

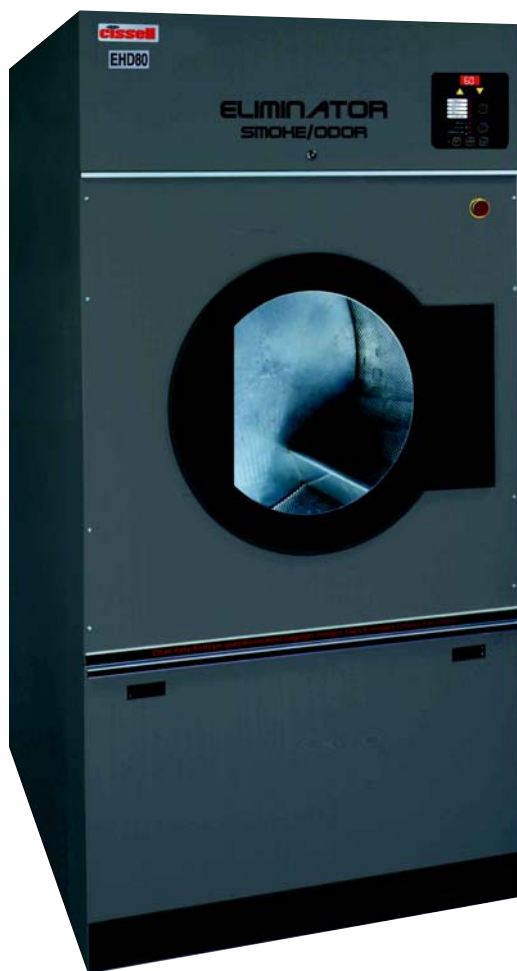


ELIMINATOR™

“An Ozone Room in One Tumbler”

OWNER'S MANUAL

80 lb. EHD “ELIMINATOR” TUMBLER



OZONE (O₃)

Technical specifications

Installation instructions

Operating instructions

Maintenance

EHD80

Cissell Manufacturing Co.

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THIS MANUAL MUST BE GIVEN TO THE EQUIPMENT OWNER

IMPORTANT NOTES

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: Ozone (O₃) can be harmful if inhaled when the Parts Per Million (PPM) is above the maximum safe level for an occupied area. Before operating ozone tumbler, check to make sure all ducting, etc is secure and will not allow ozone to leak out into an occupied area. Exhaust must be ducted to the outside individually.



MAXIMUM PERMISSIBLE OZONE LEVELS IN AN OCCUPIED AREA: 0.04 PPM averaged over 24 hours period.



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



NORMAL DETECTION LEVEL: Ozone can be detected by it's odor at a level between 0.01 and 0.04 PPM. But the nose rapidly loses it's ability to sense ozone.



WARNING: Do not rely on odor as an indication of high ozone concentration.



GENERATION METHOD: Corona discharge.



SUPPLY GAS: Ambient room air.



MAINTENANCE: Mica sheets stainless screen and generator chamber must be cleaned and dried every 3 – 6 months under normal use. In dirty or humid areas, clean every 3 – 6 weeks. (Refer to owner's manual for servicing instructions).



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



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



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

IMPORTANT NOTES



WARNING: Synthetic solvent fumes from drycleaning machines create acids when drawn through the tumbler. 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's** parts may be used.



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 tumbler.

FIRE AND EXPLOSION WILL OCCUR. NEVER PUT FABRICS TREATED WITH THESE LIQUIDS INTO THE TUMBLER. NEVER USE THESE LIQUIDS NEAR THE TUMBLER.



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



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



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.

CISSELL 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 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 Cissell equipment for which the three (3) year warranty period has expired, or for all new repair or replacement parts for equipment other than Cissell equipment, the warranty period is limited to ninety (90) days from date of sale. The warranty period on each new replacement part furnished by Cissell in fulfillment of the warranty on new equipment or parts shall be for the unexpired portion of the original warranty period on the part replaced.

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

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

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

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

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

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

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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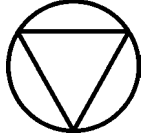



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SYMBOLS

The following symbols are used in this manual and/or on the machine. The numbers between () refer to the numbers on the machine surveys.

Symbol	Description		Symbol
	NOTE!	Rotation in two directions Rotation dans les deux sens Drehbewegung in zwei Richtungen Movimiento rotativo en los dos sentidos	
	dangerous voltage tension dangereuse Gefährliche elektrische Spannung tension peligrosa	Direction of rotation Sens de mouvement continu De rotation Drehbewegung in Pfeilrichtung movimiento Giratorio o rotatorio en el sentido de la flecha	
	On Marche Ein Conectado	End of Cycle	
	Off Arrêt Aus Desconectado		
	Start Demarrage Start Arranque de un movimiento	Caution Attention Achtung Atencion; precaucion	

UNPACKING/GENERAL INSTALLATION

UNPACKING

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

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

See outline clearance diagrams for correct dimensions.

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

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

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

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

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

GENERAL INSTALLATION (ALL TUMBLERS)

IMPORTANT

This tumbler is designed for a capacity maximum load. Overloading will lessen the effective of the ozone. Loading Capacity rating is dependant on the intensity of smell. Heavy smells will reduce the maximum load capacity.

IMPORTANT

Maximum operating efficiency is dependent upon proper air circulation. The lint screen must be kept cleaned daily to insure proper air circulation throughout the tumbler.

IMPORTANT

Provide adequate clearance for air opening into the bonnet area.

UNPACKING/GENERAL INSTALLATION

GENERAL INFORMATION

The tumbler is designed so that when an operator opens the loading door, the basket and exhaust fan stop after a few seconds of the purge cycle. The loading door should not be opened until the “Purge” cycle is complete. Ozone is properly and effectively moved through the basket and exhausted through a lint trap to the atmosphere. Some of the ozone is re-circulated back into the bonnet area. The tumbler comes equipped with an inclined self-cleaning lint screen. In this system, lint accumulates on the underside of the screen until a blanket of lint will fall from the screen to the bottom of the tumbler cabinet, and should be removed daily or as required, to prevent an over-accumulation.



IMPORTANT

Opening the loading door deactivates the door switch to shut off the motors, fan, and ozone generator. The loading door should not be opened until the “Purge” cycle is complete. Ozone (O₃) can be harmful if inhaled when the Parts Per Million (PPM) is above the maximum safe level for an occupied area. To restart the tumbler, close the door and press in the push to start button.

TUMBLER “PURGE” CYCLE

At the end of the “Ozone” , a timed “Purge” cycle automatically takes over and continues the rotation of the fan and basket without ozone, until the ozone is exhausted to the outside. This function is performed at the end of each “Ozone” cycle and continues for a minimum of two minutes.

REPLACEMENT PARTS

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

IMPORTANT

Do not exhaust tumbler with any other piece of equipment. The tumbler should be exhausted separately.

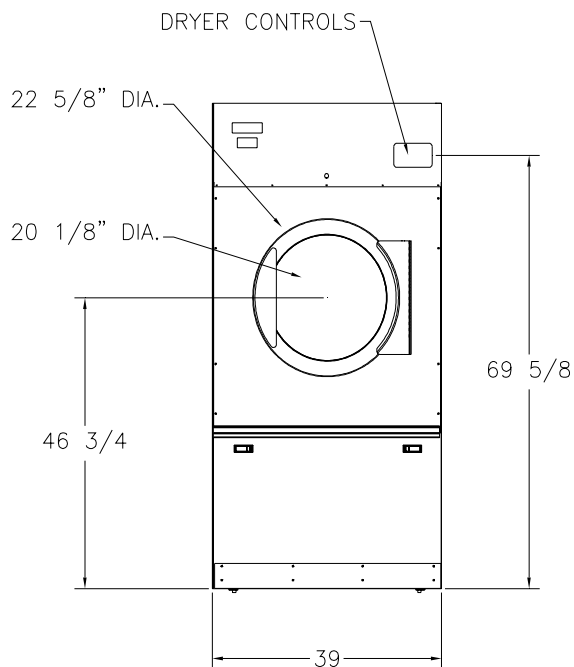
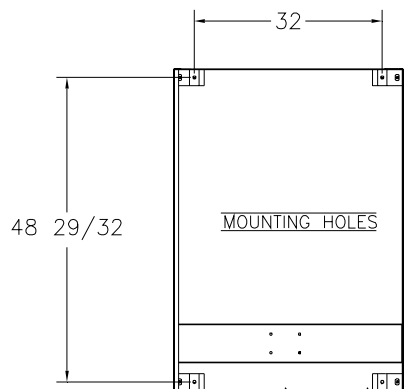
SPECIFICATIONS

* Capacity rating is dependant on intensity of smell. Heavy smells will reduce maximum load to capacity.

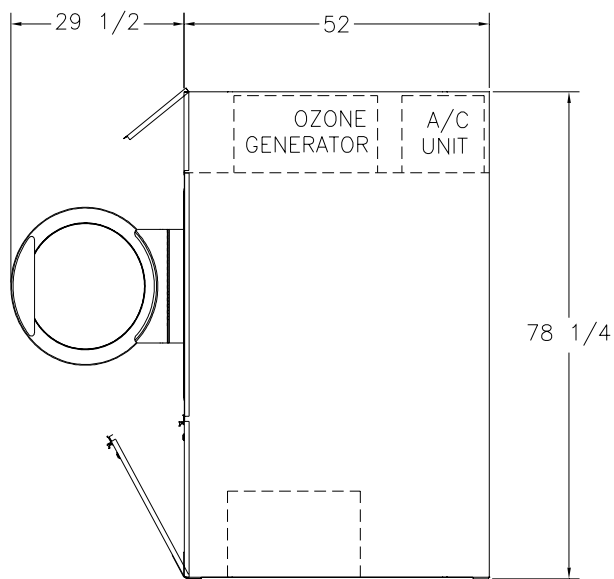
Specifications	U.S. Measure	Metric Measure	
Capacity *	80 lbs. *	36 kg	
Basket			
Diameter	37 inches	940 mm	
Depth	36 inches	914 mm	
Volume	22.4 ft ³	634 liters	
Cabinet			
Height	78-1/4 inches	1988 mm	
Width	39 inches	990 mm	
Depth	52 inches	1321 mm	
Door Opening			
Diameter	22-5/8 inches	575 mm	
Loading height	35-1/2 inches	902 mm	
Motor			
Basket	1/2 HP	0.37 kW	
Fan	1/2 HP	0.37 kW	
Ozone Generator			
Generation method	Corona discharge		
Supply Air	Outside air		
Max ozone output	10,000 mg/hr		
Dehumidifier			
Dehumidification	36.0 Pts./24 Hrs.		
Exhaust Flow Rate			
During purge	1000 cfm	1700 m ³ /h	
During Ozoning	400 CFM(min)	678 m ³ /h	
Diameter	6 inch	152 mm	
Electric Connections			
	120 V	60 - 1 PH	19 Amps
	208/240 V	50/60 - 1 PH	9.7/9.5 Amps
	208/240 V	50/60 - 3 PH	8.9/8.7Amps
	380-415 V	50 - 3 PH	6.1/6.3 Amps
	440-480 V	60 - 3 PH	4.2 Amps
Shipping Dimensions			
(H x W x D)	87 X 42 X 57 inches	2210 X 1067 X 1448 mm	
Export Cube (Carton)	121 ft ³	3.4 m ³	
Weight			
Net	825 lbs.	374 kg	
Gross	855 lbs.	388 kg	

DRYER DIMENSIONS

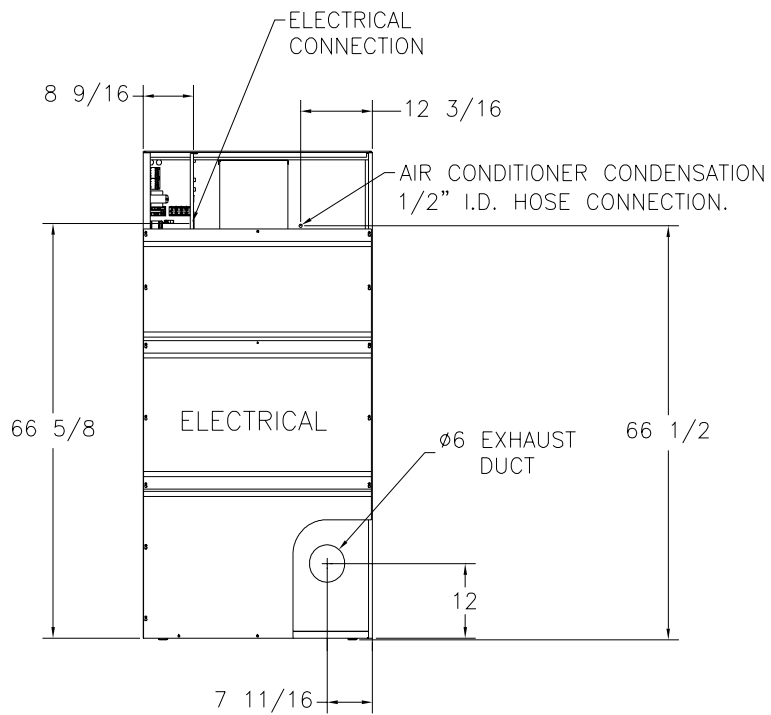
ALL DIMENSIONS ARE $\pm 1/4"$
[$\pm 6.4\text{CM}$] AND ARE SUBJECT TO
CHANGE WITHOUT NOTICE.



FRONT VIEW



RIGHT SIDE VIEW



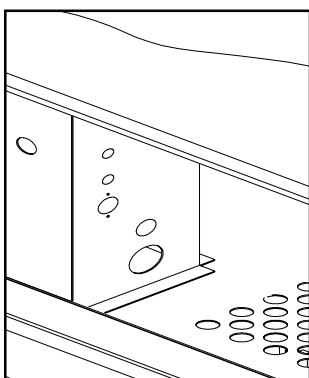
REAR VIEW

ELECTRIC CONNECTIONS

Tumblers 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. Do not change wiring without consulting the factory, as you may void the factory warranty. DO NOT CONNECT THE TUMBLER TO ANY VOLTAGE OR CURRENT OTHER THAN THAT SPECIFIED ON THE TUMBLER RATING PLATE. (Wiring diagram is located on rear wall of tumbler.)

All panels must be in position before operation of tumbler.



The connection needs to be made in the wiring box at the back. Open the coverplate (G) in order to reach the connection clamps.

The connection cable needs to be brought in through the opening on the *side of the wiring box*.



It is necessary to **ground** the dryer for your personal safety and to ensure a good operation.

115 and 208-240 V - 1 ph

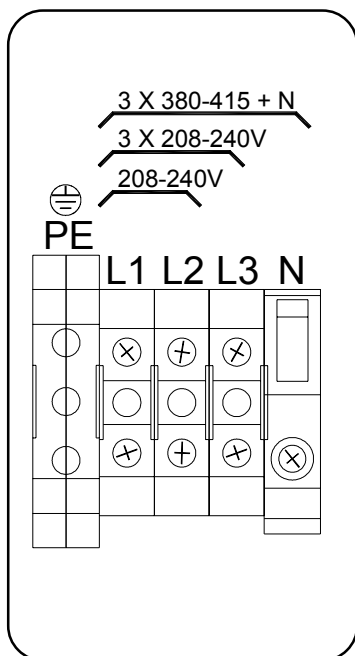
The mains wires (*L1*) and (*L2*) should be connected to the 2 left blocks and the *yellow/green grounding wire (PE)* should be connected to the grounding block.

