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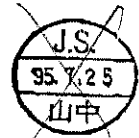
Attn. MR. Diego.

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JUKI®

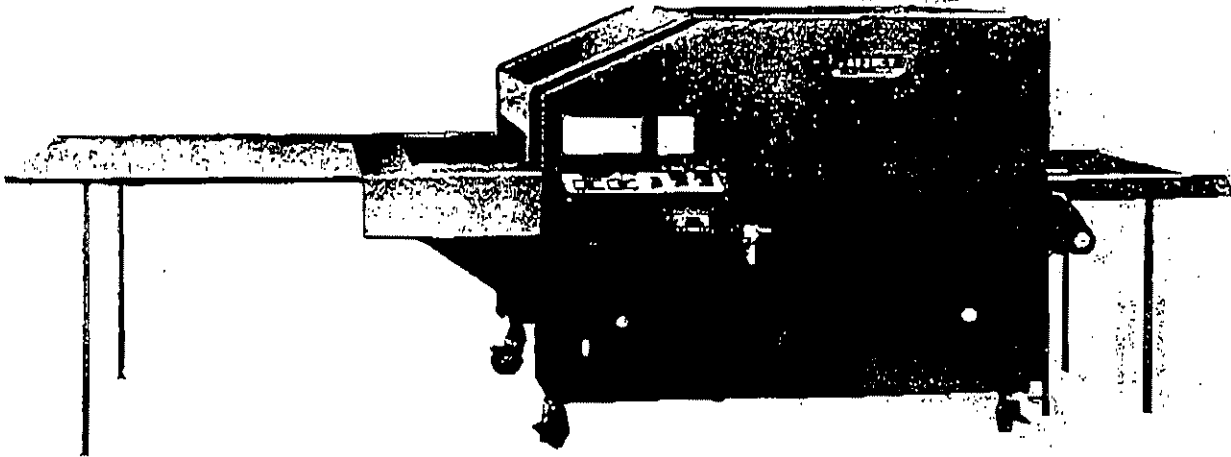
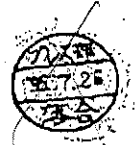
JSF-900 SERIES
Continuous Fusing Machine

**Instruction Book
& Parts List**



~~J.S. 山中~~

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(P1~P8.) 以上よりレシ印版へ致し。



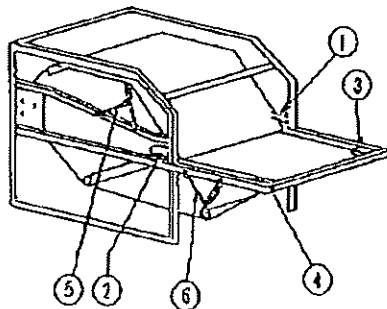
TOKYO JUKI INDUSTRIAL CO., LTD

JUKI SINGAPORE PTE LTD
TECHNICAL SECTION

- (2) Stop
Press stop switch (5) to stop the machine in an emergency. Stop lamp (5) will light up.
- (3) Idling
 (1) When the power switch is turned OFF at the completion of operations without pressing emergency stop switch (5), idling lamp (4) lights up. Only the heater goes off; the belt continues to run for a predetermined time (30 minutes) after which it stops automatically.
 (2) During idling it is important that pressure switch (6) be OFF.
- (4) Emergency
 (1) When the belt meanders abnormally, if the control pressure has dropped to 5 kg/cm² or below then the emergency lamp comes on and the belt stops.

How to adjust the belt when it meanders abnormally

- When the belt meanders abnormally the emergency lamp on the control panel (control panel Figure 2) lights up and the belt stops. In such a case it should be adjusted according to the following procedure.
- (1) Check to see whether it is the upper or lower belt that has been meandering abnormally. If it is the upper belt, adjust meandering control adjustment bolt (5); if it is the lower belt, adjust meandering control adjustment bolt (6). First, if the meandering is taking place on the left side (the adjustment bolt side) turn the adjustment bolt so that it becomes longer; conversely, if the meandering is taking place on the right side turn the adjustment bolt so that it becomes shorter.
- (2) Next, press the control limit switch lever (1) to (1) for the location where the meandering is occurring toward the belt. This will cause the belt to start running; keep pressing until the belt returns to the correct position (until it is centered on the roller) (For example, in the case of the upper belt meandering to the right, press lever (1)).
- (3) When the belt has started to run normally, look at how the belt runs on the roller and check to make sure that the meander control is being applied equally on both the right and left sides. If it is too far to one side, perform a fine adjustment by turning the adjustment bolt again.



