cissell

50 lb. (Skid Mtd.) Laundry Dryer

MODEL

L36SMS30

OWNER'S MANUAL

Cissell Manufacturing Company

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D0600

IMPORTANT NOTICE

For optimum efficiency and safety, we recommend that you read the owner's manual before operating this equipment. Store the manual in a file or binder and keep for future reference.

Information in this manual is subject to change without further notice.

WARNING

This dryer must be used only for water washed fabrics.

To avoid fire hazard, do not dry articles containing foam rubber or similarly textured rubber-like materials. Do not put into this dryer flammable items such as baby bed mattresses, throw rugs, undergarments (brassieres, etc.) and other items which use rubber as padding or backing. Rubber easily oxidizes causing excessive heat and possible fire. These items should be air dried.

Do not store or use gasoline or other flammable vapors or liquids in the vicinity of this appliance. NOTE: The purchaser is to post this warning in a prominent location.

In the event the user smells gas, instructions on what to do must be posted in a prominent location. This information can be obtained from the local gas supplier.

CAUTION

A clothes dryer produces combustible lint and should be exhausted outside building. The dryer and the area around the dryer should be kept free of lint.

Be safe -- Shut main power off externally to machine before servicing.

Synthetic solvent fumes from drycleaning machines create acids when drawn through the dryer. These acid fumes cause rusting of painted parts, pitting of bright plated parts and completely removes the zinc from galvanized metal parts, such as the tumbler basket. If drycleaning machines are in the same area as the tumbler, the tumbler's make-up air must come from a source free of solvent fumes.

FOR YOUR SAFETY

Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

CISSELL DRYER 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 two (2) years 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 two (2) years due to normal wear and tear; and with respect to all new repair or replacement parts for Cissell equipment for which the two (2) 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 indentification 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.

PRINTED U.S.A.

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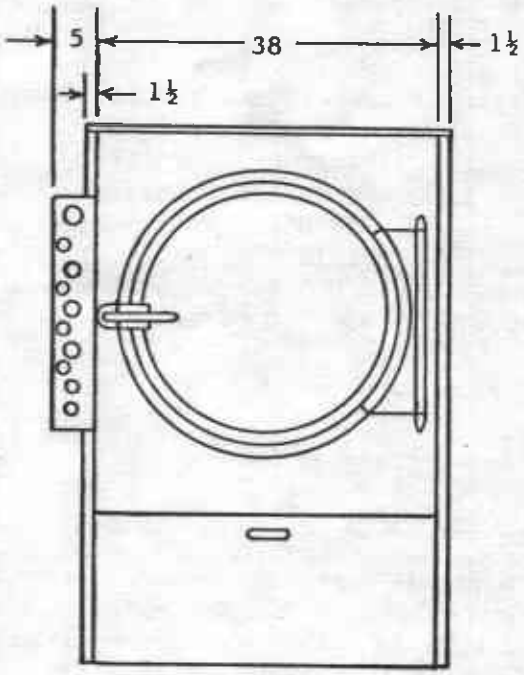

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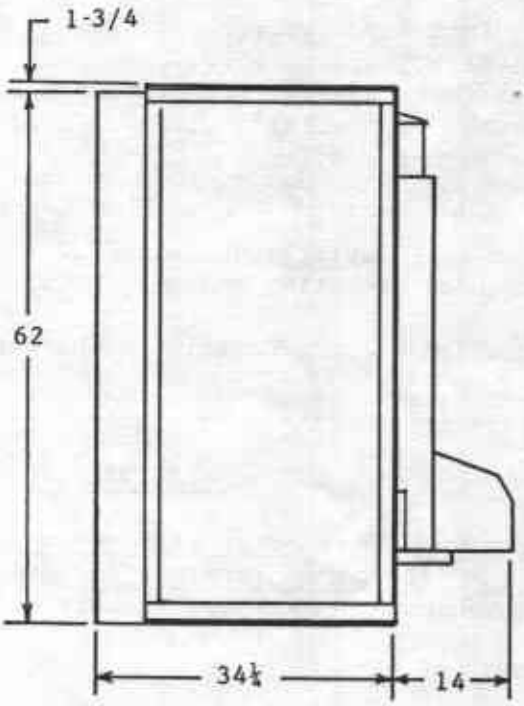

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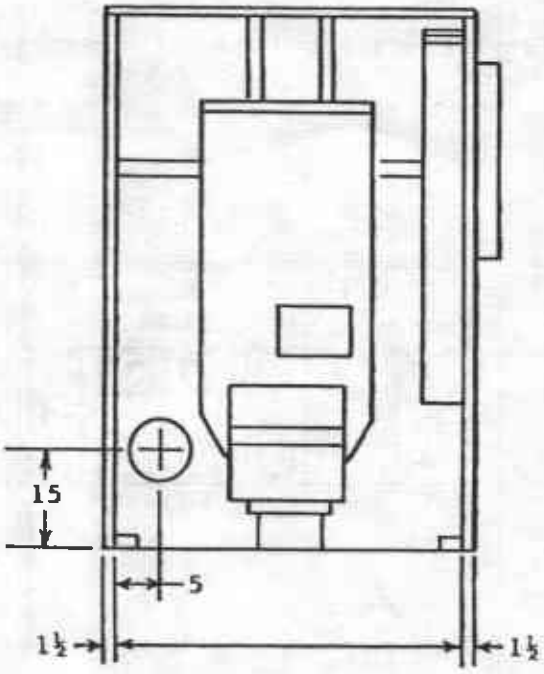

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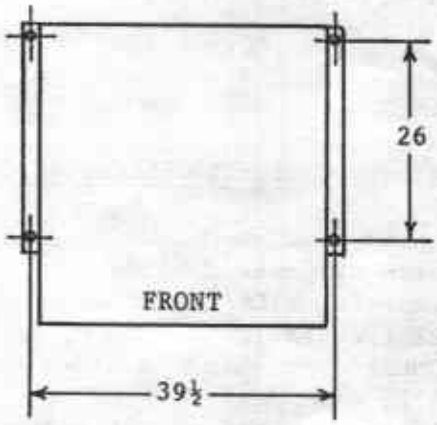


BASE MOUNTING HOLES - 1/2" DIA.

ALL DIMENSIONS IN INCHES ± 1/4

SPECIFICATIONS L36SMS30

Basket Load Capacity	50 lbs. Dryweight
Basket Size	36in. Dia. x 30in. Deep
Exhaust Duct Opening	8 in. Dia.
Motor (MTR202 Special) for Basket and Fan	115/208-230 Volts, 60 Cycle, 1 Phase, 3/4 H.P., Motor Amps.- 7.2/3.6
Maximum Air Displacement	800 C.F.M.
Recommended Operating Range	630-730 C.F.M.

Recommended Heating Capacity - Customer Supplied Heat Source

B.T.U. ..... 130,000/HR.

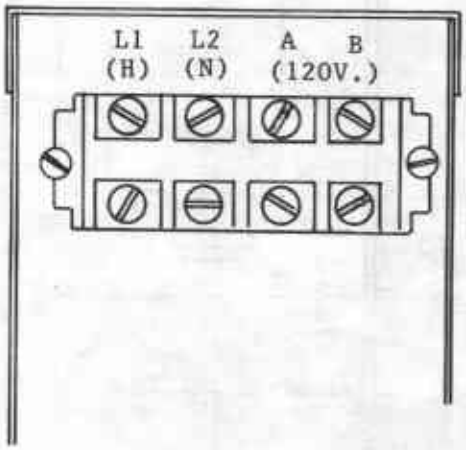
ELECTRICAL CONNECTIONS - ALL DRYERS

Dryers must be electrically grounded - by a separate #14 or larger green wire from the grounding terminal within the service connection box. In all cases, the grounding method must comply with local electrical code requirements; or in the absence of local codes, with the National Electrical Code as ANSI/NFPA No. 70-1987.

See wiring diagram furnished with dryer. Your Cissell dryer is completely wired at the factory and it is only necessary for the electrician to connect the power leads to the wire connectors within the service connection box on the rear of the dryer. Do not change wiring without consulting factory as you may void the factory warranty. Do not connect the dryer to any voltage or current other than that specified on the dryer rating plate. (Wiring diagram is located on rear wall of dryer).

CUSTOMER CONNECTIONS

1. Knock out hole in control box on back of dryer.
2. Connect main power to "L1" (Hot) & "L2"(Neutral).
3. Connect heating unit power to "A" &"B."
4. Refer to Wiring Diagram for more details.



UNPACKING

All Cissell dryers are packed in a protective (heavy-duty) plastic bag.

Upon arrival of the equipment, any damage in shipment should be reported to the carrier immediately.

When locating permanent location of unit, care should be taken in movement and placement of equipment.

See outline clearance diagrams for correct dimensions.

Remove all packing material such as: tapes, manuals, skid, etc. On gear reducer models, remove screw from air vent and cork from oil reserve well.

Leveling: Use spirit level on top of dryer. Adjust leveling bolts on dryer (see adjustable leveling bolts in maintenance section).

Check voltage and amperes on rating plate before installing the dryer.
WARNING: Remove Rib Holder Assembly located inside dryer (top of basket) before operating machine.

GENERAL INSTALLATION - ALL DRYERS

The construction of Cissell dryers permits installation side by side to save space or to provide a wall arrangement. Position dryer for the least amount of exhaust piping and elbows, and allow free access to the rear of dryer for future servicing of belts, pulleys and motors. Installation clearances from all combustable construction is 0" ceiling clearance, 0" rear clearance, and 0" side clearance.

Before operating dryer, open basket door and remove blocking between front panel and basket. Read all instruction tags, etc.

