

Pants Topper

Model A

Model B

24 Volt

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.

MAN594 05/00 Part No. D0105

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

Warranty	2
Specifications, General Information	
Dimension Drawings	5
Steam Connection Instructions	
Steam Connections Illustration	7
Electrical Connections	8
Maintenance Instructions	9
Operating Instructions	10-12
Replacing Control Switches Instructions	
Air Pressure Control Operation	14
Installation of Bag and Boots	
Pants Topper Bag, Steam Leaks	16
Pleat Setter Cover Assembly and Adjustment	
Plastic Sleeve, Bearing Adjustment	
Motor and Blower Assembly Removal	
Belt Tension Adjustment, Pulley Alignment	
Installation of Foot Switch	
ILLUSTRATED PARTS	
Overall View	21
Overall View	
Motor and Blower Assembly	
Control Switches and Air Cylinder	
Piping and Tubing	
Solenoid Valve Parts	
Air Line Assembly	
Electric Control Box	
LICCUIT CONTROL DOX	
Wining Diagram	21

SPECIFICATIONS

Note: Specifications are subject to change without prior notice.

GENERAL INFORMATION

*IMPORTANT: The air line filter was removed from the machine for shipping. When installing the unit, fasten the air line filter to the regulator as shown in the "Air Line Assenbly" drawing in the Parts section of this manual.

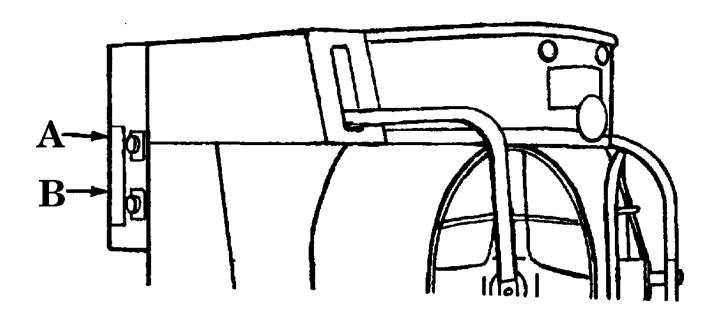
UNCRATING: Set crate upright, remove sides and top. Remove the two rear base bolts and lift from crate.

PROTECTIVE PLASTIC COVER: Do not remove plastic cover from the nylon pants topper bag until machine is installed and is ready for operation.

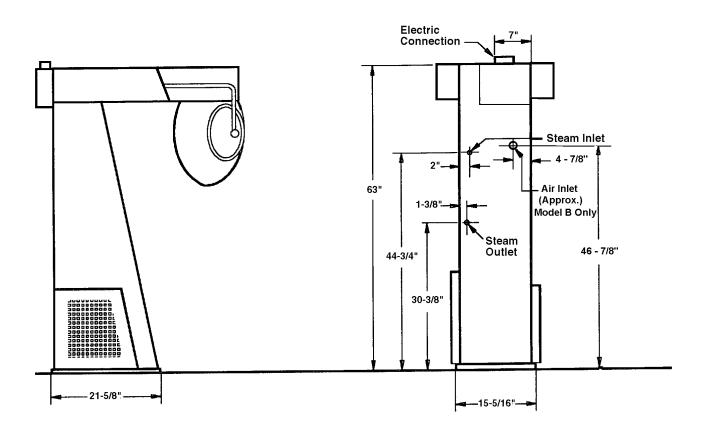
AUTOMATIC STEAM TIMER: The Automatic Steam Timer (A) is adjustable from 0 to 60 seconds, and is set at the factory for 4 seconds normal steaming. Adjust as required.

AUTOMATIC AIR TIMER: The Automatic Air Timer (B) is adjustable for 0 to 60 seconds and is factory set for 25 seconds for normal drying. Adjust as required.

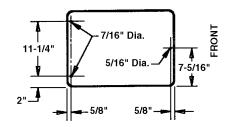
*MODEL BONLY



PANTS TOPPER - DIMENSION DRAWINGS



BASE MOUNTING HOLES



STEAM CONNECTIONS

Make Steam Supply and Steam Return connections as shown in Figure 2.

All horizontal runs must drain by gravity to respective Steam Header. Portions that connot drain to Header must drain by gravity to machine, without water pockets.

Each Steam Header must drain, by gravity, to boiler or condensate return tank.

To prevent condensate draining from Steam Headers to machine, make steam connections (to each respective Header) with a 12 inch or more <u>vertical riser</u>. <u>Do not make steam connections to a Header with a horizontal or downwardly facing tee or elbow</u>.

Water pockets, or an improperly drained steam line (or header), will provide wet steam, causing unnecessary wetting-out of buck padding.

Before installing check valve, trap and strainer, connect steam supply to machine from globe valve (A). Open globe valve (A) to flush any foreign matter that may be in castings or pipes; open globe valve (C) to flush foreign matter from return connections, then connect steam return from valve (C) to machine with check valve, trap, and strainer as shown. If steam is gravity returned to boiler, omit trap.

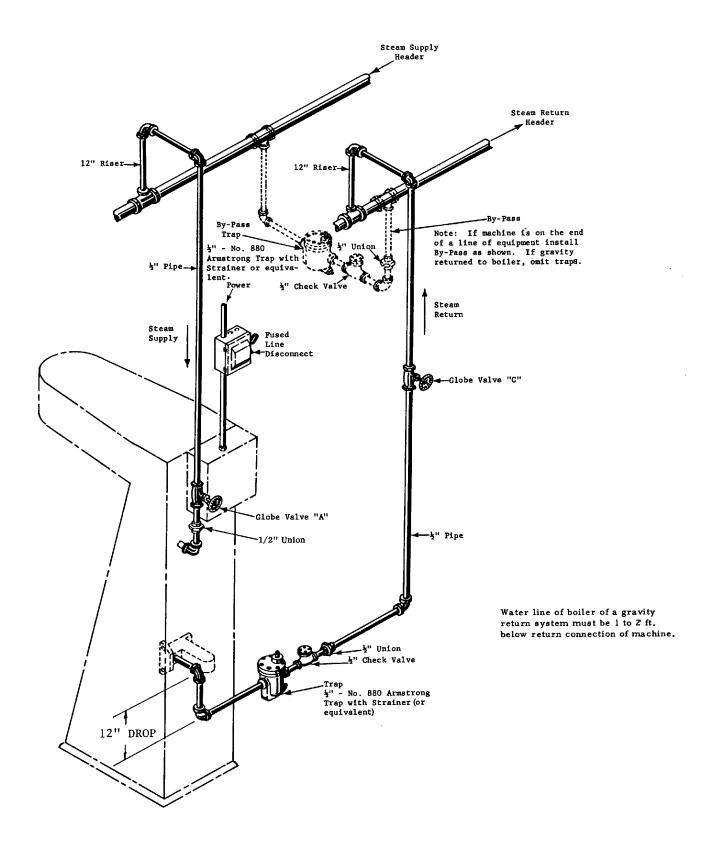
NOTE: For successful operation of machine, install trap as close to floor and as near machine as possible. Inspect trap carefully for inlet and outlet marks and install according to manufacturer's instructions.

