



OWNER'S MANUAL

175 lb. LAUNDRY DRYER

Gas: IPD175G
and
Steam: IPD175S



IPD175

IPSO-USA

3101 South Haven Hwy. 77 - Suite A

Panama City, FL 32405

Tel: (850) 271-8486

IMPORTANT NOTICES—PLEASE READ

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



WARNING: For your safety, the information in this manual must be followed to minimize the risk of fire or explosion or to prevent property damage, personal injury or loss of life.

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

- WHAT TO DO IF YOU SMELL GAS

- Do not try to light any appliance.
- Do not touch any electrical switch; do not use any phone in your building.
- Clear the room, building or area of all occupants.
- Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.

Installation and service must be performed by a qualified installer, service agency or the gas supplier.



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



WARNING: Wear safety shoes to prevent injuries.



WARNING: Purchaser must post the following notice in a prominent location:



FOR YOUR SAFETY

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



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



WARNING: Be safe, before servicing machine, the main power should be shut off.



WARNING: To avoid fire hazard, do not dry articles containing foam rubber or similar texture 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.



WARNING: Synthetic solvent fumes from drycleaning machines create acids when drawn through the dryer. These fumes cause rusting of painted parts, pitting of bright or plated parts, and completely removes the zinc from galvanized 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.



WARNING: Do not operate without guards in place.



WARNING: Check the lint trap often and clean as needed but at least a minimum of once per day.



WARNING: Alterations to equipment may not be carried out without consulting with the factory and only by a qualified engineer or technician. Only **Manufacturer** parts may be used.



WARNING: Remove clothes from dryer as soon as it stops. This keeps wrinkles from setting in and reduces the possibility of spontaneous combustion.



WARNING: Be safe - shut main electrical power and gas supply off externally before attempting service.



WARNING: Never use drycleaning solvents, gasoline, kerosene, or other flammable liquids in the dryer. ***FIRE AND EXPLOSION WILL OCCUR. NEVER PUT FABRICS TREATED WITH THESE LIQUIDS INTO THE DRYER. NEVER USE THESE LIQUIDS NEAR THE DRYER..***



WARNING: Do not place items exposed to cooking oils in your dryer. Items contaminated with cooking oils may contribute to a chemical reaction that could cause a load to catch fire.



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



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



WARNING: Before operating gas ignition system - purge air from natural gas or propane gas lines per manufacturer's instructions.



WARNING: To reduce the risk of electric shock, disconnect this appliance from the power supply before attempting any user maintenance other than cleaning the lint trap. Turning the controls to the OFF position does not disconnect this appliance from the power supply.

**ATTENTION: L'ACHETEUR DOIT PLACER L'AVERTISSEMENT
SUIVANT DANS UN ENDROIT CLAIR ET VISIBLE:**

AVERTISSEMENT. Assurez-vous de bien suivre les instructions donnees dans cette notice pour reduire au minimum le risque d'incendie ou d'explosion ou pour eviter tuot dommage materiel, toute blessure ou la mort.

___ Ne pas entreposer ni utiliser d'essence ni d'autres vapeurs ou liquides inflammables dans le voisinage de cet appareil ou de tout autre apparell.

___ **QUE FAIRE SI VOUS SENTEZ UNE
ODEUR DE GAZ:**

- Ne pas tenter d'allumer d'apparell.
- Ne touchez a aucun interrupteur. Ne pas vous servir des telephones se trouvant dans le batiment ou vous vous trouvez.
- Evacuez la piece, le batiment ou la zone.
- Appelez immediatement votre fournisseur de gaz depuis un voisin. Suivez les instructions du fournisseur.
- Si vous ne pouvez rejoindre le fournisseur de gaz, appelez le service des incendies.

___ l'installation et l'entretien doivent etre assures par un installateur ou un service d'entretien qualifie ou par le fournisseur de gaz.

**ATTENTION: L'ACHETEUR DOIT PLACER L'AVERTISSEMENT
SUIVANT DANS UN ENDROIT CLAIR ET VISIBLE:**

POUR VOTRE SECURITE

Ne pas entreposer ni utiliser d' essence
ni d'autres vapeurs ou liquides
inflammables dans le voisinage de cet
appareil ou de tout autre appareil.

IPSO DRYER WARRANTY

IPSO warrants all new equipment (and the original parts thereof) to be free from defects in material or workmanship for a period of three (3) 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 three (3) years due to normal wear and tear, and with respect to all new repair or replacement parts for IPSO equipment for which the three (3) year warranty period has expired, or for all new repair or replacement parts for equipment other than IPSO equipment, the warranty period is limited to ninety (90) days from date of sale. The warranty period on each new replacement part furnished by IPSO 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 IPSO, the warranty is limited to that provided by the respective manufacturer.

IPSO's total liability arising out of the manufacture and sale of new equipment and parts, whether under the warranty or caused by IPSO's negligence or otherwise, shall be limited to IPSO-USA repairing or replacing, at its option, any defective equipment or part returned f.o.b. IPSO's factory, transportation prepaid, within the applicable warranty period and found by IPSO to have been defective, and in no event shall IPSO 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 IPSO 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 IPSO 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 IPSO; operated or repaired with other than genuine IPSO replacement parts; damaged by fire, flood, vandalism, or such other causes beyond the control of IPSO; 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 IPSO for repair or replacement without prior written authorization from IPSO. Charges for unauthorized repairs will not be accepted or paid by IPSO.

IPSO MAKES NO OTHER EXPRESSED 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, EXPRESSED OR IMPLIED. IPSO 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 IPSO equipment or part was purchased. If the distributor cannot be reached, contact IPSO.

IDENTIFICATION NAMEPLATE

The identification nameplate is located on the rear wall of the dryer. It contains the dryer serial number, product number, model number, electrical specifications and other important data that may be needed when servicing and ordering parts, wiring diagrams, etc. Do not remove this nameplate.

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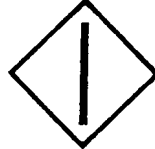
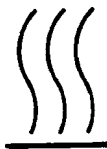
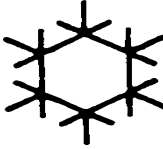
175 LB. LAUNDRY DRYER

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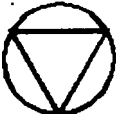
SYMBOLS

The following symbols are used in this manual and/or on the machine.

Symbol	Description
	NOTE!
	Hot! Do Not Touch Heiß! Nicht Berühren Haute temperature! Ne pas toucher Caliente! no tocar Heet! Niet Aanraken
	dangerous voltage tension dangereuse Gefährliche elektrische Spannung tension peligrosa
	on marche Ein conectado
	off arrêt Aus desconectado
	start demarrage Start arranque de un movimiento
	emission of heat in general émission de chaleur en general Warmeabgabe allgemein emisión de calor
	cooling refroidissement Kühlen enfriamiento

SYMBOLS

The following symbols are used in this manual and/or on the machine.

Symbol	Description
	rotation in two directions rotation dans les deux sens Drehbewegung in zwei Richtungen movimiento rotativo en los dos sentidos
	direction of rotation sens de mouvement continu de rotation Drehbewegung in Pfeilrichtung movimiento giratorio o rotatorio en el sentido de la flecha
	End of Cycle
	caution attention Achtung atencion; precaucion

Unpacking/General Installation (All Dryers)

UNPACKING

This dryer is packed in a large (heavy-duty) protective wooden crate.

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

Upon determining permanent location of a unit, care should be taken in movement and placement of equipment. To move dryer through doorways, you may need to remove the top of the machine. Follow instructions for disassembling.

See outline clearance diagrams for correct dimensions.

Remove all packing material such as: tape, manuals, skid, etc.

Check voltage and amperes on rating plate before installing the dryer.

Leveling: Use spirit level on top of dryer. The use of shims are acceptable for this procedure.

GENERAL INSTALLATION (ALL DRYERS)

IMPORTANT

Before installing or operating this dryer, thoroughly read the owner's manual for correct instructions concerning electric connections, exhaust ducting, gas piping, steam connections, make-up air, etc.

IMPORTANT

Read the warnings in this manual.

IMPORTANT

Do not install this dryer in an area where it will be exposed to water and/or weather.

IMPORTANT

Failure to follow these instructions and warnings may create a safety hazard and may affect the warranty.

IMPORTANT

Follow all local codes.

IMPORTANT

If you have any installation questions, consult the factory Service Department.

General Installation (All Dryers)

GENERAL INSTALLATION (ALL DRYERS)

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 clearance from all combustable material for gas dryers is 24" ceiling clearance, 24" rear clearance, and 0" side clearance. Installation clearance from all combustable material for steam dryers is 24" ceiling clearance, 24" rear clearance, and 0" side clearance.

Before operating dryer, open basket door and remove blocking between front panel and basket. Read the instruction tags, owner's manual, warnings, etc.

GENERAL

The dryer is so designed that when an operator opens the dryer door, the basket and exhaust fan stop. Hot, dry air is properly and effectively moved through the basket and exhausted through a lint trap to the venting and eventually to the atmosphere. The lint accumulates in the collector and should be removed as needed, minimum once daily.

IMPORTANT

IMPORTANT

Provide adequate clearance for air openings into the combustion chamber.

REPLACEMENT PARTS

Replacement parts for this dryer are available from your distributor or by contacting the factory at the address or phone number printed on the cover of this manual.



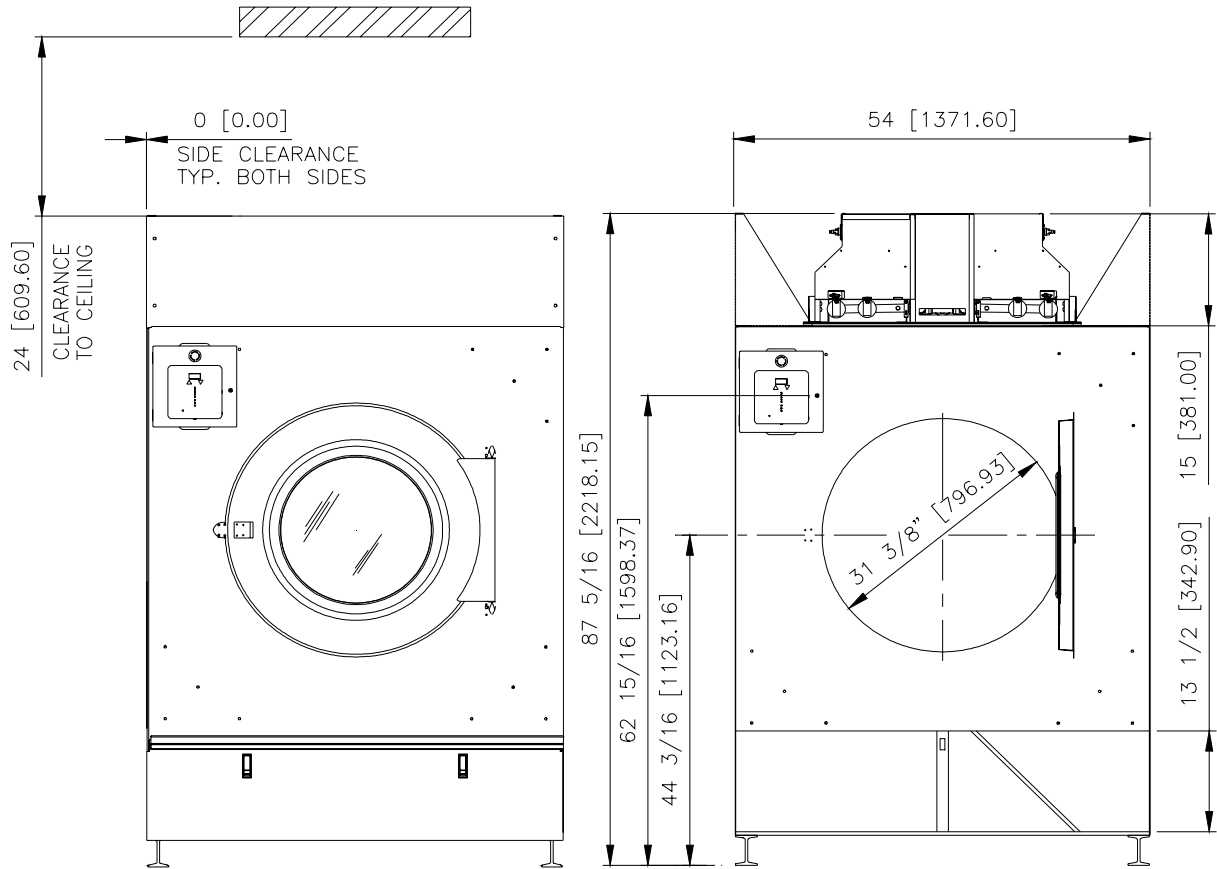
WARNING Unit is heavy!



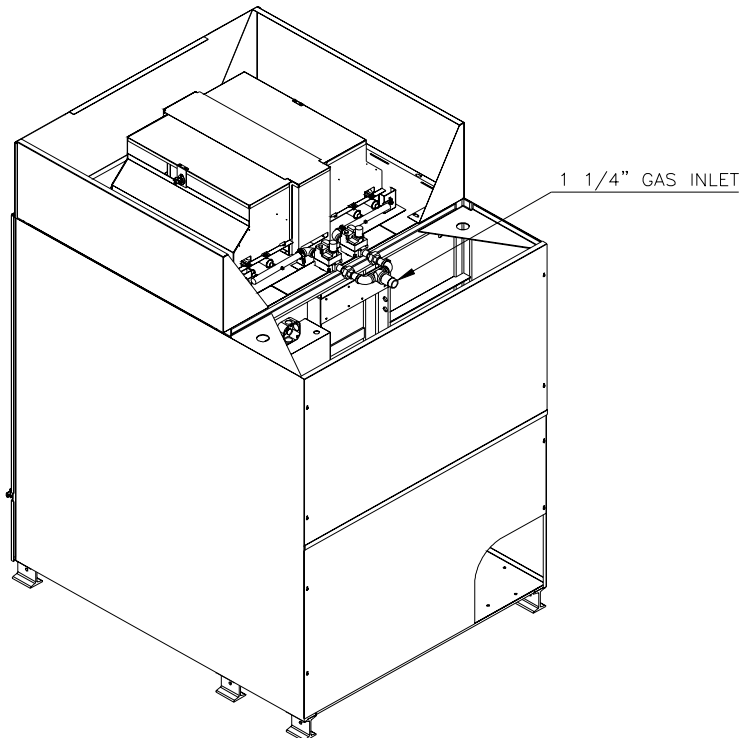
NOTE

The gas installation must conform with local codes or, in the absence of local codes, with the *National Fuel Gas Code, ANSI Z223.1* or the *CAN/CGA-B149, Installation Codes*.

175 LB. GAS DRYER SPECIFICATIONS (ILLUSTRATION)



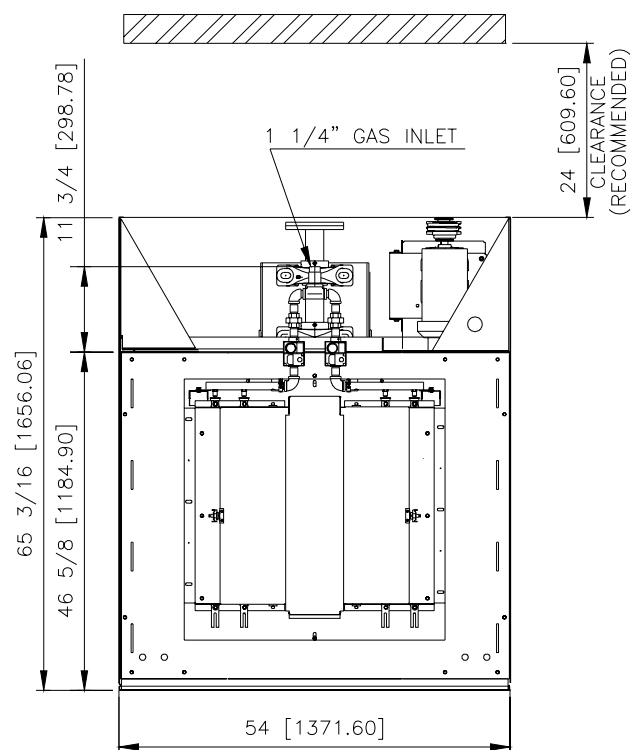
REAR VIEW



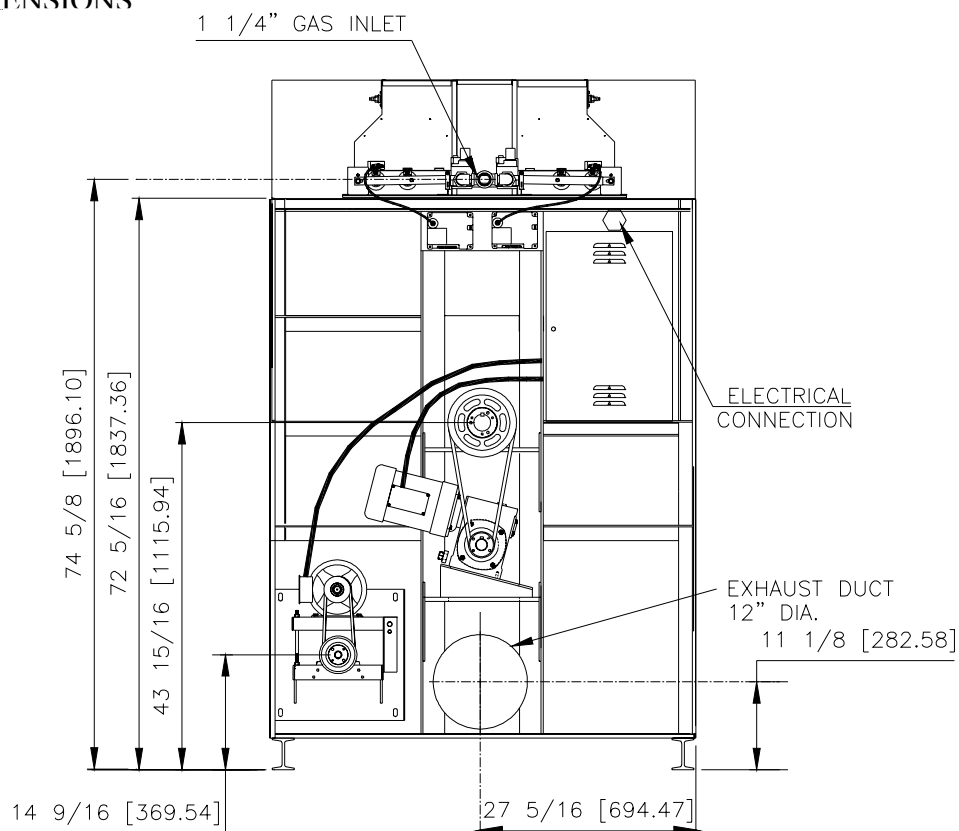
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175 LB GAS DRYER SPECIFICATIONS (ILLUSTRATION)

TOP VIEW DIMENSIONS



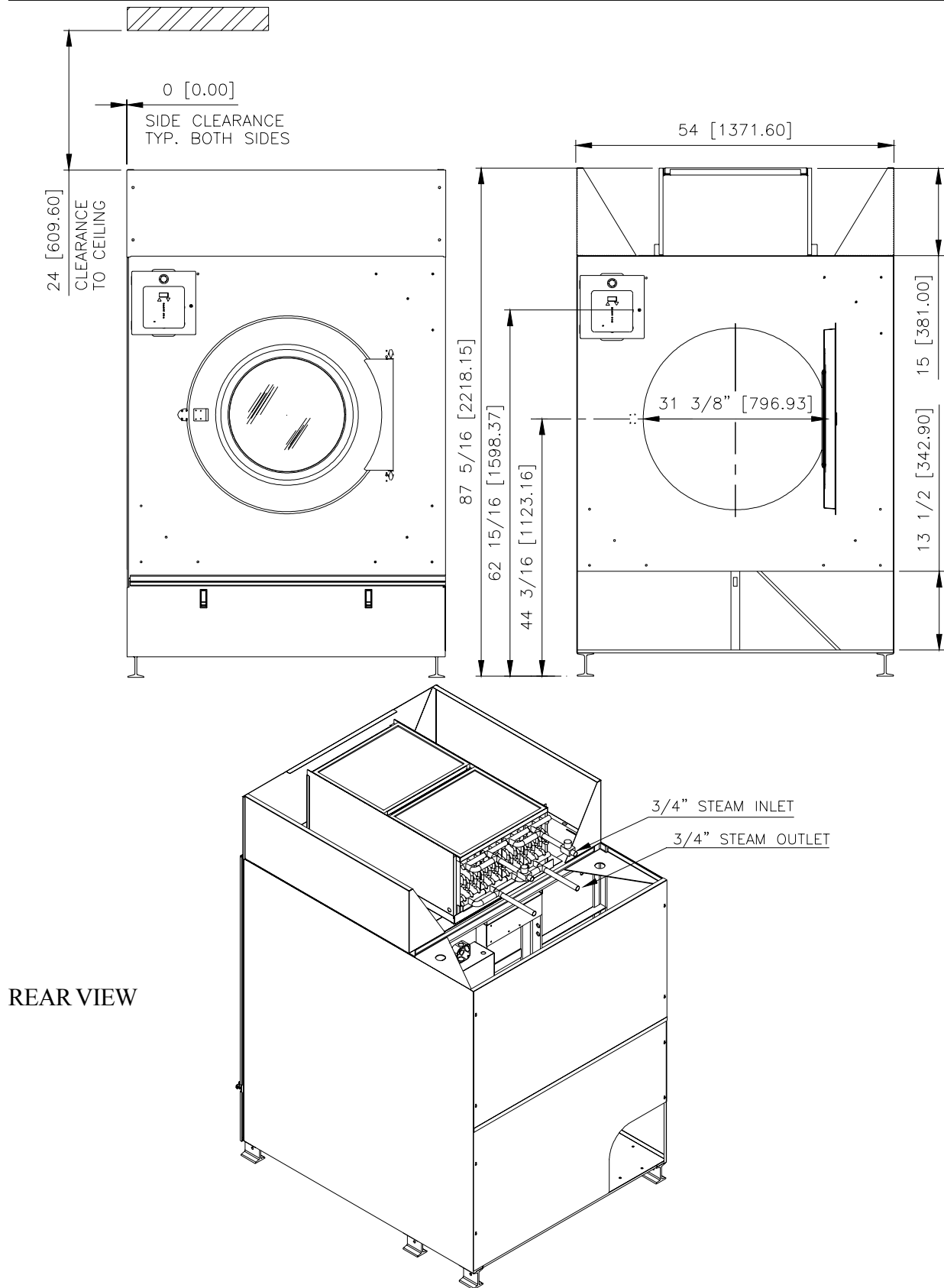
REAR VIEW DIMENSIONS



REAR COVER
NOT SHOWN

ALL DIMENSIONS ARE +/- 1/4" (6.4 MM) AND ARE SUBJECT TO CHANGE WITHOUT NOTICE

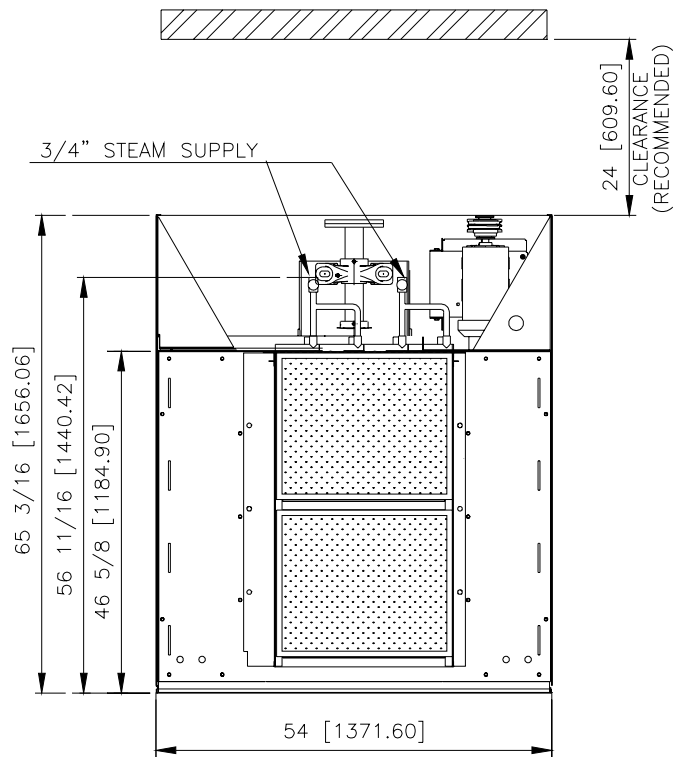
175 LB. STEAM DRYER SPECIFICATIONS (ILLUSTRATION)