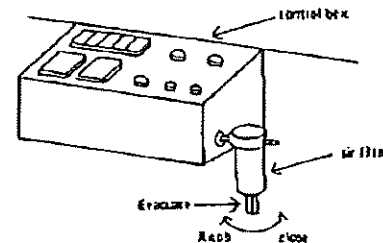
- (1) limit switch lever for control of the upper belt on the right side of the machine
 (2) limit switch lever for control of the upper belt on the left side of the machine
 (3) limit switch lever for control of the lower belt on the right side of the machine
 (4) limit switch lever for control of the lower belt on the left side of the machine
 (5) upper belt side meander control adjustment bolt
 (6) lower belt side meander control adjustment bolt

Precautions in Use

- (1) Adhesion test
 (1) Before starting operations always perform an adhesion test to make sure that nothing is loose.
 (2) If the temperature is too high, the cloth can be damaged and the belt can become dirtier than normal, shortening the life of the belt, so be careful that these conditions do not occur.
 (3) If the temperature is too low, adhesion will be poor.
- (2) Heating time setting
 (1) Avoid use inside of the red lines. It can cause a breakdown.

Everyday inspection and maintenance

- (1) Air filter
 The air filter removes dirt and water from the air that is supplied. Since water accumulates in the cup it must be emptied regularly. This can be done by turning the bottom knob.

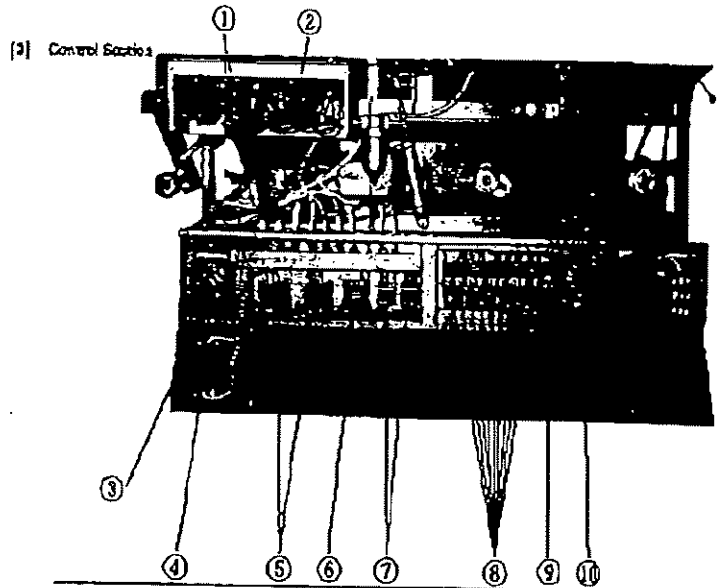


- (2) Cleaning the belt and keeping it clean
 (1) If the belt becomes dirty with adhesive, wipe it thoroughly with a soft cloth. If it is very dirty, clean it with alcohol spray or silicon liquid. (Be careful that silicon liquid does not get in underneath the belt; it can cause the belt to slip.)
 (2) To prevent the belts from getting dirty spray the entire surfaces of both the upper and lower belts 3 times every day.
- (3) Scraping plate
 If the efficiency of scraping becomes poor during up in the scraping plate and remove the adhesive and scraps of cloth reaching to the nylon edge using a soft cloth. If the nylon edge has been scratched, sand it down with fine sandpaper until it fits the belt exactly.
- (4) Belt cleaner
 Inspect the belt cleaner every day. If part of it gets very dirty, cut the cloth off of that part. Polyester cloth is the best material to use for cleaner cloth.