IMPORTANT: A separate steam trap must be used with each machine.

CAUTION

BEFORE OPERATING PANTS TOPPER, OPEN GLOBE VALVES IN STEAM LINES. CHECK CAREFULLY FOR STEAM LEAKS, AND SEE THAT TRAP IS OPERATING PROPERLY. UNDER NO CIRCUMSTANCES SHOULD MACHINE BE OPERATED UNTIL HOT. OPERATING THE MACHINE COLD WILL WET THE NYLON BAG AND PADDING.

TO DRY A WET BAG OR PAD, DEPRESS THE "ON" MANUAL AIR SWITCH. AIR WILL OPERATE CONTINOUSLY UNTIL "OFF" AIR SWITCH IS DEPRESSED.



ELECTRICAL CONNECTIONS

THE STANDARD Pants Topper has single phase motors. Before installation, check nameplates on motor and control box for rated voltage and current specifications.

MAKE ELECTRICAL CONNECTIONS as indicated on wiring diagram attached to inside cover of electrical junction box on Topper. Voltage and current of power line must be the same as the Electrical Specifications of the motor, timers, relays, and solenoid.

FOR SINGLE PHASE CURRENT, connect power leads, L1 and L2, to an approved fused disconnect switch in power line.

TO CONNECT STANDARD, SINGLE PHASE MACHINE TO THREE PHASE CURRENT, connect power leads, L1 and L2, to any two terminals of an approved fused disconnect switch in the three phase power line.

FOR THREE PHASE CURRENT, connect power leads L1, L2, and L3 to the three terminals of an approved fused disconnect switch in the three phase power line. The motor must rotate clockwise when facing the belt and pulley. If rotation is incorrect, transpose any two leads connecting the power line, and rotation of motor will reverse.

IMPORTANT: Consult your local electrical code before making any electrical connections; be certain that the electrical installation conforms with all local requirements.

Always check wiring before closing the disconnect switch.

MAINTENANCE INSTRUCTIONS

<u>IMPORTANT</u> - Shut-off steam and electric power before performing Maintenance Operations. Compressed air should also be cut off.

ELECTRIC MOTOR LUBRICATION:

SLEEVE BEARINGS: Motors with wool-packed sleeve bearings are oiled at the factory for two years normal operation. After two years normal operation, add annually 1/2 teaspoon electric motor oil or SAE-10 to each bearing. For 24 hours per day operation, add one teaspoon of oil annually.

BALL BEARING: Motors having ball bearings are packed with sufficient grease for approximately TEN YEARS of normal operation. After ten years of normal operation, the bearings and housing should be cleaned thoroughly. Repack each bearing and the cavity back of the bearing 1/3 full with G. E. Ball Bearing grease.

CHECK VOLTAGE AND CURRENT:

Your Topper is wired for a given voltage and current as stamped on name plate. Motor, Timers, Relays and Solenoid are for Single Voltage and Single current only. If machine is to be operated on any voltage and current, other than apecified above, THE MOTOR, RELAYS, TIMERS AND SOLENOID MUST BE REPLACED WITH UNITS CORRESPONDING TO THE VOLTAGE AND CURRENT ON WHICH THEY ARE TO BE OPERATED.

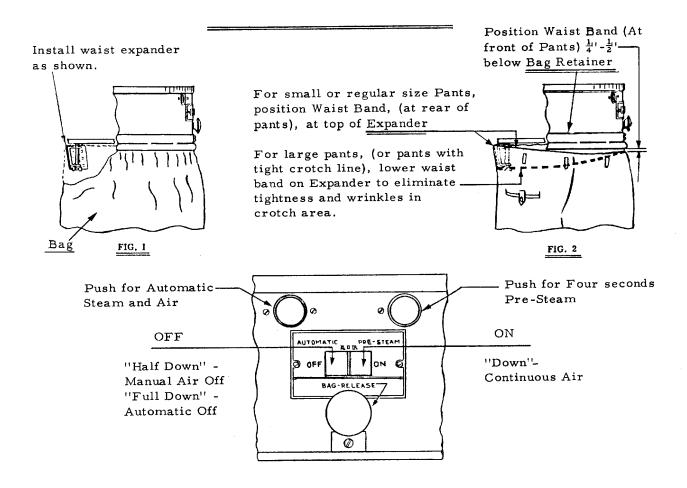
GENERAL CLEANING:

Every six months remove top cover, rear panel, front panel, blower and belt guards and clean thoroughly with a vacuum cleaner or air hose.

AIR LINE OIL LUBRICATOR (MODEL B)

Check Air Line Oil Lubricator and refill when less than half full. Use #10 weight oil.

POSITIONING PANTS ON TOPPER



OPERATING INSTRUCTIONS

- (A) At "Start-Up" (or after "Idle Periods" of operation) preheat before operating:
 - a. Lower pleat clamps onto padded buck; Operate Topper on "Manual Air" continuously for about one (1) minute.
- (B) Either PRE-STEAM or AUTOMATIC Steam-Air cycle may be cancelled by pushing "OFF" Air Switch fully down.
- (C) For Suede, Chamois or leather trimmed trousers, use manual air switch to provide air "while steaming", as full air pressure is required to hold pants taut during steaming cycle.
- (D) Tops Trousers, slacks, shorts (Lightweight or Heavyweight) sizes 28 to 50.

NOTE: Top small sizes, (including boys pants and small size ladies slacks) on 1M Puff Iron.

Top large sizes on end of utility press.

OPERATING INSTRUCTIONS MODEL A

CAUTION: Timer Adjustments

STEAM: Must not be greater than 6 seconds

(Average setting 4-5 Seconds)

AIR: Must not be less than 20 seconds (Average Setting 25 Seconds)

NOTE: Straighten Pockets; Button Pocket Flaps; Button or Snap front of Waist Band, But Do Not Close Zipper.