ALL DIMENSIONS ARE +/- 1/4" (6.4 MM) AND ARE SUBJECT TO CHANGE WITHOUT NOTICE

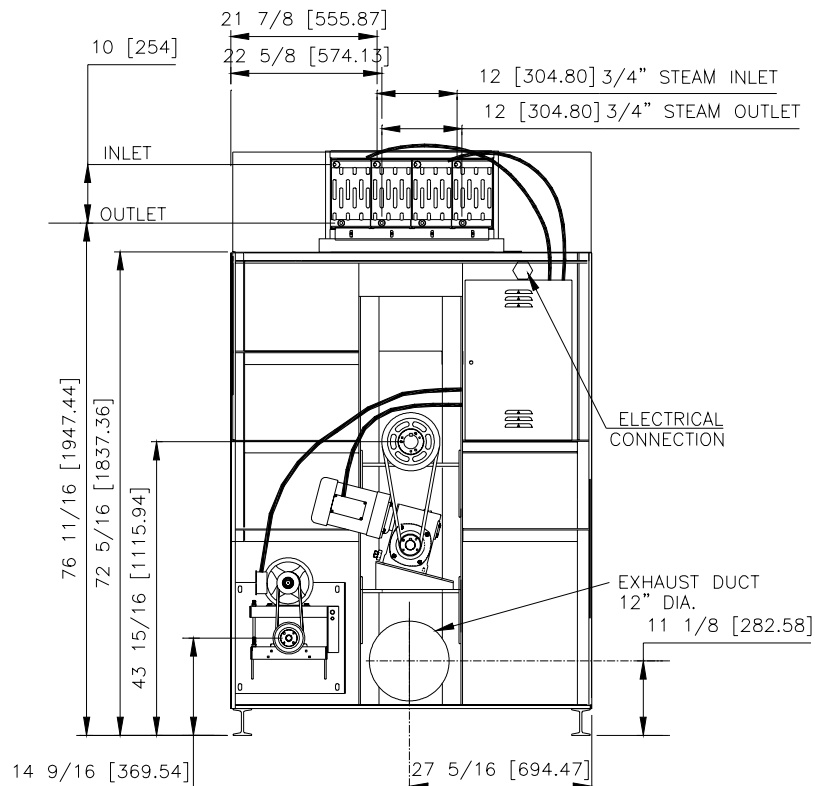
175 LB. STEAM DRYER SPECIFICATIONS (ILLUSTRATION)

TOP VIEW DIMENSIONS



REAR VIEW DIMENSIONS

REAR COVER
NOT SHOWN



ALL DIMENSIONS ARE +/- 1/4" (6.4 MM) AND ARE SUBJECT TO CHANGE WITHOUT NOTICE

Specifications for 175 lb. Gas Heated Dryer

GENERAL SPECIFICATIONS FOR 175 lb. GAS HEATED DRYERS

Basket Capacity	175 lb (79 kg) Dryweight
Electrical Specifications	208-240/60/3, 480/60/3, 220-380/50/3
Motor Size: Basket	2 Hp (1.49 kW)
Motor Size: Fan	5 Hp (3.73 kW)
Floor Space	89" H x 54" W x 65" D (2261 x 1372 x 1651 mm)
Door Opening	31-1/4" (794 mm)
Basket	52" dia. x 42" deep (1321 x 1067 mm)
Basket RPM: Reversing	30 rpm (w/ 3.2 reversals per minute)
Non-Reversing	30 rpm
Exhaust Duct	12" (3048 mm) dia.
Maximum Air Displacement	2,780 cfm (4726 m ³ /h)
Recomm. Oper. Range	2,300 cfm (3910 m ³ /h)
Gas/Elec. Net Weight	2,075 lb (941 kg)
Steam Net Weight	2,205 lb (1000 kg)
Gas/Elec. Shipping Weight	2,225 lb (1009 kg)
Steam Shipping Weight	2,355 lb (1068 kg)
Shipping Dimensions	89 1/2" H x 58" W x 77 3/4" D (2273 x 1473 x 1962 mm)
Crating Volume	232 ft ³ (6.57m ³)
Gas Supply	1 1/4" (DN32) pipe connection (1 1/4" SPT)
Input Rating	450,000 Btu/h (113,000 kcal/h)
Recommended Make-up Air	4.0 sq. ft. (576 sq. in., 3,744 sq. cm)

Specifications for 175 lb. Steam Heated Dryer

GENERAL SPECIFICATIONS FOR 175 lb. STEAM HEATED DRYERS	Basket Capacity	175 lb (79 kg)
	Electrical Specifications	208-240/60/3, 480/60/3, 220-380/50/3
	Motor Size: Basket	2 Hp (1.49 kW)
	Motor Size: Fan	5 Hp (3.73 kW)
	Floor Space	89" H x 54"W x 65" D (2261 x 1372 x 1651 mm)
	Door Opening	31-1/4" (794 mm)
	Basket	52" dia. x 42" deep (51.6 cu. ft.) (1321 x 1067 mm, 1461liter)
	Basket RPM: Reversing	30 rpm (w/ 3.2 reversals per minute)
	Non-Reversing	30 rpm
	Exhaust Duct	12" (3048 mm) dia.
	Maximum Air Displacement	2780 cfm (4726 m ³ /h)
	Recomm. Oper. Range	2300 cfm (3910 m ³ /h)
	Net Weight	1800 lb (816 kg)
	Shipping Weight	1950 lb (885 kg)
	Shipping Dimensions	89 1/2" H x 58" W x 77 3/4" D (2273 x 1473 x 1962 mm)
	Crating Volume	232 ft ³ (6.57 m ³)
	Input Rating	12.5 BHP (105,588 kcal/h)
	Pressure	125 psi max
	Steam Supply Connection	3/4" SPT (DN20)
	Steam Return Connection	3/4" SPT (DN20)

175 lb. Steam Heated Laundry Dryers - Specifications

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 to a cold water pipe. 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, ANSI/NFPA 70* or the *Canadian Electrical Code, CA C22.1*.

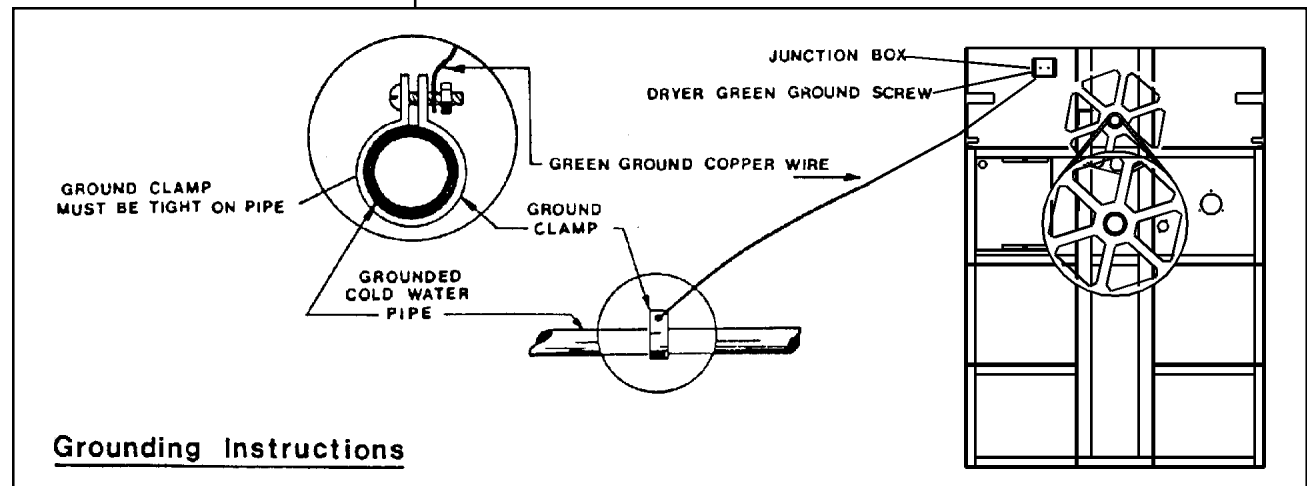
See wiring diagram furnished with dryer. Your dryer is completely wired at the factory and it is only necessary for the electrician to connect the power leads to the wire connectors with the service connection box on the rear of the dryer. Do not connect the dryer to any voltage or current other than that specified on the dryer rating plate. (Wiring diagram is located on rear wall of dryer.)

All panels must be in position before operation of dryer.

CAUTION: Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper operation.

Attention. Lors des opérations d'entretien des commandes, étiqueter tous les fils avant de les déconnecter. Toute erreur de câblage peut être une source de danger et de panne.

(ILLUSTRATION) GROUNDING INSTRUCTIONS



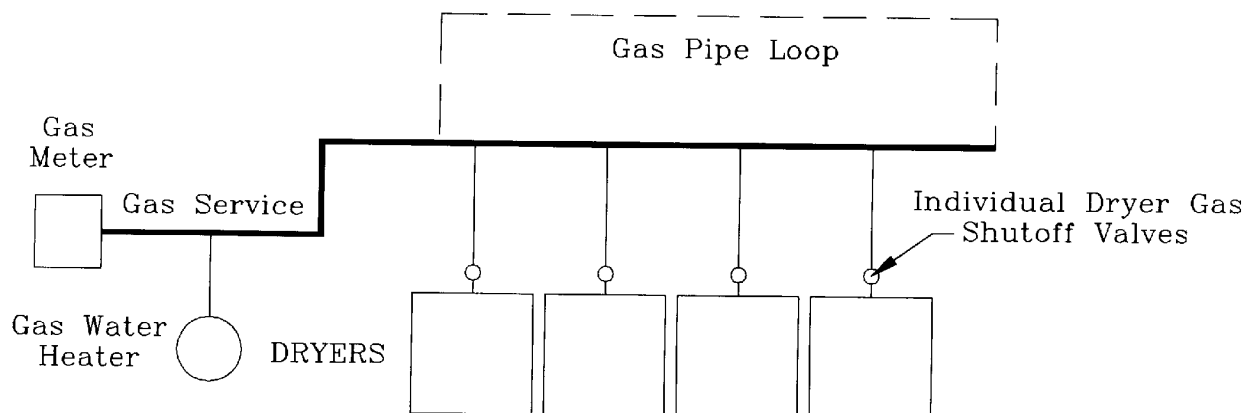
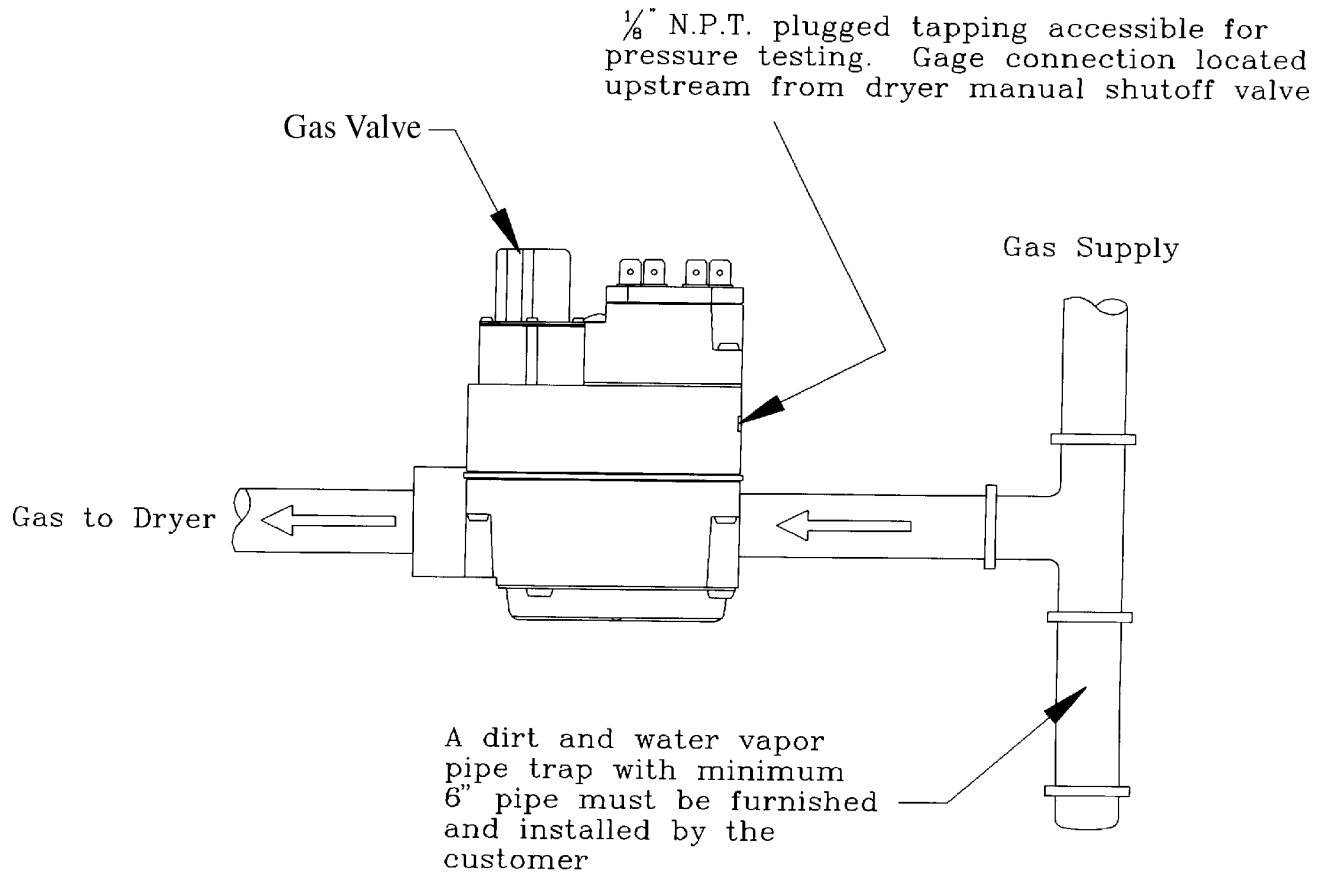
Main Drive Motors

Motor No.	Voltage	Hz.	Phase	HP	Amps	RPM	B/F	Enclosure
MTR316	208-240	60	3	2	6.0 - 5.4	1750	Basket	TEFC
MTR316	440 - 480	60	3	2	2.7	1750	Basket	TEFC
MTR316	220/380	50	3	2	6.0/3.4	1425	Basket	TEFC
MTR316	240/415	50	3	2	5.5/3.2	1425	Basket	TEFC
MTR309	208-240	60	3	5	13.0	3450	Fan	ODP
MTR309	440-480	60	3	5	6.5	3450	Fan	ODP
MTR311	208-240	60	3	5	13.4-12.4	3474	Fan	TEFC
MTR311	440-480	60	3	5	6.2	3474	Fan	TEFC
MTR293	220/380	50	3	5	12.6/7.3	2900	Fan	ODP
MTR293	240/415	50	3	5	11.7/6.7	2900	Fan	ODP

Gas Pipe Size Chart

TOTAL BTU/HR (for LP Gas correct total BTU/HR below by multiplying by .6)	TOTAL KCAL	GAS PIPE SIZE FOR 1000 BTU (250 KCAL) NATURAL GAS AT 7" (17.8 CM) W.C. PRESSURE					
		In figuring total length of pipe, make allowance for tees and elbows.					
		(25 ft.) 7,62 m	(50 ft.) 15,24 m	(75 ft.) 22,86 m	(100 ft.) 30,48 m	(125 ft.) 38,1 m	(150 ft.) 45,72 m
60,000	15000	3/4	3/4	3/4	3/4	3/4	3/4
80,000	20000	3/4	3/4	3/4	1	1	1
100,000	25200	3/4	3/4	1	1	1	1
120,000	30200	3/4	1	1	1	1	1
140,000	35200	3/4	1	1	1	1	1 1/4
160,000	40300	3/4	1	1	1 1/4	1 1/4	1 1/4
180,000	45300	1	1	1	1 1/4	1 1/4	1 1/4
200,000	50400	1	1	1 1/4	1 1/4	1 1/4	1 1/2
300,000	75600	1	1 1/4	1 1/4	1 1/2	1 1/2	1 1/2
400,000	100800	1 1/4	1 1/4	1 1/2	1 1/2	1 1/2	2
500,000	126000	1 1/4	1 1/2	1 1/2	2	2	2
600,000	151200	1 1/2	1 1/2	2	2	2	2
700,000	176400	1 1/2	2	2	2	2	2 1/2
800,000	202000	1 1/2	2	2	2	2 1/2	2 1/2
900,000	230000	2	2	2	2 1/2	2 1/2	2 1/2
1,000,000	250000	2	2	2	2 1/2	2 1/2	2 1/2
1,100,000	270000	2	2	2 1/2	2 1/2	2 1/2	2 1/2
1,200,000	300000	2	2	2 1/2	2 1/2	2 1/2	2 1/2
1,300,000	330000	2	2 1/2	2 1/2	2 1/2	2 1/2	3
1,400,000	350000	2	2 1/2	2 1/2	2 1/2	3	3
1,500,000	380000	2	2 1/2	2 1/2	2 1/2	3	3
1,600,000	400000	2	2 1/2	2 1/2	3	3	3
1,700,000	430000	2	2 1/2	2 1/2	3	3	3
1,800,000	450000	2 1/2	2 1/2	3	3	3	3
1,900,000	480000	2 1/2	2 1/2	3	3	3	3
2,000,000	504000	2 1/2	2 1/2	3	3	3	3 1/2
2,200,000	550000	2 1/2	3	3	3	3 1/2	3 1/2
2,400,000	605000	2 1/2	3	3	3	3 1/2	3 1/2
2,600,000	650000	2 1/2	3	3	3 1/2	3 1/2	3 1/2
2,800,000	705000	2 1/2	3	3	3 1/2	3 1/2	3 1/2
3,000,000	750000	2 1/2	3	3 1/2	3 1/2	3 1/2	4
3,200,000	806000	3	3	3 1/2	3 1/2	3 1/2	4
3,400,000	850000	3	3 1/2	3 1/2	3 1/2	4	4
3,600,000	907000	3	3 1/2	3 1/2	3 1/2	4	4
3,800,000	960000	3	3 1/2	3 1/2	4	4	4
4,000,000	1000000	3	3 1/2	3 1/2	4	4	4

Gas Piping Installation (Illustration)



Gas Piping Installation

GAS PIPING INSTALLATION



1. Gas service installation must conform with local codes, or in the absence of local codes with the *National Fuel Gas Code, ANSI Z223.1* or the *CAN/CGA-B149, Installation Codes*.
2. Check rating plate located on rear wall of dryer, for type of gas to equip the dryer and the altitude (elevation).
3. Check with the gas supplier for the gas pressure and the proper gas supply line installation.

NOTE: The dryer and its individual shutoff valve must be disconnected from the gas supply piping system during any pressure testing of that system at test pressures in excess of 1/2 psi (3.5 kPa).

The dryer must be isolated from the gas supply piping system by closing its individual manual shutoff valve during any pressure testing of the gas supply piping system at test pressures equal to or greater than 1/2 psi (3.5 kPa).



