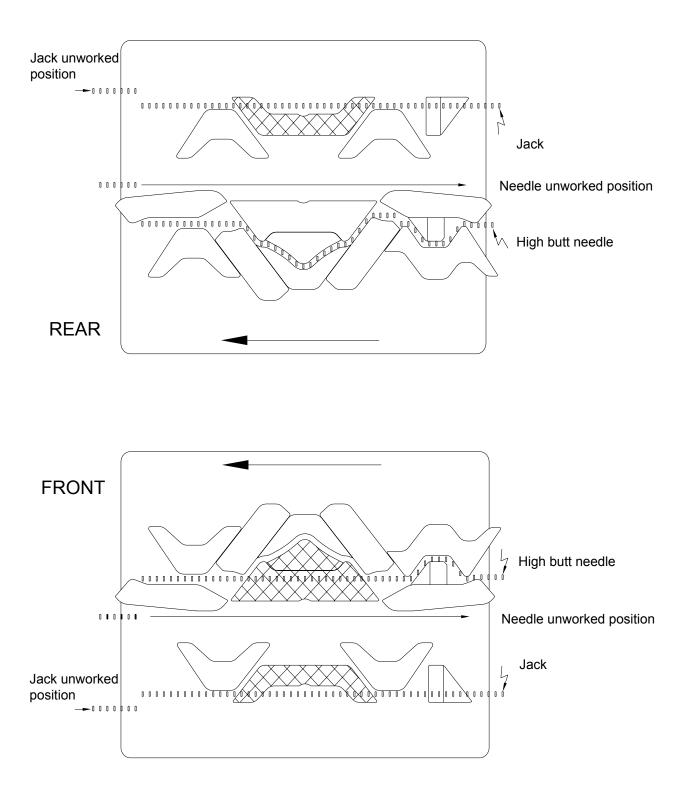
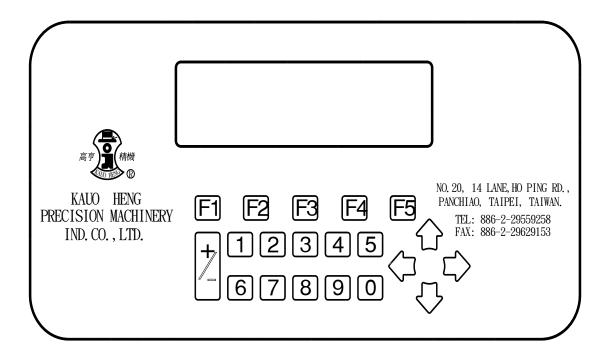


Fig.12-12 Command : 1 + Take-down : 5 KNIT + Lycra All butt needle TUCK

# **INSTRUCTION MANUAL**



## **OSTART**

WELCOME TO KAUOHENG SYSTEM

### Fig.0-1

When turning on the machine, it will appear this screen and display main menu after you press any key.

When you switch on the machine, then it displays 【MEMORY ERROR】 or [FILE ERROR], you must switch off the machine and contact our agent or our service department.

There are five selections in main menu as Fig.0-2 illustrates and numeric corresponds to selection. Please directly press numeric key on keyboard then enter it.



Fig.0-2

## 1. EDIT

Press **1** in main menu, then display edit menu. There are five selections in edit menu as Fig.1-1 illustrates.

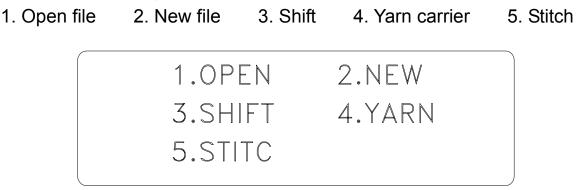


Fig.1-1

## 1-1 OPEN : Open file

Press 1 in edit menu, and then the screen displays as Fig.1-2.



Fig.1-2

Remark : In screen there are five small squares, each one corresponds to  $F1 \sim F5$  on keyboard, blank means out of function. For example, in Fig.1-2, F1 is SURE,  $F2 \sim F4$  are blank in no function, F5 is EXIT. In other screen menu the operation will be the same.

In Fig.1-2, input the file name with numeric, and press **F1** : SURE; then enter program to edit.