208-240 and 480 V - 3 ph

The 3 mains wires (*L1*), (*L2*) and (*L3*) should be connected to the 3 left blocks and the *yellow/green grounding wire (PE)* should be connected to the grounding block.

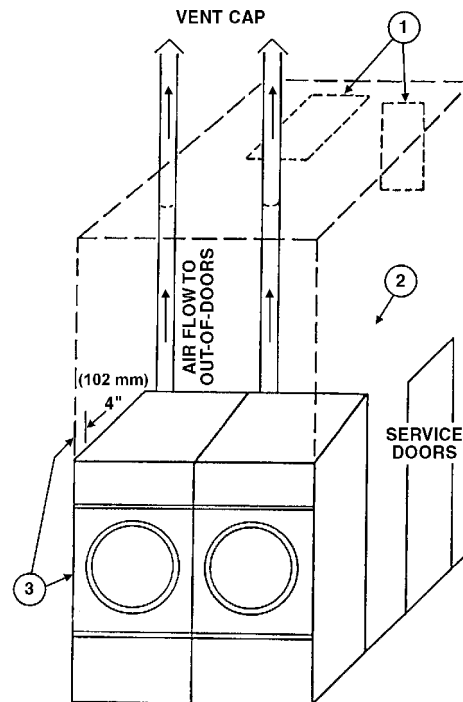
380-415V - 3 ph

The 3 mains wires (*L1*), (*L2*) and (*L3*) should be connected to the 3 left blocks, the *blue neutral (N)* should be connected to the right block and the *yellow/green grounding wire*



«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»

TUMBLER INSTALLATION WITH SEPARATE EXHAUST



TUMBLER INSTALLATION WITH SEPARATE EXHAUST



For ductwork less than 14 feet (5 m) and 2 elbows equivalent and less than 0.3 inches (8 mm) static pressure:

NEVER exhaust the tumbler into a chimney.

NEVER install wire mesh screen over the exhaust or make-up air area.

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

IMPORTANT

Always exhaust to the outside and separately from other equipment.

IMPORTANT

Using a duct (booster) fan is not recommended.

1. Make-Up Air opening from outside the building may enter the enclosure from the top or side walls. The make-up air should be 192 in² (1240 cm²).
2. Enclosure (plenum) with service door. This separates the tumbler air from the room comfort air.
3. Zero inches (mm) clearance to combustible material allowed on sides and at points within 4 inches (102 mm) of front on top.

EXHAUST AND VENTING

TUMBLER AIRFLOW INSTALLATION

Nothing is more important than airflow for the proper operation of a tumbler. A tumbler is a pump that draws make-up air from the outdoors, through the ozone generator, through the clothes and then forces the air through the exhaust duct back to the outdoors. Some of the air is re-circulated from the exhaust back into the bonnet area. Just as in a fluid water pump, there must be a fluid airflow to the inlet of the dryer, if there is to be the proper fluid airflow 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 tumbler with no more than 0.3 inches water column (.8 mbar) 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.

EXHAUSTING DUCT

FOR PROPER OPERATION:

1. Exhaust duct maximum length 14 feet (5 m) of straight duct and maximum of 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 0.3 inches water column (.8 mbar) static pressure in the exhaust duct.
7. Inside surface of the duct **must be smooth**.
8. Recommend pop rivets for duct assembly.

MAKE-UP AIR

FOR PROPER OPERATION:

1. Provide opening to the out-of-doors in accordance with the following:
For each tumbler—
6 inches (2 m) diameter exhaust requires a 1 square feet (0.1 m²) opening for make-up air.

OTHER RECOMMENDATIONS

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

TROUBLESHOOTING

Other Recommendations

To assure compliance, consult local building code requirements.

Troubleshooting

Poor ozone circulation, lint accumulations, or air switch malfunction are indicators of exhaust duct and/or make-up air problems.

RULES FOR SAFE OPERATION OF TUMBLER

1. **Be sure** your tumbler is installed properly in accordance with the recommended instructions.
2. **CAUTION**
Be safe—**shut main electrical power supply off externally before attempting service.**
3. **CAUTION**
Never use drycleaning solvents: gasoline, kerosene, or other flammable liquids **in the tumbler.** *Fire and explosion can occur.*
Never put fabrics treated with these liquids into the tumbler.
Never use these liquids near the tumbler.
Always keep the lint screen clean.
Never put the above items in the tumbler.
4. **Never let children play near or operate the tumbler. Serious injury will occur if a child should crawl inside and the tumbler is turned on.**
5. **Never** use tumbler 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** or **precautions**.
7. **Never** tumble fiberglass materials in the tumbler unless the labels say they are machine dryable. Glass fibers break and can remain in the tumbler and could cause skin irritation if they become mixed into other fabrics.
8. **Reference**
Lighting and shut-down instructions and wiring diagrams are located on the rear wall of the tumbler cabinet.
9. **The tumbler must not be installed or stored in an area where it will be exposed to water and/or weather.**



IMPORTANT

Opening the loading door deactivates the door switch to shut off the motors, fan, and ozone generator. The loading door should not be opened until the "Purge" cycle is complete. Ozone (O₃) can be harmful if inhaled when the Parts Per Million (PPM) is above the maximum safe level for an occupied area.



IMPORTANT

When the power to the dryer is turned off or disrupted, the E-stopped must be engaged (push in) before the main power to the dryer is turned back on. After five seconds the E-stop can be disengaged (pulled out). This procedure prevents the inventor from going into a fault mode, which will keep the fan motor from running.

RECOMMENDED TUMBLER OPERATION GUIDELINES

Benefits

- The Eliminator reduces the amount of space necessary for the smoke removal process
- The Eliminator is environmentally sound and safer on the garments than an Ozone Room
- The Eliminator saves time: A load of 300 garments, depending on the intensity of the smell, on average will only take 6 – 10 hours with the Eliminator compared to 24 – 48 hours with an ozone room

For the Best Results in Removing Smoke and Odors

1. Run the smoke load through the Eliminator first to remove smoke smell and to break up any soot
2. Wash or dry clean garments to remove the ozone smell and to produce a better finish
3. For heavier smoke loads repeat steps 1 & 2

Run Time

- Tumbler runs 60 minutes with ozone injected into the basket
- Then runs an additional 5 minutes of purge time (the inverter drive kicks the motor into high speed spin)
- There is a dehumidifier on the Eliminator that enables higher production of ozone, and it aids in reducing the breakup of the O₃ molecules which causes the ozone to last longer

Suggested Load Capacity

Using a scale 0 - 5 based on smell intensity

0 being very little smell

5 being very heavy smell

Smell Range	Load Capacity (Dry Clothes)
0 – 1	60 – 80 lbs
2 – 3	50 lbs
3 – 4	30 lbs
5	15 – 20 lbs

For loads that fall into the smell range of 3 – 5, it is recommended to run the loads twice in the Eliminator.

GENERAL MAINTENANCE

DAILY	<p>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.</p> <p>DRYER AREA. Keep dryer area clean and free from combustible materials, gasoline and other flammable vapors and liquids.</p>
THREE MONTHS	<p>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.</p> <p>EXHAUST SYSTEM. Check and clean.</p> <p>OZONE GENERATOR. Mica sheets stainless screen and generator chamber must be cleaned and dried under normal use. Refer to owner manual for servicing instructions. May need to clean more often under heavy use.</p>
SIX MONTHS	<p>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.</p> <p>MAKE-UP AIR. Do not obstruct the flow of combustion (make-up) air and ventilating air. Check ducting for obstructions.</p> <p>DRYER VOLTAGE. Check dryer voltage per dryer Rating Plate.</p> <p>AIR SWITCH. Check air switch alignment.</p>
YEARLY	<p>ELECTRIC MOTORS. Keep motors clean and dry.</p> <p>LOADING DOOR GASKET. Check for tears, rips, gashes, etc. Replace if damaged.</p>

INSTRUCTIONS FOR ALIGNING BASKET

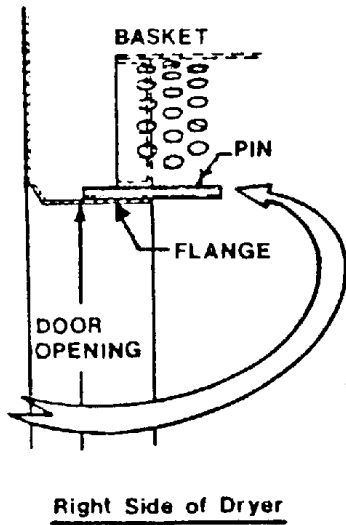


Fig.1

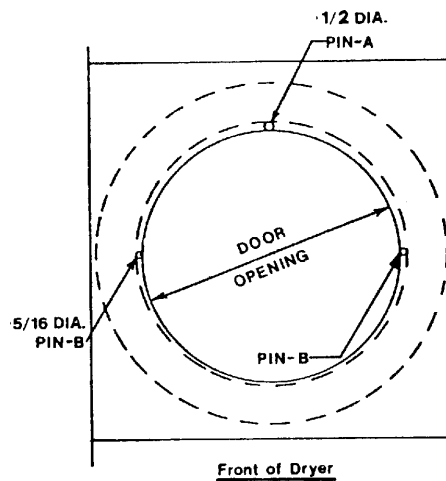


Fig.2

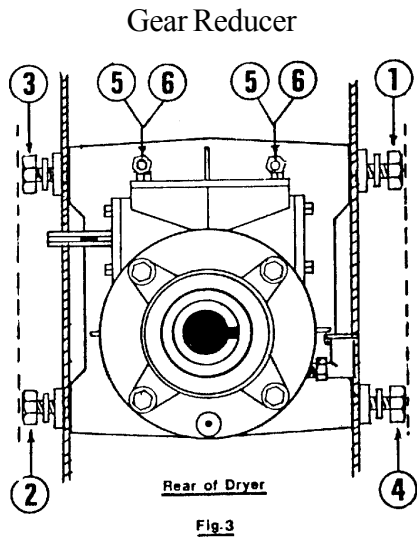


Fig.3

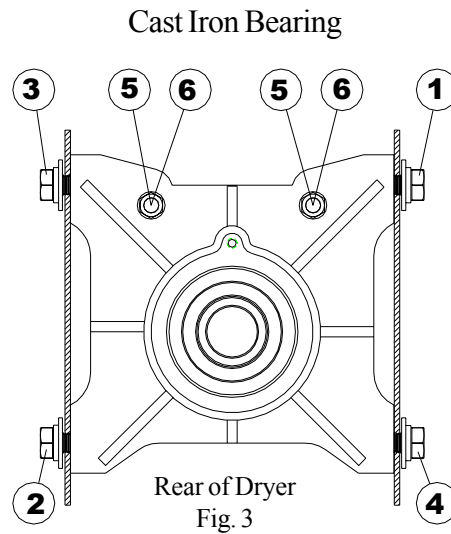


Fig. 3

1. Loosen the 4 cast iron bearing bolts or gear reducer (1, 2, 3 & 4) on rear of dryer, and 2 adjusting bolts #5, on gear reducer housing. (Fig. 3).
2. 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 Figure 1 and Figure 2. Check the two "B" pins for equal clearance.
3. With the pins in position, tighten the two No. 5 bolts until flush against back of dryer. Retighten cast iron bearing or gear reducer mounting bolts in the numerical order indicated in Figure 3. Tighten lock nuts No. 6 to secure bolts No. 5 in position. Then remove pins.
4. Check the space between basket and door opening at "A" pin and "B" pin positions (Figure 2). If the gap is not approximately the same on both sides, repeat steps 1, 2 & 3.

NOTE: Use short sections of round steel rod for pins or drill bits may be used in place of round rod.

INSTRUCTIONS FOR REMOVING AND CLEANING PLATES IN OZONE GENERATOR

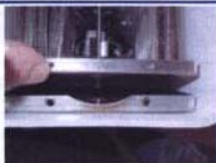
1. The new hose connector/end cap is much stronger and has an ozone resistant silicone seal. The cap is removed the same way as the original model, by removing 2 screws.



2. The generator plate rack is secured by two screws that are located inside the unit behind the end cap instead of on the bottom as indicated in the original manual.



3. The plate rack is removed by lifting it up and pulling it out.



4. The plates are held in place by a bar that is held in place by a wing nut, the HV contact bar is also held down by 2 wing nuts, remove these three wing nuts.



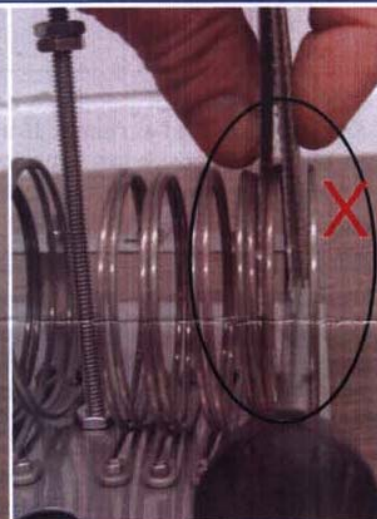
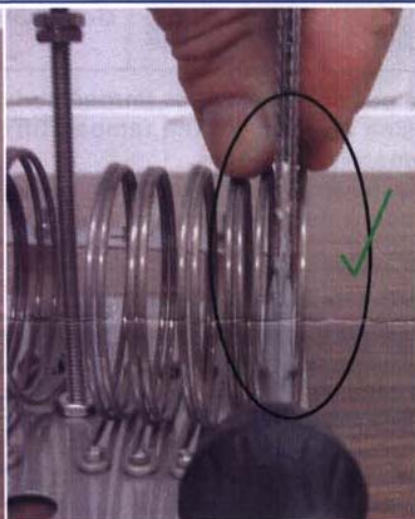
5. Once the bar and contact bracket are removed, remove the plates by lifting them straight up as shown.



6. Next refer to the plate cleaning instructions.

PLEASE ENSURE THAT ALL PARTS ARE COMPLETELY DRY PRIOR TO RE ASSEMBLY!

7. Reinstall plates by first using a screw driver to separate the tight ring springs as shown. Then slip the plate in between the springs, making sure that the spring does not go up in the middle of the plate as shown.



8. Re install the plate hold down bar as shown in the step 4 picture. Re install the HV clamp making sure that all the HV wires from the plates are clamped tight.

9. Please note that when re installing the plate rack, the front of it must fit under the screws indicated in the diagram.