1. Grip rear top portion of bag and puff waist expander forward until it locks.

2. Lift trousers onto form, placing back center of waist band high onto waist expander.

Pull trousers forward; hook, button or snap front of waist band. Do not close zipper of pants.

- 3. Continue to hold forward tension on trousers and push "bag release" knob. Allow automatic tension of waist expander to draw front of trousers onto face of buck.
- 4. Adjust and center pants to highest position on buck. Align crotch; do not raise pants too high as crotch must remain loose in buck opening to prevent wrinkling of crotch area.
- 5. To soften pleats (Before making respective pleat lays), push PRE-STEAM BUTTON. Steam Timer controls pre-steaming automatically.

NOTE: Excessive moisture will de-lusterize Rayon acetates. This may be minimized by using "air" while steaming; or shortening of steam cycle by depressing fully "off"

air switch. Do not use the pre-steaming operation on rayon acetates.

- 6. Smooth out material and lay each pleat separately, working from fly toward pleat being layed. Align pleat with leg crease; close pleat holder. If too much material is encountered during laying of pleats, trousers are too high on the buck and too low on the rear expander. If too little material is available to lay the pleat properly, the trousers may be too low on the buck and too high on the expander.
- 7. Push AUTOMATIC Button. Steam and Air Timers control steam followed by air automatically.

Leg-out during the final phase of the automatic cycle of the Topper.

8. Place creased trousers on hanger and make necessary touch-ups on Puff Iron before placing pants on finish rail.

OPERATING INSTRUCTIONS MODEL B

CAUTION: Timer Adjustments

STEAM: Must not be greater than 6 seconds
(Average setting 4-5 Seconds)

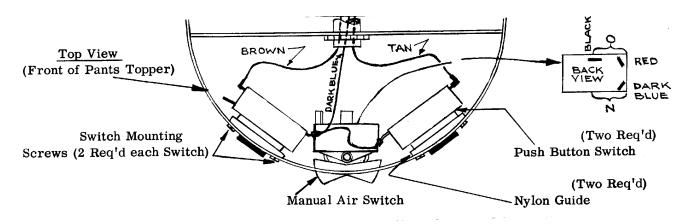
AIR: Must not be less than 20 seconds
(Average Setting 25 Seconds)

NOTE: Straighten Pockets; Button Pocket Flaps; Button or Snap front of Waistband if you desire, But Do Not Close Zipper.

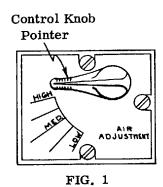
- 1. Step on foot switch and the waist expander moves forward automatically.
- 2. Lift trousers onto form, placing back center of waist band high onto waist expander. Pull trousers forward holding taught at fly.
- 3. Continue to hold forward tension on trousers, step off foot switch. Allow automatic tension of waist expander to draw front of trousers onto face of buck.
- 4. Lower waist clamp, clamp trousers to buck.
- 5. Adjust and center pants to highest position on buck. Align crotch; do not raise pants too high as crotch must remain loose in buck opening to prevent wrinkling of crotch area.
- 6. To soften pleats (Before making respective pleat lays), push PRE-STEAM BUTTON. Steam Timer controls pre-steaming automatically.
 - NOTE: Excessive moisture will de-lusterize Rayon acetates. This may be minimized by using "air" while steaming; or shortening of steam cycle by depressing fully "off" air switch. Omit pre-steaming operation.
- 7. Smooth out material and lay each pleat separately, working from fly toward pleat being layed. Align pleat with leg crease; close pleat holder. If too much material is encountered during laying of pleats, trousers are too high on the buck and too low on the rear expander. If too little material is available to lay the pleat properly, the trousers may be too low on the buck and too high on the expander.
- 8. Push AUTOMATIC Button. Steam and Air Timers control steam followed by air automatically.
- 9. Leg-out during the final phase of the automatic cycle of the Topper. To remove trouser from buck step on foot switch again.
- 10. Place creased trousers on hanger and make necessary touch-ups on Puff Iron before placing pants on finish rail.

REPLACING THE CONTROL SWITCHES

- 1. Refer to illustration.
- 2. Cut off steam and electrical supply. Allow machine to cool.
- 3. Remove top panel.
- 4. Disconnect switch leads.
- 5. Remove switch mounting screws.
- 6. Remove old switches and nylon spacers.
- 7. Install new switches and spacers in reverse order.



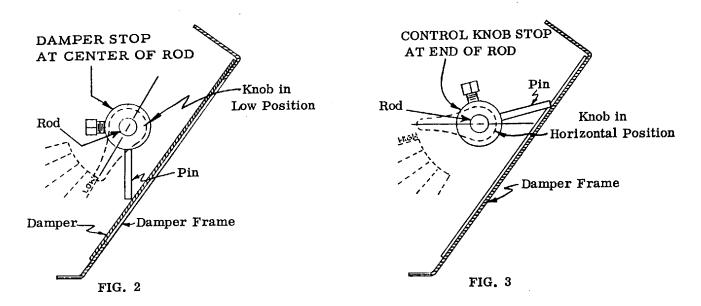
AIR PRESSURE CONTROL OPERATION



Normally, set the air pressure control knob horizontally in the position illustrated, (Fig. 1).

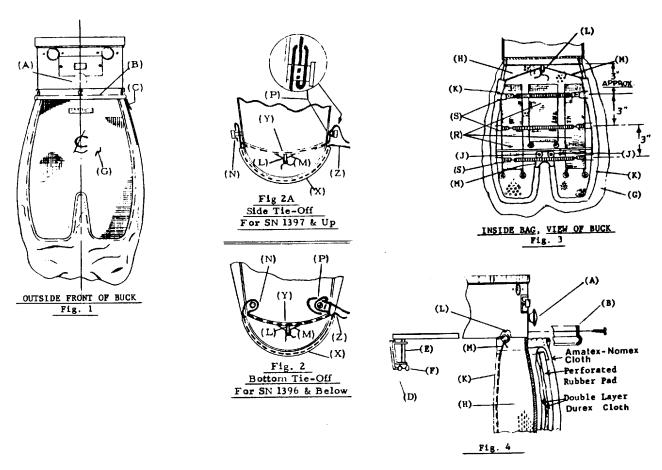
For light weight materials (which may be stretched), set the control knob in the LOW position, (or to any intermediate position), to give the desired air pressure. If 'desired, the topper may be operated continuously with the control knob set in a postion providing the air pressure found most suitable by the operator.