When opening the file, input file name which is not existent. And the screen will appear Fig.1-3 warning screen, and then press **F1** to enter file or press **F5** to exit.

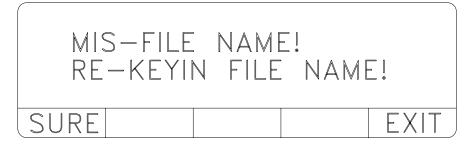


Fig.1-3

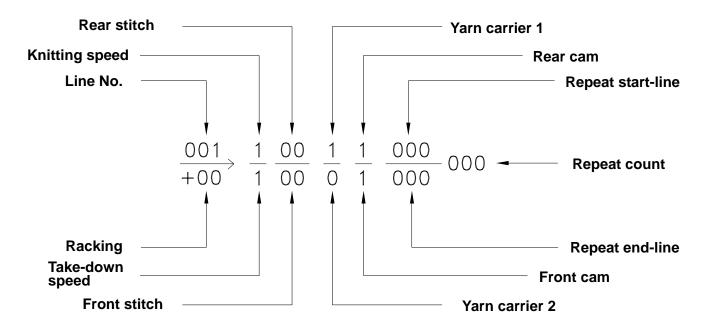
Edit screen appears two lines of instructions, cursor stops on the racking position, directly use numeric key and left, RIGHT key to edit instruction, or press UP, DOWN key change to other line. +/- key is for change of rack to left or right.

$\begin{array}{c c} 001 \\ +00 \\ 1 \end{array}$	$\frac{35}{35}\frac{1}{0}\frac{1}{1}$	$\frac{000}{000}00$	)0	
$     \frac{002}{+00} \frac{1}{0} $	$\frac{35}{35}\frac{1}{0}\frac{1}{1}$	$\frac{000}{000}00$	)0	
FILE	LINE	JUMP	DEL	EXIT

Fig.1-4 EDIT SCREEN

K Edit instruction, and please refer the instruction explanation.

## **INSTRUCTION EXPLANATION**



Yarn	0. None yarn carrier		
carrier	1. 1~6		
	0. Miss	4.High Butt Needle Knit	
	1. All Knit	Low Butt Needle Tuck	
Cam	2. All Tuck	5.High Butt Needle Tuck	
	3. High Butt Needle Knit	6.Jack Knit	
		7.Jack Tuck	
Knitting	0. Same as previous line	Line No. 1 is not allowed "O"	
speed	1. 1 (Slow) ~7 (Fast)	Line No.1 is not allowed "0"	
Take-down	0. Same as previous line	Take-down∶5 → Lycra Tuck	
speed	1. No.1 speed	Line No.1 is not allowed "0"	
	2. No.2 speed	Line No: I is not allowed 0	
	10 Dook right 1 pitch	Face to the front of machine,	
Racking	+10 Rack right 1 pitch	you see the direction of	
	-10 Rack left 1 pitch	movement of the rear bed.	
Stitch	Sotting from 0, 00 (110)	00 is zero (Tightest)	
Stitch	Setting from $0 \sim 99 (14G)$	Larger numeric gets longer loop.	

### EDIT SCREEN :

$\frac{001}{+00}$ $\frac{1}{1}$	$\frac{35}{35}\frac{1}{0}\frac{1}{1}$	$-\frac{000}{000}00$	0	
002 1	$\frac{35}{35}\frac{1}{0}\frac{1}{1}$	000	0	
+00 (	) 35 0 1	000 00	0	
FILE	LINE	JUMP	DEL	EXIT

**F1** FILE : Insert a file.

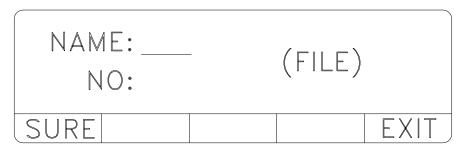


Fig.1-5 INSERT FILE

- **F2** LINE : After current editing line inset a " blank line ", and the following lines are backward.
- **F3** JUMP : This function is allowed jump to any line. If the input line No. is over total line, it will jump to the last line.