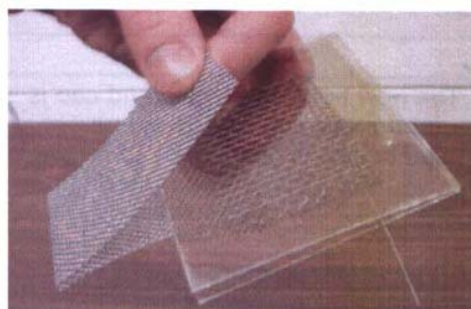
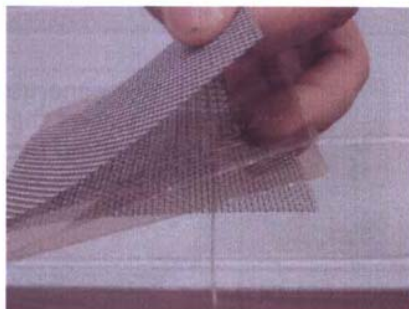
10. Replace the plate rack, reinstall the screws that hold the rack in place and reinstall the end cap and screws.



11. To access the filter remove the end cap at the air input end of the ozone generator in the same way the output cap was removed in step one. The filter may be washed with soapy water or replaced with a new filter available thru your CAMI supplier. If another brand of filter is used please ensure that it has good air flow or else the ozone generator could overheat due to lack of cooling.

INSTRUCTIONS FOR REMOVING AND CLEANING PLATES IN OZONE GENERATOR

1. Please familiarize yourself with how the plate is assembled prior to disassembling.
Remove outer screen, as shown.



2. Disassemble all part as shown

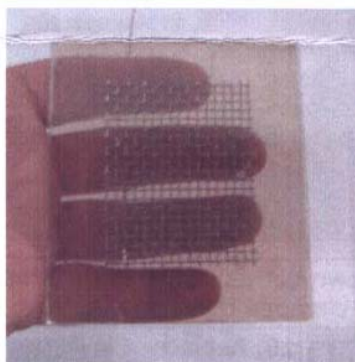


3. Take mica and stainless screens and clean in the sink using dish soap and an old toothbrush. If the plates have not been cleaned for a long time, it is important to use the tooth brush to help remove the flaking mica. Rinse with clean clear water.



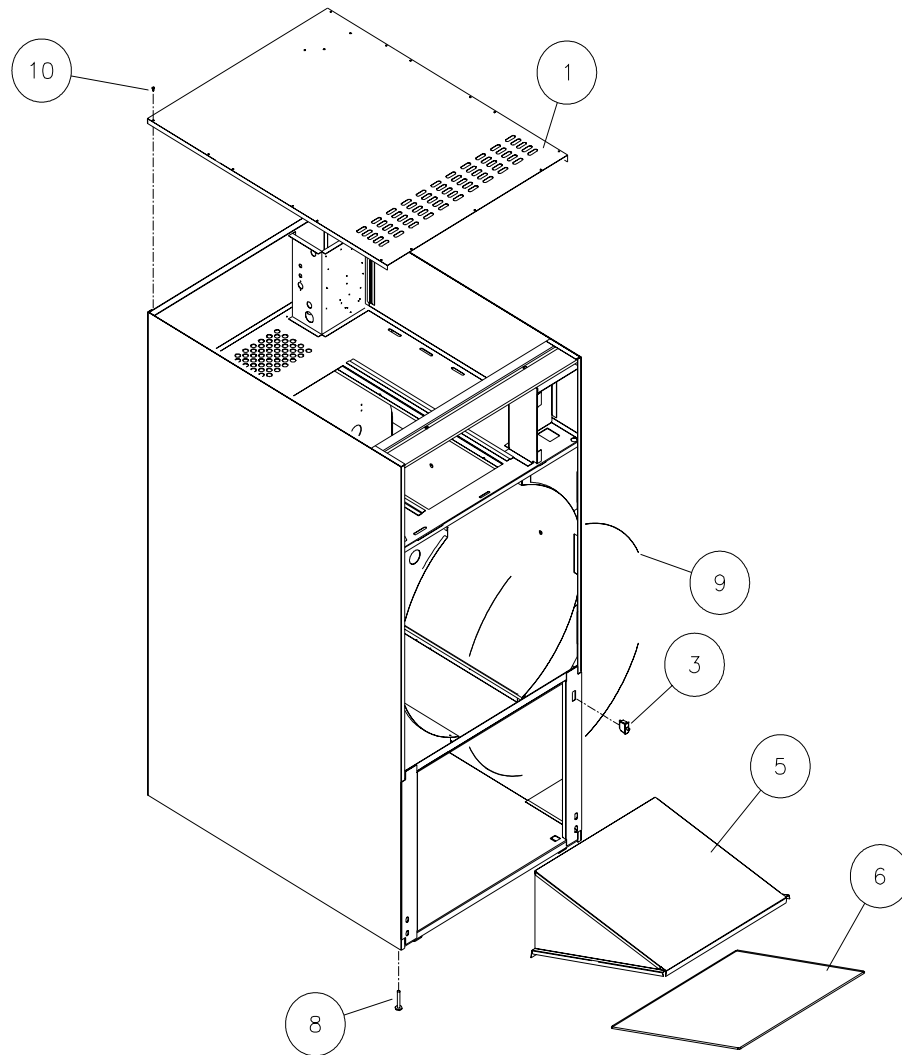
4. If the generator needs to be put back in service immediately you will need an oven or other source of heat to dry the mica and screens. If using an oven set the temperature at about 200° F and place the mica and screens on the middle rack for approximately 1-2 hours.
If there is no rush or you do not have access to an oven, place the mica and screens in a very warm dry place such as on an operating base board heater to dry overnight, or if it must air dry leave it dry for several days with good air flow .

5. Once all the Mica and screens are dry re assemble by placing one mica in your hand, then place the inner screen square in the center of the mica. Place the second mica on top of the inner screen and then re install the folded outer screen , as shown.



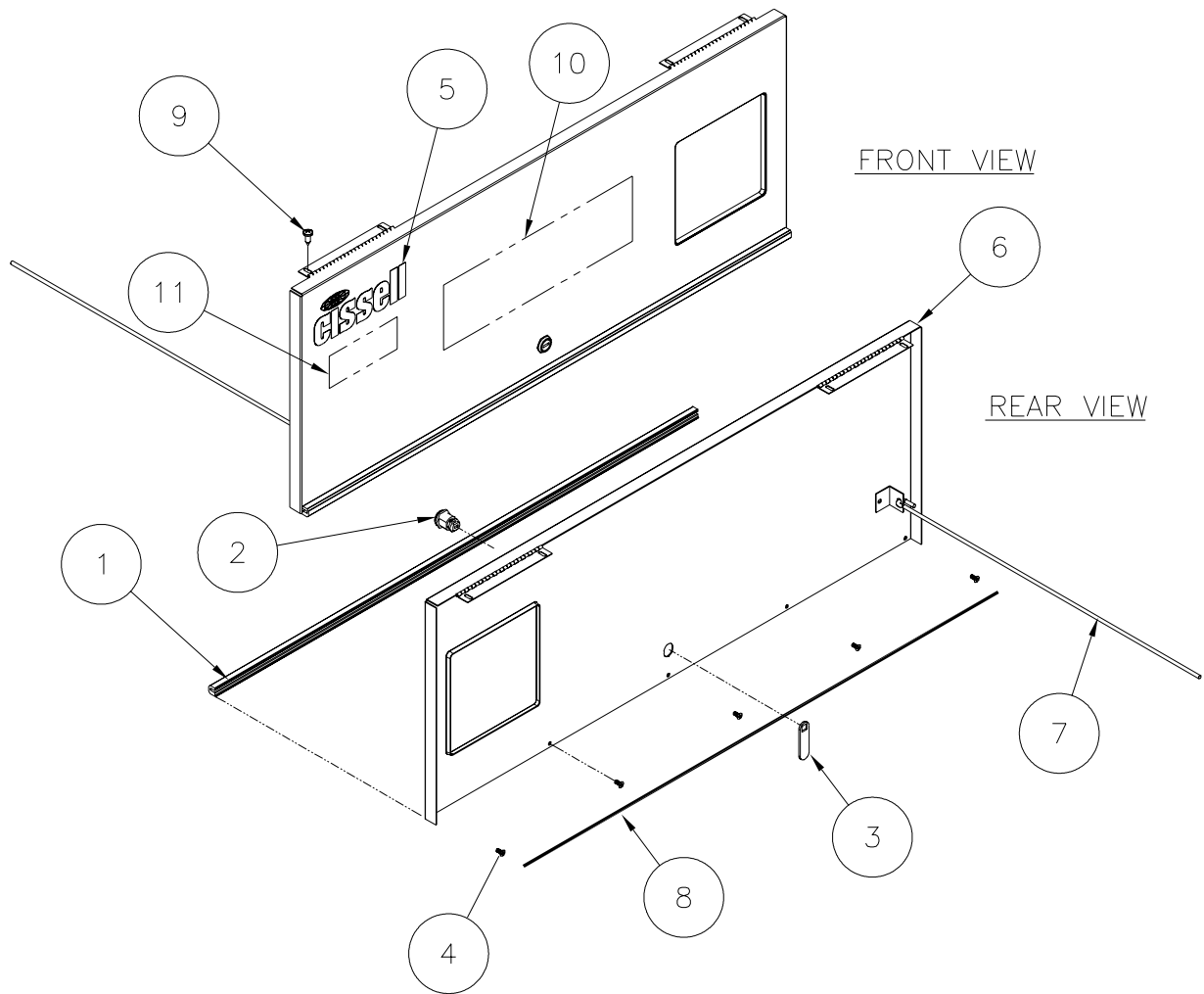
6. When all plates are clean, dry, and re assembled refer back to the plate removal instructions for instructions on re installing the plates.

FRONT VIEW



Ref. No.	Part No.	Description
1	TU14849	Top
3	EA-11621-0	Switch door
5	TU10290	Lint trap welded assembly
6	TU10362	Lint screen
	TU5225	Lint screen frame
8	TU3211	Leveling bolt
9	430146179	Gasket, 5 feet
10	TU7733	Screw selfdrilling 8-18 X 1/2"

CONTROL DOOR ASSEMBLY

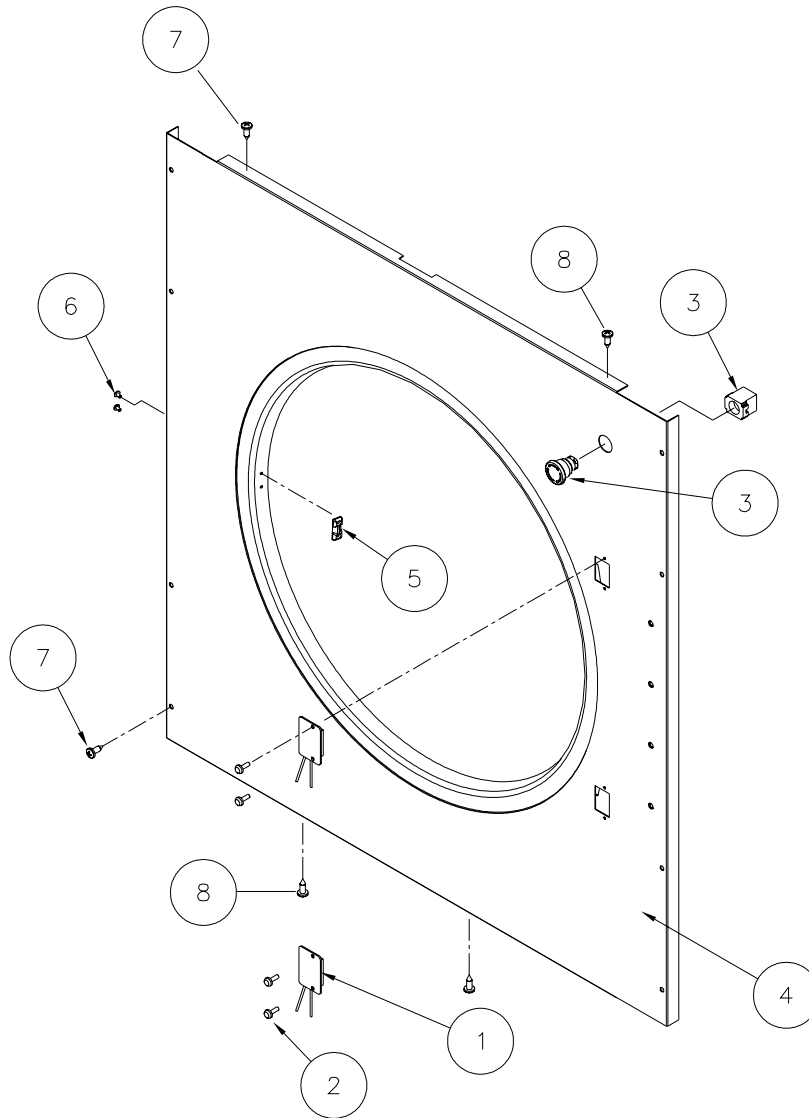


Ref. No.	Part No.	Description
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CSA-01510GY	Access Door Assembly Complete, Gray (with out labels).
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1	CA-00858-0	Trim - control door
2	LA-00121-0	Lock - control door
3	LA-11941-0	Lock - cam
4	SB-00951-0	Screw -phillips #8 x 7/16 flat hd.
5	TU14957	Logo "CISSELL"
6	CSA-01416GY	Panel welded assembly
7	TU15446	Support arm
8	CA-13098-0	Door Gasket
9	TU7733	Screw, #8-18 self drilling
10	TU16210	Label, "Eliminator"

FRONT PANEL ASSEMBLY

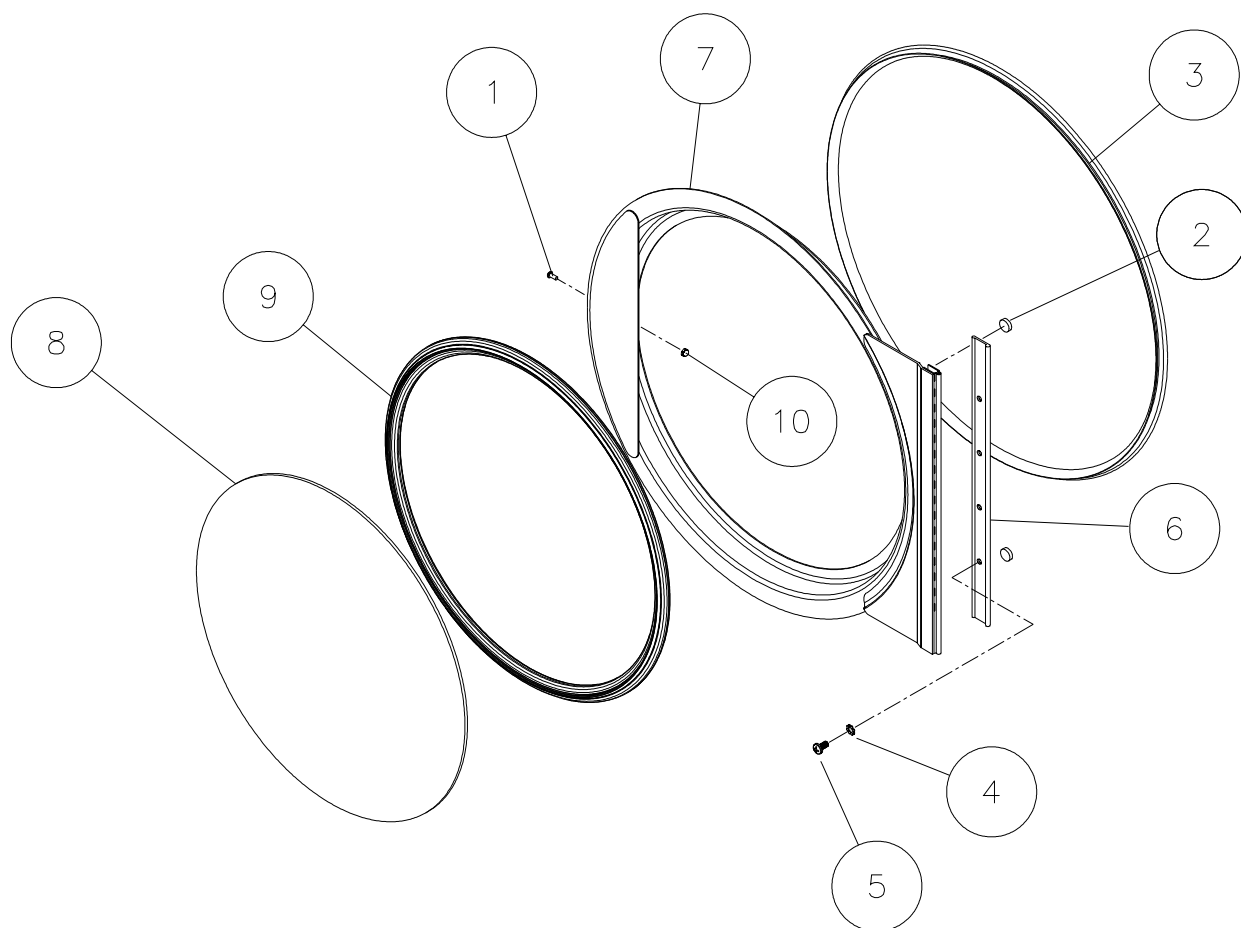


Ref.