INSTRUCTIONS FOR OPERATING AIR PRESSURE CONTROL



- Turn off electric power and remove Top Cover.
 Note: Check to see that the set screw of the Knob is tighten securely against the flat on the end of the rod.
- 2. Place the pointer of the control knob at the low position (Fig. 2), with damper fully closed, push the pin on the damper stop (in center of rod) down until it hits the damper, tighten set screw securely.
- 3. Rotate the pointer upward until the knob is in a horizontal position (Fig. 3), push the pin on the control knob stop (on the end of rod) against the damper frame as shown in Fig. 3. Tighten set screw securely.

INSTALLATION OF BAG & BOOTS



- 1. Place bag in position on buck, Fig. 1. Center top edge of Pants Topper bag with center of waist clamp (A). Install retainer (B) over drawstring sheath (X), Fig. 2 or 2A. Tighten three sheet metal screws. Open zipper (C) Fig. 1.
- 2. Loop drawstring over spool (N) Fig. 2 or 2A. Place drawstring sheath in groove (Y). Loop drawstring around spool (P) as shown; pull loose ends of drawstring tightly and tie-off at(Z).
- 3. Place expander assembly (D) Fig. 4 inside of bag on slide stud (E) and fasten securely with wing nut (F).
- 4. Align Pants Topper Bag (G) on buck (Fig. 1). Slip drawstring (M) over spool (J)Fig. 3. Pull drawstrings tight toward top of buck so that drawstring sheath (K) is equally distributed around outer edges of perforated metal buck (H). Holding strings tight, tie-off to eyelet (L).
- 5. Install Buck springs (S) by placing hooks over drawstring through sheath (K) as illustrated in Fig. 3.

INSTALLATION OF BOOTS

Pull boots (R) Fig. 3 up for removal. To install new boots, pull down over frames. See that boot frames are tight against buck.

PANTS TOPPER BAG

KEEP BAG CLEAN. In operation, bag collects dust, lint, etc., greatly reducing its efficiency. Launder bag at frequent intervals as determined by its soiled condition.

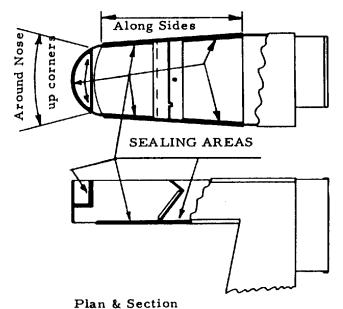
The Cissell Pants Topper bag has a double liner to extend pad life and to distribute steam uniformily.

REPAIR HOLES OR WORN SPOTS in bag to extend its useful life: REPLACE when worn beyond repair. A defective or worn bag will cause topper to operate unsatisfactorily. KEEP A SPARE BAG IN STOCK.

CAUTION

Use only genuine CISSELL bags. The fabric for the Cissell Bag is especially woven (and cut to an exact pattern) to give the correct porosity and shape for proper steaming and drying. Rember, your CISSELL PANTS TOPPER depends on the bag for proper operation.

Correct padding is necessary to obtain proper finishing. The Cissell buck pad is constructed of a high, heat-resisting synthetic air foam, and <u>perforated</u> for rapid steaming and full air flow through entire buck area. Replace a worn-out pad only with a Cissell <u>perforated pad.</u> Keep a spare pad in stock. <u>Do not use more than 1 pad.</u>



RESEALING EDGES FOR STEAM & CONDENSATE LEAKS

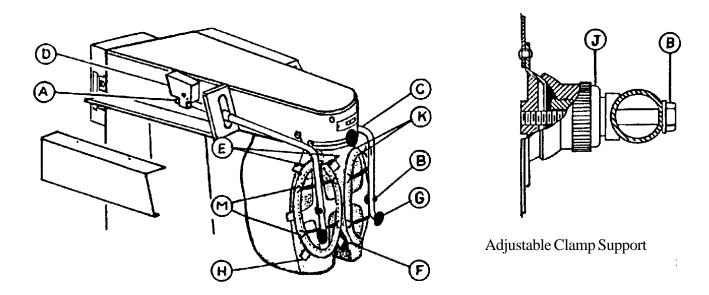
When leak appears:

- 1. Remove top.
- 2. Using sealing compound Permatex #2 or equivalent; (3 oz. tubes available from factory).

Generously apply sealing compound evenly along area of "Leak". Allow sealing compound to set and air dry for approx. 2 hours before putting topper back in service. Sealing compound will not harden. If necessary, remove switches from control box in Nose, when fixing leaks in this area.

PLEAT SETTER COVER ASSEMBLY INSTALLATION

- 1. Place cover over pleat clamp (E), pull draw strings (K) tight and tie. See illustration below.
- 2. Hook one end of each pleat clamp spring (M) on left side of cover, pull tight and hook on right side.

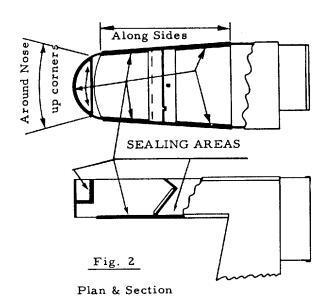


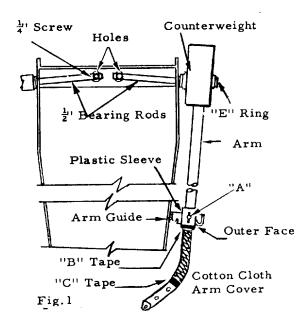
OVAL PLEAT CLAMP ADJUSTMENT WITH ADJUSTABLE CLAMP SUPPORT REFER TO ILLUSTRATION ABOVE.

- 1. Remove cover from side of unit. Loosen cap screw (A) in arm expander and cap screw (B) in adjustable support.
- 2. Rotate and slide arm (C) in counterweight (D) to position pleat clamp (E) on buck. Place pleat clamp in vertical position and align inside edge of pleat clamp with edge of buck crotch (F).
- 3. Apply pressure on arm knob (G) to provide pressure between pleat clamp (E) and buck. Hold pressure and retighten cap screw (A) of arm expander.
- 4. With a thin card (H) check uniformity of pressure between edges of pleat clamp (E) and buck. If unequal, rotate pleat clamp slightly to obtain a uniform pressure around all edges.
- 5. Re-tighten nut (B) of adjustable support. Note: Whenever tightening nut (B), do not apply pressure to knob (G) or arm (C), as this will distrub the pleat clamp setting.
- 6. Top a pair of trousers.
 - A. If pleat clamp (E) makes an impression (too tight), loosen cap screw (B) and rotate adjustment nut (J) counter-clockwise to reduce pressure. Retighten cap screw (B).
 - B. If pleat clamp does not hold pleat (too loose), loosen cap screw (B) and rotate adjustment nut (J) clockwise to increase pressure. Retighten cap screw (B).