Fig.1-6 JUMP

**F4** DEL : Delete indicated lines.

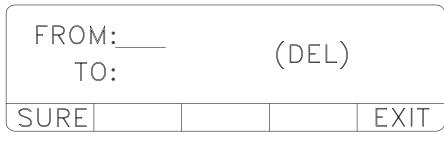


Fig.1-7 DEL

F5 EXIT : Press EXIT then the system will ask you to save this file, if it is not a new file, directly press 
 F1 SURE to use the same file name to save. The screen displays as Fig.1-9 then press 
 F1 If you don't want to save, press 
 F5 twice to exit.

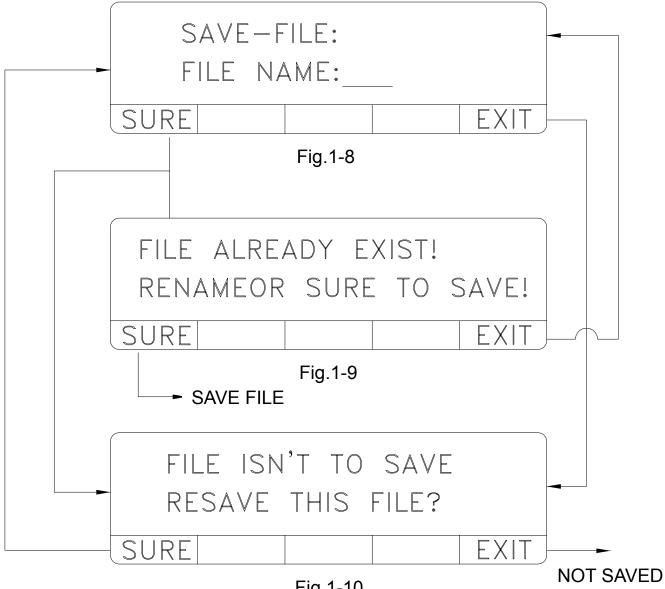
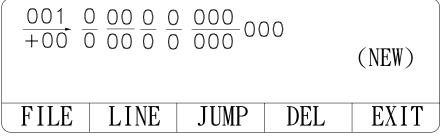


Fig.1-10

### 1-2 NEW : New file

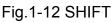
After you edit the first line, press **F2** to insert blank line and go on editing.





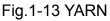
**1-3 SHIFT**: This function will copy left system to right system, or right system to left system, it contents of copy including cam, stitch, yarn carrier.



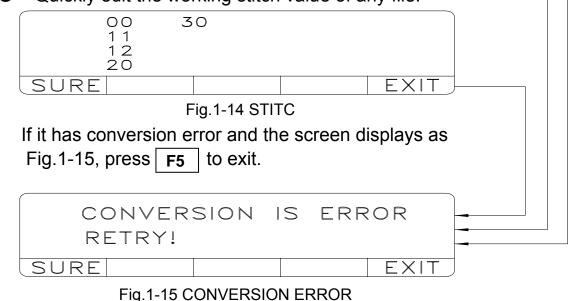


**1-4 YARN**: Quickly edit the working yarn carriers of any file.

LEFT:020400 RIGHT:103000 DIRECTLY EXCHANGE WITH CURSOR		NGE	-ЕХСНА	YARN
DIRECTLY EXCHANGE WITH CURSOR	HT:103000	RI	020400	LEFT:
	WITH CURSOR	HANGE	ILY EXC	DIREC
SURE EXIT	 EXIT			SURE



**1-5 STITC**: Quickly edit the working stitch value of any file.



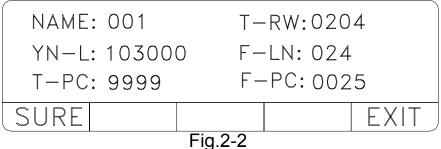
## 2. RUN

1.EDIT	2.RUN
3.FILE	4.FUNC
5.TEST	



Press 2

- ⊙ Enter RUN mode, if the stepping motor is not at home position, it displays warning 【STEP ERROR】. You should go to the TEST mode, in STITCH function, you can test the stepping motor then come back to RUN mode.
   Enter RUN mode if the service set stepping at the left limit negitive.
- ⊙ Enter Run mode, if the carriage does not stop at the left limit position, it displays warning 【PLS MOVE CAM TO LEFT】. You have to move the carriage to the left limit position and start.



