Cissi Form Finisher

Models

FCCG FCFG

FCCD FCAC

OWNER'S MANUAL

CISSELL MANUFACTURING COMPANY
HEADQUARTERS
831 SOUTH FIRST ST.
P.O. BOX 32270
LOUISVILLE, KY 40232-2270

PHONE: (502) 587-1292
SALES FAX: (502) 585-3625
SERVICE/PARTS FAX: (502) 681-1275

THIS MANUAL MUST BE GIVEN TO THE EQUIPMENT OWNER.

MAN38 5/97

Part No. D0103

WARRANTY

The Cissell Manufacturing Company (Cissell) warrants all new equipment (and the original parts thereof) to be free from defects in material or workmanship for a period of one (1) year from the date of sale thereof to an original purchaser for use, except as hereinafter provided. With respect to non-durable parts normally requiring replacement in less than one (1) year due to normal wear and tear, including, but not limited to, cloth goods, valve discs, hoses, and iron cords, and with respect to all new repair or replacement parts for Cissell equipment for which the one (1) year warranty period has expired, or for all new repair or replacement parts for equipment other than Cissell equipment, the warranty period is limited to ninety (90) days from date of sale. The warranty period on each new replacement part furnished by Cissell in fulfillment of the warranty on new equipment or parts shall be for the unexpired portion of the original warranty period on the part replaced.

With respect to electric motors, coin meters and other accessories furnished with the new equipment, but not manufactured by Cissell, the warranty is limited to that provided by the respective manufacturer.

Cissell's total liability arising out of the manufacture and sale of new equipment and parts, whether under the warranty or caused by Cissell's negligence or otherwise, shall be limited to Cissell repairing or replacing, at its option, any defective equipment or part returned f.o.b. Cissell's factory, transportation prepaid, within the applicable warranty period and found by Cissell to have been defective, and in no event shall Cissell be liable for damages of any kind, whether for any injury to persons or property or for any special or consequential damages. The liability of Cissell does not include furnishing (or paying for) any labor such as that required to service, remove or install; to diagnose troubles; to adjust, remove or replace defective equipment or a part; nor does it include any responsibility for transportation expense which is involved therein.

The warranty of Cissell is contingent upon installation and use of its equipment under normal operating conditions. The warranty is void on equipment or parts; that have been subjected to misuse, accident, or negligent damage; operated under loads, pressures, speeds, electrical connections, plumbing, or conditions other than those specified by Cissell; operated or repaired with other than genuine Cissell replacement parts; damaged by fire, flood, vandalism, or such other causes beyond the control of Cissell; altered or repaired in any way that effects the reliability or detracts from its performance, or; which have had the identification plate, or serial number, altered, defaced, or removed.

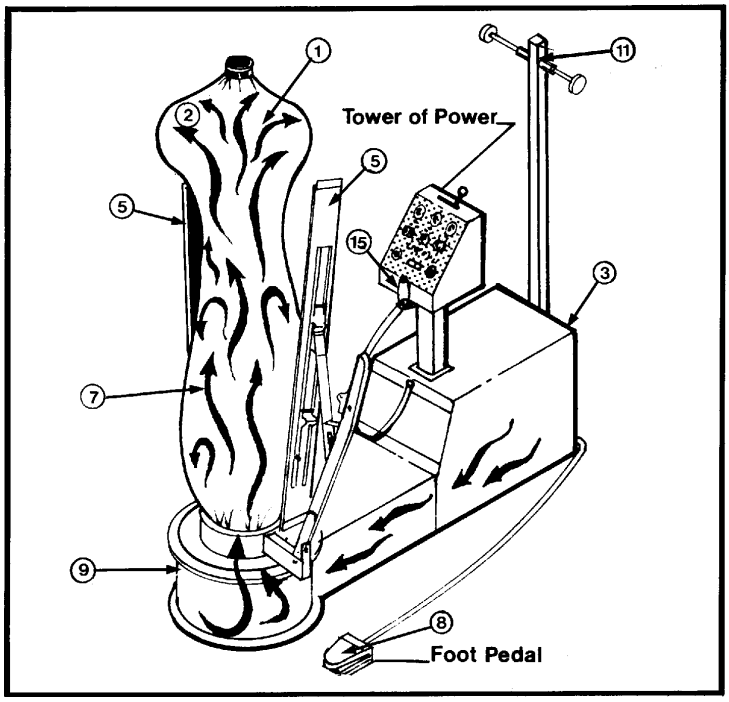
No defective equipment or part may be returned to Cissell for repair or replacement without prior written authorization from Cissell. Charges for unauthorized repairs will not be accepted or paid by Cissell.

CISSELL MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY, STATUTORY OR OTHERWISE, CONCERNING THE EQUIPMENT OR PARTS INCLUDING, WITHOUT LIMITATION, A WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, OR A WARRANTY OF MERCHANTABILITY. THE WARRANTIES GIVEN ABOVE ARE EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. CISSELL NEITHER ASSUMES, NOR AUTHORIZES ANY PERSON TO ASSUME FOR IT, ANY OTHER WARRANTY OR LIABILITY IN CONNECTION WITH THE MANUFACTURE, USE OR SALE OF ITS EQUIPMENT OR PARTS.

For warranty service, contact the Distributor from whom the Cissell equipment or part was purchased. If the Distributor cannot be reached, contact Cissell.

TABLE OF CONTENTS

CISSI FORM FINISHER
Loving Care for Garments



CISSELL FINISHER
HELPS GIVE ORIGINAL LOOK TO ANY GARMENT

(1) Sturdy, stainless steel, rust-resistant frame. (2) Controlled porosity nylon bag for better steam and air distribution. (3) Cleanable inlet air filter reduces bag replacement; helps keep garments clean. (4) Flow of air shapes garment whether heavy or light material. (5) Clamps. (6) Easily adjustable steaming; conditioning and drying controls. (7) Steam evenly distributed throughout entire form. (8) Easy to use foot pedal for starting. (9) Low base makes entire form easy for short operators to use. (10) Form revolves 360 degrees. (11) Clothes rack for hanging finished garments. (12) Vent clamps. (13) Net overbag. (14) Hand pad. (15) Water spray gun. (16) Sleevers.

All parts quickly accessible for ease in maintenance.

*Numbers 12, 13, 14 and 16 are not illustrated.

MODELS
CISSI BASE (FC);

FCFG with Geni Revolving Assembly

FCAF with Aire Form Revolving Assembly

FCCD with Form Finisher Revolving Assembly

FCCG with Finisher 6" Taller Revolving Assembly

Base can also be used with ANY Cissell Garment Manufacturer's model revolving assembly.

Buy the Cissi with your choice of assembly chosen from above; or, buy the Base only - to use with any Cissell revolving assembly you have now.

TOWER FEATURES

- Steaming Timer w/Light
- Conditioning Timer w/Light
- Drying Timer w/Light
- Push Button Start Switch
- 3 Position Cycle Switch:
    1. Steam and Air Conditioning, Drying;
    2. Steaming, Conditioning, Drying;
    3. Pre-steam Only
- Combination Sizing and Cancel Rocker Switch
- Water Spray Gun
- Air Damper Control

The flexibility of these controls on the new model Form Finisher permits the proper steam/air cycles to quickly and efficiently finish heavy, or hard-woven, badly wrinkled garments.

But cycle control is not the only new feature on the Form Finisher. Remember! This Finisher offers the option of multiple revolving assemblies as noted on front side. The choice is yours!

SPECIFICATIONS

Electric Motor: 1/2 HP, 1725 RPM, 115 Volt, 60 cycle, single phase 1/2 HP, 1425 RPM, 230 Volt, 50 cycle, Single Phase

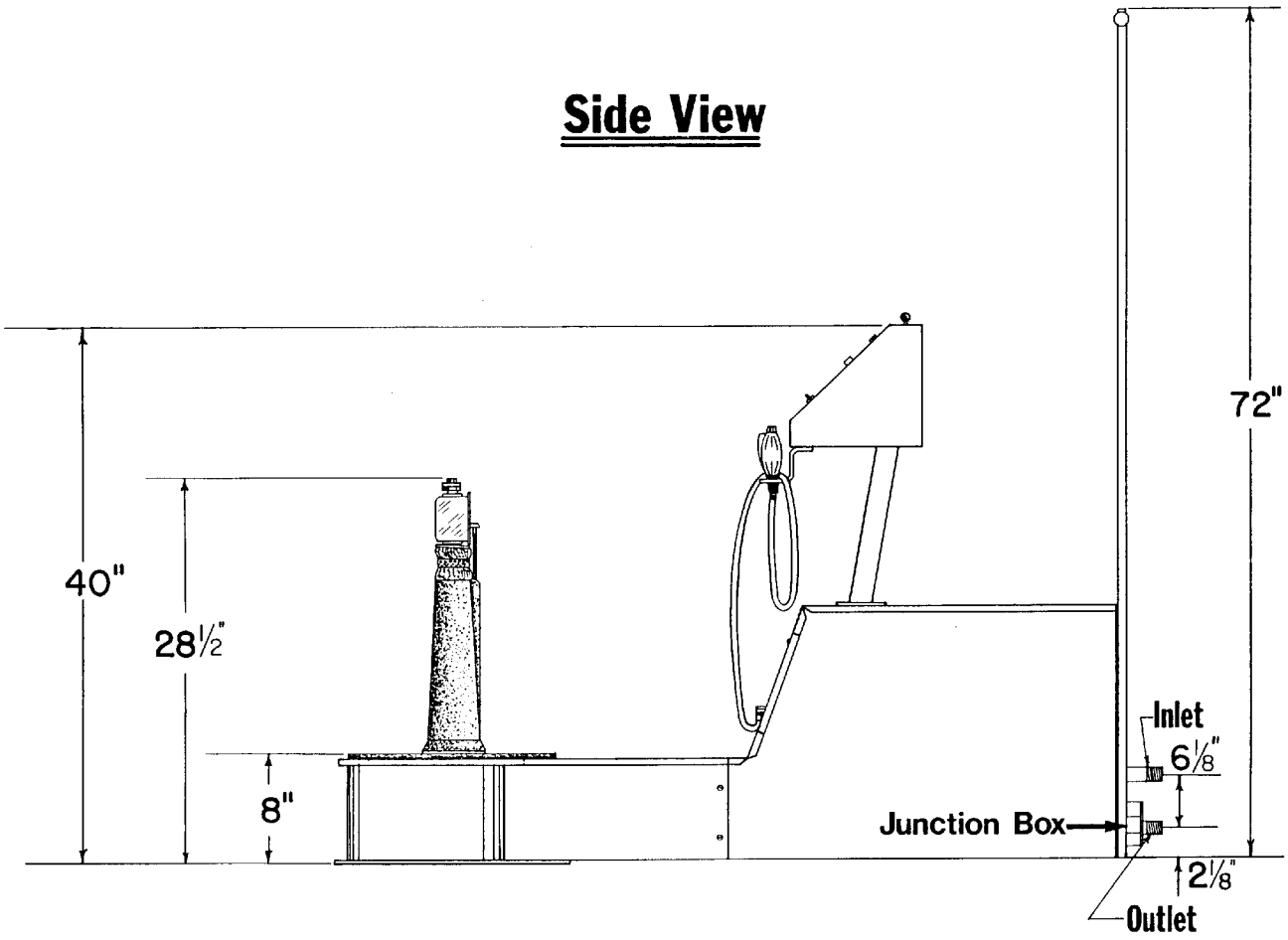
Operating Steam Pressure 60 to 100 Pounds
Boiler HP: Approx. 2
Steam Supply Line: 1/2"
Steam Return Line: 1/2"
Depth: 54"
Height: 17" (to top of cabinet)
72" (to top of clothes rack)
36" (to top of controls)

Width: 17"
Net Weight: 226 Lbs. (approx.)
SHIPPING WEIGHTS:
Domestic: 300 pounds (approx.)
Export: (500 pounds (approx.)
Export: Shipping Dimensions:
66" (H); 71" (L); 25" (W)
Cubic Feet Export Crating:
67.8 (approx.)

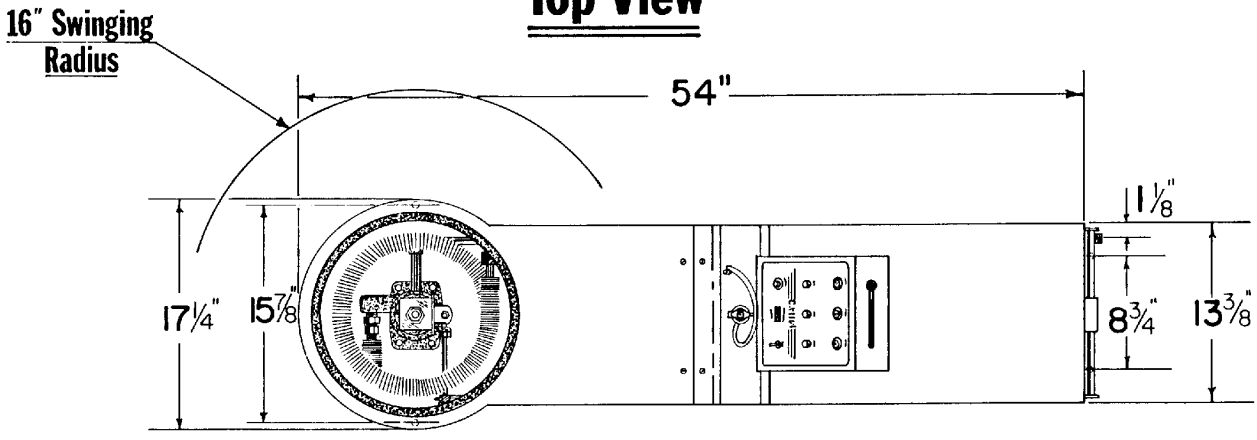
Fully guaranteed for one year against manufacturer's defects.

Outline Dimensions For Cissi Form Finisher

Side View



Top View



CISSI
Installation Instructions

Refer to illustration sheet

(1) UNCRATE MACHINE. Check the nameplate voltage and current, making sure it is the same as the supply voltage and current.

(2) SET MACHINE IN POSITION.

(3) REMOVE THE REVOLVING FORM by holding the turning knob and the opposite weight "bucket" and lifting approximately 22".

(4) CONNECT STEAM SUPPLY LINE as shown on next page.

(5) CONNECT RETURN LINE as shown on next page.