Specifications

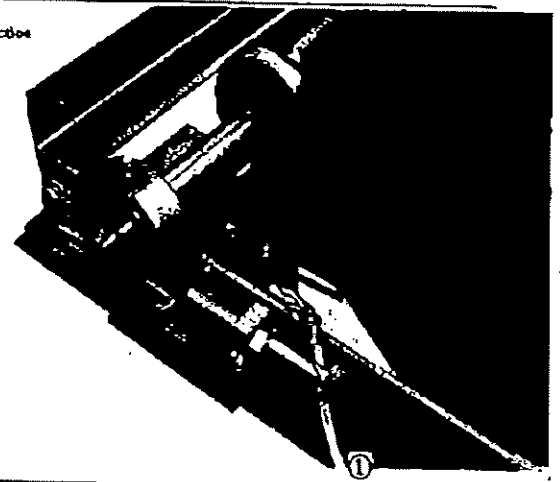
Item	Specifications
adhesion width	900 mm
adhesion length	no limit
pressurization method	air driven silicon rubber roller pressurization
pressure	0.5 kg/cm ² - 4 kg/cm ²
heating method	heater 10.8 kW
heating time	50 Hz: 5 ~ 28 sec 60 Hz: 4 ~ 24 sec
heating temperature	steady-state temperature 200°C
belt speed	50 Hz max. 10 m/min 60 Hz max. 11.7 m/min
belt control method	air method, meander control method
motor	variable speed motor ICOM 200Y
dimensions when installed	width, 1655 x length, 3155 x height, 1230
weight	325 kg
power supply	3-phase 11 kW

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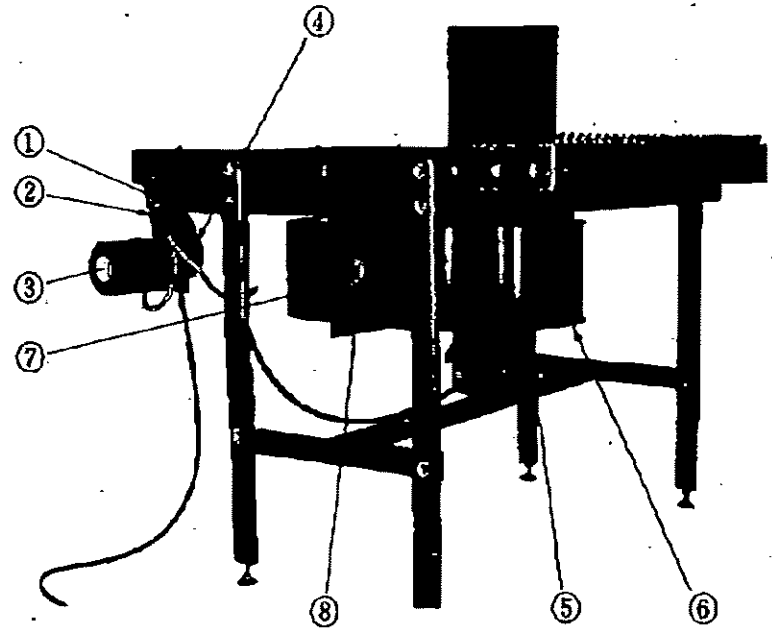
Part number	Part name	Quantity
① PVA01570000	Electromagnetic valve	1 set
② P68209A000	Pressure switch	1
③ P600108A000	Fuse	2
④ P650109B000	Circuit breaker for wiring	1
⑤ P6812720000	Electromagnetic contactor	2
⑥ P65109A000	Transformer	1
⑦ P6801091000	Electromagnetic contactor	2
⑧ P610109H000	Relay	9
⑨ P555100A000	Solid state timer	1
⑩ P6812093000	Control panel (for motor)	1

[4] Mounting detail on section



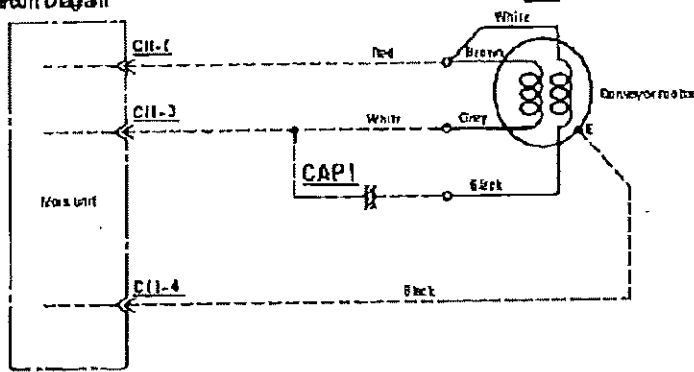
Part number	Part name	Quantity
① P580109B000	Limit switch	8