 $\begin{array}{l} \mbox{Enter Fig.2-2, set the knitting file name, and then set T-PC} \quad (\mbox{ total pieces}) \ , \\ \mbox{F-PC} \ (\mbox{ finished pieces}) \ , \mbox{ after setting press} \ \hline \mbox{F1} \ \ \mbox{to enter Fig.2-3.} \end{array}$ 

$\left(\begin{array}{c} 001\\ +00 \end{array}, \begin{array}{c} 1\\ 1\end{array}\right)$	$\frac{35}{35}\frac{1}{0}\frac{1}{1}$	$\frac{000}{000}00$	0	
002 1	$\frac{35}{35}\frac{1}{0}\frac{1}{1}$	000 00	0	
+00 0	35 0 1	000 00	0	
SURE	EDIT	1 PC	HOME	EXIT

Fig.2-3

**F1** RUN. **F2** EDIT : Edit stitch value and knitting speed. See Fig.2-8 and Fig.2-9 and Fig.2-10.

**F3** 1 PC : Knit 1 piece and stop machine.

F4HOME : Give up the fabric on knitting. The method you turn theoperation bar to stop machine, and pressF4to make cam and stitch tohome position, and then start the operation bar to make the carriage return toleft beginning position.

F5 EXIT :

## ERROR MESSAGE

After you finish inputting the instruction for the program that occurs incorrect action or wrong instruction to the function of machine, it will automatically appear ERROR message on RUN mode.

Please correct the error of edited program according to the error message of LCD display.

Message	Explanation				
Line not even	To edit a program, the total lines of program must be an even number. Otherwise the carriage does not return to the left side to proceed the next knitting piece.				
Carrying feeder	It is an error that the carriage carries a yarn feeder when yot set carriage in an empty action without yarn feeder.				
None feeder (L)	When you set the action of knit, the carriage has to				
None feeder (R)	carry a yarn feeder.				
Rack error	Before ending the program, the needle bed must be racked back to the home position. In case the program racks one level to the right, it needs rack one level to the left back to the home position before ending.				
Feeder 1 error					
Feeder 2 error	Defers anding the program, the yern feeder must return				
Feeder 3 error	Before ending the program, the yarn feeder must return to home position, Otherwise it is impossible to proceed				
Feeder 4 error	the next knitting piece.				
Feeder 5 error					
Feeder 6 error					
Repeat error	Repeat must be set in even lines of amount, for example the start line is an odd and the end line must be an even, or from an even to an odd. (From odd line to odd line or from even line to even line are unacceptable.)				
Rack over speed	In racking, the maximum of knitting speed is No.4.				
Start-ndl error	The number of start-needle must be smaller than the number of end-needle.				
End-ndl error	The number of end-needle must be larger than the number of start-needle, or smaller than the number of total-needle.				

### Error message table

Tab.2-1 Error message table

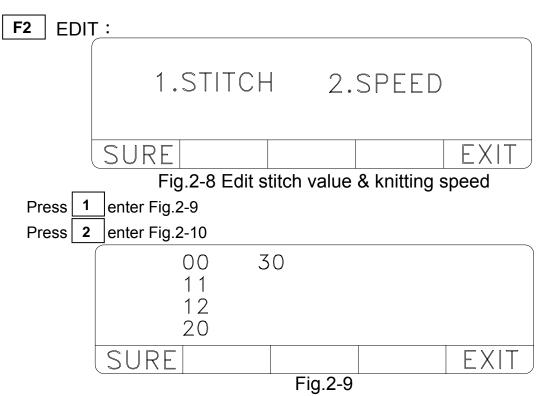
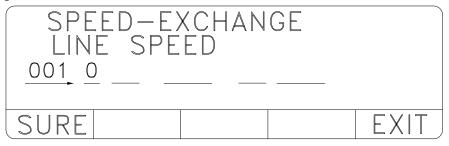
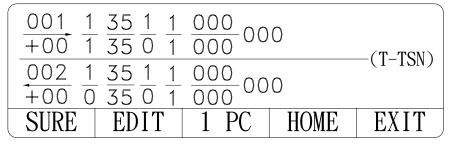


Fig.2-9 displays all the used stitch value of file. Directly move the cursor to the area of being changed, and press the numeric key to correct it. For example, in Fig.2-9 the 12 is replaced by 15, then all the stitch value 12 is/are changed with 15 in this file.