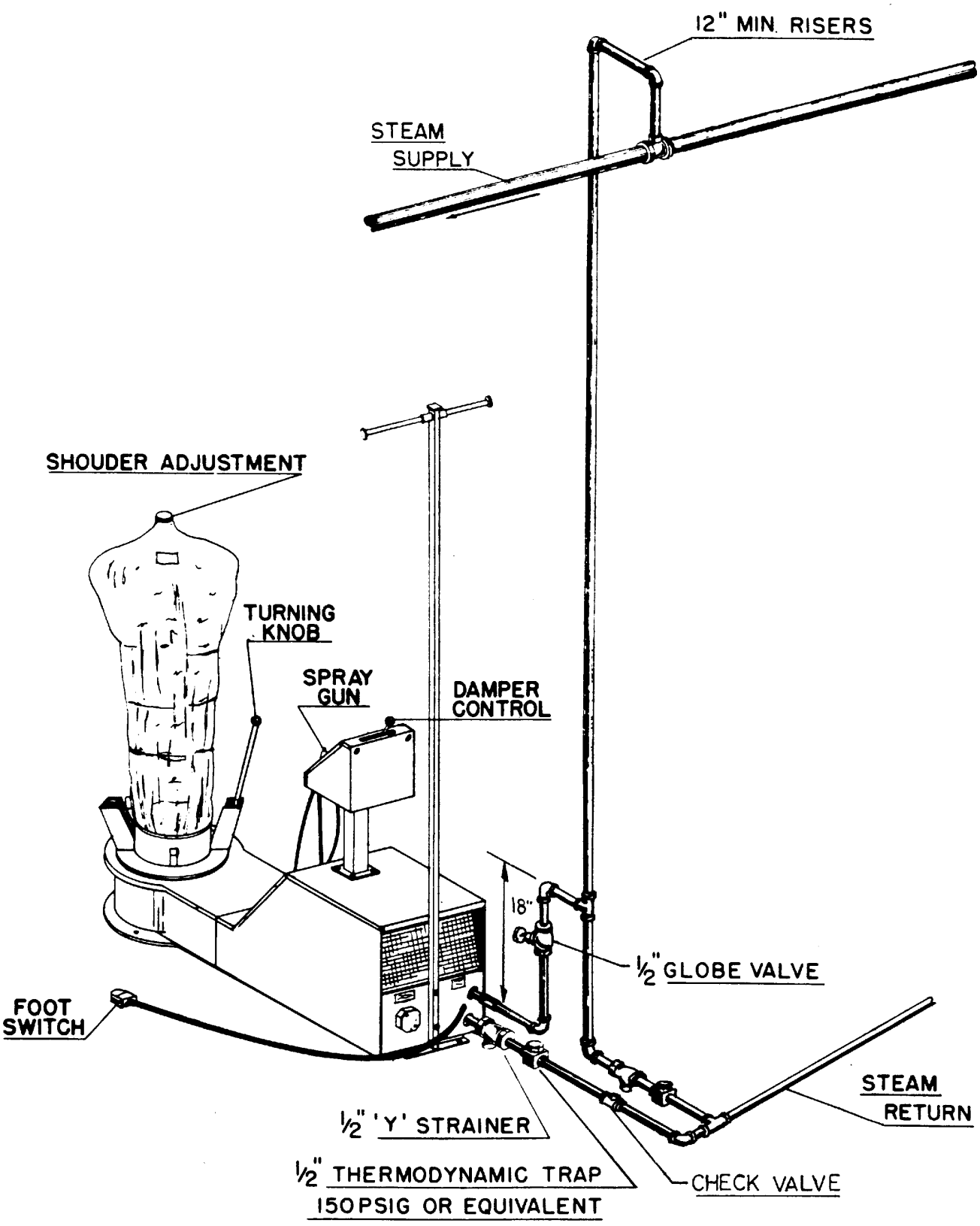
NOTE: Before final return line connection is made, open the steam supply valve and blow all foreign matter out of the steam lines and chamber. Failure to do so will cause trap to leak.

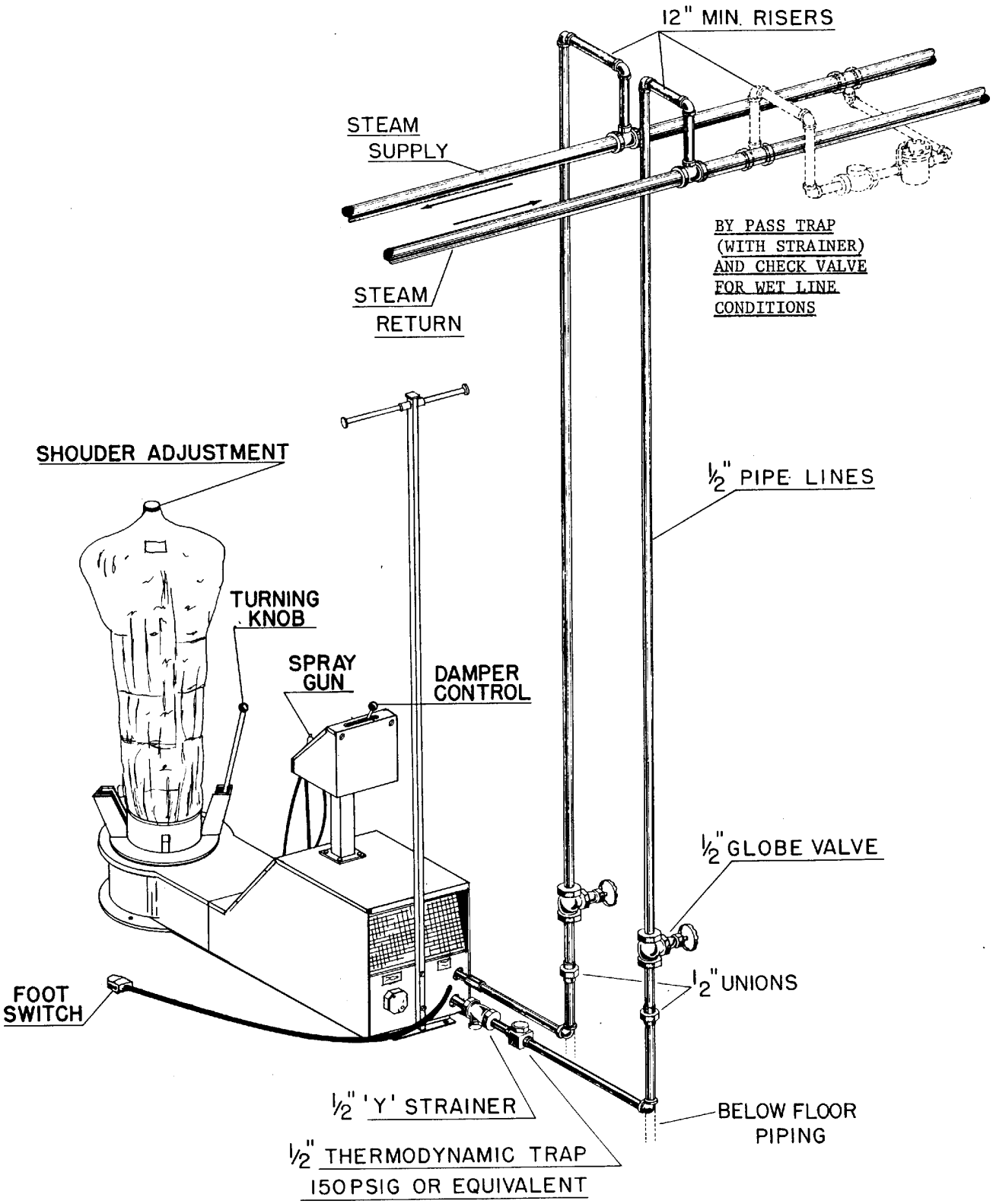
(6) MAKE ELECTRICAL CONNECTIONS in 3" junction box on rear of the machine, according to applicable electric codes. Connections should include a fused disconnect switch or circuit breaker with "slo-blow" characteristics and be capable of carrying 15 amps 115 volts or 8 amps 230 volts.

(7) MAKE SURE THE CONDENSER VALVE IS OPEN (condenser located behind the air filter) before connecting clothes tree.

(8) CONNECT CLOTHES TREE TO REAR OF BASE by the two 1/4" bolts.

(9) TURN ON ELECTRICAL POWER AND TEST THE MACHINE. Replace the revolving assembly, remove the plastic protective bag, and open the return and steam lines.


12" MIN. RISERS
STEAM SUPPLY
SHOUDER ADJUSTMENT
TURNING KNOB
SPRAY GUN
DAMPER CONTROL
18"
½" GLOBE VALVE
FOOT SWITCH
STEAM RETURN
½" 'Y' STRAINER
½" THERMODYNAMIC TRAP
150PSIG OR EQUIVALENT
CHECK VALVE


12" MIN. RISERS
STEAM SUPPLY
STEAM RETURN
BY PASS TRAP (WITH STRAINER) AND CHECK VALVE FOR WET LINE CONDITIONS
SHOUDER ADJUSTMENT
½" PIPE LINES
TURNING KNOB
SPRAY GUN
DAMPER CONTROL
½" GLOBE VALVE
FOOT SWITCH
½" UNIONS
½" 'Y' STRAINER
BELOW FLOOR PIPING
½" THERMODYNAMIC TRAP 150PSIG OR EQUIVALENT

OPERATION INSTRUCTIONS FOR "CISSI" FORM FINISHER

(Machine can be operated from either side).

1. Position garment on form and adjust shoulders. A knob on top of the form is used to adjust the form shoulder width. Turn knob clockwise to increase shoulder width.

Turn knob clockwise to increase shoulder width.

2. Press white switch to "air on" to size the bag by moving the damper control on top of the tower.

3. Set the time on each timer. Recommended is:
   Steam: 6-9 seconds
   Conditioning: 4-9 seconds
   Drying: 12-16 seconds.

4. Either presteam or not; whatever your demands require.

5. Position the cycle switch for whatever cycle you desire. Recommend steaming, conditioning, drying the central position of the switch.

6. Push the push-to-start switch or step on the foot switch and the cycle will automatically sequence.

7. If you desire to cancel that cycle at any time, push the white switch toward the cycle off location.

CISSI FORM FINISHER

The "Tower of Power" is at your fingertips for all of the finishing combinations you will ever need. All three timers (steaming, conditioning, drying) are adjustable from 0 to 30 seconds. The cycle switch provides (presteam only, steaming-conditioning-drying, steam & air-conditioning-drying) which ever is required. The white switch allows you to have air only for sizing and provides a cancel position to terminate the cycle at any time. The automatic push-to-start switch is available on the tower or by the foot switch. The lights will glow whenever you are in any of the timer periods. Damper control lever is on top of tower.
Where possible, perform all touch-up of sleeves, collars, trim, etc., prior to finishing on the Genie. In this way, differences in sheen will be eliminated from the garment.

GENERAL SUGGESTIONS

When finishing knits or soft unlined woolens, place net overbag on form before positioning garment. After garment is positioned on form, repeat Step #2 in Operating Instructions. Push damper knob all the way to obtain full air pressure and repeat step 6 to start cycle.

To finish coats and other open front garments, use front paddle clamp to hold front of garment in place. Use the hand vent clamps to hold rear vent or pleat.

When additional moisture is needed for hard set wrinkles, use the water spray gun, spraying into the steam from a distance of approximately 15". Rotate the garment to the spray gun, using the turning knob on the revolving assembly.

Keep the nylon bag clean and in good repair. A vacuum cleanable air filter is provided to help keep the bag clean. Vacuum clean the filter weekly. Remove nylon bag (see detailed instructions) and wet clean as required. Repair holes or worn spots. To obtain proper characteristics of cloth porosity, bag size, and control strings, use only genuine Cissell replacement bags.

NET OVERBAG FOR CISSELL STEAM-AIR FINISHER
(Either Genie or Garment Manufacturer's Form having an "A" type frame)

This overbag is for use ONLY when finishing sweaters or other soft garments that do not require bag contact for proper finishing.

DO NOT use overbag with hard fabrics or heavy garments. Hard set wrinkles will not be removed when using the overbag.

The Cissell overbag holds the form to a narrow size, thereby spreading steam and gentle diffused air throughout the garment to eliminate distortion.

THE NET OVERBAG IS EASY TO USE

1. Place the net bag over the form so that it fully covers the standard nylon bag.

2. Place the garment on the form and operate the machine per standard instructions, using "large size" setting for faster drying.

In general, garments including bonded knits and wool dresses can be finished without the overbag.

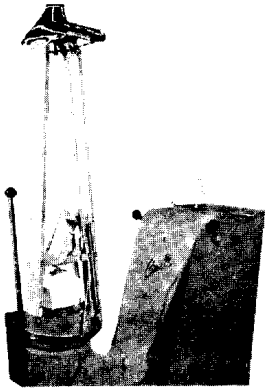
When ordering additional net overbags, specify F816.

CHANGING INSTRUCTIONS
F833 Bag with GENIE Revolving Assembly

TO REMOVE BAG

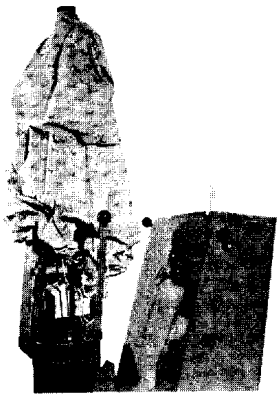
(1) Remove yellow weights, 1 each side.

(2) Raise the lower control ring (inside bag).



(3) Open zipper and untie bottom string.

(4) Lift bag off over revolving assembly shoulder form.



TO REPLACE BAG

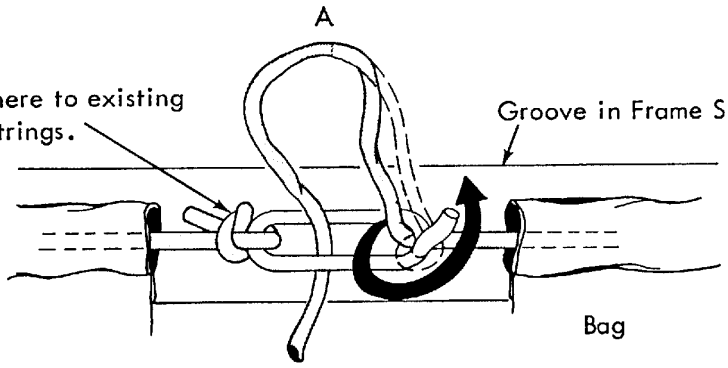
(4) Replace yellow weights, one each side, on end of control strings.