NATURAL GAS ONLY



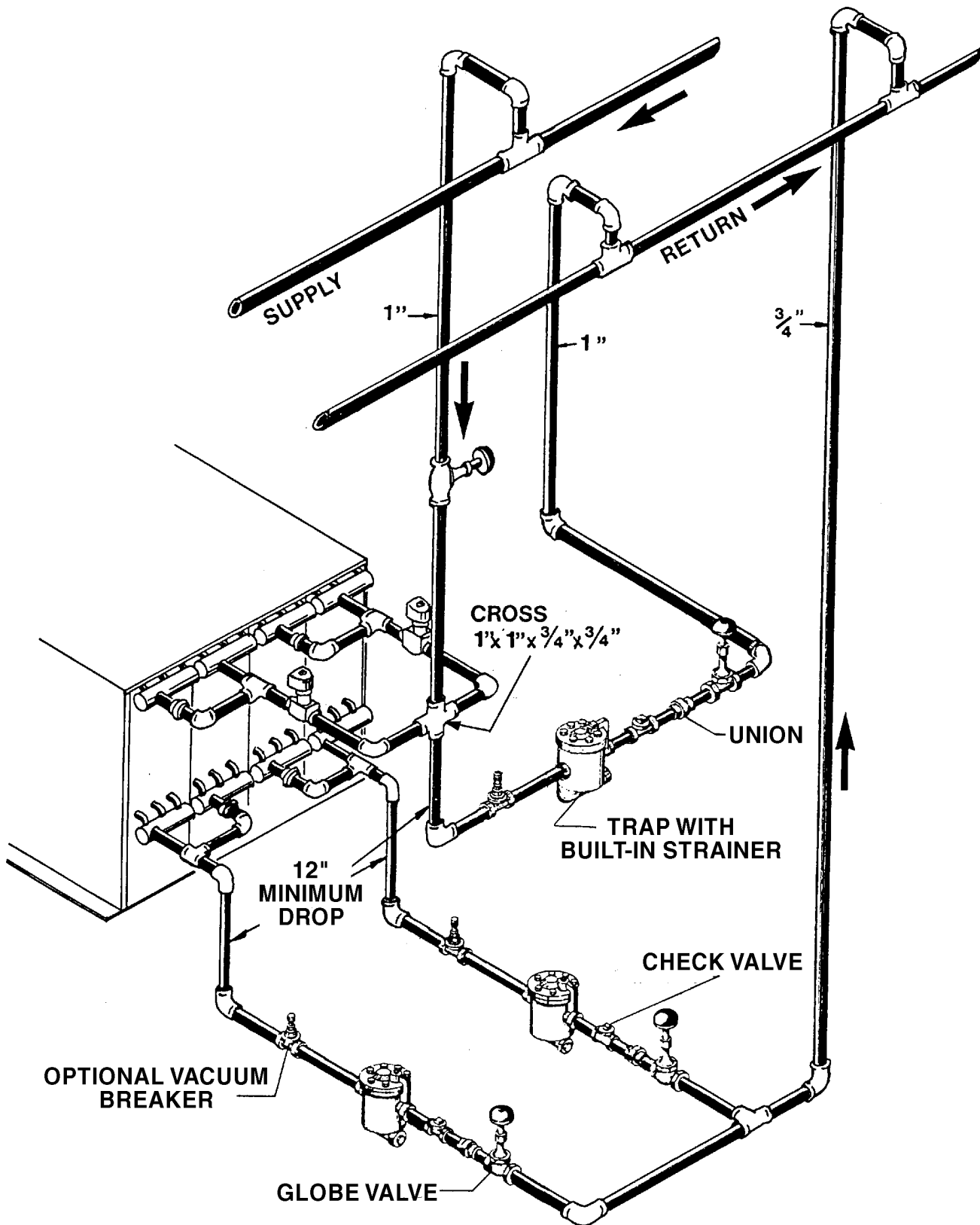
CAUTION: Low gas pressure and intermittent gas will cause gas ignition problems. This will cause inadequate drying of the clothes load.

NATURAL GAS ONLY: Check the gas pressure inlet supply to the dryer, 11 inches WC pressure maximum. Check the manifold pressure, 3.5 inches WC pressure inside the dryer.

CAUTION: Gas loop piping must be installed as shown on the previous page, to maintain equal pressure for all dryers connected to a single gas service. Install other gas appliances upstream from the loop.

Specific gas pipe size should be obtained from your supplier or refer to the Gas Pipe Size Chart in this manual.

Steam Piping Installation (Illustration)



INDIVIDUALLY TRAPPED COILS ARE RECOMMENDED RATHER THAN MANFOLDING RETURN INTO ONE TRAP.

Steam Piping - Installation Instructions

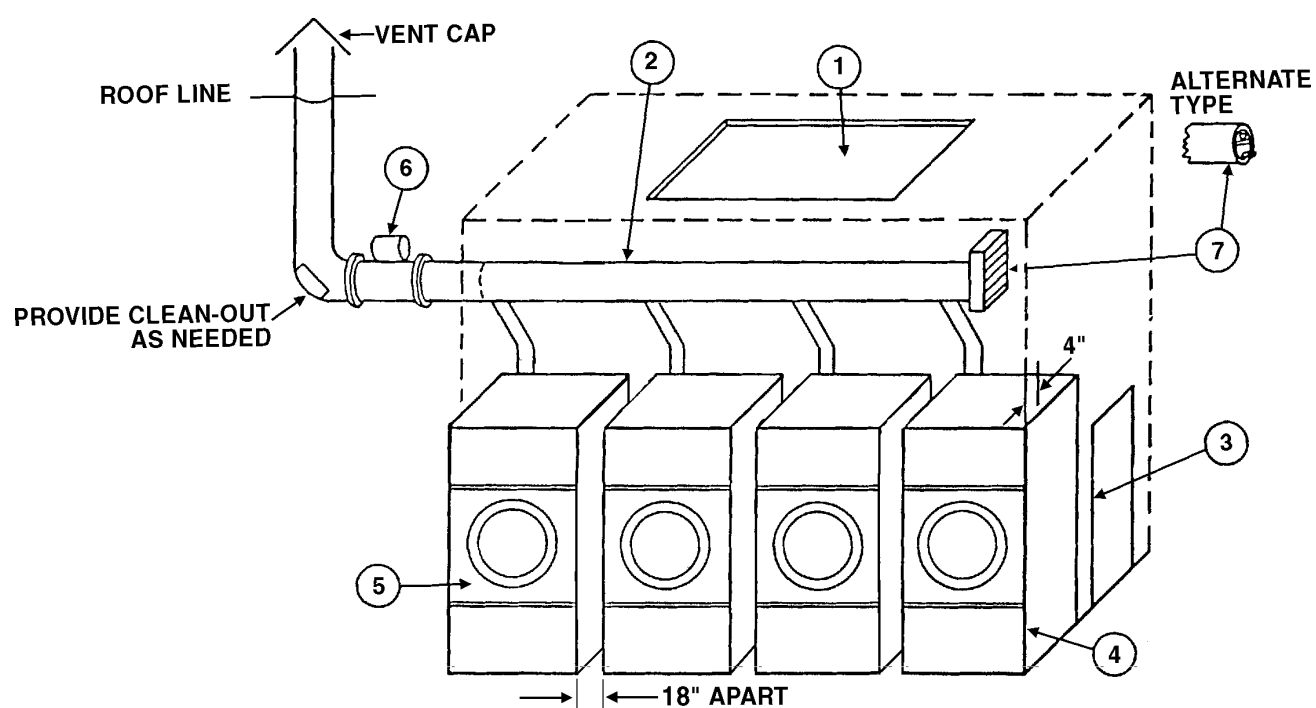
STEAM PIPING INSTALLATION INSTRUCTIONS

1. Set and anchor dryer in position. Machine should be level to assure proper steam circulation.
2. To prevent condensate draining from headers to dryer, piping should have a minimum 12" above respective header. Do not make steam connection to header with a horizontal or downwardly facing tee or elbow.
3. Whenever possible, horizontal runs of steam lines must drain, by gravity, to respective steam header. Water pockets, or an improperly drained steam header will provide wet steam, causing improper operation of dryer. If pockets or improper drainage cannot be eliminated, install a by-pass trap to drain condensate from the low point in the steam supply header to the return.
4. In both steam supply and steam return line, it is recommended that each have a union and a globe valve. This will enable you to disconnect the steam connections and service the dryer while your plant is in operation.
5. Before connecting trap and check valve to dryer, open globe valve in steam supply line and allow steam to flow through dryer to flush out any dirt and scale from dryer. This will assure proper operation of trap when connected.
6. After flushing system, install bucket trap (with built-in strainer) and check valve. For successful operation of dryer, install trap 18" below coil and as near to the dryer as possible. Inspect trap carefully for inlet and outlet markings and install according to trap manufacturer's instructions. If steam is gravity returned to boiler, omit trap but install check valve in return line near dryer.
7. Install union and globe valve in return line and make final pipe connections to return header.

PIPING RECOMMENDATIONS

1. Trap each dryer individually. Always keep the trap clean and in good working condition.
2. When dryer is on the end of a line of equipment, extend header at least 4 feet beyond dryer. Install globe valve, union, check valve and by-pass trap at end of line. If gravity return to boiler, omit trap.
3. Insulate steam supply and return line for safety of operator and safety while servicing dryer.
4. Keep dryer in good working condition. Repair or replace any worn or defective parts.

Dryer Installation with Multiple Exhaust (Illustration)



Dryer Installation with Multiple Exhaust

DRYER INSTALLATION WITH MULTIPLE EXHAUST

For Exhaust Duct more than 14 feet and 2 elbows equivalent and more than 0.6 inches static pressure.

(See illustration on previous page.)

1. Make-up air from outside building may enter enclosure from top or side walls. For area of make-up air opening refer to “Minimum Dryer Make-up Air Requirements” chart at end of manual.
2. Use constant diameter duct with area equal to the sum of dryer duct areas.

EXAMPLE: 6-8 inches diameter duct = (1) 19.6 inches diameter duct in area. Use 20 inches diameter duct or diameter to match tube-axial fan.

3. Enclosure (plenum) with service door. This separates the dryer air from room comfort air. If dryers use room air instead of outside air, the heat loss can be another 25 Btu/h for each cubic foot per minute (cfm) used.
4. Heat loss into laundry room from dryer fronts *only* is about 60 Btu/h per square foot.
5. Flange mounted, belt driven tube-axial fan. Fan must be run when one or more dryers are running. *See suggested Automatic Electrical Control Wiring Diagram on next page.* Must meet local electrical codes. Fan air flow (cfm) is equal to sum of dryer air flows, but static pressure (SP) is dependent on length of pipe and number of elbows.
6. Barometric Bypass Damper - Adjust to *closed flutter position* with all dryers and exhaust fan running. Must be located with enclosure.

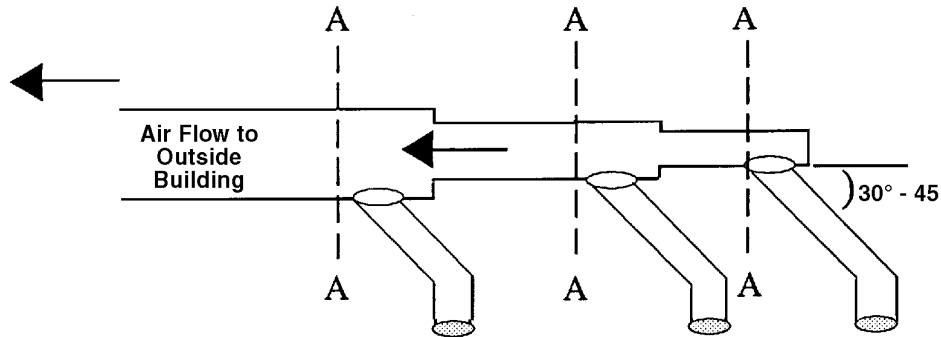


CAUTION

Never install hot water heaters or other gas appliances in the same room as dryers. Never install cooling exhaust fans in the same room as dryers.

Dryer Installation with Multiple Exhaust

For Exhaust Duct less than 14 feet and 2 elbows equivalent and less than 0.6 inches static pressure.



DRYER EXHAUSTS

Area of section "A-A" must be equal to the sum of dryer exhaust pipes entering multiple exhaust pipe. (See chart below.)

MODELS: L28FD30, L28US30, L36FD30, L36UR30, L36CD36, L44FD42

No. of Dryers	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Duct Diameter (in inches)	6	9	11	12	14	15	16	17	18	19	20	21	22	23	23	24	25	26	26	27	28	28	29	30
Duct Diameter (in cm)	15	23	27	30	35	38	41	43	46	48	51	53	56	58	58	61	63	66	66	68	71	71	73	76

MODELS: L28CD30, L28UR30, L36CD30, L36UR30, L36CD36, L44FD42

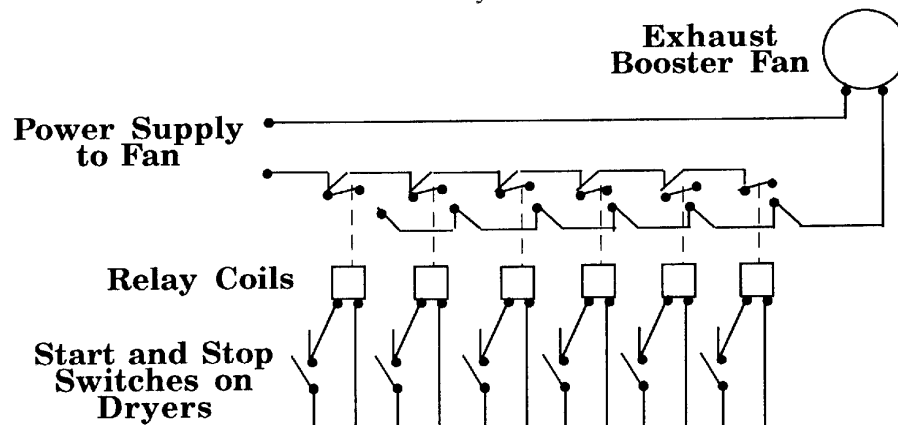
No. of Dryers	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Duct Diameter (in inches)	8	12	14	16	18	20	22	23	24	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
Duct Diameter (in cm)	20	30	25	41	46	51	56	58	61	66	68	71	73	76	78	81	84	86	89	91	94	97	99	100

MODELS: L44CD42, L50CD42, L52CD48

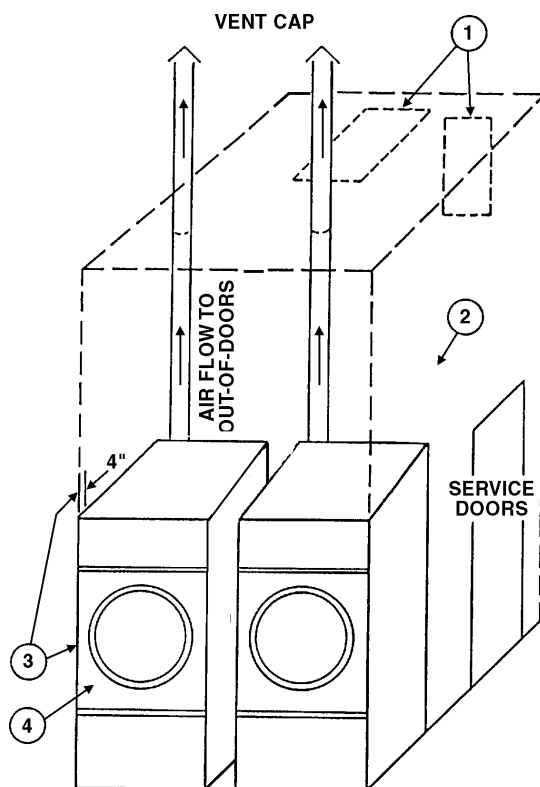
No. of Dryers	1	2	3	4	5	6	7	8	9	10	11	12
Duct Diameter (in inches)	12	17	21	24	27	30	32	34	36	38	40	42
Duct Diameter (in cm)	30	43	53	61	68	76	81	86	91	97	100	106

AUTOMATIC ELECTRICAL CONTROL FOR EXHAUST FAN

For one or more dryers to start fan.



Dryer Installation With Separate Exhaust (Preferred)



DRYER INSTALLATION WITH SEPARATE EXHAUST (PREFERRED)

For ductwork less than 14 feet and 2 elbows equivalent and less than 0.6 inches static pressure.

NEVER exhaust the dryer into a chimney.

NEVER install wire mesh screen over the exhaust or makeup air area.

NEVER exhaust into a wall, ceiling, or concealed space.

1. Make-up air opening from outside the building may enter the enclosure from the top or side walls. The area of the opening should be equal to 4 to 6 times the sum of the dryer duct areas. Provide 1 square foot for each 6 inches diameter; 2 square feet for each 8 inches diameter; and 4 square feet for each 12 inches diameter.
2. Enclosure (plenum) with service door. This separates the dryer air from the room comfort air. If dryers use room air instead of outside air, additional heat loss can be another 25 Btu/h for each cubic foot per minute (cfm) used.
3. Heat loss into laundry room from dryer front panels is about 60 Btu/h per square foot.

Exhaust and Venting

DRYER AIR FLOW INSTALLATION

Nothing is more important than air flow for the proper operation of a clothes dryer. A dryer is a pump which draws make-up air from the out-of-doors, through the heater, through the clothes and then forces the air through the exhaust duct back to the out-of-doors. Just as in a fluid water pump, there must be the proper fluid air flow out of the exhaust duct.

In summary, there must be the proper size out-of-doors inlet air opening (4-6 times the combined areas of the air outlet) and an exhaust duct, size and length of which allows flow through the dryer with no more than 0.6 inches water column static pressure in the exhaust duct.

In some instances, special fans are required to supply make-up air, and/or boost exhaust fans are required for both regular and energy savings models.

FOR BEST DRYING

FOR BEST DRYING:

1. Exhaust duct maximum length 14 feet of straight duct and maximum to two 90° bends.
2. Use 45° and 30° elbows wherever possible.
3. Exhaust each dryer separately.
4. **Do not** install wire mesh or other restrictions in the exhaust duct.
5. Use clean-outs in the exhaust duct and clean periodically when needed.
6. **Never** exceed 0.6 inches water column static pressure in the exhaust duct.
7. Inside surface of the duct must be smooth.
8. Recommend pop rivets for duct assembly.

FOR BEST DRYING

FOR BEST DRYING:

1. Provide opening to the out-of-doors in accordance with the following:

For each dryer -

8 inches diameter exhaust requires 2 square feet make-up air.

12 inches diameter exhaust requires 4 square feet make-up air.

2. Use barometric shutters in the inlet air opening to control air when dryers are not running.

OTHER RECOMMENDATIONS

OTHER RECOMMENDATIONS

To assure compliance, consult local building code requirements.

TROUBLESHOOTING

TROUBLESHOOTING

Hot dryer surfaces, scorched clothes, slow drying, lint accumulations, or air switch malfunction are indicators of exhaust duct and/or make-up air problems.

Rules for Safe Operation of Your Dryer

RULES FOR SAFE OPERATION OF YOUR DRYER

RULES

1. Be sure your dryer is installed properly in accordance with the recommended instructions.
2. **CAUTION**
Be safe - Shut main electrical power supply and gas supply off externally before attempting service.
3. **CAUTION**
 - a. **Never** use dry cleaning 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; a full lint screen may be a fire hazard.
 - e. **Never** use heat to dry items that contain plastic, foam, or sponge rubber, or rags coated with wax or paint. The heat 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 the dryer door opening and top (or the lint drawer) as a step stool.
6. Read and follow manufacturer's instructions on packages of laundry and cleaning aids. Heed any warnings or 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.



NOTE:

It is best to run a properly sized load of rags and/or old towels through one or two cycles prior to drying in service. This process will remove any films or residual coatings left by the manufacturing processes.

Rules for Safe Operation of Your Dryer



CAUTION

Synthetic solvent *fumes* from dry cleaning 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 the dry cleaning machines are in the same area as the tumbler, then the tumbler *make-up air* must come from a source free of solvent fumes.

ENERGY SAVING TIPS

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 lightweight fabrics separately from heavy fabrics. You'll use less energy and get more even drying results by drying fabrics of similar weight together.
4. Clean the lint screen after each load. A clean lint screen helps give faster, more economical drying.
5. Don't open the dryer door while drying. You let warm air escape from the dryer into the room.
6. Unload your dryer as soon as it stops. This saves having to re-start your dryer to remove wrinkles.

ABOVE 2,000 FEET

ELEVATIONS ABOVE 2,000 FEET

Input ratings shown on the rating plate (serial tag) are for elevations up to 2,000 feet. For elevations above 2,000 feet, rating should be reduced at a rate of 4% for each 1,000 feet above sea level.

Service Savers

TROUBLESHOOTING

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

DRYER WON'T START

1. Is the door completely closed?
2. Are the controls set to the “**on**” position?
3. Is there time on both timers?
4. Did you push the “**push to start**” button?
5. Has a fuse blown or a circuit breaker tripped?
6. Are the fuses tight?
7. Check for low voltage.

DRYER WON'T HEAT

DRYER WON'T HEAT

1. Is the dryer set for “**cooling time**” rather than “**drying time**”?
2. Are the gas valve in the dryer and the gas shut off valve on the main gas line turned on?
3. Check for low or intermittent gas pressure.

CLOTHES ARE NOT SATISFACTORILY DRY

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. (*For Moisture Control models*) Was the moisture level setting incorrect? (*Too high?*)

GAS DRYER IGNITION

GAS DRYER IGNITION

Refer to the page on “*Instructions for the Direct Ignition System Operation*”. Check to see if the manual gas valve is open. Then reset the dryer controls. All panels, covers, and doors must be in place and closed before starting the dryer. The ignition module ground wire must be securely grounded to the machine (both sides on gas unit).

VERY IMPORTANT

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

Troubleshooting Chart

TROUBLE	CAUSE	REMEDY
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.
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. NOTE: This dryer has two ignition systems, valves, etc. Be sure to check both systems.	Incorrect voltage.	Check for correct control voltage - 24V.
	No voltage.	Check power supply, check secondary voltage on transformer and check wiring and wiring diagram.
	Spark igniter not sparking.	May be broken or defective high voltage lead. Module not receiving correct input to ignite. See pages 35-36 for Direct Spark Ignition process. Make sure ignition module ground wire is securely grounded to the machine (both sides).
	Defective gas valve.	Check continuity across unplugged valve. If defective, replace coil assembly.
	Gas turned off.	Turn manual gas valve "ON".

Troubleshooting Chart

TROUBLE	CAUSE	REMEDY
Dryer runs, but no heat (continued).	Line fuse or heater circuit fuse blown to unit.	Replace fuse.
	Defective door switch.	Check continuity across contacts, opened & closed. If defective, 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 back panel or right panel at front bottom corner and inserting the rubber tube of the vacuum gauge into screw opening.
	Air switch out of adjustment.	See air switch adjustment sheet in service section of manual.
	Air switch defective.	Check continuity across contacts, opened and closed. If defective, replace switch with power off. Check manifold pressure and adjust to pressure
	Gas pressure too low.	specified on rating plate. If this pressure cannot be obtained, have gas supplier check main pressure.
	Improper orifice.	Dryer is orificed for type of gas specified on rating plate. Check with gas supplier to determine specifications for gas being used. If different from rating plate, contact factory to obtain proper orifices.
	Electric power to heating unit turned off.	Turn power on.

Troubleshooting Chart

TROUBLE	CAUSE	REMEDY
Dryer runs, but no heat (continued).	Defective thermostat.	Check continuity across thermostat. Limiting or safety thermostats are normally closed. If open, replace thermostat.
	Defective safety overload thermostat.	See above.
	Lint compartment drawer open.	Close drawer.
Main burners burning improperly.	Dirt in burner.	Blow out.
	Gas pressure too high.	Check rating plate for correct gas pressure.
	Orifice too large.	Send to factory for correct orifices.
	Restricted or blocked exhaust.	Clean exhaust.
	Incorrect or poor gas mixture.	Check with gas supplier for correct specifications of gas used; must match rating plate.
Low gas flame or high gas flame.	Incorrect main burner orifices.	Replace orifices -- check factory for correct size.
Dryer too hot.	Incorrect main burner orifices.	Replace orifices -- check factory for correct size.
	Inadequate make-up air.	Make-up air must be 4 to 6 times the exhaust area of the dryer.
	Lint accumulated.	Remove lint.
	Exhaust duct dampers.	Must be full open when dryer is in operation or replace.
	Gas pressure too high.	Adjust gas pressure as specified on rating plate. Check installation sheet in service section of
	Partially restricted or inadequately sized exhaust system.	manual for recommended sizes. Check for and remove obstructions or lint build-up from duct work. Never use smaller size exhaust duct. Always use larger size exhaust duct.
	Defective thermostat.	When flame or heat is passed over, thermostat circuit should open. Audible click will usually be heard. If continuity remains, thermostat is defective. Replace thermostat.