No.	Part No.	Description
TU16176GY - Front panel assembly complete, with E-stop button		

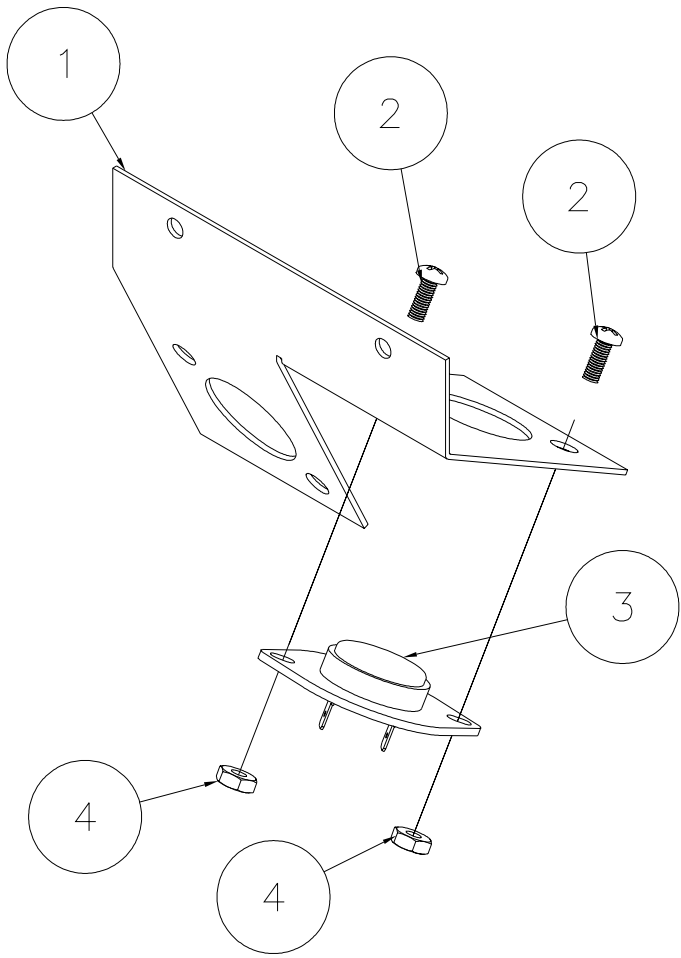
1	ESA-00862-0	Reed switch
2	SB-00975-0	Screw, #6-32
3	TU14435	Emergency stop assembly
	a) 209/00248/00	Emergency stop button
	b) 209/00253/00	Contact
	c) 209/00520/00	Label
4	TU14532GY	Front panel W/A
5	TU2876	Door catch
6	TU3213	Pop rivet
7	SB-00915-0	Screw, #10-16 selfdrilling
8	SB-00836-0	Screw, #10 Pancake

DOOR ASSEMBLY



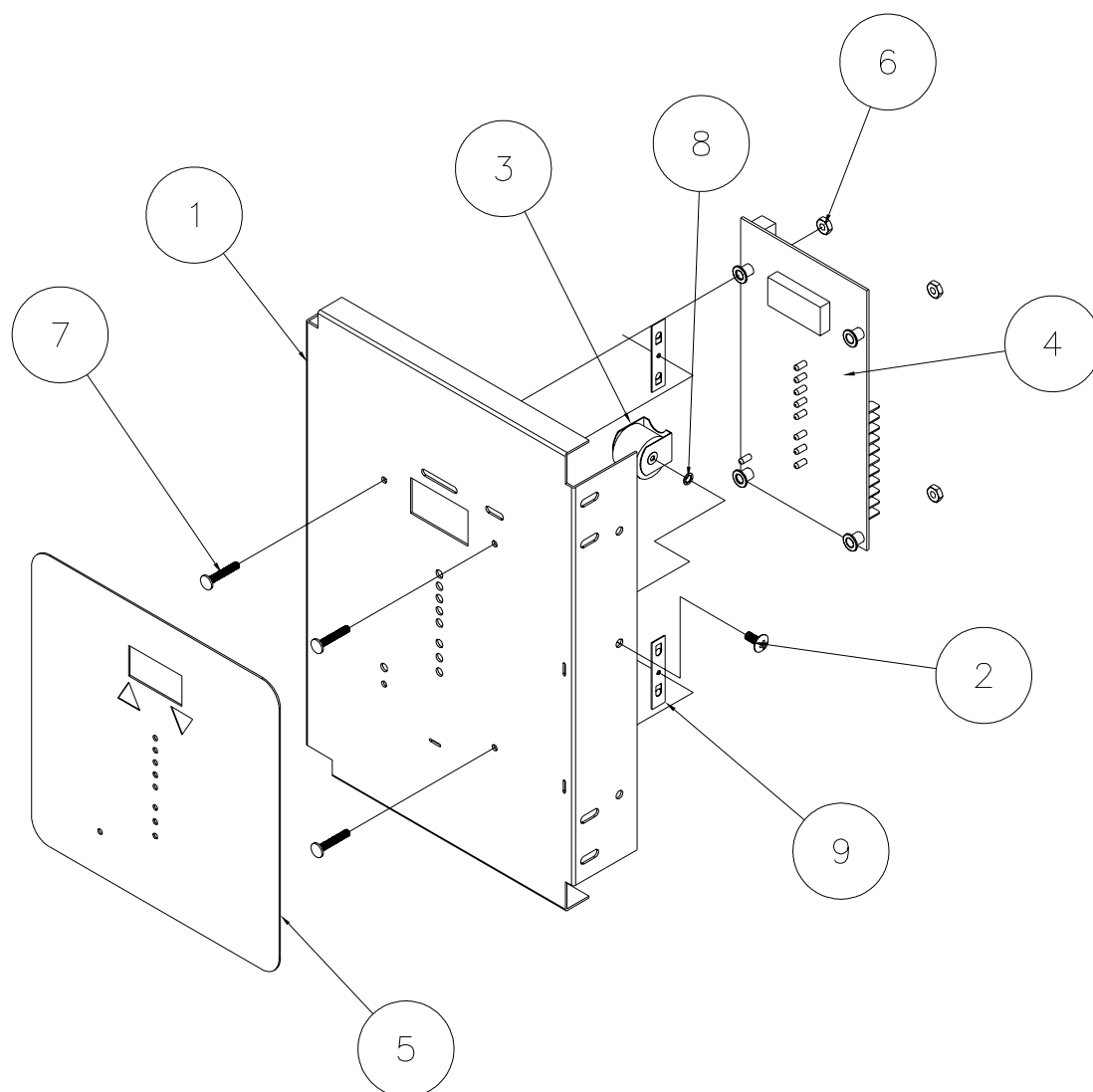
Ref. No.	Part No.	Description
	TU15110BLK	Complete door assy
1	CA-13218	Catch pin
2	TU15536	Magnet - read switch
3	MD-00360-0	Gasket - door rim gasket
4	SB-00852-0	Washer 1/4" external starluck
5	SB-00921-0	Screw 1/4"-20 round head
6	TU15073	Door hinge spacer
7	TU15076BLK	Door rim w/a
8	TU15107	Door glass
9	TU15108	Door glass gasket
10	TU4840	#10-32 Crown nut

DMP THERMOSTAT ASSEMBLY



Ref. No.	Part No.	Description
1	CA-13172	MTG. Bracket
2	SB-00952	#6-32 x 3/8 Screw
3	TU11991	Thermistor
4	TU3400	#6-32 Hex Nut

DMP OPL CONTROL ASSEMBLY



Ref.

No.

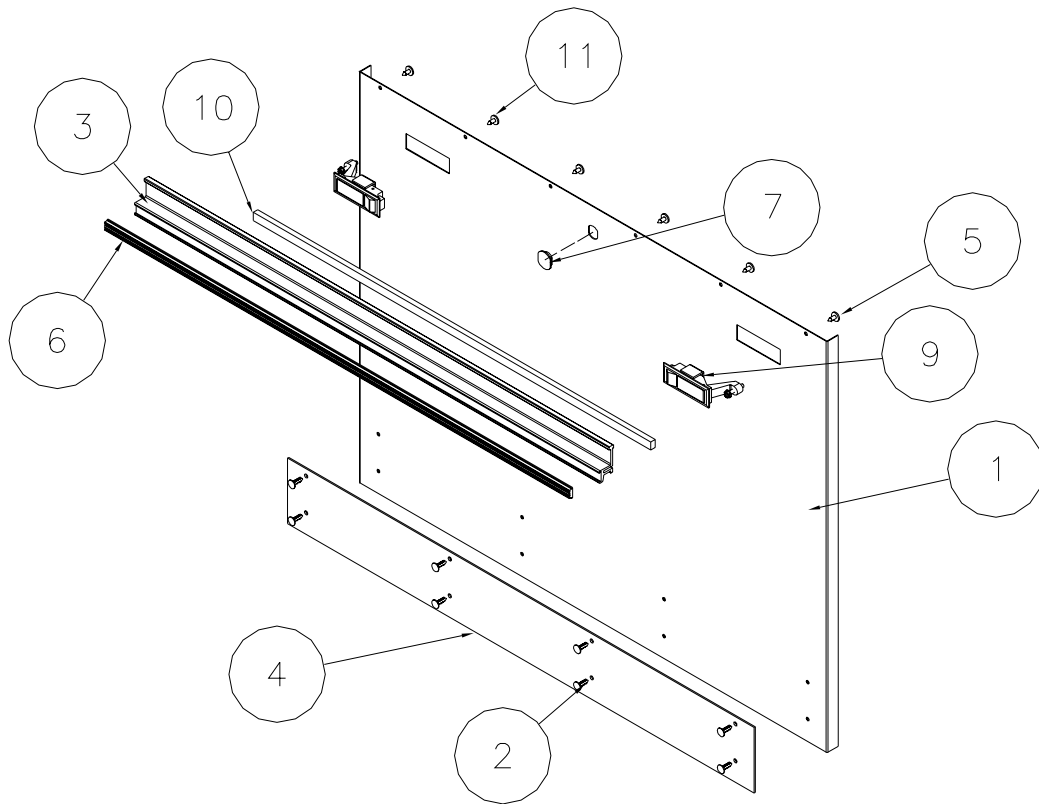
Part No.

Description

TU16220 - DMP Control Panel Complete

1	TU15252	Control panel
2	M262	#8-32 Screw
3	TU14137	Buzzer 24V (Optional)
4	TU14404	DMP Control
5	TU16221	Overlay
6	TU3400	#6-32 Nut
7	TU12253	#6-32 Stud
8	M270	#6 Lockwasher
9	TU1771	Speed nut twin type

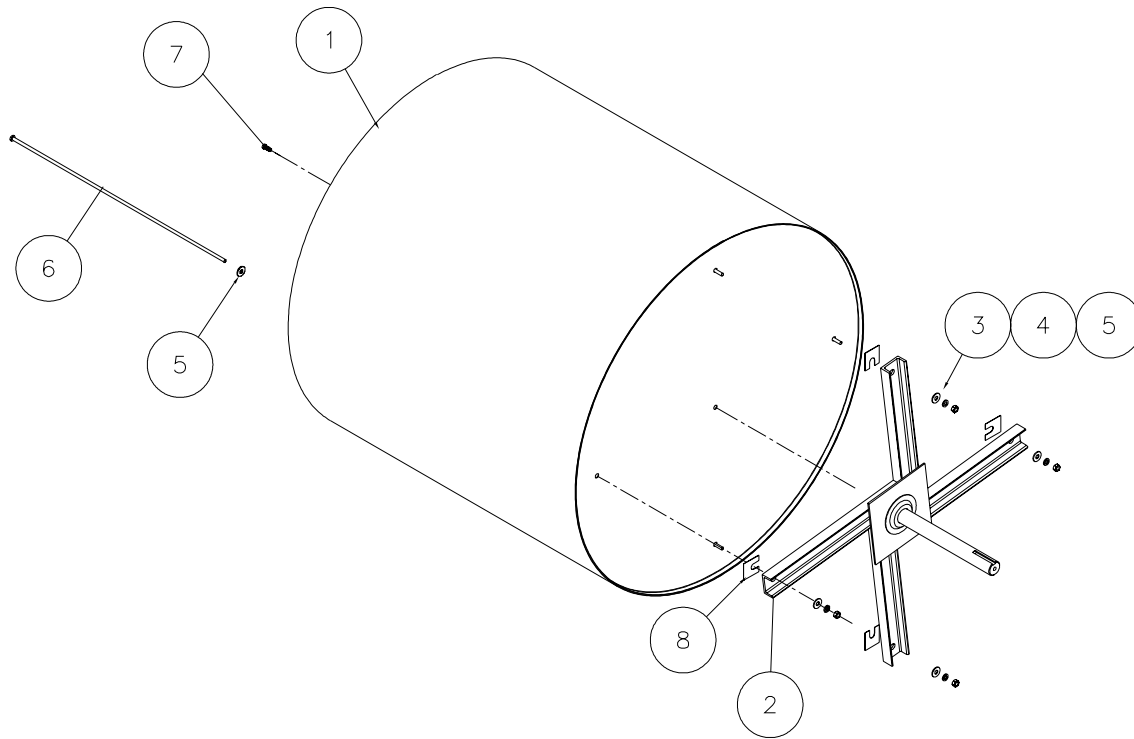
LINT DOOR ASSEMBLY



Ref. No.	Part No.	Description
	TU15667GY	Lint door complete Assembly
1	TU15659GY	Lint door W/a
2	SB-00949-0	Fastener plastic kickplate
3	CA-00697-0	Lint door handle
4	CA-00839-0	Kickplate
5	SB-00836-0	Screw, Pancake #10
6	CA-00655-0	Trim, Rubrail - specify 39" Lg.
7	TUD0412	Plug
9	LA-00123-0	Latch
10	TU2853	Door Gasket - specify 39" Lg.
11	SB-00915-0	Screw, Roundhead #10