Belt Conveyor Part of JSF-900V with Vacuum No. 1



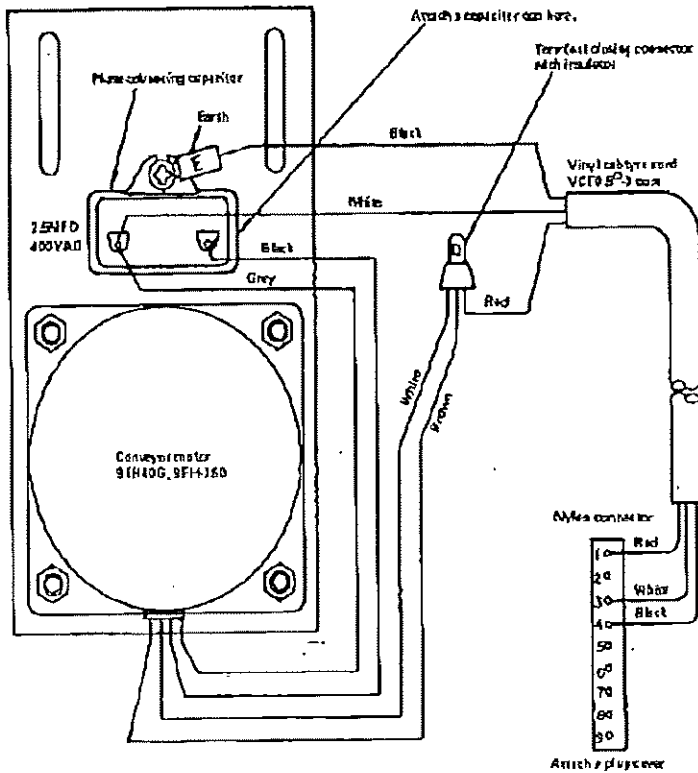
No.	Part number	Part name	Qty
①	P635290A000	phase advance capacitor	1
②	P6401093000	capacitor cap	1
③	P680199A000	small gear motor	1
④	P220390A000	V belt (A)	1
⑤	JB07-041-1	sirocco fan	1
⑥	P2628E00H00	packing (G)	1
⑦	P2627E00K00	packing (H)	2
⑧	P2628E00K00	packing (J)	2

Control Circuit Diagram

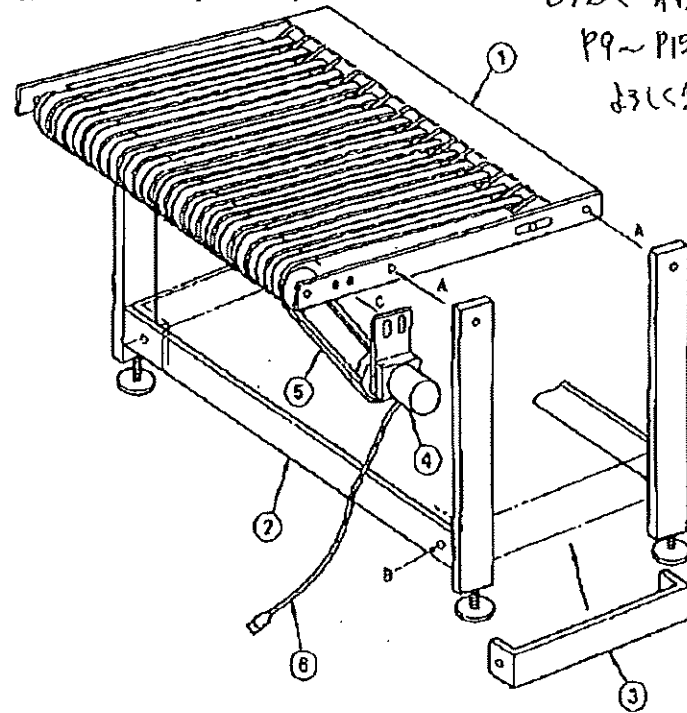


Symbol	Description	Maker	Type number
M	Conveyor motor	Nishizhita	9FH-40B, 9FH-30B (AC200V)
CAP1	Phase-advancing capacitor	Nishizhita	2.5MFD (400VAC)
C11	Nylon connector (9-pole)	Nolex	1292P-1 (Male) 1292R (Female)