Troubleshooting 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 clockwise 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.
	Inadequate air.	Check installation sheet in service section of this manual for recommended make-up air openings.
	Poor housekeeping.	Clean lint accumulation on and around motors. Motors should not be covered with or filled with lint.
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	Check continuity across switch with power off, in closed and open switch. If no continuity, replace switch.
	Defective basket motor contactor.	Push in contactor trip button. If motor starts, check voltage going to pull-in solenoid. If present, replace contactor. If not, problem is before motor contactor.
Basket will not reverse.	Reversing timer.	Adjust timer (see Maintenance Section).
		Check timer to see if it is working.

Troubleshooting Chart

TROUBLE	CAUSE	REMEDY
Dryer does not stop at end of time period (6).	Defective timer.	Replace timer.
Dryer runs no steam to coils.	Valve closed.	Check all valves in steam supply and return -- make sure they are open.
	Steam trap blocked.	Remove and clean. Replace if defective.
	Solenoid valve.	On dryers using solenoid temperature control, check operation of solenoid valve by advancing thermostat.
	Thermostat.	On dryers using solenoid temperature control, thermostat controls operation of solenoid valve. If defective, replace thermostat.
	Check valve installed incorrectly.	Check for inlet and outlet marking on check valve, and invert if necessary.
	Strainer clogged.	Remove plug and blow down strainer or remove and clean thoroughly if heavily clogged.
Water in steam line.	Steam piping installed incorrectly.	Check piping per steam installation instructions.
	Trap not functioning.	Check trap for size and capacity. If dirty and sluggish, clean thoroughly or replace. Check return line for high back pressure, or another trap charging against the trap functioning improperly. Check voltage to damper motors.
No heat to drum	Dampers not operating correctly.	Adjust dampers to close when calling for heat.

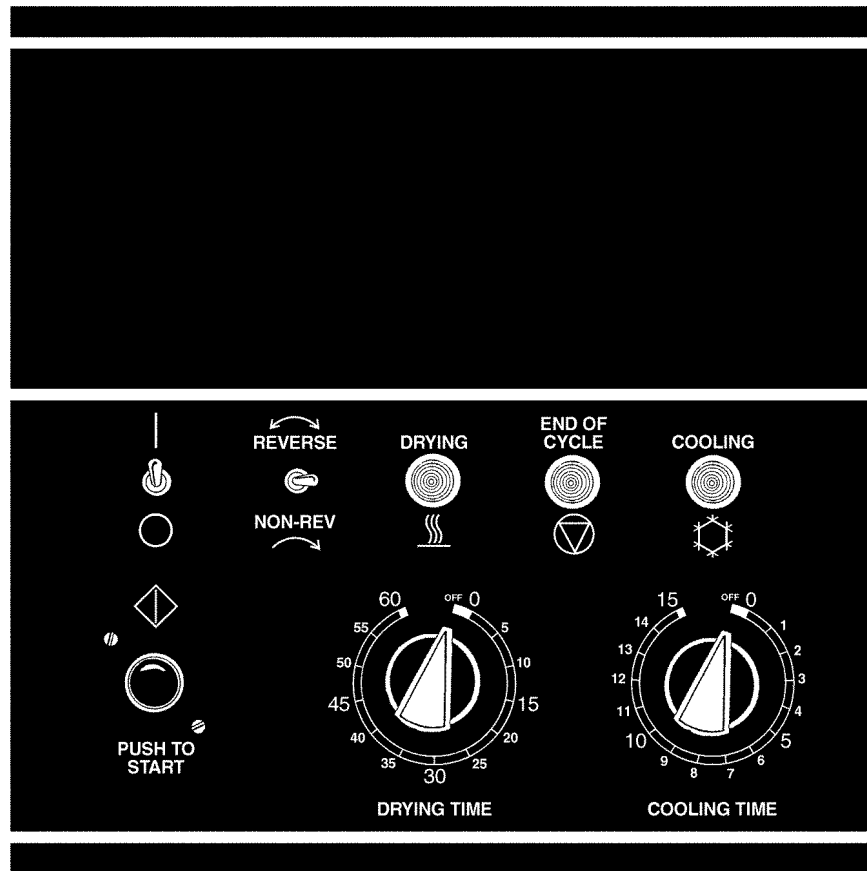


Fig. 1

Fig. 2 Temperature Selection

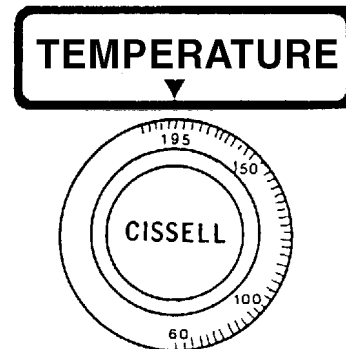
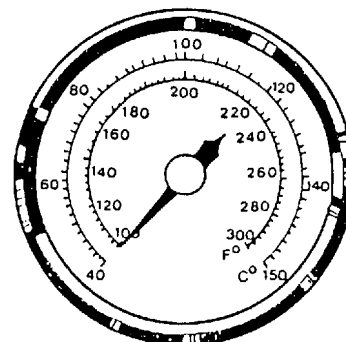


Fig. 3 Thermometer



Operating Instructions - Two Timer Models

OPERATING INSTRUCTIONS - TWO TIMER MODELS

1. After loading the dryer tumbler with water washed clothes load, proceed to close the loading door. For better drying, do not load dryer with combination of garments that twist.
2. Turn the 60-minute drying timer to the desired drying time. The drying cycle light will be on and indicate the drying. The light shuts off when drying time is complete. (See figure 1)
3. Turn the 15-minute cooling cycle timer to the desired cool down time. (**Note: Dryer will not start unless some cooling time is selected!**). After the drying cycle is completed, then the cooling cycle time will automatically operate. The cooling light will be on and indicate the cooling of the clothes load. The light shuts off when cooling time is completed. (See figure 1)
4. **Temperature Selector** - Select temperature per type of load being dried in the dryer. (See figure 2)
High Heat - Mixed and heavy fabrics, set dial to 195° F (91° C).
Normal - Cottons and linens, set dial to 170° F (77° C).
Permanent Press Heat - Poly knit synthetics, blends, lightweight fabrics, set dial to 150° F (66° C).
Low Heat - Delicate, sheer fabrics, easy-to-dry, set dial to 135° F (58° C).
5. **Thermometer** - Use this with your temperature selection. Teach yourself what temperature is too hot or too cold. (See figure 3)
6. Turn switch to "start" position. (See figure 1)
7. Close the dryer door, but the basket will not rotate until the **PUSH-TO-START BUTTON** is pressed. Press in the **PUSH-TO-START BUTTON** (approximately 2 seconds) until the dryer starts running and then release button. (See figure 1)

What is happening to the drying operation:

- a. The fan motor will operate.
 - b. The basket will rotate.
 - c. The heat source will be energized.
 - d. The heated air mix with the water washed clothes to evaporate the moisture from the garments.
 - e. The thermostats will function to maintain a safe temperature throughout the drying cycle.
 - f. The heat will be shut off and the motor will continue to run to cool the dry load to a desired handling temperature.
8. When the drying timer completes its time, then the cooling timer will be energized and the cooling light will be "On". When the cooling light will stay "On" and the "End-of-Cycle" light will be "On". The "End-of-Cycle" light will go off when the "Start/Stop" switch is turned to "Off" or "O". At the end of the cool-down cycle, the clothes load is dry.
 9. To shut the dryer "Off", move the "Start/Stop" switch to "Off" or "O" position. This switch is a safety switch to immediately stop the dryer's operation.

Special Reversing Feature - Set the "Reversing/Non-Reversing" switch to "Reversing". See service manual for setting of time of each reversal. Reversing of the basket is designed for loads that twist (example - bed sheets and large mixed loads). "Non-Reversing" is for small or medium-size items that don't twist.

Direct-Spark Ignition Operation

DIRECT SPARK IGNITION OPERATION

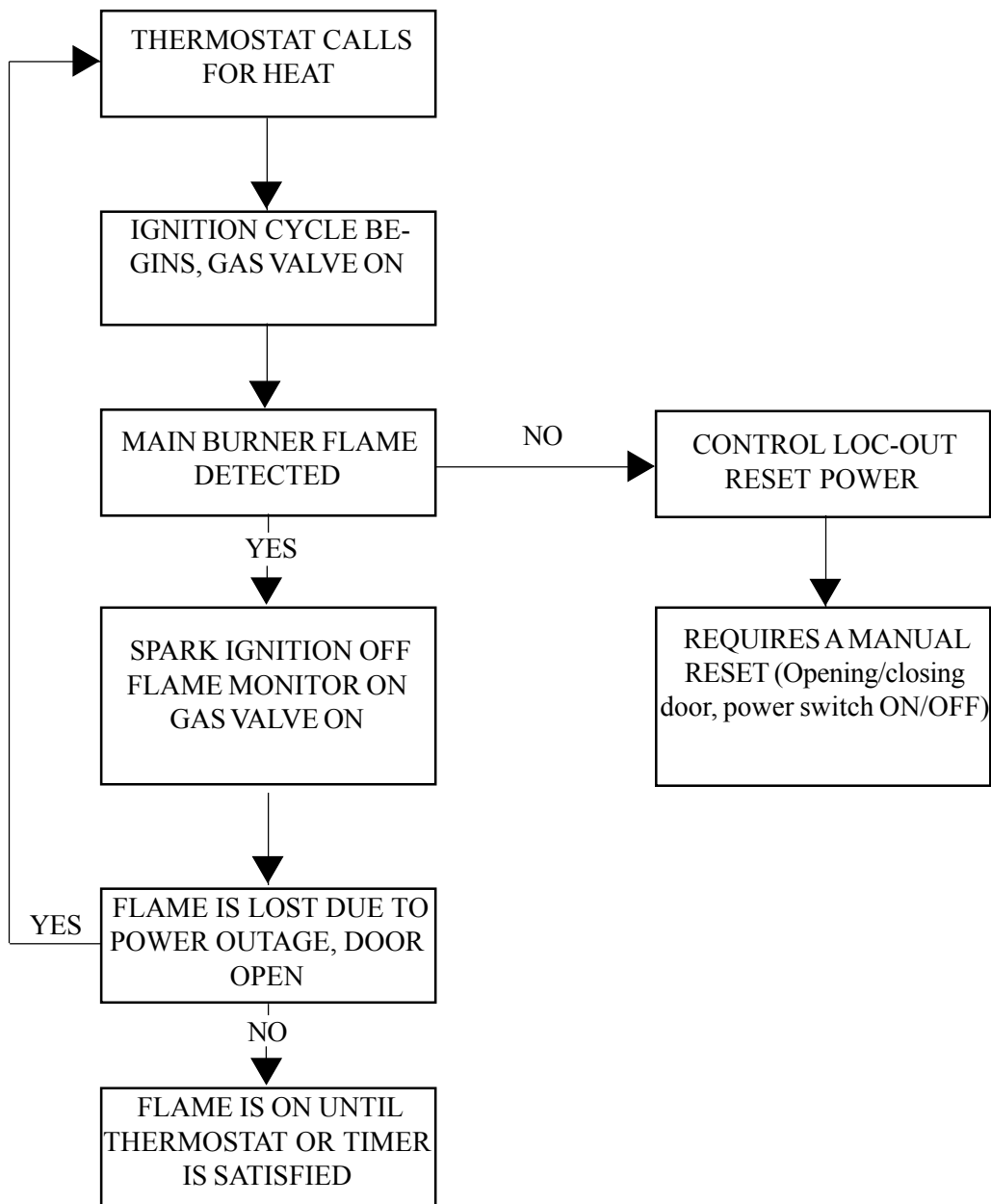
NOTE: Some models are equipped with a dual ignition system. The dual ignition system contains two direct spark ignition modules in parallel. Each module has its own flame sense circuit and acts independently of the other. If either bonnet limit thermostat opens because of high heat or flame impingement, the entire ignition system will shut down.

1. When a call for heat is received from the control supplying 24VAC to the ignition control module, the pre-purge delay timer begins. This delay time allows any air/sediment to be ejected prior to burner ignition. Following the pre-purge delay period, the gas valve is energized and the spark ignitor sparks for the trial for ignition period.
2. When a flame is detected during the trial for ignition period, the spark ignitor shuts off and the gas valve remains energized.
3. If no flame is detected by the flame sense circuit, the ignition control module will go into safety lockout. The valve will be turned off immediately. If the module has multiple retries and no flame is detected, the gas valve is de-energized and the module goes into an interpurge delay. After this delay, the module will attempt another trial for ignition period. This will continue until the number of retries has been used up. At that time, the module will go into safety lockout.
4. Recovery from safety lockout requires one of the following:
 - a. A manual reset by opening and closing the loading door.
 - b. After one hour if the control thermostat is still calling for heat, the module will automatically reset and the trial for ignition period will start over. The push-to-start button must be pushed to start the process going again.
5. Opening the loading door will cause the flame to extinguish. Closing the door and starting the dryer will restart the trial for ignition period.
6. Once the control thermostat has been satisfied and/or the drying timer has been timed out, the ignition control module(s) will be de-energized, the gas valve(s) will be de-energized and the flames will extinguish.
7. The machine will continue to run in a cooldown mode without heat. This process will cool the load to the touch and help to eliminate wrinkling.

DIRECT SPARK IGNITION OPERATION FLOW CHART

The DSI module is powered by a 24 volts AC supplied by a step-down transformer in series with eight safety interlocks:

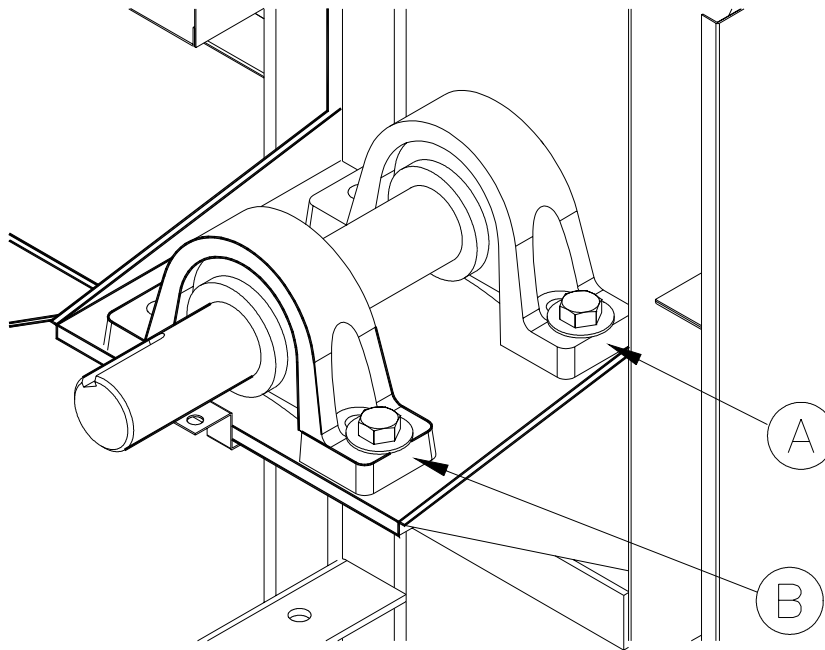
- A. Timer switching device (1)
- B. Main door and lint door switches (2)
- C. Sail switch (1)
- D. Under basket and burner housing thermal safety switches (2)
- E. Variable thermostat (1)
- F. Push to start switch (1)



Maintenance—General

DAILY	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 more quickly. DRYER AREA. Keep dryer area clean and free from combustible materials, gasoline and other flammable vapors and liquids. SLIDING DOORS. Check track for foreign objects.
WEEKLY	UNITS HEATED BY STEAM. Keep steam coils clean. Check periodically and clean often, as required. Remove lint and dirt build-up from fins. Dirty fins decrease the efficiency of units heated by steam. GAS BURNERS. Keep burners clean. Check periodically and clean often. AIR PRESSURE. Check airlines for water. Check/service any air regulator/filter per manufactures information. May need to do this check more often, depending on air quality.
MONTHLY	FIRE DETECTION AND SUPPRESSION SYSTEM (FDS). Check FDS to make sure the system is working properly. See manuals for details.
THREE MONTHS	CLEAN BASKET AND SWEEP SHEETS. Clean periodically and/or as often as required. The basket and sweep sheets are easily accessible by removing the front panel of the dryer. EXHAUST SYSTEM. Check and clean. GEAR MOTORS. Check oil level. See separate information on gear motor for maintenance GEAR REDUCER. Maintain the correct oil level. See separate page on gear reducer operation and maintenance, for detailed information.
SIX MONTHS	PULLEYS AND BELTS. Keep belts clean. Oil and dirt will shorten the useful life of the 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 aligned. Check and re-tighten pulley set screws periodically. Check belt tension periodically. Lower motor to increase tension by adjusting the nuts fastening the motor plate to the rod connected to the gear reducer. MAKE-UP AIR. Do not obstruct the flow of combustion (make-up) air and ventilating air. Check ducting for obstructions. GAS PRESSURE. Check gas pressure. DRYER VOLTAGE. Check dryer voltage per dryer Rating Plate. AIR SWITCH. Check air switch alignment. Some models do not have air switches.
YEARLY	ELECTRIC MOTORS. Keep motors clean and dry. LOADING DOOR GASKET. Check for tears, rips, gashes, etc. Replace if damaged.

BASKET ALIGNMENT



Jacket Rear View

BASKET TOO LOW

If there are shims under Bearing B;

1. Loosen bolts
2. Remove shim(s).
3. Tighten bolts - check alignment.

If there are no shims under B;

1. Loosen bolts on bearing A.
2. Add shim(s) under bearing A.
3. Tighten bolts - check alignment
4. Repeat until aligned.

BASKET TOO HIGH

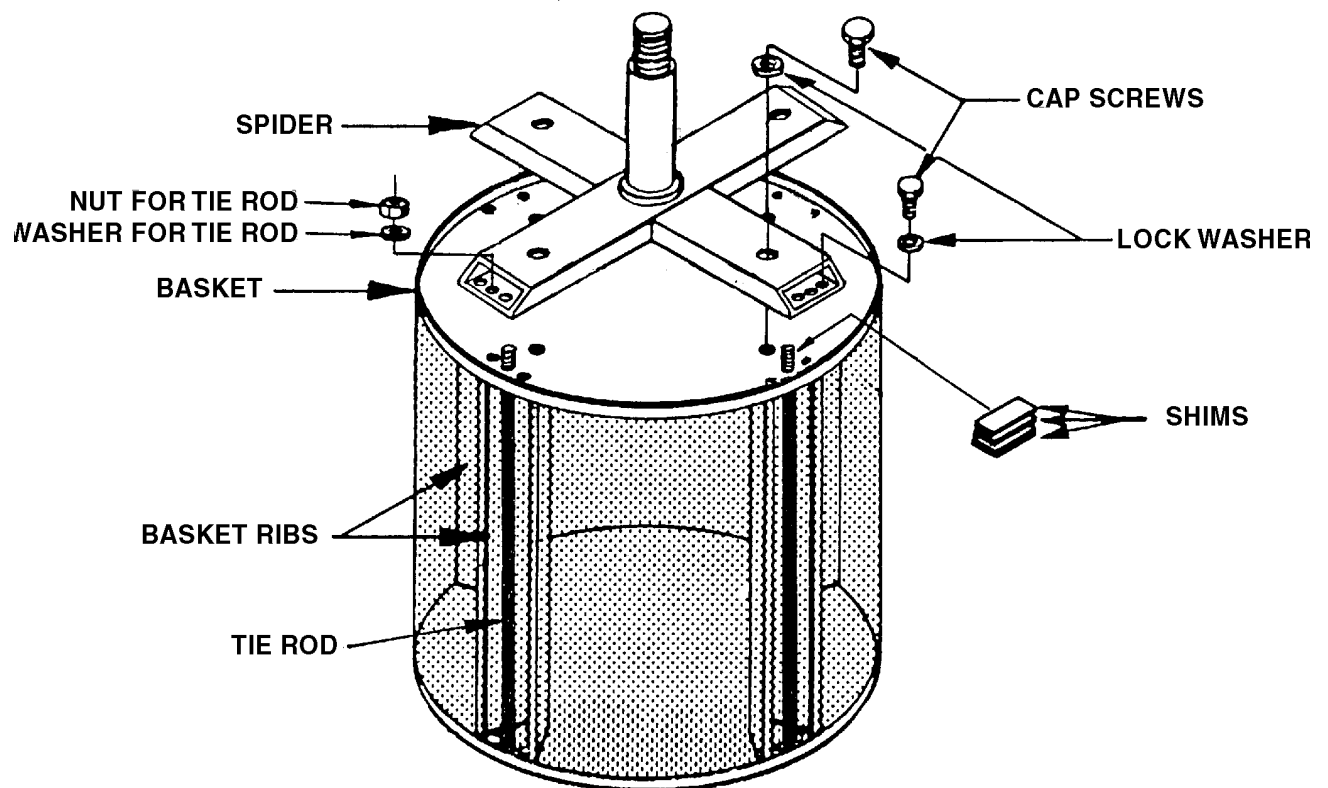
If there are shims under A;

1. Loosen bolts
2. Remove shim(s).
3. Tighten bolts - check alignment.

If there are no shims under A;

1. Loosen bolts on bearing B.
2. Add shim(s) under bearing B.
3. Tighten bolts - check alignment
4. Repeat until aligned

Shimming the Basket and Spider Assembly (Illustration)

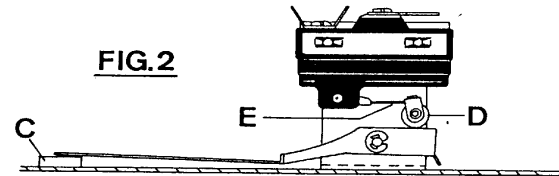
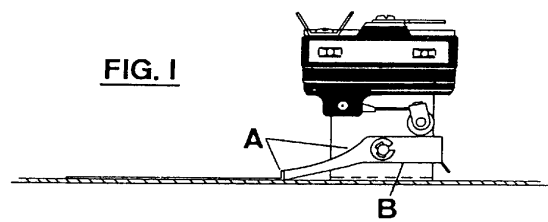
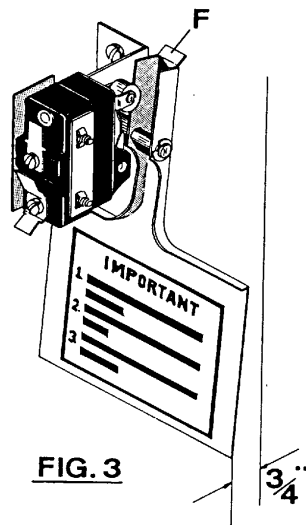


Shimming the Basket and Spider Assembly

INSTRUCTIONS FOR SHIMMING THE BASKET AND SPIDER ASSEMBLY

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

- A.** Align the basket as per instructions on the previous page .
- B.** Rotate the basket to determine where the most out-of-round point is (where the basket scrapes or comes closest to scraping the sweep sheet).
- C.** Mark this position and the nearest rib to this position. If it is between two ribs, both ribs may need to be shimmed.
- D.** Remove the basket from the dryer (do not loosen the alignment bolts).
- E.** With the basket on the floor (spider up), loosen the cap screws and tie rod nuts enough to insert one or two shims between the spider leg and the basket at the marked position. With shims in place, tighten the screws and nuts.
- F.** Install spider and basket assembly and check again.
- G.** If basket is still out-of-round, start at *Step B* and repeat procedure.
- H.** When shimming is completed, re-align basket.