(3) Lower the control ring inside bag.

(2) Tie bottom string in groove and close zipper. Refer to instructions on next page for proper knot when tying string. Straighten bag until control strings are at the sides.

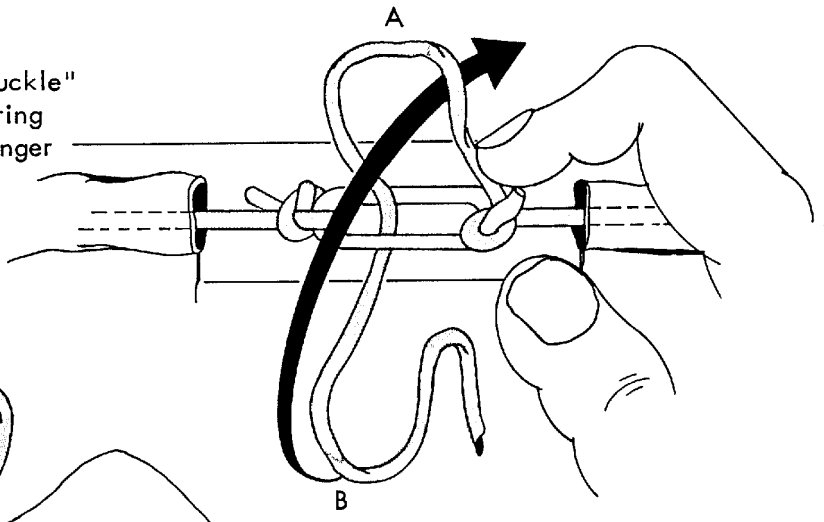
(1) Place bag over revolving assembly shoulder form, with front of bag toward front of form.

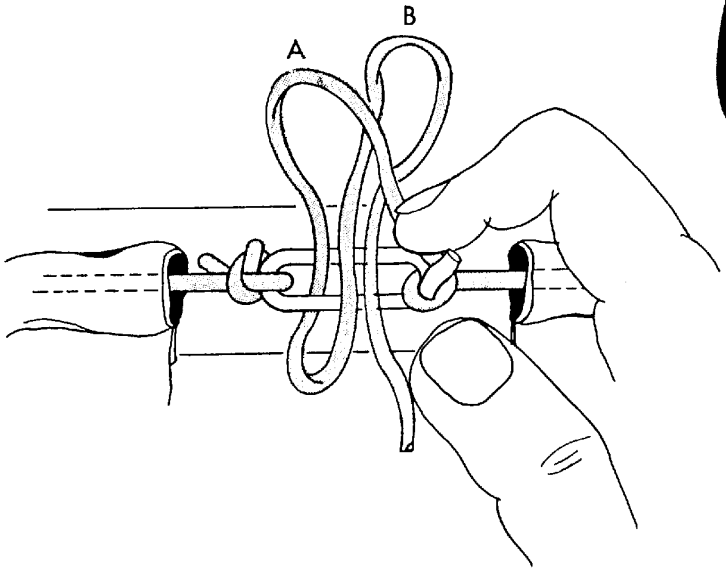
INSTRUCTIONS FOR TYING LOWER TIE STRING



STEP 1 Work tie string into the groove, loop through the "buckle" as shown and pull string tight into groove.

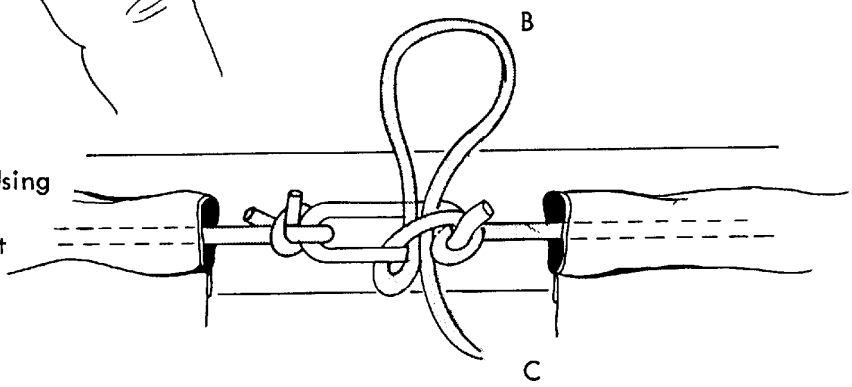
STEP 2 Loop tie string around "buckle" horn and grip horn and string between thumb and forefinger as shown above. This will prevent slipping and steady the buckle for the next operation.





STEP 3 Loop additional tie string B through existing loop A, still holding the buckle.

STEP 4 Pull on loop B and tighten the knot on the buckle. Using look B and string C tie an overhand knot to keep knot from slipping.



CISSELL STEAM-AIR FINISHER
INSTRUCTIONS FOR ADJUSTING HEIGHT OF REVOLVING FORM
(Model FM** and Model FG2)

Should the revolving form "drag" on the base rather than turn freely, the form must be raised.

Conversely, if the revolving form hides too high above the base, permitting steam to escape from the space between the form and base, the form must be lowered.

WHEN AN ADJUSTMENT MUST BE MADE, REMOVE REVOLVING FORM BY SIMPLY LIFTING IT STRAIGHT UP OFF THE BASE.

PROBLEM: Revolving Form "drags" on base.

TO CORRECT: Loosen F286 Bearing Lock Nut. Turn F287 Bearing Adjustment Screw COUNTER-CLOCKWISE.

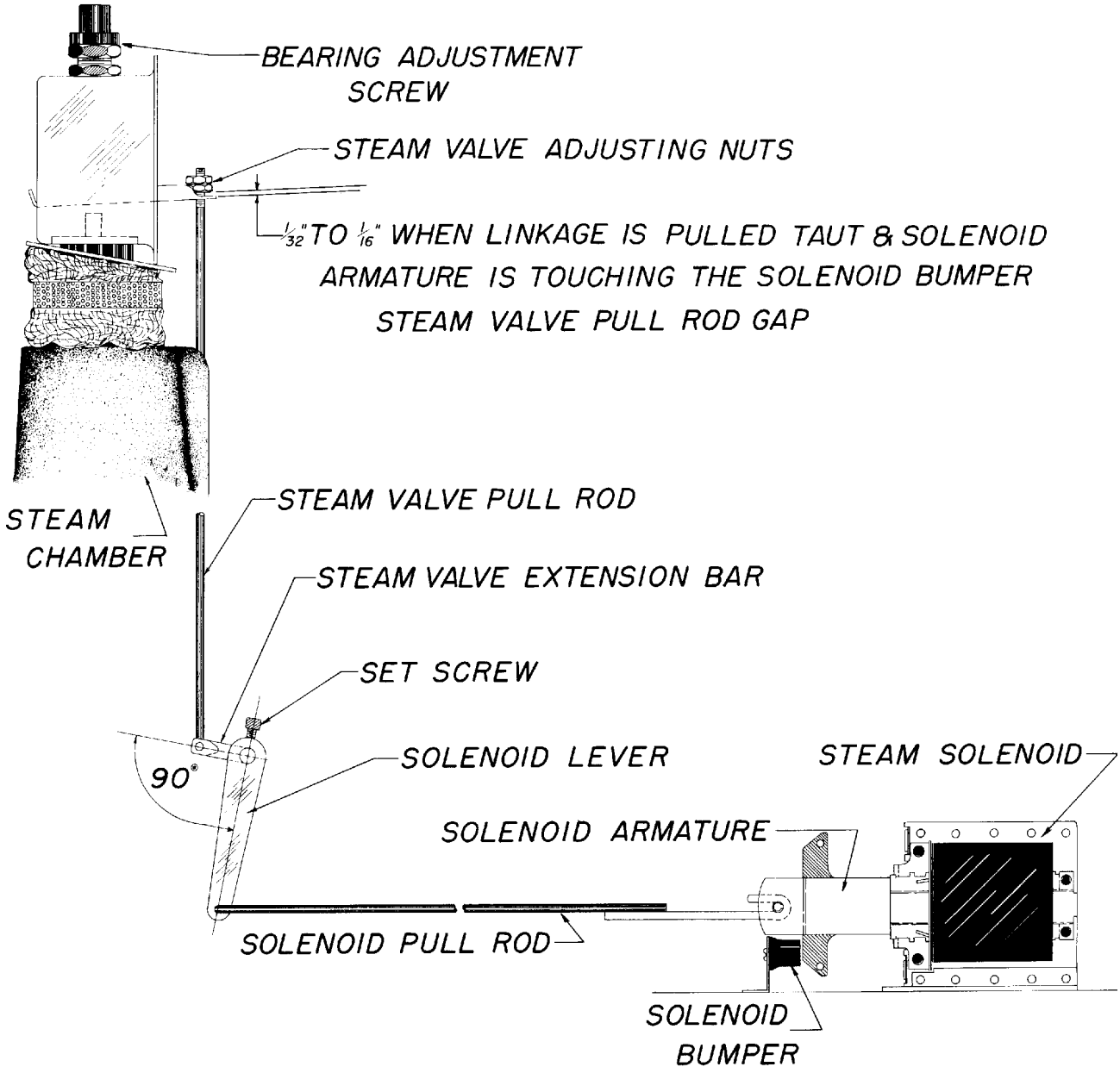
CHECK ADJUSTMENT: Replace revolving form on base. Rotate form. If perfectly adjusted, form will rotate freely and snugly on felt seal around top of base. If form is still too low...or too high...repeat adjustment until it is correct.

PROBLEM: Revolving Form rides too high above base.

TO CORRECT: Loosen F286 Bearing Lock Nut. Turn F287 Bearing Adjustment Screw CLOCKWISE.

CHECK ADJUSTMENT: Replace revolving form on base. Rotate form. If perfectly adjusted, form will rotate freely and snugly on felt seal around top of base. If form is still too high...or too low...repeat adjustment until it is correct.

SOLENOID LINKAGE ADJUSTMENT

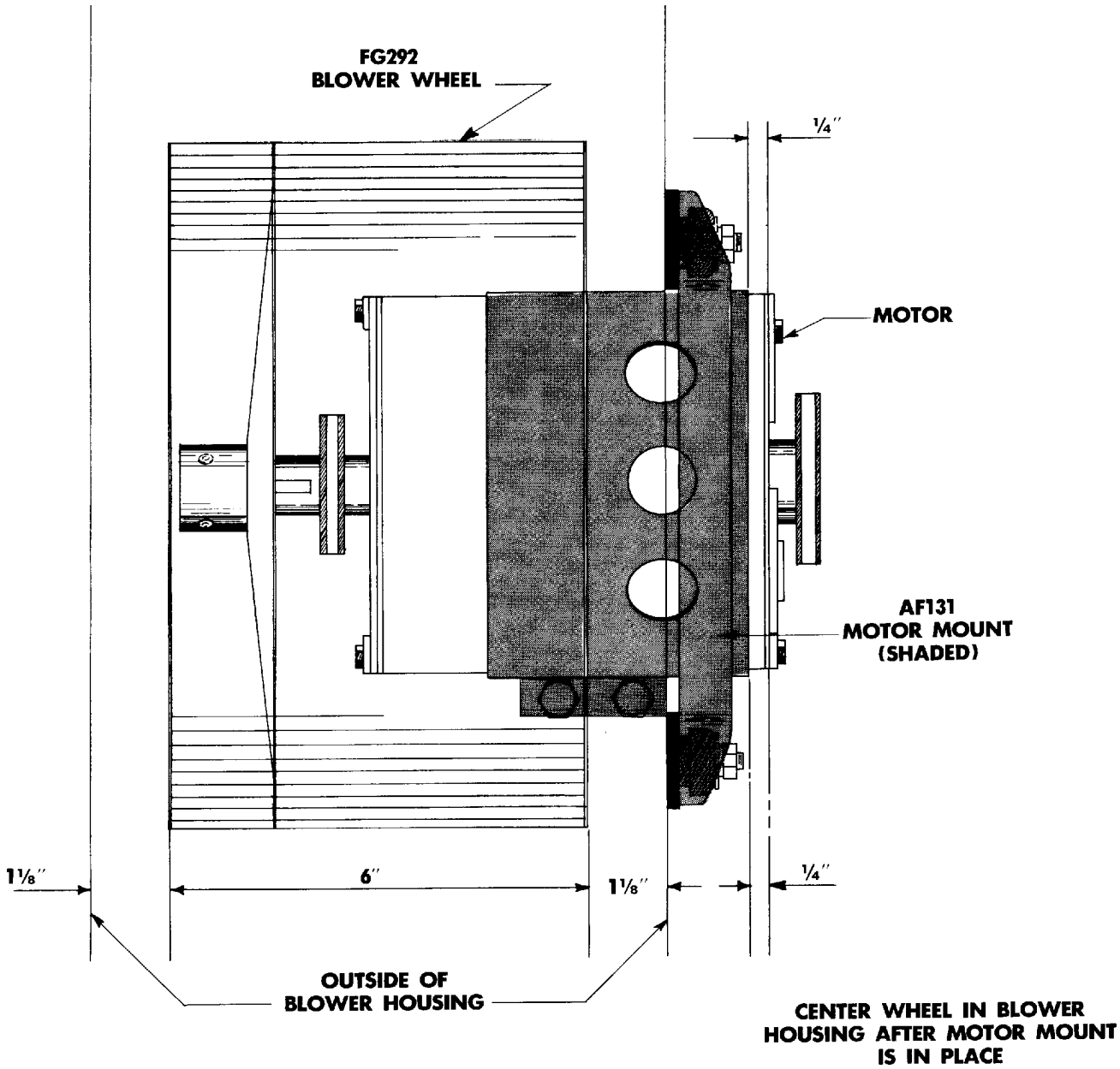


TO ADJUST STEAM VALVE AND SOLENOID LINKAGE:

1. Set steam valve extension bar and solenoid lever at 90º as shown and tighten set screw.

   Adjust steam valve adjusting nuts until 1/32” to 1/16” gap is obtained as shown above and lock adjusting nuts tightly together.