NOTE: Each pleat clamp must engage the padded buck uniformily with a slight pressure. Heavy pressure may produce a hard finish and show seam imprinting. A very light pressure may allow pleat lay to shift during the air cycle, and show wrinkles with an improperly shaped pleat. Adequate holding of the pleat lay during the air cycle is aided by the surface texture of the pleat clamp and the buck cover.

PLASTIC SLEEVE, BEARING ADJUSTMENT





PLASTIC SLEEVE POSITION AND TAPING FIG. 1

- 1. Position plastic sleeve on arm in center of arm guide, and align slot with hole in arm. Fasten plastic sleeve securely with #8 Tap Tight Screw at "A" (Fig. 1).
- 2. Position end of cloth arm cover in contact with end of plastic sleeve.
- 3. Using Scotch Brand pressure sensitive Tape #471 or equivalent; (Tape available from Factory)

Tape Plastic Sleeve at "B" securely attaching end of Sleeve to cloth arm cover.

(Minimum 2-3 wraps)

Pull end of cloth arm cover at "C" to remove slack.

Tape cloth arm cover at "C" securely attaching end of cover to arm.

BEARING ADJUSTMENT FIG. 1

To Adjust Bearing:

- 1. Remove Top
- 2. Loosen 1/4" machine screw holding the bearing rod to the metal bracket.
- 3. Slide screw in hole of bracket to bring the plastic sleeve into contact with the outer face of the arm guide.
- 4. Hold the "E" Ring on the Bearing Rod against outer face of counterweight and retighten 1/4" screw.
- 5. Re-install top on machine.

RESEALING EDGES FOR STEAM & CONDENSATE LEAKS FIG. 2

When Leak Appears:

- 1. Remove Top
- 2. Using sealing compound Permatex #2 or equivalent:

(3 oz. tubes available from factory)

Generously apply sealing compound evenly along of "Leak".

Allow sealing compound to set and air dry for approx. 2 hours before putting Topper back in service. Sealing compound will not harden.

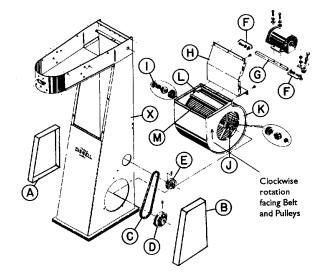
If necessary, remove switches from control box in Nose, when fixing leaks in this area.

MOTOR AND BLOWER ASSEMBLY REMOVAL

IMPORTANT: Before performing service, turn off power, close steam lines and allow machine to cool.

- 1. Remove Blower Guard (A) and Belt Guard (B).
- 2. Remove Belt (C) and Sheaves (D) & (E).
- 3. Remove wires from motor.
- 4. Remove Screw, Lockwasher, and Washer (F) from both ends of Motor Support (G). Remove Motor and Support from Housing (X).
- 5. Remove Rear Access Panel (H).
- 6. Remove Thrust Collar (I) from Blower Shaft (J).
- 7. Remove Blower Housing (K).
- 8. Remove Cut-Off Panel (L) and lift Blower Wheel (M).

NOTE: To re-install, reverse procedure. When placing Blower Wheel in Housing, be sure blades are cupped towards rectangular opening. Be sure that the two sheaves have the set screws facing the outside.



BELT TENSION ADJUSTMENT AND PULLY ALIGNMENT

Improper belt tension or misalignment of pulleys may cause bearing and/or belt failures

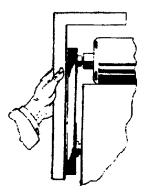
The illustration at the right indicates recommended belt tension, determined by grasping the belt as shown and when normal pressure is applied, a deflection of approximately one inch will occur.

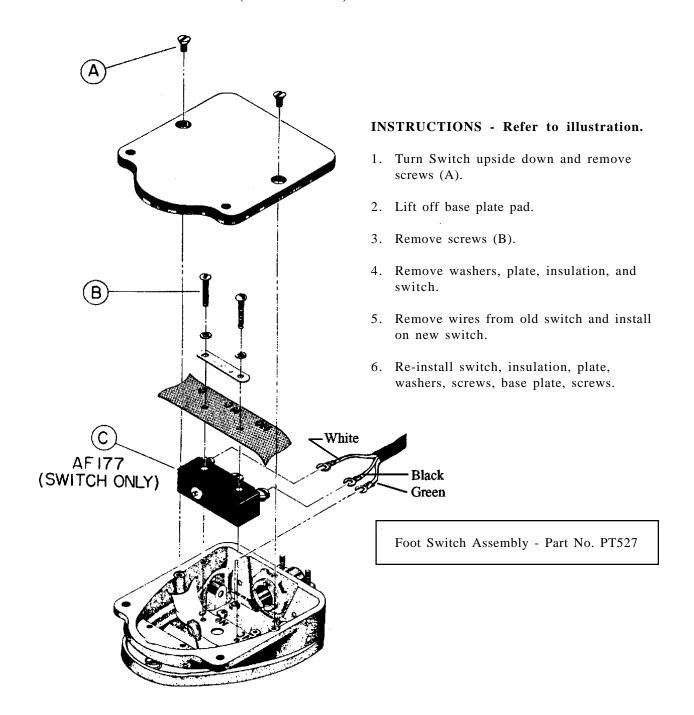
If the deflection is much more than indicated, slippage may occur and wear out the belt.