GENERAL INFORMATION

The Cissell Dryer is so designed that when an operator opens the dryer door, the basket and exhaust fan stops. You can expect fast drying from a Cissell Laundry Dryer. Hot, dry air is properly and effectively moved through basket and exhausted through a lint trap to atmosphere. The Cissell Dryer comes equipped with an inclined self-cleaning lint screen. In this system, lint accumulates on the underside of the screen until a blanket approximately 1/4" thick is formed. This blanket of lint will fall from the screen to the bottom of the dryer cabinet, and should be removed daily, or as required, to prevent an over accumulation.

IMPORTANT: Provide adequate clearance for air openings into the combustion chamber.

CISSELL "COOL-DOWN" CYCLE

Permanent press, durable press and other modern day fabrics require the care that your Cissell Laundry Dryers now provide.

At the end of the drying cycle, a timed "cool-down" control automatically takes over and continues the rotation of the fan and basket without heat until the garment load reaches a safe cool temperature. This function is performed at the end of each drying cycle and continues for two minutes.

EXHAUST DUCT INFORMATION

1. Do not install wire mesh or other restrictions in the exhaust duct.
2. Never exceed 0.3 inches water column static pressure in the exhaust duct.
3. Inside surface of the ducts must be smooth.
4. Pop Rivets are recommended for duct assembly.
5. Consult Cissell Engineering for help on tough installations.
6. Trouble Shooting - Hot dryer surfaces, scorched clothes, slow drying, lint accumulations, or air switch malfunctions are indications of exhaust duct and/or make-up air problems.

RULES FOR SAFE OPERATION OF YOUR CISSELL DRYER

1. Be sure your dryer is installed properly in accordance with the recommended instructions.

2. CAUTION: Be safe - shut main electrical power supply before attempting service.

3. CAUTION:
   a. Never use drycleaning solvents: gasoline, kerosene, or other flammable liquids in the dryer. Fire and explosion will occur.
   b. Never put fabrics treated with these liquids into the dryer.
   c. Never use these liquids near the dryer.
   d. Always keep the lint screen clean.
   e. Never use heat to dry items that contain plastic, foam or sponge rubber, or rags coated with oils, waxes or paints. The ehat may damage the material or create a fire hazard. Rubber easily oxidizes causing excessive heat and possible fire. Never dry the above items in the dryer.

4. Never let children play near or operate the dryer. Serious injury will occur if a child should crawl inside and the dryer is turned on.

5. Never use dryer door opening and top as a step stool.

6. Read and follow manufacturer's instructions on packages of laundry and cleaning aids. Heed any warnings of precautions.

7. Never tumble fiberglass materials in the dryer unless the labels say they are machine dryable. Glass fibers break and can remain in the dryer and could cause skin irritation if they become mixed into other fabrics.

8. Reference - Lighting and shutdown instructions and wiring diagrams are located on the rear wall of the dryer cabinet.

OPERATING INSTRUCTIONS

1. Set Temperature Regulating Thermostat (2) to control basket outlet temperature. Desired temperature is determined by material being dried. Basket outlet air temperature is designated by Thermometer (1).

2. Set Drying Timer (3) to desired time (0-60 minutes).

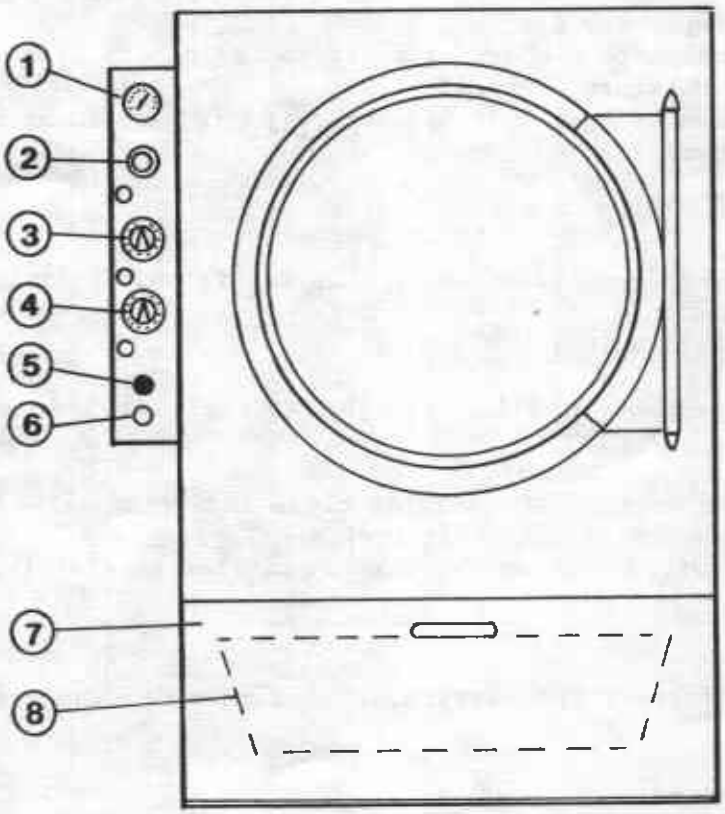
3. Set Cool-Down Timer (4) to desired time (0-15 minutes). Best results can be obtained when garments are allowed to cool down to at least 135 degrees F.

4. Push "Start" Button (Black) (5).

   IT IS RECOMMENDED THAT A TEST LOAD BE USED SO THAT OPERATOR MAY FAMILIARIZE THEMSELF WITH REQUIRED DRYING AND COOLING TIMES.

5. Lint Screen (8) is located inside lint trap door (7). Lint is collected on underside of screen and should be cleaned daily or as required.

6. "Stop" Button (Red) (6) is for stopping dryer while cycle is on. Push "Start" Button (5) to restart dryer.



ENERGY SAVING TIPS:

1. Install dryer so that you can use short, straight venting. Turns elbows and long vent tubing tend to increase drying time. Longer dry time means the use of more energy and higher operating costs.

2. Operate dryer using full-size loads. Very large loads use extra energy. Very small loads waste energy.

3. Dry light weight fabrics separately from heavy fabrics. You will use less energy and get more even drying results by drying fabrics of similar weight together.

4. Clean the lint screen area daily. A clean lint screen helps give faster, more economical drying.

5. Unload your dryer as soon as it stops. This saves having to re-start your dryer to remove wrinkles.

SERVICE SAVERS:

To help you troubleshoot the dryer, we list below the most common reasons for service calls and some answers to the problems. Before you call service please review the following items:

DRYER WON'T START:

1. Is the door completely closed?
2. Are the controls set to a drying position and not to off?
3. Did you push the start control?
4. Has a fuse blown or a circuit breaker tripped? Are fuses tight?
5. Check for low voltage.

DRYER WON'T HEAT:

1. Is the dryer set for a heat rather than an air only position?

CLOTHES ARE NOT SATISFACTORILY DRY:

1. Timed cycle - Did you allow enough heating time before the cool-down part of the cycle?
2. Is the lint screen blocked?
3. Is the exhaust duct to the outside clean and not blocked? (A blocked exhaust will cause slow drying and other problems.)
4. Venting, air switch closing and make-up air for each drying.

VERY IMPORTANT:

When calling the factory for service, always refer to the model number and serial number.

MAINTENANCE

1. Clean lint trap daily: Remove lint before starting day's operation. A clean lint trap will increase the efficiency of the dryer, as the moisture laden air will be exhausted to the atmosphere more quickly.

2. Keep basket and sweep sheets clean: Clean periodically and/or as often as required. The basket and sweep sheets within the dryer are easily accessible for cleaning by removing the front panel of the dryer.

3. Pulleys and belts: Keep belts clean. Oil and dirt will shorten the useful life of a belt. Never allow a belt to run against the belt guard. Check periodically for alignment. Pulley shafts must be parallel and the grooves must be in alignment. Check and retighten pulley set screws periodically. Check belt tension periodically. Lower motor to increase tension by adjusting the nuts fastening the motor plate to the 5/16" rod connected to the gear reducer.

4. Electric motor: Keep motor clean and dry. The ball bearings are packed with sufficient grease for approximately five years normal operation. After five years, the bearings and housing should be cleaned thoroughly. Repack each bearing and the cavity back of the bearing one-third full with Chevron Grease No. SR1-2.

   The wool packed sleeve bearings are oiled at the factory for one year's normal operation. After one year's normal operation, add annually one-half teaspoon electric motor oil or S.A.E. #10 to each bearing. For 24 hour per day operation, add one teaspoon of oil annually.

   If motor overheats, check voltage and wiring. Low voltage, inadequate wiring, and loose connections are the principle causes of motor failure.

5. Adjustable leveling bolts: One at each corner, front and rear permits accurate alignment of dryer.

   To adjust: Block corner of dryer up off floor, loosen hex nut. With wrench, turn bolt clockwise to raise dryer, counter-clockwise to lower. Rear bolts are on outside of dryer. Hex nuts for front bolts are inside lint trap.

6. Periodically examine and clean the exhaust system.

7. Keep dryer area clean and free from combustible materials, gasoline and other flammable vapors and liquids.

8. Periodically check dryer voltage per dryer rating plate.

AIR SWITCH ADJUSTMENT

1. Shut off current; disconnect leads and remove air switch.

2. Lay air switch assembly on flat surface. Adjust air blade at "A" (fig. 1) so that air blade lays flat and surface "B" is parallel to the flat surface.

3. Place 3/8" x 5/8" spacer bar or equivalent "C" (fig. 2) under air blade in position shown; hold switch mounting bracket firmly and adjust switch actuator "D" with needle nose pliers at "E" by twisting actuator right or left whichever is needed so that switch closes when end of air blade engages bar "C".