MOTOR MOUNTING DIMENSIONS



SERVICE CHART

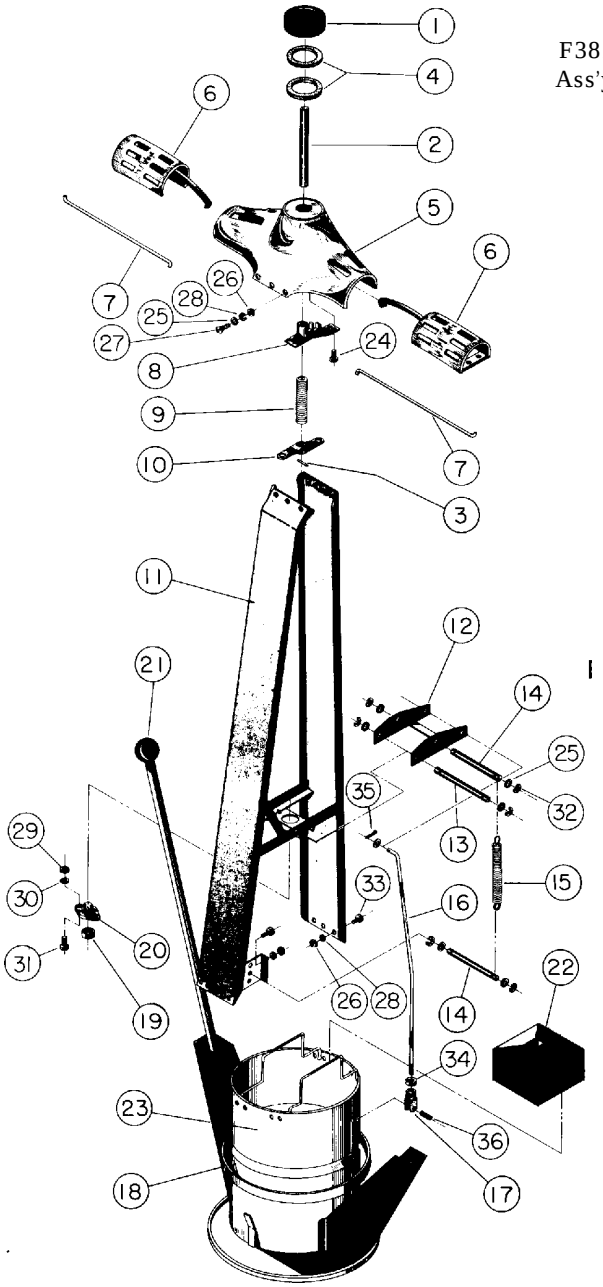
PROBLEM	CAUSE	REMEDY
(1) No Steam	1A Steam Supply Valve "OFF"	Open valve in steam supply line.
	1B Electric power"OFF"	Inspect electric service for blown fuses, loose conections. Turn main disconnect "on".
(2) Blower motor will start, steam won't start	2A Start switch not released by cam when control knob is pushed	Align switch with centerline of cam. Adjust switch away from cam with adjusting nuts. Replace panel, test and repeat if necessary.
	2B Loose wires	Inspect and replace any loose wires.
	2C Incorrect voltage of electrical parts	Inspect nameplate voltage and voltage on electrical parts, especially the solenoid. Replace switch if necessary.
	2D Defective start switch	Check switch to see that it operates and will carry current. Replace switch if necessary.
	2E Defective solenoid	Inspect solenoid. Replace if necessary.
	2F Defective solenoid linkage	Check linkage between solenoid and steam valve for broken or loose parts. Repair or replace as required. (See adjustment instructions)
(3) Leaking steam valve	3A Solenoid linkage adjusted incorrectly	Inspect linkage and adjust according to instructions. Tighten all lock nuts and set screws.
	3B Loose valve seat	Inspect and tighten seat if required.
	3C Worn valve	Inspect valve parts. Replace worn parts as required.
(4) Wet steam	4A Trap not operating	Check size and operation of trap. Repair or replace if required.
	4B Trap installed incorrectly	Check to see that direction of flow in trap is correct and that trap is correct and that trap is in or below machine return line.
	4C Check valve installed wrong or sticking	Check to see that direction of flow is correct and valve not sticking.

PROBLEM	CAUSE	REMEDY
(4) Wet steam (Cont.)	4D Strainer clogged	Inspect strainer and clean if necessary.
	4E Return line turned off	Open valve in condensate return line.
	4F Steam Cycle too long	Reduce amount of time set on steam timer.
	4G Improperly installed steam lines	Check steam line installation to see that “risers” are installed, as shown on installation instructions.
	4H Heavy condensate in supply line	Install a by-pass trap from supply header to by-pass condensate to return line.
	4I Machine not individually trapped	Install a separate trap for each machine.
	4J Back pressure in return line	Inspect all traps to see if one is stuck open, or improperly in-stalled. Perform steps necessary to make return line drain by gravity to condensate return tank. See that return tank is adequately vented.
(5) Water accumulates in base	5A Steam too wet	See wet steam above.
	5B Leak in finned tube or pipe fitting	Inspect machine and repair or replace any leaking parts.
	5C Leaking steam valve	See leaking steam valve above.
(6) Excessive noise or vibration	6A Foreign object in blower wheel	Inspect wheel and remove any foreign objects & lint.
	6B Blower wheel out of balance	Inspect wheel for loose balance weights, out of round or damage, replace if necessary.
	6C Motor bearings bad	Inspect motor to see if bearings are tight and motor free turning. Replace motor if necessary.
	6D Motor mount bent	Inspect motor mount to see if machine has been dropped in transit, bending the mount, letting the blower wheel hit the housing. If so, inspect blower wheel for damage. Replace either or both if necessary.
	6E Blower wheel loose on motor shaft	Check to see that wheel is mounted in center of housing, key is in keyway if used, and both set screws tight.
(7) Blower motor won’t start, machine won’t steam	7A No electrical power	Check electrical service and be sure main switch is “ON”; all wires are tight and fuses are good.

PROBLEM	CAUSE	REMEDY
(7) Blower motor won't start, machine won't steam (Cont.)	7B Incorrect supply voltage	Check power source. Voltage phase and frequency must be the same as specified on machine nameplate.
	7C Air switch not being operated by cam lever	Check lever and cam plate. Replace either if required.
	7D Defective air switch	Check switch to see if it operates and will carry current. Replace switch if necessary.
	7E Defective Automatic relay	Operating air switch should cause automatic relay to operate. If defective, replace relay.
	7F Air timer set at 0 time	Timer knob may slip on the shaft and leave the timer set at 0 time. Tighten knob set screw and set timer and knob to suit, approx. 20 seconds.
	7G Defective blower relay	Check to see if the blower relay will operate. If not, replace relay.
	7H Defective blower motor	Check motor to see if it will operate on normal nameplate electrical power. If not, replace the motor.
	7I Loose wires	Check to see that all wires and connections are tight. If not, replace the wires and tighten connections.
(8) Blower motor won't start, machine steams continuously after air switch is operated.	8 Defective start switch	Check switch to see that it operates and will carry current. Replace switch if necessary.
(9) Blower motor will start, machine steams only while control knob is pushed.	9A Steam timer set at 0 time	Timer knob may slip on the shaft and leave the timer set at 0 time. Tighten knob set screw and set timer and knob to suit, approx. 8 seconds.
	9B Defective steam timer	Check timer operation. See if timer switch operates properly. If not, replace timer.
	9C Defective steam relay	Check to see if relay will operate on rated current and if contacts will carry current. If not, replace relay.

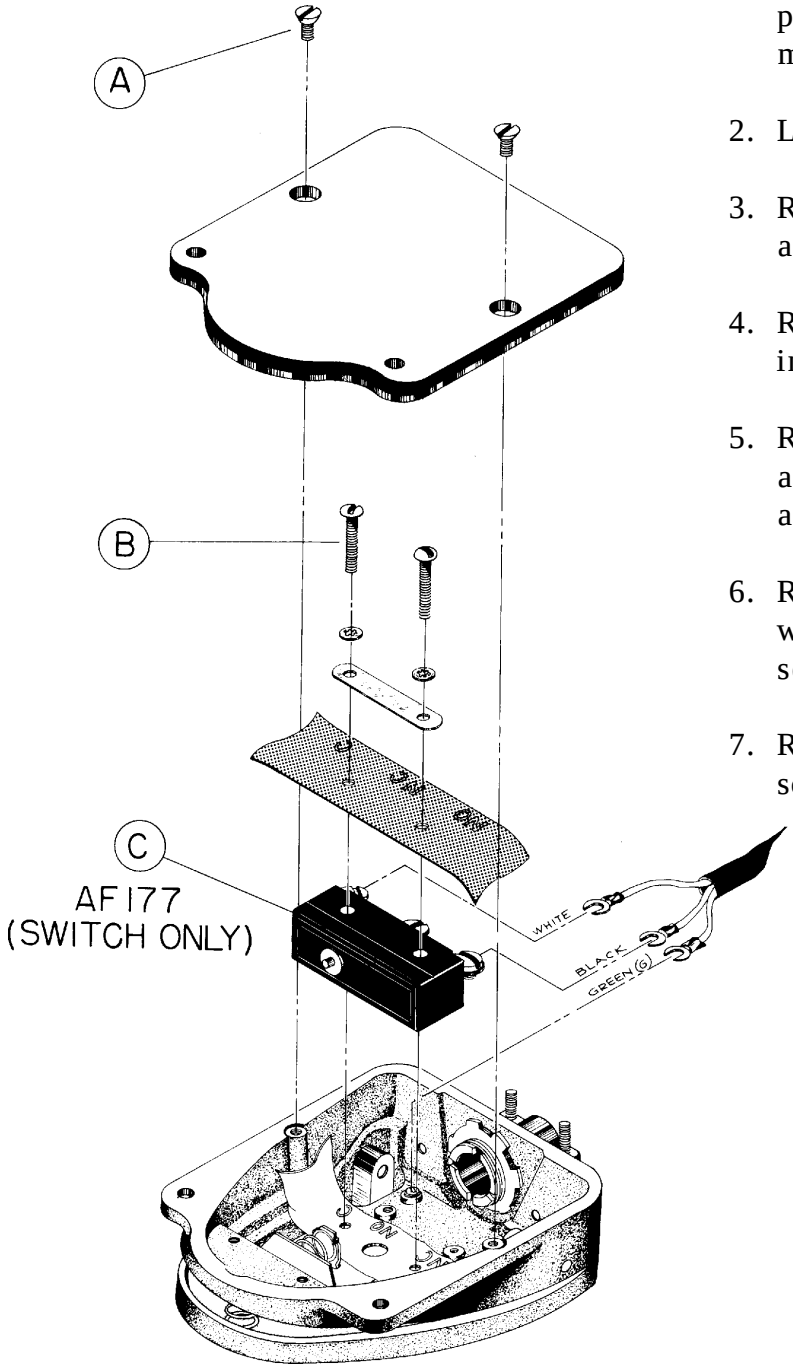
PROBLEM	CAUSE	REMEDY
(10) Inadequate steam flow	10A Steam valve linkage not properly adjusted	Adjust linkage according to adjustment instructions. Tighten all set screws and lock nuts.
	10B Steam time set too short	Set steam timer for longer time. Tighten knob set screw if necessary.
(11) Blower motor will	11 Defective steam timer	Check timer operation. See if timer switch operates properly. If operation is not correct, replace the timer.
(12) Blower motor won't stop	12A Defective Air timer	Check timer operation. See if timer switch operates properly. If operation is not correct, replace the timer.
	12B Defective blower relay	Check to see if relay operates properly on rated current. If contacts are stuck or welded shut, or relay does not operate properly, replace it.
	12C Defective automatic relay	Check relay operation to see that contacts alternate from closed to open. Also, be sure that relay will operate on rated current. If not, replace relay.
(13) Blower motor starts, but form will not change	13A Damper control rod disconnected or broken	Check to see that the damper opens and closes when the control knob is lowered and raised. If not, repair or replace damper control rod.