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" (figure 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" (figure 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" (figure 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.

Pulley and Belt Maintenance

DRIVE PULLEYS AND BELTS

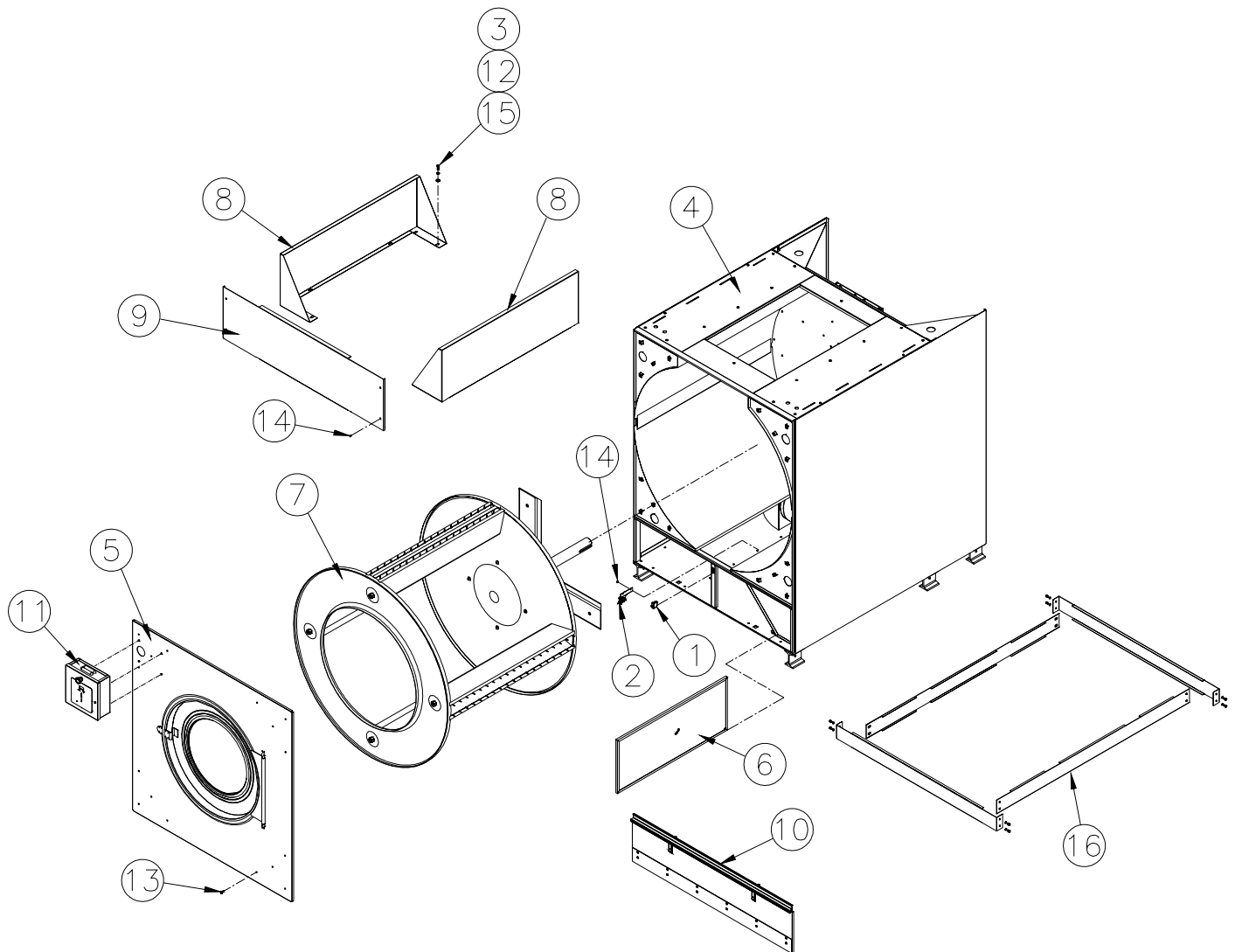
DRIVE PULLEYS AND BELTS

Before placing the dryer into operation, ensure that the drive belts and pulleys are in good condition and have sufficient belt tension.

Check belt tension after dryer is in operation 2-3 weeks. Tighten as necessary.

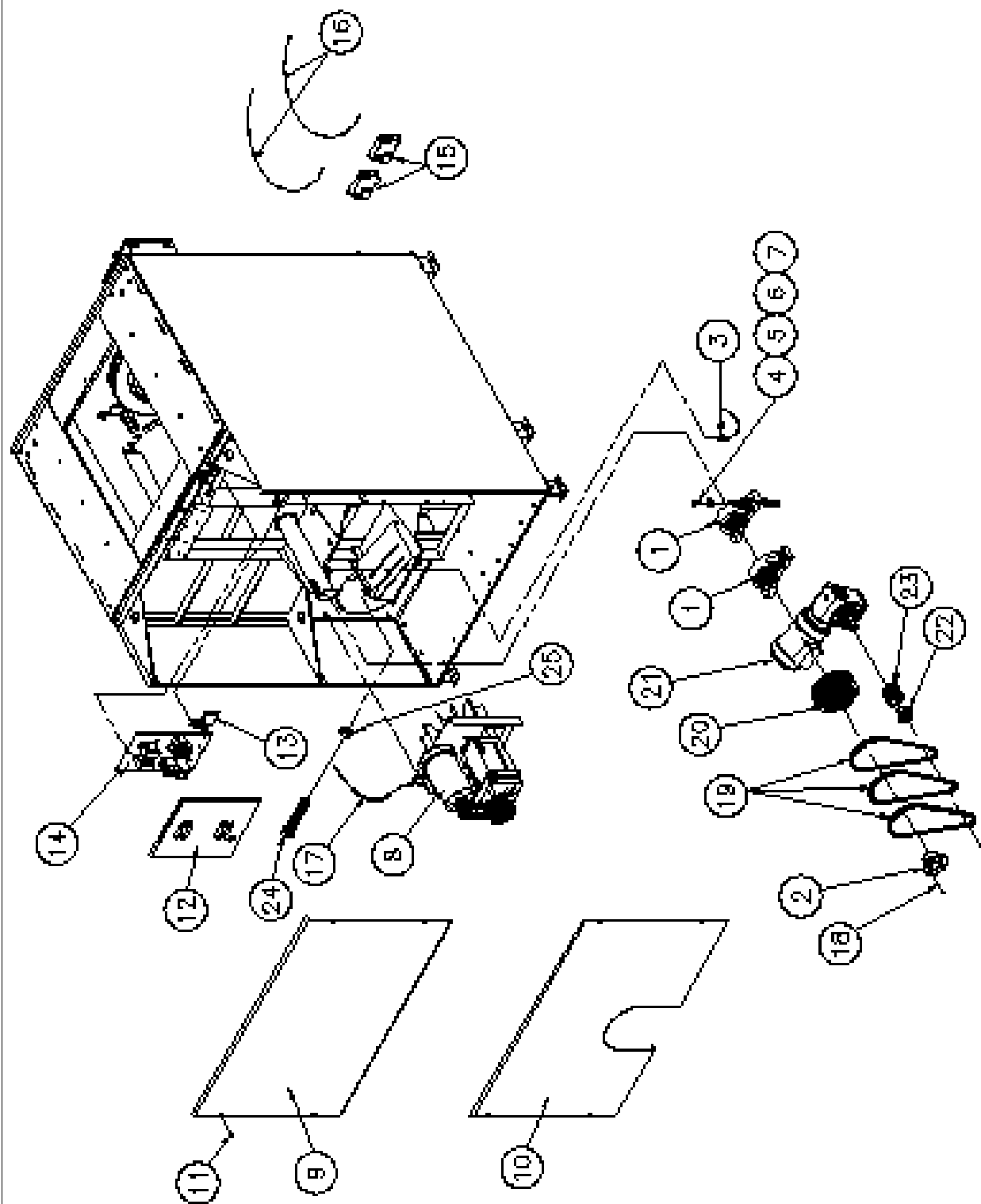
Check belt tensions and belt & pulley condition every 3-6 months.

175 LB LAUNDRY DRYER (FRONT EXPLODED VIEW)



- | | | | | | |
|----|-------------|--------------------|-----|---------|---------------------|
| 1. | EA-11621-0 | LINT DOOR SWITCH | 9. | TU14490 | FRONT VALANCE |
| 2. | ESA-00961-0 | SWITCH ASSEMBLY | 10. | TU14537 | LINT DOOR ASM. |
| 3. | IB140 | 3/8 FLAT WASHER | 11. | TU14542 | DMP CONTROL ASM. |
| 4. | TU15512 | JACKET WELDED ASM. | 12. | TU3246 | 3/8-16 SCREW |
| 5. | TU14360 | FRONT PANEL ASM. | 13. | TU6854 | #14 S.M. SCREW |
| 6. | TU14371 | LINT SCREEN | 14. | TU7733 | #8 SELF DRILL SCREW |
| 7. | TU16061 | BASKET/SPIDER ASM. | 15. | VSB134 | 3/8 LOCK WASHER |
| 8. | TU14489 | SIDE VALANCE | 16. | TU14924 | SKIRT (OPTIONAL) |

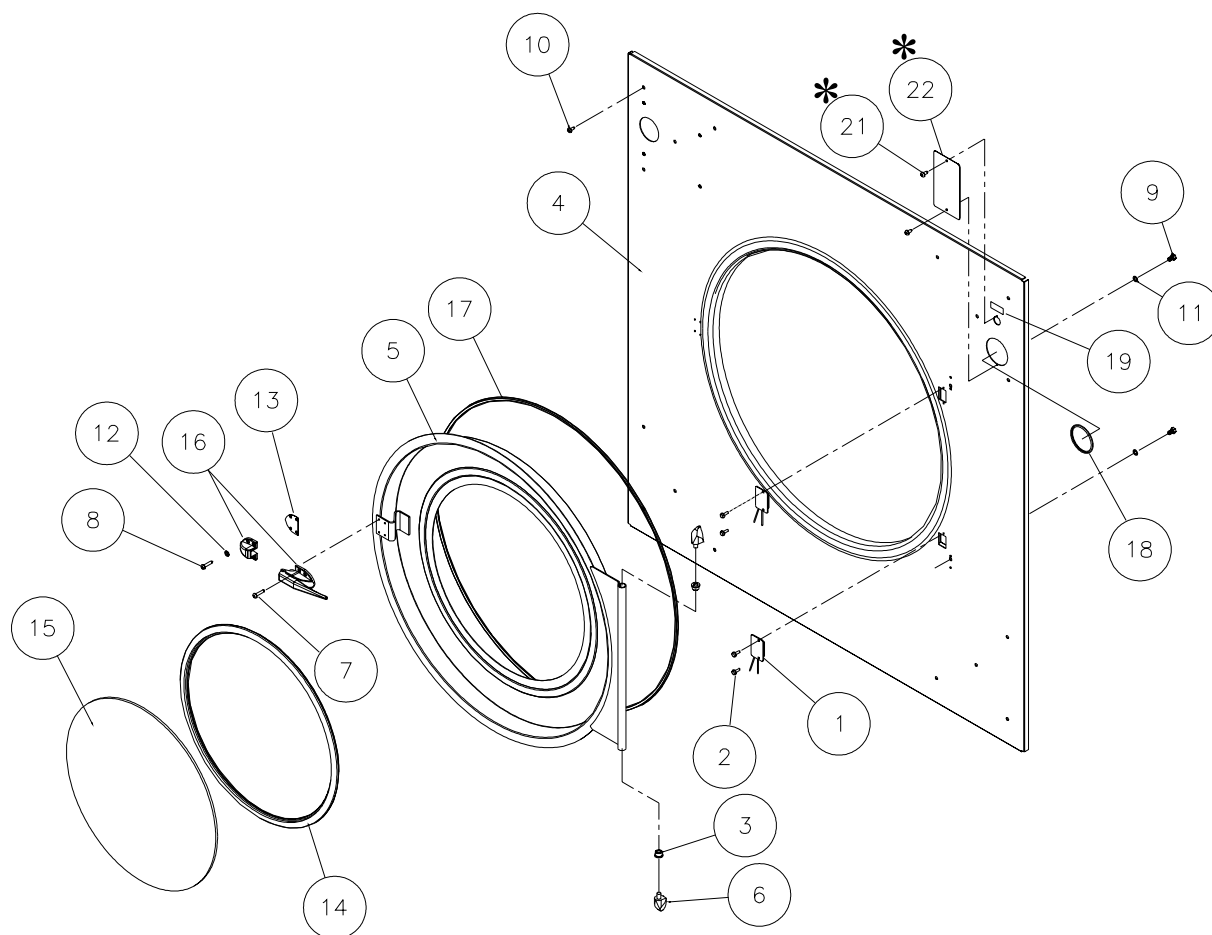
175 LB LAUNDRY DRYER (REAR EXPLODED VIEW)



PARTS - 175 LB LAUNDRY DRYER (REAR)

1	TU14372	BRG, 2 1/2" PILLOW BLOCK	19	TU16091	BELT, BX47 (60Hz)
2	TUX576	BUSHING, SK-2 ½		TU16085	BELT, BX46 (50Hz)
3	TU14414	ROTATION SENSOR	20	TU16043	SHEAVE, 8.6" DIA. (60 Hz)
4	TU14454	SCREW CAP,H.H 3/4-10 X 3		TU16064	SHEAVE, 8.0" DIA. (50 Hz)
5	TU14455	WASHER, 3/4 FLAT 13/16" ID	21	TUX594	GEAR REDUCER
6	TUX260	NUT 3/4-10 HEX	22	TU16045	TAPER BUSHING
7	TUX426	LOCKWASHER, ¾	23	TU16042	SHEAVE, 4.4" DIA.
8	FAN MOTOR ASSEMBLY - PAGE 62		24	TUX575	WELD ADJUSTMENT BOLT
9	TU14501	UPPER REAR COVER	25	TU2881	NUT, 5/8-18
10	TUX578	LOWER REAR COVER			
11	TU7733	SCREW, SELF DR #8-18X1/2			
12	TUX601	COVER, MTR CTRL BOX			
13	TU8206	AIR SWITCH			
14	TU14765	REV. CTRL. PNL.			
15	TU14675	IGN. MODULE (C.E.)			
	GA-00765-0	IGN. MODULE (NON-C.E.)			
16	GA-00803-0	DSI CABLE (GAS ONLY)			
17		GREENFIELD CABLE			
18	TUX577	5/8" KEY			

TU14360 - FRONT PANEL ASSEMBLY

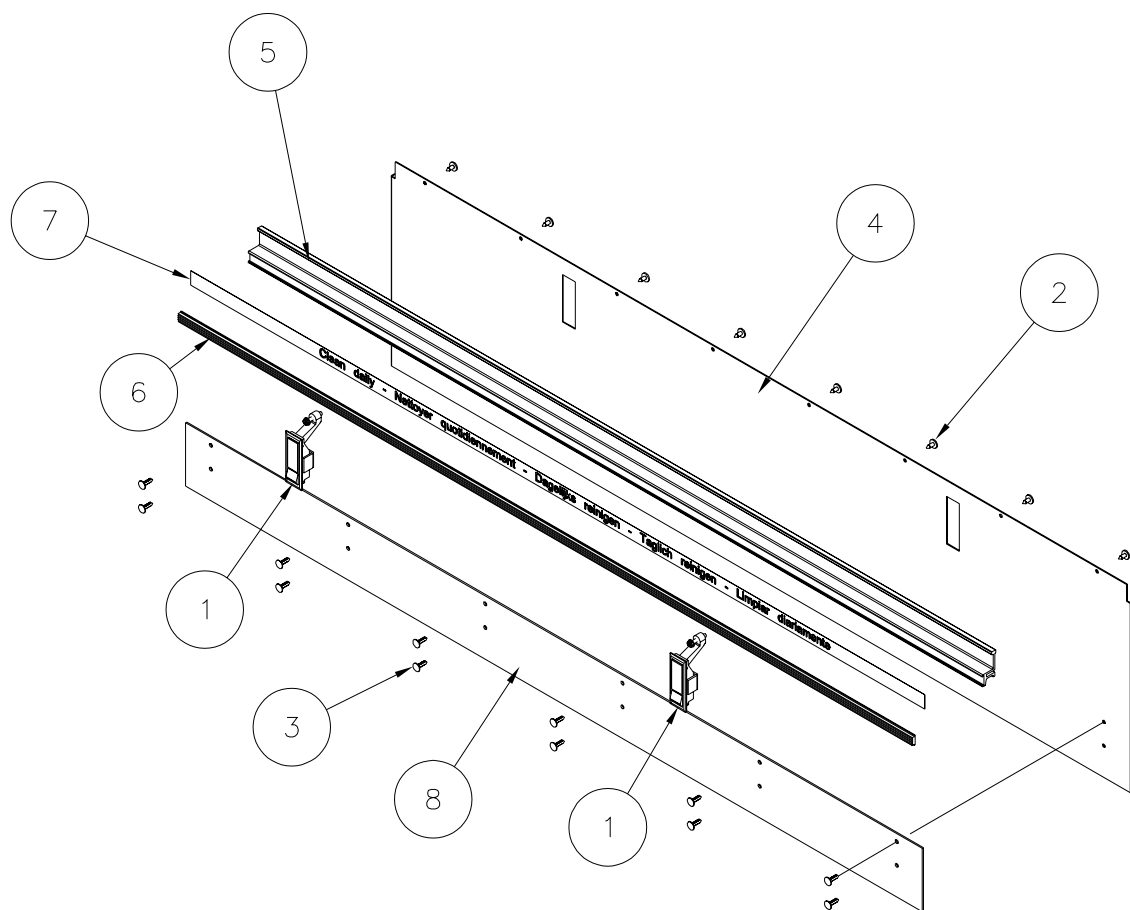


* Cover plate used for DMP and PRO HC.