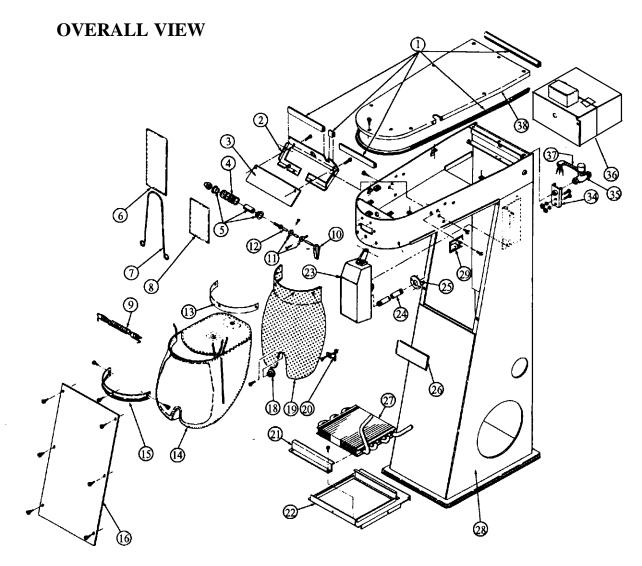
If deflection is less than indicated, the belt is too tight and will shorten the life of the bearings. Excessive tension will actually pull the shaft through the oil film and allow metal to metal contact. Noisy blower operation will also occur.

The illustration at the right shows the preferred method for checking correct alignment of the pulleys. Excessive misalignment produces increased belt wear and can produce lateral motion of the wheel and shaft to the point that considerable noise can develop.







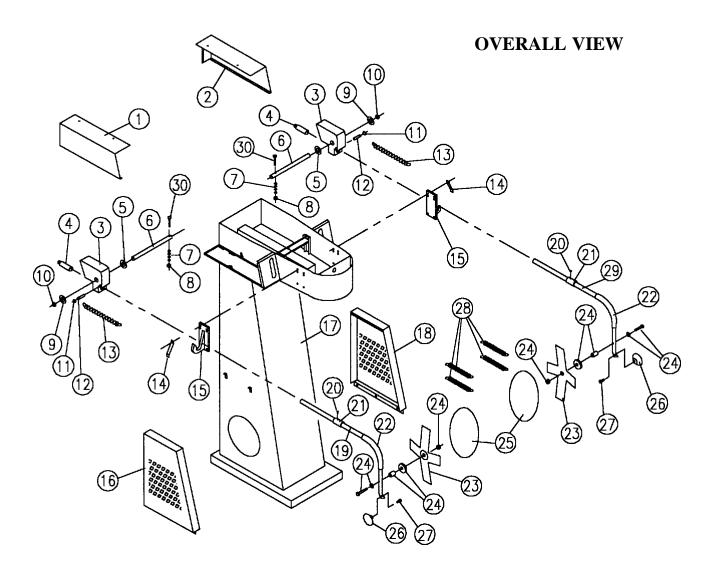


Ref. No. Part No. Description

Ref. No. Part No. Description

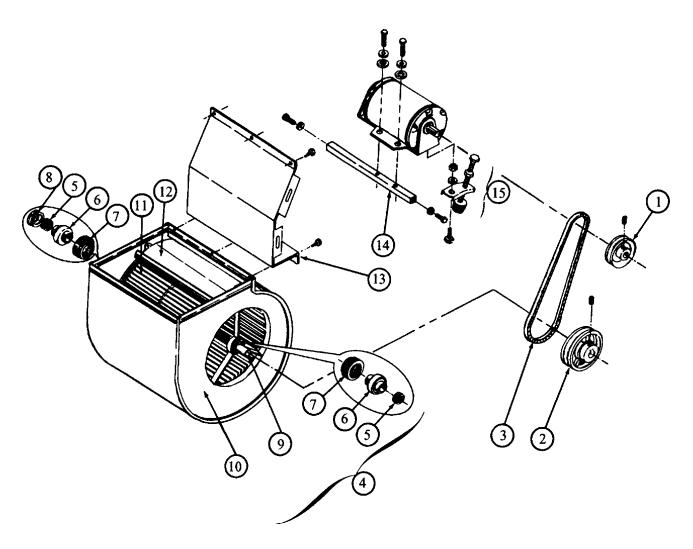
1	PT143	Steam Seals	22	PT153	Steam Coil Support
2	PT500	Damper Frame	23	PT97	Steam Chamber
3	PT499	Damper	24	F226	Pipe, 1/2" x 7"
(2,3,hdw	r)PT502	Damper Frame Asm	25	F225	Spacer Ring
4	V345	Spring	26	TU8013	Cissell Nameplate
5	PT116	Spring Glands & Sleeve	27	PT29	Steam Coil
6	PT22	Large Steam Boot	28	PT596	Housing
7	PT20	Large Boot Rod	29	PT109H	Air Adjustment Plate
8	PT548	Small Steam Boot	34	PT108	Valve Bracket
9	PT52	Spring	35	F1289	Solenoid Valve, 24V
10	PT146	Damper Adjustment Knob	36	PT706	Control Box, 120V
11	PT113	Damper Stop w/screw	37	PT398	3\8" x 5" cable
12	PT144	Damper Adjustment Rod	38	PT2	Housing Top
13	PT127	Steam Shield			
14	PT474	Bag/Pad Assembly			
15	PT75	Bag Retainer			
16	PT3	Front Panel			
18	PT8	Spool Guide			
19	AT348	Buck			
20	PT23	Coil Clamp			
21	PT6	Coil Holder			
			D 01		

Page 21



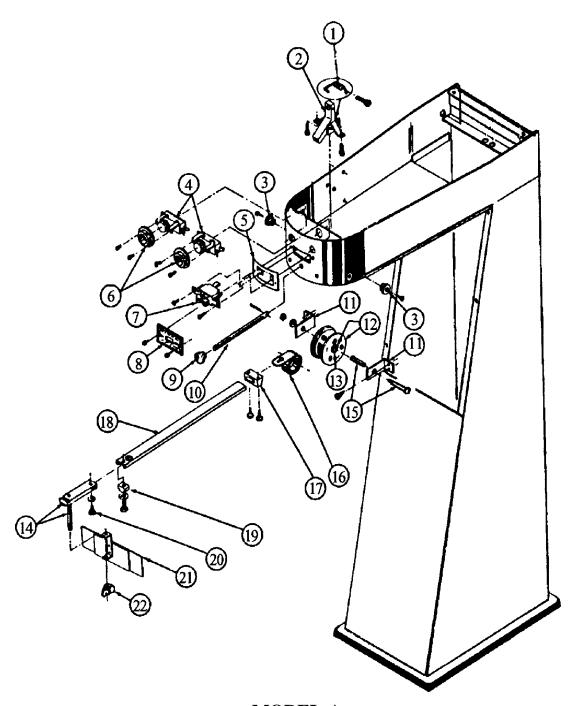
Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
1	PT549	Left Arm Cover	17	PT596	Housing
2	PT613	Right Arm Cover			
3	PT551	Counterweight	18	PT559	Belt Guard
4	PT57	Arm Expander	19	PT557	Left Arm
5	PT563	Pivot Spacer	20	TU7733	#8 x 1/2" Screw
6	PT552	Shaft	21	PT31	Plastic Sleeve
7	P104	Washers	22	PT589	Arm Cover
8	TU4934	1/4" Hex Nut	23	TP165	Long Spider
9	IB76	Bearings	24	PT166	Support Assembly
10	PT211	"E" Ring	25	PT32	Oval Pleat Clamp
11	SG053	"E" Ring	26	PT42	Arm Knob
12	PT595	Pin	27	601603103	1/4 - 28 x 1/2" Hex Screw
13	PT594	Spring	28	PT52	Clamp Spring
14	TU2105	Activator Spring	29	PT588	Right Arm
15	PT624	Arm Latch	30	FG267	1/4 - 20 x 1 1/4" Hex Screw
16	PT558	Blower Guard			