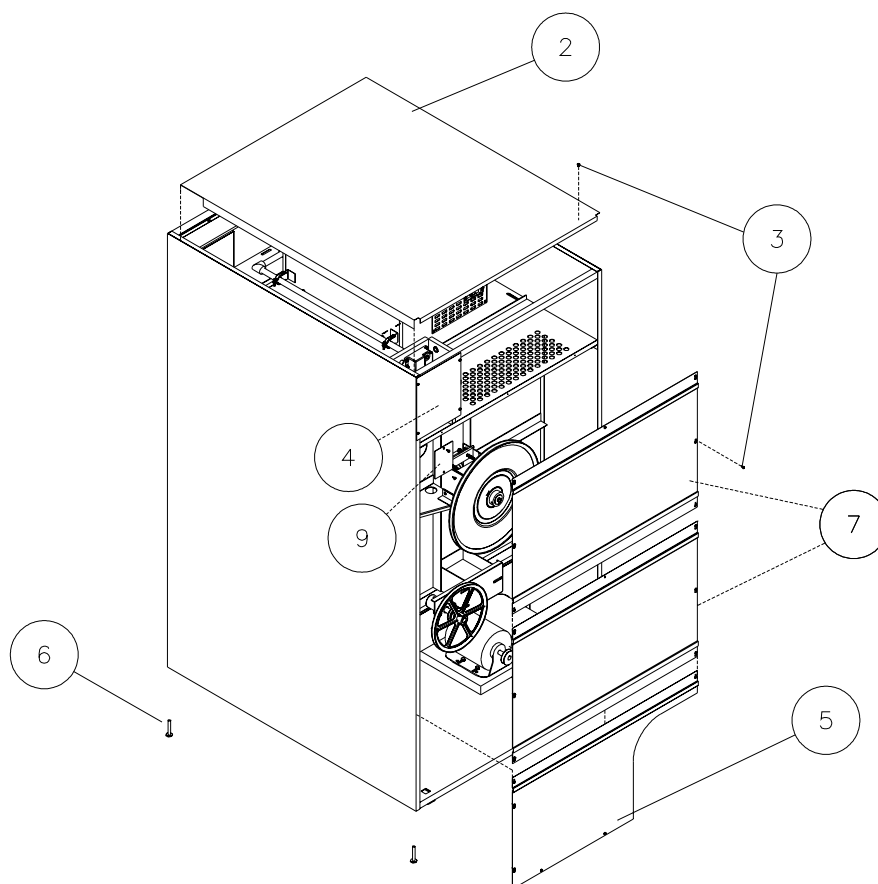
* Specify Color

BASKET & SPIDER ASSEMBLY



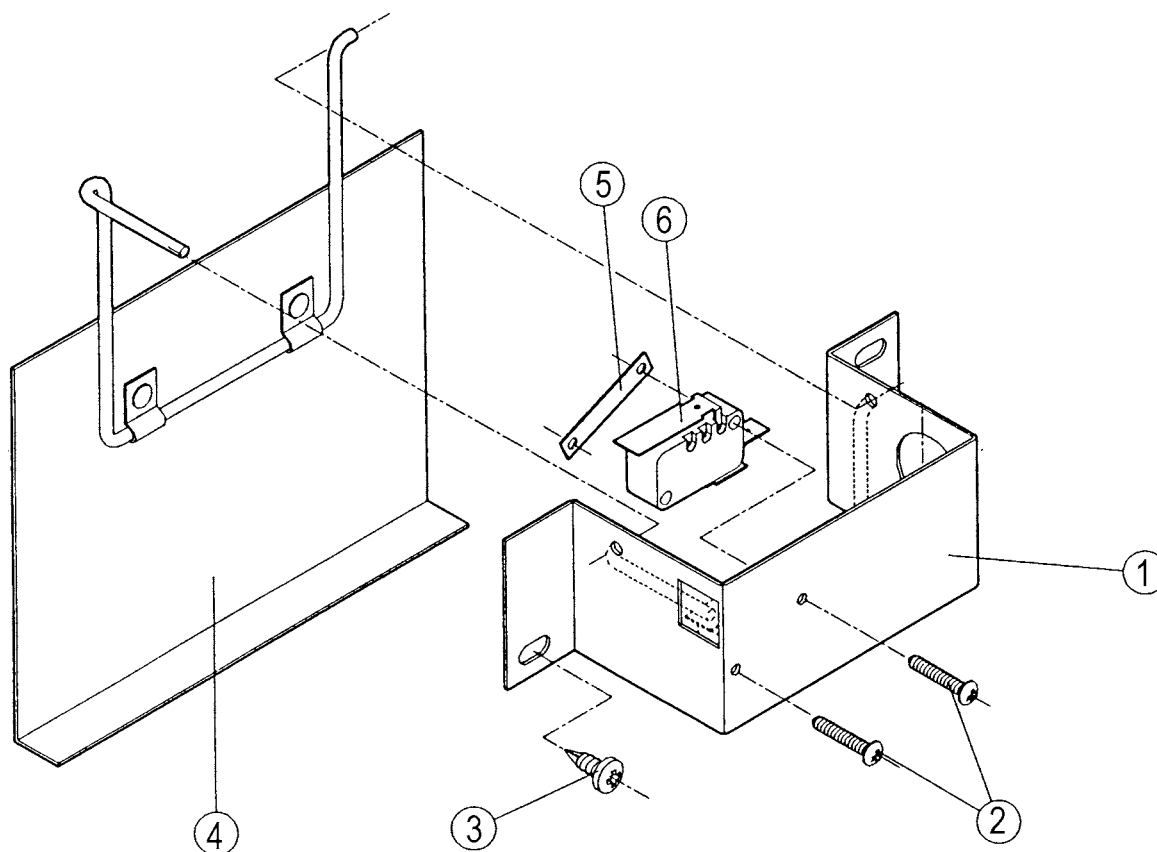
Ref. No.	Part No.	Description
	TUS14866	Basket & Spider Assembly HD75 - S.S. (Belt Drive)
	TU14866	Basket & Spider Assembly HD75 - Galv. (Belt Drive)
1	CSA-01690-0	Galvanized basket assembly (Belt & Gear Drive)
2	TU14865	Spider Assembly (Belt Drive)
3	TU2831	Lockwasher 1/2"
4	TU2882	Hex nut 1/2-20
5	TU2883	Washer, flat 1/2"
6	TU8297	Basket bolt
7	SB-00965-0	Screw button cap
8	TU7006	Shim, basket spider

REAR VIEW



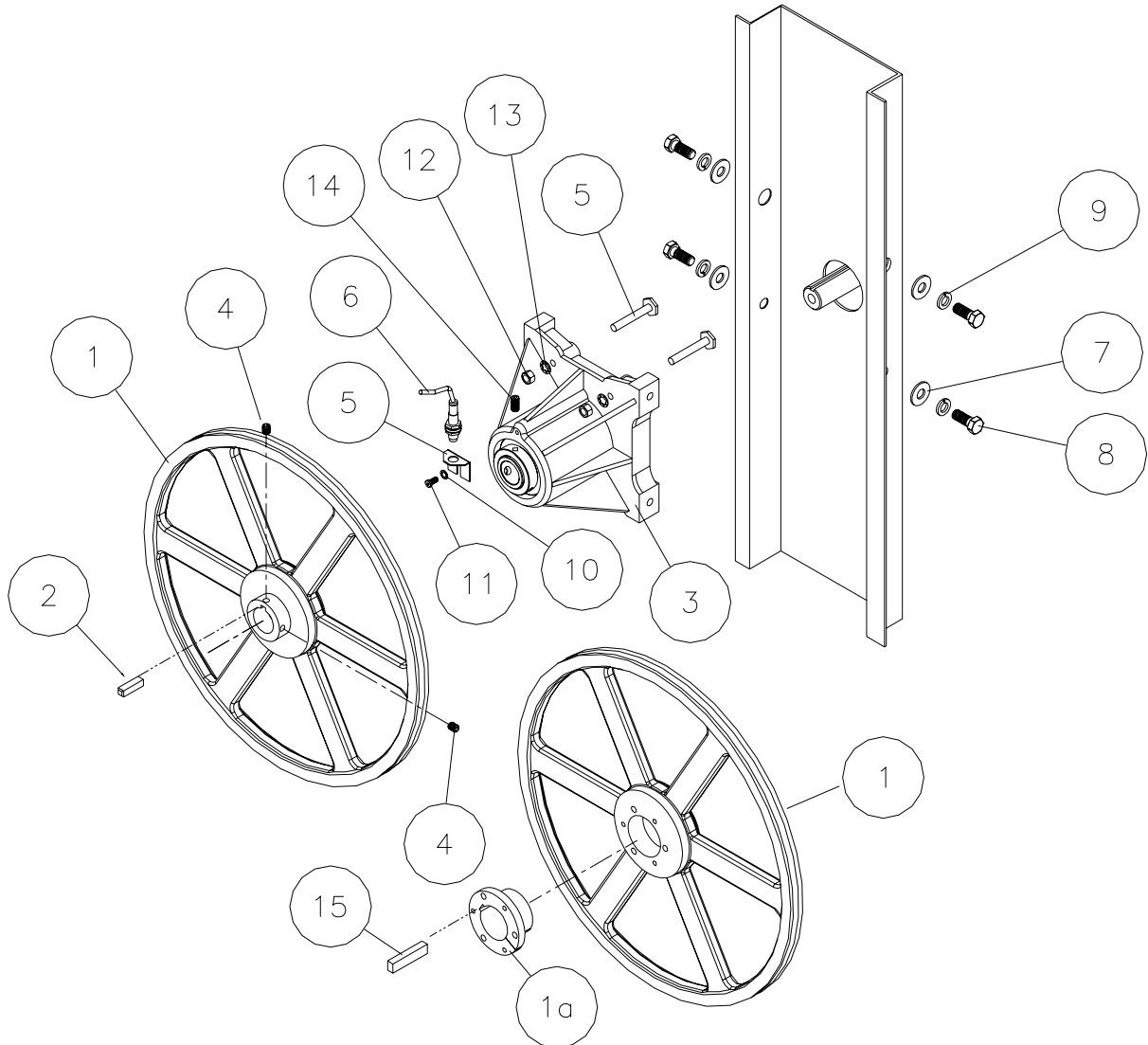
Ref. No.	Part No.	Description
2	TU14849	Top panel
3	TU7733	Screw self drilling 8-18 x 1/2"
4	TU14725	Cover plate
5	CA-13259-0	Lower rear cover
6	TU3211	Leveling bolts
7	CA-13272-0	Upper rear cover
9	TU15671	Air switch cover

AIR SWITCH ASSEMBLY



Ref. No.	Part No.	Description
	CSA-01334-0	Sail switch assembly complete
1	CA-11854-0	Bracket, Sail Switch
2	SB-00955-0	Screw, phillips, #4 x 3/4" lg.
3	TU7733	Screw, self drilling, #8-18 x 1/2" lg.
4	CSA-01669-0	Plate, Sail Switch
5	SB-00954-0	Clip, Tinnerman
6	EA-00618-0	Micro Switch

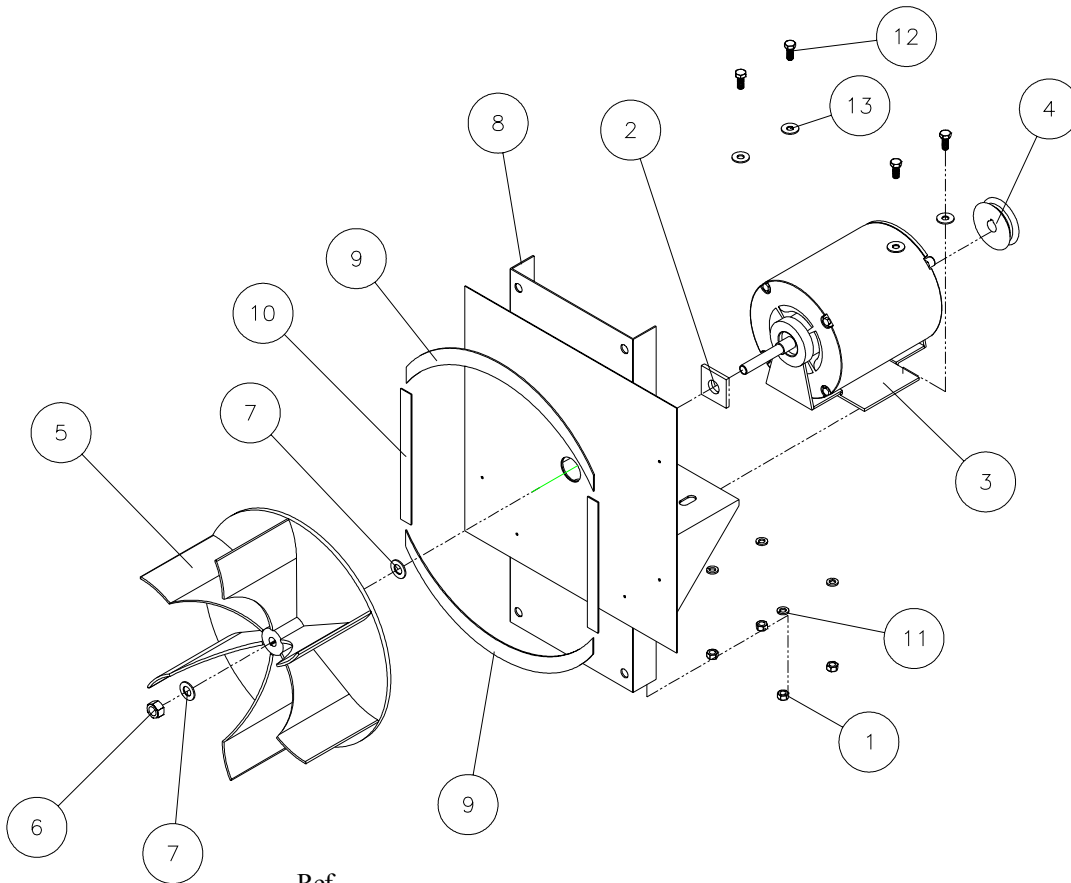
BASKET BEARING AND SHEAVES



Ref No.	Part No.	Description
1	TU15174	18" Dia. Sheave (Non-reversing)
	TU15157	18" Dia. Sheave (Reversing)
1a	TU15154	1 7/16" Tapered Bushing
2	TU14973	3/8" Key
3	TU15613	1 7/16 Cast Iron Bearing
4	TU10644	Set screw
5	TU15588	Rotation Bracket
6	TU14414	Rotation sensor