Ref. No.	Part No.	Description
1	EA-00652-0	Reed Switch
2	SB-00975-0	#6-32 Screw
3	PIF172	Hinge post bearing
4	TU14359	Front panel (Specify color)
5	TU14467	Loading door (Specify color)
6	TU2236	Hinge post
7	TU2686	#8-32 Pan Hd. screw
8	TU2687	#8 Ph. Hd. screw
9	TU2836	5/16-18 H.H. screw
10	TU3209	#14 Pan Hd. screw
11	TU3212	5/16 Lock washer
12	TU3785	#8 E.T. Cup washer

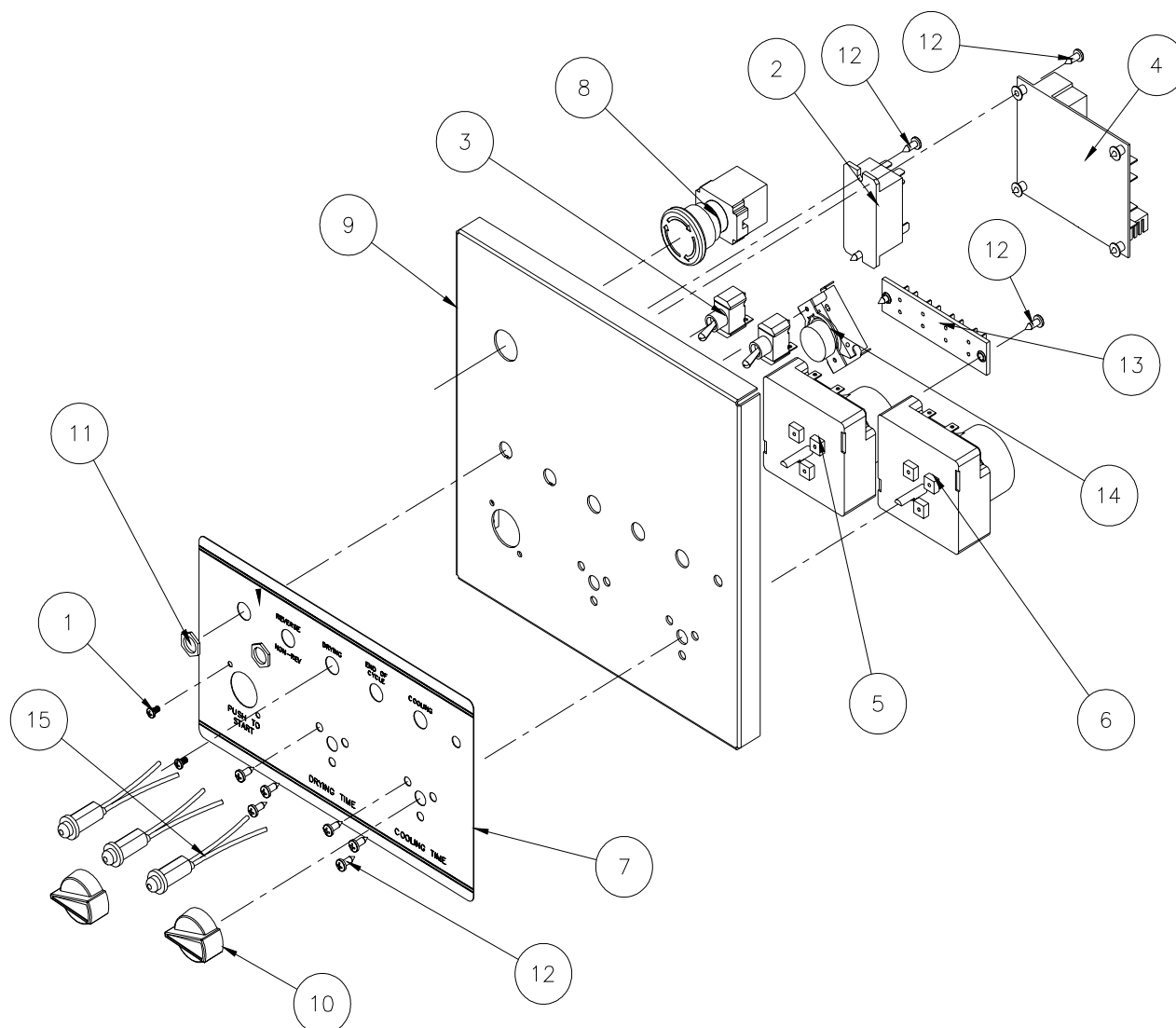
Ref. No.	Part No.	Description
13	TU5503	Door latch spacer
14	TU15966	Gasket
15	TU15107	Door glass - 20 1/4"
16	TUA2319H	Door latch w/keeper
17	TU5288	Door gasket
18	TU2641	Thermometer gasket
19	TU5458	Temperature label
20	TU6030	Thermostat asm.(see detail)
*21	TU7733	#8 X 1/2 Lg. Screw
*22	TU15525	Cover plate (Specify color)

LINT DOOR ASSEMBLY



Ref. No.	Part No.	Description
1	LA-00124-0	LATCH
2	SB-00836-0	PANCAKE SCREW
3	SB-00949-0	FASTENER
4	TU14357	LINT DR. W/A
5	TU14529	HANDLE
6	TU14530	BUMPER
7	TU15410	LABEL, 5 LANGUAGE
8	TU14640	TRIM, KICKPLATE

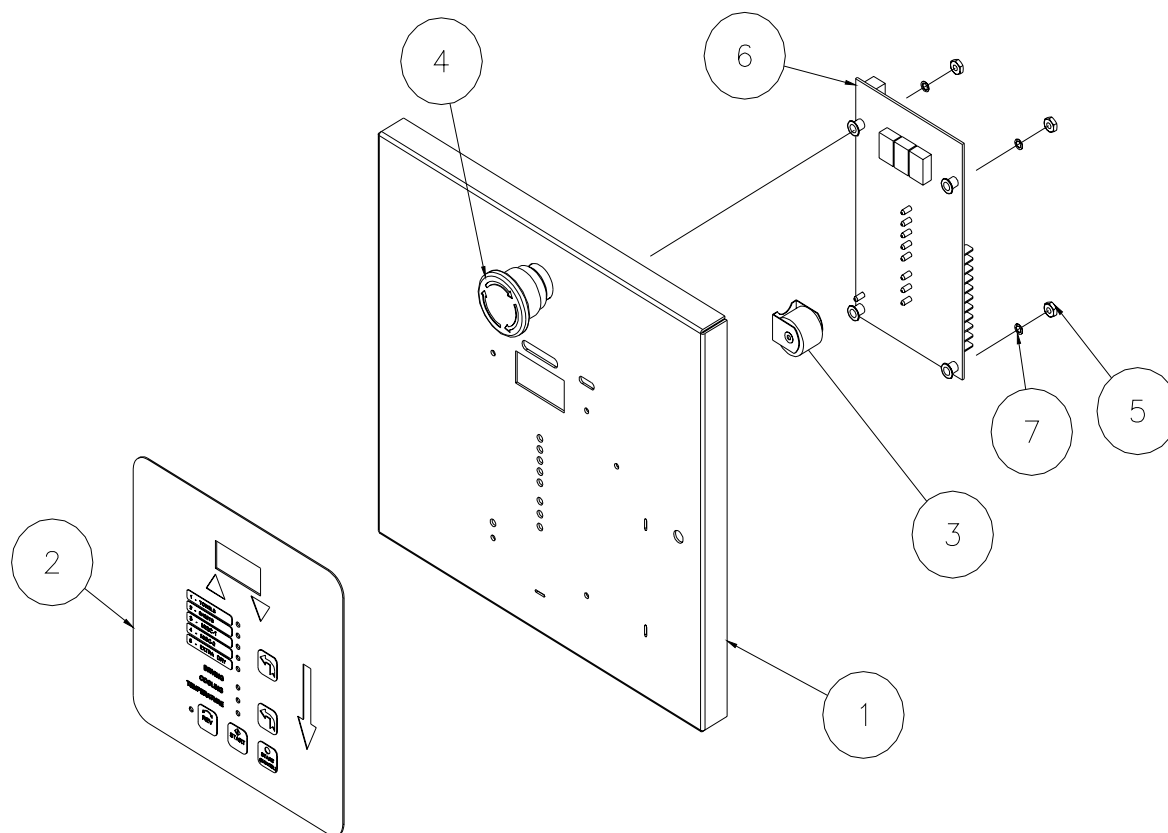
2 Timer Control Panel Assembly



TU15111 - Reversing

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
1	ET208	#6-32 x 1/4" Binding Hd Screw	9	TU15406WHT	Panel W/A
2	F1300	24V Relay	10	TU2555	Knob Assembly
3	FG147	Toggle Switch	11	TU3805	#15-32 Hex Nut
4	TU12874	Reversing Board	12	TU7733	#8-18 x 1/2" Self Drilling Screw
5	TU12932	Timer (0-60 Minutes)	13	TU8629	Terminal Board
6	TU12933	Timer (0-15 Minutes)	14	TU9028	Push Button Switch
7	TU15459	2T Nameplate	15	TUT316	24V LED Light
8	TU14435	Emergency Stop (50 Hz)			
	TU15724	7/8" Button Plug (60 Hz)			

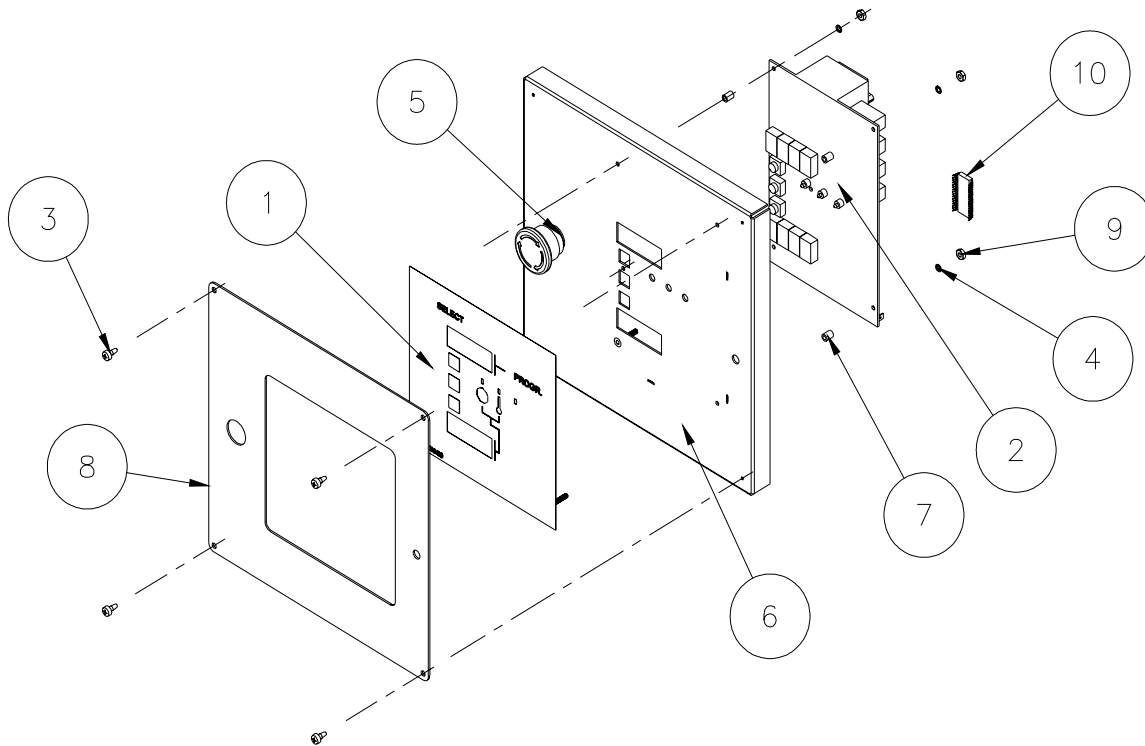
DMP Control Panel Assembly



Ref

No.	Part No.	Description
1	TU14469WHT	DMP Control Panel Welded Assembly
2	TU15184	Opl Dmp, Rt-Side (Dn) Overlay
3	TU14137	Buzzer, 24V
4	TU14435	Emergency Stop (50 Hz)
	TU15724	7/8" Button Plug (60 Hz)
5	TU3400	#6-32 Hex Nut
6	TU14404	Controller Opl/Coin Board, New
7	M270	#6 Int Tooth Lock Washer

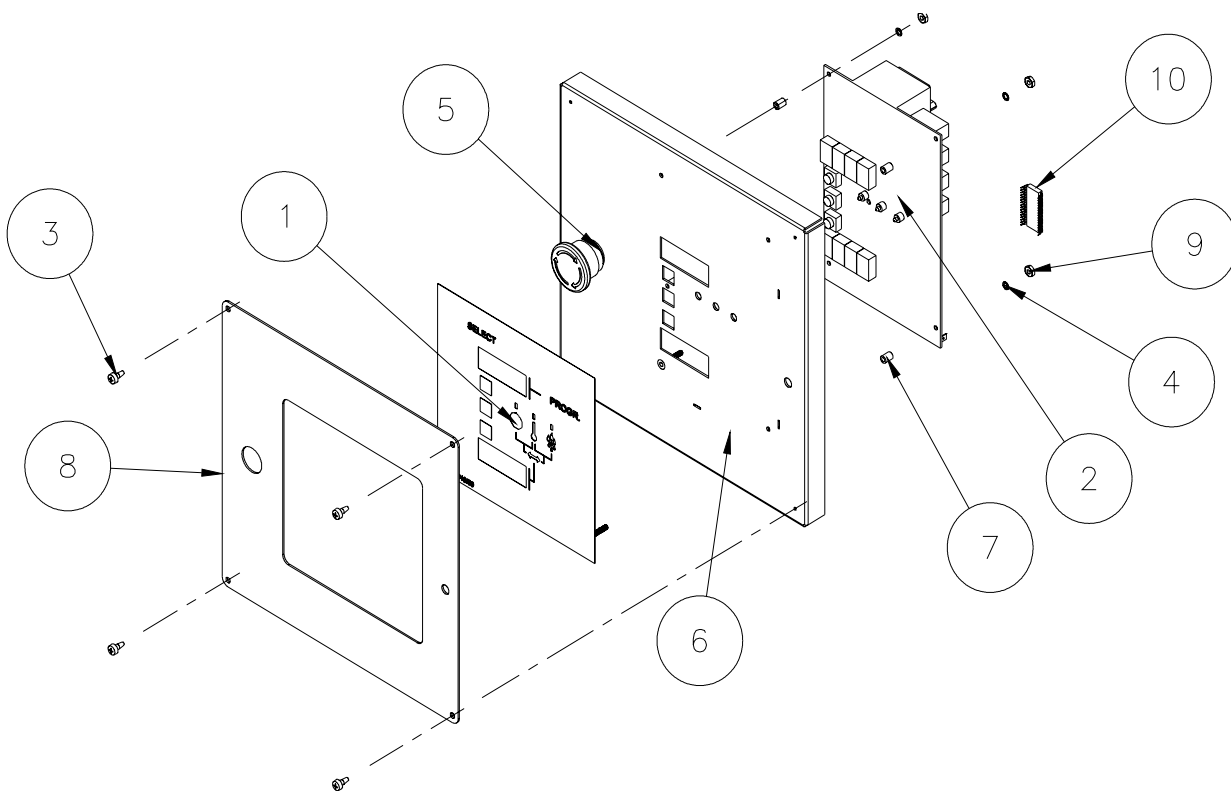
Pro Control Panel Assembly



Ref. No.	Part No.	Description
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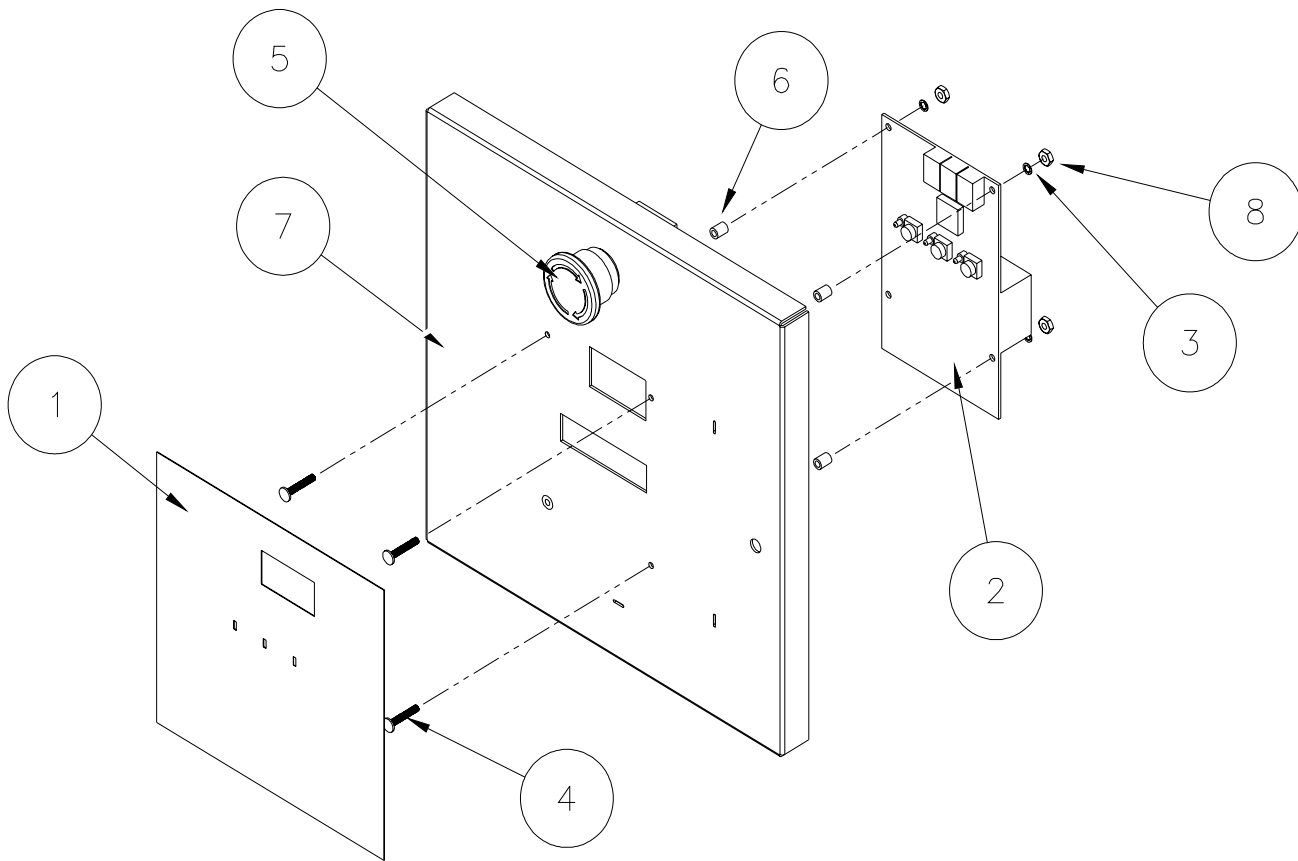
1	254/00039/00	Overlay
2	254/00070/00	Pro Control
3	M261	#8-32 Screw
4	M270	Lockwasher
5	TU14435	Emergency Stop (50 Hz)
	TU15724	7/8" Button Plug (60 Hz)
6	TU14442WHT	Control Panel Welded Assembly
7	TU14701	Spacer
8	TU14727WHT	Cover
9	TU3400	#6-32 Nut
10	TU14452	Pro / ProHC EPROM Chip

ProHc Control Panel Assembly



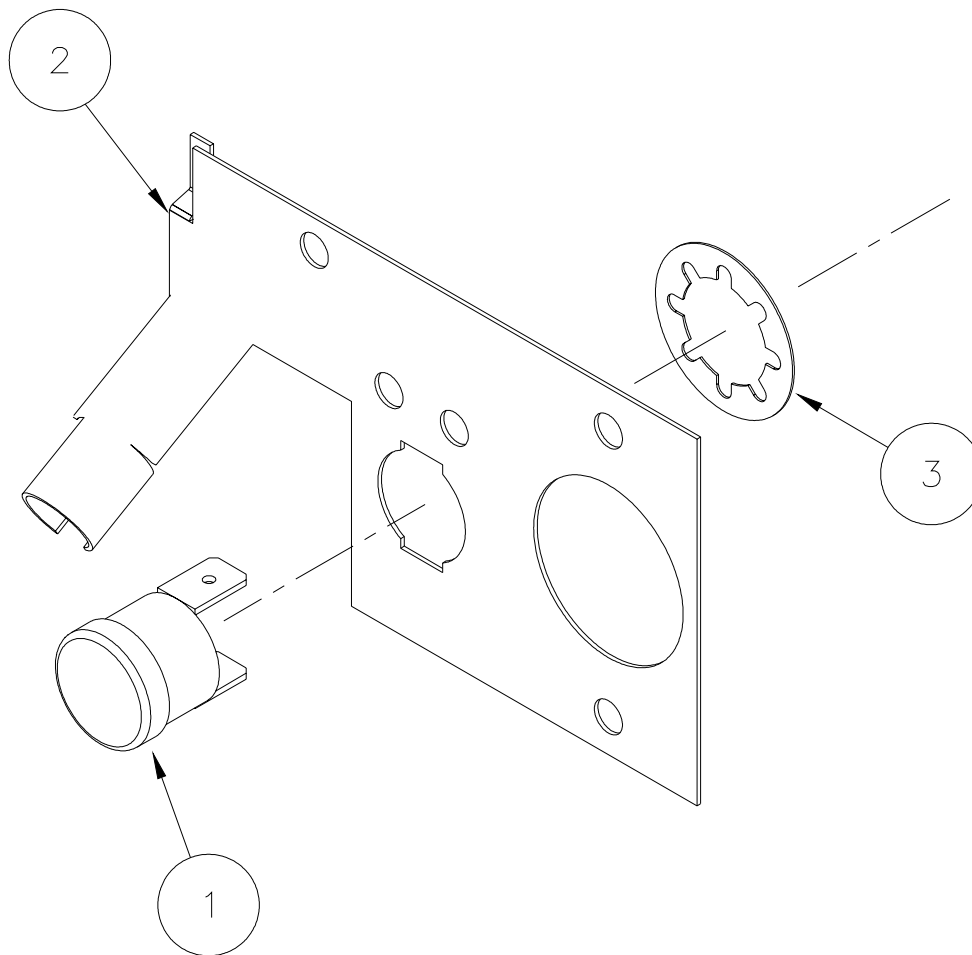
Ref. No.	Part No.	Description
1	254/00018/00	Overlay
2	254/00070/00	ProHC Control
3	M261	#8-32 Screw
4	M270	Lock Washer
5	TU14435	Emergency Stop (50 Hz)
	TU15724	7/8" Button Plug (60 Hz)
6	TU14442WHT	Control Panel W/A
7	TU14701	Spacer
8	TU14727WHT	Cover
9	TU3400	#6-32 Nut
10	TU14452	Pro/ProHC EPROM Chip

DX3R Control Panel Assembly



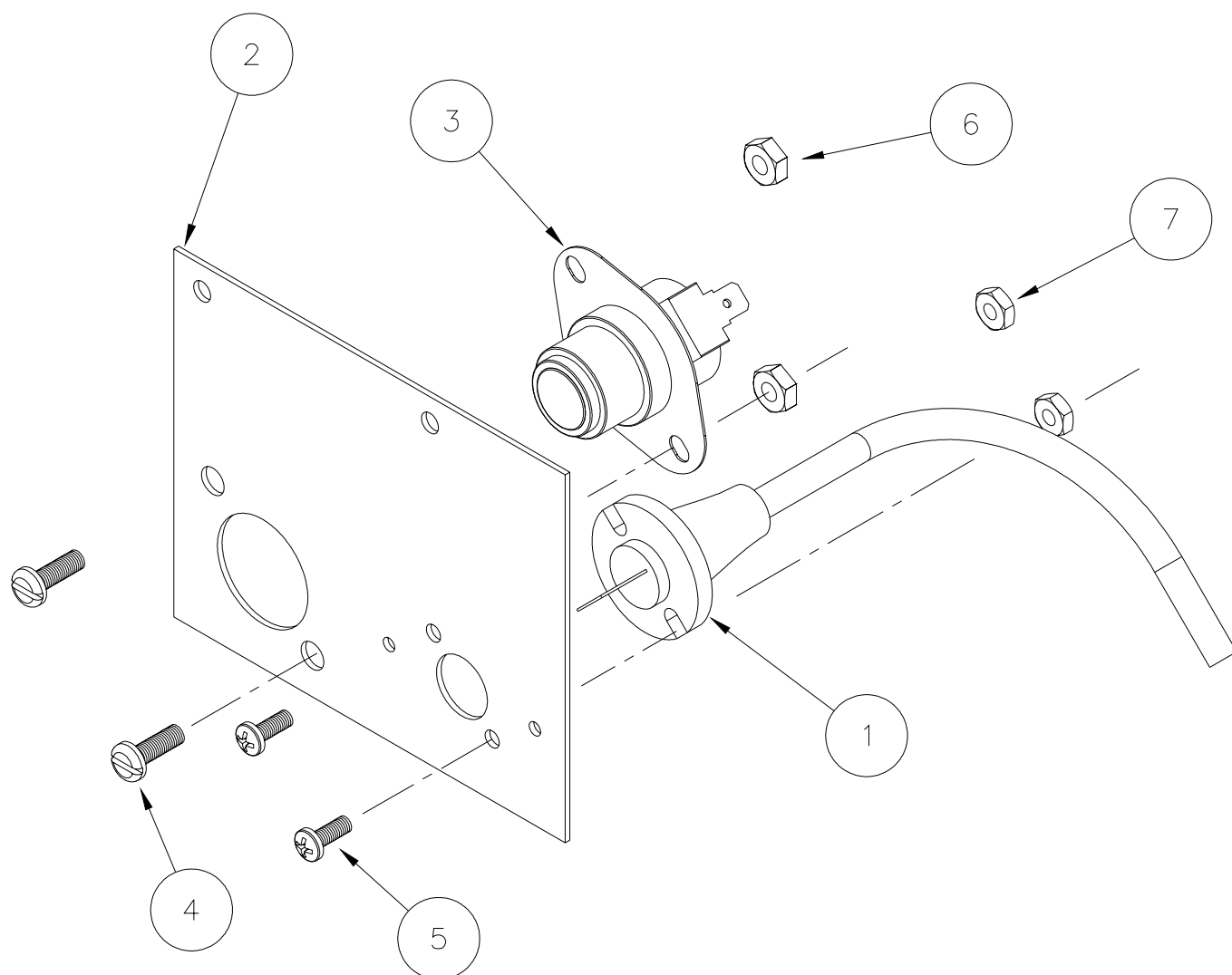
Ref		
No.	Part No.	Description
1	254/00069/00	OPL DX3/R Lower (Right) Label
2	254/00067/00	OPL Rev DX3S-PLGS Control Board
3	M270	#6 Lockwasher
4	TU12253	#6-32 Stud
5	TU14435	Emergency Stop
6	TU14701	Spacer
7	TU14720WHT	Control Panel
8	TU3400	#6-32 Nut

2 TIMER SENSOR ASSEMBLY



Ref. No.	Part No.	Description
	TU6029 - Thermostat Assembly	
1	TU2477	Thermostat #AR594
2	TU2486	Bracket
3	TU3801	Nut, speed #C18784-010-4

PRO SENSOR ASSEMBLY



Ref. No.	Part No.	Description
-------------	----------	-------------

TU15464 - Sensor Assembly

1	254/00072/10	Heat Thermostat
2	CA-23067-0	Thermostat
3	EA-00411-0	Switch, 220 Degrees
4	SB-00828-0	Screw, Mach. P.H. #8-32 X 1/2
5	SB-00952-0	Screw, P.H. #6-32 x 3/8
6	TU3266	Nut, Hex #8-32
7	TU3400	Nut, Hex #6-32

PROHC SENSOR ASSEMBLY - UPPER and LOWER

Ref.