Page 22



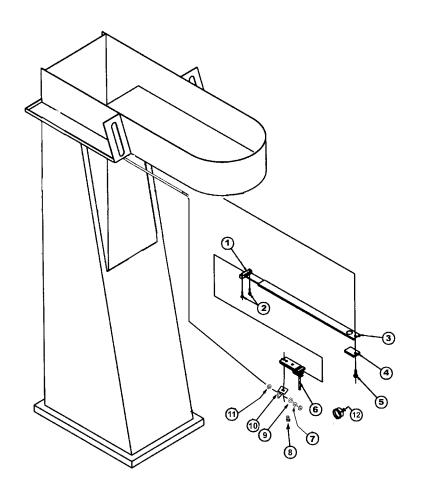
MOTOR AND BLOWER ASSEMBLY

Ref.N	o. Part No.	Description	
1	TU2318	Motor Sheave (110V)	
	F1034	Motor Sheave (220V)	
2	F1033	Gear Sheave (60HZ)	
	PT219	Gear Sheave (50HZ)	
3	PT87	V-Belt (60HZ)	
	PT227	V-Belt (50HZ)	
4	PT80	Blower Assembly	
5	F374	Thrust Washer	
6	F371	Bearing Assembly	
7	F373	Bearing Insulator Cup	Z
8	F372	Thrust Collar	
9	F366	Shaft, 3/4" x 16 1/2"	
10	PT89	Blower Housing	
11	F368	Blower Wheel	
12	F367	Cut-Off Assembly	
13	PT180	Rear Access Panel	
14	PTA47	Motor Support	
15	F365	Belt Adjustment Assembly	
	MTR74	110V/60HZ	
	MTR88	220V/50-60HZ	
		Page 23	



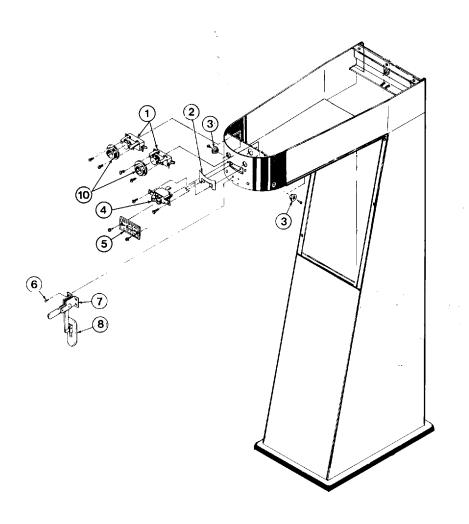
MODEL A

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
1 2	PT49 PT68	Release Latch Spring Release Latch Assembly	12 13	PT71 TU49	Spring Bobbin w/bearings Bearings
3	PT164	Drawstring Tie-off	14	PT28	Slide Assembly
4	TU9028	Push Button Switch	15	PT152	Bearing Spacer
5	PT142	Air Switch Support Plate	16	PT46	Negator Spring
6	PT107	Switch Spacer	17	PT61	Spring Guide
7	PT74	Manual Air Switch	18	PT27	Track
8	PT18	Control Plate	19	PT63	Slide Stop
9	OP182	Control Knob	20	PT62	Spring Lock Pivot Screw
10	PT44	Bag Release Rod	21	AT397	Waist Expander Assy.
11	PT72	Bobbin Mounting Bracket	22	PT34	Wing Nut
			Page 24		



MODEL B

1.10222			
Part No.	Description		
653227045	Track Support		
TU3486	#8 x 1-1/4" Screw		
PT27	Track		
PT657	Slide Channel		
PT357	1/4" - 20 x 3/4" Bolt		
PT28	Slide Assembly		
TU2846	1/4" Split Lock Washer		
PT62	Spring Lock Pivot Screw		
TU2847	1/4" Flat Washer		
PT693	Bracket, Attachment		
TU4934	1/4" - 20 Hex Nut		
PT696	Nut, Mounting Cylinder		
	653227045 TU3486 PT27 PT657 PT357 PT28 TU2846 PT62 TU2847 PT693 TU4934		

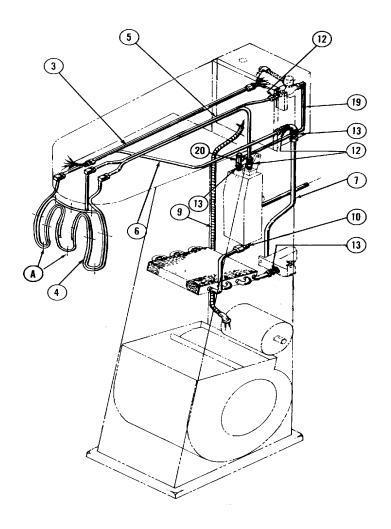


CONTROL SWITCHES MODEL B

Ref.No.	Part No.	Description
1	TU9028	Push Button Switch
2	PT518	Support Plate
3	PT164	Drawstring Tie Off
4	PT74	Manual Air Switch
5	PT517	Control Plate
6	TU7733	#8 x 1/2" Self-Drill Screw
7	PT526	Waist Clamp Arm Assembly
8	PT524	Waist Clamp
	PT530	Cloth Cover
9	PT34	Wing Nut
10	PT107	Switch Spacer