4. Maximum opening of air switch must be no greater than 3/4" (fig.3). Bend tab "F" in or out to maintain this dimension.

5. Re-install air switch assembly on rear of dryer.

6. Re-check operation of air blade. Switch must close before air blade engages face of opening and re-open before stop "F" engages.

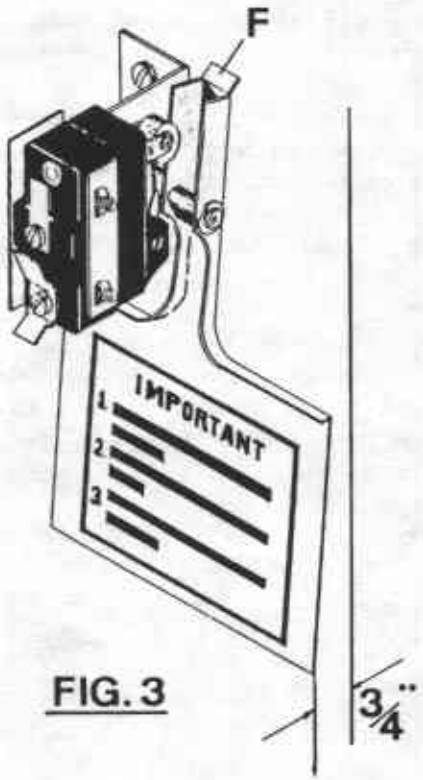


FIG. 3

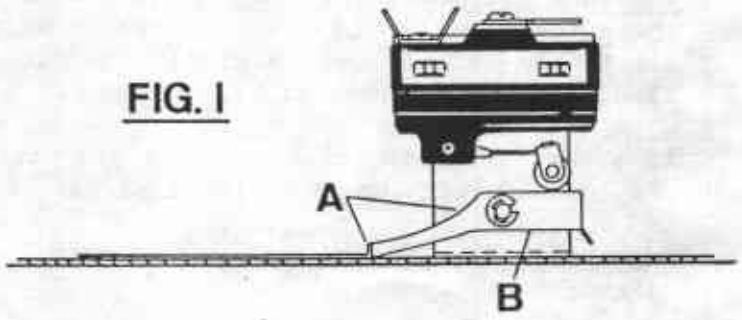


FIG. 1

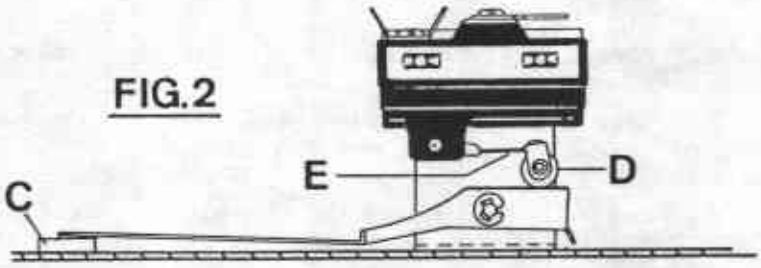


FIG.2

Instructions for Basket Alignment

Step 1 Loosen both eccentric locking collars on the two basket bearings (flange and pillow block types). Loosen the set screws and turn clockwise. If necessary, use a punch and mallet, striking the punch hole in a clockwise direction to break it loose.

Step 2 Loosen the four side bolts, "1, 2, 3, 4," on the basket bearing bracket (See Fig. 3). Loosen the two adjusting bolts and locknuts "5, 6," inside the bracket. And loosen the bolts "7," on the pillow block bearing.

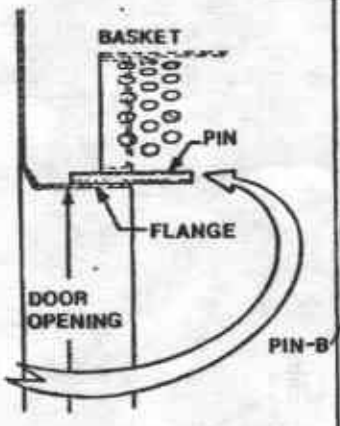
Step 3 Place one "A" and two "B" diameter pins inside the drying compartment between the rim of the basket opening and the rim of the door opening in the positions shown in Figs. 1 & 2. Check the two "B" pins for equal clearance.
Note: Push the basket toward the rear.

Step 4 With the pins in position, lock the collar nearest the rear wall of the dryer on the shaft by striking the punch hole in a counterclockwise direction. Tighten the set screw.

Step 5 Tighten the side bolts "1, 2, 3, 4," in numerical order. Tighten the bolts "7" on the pillow block bearing. And tighten the bolts "5" and locknuts "6".

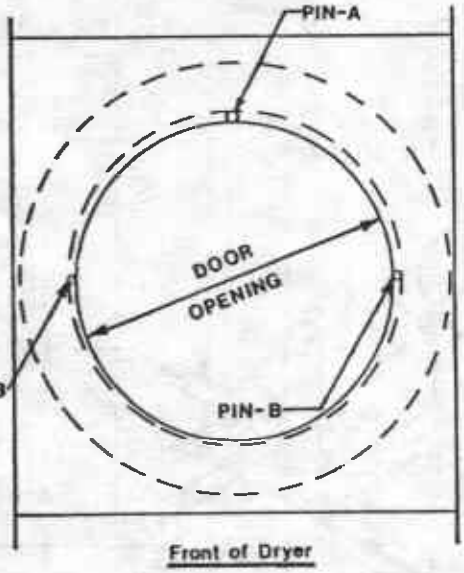
Step 6 Remove the aligning pins and if alignment is O. K., then tighten the collar on the pillow block bearing the same as in Step 4.
Caution: Check to see that the set screws are wrench tight on the locking collars.

FIG. 1



Right Side of Dryer

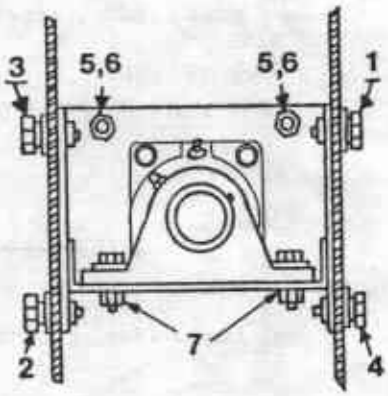
FIG. 2



Front of Dryer

PIN-A-5/8 DIA.
PIN-B-5/16 DIA.

FIG. 3



INSTRUCTIONS FOR SHIMMING A CISSELL BASKET AND SPIDER ASSEMBLY

This procedure is normally necessary when replacing either the basket or the spider assembly on any Cissell dryer tumbler. The alignment of these two parts is crucial in assuring a true running basket.

A. Align the basket per instructions.

B. Rotate the basket to determine where the most out of round point is or where the basket scrapes or comes closest to scraping the sweep sheet.

C. Mark this position and the nearest rib to this position.

D. Remove the basket (do not loosen the alignment bolts).

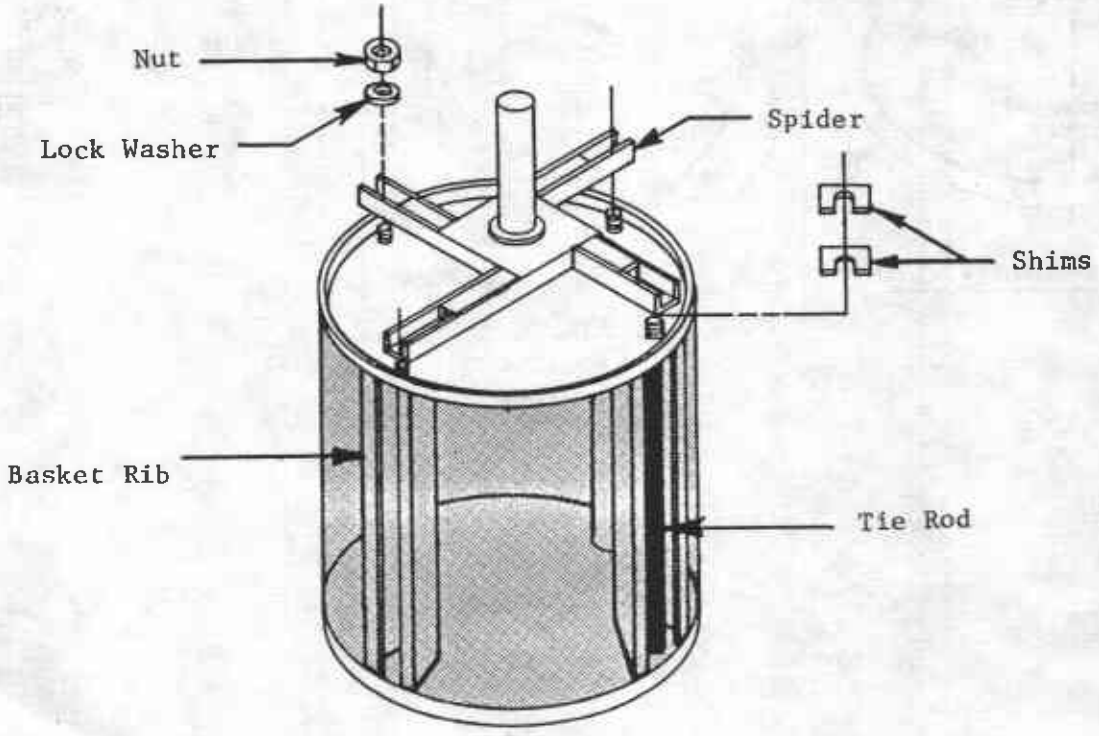
E. With the basket on the floor, spider up, place one or two shims between the spider leg and the back of the basket at the position marked on the rib. See illustration.