#### Fig.2-10

Fig.2-10 displays the exchange of knitting speed. Directly press the numeric key to change it, or press UP/DOWN key to the changed line and correct it.
Machine stop: If the fault singal (auto-stop equipment) is operated, it will display the fault singal as Fig.2-11, and corrective action refer to Table 2-2.





SIGNAL	FAULT	CORRECTIVE ACTION	REMARK
T-TSN	Yarn break Tension loose Yarn knot	n loose	
S-TSN	Yarn break Tension loose	After corrective action, turn	
DETR	Needle break Fabric rise	the operation bar to clear, and restart the operation bar and go on knitting.	
TK-DN	Fabric fall Fabric roll-up	bar and go on kintling.	
STOP	Safty cover is not closed.		Pls contact our agent or service dept., if you still can't
OVER	Motor rotates without signal of detector. Overload of inverter.	Switch off power and switch on after 5 sec. Switch off power to check power in correct then switch on.	
LEFT/ RIGHT	Carriage is stroke error.	Push the carriage out of limit sensor.	correct the
STEP Stepping motor error		Press F4 HOME to return carriage to left limit position. Exit RUN mode and go to TEST mode to test stitch value and go back RUN.	fault.
RACK	Racking error	Press F4 HOME to return carriage to left limit position. Exit RUN mode and go to TEST mode to test racking and go back RUN.	

Table 2-2 Machine stop

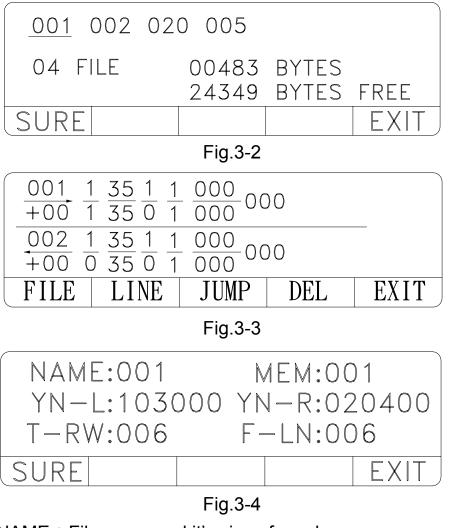
## 3. FILE

1.DISP	3.DEL
3.COPY	4.TRANS
5.REVD	6.CLEAR

Fig.3-1

## 3-1 DISP : Display

Fig. 3-2 move cursor to select the displayed file name, and press **F1** SURE, Fig. 3-3 will execute program once simultaneously, and display screen Fig.3-4. Please press **F1** or **F5** to come back to Fig.3-2 after confirmation.



NAME : File name and it's size of used memory

Yarn carrier of left & right carriage

T-RW : Total executive lines, F-LN : Total file lines

**3-2 DEL** : Delete the input file name, and press **F1** for sure. :



#### Fig.3-5

**3-3 COPY** : Input source and target file names and press **F1** for sure.



Fig.3-6

**3-4 TRANS** : Transmits file to another machine, firstly confirm if the plug has been connected with connection cable on back of controller.

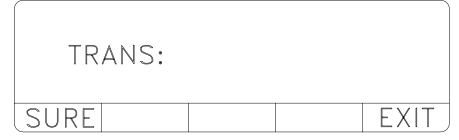


Fig.3-7



Fig.3-8

Plug for transmitted file on the back of controller

**3-5 REVD** : Receive the transmitting file from another machine, firstly confirm if the plug has been connected with connection cable on the back of controller, and press **F1** for sure then start to receive.





### 3-6 CLEAR : Clear all files





Enter code No: 555



Fig.3-10

## 4. FUNCTION

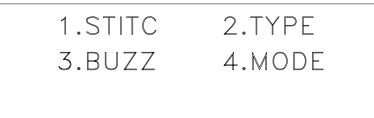


Fig.4-1 **4.1 STITC**: Stitch parameters, directly adjust with numeric.