REVOLVING FORM - FG236



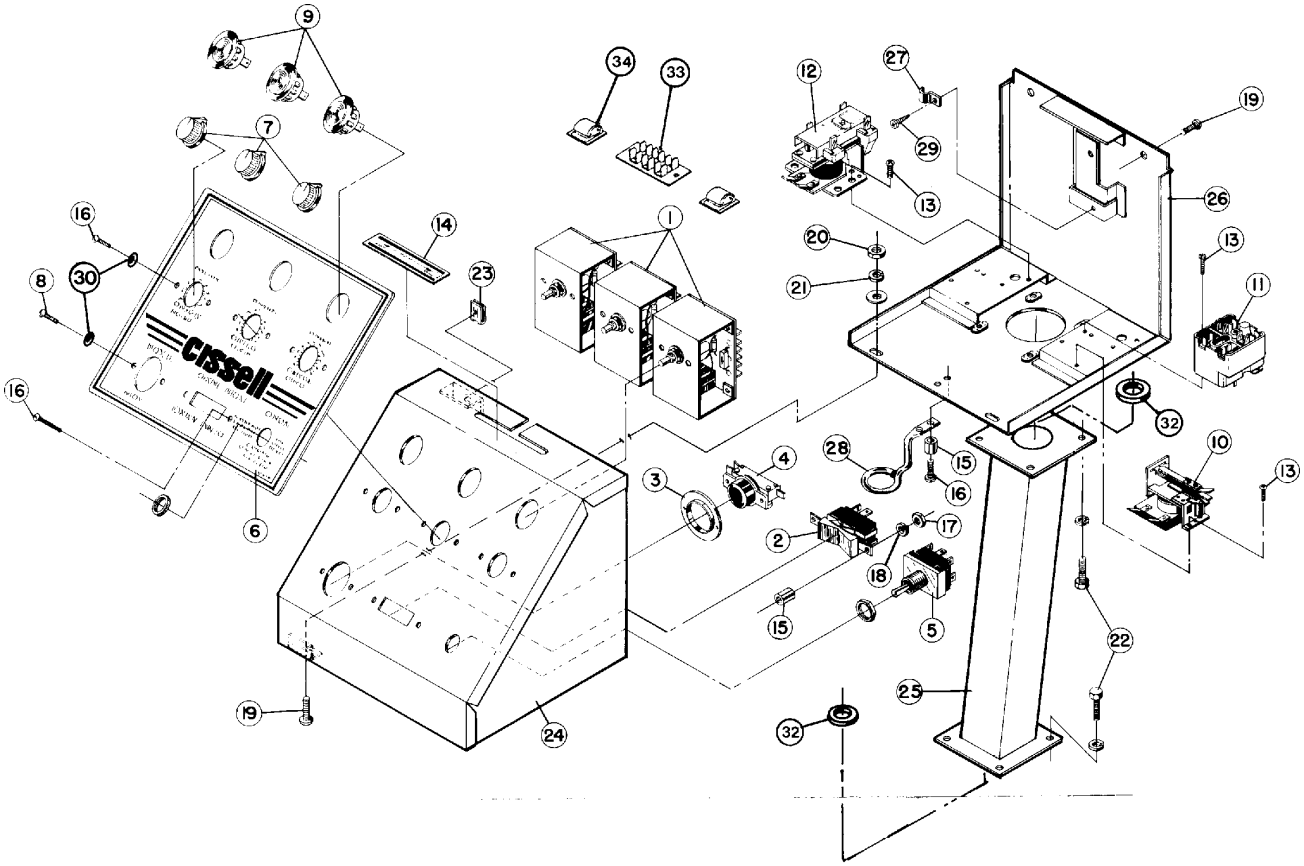
Ref. No.	Part No.	Description
		F517 ADJUSTABLE SHOULDER ASSEMBLY
F381 Ass'y. { 1	D18	Adjusting Knob w/Roll Pin
F381 Ass'y. { 2	F47	C.R.S. Rod
3	F49	Shoulder Lever Pin
4	F192	Pyroid Gasket (2 req'd.)
5	F492	Shoulder
6	F493	Sliding Shoulder (2 req'd.)
7	F336	Shoulder Connecting Link (2 req'd.)
8	F494	Bearing Plate
9	F197	Shoulder Tension Spring
10	F317	Shoulder Lever
		FG290 REVOLVING FORM FRAME ASSEMBLY
11	FG219	Frame Ass'y.
12	FG220	Pivot Plate Ass'y.
13	FG222	3 5/8" x 1/4" Pin
14	FG223	4 1/2" x 1/4" Pin (2 req'd.)
15	TU2089	Spring (2 req'd.)
16	FG201	Support Rod (2 req'd.)
17	FG444	Yoke (2 req'd.)
18	FG202	Weight Ring
19	F279	Thrust Bearing
20	F431	Bearing Cup
		FG291 REVOLVING FORM SHELL ASS'Y.
21	FG156	Turning Arm Knob
22	F09	Large Cloth Collar
23	FG264	Shell Ass'y.
24	TU3478	#8-32 x 1/2" Pan Hd. Scw.
25	P104	1/4 Brass Cut Washer
26	FB185	#10-24 Hex. Nut
27	TU3477	#10-24 x 1/2" Fl. Hd. Scw.
28	FB187	#10 Lockwasher
29	PT355	1/4"-20 S.S. Hex. Hd. Nut
30	F860	1/4" S.S. Split Lockwasher
31	F859	1/4"-20 x 1/2" S.S. Scw.
32	F359	Retaining Rings
33	TU3480	#10-24 Rd. Hd. Scw.
34	F122	1/4"-28 Brass Nut
35	FB201	Cotter Pin
36	FG284	1/4" x 5/8" Roll Pin
		NOT ILLUSTRATED
	F833	"Genie" Nylon Bag
	F816	"Genie" Net Overbag
	FG310	Bag Weights 50 cy. 2" x 1 1/8" (2 req'd.)
	FG311	Bag Weights 60 cy. 2" x 1 1/2" (2 req'd.)

INSTALLATION INSTRUCTIONS FOR AF 177 SWITCH



1. Turn switch to upside down position and remove (2) screws marked (a) as illustrated.
2. Lift off base plate pad.
3. Remove two (2) screws marked (B) as shown.
4. Remove two (2) washers, plate, insulation and switch.
5. Remove wires from old switch (C) and install wires on new switch and tighten securely.
6. Reinstall switch, insulation, plate, washers and screws and tighten securely.
7. Reinstall base-plate-pad and screws and tighten securely.

PT527 - FOOT SWITCH ASSEMBLY

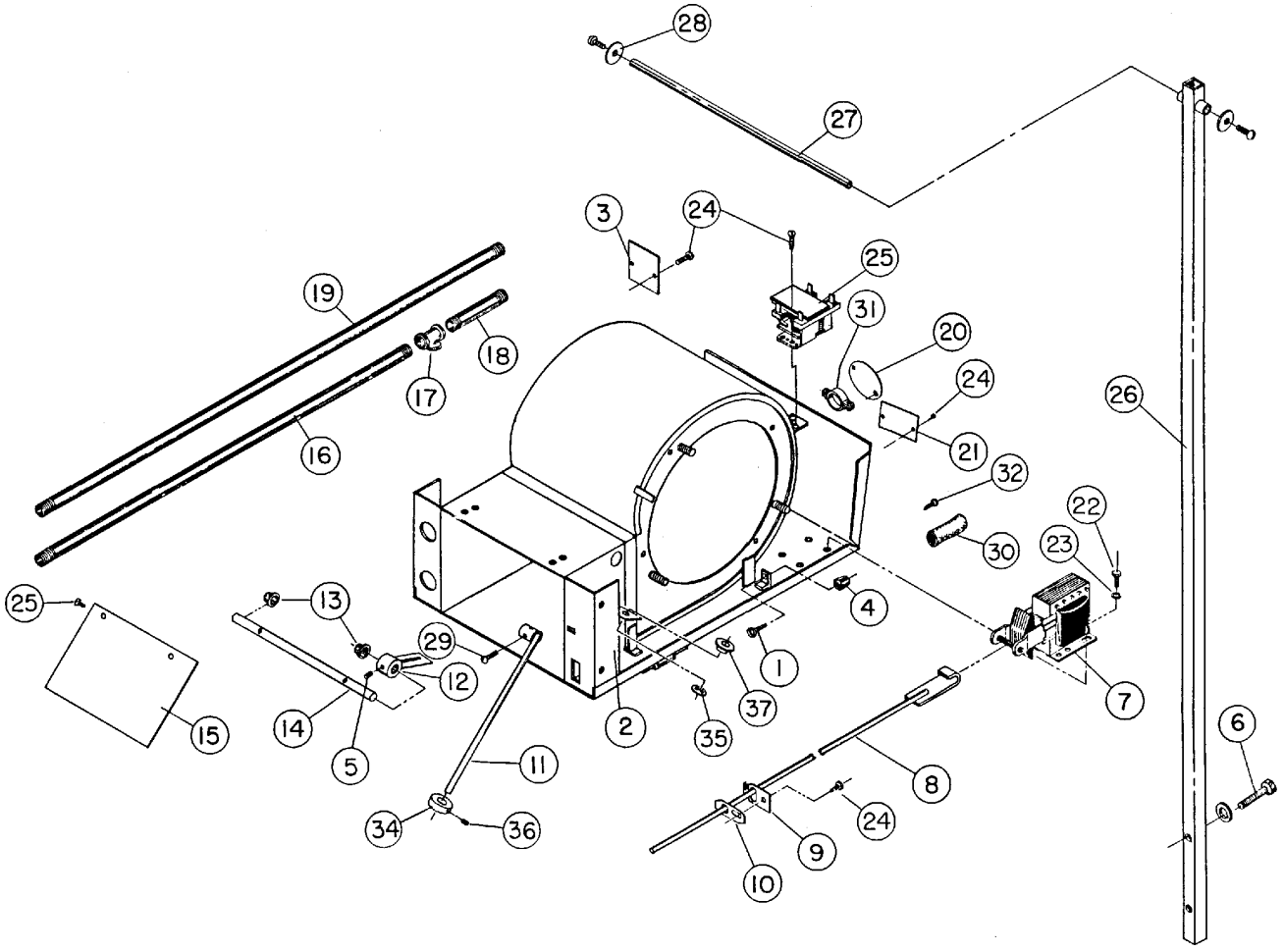


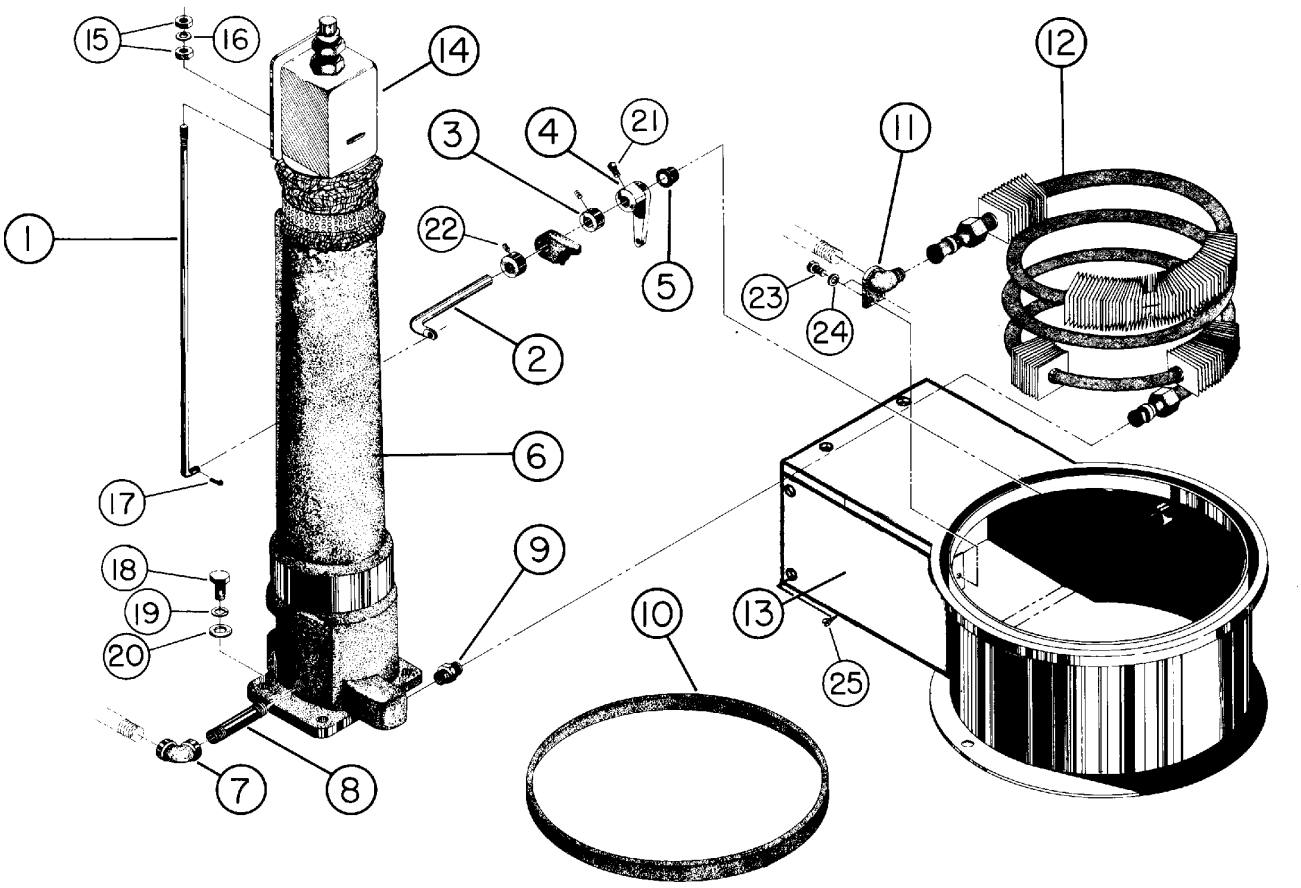
TOWER OF POWER PARTS

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
1	FG453	Timer	17	TU3400	#6 - 32 Nut
2	PT74	Rocker Switch	18	FB187	Lockwasher
3	PT107	Switch Spacer	19	TU3479	#10 - 32 Truss Hd. Sc.
4	PT111	Push Button Switch	20	TU2842	#10 - 32 Nut
5	AT245	Toggle Switch	21	P104	1/4" Cut Washer
6	FC59	Control Panel Label	22	CB36	1/4 - 20 x 1/2 Hex Screw
7	PT118	Knob	23	TU2877	#10 Speed Nut
8	RC385	Machine Screw	24	FC33	Control Mounting
9	M102	Lamp - 120 V.	25	FC23	Control Post
	M454	Lamp - 240 V.	26	FC27	Control Box
10	PT182	Relay - 120 V.	27	F645	1/4" Tube Clamp
	PT183	Relay - 240 V.	28	F590	Spray Gun Holder
11	FG144	Relay - 120 V.	29	TU7733	#8 Self-Drill Screw
	FG233	Relay - 240 V.	30	M271	Internal Tooth Washer
12	TU13224	Relay - 120 V.	31	TU10300	Ground Wire (Not Shown)
	TU13225	Relay - 240 V.	32	TU5958	Bushing
13	M262	#8 Sheet Metal Screw	33	FG325	Terminal Board
14	FC73	Damper Label	34	FC103	Wire Clip
15	F943	Spacer	35	FC102	Wire Harness (Not Shown)
16	LB291	#6 - 32 x 3/8 Pan Hd. Sc.			