F. Install the spider and basket assembly and re-check cylinder.

G. If the basket is still out of round at this point, steps B through F must be repeated.

H. Upon completion of the shimming process, re-alignment of the basket is necessary.

Note: If the point mentioned in Step B is between two ribs. both ribs might have to be shimmed.



Instructions for Replacing Bearings & Collars
(Dryers Equipped with Pillow Block and Flange Basket Bearings)

Step 1: Remove belt guard, V-Belt, and basket sheave.

Step 2: Loosen set screw in first locking collar and remove from shaft by rotating clockwise. If necessary, use punch and mallet, hitting in clockwise direction to break collar loose.

Step 3: Remove the two bolts holding the pillow block bearing and take if off the shaft.

Step 4: Remove the second locking collar in the same manner as in Step 2.

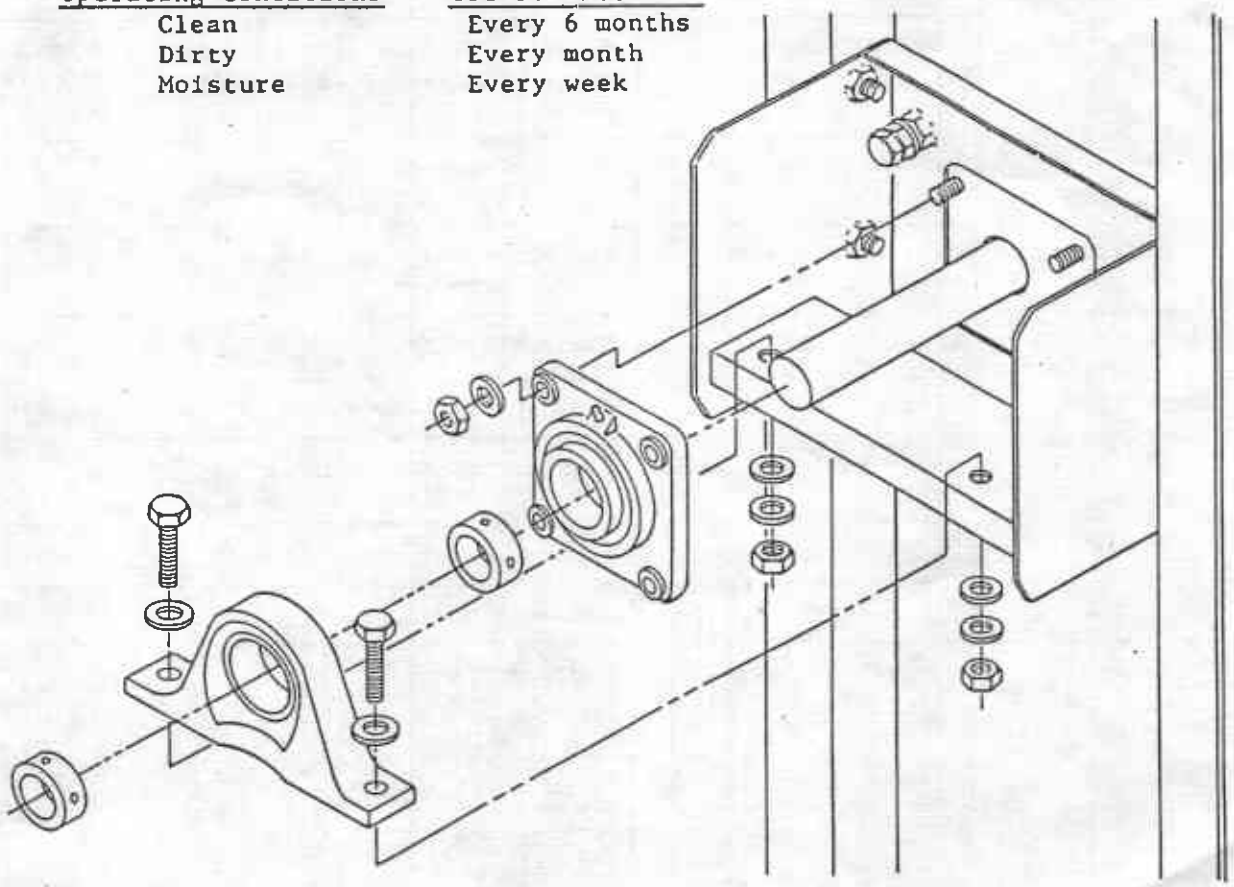
Step 5: Remove the four nuts and washers holding the flange basket bearing and take it off the dryer.

Step 6: Inspect the bearings and collars for damage and replace as necessary in reverse order of removing them. Before tightening securely, align basket per instructions on separate instruction sheet.

Step 7: Lubrication Guide - Grease bearings at regular intervals shown below. Use #42-032-6015 Lubriplate #310 1 lb. can or 14.5 oz. tube, Lubriplate #930-2 Multi-purpose grease #10098.

Bearings are factory lubricated and ready for use.
They are equipped with fittings for lubricating.
Add grease slowly; when grease begins to come out of the seals, the bearing will contain the correct amount.

Operating Conditions	Grease Intervals
Clean	Every 6 months
Dirty	Every month
Moisture	Every week



TROUBLE SHOOTING CHART

TROUBLE	CAUSE	REMEDY
Motor will not start	No Power	Check fuses on circuit breakers. Make sure main control switch is on.
	Incorrect power	Check power source; voltage, phase, and frequency must be the same as specified on electrical rating plate.
	Time off	Turn timer clock wise to desired time setting.
	Loose wiring connections	Check wire connections in electrical box on rear of Dryer.
	Defective starting relay	Check coils and contacts
Motor tripping on thermal overload	Low voltage	Check voltage at motor terminals. Voltage must be within (plus or minus) 10% of voltage shown on motor rating plate--if not, check with local power company for recommended corrective measures.
	Inadequate wiring	Check with local power company to insure that wiring is adequately sized for load.
	Loose connections	Check all electrical connections and tighten any loose connections.
	Poor housekeeping	Clean lint accumulation on and around motors.
Basket motor will not run	Loading door open	Close door.
	Door switch out of adjustment	Adjust switch by removing cover and bend actuator lever to clear switch button 3/8" with cover in place.
	Defective door switch	Replace switch.
	Defective basket motor contactor	Replace contactor.
Basket motor runs, but basket will not revolve	V-Belt Broken	Replace V-Belt.
	V-Belt Loose	Adjust Belt Tension.
	Motor pulley loose	Tighten set screw.
	Basket overloaded	Remove load.
	Rib Holder	Remove Rib Holder.
Dryer does not stop at end of time period	Defective timer	Replace timer.

TROUBLE SHOOTING CHART

TROUBLE	CAUSE	REMEDY
Dryer too hot	Defective thermostat	Replace thermostat.
	Inadequate make-up air	Make up air must be 4 to 6 times the exhaust area of the dryer.
	Lint accumulated	Remove lint.
Dryer noisy or vibrating	Not leveled	Check manual for proper leveling procedures
	Fan out of balance	Accidental damage to the fan blade can change the dynamic balance. Damaged fans should be replaced.
	Basket rubbing	Adjust basket clearance.
	V-Belt sheaves	Tighten set screws, make sure sheaves are in proper alignment.
	Belt	Adjust belt tension.
	Foreign objects	Occasionally screws, nails, etc. will hang in the basket perforations and drag against the sweep sheets surrounding the basket. Such foreign objects should be removed immediately.
Dryer runs but no heat (With customer's heat supply unit mounted on machine)	Incorrect voltage	Check for correct control voltage - 120V.
	No voltage	Check power supply, check secondary voltage on transformer and check wiring and wiring diagram.
	Lint door open	Close lint door.
	Defective relay to customer's heater control	Replace relay.
	Defective door switch	Replace door switch.
	Air Switch not operating	Clean out lint compartment daily. Check back draft damper for foreign objects, lint accumulation or other causes that may prevent damper from opening. Check duct work for lint build-up. Check installation sheet to insure that duct work and make up air openings are adequately sized. Check exhaust outlet. If a screen has been improperly installed on the outlet, it may be clogged with lint or frozen over in winter. Never install a screen on the exhaust outlet. Vacuum within dryer drops to .09 inches of water column, or less, for normal operation of dryer, vacuum reading (in inches of water column) should range between .15 and . 3 inches. Vacuum reading can be made with a vacuum U-gauge by removing a sheet metal screw in the front panel of dryer, and inserting the rubber tube of the vacuum gauge into screw opening.