No.

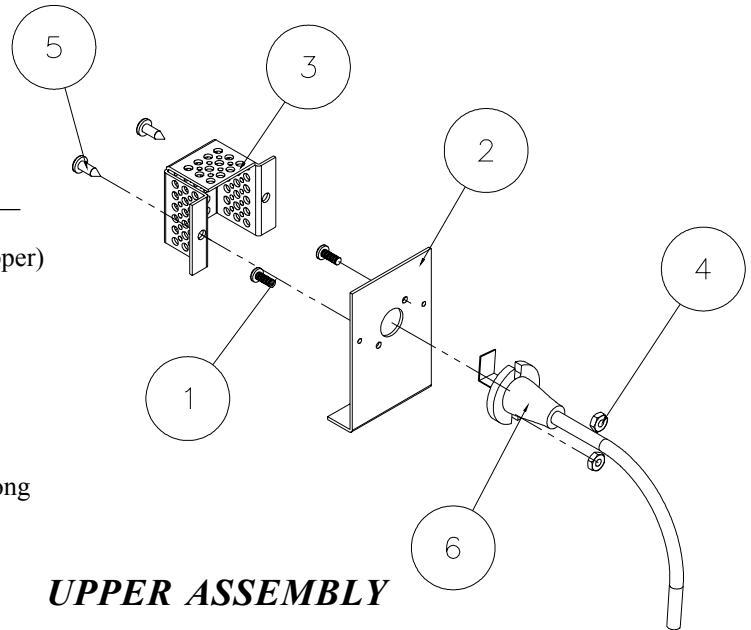
Part No.

Description

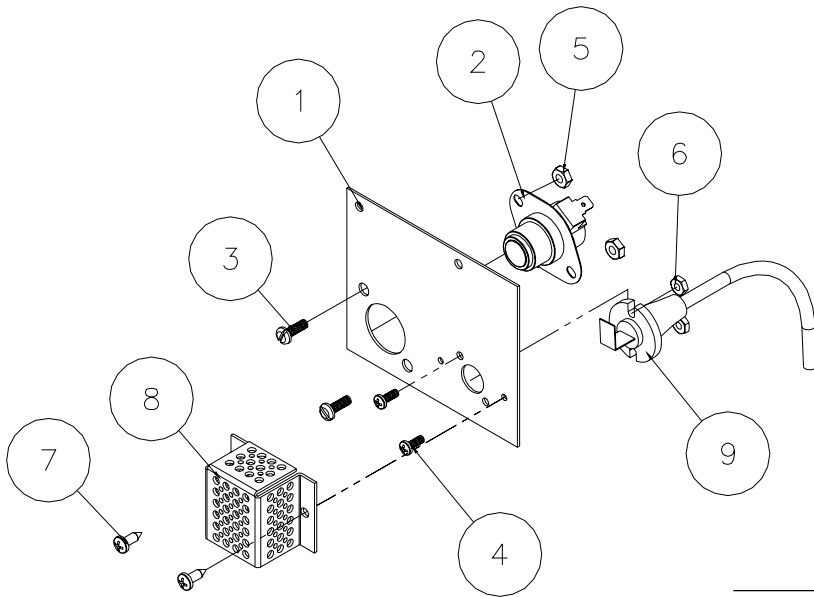
TU14724

PROHC Sensor assembly (upper)

- | | | |
|---|--------------|------------------------------------|
| 1 | SB-00952-0 | Screw, #6-32x 3/8" long |
| 2 | TU14693 | Mounting plate upper probe |
| 3 | TU14694 | Cover plate, probe |
| 4 | TU3400 | Nut, #6-32 |
| 5 | TU7733 | Screw, self drill #8-18x 1/2" long |
| 6 | 254/00060/00 | Humidity sensor |



UPPER ASSEMBLY



LOWER ASSEMBLY

Part No.

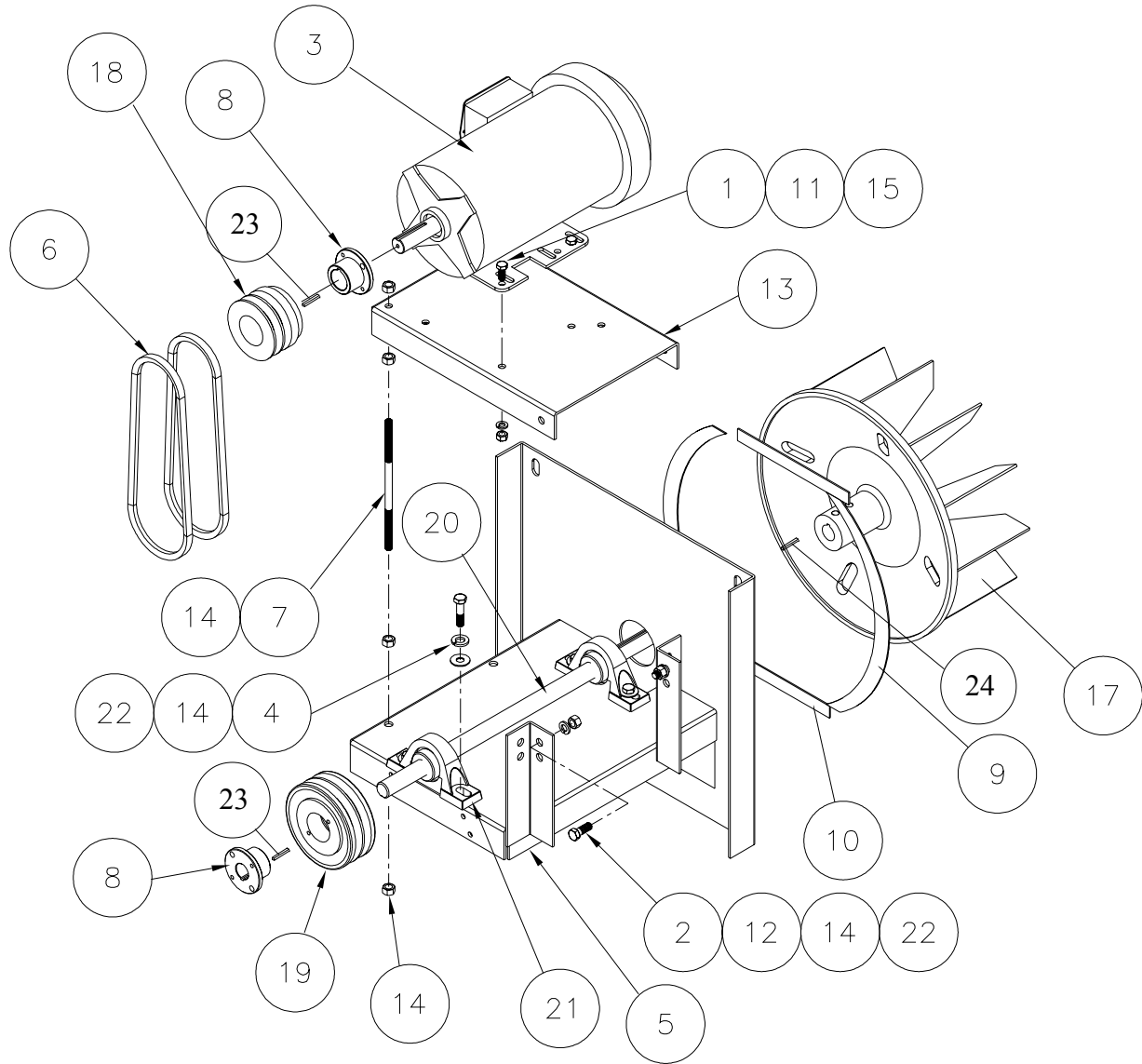
Description

TU115672

PROHC Sensor assembly (lower)

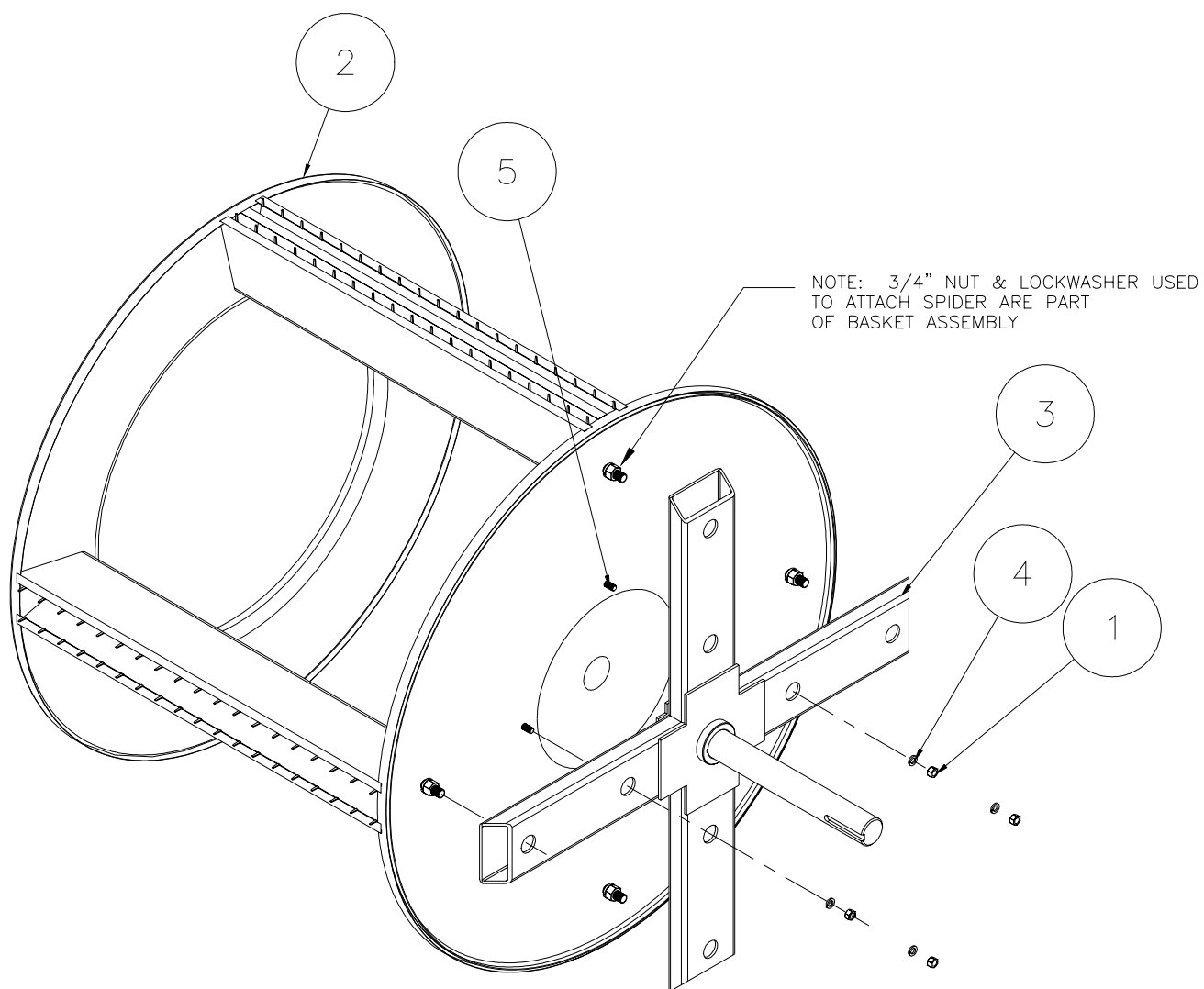
- | | | |
|---|--------------|------------------------------------|
| 1 | CA-13067-0 | Bracket (sensor) |
| 2 | EA-00411-0 | Switch, 220 degrees |
| 3 | SB-00828-0 | Screw, machine #8-32x 1/2" long |
| 4 | SB-00952-0 | Screw, #6-32x 3/8" long |
| 5 | TU3266 | Nut, hex brass #8-32 |
| 6 | TU3400 | Nut, hex brass #6-32 |
| 7 | TU7733 | Screw, self drill #8-18x 1/2" long |
| 8 | TU14694 | Cover, plate |
| 9 | 254/00071/10 | Humidity sensor |

FAN MOTOR ASSEMBLY



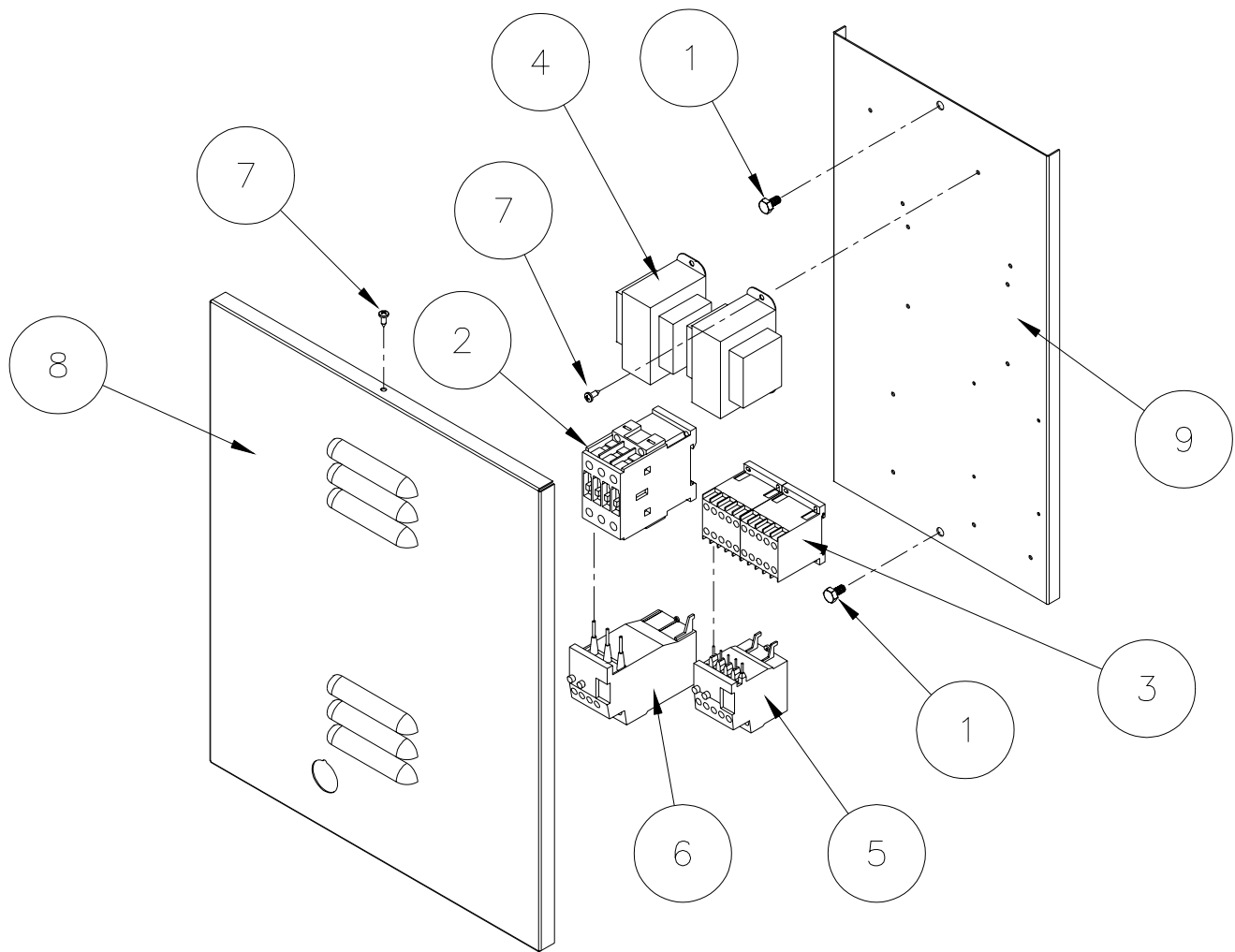
1	C249	NUT, 5/16-18	13	TU4706	PLATE, MTR. MOUNT
2	IB140	WASHER, 3/8" FLAT	14	TU4787	NUT, 3/8-16 HEX
3	MTR*	SEE MOTOR CHART (PAGE 18)	15	TU5439	SCREW, 5/16-18 H.H.
4	OP380	SCREW, 3/8-16 H.H.	17	TUX220	FAN, 15" DIA.
5	TU14336	MTR. MTG	18	TUX221	SHEAVE, 3.2" DIA. (60 Hz)
6	TUX640	BELT, FAN (60 Hz)		TUX342	SHEAVE, 3.6 PITCH (50 Hz)
	TUX639	BELT, FAN (50 Hz)	19	TUX222	SHEAVE, 5" DIA.
7	TU1950	ROD, MTR. SUPPORT	20	TUX428	SHAFT, 7/8" FAN
8	TU2007	BUSHING, 7/8 - H	21	TUX429	BRG, 7/8" PILLOW BLK
9	TU2473	GASKET, CORK CURVED	22	VSB134	WASHER, 3/8 LOCK
10	TU2474	GASKET, CORK ST.	23	TUD0187	KEY, 3/16" SQ. X 2 1/2" LG.
11	TU2814	WASHER, 5/16 LOCK	24	TU5241	KEY, 3/16" SQ. X 1" LG.
12	TU3246	SCREW, 3/8-16 H.H.			

TU14430 - BASKET/SPIDER ASSEMBLY



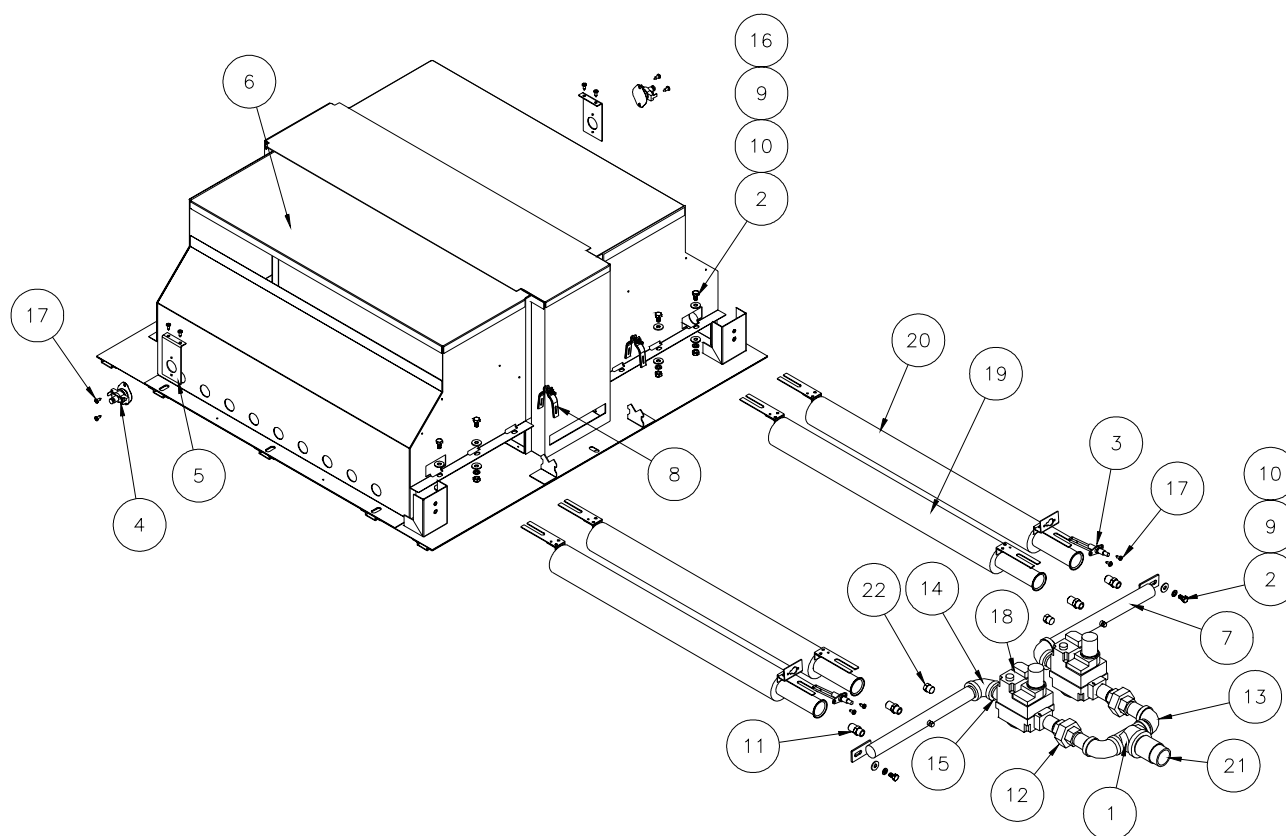
1	TU10686	1/2-13 HEX NUT
2	TU14326	ASM, BASKET
3	TU16060	175# SPIDER ASM.
4	TU2831	1/2 LOCKWASHER
5	TUX285	1/2-13 SCREW