Machine Wiring Diagram



JSF-900-1
JSF-900-2 Rear Conveyor Assembly Illustration

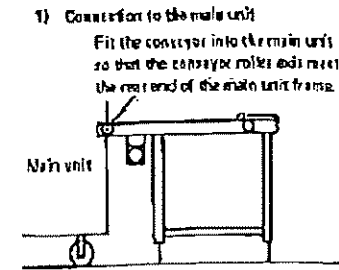


SS 小中段
印色 村袋の取付け
P9~P15 FAX 取付け
3.3L 3.3P 取付け



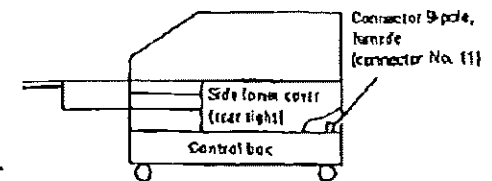
①	Conveyor unit
②	Leg
③	Stay
④	Motor
⑤	V belt
⑥	Power cord (9-pole, male)
A	M6 x 35 Hexagonal headed bolt, M6 nut, Spring washer, Flat washer
B	M6 x 20 Hexagonal headed bolt, M6 nut, Spring washer, Flat washer
C	M8 x 15 Hexagonal headed bolt, M8 nut, Spring washer, Flat washer