CISSI REAR BASE ASSEMBLY

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
1	FG342	#6 - 32 x 3/4 Rd. Hd. Sc.	20	TU2335	Junction Box Cover
2	FC47	Rear Base	21	F779	Nameplate
3	PIU94	Rating Nameplate	22	SV80	1/4 - 20 x 3/8 Slotted Hex Screw
4	TU3549	Rubber Bumper			
5	P126	1/4 - 20 x 1/4 Set Screw	23	TU2846	1/4 Split Lockwasher
6	CB36	1/4 - 20 x 1/2 Hex Hd. Sc.	24	M263	#8 x 3/8" S.M.S.
7	F739	Solenoid 115 V.	25	TU13224	Relay 120 V.
	F738	Solenoid 230 V.		TU13225	Relay 240 V.
8	FC42	Solenoid Rod Extension	26	FC18	Clothes Rack Support
9	F520	Seal Spring	27	FC21	Clothes Rack Rod
10	F519	Nylon Seal	28	FC22	End
11	FC89	Damper Pull Rod	29	SV332	#8 - 32 x 3/8 Machine Sc.
12	FC91	Damper Lever	30	136067752	Fiberglass Sleeve - 2 1/2"
13	TU49	Delrin Bearing	31	C1365	Strain Relief Clamp
14	FC98	Damper Rod	32	TU8563	Ground Screw
15	FC97	Damper	33	TU10300	Ground Wire (Not Shown)
16	FC54	Blk. Pipe, 1/2" x 37"	34	FC96	Collar
17	FG143	Tee, 1/2 x 1/2 x 1/4	35	F489	"E" Ring
18	OP296	Pipe Nipple, 1/2 x 5"	36	C196	Set Screw
19	FC55	Blk. Pipe, 1/2" x 41"	37	FC92	Pull Rod Guide

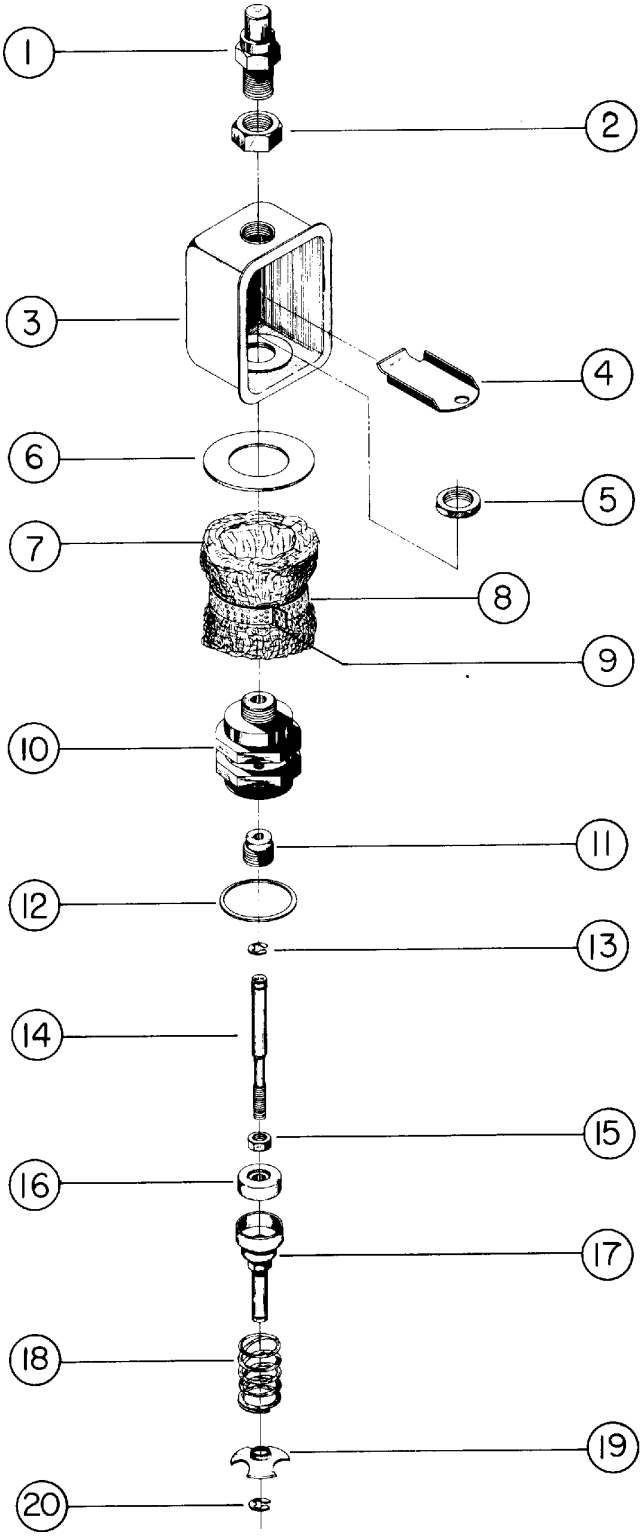




CISSI SHALLOW BASE

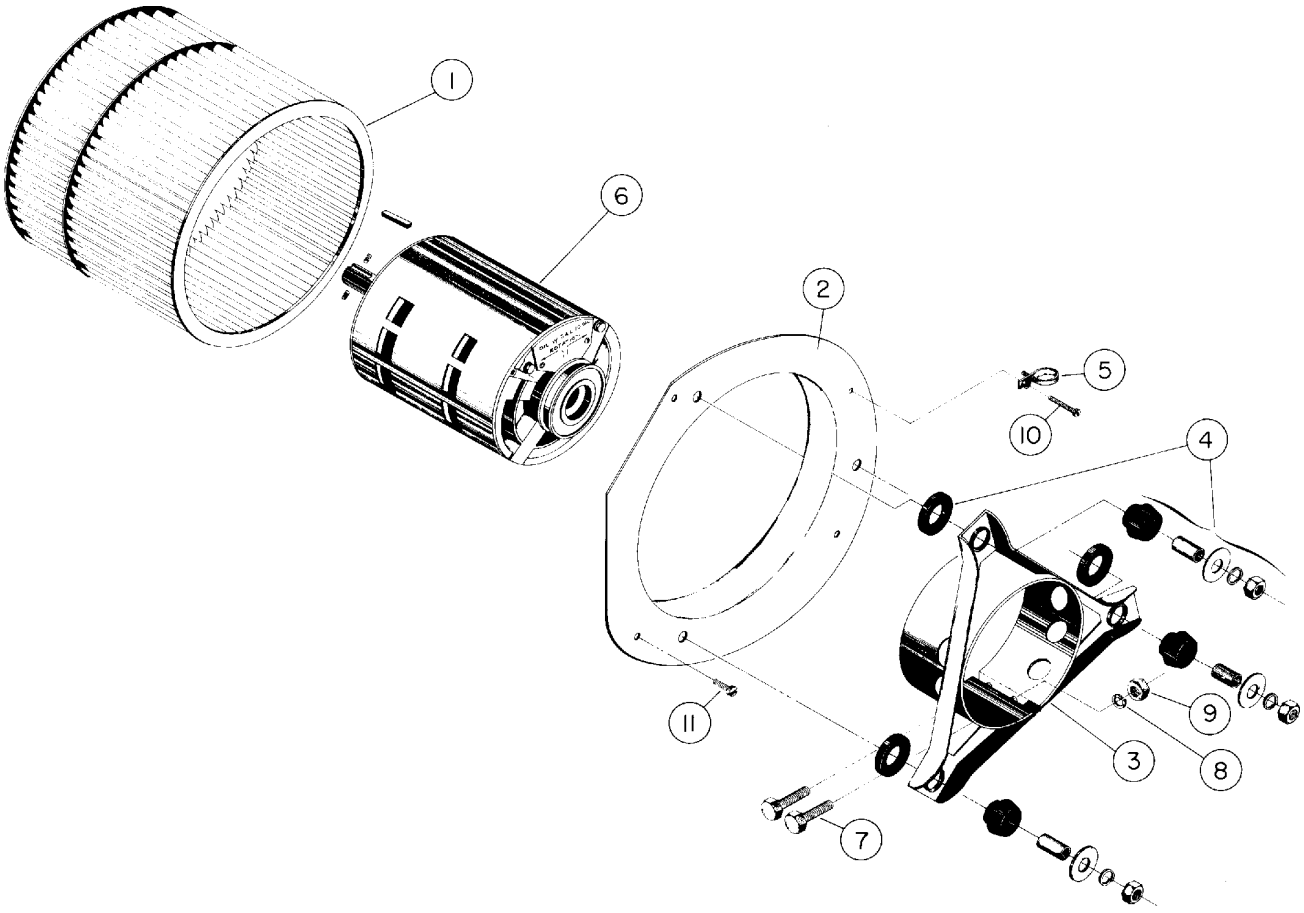
Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
1	F149	Steam Valve Pull Rod	14		See Separate Parts Sheet
2	FG320	Extension Bar	15	F122	1/4" - 28 Brass Nut
3	F215	Set Collar (2 Req'd.)	16	RC349	1/4" Lockwasher
4	FG275	Steam Valve Lever Ass'y	17	V2	1/16" x 1/2" Cottor Pin
5	TU49	Delrin Bearing	18	IB139	3/8" x 1 1/4" Hex. Hd. Scw.
6	F539	Stm. Chamber	19	VSB134	3/8" Split Lockwasher
7	TU4593	1/2" x 90º Pipe Elbow	20	IB140	3/8" Flat Washer
8	LB20	1/2" Pipe Nipple 3" Long	21	F819	5/16"-18-5/8" Sq. Hd. Set Screw
9	FG319	Stm. Coil Adapter			
10	F357	Felt Air Seal	22	P126	1/4" - 20 x 1/4" Set Scw.
11	FG321	Steam Manifold	23	TU3210	5/16" - 18 x 5/8 Hex. Scw.
12	FG322	Steam Coil	24	TU2814	5/16" Split Lockwasher
13	FC1	Base Welded Ass'y	25	TU2793	#8 x 5/8" S.M.S.

VALVE PARTS

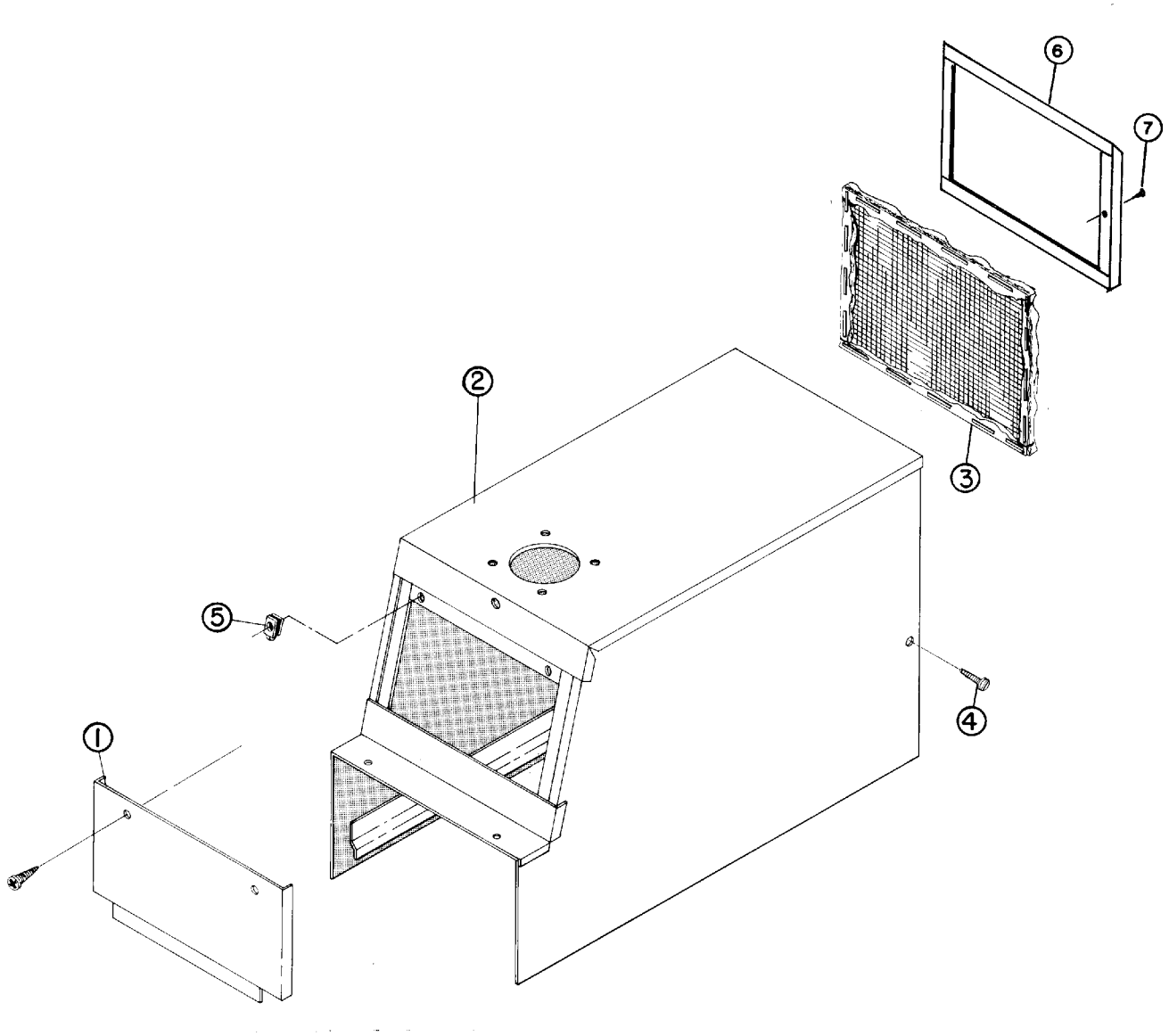


Ref. No.	Part No.	Description
1	F287	Bearing Adjustment Scr.
2	F286	Bearing Lockout
3	F285	Bearing Support Box
4	FV101	Valve Lever
5	OP547	Locknut
6	FV106	Collar Retainer
7	F18	Steam Spreader
8	F894	Drawband
9	F896	Drawband Eye
	FV110	Valve Ass'y CONSISTS OF REF. NO. 10-20
10	FV100	Valve Body
11	V36	Valve Seat
12	P103	Gasket
13	F359	"E" Ring
14	FV103	Valve Stem
15	V15	Small Locknut
16	V16	Teflon Disc
17	FV104	Valve Disc Holder
18	V330	30 Lb. Spring
19	FV105	Spring Retainer
20	F358	"E" Ring