PIPING AND TUBING

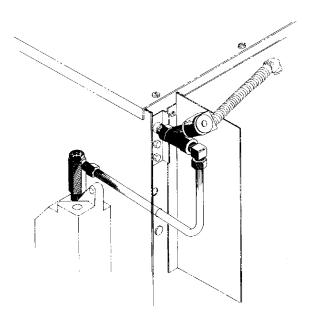
Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
1	PT9	Spray Bin Pipe w/Elbow	12	SF59	1/4 x 3/8 Straight Conn. (3)
		& Adapter	13	FB75	3/8 x 1/2 Straight Conn. (4)
2	PT17	Spray Gun Manifold	14	J 3	Small Hose Clamp
3	PT45	Control Switch Conduit	15	OP329	Large Hose Clamp
		w/Connectors	16	SG37	Water Hose Assembly (5')
4	PT91	Buck Steam Coil Assembly	17	SG38	Suspension Spring
5	PT92	3/8" Upsteam & Preheat Tube	18	SGP42	Spray Gun-Pistol Type
6	PT533	3/8" Pre-Steam Return Tube	19	PT923	1/2" Copper Tube
7	PT94	1/2" Steam Return Tube	20	PT343	Strainer Assembly
8	PT95	1/4" Water Supply Tube		PT342	Strainer Body
9	PT98	Motor Cable		PT131	Strainer Cap
10	PT99	1/2 x 1/2 Elbow Fitting		PT132	Strainer Gasket
				PT133	Strainer Screen



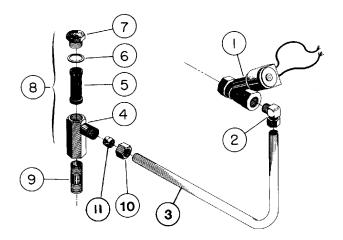
Note "A": Location of PT-23 coil header, to attach PT-91 coil to i n s i d e surface of AT348 Buck.

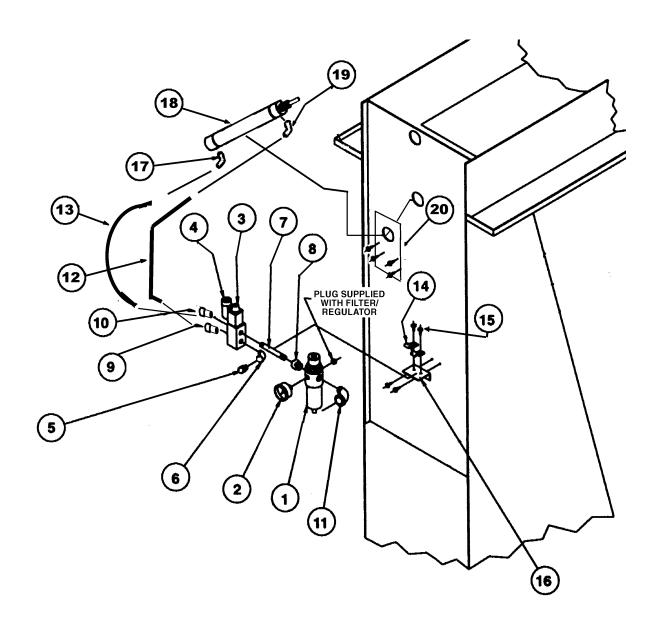
SOLENOID VALVE PARTS

Ref.No.	Part No.	Description
1	F1289	Valve - 24V, 50/60 Hz.
2	PT344	Elbow - 3/8" M.P.T. x 1/2" O.D.T. w/Fittings
3	PT340	1/2" O.D. Tube
4	PT342	Strainer Body
5	PT133	Strainer Screen
6	PT132	Strainer Gasket
7	PT131	Strainer Cap
8	PT343	Strainer (Complete)
9	PT345	Pipe Nipple - 2" x 3/8"
10	P279	1/2" Compression Nut
11	FB145	1/2" Compression Bead



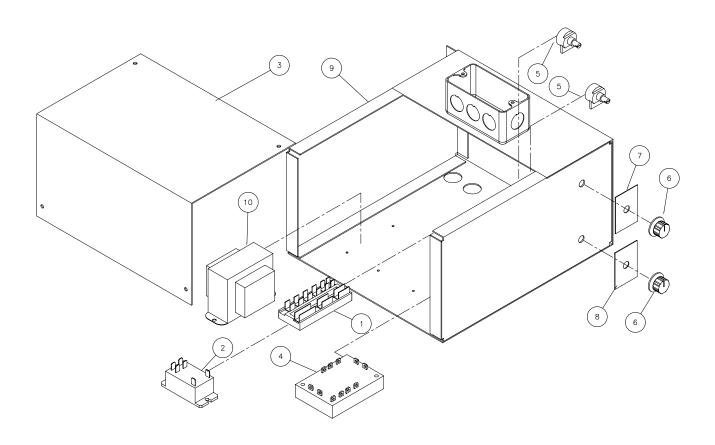
INSTALLATION & LOCATION





MODEL B

Ref.No.	Part No.	Description	Ref.No.	Part No.	Description
1 2	PT663 OP433	Filter/Regulator Pressure Gauge	12		21" Tubing
3	PT659 PT674	Air Solenoid Valve-110V Air Solenoid Valve-220V	13 14 15	136158394 P23 TU7733	16" Tubing Coil Clamp
4 5	PT662 PT661	Conduit Connector Speed Control Muffler	16	PT665 OP437	Self-Tapping Screw Support Air Supply
6 7	FG142 PT666	90° Street Elbow (1/8") 3" Lg. 1/8" Blk. Pipe Nipple	17 18 19	PT691 OP437	90° Fitting Cylinder, Air
8 9	BR61 OP297	1/4" to 1/8" Red. Bushing Fitting	20	PT690 PT665	90° Fitting Bracket, Mounting Air Pining Asm. 120v
10 11	OP436 PU135	90° Fitting 90° Fitting 1/4"	*	PT675	Air Piping Asm - 120v Air Piping Asm - 220v



PT706 24V CONTROL BOX

Ref.No.	Part No.	Description
1	EA-00606-0	Terminal Board
2	F1300	Motor Relay
3	PT681	Cover
4	PT698	Electronic Controller
5	PT699	Pottentiometer (2 req'd)
6	PT700	Knob (2 req'd)
7	PT701	Layout (Steam)
8	PT702	Layout (Air)
9	PT705	Cover
10	TU15138	Transformer (115/208-240/24V)
	PTH100	Wire Harness (Not Shown)



WIRING DIAGRAM

PTW100

PANTS TOPPER MODEL A AND B 24 VAC CONTROLS