Connecting the rear conveyor to the main unit

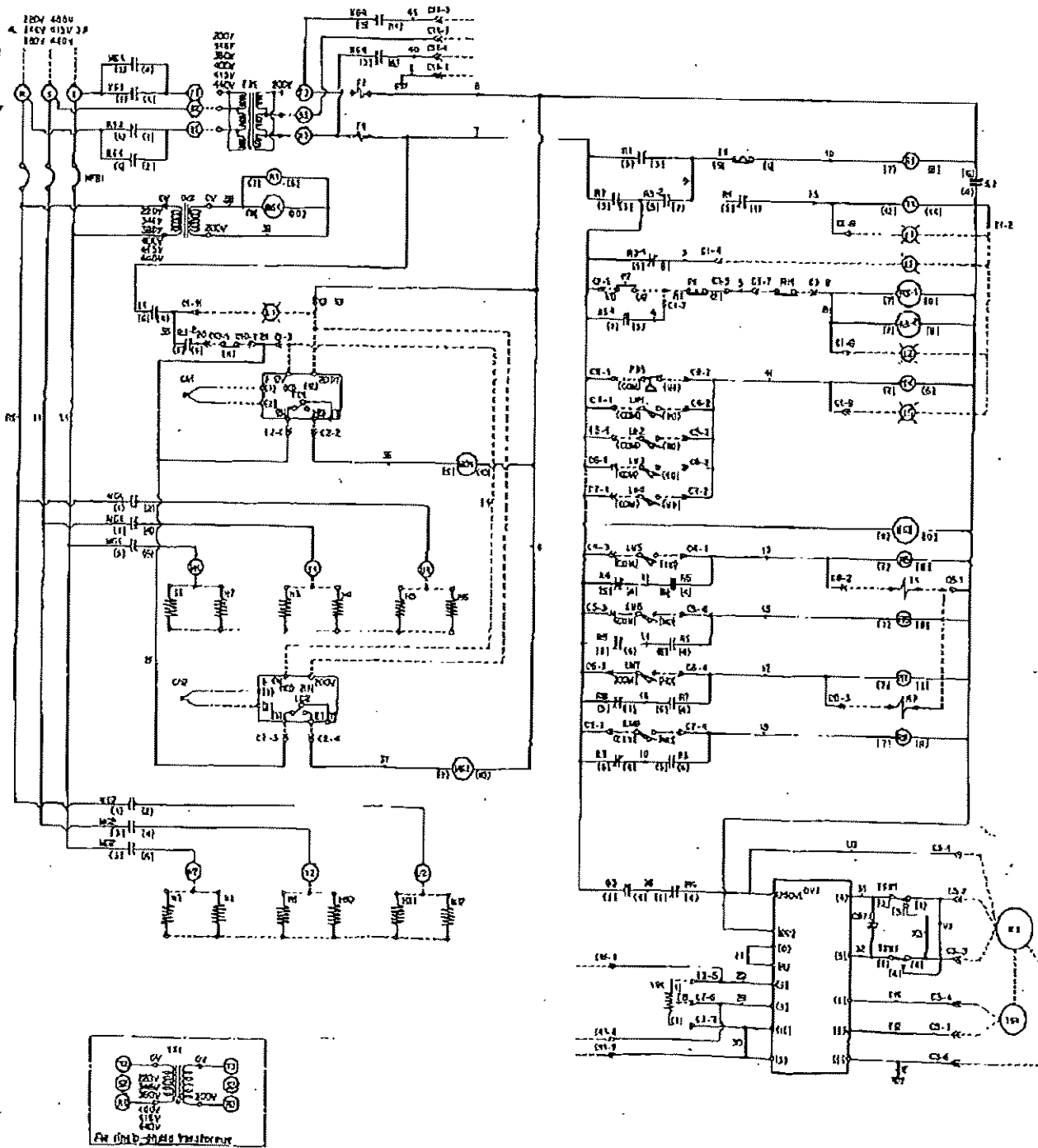


2) Power connection

Connect power cord ⑥ to connector No. 11 located on the top of the control box (inside the side lower cover at rear right).



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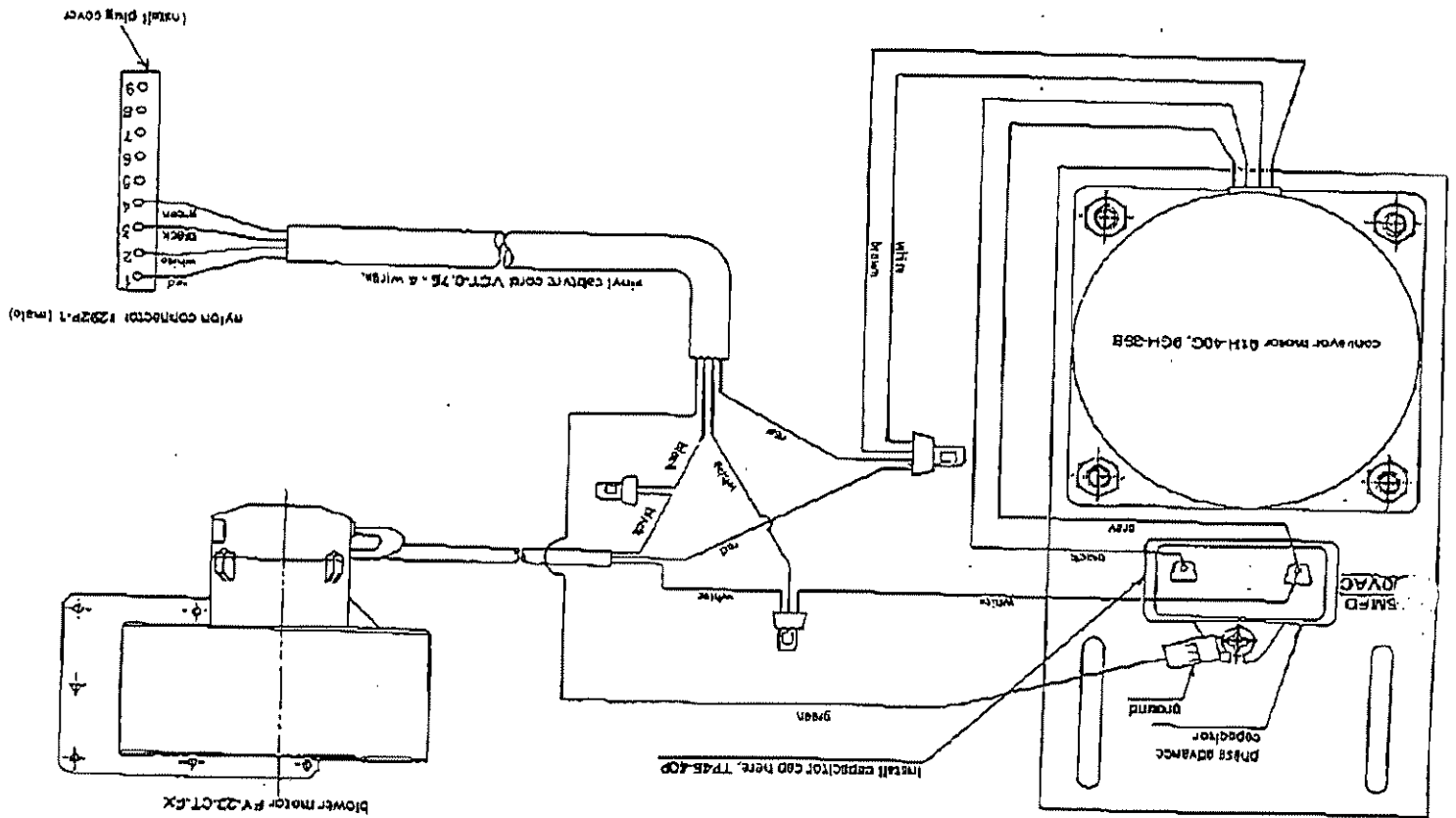