REVERSING CONTROL PANEL ASSEMBLY



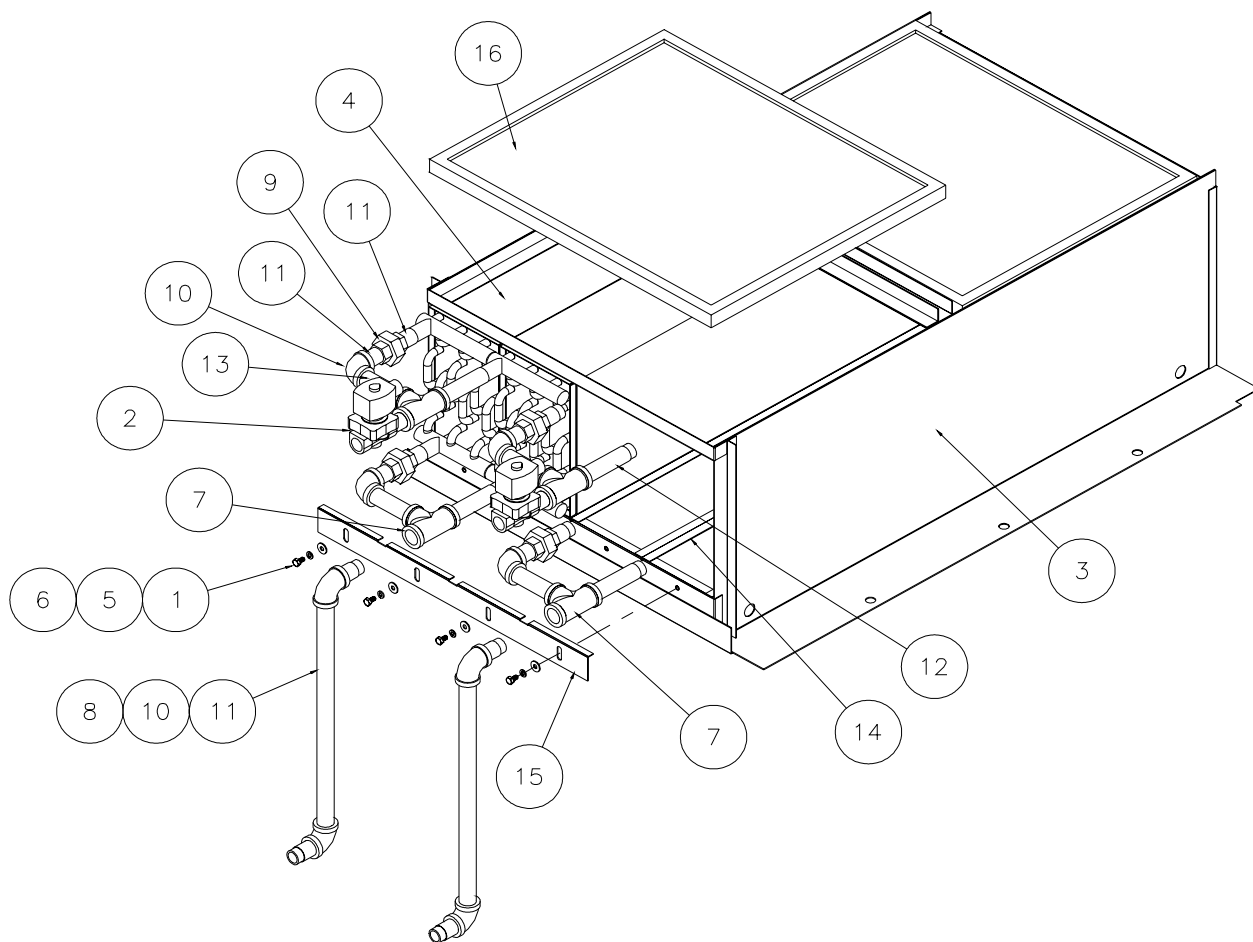
1	CB36	SCREW, 1/4-20
2	TU14684	MTR. CONTACTOR
3	EA-00685	REV. CONTACTOR
4	TU13480	TRANSFORMER
5	TU14706	REV. OVERLOAD
6	TU14707	MTR. OVERLOAD
7	TU7733	#8 SELF DRILL SCR.
8	TUX601	CTRL. BOX COVER
9	TUX197	MTG. PLATE

TU14429 - 24V GAS BONNET ASSEMBLY



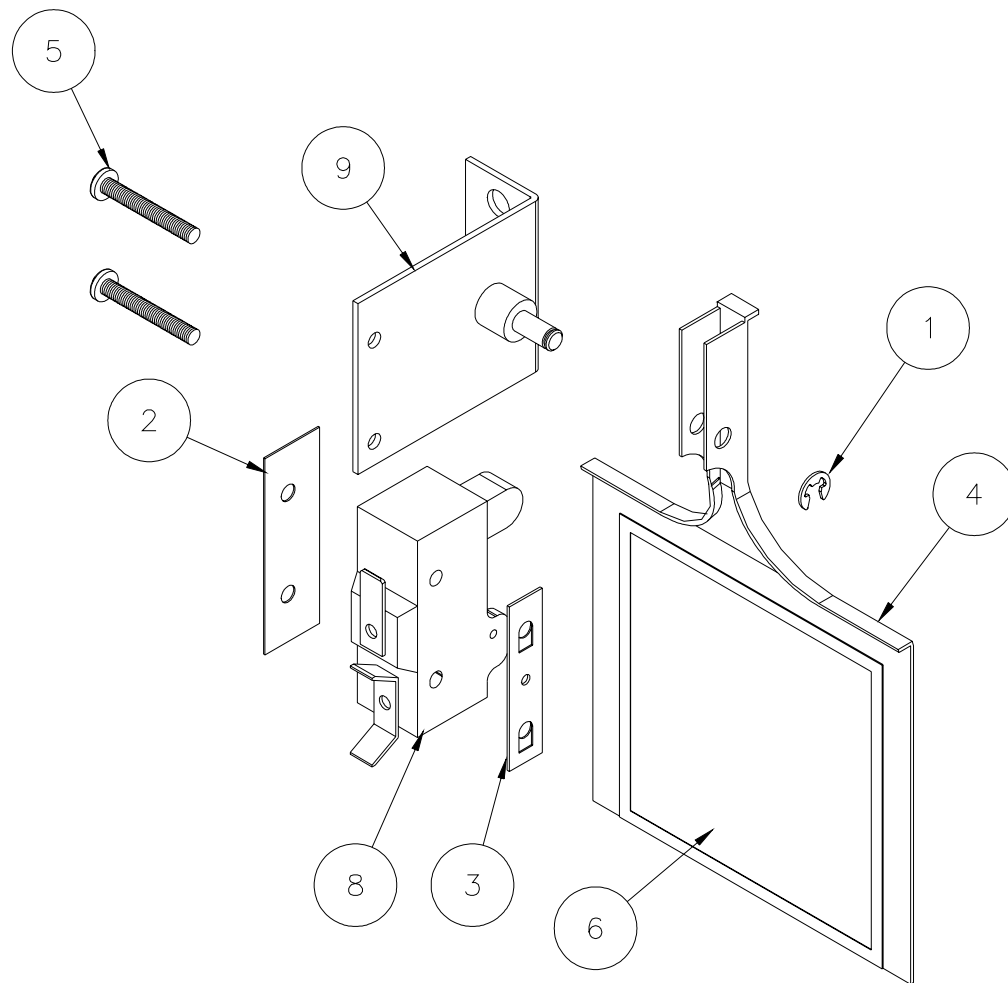
1	39060412	3/4 x 3/4 x 1-1/4 TEE	12	TU4600	3/4" UNION
2	CB36	1/4-20 x 1/2 SCR.	13	TU4602	3/4"-90 STREET ELL.
3	GA-00764-0	ELECTRODE	14	TU4605	3/4"-90 ELL.
4	TU13678	THERMOSTAT	15	TU4608	3/4" x 2" NIPPLE
5	TU13695	T-STAT MTG. BRKT.	16	TU4934	1/4-20 H.H. NUT
6	TU14428	BONNET W/A	17	TU7733	#8-18 x 1/2" SCREW
7	TU14463	GAS MANIFOLD	18	TUX352	3/4" GAS VALVE
8	TU2226	MANIFOLD MTG. BRKT.	19	TU14796	GAS BURNER
9	TU2846	1/4" LOCKWASHER	20	TU14797	IGNITION BURNER
10	TU2847	1/4" FLATWASHER	21	TUX391	1-1/4 x 3" NIPPLE
11	TU3539	ORFICE	22	TU10946	MANIFOLD PLUG

TU14398 - 24V STEAM BONNET ASSEMBLY

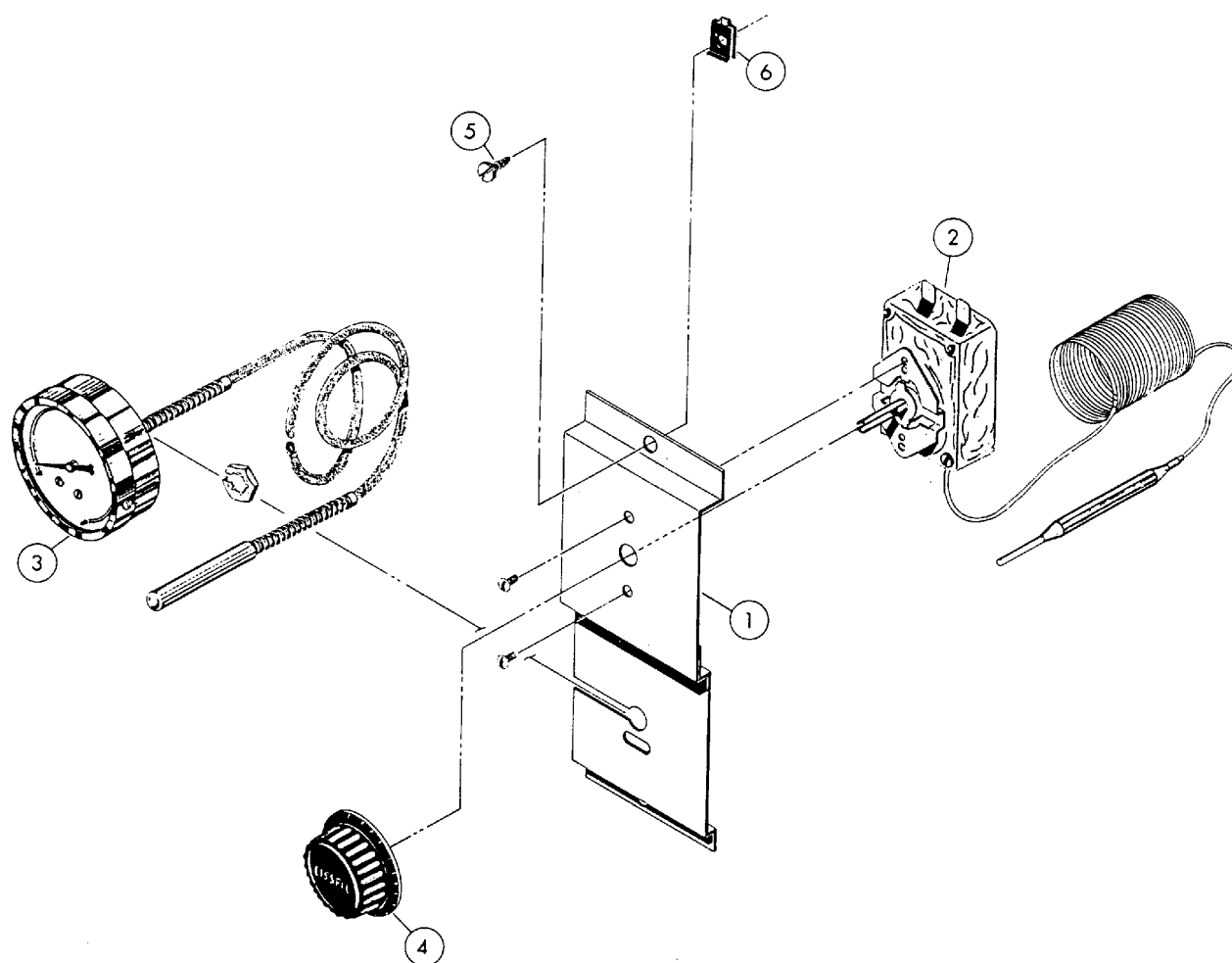


1	CB36	SCREW, 1/4-20 x 1/2	9	TU4600	UNION, 3/4
2	TU13517	VALVE, 3/4 STEAM	10	TU4605	ELL, 3/4 90 DEG.
3	TU14397	ASM, BON. WELD	11	TU4608	NIPPLE, 3/4 x 2" LG.
4	TU1699	COIL, 6 x 10 STEAM	12	TU4610	NIPPLE, 3/4 x 5" LG.
5	TU2846	WASHER, 1/4 LOCK	13	TU4620	NIPPLE, 3/4x4 1/2" LG.
6	TU2847	WASHER, 1/4 FLAT	14	TU9889	ANGLE, COIL SUPT.
7	TU4597	TEE, 3/4 STD. IRON	15	TU9890	BRKT, COIL
8	TU4599	NIPPLE, 3/4 x 18" LG.	16	TU9953	FILTER, 20 x 24 x 1

TU8206 - AIR SWITCH ASSEMBLY



1	F888	E-RING
2	TU1770	INSULATOR
3	TU1771	#6 TINNED NUT
4	TU2463	ACTUATOR ARM
5	TU3219	#6 x 1 S.M.S.
6	TU3476	DECAL
7	TU7733	#8 x 1/2 S.M.S.
8	TU8155	MICRO SWITCH
9	TU8171	BRACKET ASM.



TU6030—Consists of Ref. No. 1, 2, 3

- | | | |
|---|---------|--|
| 1 | TU5530 | Mounting Bracket |
| 2 | TU1980 | Thermostat |
| 3 | TU3593 | Thermometer |
| | TU3816 | Lens Replacement (Texas Gage ONLY) |
| | TU8475 | Lens Replacement (Marshalltown Inst. ONLY) |
| | TU11193 | Lens Replacement (Weiss—consult factory) |
| | TU13213 | Lens Replacement (Weiss—consult factory) |
| 4 | TU490 | Thermostat Knob—Fahrenheit |
| | TU491 | Thermostat Knob—Centigrade |
| 5 | TU3209 | #14 x 5/8" S.M.S. (Pkg. of 6) |
| 6 | LB74 | #14 Tinnerman Clip (Pkg. of 6) |

NOTE:

For conversion from natural gas to propane gas.

1. Order:
6 each—TU3539 orifice with no. 34 drill size.
2 each—K555 natural gas to LP gas conversion kit and follow directions.

Specifications (propane)

Propane—1.53 specific gravity

Calorific value—2,500 Btu/cu. ft.

Gas Input—87,500 Btu/hour per burner total

MODEL	ORIFICE SIZE - NORMAL (SEA LEVEL)		ORIFICE SIZE - HIGH (3,000 FT.)	
	NATURAL	PROPANE	NATURAL	PROPANE
L52CD42G	No. 9	No. 31	No.	No.

In altitudes above 2000 feet, consult with factory.

Table for Ordering Overload Heaters for Overload Relays

OVERLOAD HEATER TABLE
Motor Full Load Amps (FLA)

Heater Size	SF = 1.00		SF = 1.15 OR GREATER	
	40 Deg. C Amb.	60 Deg. C Amb. or more	40 Deg. C Amb.	60 Deg. C Amb. or more
H-6	.69 - .74	.56 - .61	.62 - .68	.51 - .55
H-7	.75 - .83	.62 - .68	.69 - .74	.56 - .61
H-8	.84 - .93	.69 - .74	.75 - .83	.62 - .68
H-9	.94 - 1.02	.75 - .83	.84 - .93	.69 - .74
H-10	1.03 - 1.16	.84 - .93	.94 - 1.02	.75 - .83
H-11	1.17 - 1.31	.94 - 1.02	1.03 - 1.16	.84 - .93
H-12	1.32 - 1.45	1.03 - 1.16	1.17 - 1.31	.94 - 1.02
H-13	1.46 - 1.63	1.17 - 1.31	1.32 - 1.45	1.03 - 1.16
H-14	1.64 - 1.80	1.32 - 1.45	1.46 - 1.63	1.17 - 1.31
H-15	1.81 - 1.96	1.46 - 1.63	1.64 - 1.80	1.32 - 1.45
H-16	1.97 - 2.22	1.64 - 1.80	1.81 - 1.96	1.46 - 1.63
H-17	2.23 - 2.43	1.81 - 1.96	1.97 - 2.22	1.64 - 1.80
H-18	2.44 - 2.55	1.97 - 2.22	2.23 - 2.43	1.81 - 1.96
H-19	2.56 - 2.81	2.23 - 2.43	2.44 - 2.55	1.97 - 2.22
H-20	2.82 - 2.99	2.44 - 2.55	2.56 - 2.81	2.23 - 2.43
H-21	3.00 - 3.43	2.56 - 2.81	2.82 - 2.99	2.44 - 2.55
H-22	3.44 - 3.90	2.82 - 2.99	3.00 - 3.43	2.56 - 2.81
H-23	3.91 - 4.28	3.00 - 3.43	3.44 - 3.90	2.82 - 2.99
H-24	4.29 - 4.86	3.44 - 3.90	3.91 - 4.28	3.00 - 3.43
H-25	4.87 - 5.45	3.91 - 4.28	4.29 - 4.86	3.44 - 3.90
H-26	5.46 - 6.13	4.29 - 4.86	4.87 - 5.45	3.91 - 4.28
H-27	6.14 - 6.79	4.87 - 5.45	5.46 - 6.13	4.29 - 4.86
H-28	6.80 - 7.72	5.46 - 6.13	6.14 - 6.79	4.87 - 5.45
H-29	7.73 - 8.48	6.14 - 6.79	6.80 - 7.72	5.46 - 6.13
H-30	8.49 - 9.65	6.80 - 7.72	7.73 - 8.48	6.14 - 6.79
H-31	9.66 - 10.70	7.73 - 8.48	8.49 - 9.65	6.80 - 7.72
H-32	10.80 - 12.30	8.49 - 9.65	9.66 - 10.70	7.73 - 8.48
H-33	12.40 - 13.00	9.66 - 10.70	10.80 - 12.30	8.49 - 9.65
H-34	13.10 - 14.00	10.80 - 12.30	12.40 - 13.00	9.66 - 10.70

**ORDERING
OVERLOAD HEATERS
FOR OVERLOAD
RELAYS**

Properly sized overload heaters provide motor protection for the dryer. Improper heater size may allow the motor to be damaged, or could cause nuisance tripping.

Heater sizes are listed on the overload heater table on page 61. To use the table, refer to the motor rating plate and locate the full load amps (FLA), the service factor (SF), and the ambient temperature (Amb.).

Example

Motor Rating Plate show FLA=3.8, SF=1.15, and 60 Deg. C Amb.

From the table, heater size is H-25. Order TU267900—H25.

CAUTION

Overload relays do not provide protection from short circuits. Short circuit protection is provided by a device such as a breaker or wall disconnect.

Suggested Minimum Dryer Make-up Air Requirements

Dryer Model	Dryer Pocket Capacity		Maximum Air Flow Rate per Pocket		Duct Size For Service Connection		Required Make-up Air Area per Pocket	
	lb	kg	cfm	m3/h	inch	mm	sq. inch	cm2
C 30 ST	30	13.6	450	765	6	153	87	561
C 75 ST	75	34	1000	1700	12	305	192	1240
C 110	110	50	2200	3740	12	305	422	2723
C 110 E/S	110	50	850	1445	8	203	163	1052
C 125	125	56.7	2000	3400	12	305	384	2477
C 150	150	68	2250	3825	12	305	432	2787
HD175	175	79.4	2780	4726	12	305	534	3445
HD190	190	86.2	3000	5100	12	305	576	3716
HD20.1	20	9.1	450	765	6	153	87	561
HD30SL	30	13.6	600	1020	8	203	116	748
HD30.1	30	13.6	625	1063	8	203	120	774
HD50.1	50	22.7	850	1445	8	203	164	1058
HD75.1	75	34	1000	1700	8	203	192	1240
HD80.1	80	36.3	1000	1700	10	254	192	1240

Notes:

- 1) The Model C 30 ST has 2 pockets per dryer, each pocket has the above listed characteristics; each pocket is exhausted separately with a 6" (153mm) duct.
- 2) The Model C 75 ST has 2 pockets per dryer, each pocket has the above listed characteristics; both pockets have one 8" (203mm) exhaust manifolded into one 12" (305mm) exhaust duct for exhaust connection.
- 3) For the C 30 ST and the C 75 ST Models, the Required Make-up Air Area shown in the table should be doubled since it is shown per pocket,only.

RECOMMENDED SPARE PARTS LIST

EA-11621-0	LINT DOOR SWITCH
TU14371	175# LINT SCREEN
TUX572	190# LINT SCREEN
MD-00337-0	MAGNET-READ SWITCH
TU5288	GASKET DOOR RIM
TU7169	DOOR GLASS GASKET
EA-00652-0	READ SWITCH
TUA2319H	DOOR CATCH ASSY
TU14435	EMERGENCY STOP
TU8155	SWITCH, SPST AIR SWITCH
EA-00685-0	REVERSING CONTROL, 24V COIL
TU13463	CONTACTOR, 24VAC
TU14675	C.E. IGNITOR MODULE
GA-00765-0	NON- C.E. IGNITOR MODULE
TU13521	CONTACTOR, 208-240V
TU14684	CONTACTOR, 346-600V
EA-00245-0	SWITCH, 330 DEGREE
GA-00764-0	ELECTRODE /STRAIGHT
TU13517	VALVE, STEAM SOLENOID $\frac{3}{4}$ " 24V (175# ONLY)
EA-00243-0	BONNET HIGH LIMIT SWITCH

DMP SPARE PARTS

EA-00594-0	SWITCH, 220 DEGREES
TU11991	THERMISTOR
TU2477	SENSOR
TU14405	OVERLAY (OPL)
TU14406	OVERLAY (COIN)
TU14137	BUZZER 24V

DOUBLE TIMER PARTS

EA-00594-0	SWITCH, 220 DEGREES
TU9028	START SWITCH
FG147	TOGGLE SWITCH 2 POSITION
TUT316	LIGHT, LED 24V
TU12874	TIMER, SOLID STATE REVERSING
TU12932	TIMER, MODEL N407 0-60
TU12933	TIMER, MODEL N407 0-15
TU2555	KNOB, W/PLATE-LOCK-SCR-SET SCREW

BELTS

TU15515	TYPE "B" V-BELT
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