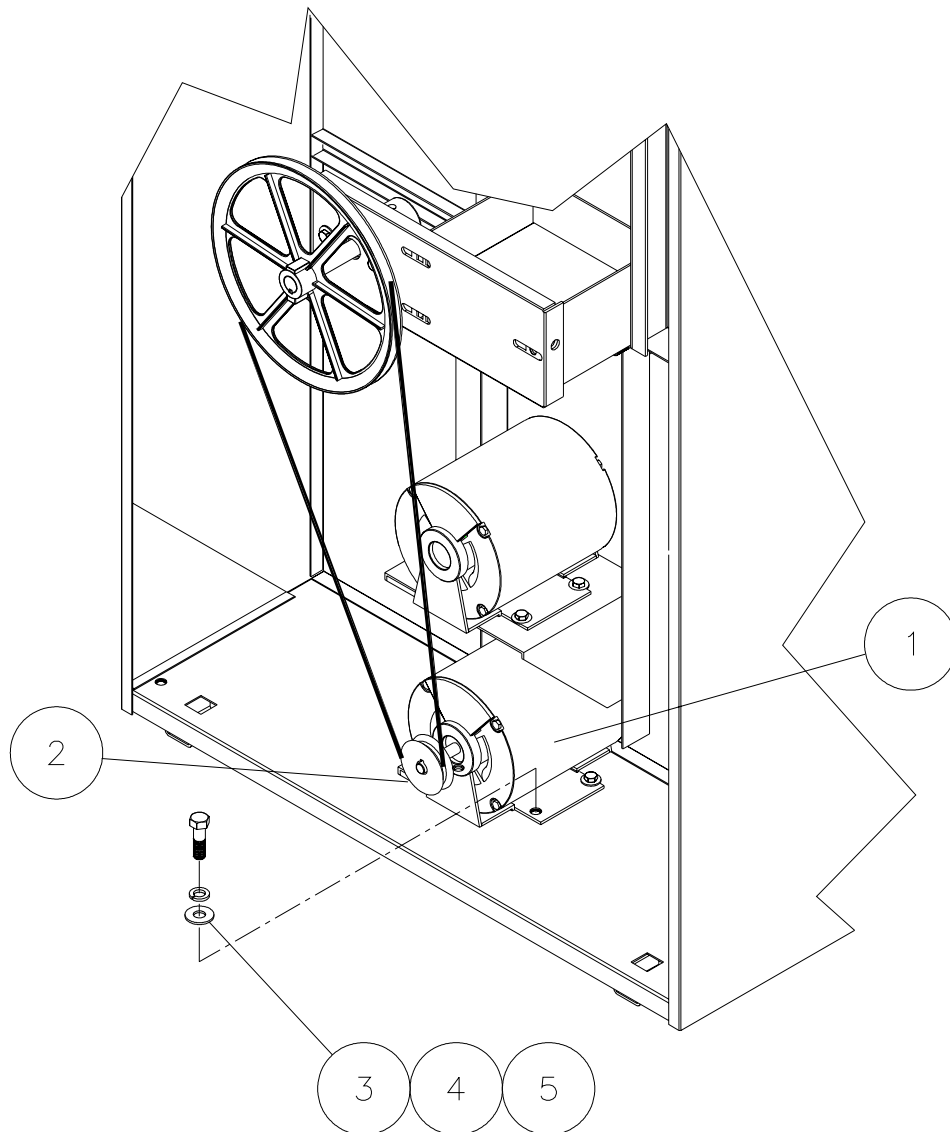
Ref No.	Part No.	Description
7	TU1851	1/2 Flat washer
8	RC347	1/2-13 x 1 1/4" H.H. Screw
9	TU2831	1/2 Lock washer
10	RC349	1/4 Internal tooth washer
11	TU15698	1/4-20 Low head socket bolt
12	TU4787	3/8-16 hex nut
13	TU3243	3/8 Internal tooth washer
14	TU15686	#10-32 x 3/4 lg Set screw (One required for rotation sensor ONLY)
15	TU15317	3/8" Key

MOTOR & FAN ASSEMBLY



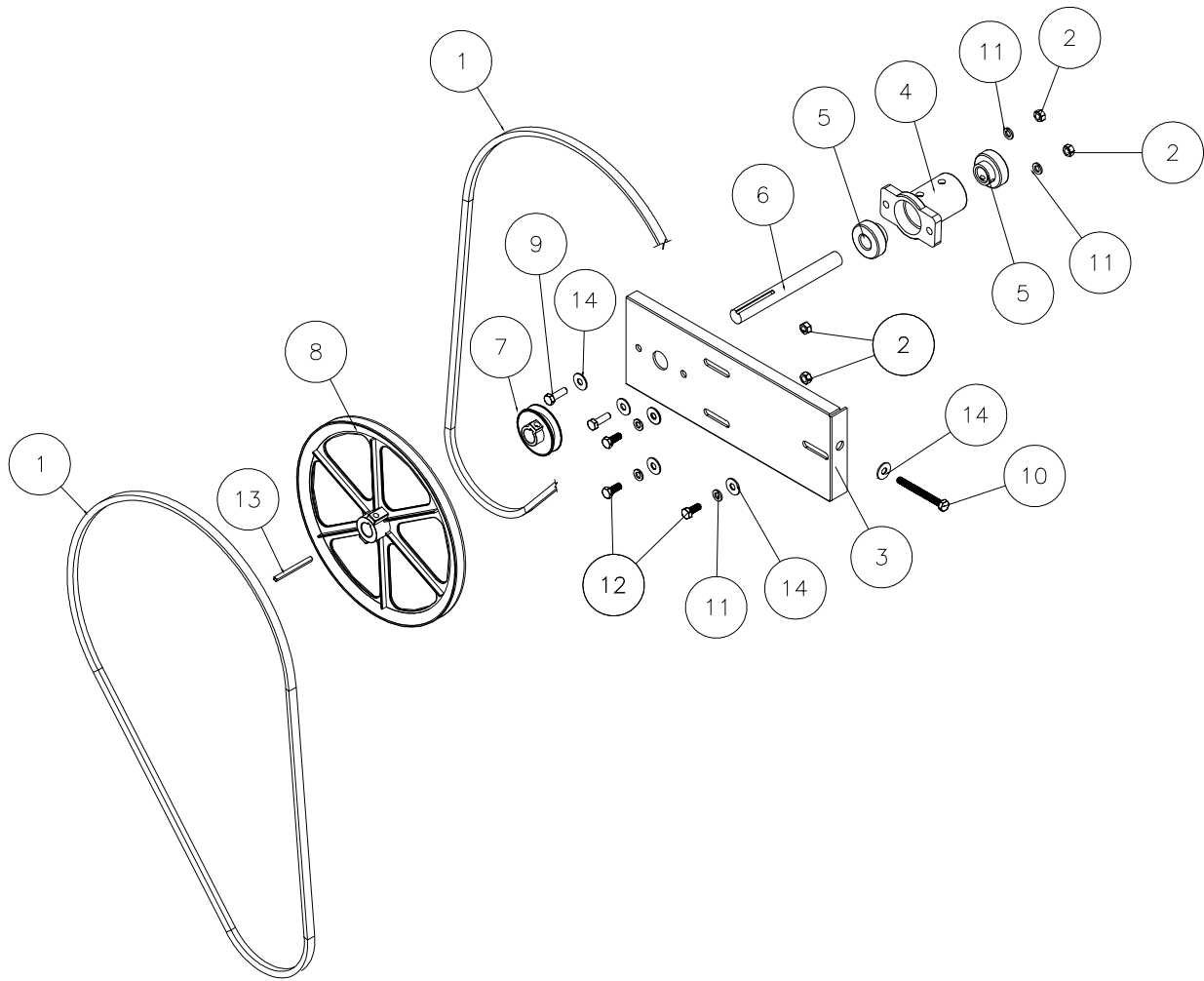
Ref. No.	Part No.	Description
1	C249	Nut, 5/16-18 (4 each)
2	DA-00460-0	Seal
3	DA-00477-0	3/4 h.p. motor 50/60/1 (Single MTR. N/R)
	DA-00480-0	3/4 h.p. motor 50/60/3 (Single MTR. N/R)
	MTR303	1 h.p. motor 50/60/3 (G/R Steam)
	MTR301	1 h.p. motor 50/60/1 (G/R Steam)
	MTR313	1/2 h.p. motor 50/60/3 (Rev. & G/R Gas & Elec.)
	MTR314	1/2 h.p. motor 50/60/1 (Double MTR. N/R & G/R Gas & Elec.)
4	TU15167	Sheave cast IR 2.4X5/8 50hz.
	TU14690	Sheave cast IR 2.1X5/8 60hz
5	DSA-00812-0	Fan 13" machined
	TU15545	Fan 14" machined 5/8" Bore
6	SB-00813-0	Nut, 1/2-20 left hand rev. lock
7	SB-00847-0	Washer, 1" O.D. x .505 I.D. (2 each)
8	TU14869	Motor mount
9	TU2473	Gasket, curved (2 each)
10	TU2474	Gasket, cork 8" (2 each)
11	TU2814	Washer, lock 5/16" (4 each)
12	TU5439	Screw, cap HH 5/16-18 (4 each)
13	VSB130	Washer, cut 5/16" (4 each)

MOTOR ASSEMBLY- REVERSING



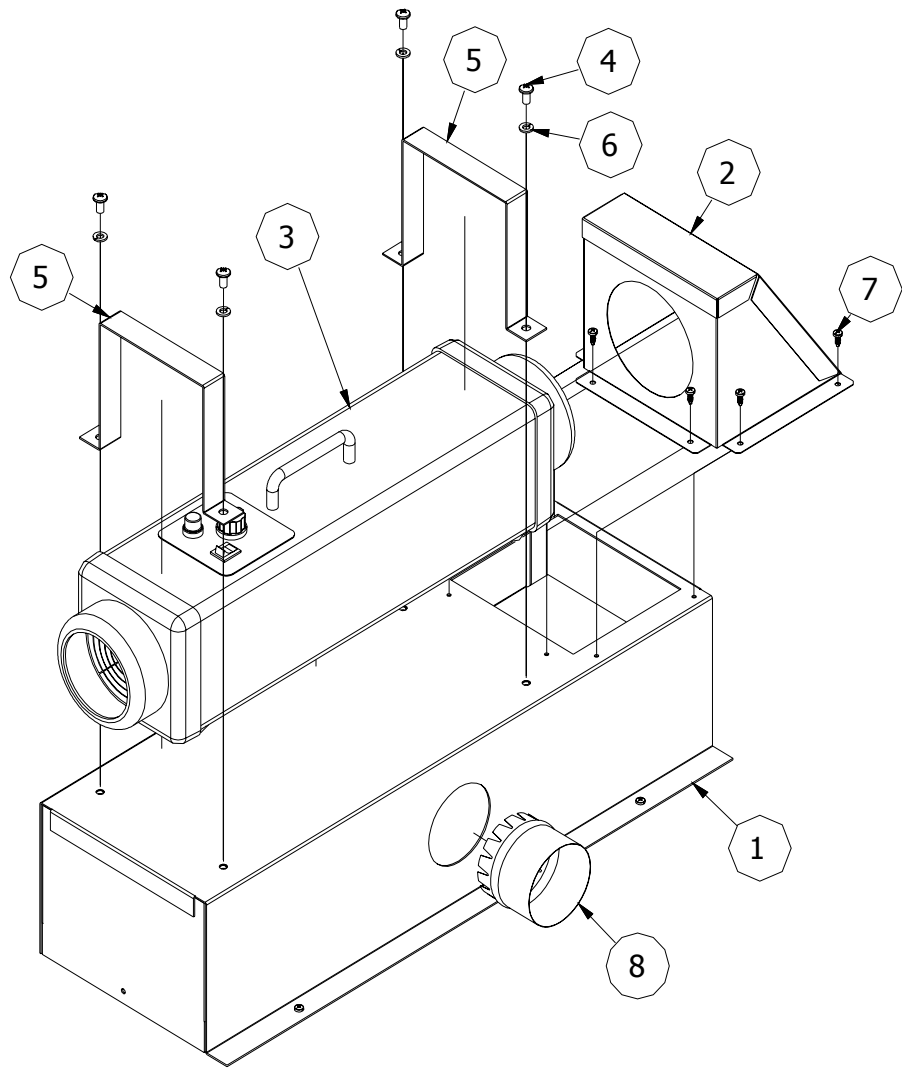
Ref. No.	Part No.	Description
1	DA-11909-0	Motor, 1/2 h.p./50-60/3 (Rev.)
	MTR315	Motor, 1/2 h.p./50-60/1 (Double MTRN/R)
2	TU14690	Sheave, 2,1" dia. (60 Hz)
	TU15167	Sheave, 2,4" dia (50 Hz)
3	VSB130	Washer, cut 5/16"
4	TU2814	Washer, lock 5/16"
5	TU5439	Screw, cap HH 5/16-18

IDLER ASSEMBLY (Reversing and Non-reversing)



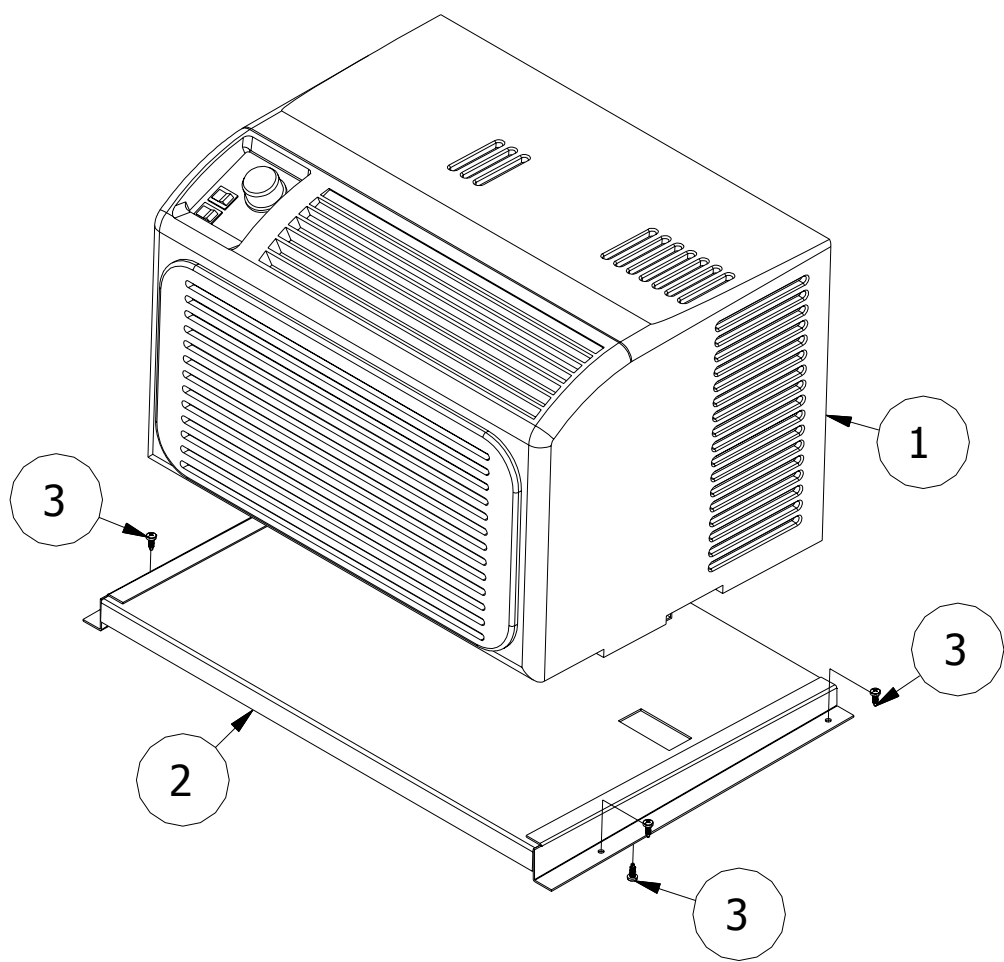
Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
Reversing			10	SB-00935-0	Screw 5/16-18x3"
1	DA-00497-0	Belt, upper (Basket)	11	TU2814	Lock Washer 5/16"
1	DA-11908-0	Belt, lower (Motor)	12	TU5439	Screw 5/16-18x1"
Non-reversing			13	TUD0187	Key 3/16" square 2 1/2"
1	DA-00497-0	Belt, upper (Basket)	14	VSB130	Washer 5/16"
1	DA-00525-0	Belt, lower (Motor)			
2	C249	Nut, Hex 5/16-18			
3	CA-12059-0	Idler adjustment plate			
4	DA-00517-0	Housing, idler bearing			
5	DA-00518-0	Bearing			
6	DA-11711-0	Idler shaft			
7	TU14691	V-belt pulley			
8	TU15156	Idler pulley 11"			
9	FB124	Screw 5/16-18x1"			