Part No	Design Cont	Company name	Model No
J8F01	Control panel for testing	Kongs	KB302 SDA
F1-F4	Fuse	Sera	F-101 2A (AC200V)
L1	Power lamp	Mitsumi	P-10-200V (AC100V)
P1-L2	Stop switch of lamp	Mitsumi	PS-200V (AC100V)
P2-L3	Starting switch of lamp	Mitsumi	PS-200V (AC100V)
L4	Warning lamp	Mitsumi	P-10-200V (AC100V)
L5	Emergency indicator lamp	Mitsumi	P-10-200V (AC100V)
SH1	Water detector switch	Edwards	
THP	Overheat protection temperature control switch	Edwards	
PS1	Pressure pressure switch	Sidense	PS-0702
LM1	Bottom side boundary limit switch (upper left)	Oregon	Z-154VA-B
LM2	Bottom side boundary limit switch (lower left)	Oregon	Z-154VA-B
LM3	Bottom side boundary limit switch (lower right)	Oregon	Z-154VA-B
LM4	Bottom side boundary limit switch (upper right)	Oregon	Z-154VA-B
LM5	Bottom side control limit switch (upper left)	Oregon	Z-154VA-B
LM6	Bottom side control limit switch (upper right)	Oregon	Z-154VA-B
LM7	Bottom side control limit switch (lower left)	Oregon	Z-154VA-B
LM8	Bottom side control limit switch (lower right)	Oregon	Z-154VA-B
R1	Upper limit master control relay	Sidense	YV-1030-05-07 (AC200V)
R2	Lower limit master control relay	Sidense	YV-1030-05-02 (AC200V)
RE-PS	Emergency stop switch	Oregon	LY-2 (AC200V)
I	Warning chime	Oregon	H2Y4 (AC200V)
TR1	Thermocouple (Upper)	Shinko	
TR2	Thermocouple (Lower)	Shinko	
TC1	Temperature controller (Upper)	Shinko	AT72-R10-1076 (AC100V)
TC2	Temperature controller (Lower)	Shinko	AT72-R10-1076 (AC100V)
III-B-D	Overheat alarm	UDV	
CV1	Motor control panel	Hitachi	CV-1001-10A
YR1	Speed setting knob	Hitachi	YR-25 YN-5A10-10W
CV1	Phase detector capacitor	Hitachi	QJF-21W
TPM1	Pressure transducer for water	Hitachi Kasei	S-05