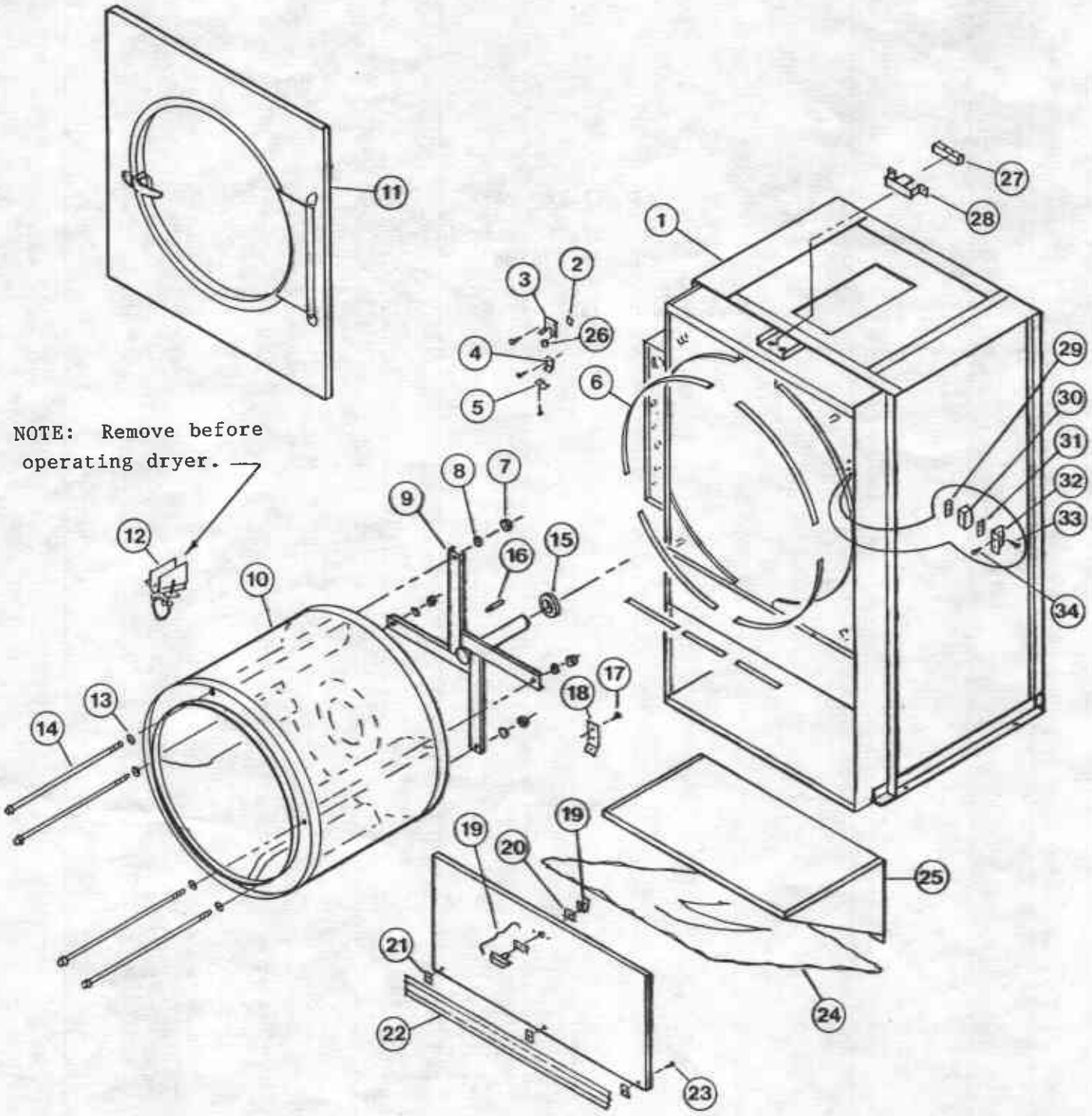
TROUBLE SHOOTING CHART

TROUBLE	CAUSE	REMEDY
Dryer runs but no heat (with customer's heat supply unit mounted on machine)	Air switch out of adjustment	See air switch adjustment sheet in service manual.
	Air switch defective	Replace air switch.
	Defective relay	Replace relay.
	Defective thermostat	Replace thermostat.
	Defective safety overload thermostat	Replace thermostat.
	Lint compartment door open	Close door.
	Electric power to heating unit turned off	Turn power on.
	Line fuse or heater circuit fuse blown to unit	Replace fuse.

ILLUSTRATED PARTS

50 LB. Skid Mounted Dryer
Model L36SMS30

Owner's Manual Part No. MAN395


NOTE: Remove before operating dryer.
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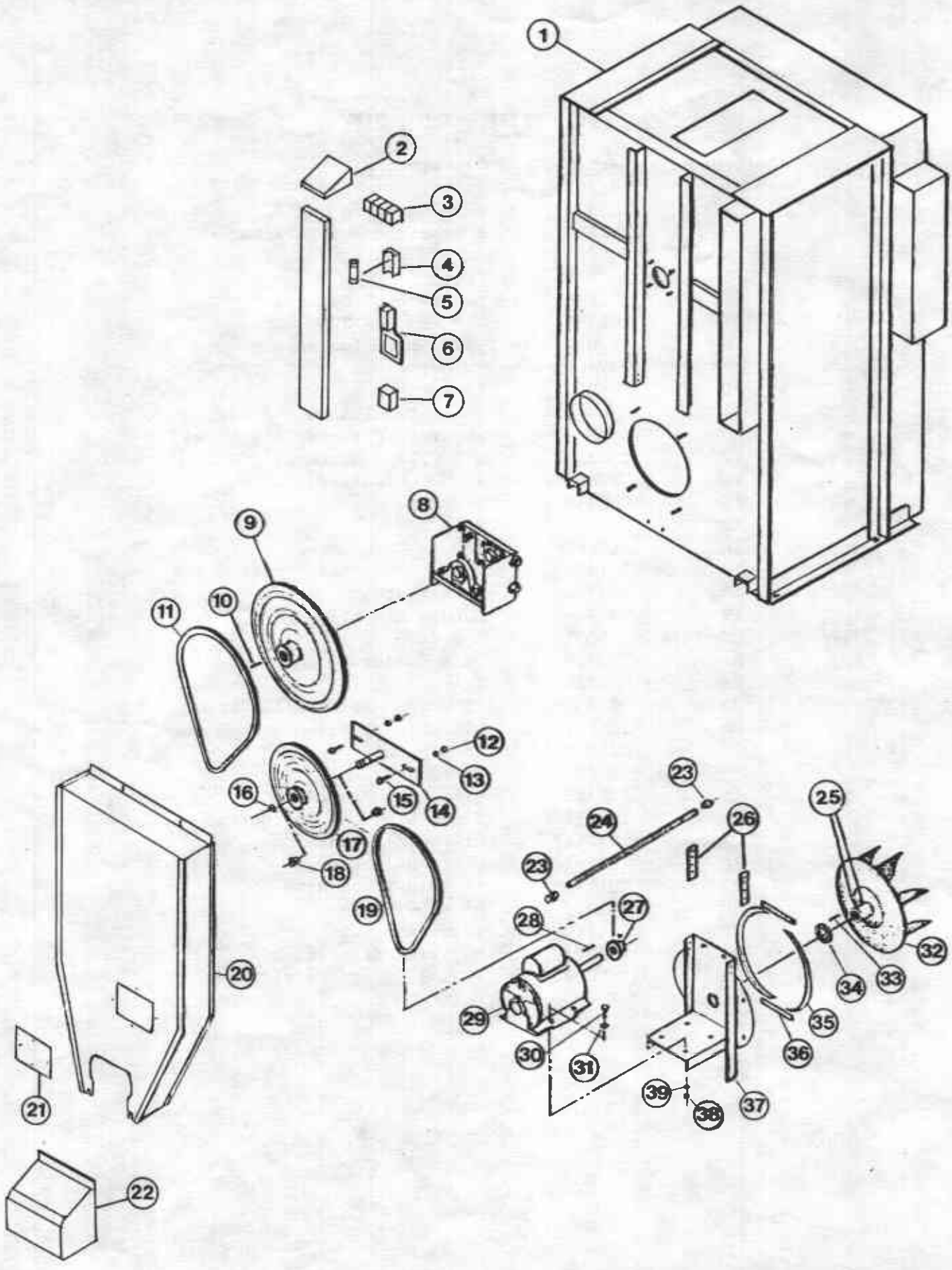
SKID DRYER - FRONT VIEW