OZONE BONNET



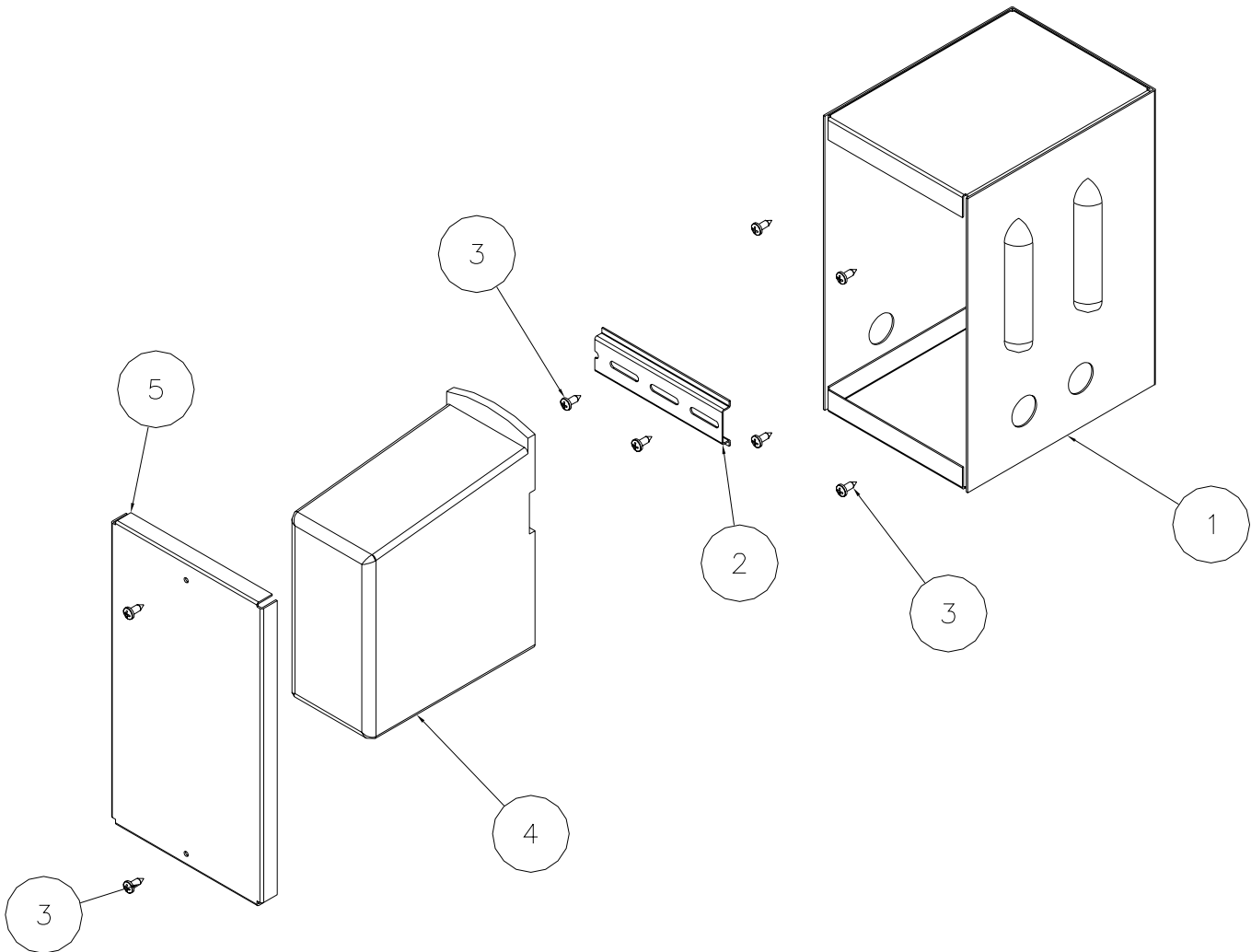
Ref. No.	Part No.	Description
	TU16202	O3 Bonnet Complete, 230/60/1
1	TU16038	Ozone Support W/a
2	TU16205	Blower Housing W/a
3	TU16201	O3 Generator W/ terminals
4	P219	Screw, Truss Hd., 1/4-20
5	TU16037	Clamping Strip
6	TU2846	Washer, Lock, 1/4"
7	TU7733	Screw, Self-drilling, #8
8	TU16177	Collar, Female, 3"

AIR CONDITIONER ASSEMBLY



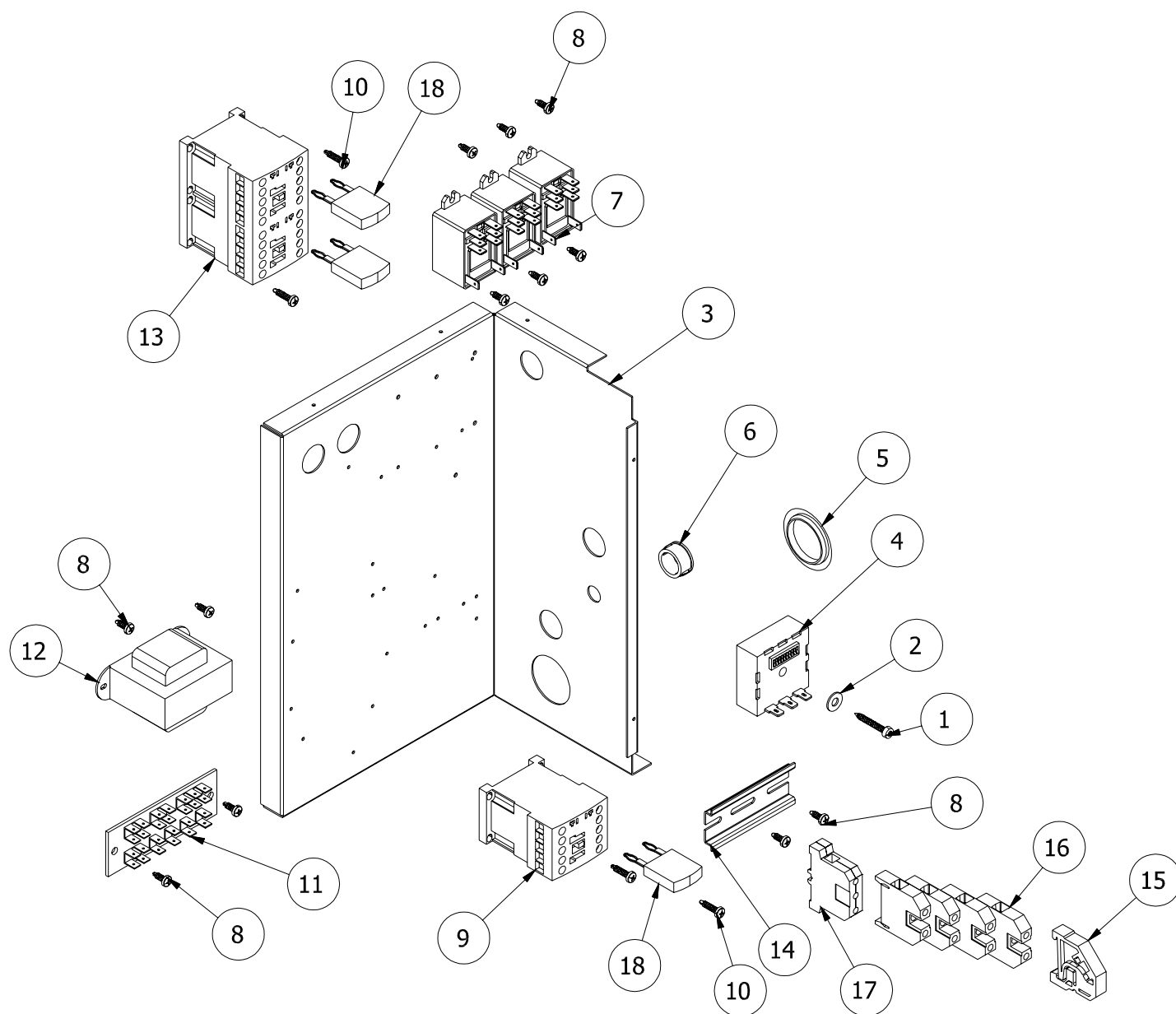
Ref. No.	Part No.	Description
TU16193	Air Conditioner Ass'y, Complete, 115V	
1	TU16200	Air Conditioner W/Terminals
2	TU16194	AC shelf W/a
3	TU7733	Screw, Self-drilling, #8

INVERTOR



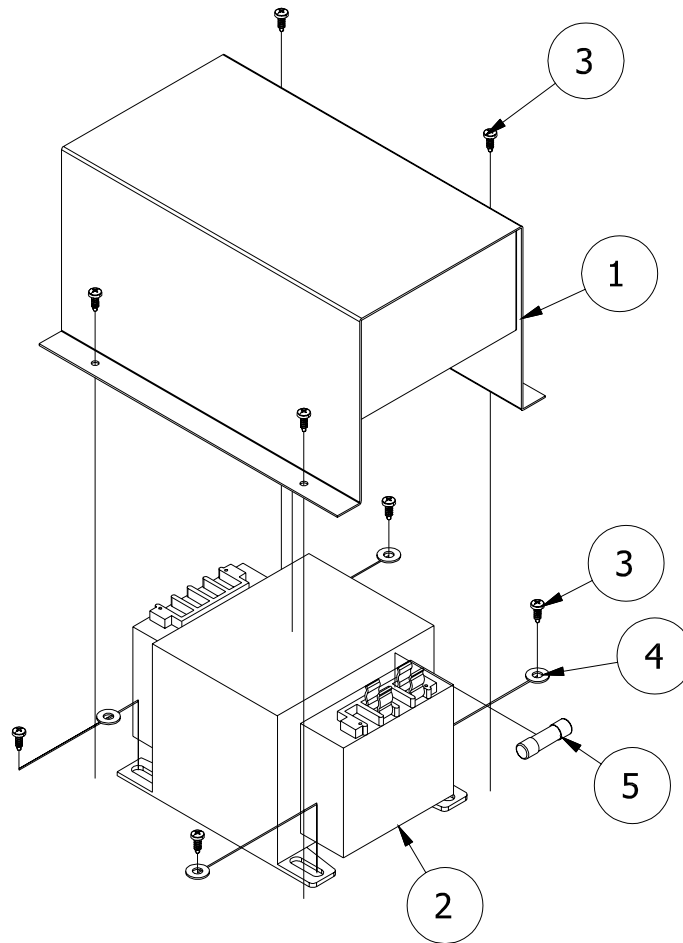
Ref. No.	Part No.	Description
1	TU15550	Invertor Box, W/A
2	TU14986	Din Rail, 4.5" Lg.
3	TU7733	Screw, Self-drilling, #8
4	TU15569	Invertor
5	TU15582	Cover, Invertor Box
-	CFA1100	Greenfield Cable, 3/8" x 11" Lg.
-	F875	Connector, Straight, 3/8"
-	F876	Connector, Angle, 3/8"

REAR CONTROL PANEL ASSEMBLY



Ref. Part No. No.	Description	Ref. Part No. No.	Description		
1	TU3416	Screw, #8 Pan Hd.	10	TU2793	Screw, Self-drilling, #8
2	TU4820	Washer, Flat, 3/16"	11	TU15265	Board, Terminal, 8-Position
3	CA-11935-0	Rear Control Box Plate	12	TU13802	Transformer
4	TU16219	Time Delay	13	EA-00685-0	Reversing Contactor
5	EA-00680-0	Knock out plug, 1-1/2"	14	TU14985	Din Rail, 3-1/4" Lg.
6	TU2372	Bushing Snap, 7/8"	15	TU14959	Surge Suppressor
7	F1300	Relay			
8	TU7733	Screw, Self-drilling, #8			
9	TU13516	Contactor			