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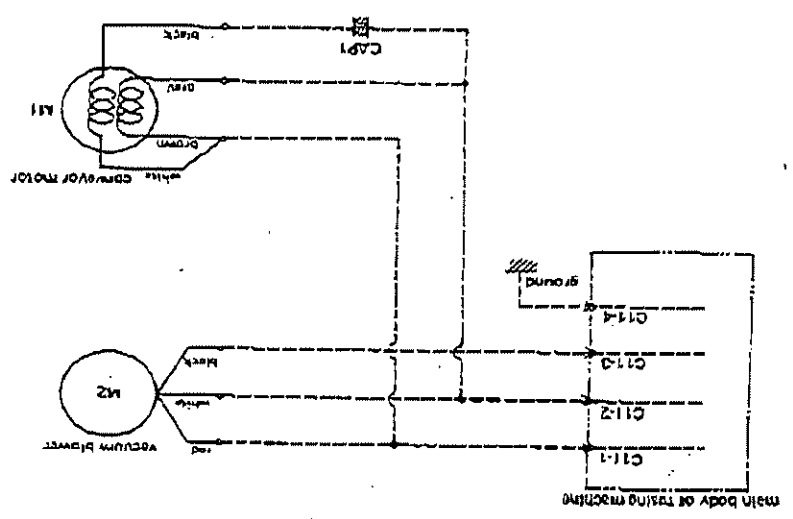
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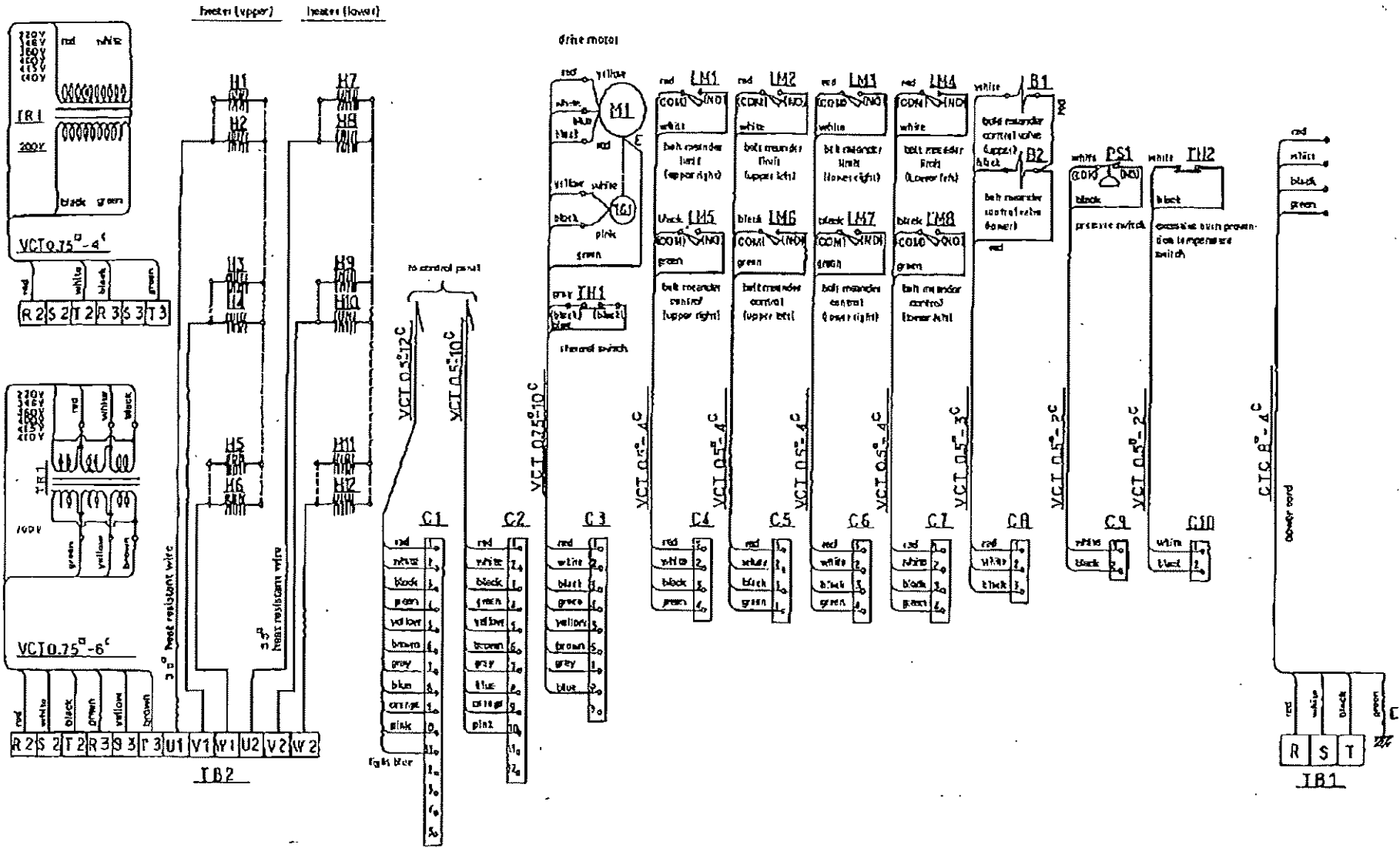


JSF-900V Wiring diagram

Symbol	Name	Manufacturer	Model number
M1	conveyor motor	MATSUSHITA	81H 40G (AC200V)
CAP1	phase advance capacitor	MATSUSHITA	3 μF (400 VAC)
M2	vacuum blower	MATSUSHITA	FY-23-CT-FX (AC200V)
C11	nylon connector	MOLEX	1222P-1 (male)



JSF-800 Wiring diagram





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