Ref. No.	Part No.	Description
1	TU12631	Jacket
2	TU3801	Push on Speed Nut
3	TU2486	Thermostat Bulb Bracket
4	TU5337	Bulb Support
5	F646	Clamp
6	TU5876	Sweep Sheet Gaskets
7	TU2882	1/2"-20 Hex Nut
8	TU2831	1/2" Split Lockwasher
9	TU7181	Spider
10	TU6822	Basket
11	---	Front Panel & Door - See Separate Page for Breakdown
12	TU12330	Rib Holder Assembly
13	TU2883	1/2" Cut Washer
14	TU2313	Tie Rod
15	TU108	Felt Seal
16	TU5887	Key
17	TU1978	#14 x 3/4" Sheet Metal Screw
18	TU3206	Lock Plate
19	TU2504	Handle Assembly
20	TU6025	Cam Stop
21	TU2710	Trim Holder
22	TU2385	Trim
23	TU7733	#8 x 1/2" Self Drill Screw
24	TU5261	Lint Screen Assembly
	TU10362	Screen Only
	TU5225	Frame Only
25	TU8368	Lint Trap Frame
26	TU2477	Temp. Limiting Thermostat
27	TU12429	Rib Holder Plate
28	TU12537	Plate Hold Down
29	TU1771	#6 Twin Speed Nut
30	TU1979	Door Switch
31	TU1770	Insulator
32	TU2373	Mounting Bracket
33	TU3219	#6 x 1" Sheet Metal Screw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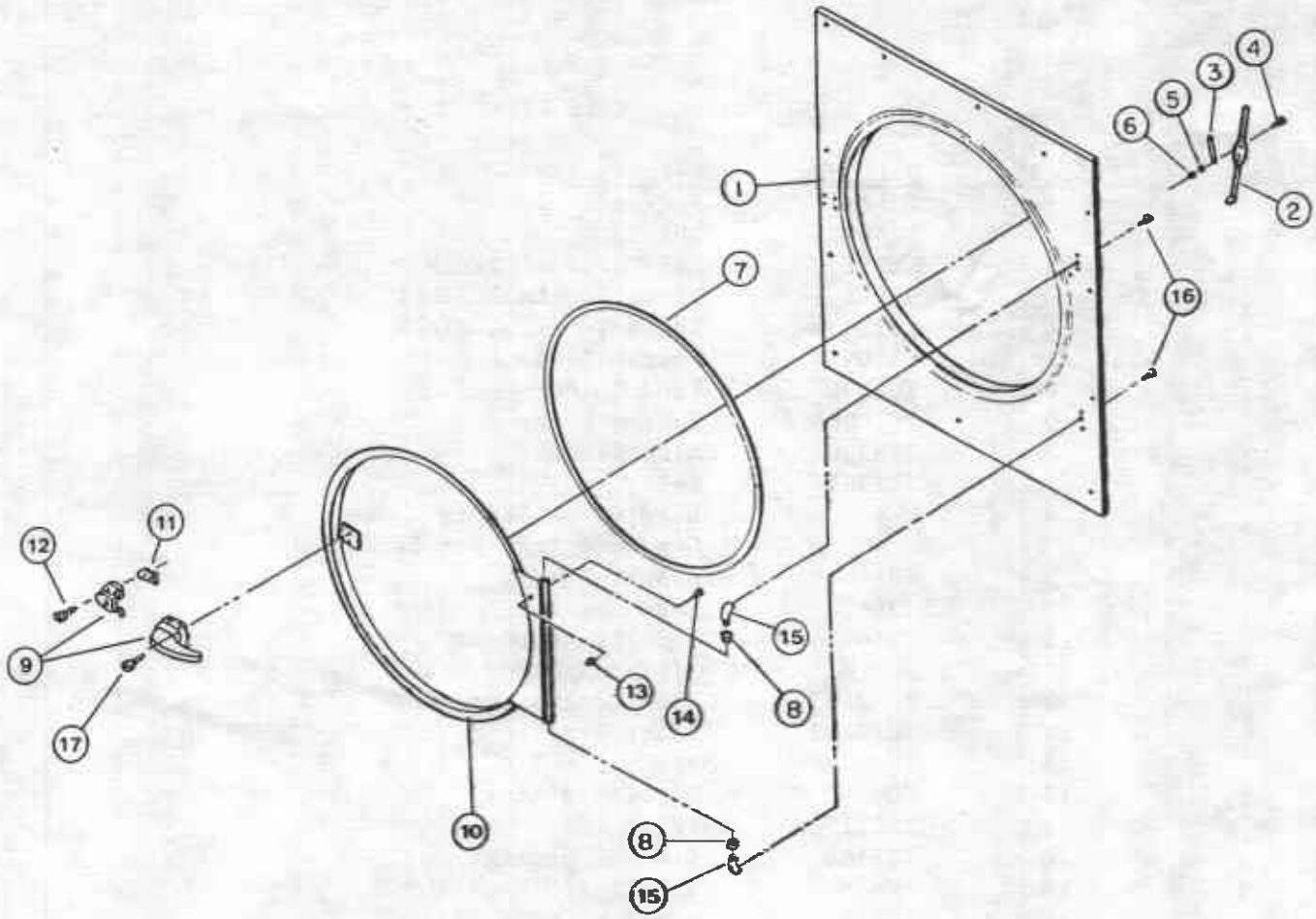
SKID DRYER - REAR VIEW

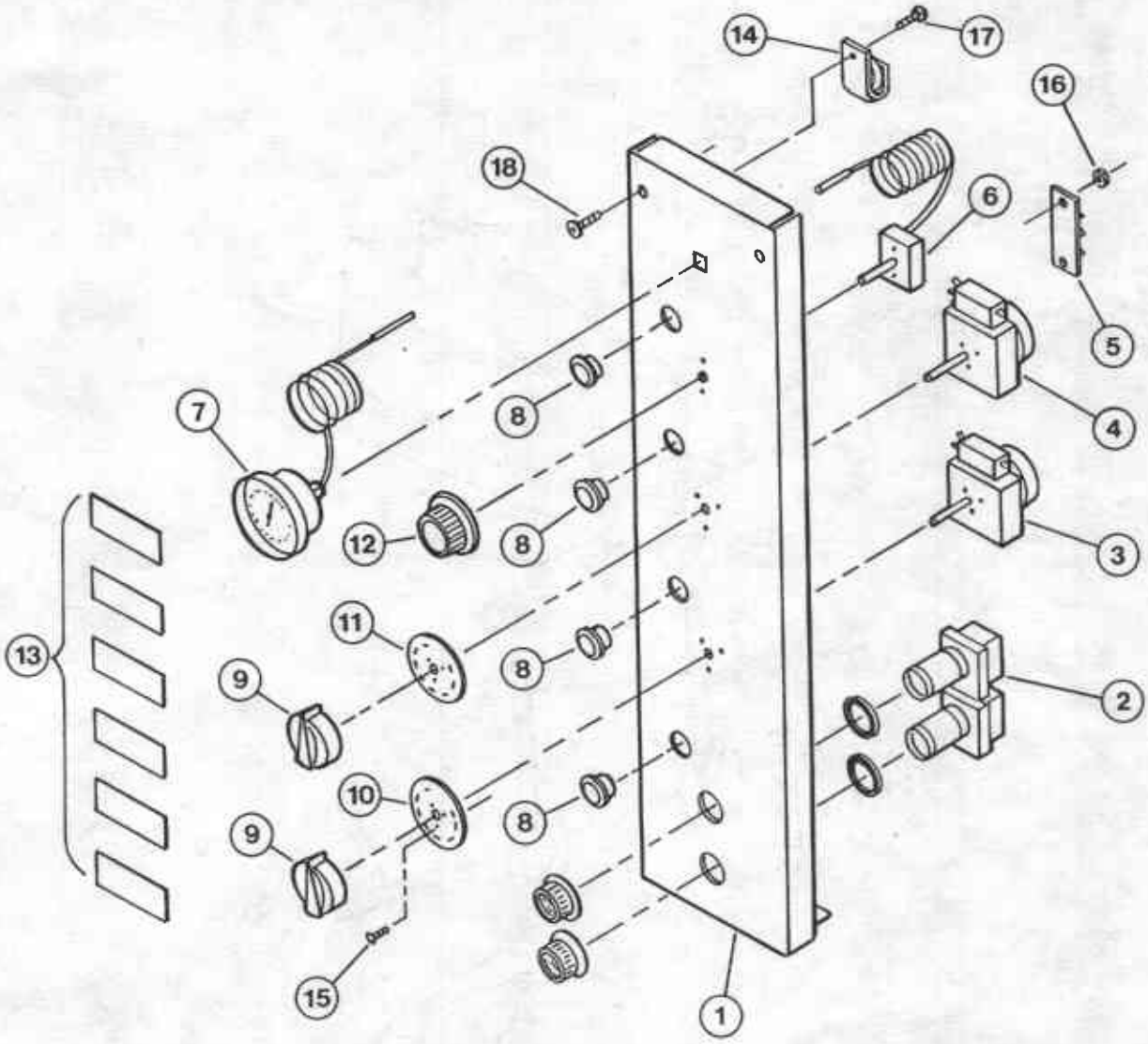
Ref. No.	Part No.	Description
1	TU12631	Jacket
2	TU12635	Shield
3	LB112	Red Terminal Block
	LB111	Black Terminal Block
	LB110	White Terminal Block
	LB109	Terminal Block End
4	TU7505	Fuse Holder
5	TU10065	Fuse - 6 Amp
6	TU8206	Air Switch
7	TU1984	Relay
8	---	Bearings Assembly - See Separate Page for Breakdown
9	TU5446	Basket Sheave
10	TU5887	Key
11	TU5447	V-Belt, 4L660
12	TU3188	3/8" Hex Nut-Nylok
13	TU3243	3/8" Lockwasher
14	TU10272	Idler Bracket
15	TU4936	3/8"-16 x 3/4" Carriage Bolt
16	TU3247	Retaining Ring
17	TU5217	Idler Sheave
18	TU7184	Bronze Bushing
19	TU4794	V-Belt (60 Hz.) 4L590
20	TU9294	Guard w/Cover Plate
21	TU11707	Cover Plate
22	TU12634	Motor Shield
23	TU12553	Straight Connectors
24	569178436	Flexible Conduit (Specify 24")
25	TU3282	Round Head Set Screw Only
	F819	Square Head Set Screw Only
26	TU12434	Connecting Plate
27	TU6761	Motor Sheave w/Set Screw (60 Hz.)
28	TU5241	Key
29	MTR202	Motor (Special Treated)
30	TU5439	5/16"-18 x 3/4" Hex Head Screw
31	VSB130	5/16" Cut Washer
32	TU5874	Fan Wheel w/Set Screw (60 Hz.)
33	TU4684	Key
34	TU2476	Felt Seal
35	TU2473	Side Gasket
36	TU2474	Top & Bottom Gasket
37	TU12436	Motor Mount
38	C249	5/16" Hex Nut
39	TU2814	5/16" Lockwasher