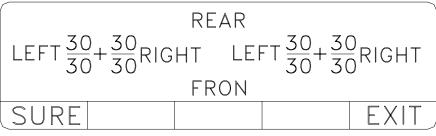


Fig.4-2

**4.2 TYPE** : Setting gauge and total needles, initial setting by manufacturer.





**4.3 BUZZ** : Setting buzzer function in action or not.



Fig.4-4

**4.4 MODE** : Setting display mode **F**<sub>2</sub> in English and **F**<sub>4</sub> in Chinese.



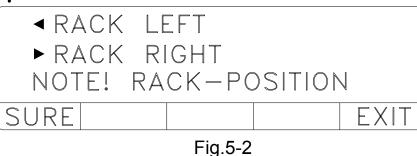


## 5. TEST

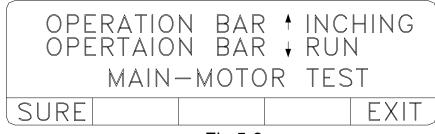
1.RACK	2.MOTOR
3.SENSO	4.CAM
5.TK-DN	6.STITC

### Fig.5-1

### 5.1 RACK :



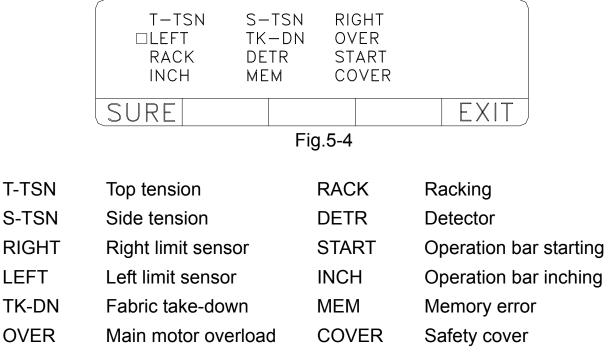
### 5.2 MOTOR :



### Fig.5-3

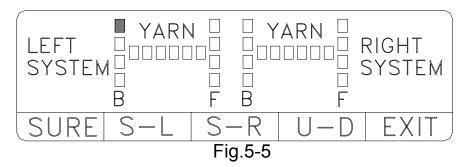
### 5.3 SENSO : Sensor

Test when they are switched on. Sensor with a small square appears in the front.



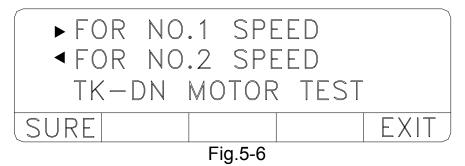
**5.4 CAM** : Move cursor to make the cam or the yarn feeder solenoid in

action.



**5.5 TK-DN** : Setting the speed of fabric take-down, press ► < key then

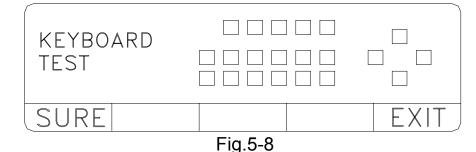
turn the operation bar.



### 5.6 STITC : Stitch

Press F1 ~ F4 to test. STEP-MOTOR TEST L-BS L-FS R-BS R-FS EXITFig.5-7

5.7 KEYBOARD : Test if it works or not then press **F5** to exit.



		,					KH-313N
言言		清機		「亨精機	業工業	有限公司	FILE NAME
×		®					PAGE
Line No.	Kint ting Speed	Rear Stitch	Yarn C	Rear Cam	Repeat Start-Line		Descripion
Rack	Take down Speed	Front Stitch	Carrier	Front Cam	Repeat End-Line	Count	
							Line No.001 is not allowed "0" for knitting speed and take-down speed Rack:
							+10 Right 1 pitch -10 Left 1 pitch Knitting Speed: 0.Same as previous line
							1(Slow)~7(Fast)Take-down Speed:0.Same as previous line1. No.1 speed
							2. No.2 speed 3. No.5 Tuck cam for Lycra Yarn carrier:
							0. None yarn carrier 1. No.1 yarn carrier 2. No.2 yarn carrier
							3. No.3 yarn carrier 4. No.4 yarn carrier 5. No.5 yarn carrier 6. No.6 yarn carrier
							Cam: 0.Miss
							1.Knit 2.Tuck 3.High butt knit 4.High butt knit,
							low butt tuck 5.High butt tuck 6.Jack knit 7.Jack tuck
							 Stitch: 00~99
FILE NAME DATE			TOTA ECUTIVE RODUC'	LINE	n./pc		
Carriage	e must	be on 1	left si	de for startin	g		