BLOWER, MOTOR & MOTOR MOUNT

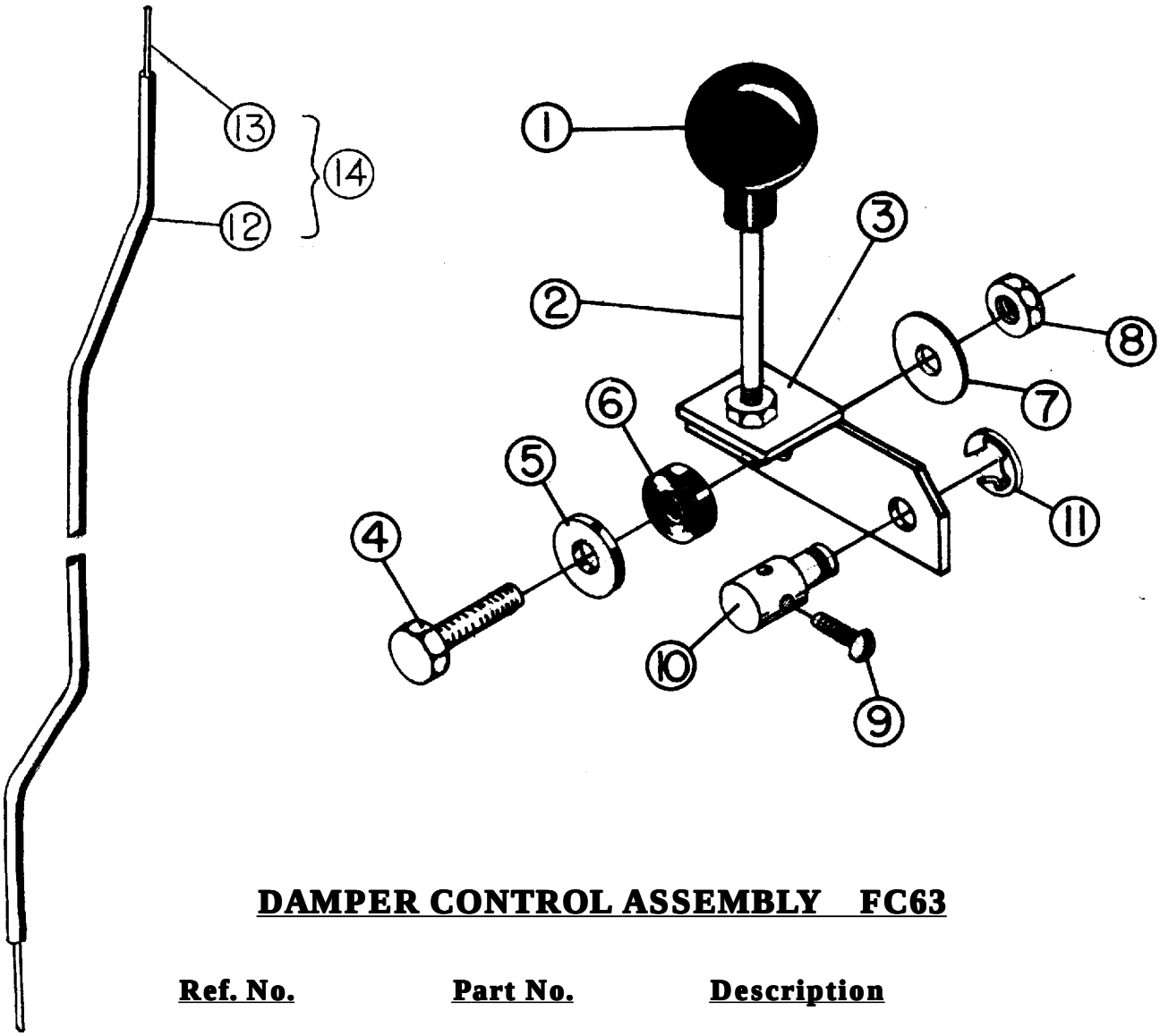


Ref. No.	Part No.	Description
1	FG292	Blower Wheel
2	FG226	Inlet Cone
3	AF131	Motor Bracket
4	AF130	Motor Bracket Mtg. Hardware
5	FG148	Nylon Wire Clamp
6	Motor	(Give Electrical Specs)
7	C363	5/16” x 18 x 1 1/4” Cap Scr.
8	TU2814	5/16” Split Lockwasher
9	C249	5/16” - 18 Hex. Nut
10	TU2793	#8 x 5/8” S.M.S.
11	M263	#8 x 3/8” S.M.S.



JACKET & FILTER

Ref. No.	Part No.	Description
1	FC16	Jacket Door
2	FC5	Jacket Weldment
3	FC67	Air Filter Assembly
4	M263	#8 x 3/8” Sheet Metal Screw
5	FG343	Fastener
6	FC86	Hold Down Grame
7	TU7733	#8 x 1/2” Self Drill Screw

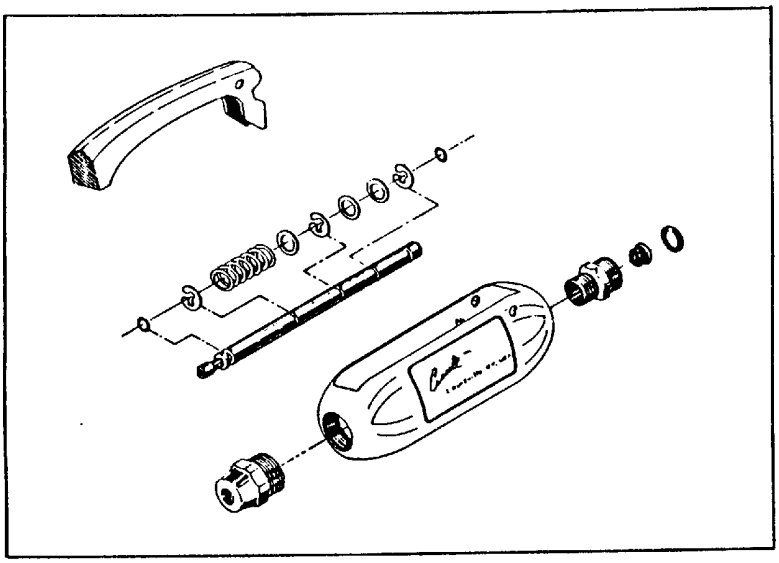


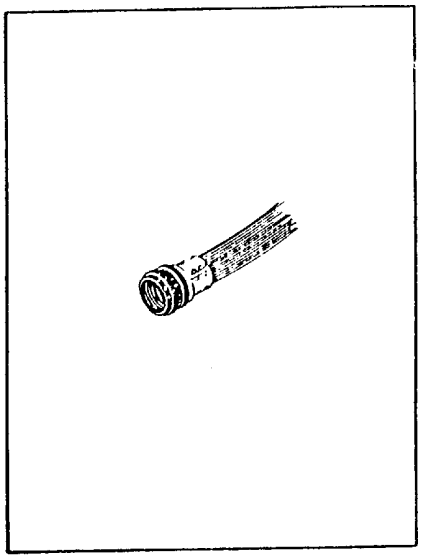
DAMPER CONTROL ASSEMBLY FC63

Ref. No.	Part No.	Description
1	D16	Control Handle Knob *
2	F750	Control Handle Shaft *
3	FC62	Damper Control Lever
4	RC344	1/4" - 20 x 3/4" Hex Cap Screw
5	TU2847	1/4" Flat Washer
6	F660	Rubber Washer
7	F639	Friction Washer
8	TU4934	1/4" - 20 Hex Nut
9	SV332	#8 - 32 x 3/8" Round Hd. Screw
10	F664	Swivel
11	F358	"E" Ring
12	FC68	Damper Control Tube *
13	FC69	Damper Control Wire *
14	FC70	Tube & Wire Assembly *

* Not included in FC63 Assembly, order separately.

OVERHEAD WATER SPRAY GUN





Water Spray Gun

Complete Assembly - SG043
Repair Kit - SK043 Consists of:
(Parts to repair one spray gun)

Plunger Tube Asm.	1 ea.
Strainer	1 ea.
Nozzle	1 ea.
Gaskets	2 ea.

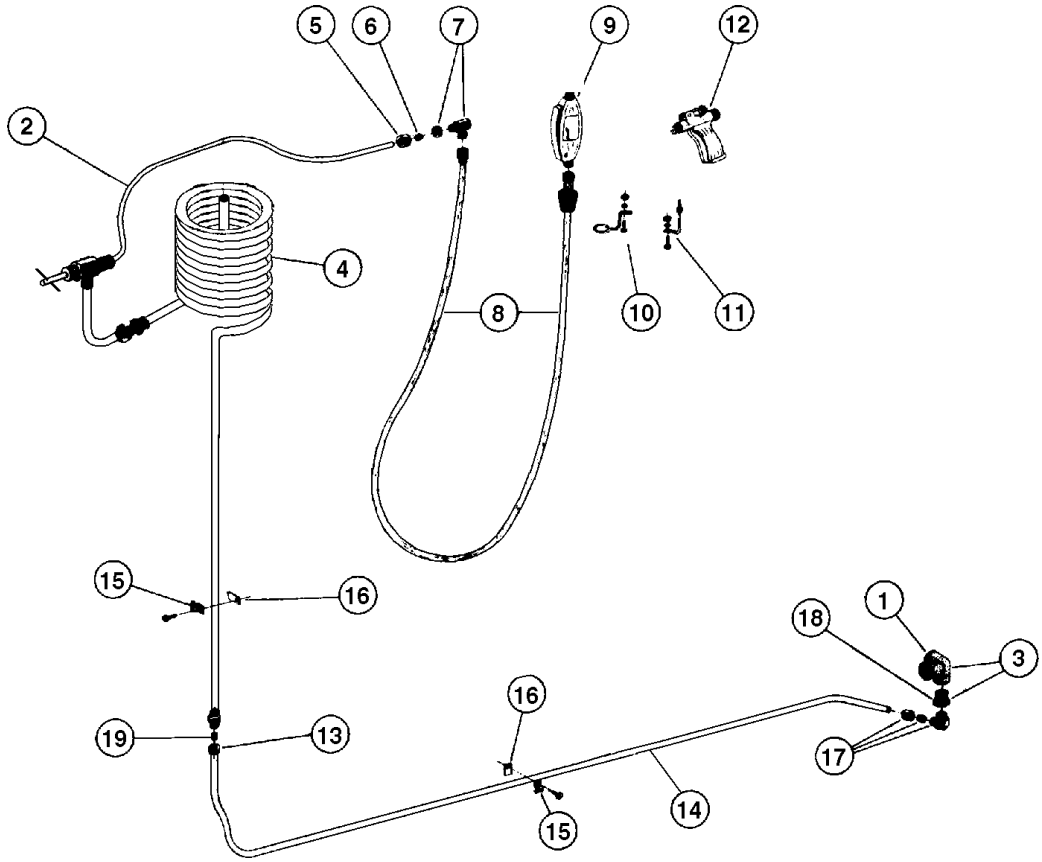
Water Hose Assembly

Includes fittings, gaskets, and ferrules at each end of hose

Part No.	Description
SG114	4' 4" Long
SG37	5' Long
SG68	7' Long
SG115	9' 9" Long
SG87	11' Long
SG155	20' Long

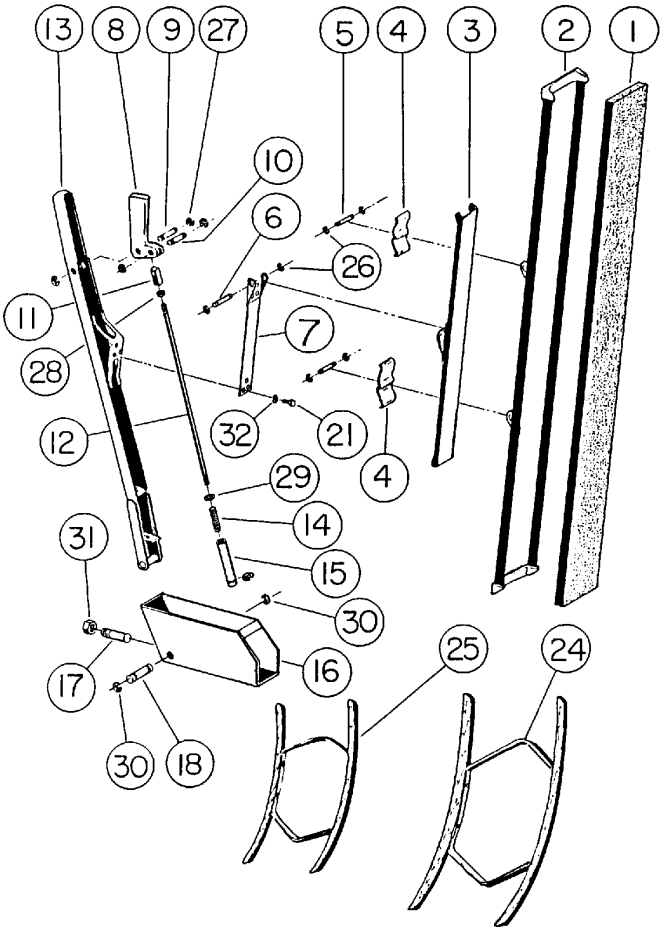
CISSELL WATER-SPRAY GUNS and COIL ASSEMBLY
for Form Finisher Parts

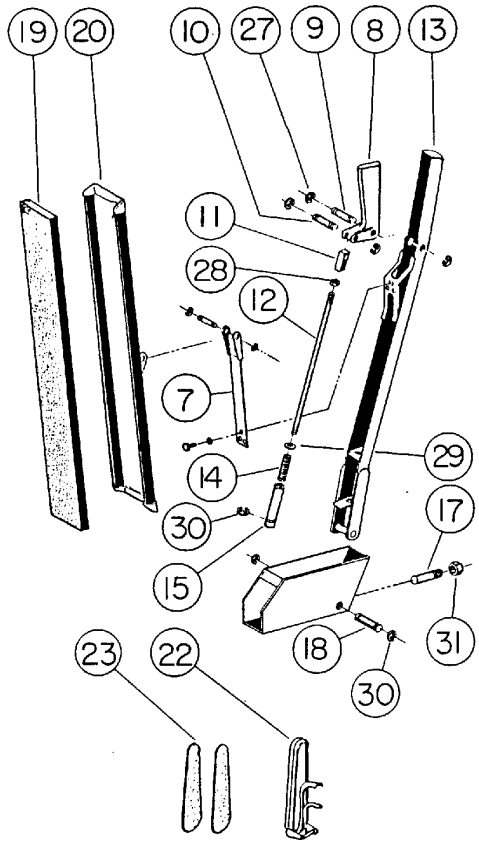
WHEN ORDERING PARTS OR MAKING INQUIRY, Specify Machine, Serial Number, Voltage and Current.