FRONT PANEL & DOOR ASSEMBLY

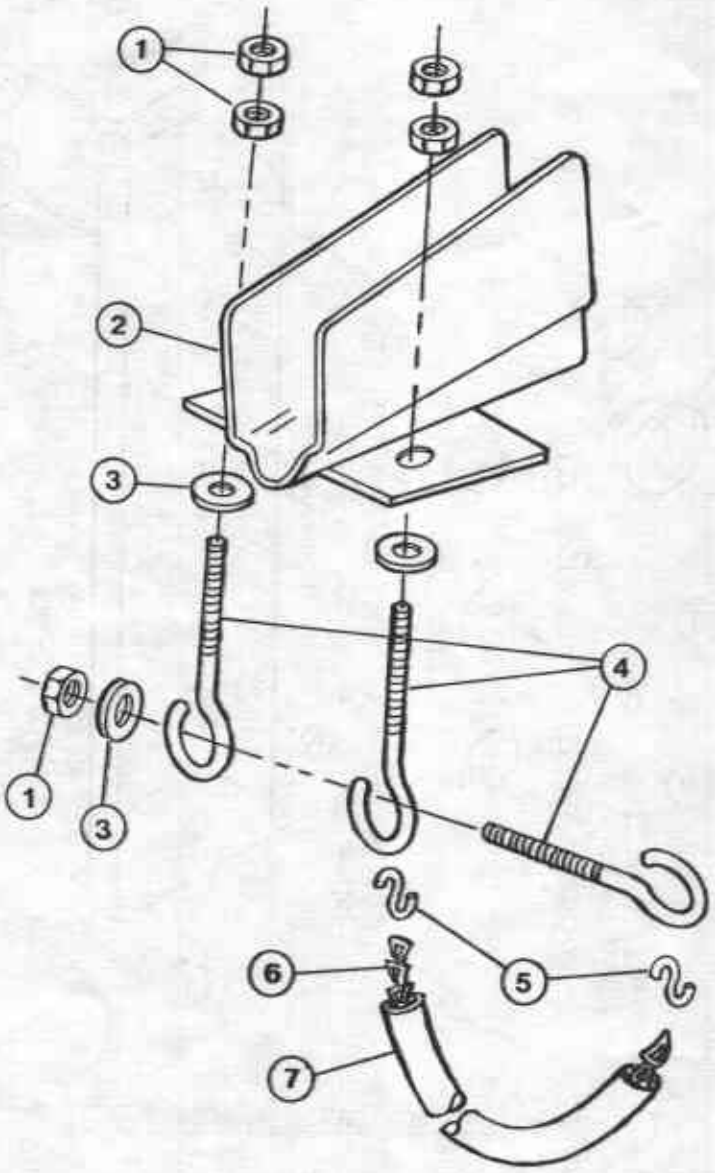
Ref. No.	Part No.	Description
1	TU10785	Front Panel
2	TU6510*	Actuator
3	TU2105*	Actuator Spring
4	M262 *	#8-32 Tr. Hd. Screw
5	FB187*	#8 Split Lockwasher
6	TU3266*	#8-32 Hex Nut
7	TU5288	Door Seal
8	PIF172	Bearing
9	TUA2319	Door Latch & Keeper
10	TU9318	Door
11	TU5503	Latch Spacer
12	TU2687	#8 Sheet Metal Screw
13	TU4840	#10-32 Crown Nut
14	TU4839	#10-32 x 3/8" Screw
15	TU2236	Hinge Posts
16	TU2836	5/16"-18 x 1/2" Hex Screw
17	TU2686	#8-32 x 3/8" Screw

*Included with Actuator Assembly - TU9809



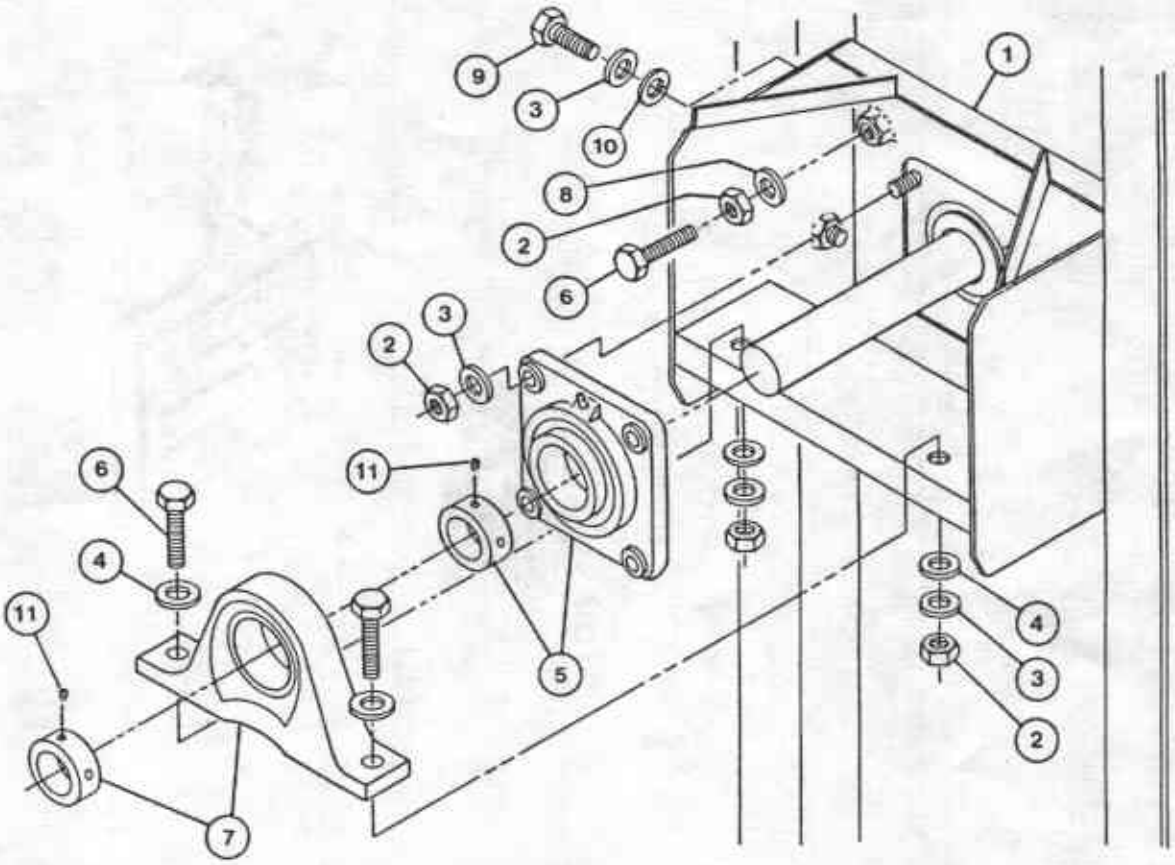
CONTROL PANEL ASSEMBLY

Ref. No.	Part No.	Description
1	TU12442	Control Box Panel
2	TU2767	Start/Stop Switch
3	TU6110	Timer (0-15 Min.)
4	TU6109	Timer (0-60 Min.)
5	FG325	Terminal Board
6	TU1980	Thermostat
7	TU3593	Thermometer
8	M102	Lamp
9	T148	Knob
10	TU5445	Dial (0-15 Min.)
11	TU5444	Dial (0-60 Min.)
12	TU490	Knob
13	TU12449	Set of Labels
14	TTU101	Buzzer
15	LB68	#8-32 x 3/4" Screw
16	TU3400	#6-32 Hex Nut
17	TU7733	#8-½" Self-Drill Screw
18	AT383	#8-32 x ½" Truss Hd. Screw



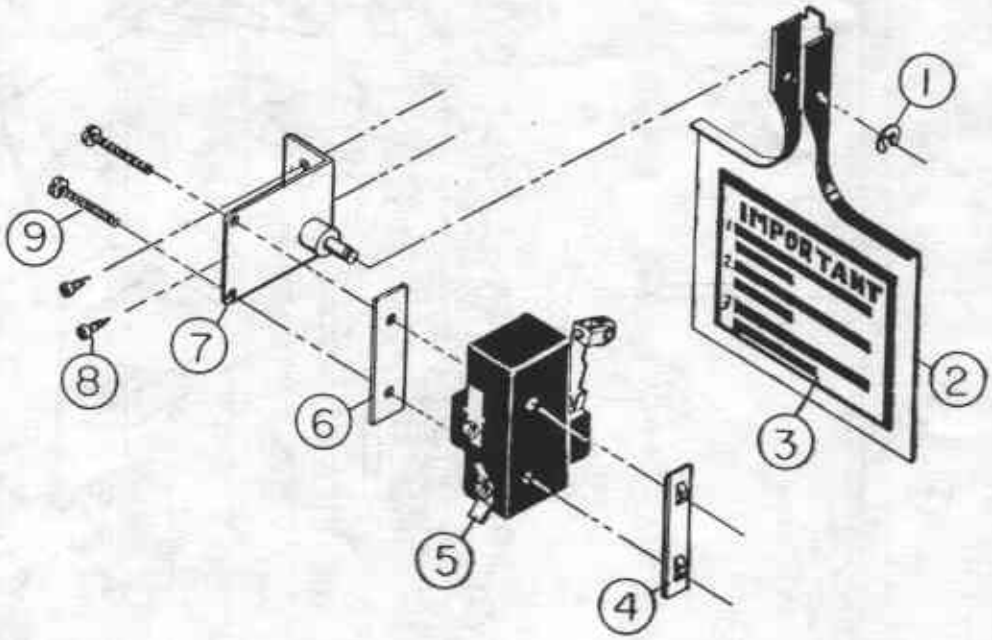
RIB HOLDER ASSEMBLY - TU12330

Ref. No.	Part No.	Description
1	TU4934	1/4" Hex Nut
2	TU12329	Rib Holder
3	TU2847	1/4" Flat Washer
4	TU12526	Eye Bolt
5	J17	"S" Hook
6	020053284	Chain - 12" Long
7	136203535	Plastic Hose - 11" Long



BEARINGS AND RELATED PARTS

Ref. No.	Part No.	Description
1	TU11093	Bearing Support Bracket
2	OP233	1/2" Hex Nut
3	TU2831	1/2" Lockwasher
4	TU2883	1/2" Flat Washer
5	TU10860	Flange Bearing W/Collar
6	TU2195	1/2 - 13 X 1 3/4 Cap Screw
7	TU10870	Pillow Block Bearing W/Collar
8	OP251	1/2" I.T. Lockwasher
9	RC347	1/2 - 13 1 1/4" Cap Screw
10	TU1851	1/2" X 1/4" Cut Washer
11	TU10644	3/8 - 16 X 1/2" Nylok Set Screw



AIR SWITCH ASSEMBLY - TU8206

Ref. No.	Part No.	Description
1	F888	"E" Ring
2	TU2463	Actuator Arm
3	TU3476	Decal
4	TU1771	#6 Speed Nut
5	TU8155	Air Switch
6	TU1770	Insulator
7	TU8171	Air Switch Bracket
8	TU7733	#8 x ½" Self-Drill Screw
9	TU3219	#6 x 1" Rd. Hd. Screw

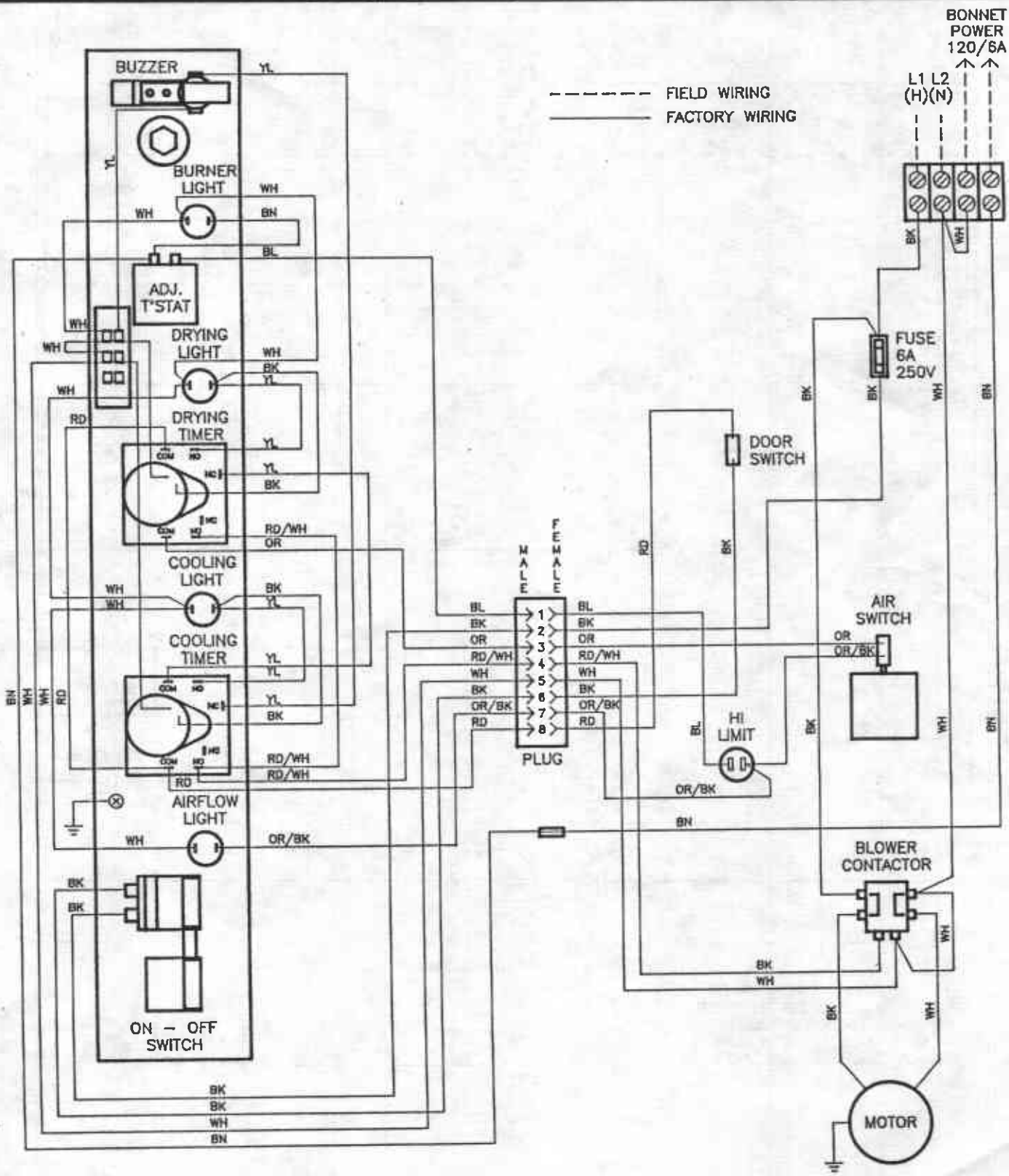
cissell

LOUISVILLE, KENTUCKY

WIRING DIAGRAM

TWL 1484

L36SMS30 (SKID MOUNTED DRYER)
TIMED DRYING, TIMED COOLING
SEE TSL 5 FOR SCHEMATIC
120 VOLT, 1 PH., 60 HZ.



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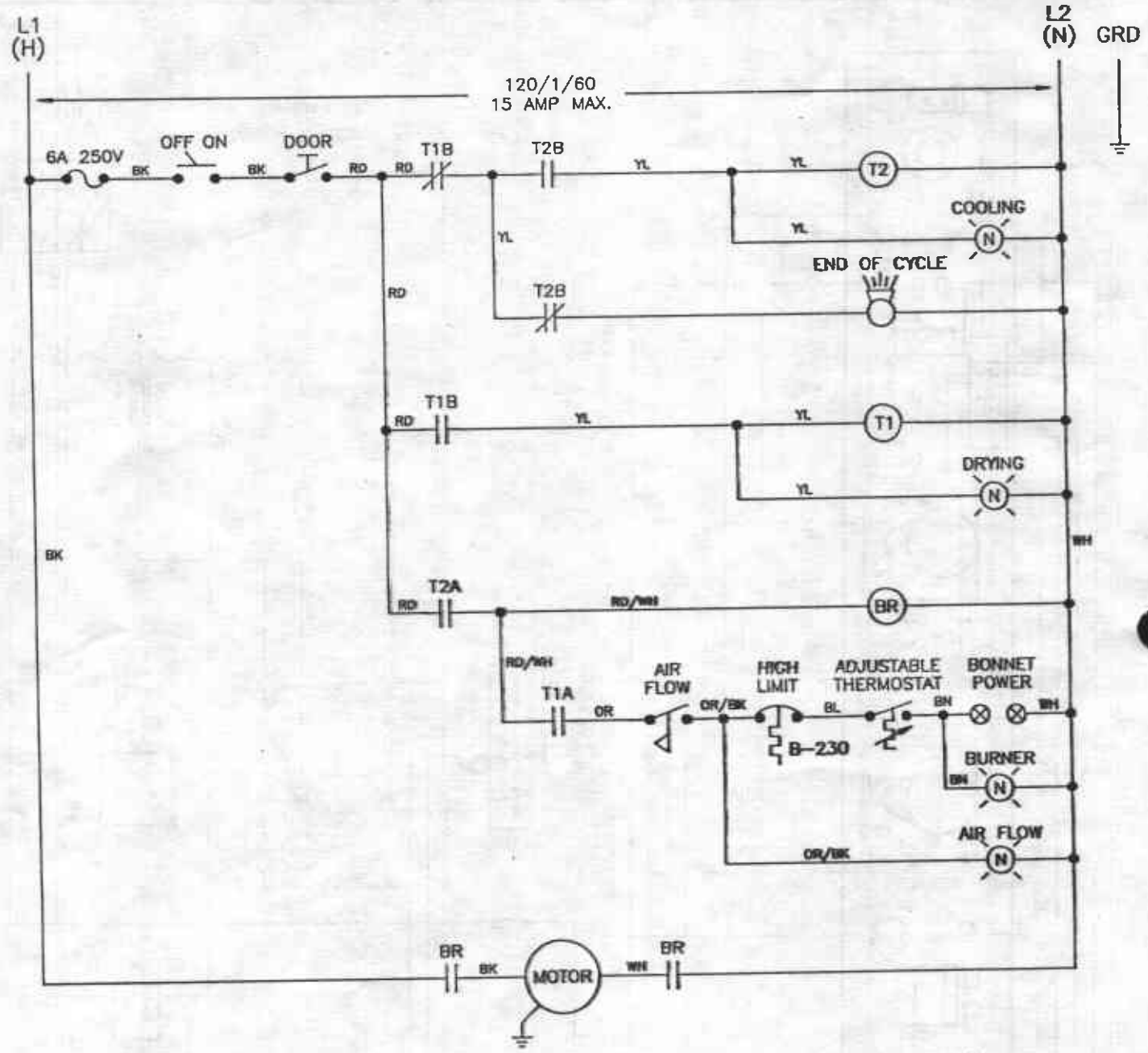
LOUISVILLE, KENTUCKY

WIRING SCHEMATIC

TSL 5

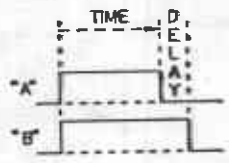
L36SMS30 (SKID MOUNTED DRYER)
TIMED DRYING, TIMED COOLING
120 VOLT, 1 PH., 60 HZ.



KEY:

T1 – DRYING TIMER MOTOR
T2 – COOLING TIMER MOTOR
BR – BLOWER CONTACTOR
T_A – TIMER (A) CONTACTS
T_B – TIMER (B) CONTACTS

TIMER CONTACTS



"A" CONTACTS TRANSFER FIRST ON TIME COUNTDOWN

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