Ref. No.	Part No.	Description
1	F574	Side Outlet Elbow 1/2 x 1/2" x 1/2"
2	F1496	1/4" Copper Tubing
3	F573	Bushed Side Outlet Ass'y
4	F1490	Coil Assembly with Addition
5	SU65	1/4" Compression Nut
6	PU8	1/4" Compression Bead
7	F636	Adapter Fitting w/Lock Nut & Hose Adapter
8	SG114	4'-4" Water Hose Ass'y w/rubber bumper
9	SGO43	Water Spray Gun Only (overhead)
10	F590	Water Spray Gun Holder for Overhead Spray Gun w/mtg. hardware
11	F570	Water Spray Gun Holder for Pistol Type Spray Gun
12	SGP42	Water Spray Gun Only (Pistol type) (Specify top outlet)
13	F959	5/16" Compression Nut
14	F1491	Condenser Line
15	F646	Tubing Clamp
16	F647	Backing Plate
17	FG159	90° Compression Elbow w/nut & bead
18	F575	1/2" x 1/8" Pipe Bushing
19	390308250	5/16" Compression Bead (2 each)

FG137 Front Paddle Assy. 36” FG164 Rear Paddle Assy. 24”



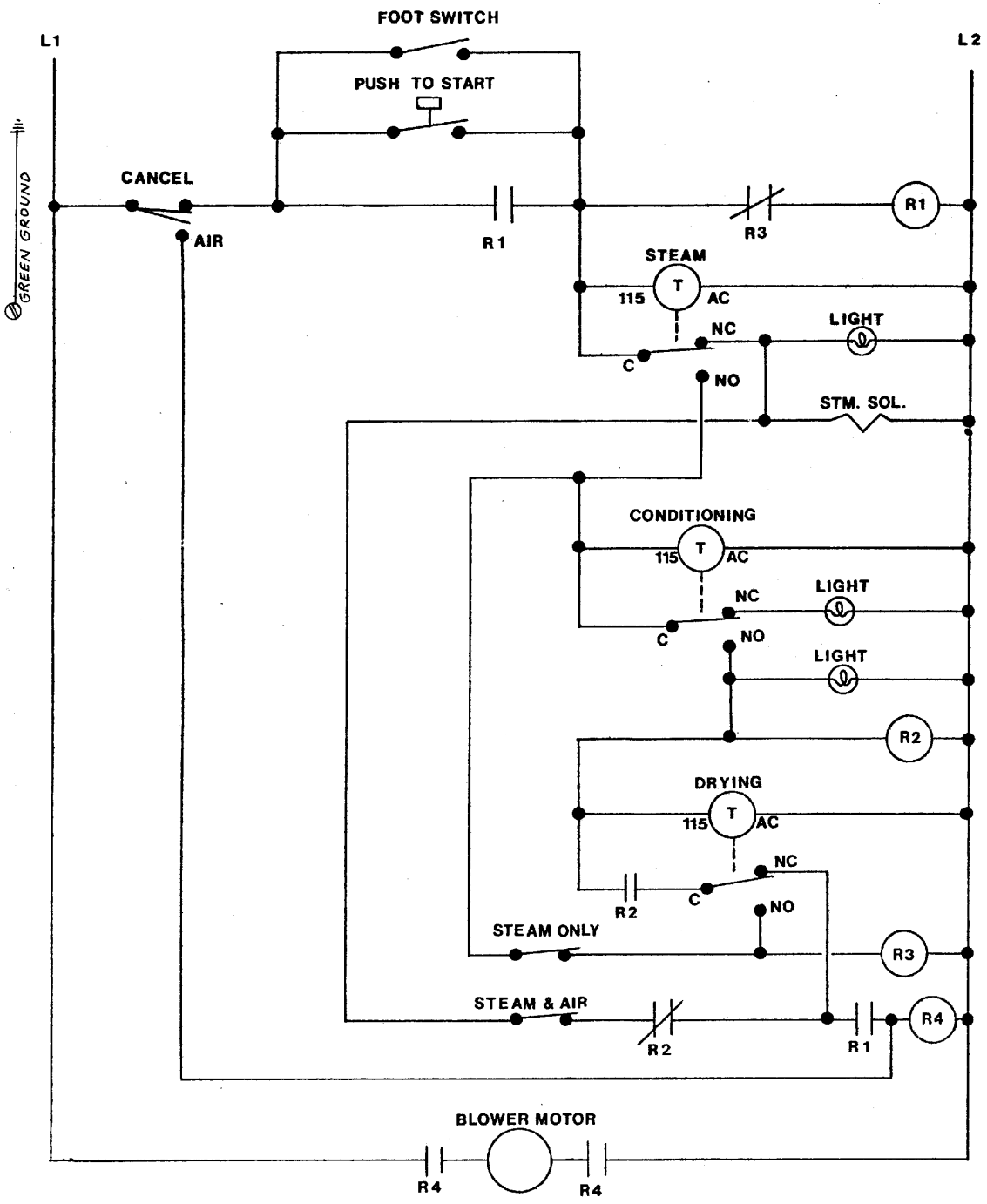


Ref. No.	Part No.	Description
	FG137	Front Paddle Assy. 36”
	FG164	Rear Paddle Assy. 24”
1	F433	Sponge (36”)
2	F432	Paddle Channel (36”)
3	F237	Clamp Slide
4	F243	Slide, Spring (2 Req'd.)
5	F515	Slide Pin (2 Req'd.) (1/8”)
6	F267	Pivot Pin (1/8”)
7	F218	Clamp Leaf Spring
8	F104	Handle Trigger
9	F949	Handle Pin (3/16”)
10	F1121	Rod Hinge Pin (3/16”)
11	F136	Rod Hinge
12	FG443	Latch Rod
13	FG135	Handle Welded Assy.
14	F197	Spring
15	FG450	Latch Pin
16	FG287	Clamp Base
17	FG277	Stud
18	FG288	Pin (3/8”)
19	F435	Sponge (24”)
20	F434	Paddle Channel (24)
21	F901	#10 - 24 x 3/8” Hex. Hd. Screw
22	F842	Vent Clamp
23	F858	Sandpaper & Sponge For F842
24	F24	#24 Sleever
25	F11	#11 Sleever
26	ET183	“E” Ring For 1/8” Pin
27	F888	“E” Ring For 3/16” Pin
28	F122	1/4” - 28 Brass Nut
29	F950	3/8” Cut Washer
30	F489	“E” Ring For 3/8” Rod
31	TU4787	3/8” - 16 Hex Nut
32	FB187	#10 Split Lockwasher

cissell

SCHEMATIC DIAGRAM
CISSI FORM FINISHER
240V OR LESS 50/60 HZ 1PHASE

FW 141

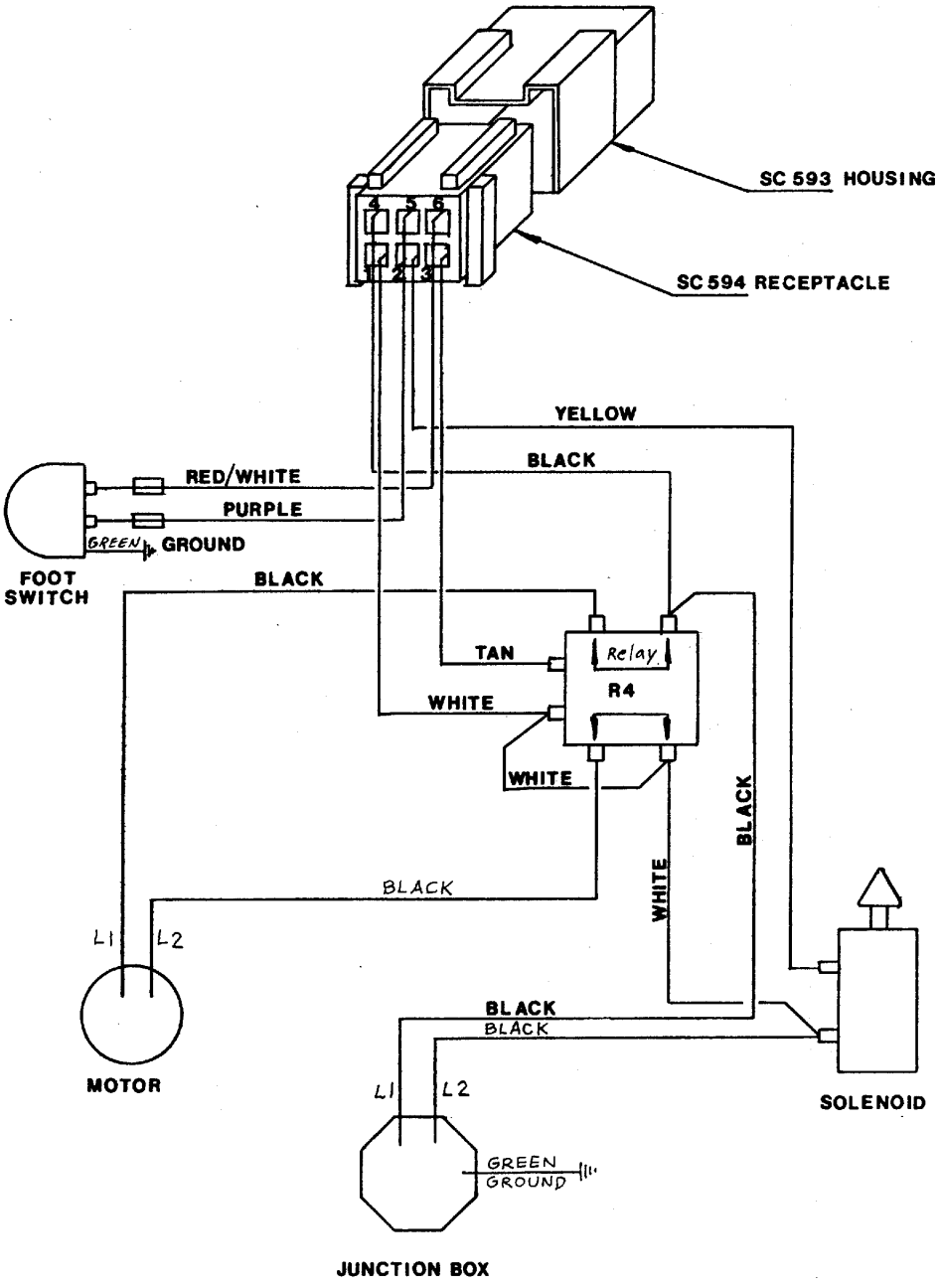


cissell

WIRING DIAGRAM

FW 138

CISSI FORM FINISHER
REAR BASE ASSEMBLY
240V OR LESS 50/60 HZ 1PHASE



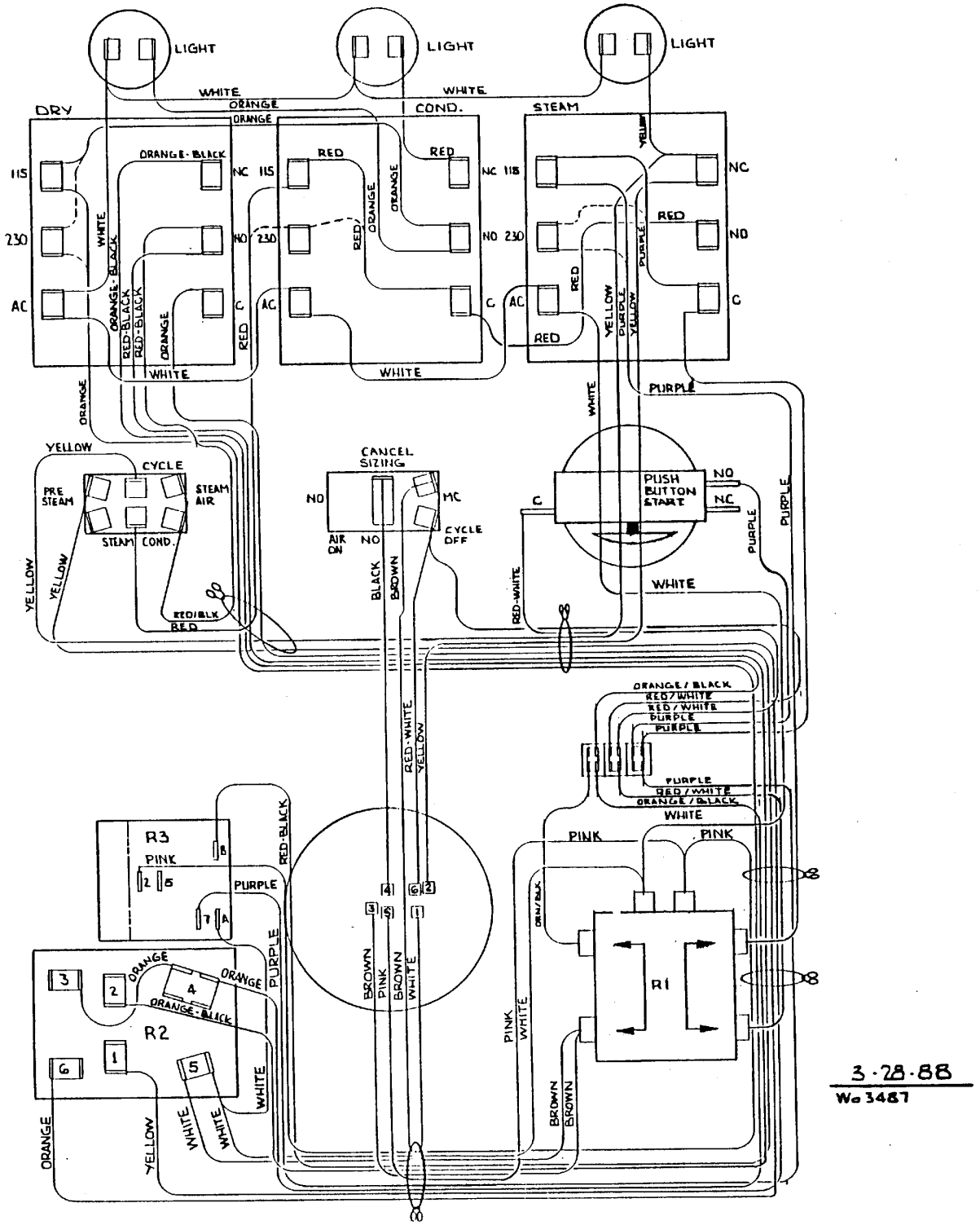
cissell MANUFACTURING CO.
P. O. Box 32270
Louisville, KY 40232 USA

European Headquarters: PANTEX-CISSELL B.V.
P.O. BOX 53, 9670 AB WINSCHOTEN, HOLLAND
TELEX 53535

WIRING DIAGRAM

FW133-A

CISSI FORM FINISHER
CONTROL BOX ASSEMBLY
240 VOLT OR LESS 50-60 HZ / 1-PHASE
(110 VOLTS SHOWN: COMPONETS MUST MATCH SUPPLY VOLTAGE)



3-28-88
Wo 3487