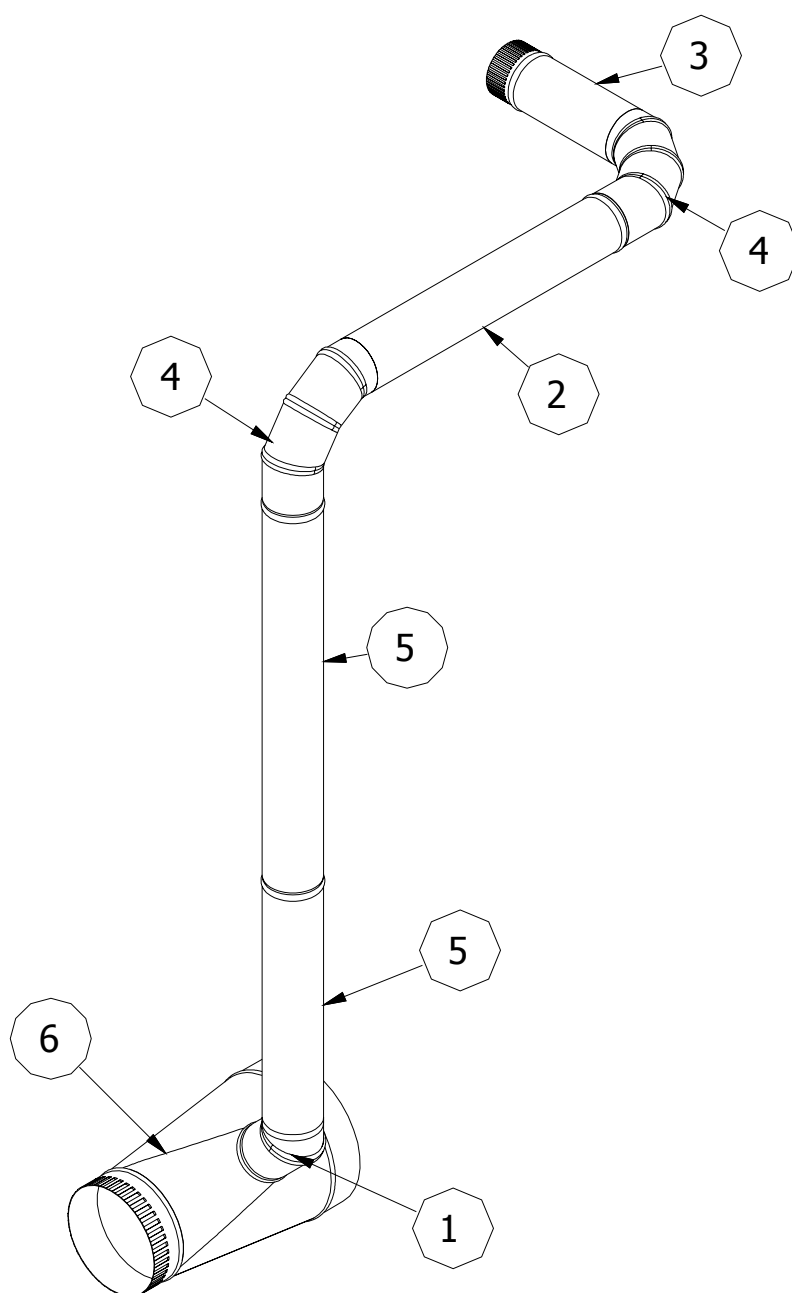
TRANSFORMER



Ref. No.	Part No.	Description
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1	TU16183	Transformer Cover, W/A
2	TU16213	Transformer, 750va
3	TU7733	Screw, Self-drilling, #8
4	TU4820	Washer, Flat, 3/16"
5	TU16179	Fuse, Transformer

TROUBLE SHOOTING



Ref. No.	Part No.	Description
1	TU16178	Elbow, 45 Deg.
2	TU16186	Duct, Straight
3	TU16187	Duct, Straight
4	TU16188	Elbow, 90 Deg.
5	TU16204	Duct, Straight
6	TU16209	Tee

TROUBLE SHOOTING

TROUBLE	CAUSE	REMEDY
Tumbler 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.
	E-stop engaged (pushed in).	Disengage E-stop (pull out).
	Loading door OPEN.	Close loading door.
	Defective loading door switch.	Replace switch.
	Lint door OPEN.	Close lint door.
	Defective lint door switch.	Replace switch.
	Defective DMP control board.	Replace DMP control board.
	Defective DMP overlay.	Replace overlay.
Motor tripping on thermal.	Low voltage.	Check voltage at motor terminals. Voltage must be within $\pm 10\%$ of voltage shown on Motor Rating Plate. If not, check 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 for recommended make-up air openings.
	Poor housekeeping.	Clean lint accumulation on and around motors.
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.

TROUBLE SHOOTING

TROUBLE	CAUSE	REMEDY
Basket motor will not start.	Defective reversing contactor.	Replace contactor.
	Defective DMP control board.	Replace DMP control board.
	Loose wiring.	Check wiring.
	Bad motor.	Replace motor.
Fan motor will not start.	Inverter in fault mode.	Reset inverter (Turn power off to tumbler). Engage (push in) E-stop. Turn power back on to tumbler. Wait five seconds and desengage (pull out) E-stop.
	Defective fan contactor.	Replace contactor.
	Defective DMP control board.	Replace DMP control board.
	Loose wiring.	Check wiring.
	Defective inverter.	Replace inverter.
	Bad fan motor.	Replace fan motor.
Fan motor runs at hi-speed during "Ozone Cycle".	Defective slow speed relay (R3).	Replace relay (R3).
Tumbler does not "Purge" automatically.	Defective purge relay (R2).	Replace relay (R2).
	Defective purge timer.	Replace purge timer.
Tumbler noisy or vibrating.	Not level.	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.

TROUBLE SHOOTING

TROUBLE	CAUSE	REMEDY
Tumbler runs, but no ozone and no A/C.	Air switch not operating properly. The DMP control will display a FSS error.	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 tumbler. Vacuum reading (in inches of water) should range between .15 and .3 inches. Vacuum reading can be made with a U-gauge by removing a sheet metal screw in the front panel of the tumbler and inserting the rubber tube of the vacuum gauge into screw opening.
	Air switch out of adjustment.	Adjust air switch.
	Air switch defective.	Replace air switch.
	Defective heat relay (R1).	Replace relay (R1).
	Defective DMP board.	Replace DMP control board.
A/C does not come on, but ozone generator is working.	Blown fuse on A/C transformer (208V and higher tumblers).	Replace fuse.
	A/C unit turned "OFF".	Turn A/C unit "ON".
	Bad transformer.	Replace transformer.
	Bad A/C unit.	Replace or repair A/C unit.
Ozone generator does not come on, but A/C unit is working.	Blown fuse on ozone generator.	Replace fuse.
	Ozone generator turned "OFF".	Turn ozone generator "ON".
	Bad ozone generator.	Replace ozone generator.
Ozone generator is on, but not producing ozone.	Dirty plates in ozone generator.	Clean plates. See "Instructions for removing and cleaning plates in ozone generator".
	Bad ozone generator.	Replace ozone generator.

AIR CONDITIONER OPERATION

FEATURES

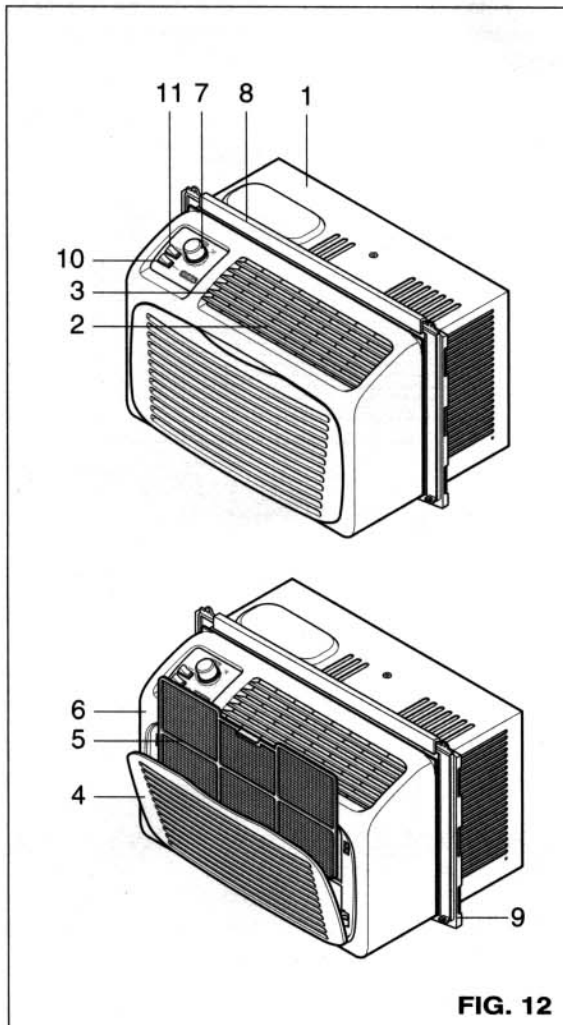


FIG. 12

NOTE : If the air conditioner is turned off, wait 3 minutes before restarting. This allows pressure inside the compressor to equalize. Failure to wait 3 minutes before restarting may cause inefficient operation.

If you move the Control Knob control to a warmer, then immediately back to a cooler setting, the unit will shut off. Wait 3 minutes before restarting.

1. Cabinet
2. Horizontal Air Direction Control Tab
3. Cool Air Discharge
4. Inlet Grille
5. Air Filter
6. Front Grille
7. Control Knob
8. Upper Guide
9. Curtain
10. Power Switch
11. Fan Speed Switch

AIR CONDITIONER OPERATION

AIR CONDITIONER FEATURES

The controls featured in this manual are representative of the many models available. Your model may look slightly different.



FIG. 13

AIR DIRECTION ADJUSTMENT

Using the Control Tabs, the air flow can be directed to the left, right, straight ahead, or any combination of these directions.

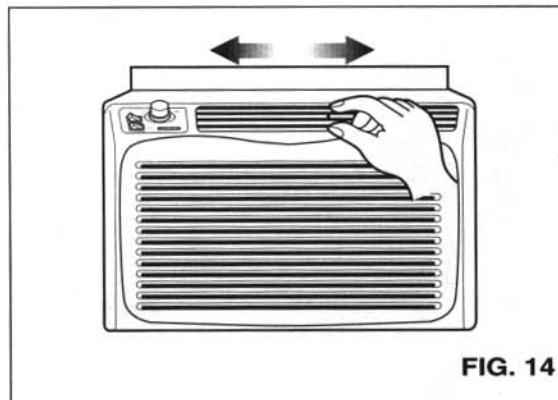


FIG. 14

Power

Turns air conditioner on and off.

NOTE: If the air conditioner is off and is then turned on while set in the **Cool On** mode, it will take approximately 3 minutes for the compressor to start and cooling to begin.

Fan Speed

Use to set the fan speed to **LOW** or **HI**.

Mode/Temp Control

Use to set the air conditioner to the **Fan Only** or the **Cool On** mode.

Fan Only Mode

Use **Fan Only** at **HI** or **LOW Fan Speed** to provide air circulation and filtering without cooling.

Cool On Mode

The mode/Temp control is used to maintain the room temperature. When set in the **Cool On** mode, the compressor will cycle on and off to keep the room at the desired level of comfort.

Use **Cool On** with **HI** or **LOW Fan Speed** for cooling. Turn the knob toward the cooler area for the indoor air to become cooler. Turn the knob toward the **Cool On** area for the indoor air to become warmer.

Cooling Descriptions

For Normal Cooling - Select the Cool On mode with the Mode/Temp knob set at the midpoint(5).

For Maximum Cooling - Select the Cool On Mode with the Mode/Temp knob set toward the cooler area(9).

For Quieter & Nighttime Cooling - Select the Cool On mode with the Mode/Temp knob set toward the Cool On. area(1).

NOTE: If you move the mode/Temp control knob from the Cool On setting to the Fan Only setting, wait least 3 minutes before switching back to a Cool On setting.



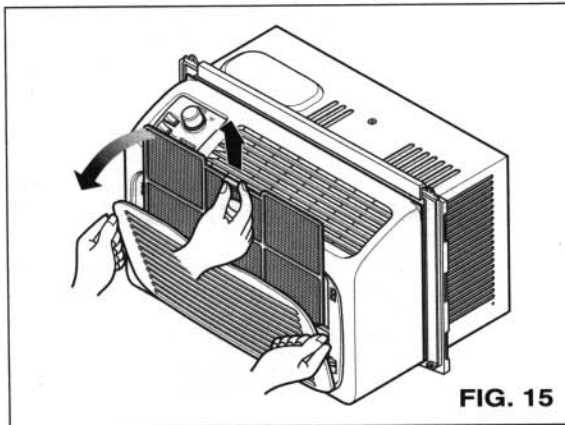
IMPORTANT: ALL SETTINGS ARE PRESET AT FACTORY.

AIR CONDITIONER MAINTENANCE

AIR FILTER CLEANING

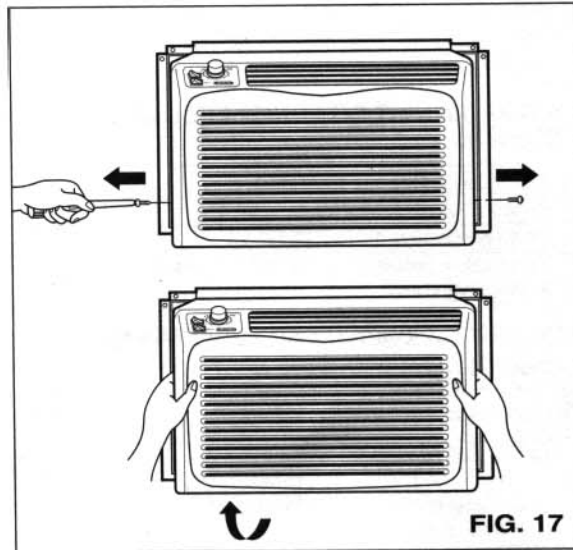
The Air Filter will become dirty as it removes dust from the inside air. It should be washed at least every 2 weeks. If the Air Filter remains full of dust, the air flow will decrease and the cooling capacity will be reduced, possibly damaging the unit.

- Open the inlet grille forward and pull out the air filter.
- Wash the Air Filter under the faucet with warm water. Be sure to shake off all the water before replacing the filter.



HOW TO REMOVE THE FRONT GRILLE

- Remove two screws securing the Front Grille.
- Pull the grille up from the bottom and pull the top of the grille away from the case to lift the top tabs out of their slots.

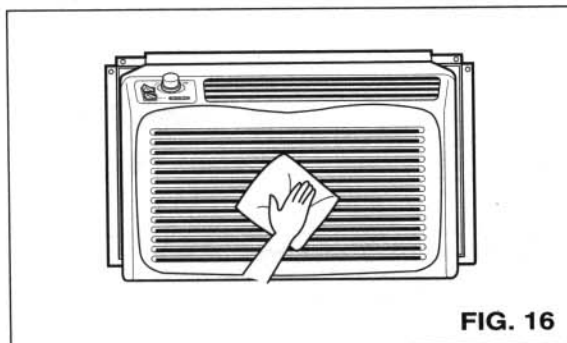


AIR CONDITIONER CLEANING

Clean the front grille and inlet grille by wiping with a cloth dampened in a mild detergent solution (FIG. 16).

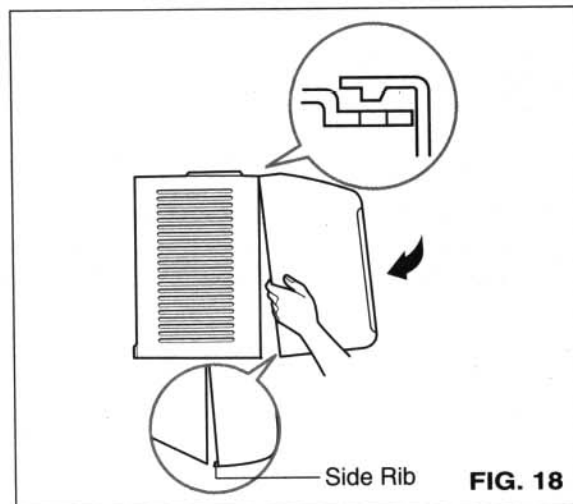
The cabinet may be washed with mild soap or detergent and lukewarm water, then polished with liquid appliance wax.

To ensure continued peak efficiency, the condenser coils (outdoor side of the unit) should be checked periodically and cleaned if they become clogged with soot or dirt from the atmosphere. Brush or vacuum exterior coils to remove debris from fins.



HOW TO REPLACE THE FRONT GRILLE

Attach the front grille to the cabinet by inserting the tabs on the grille into the slots on the front of the cabinet. Push the grille in until side ribs insert into case.



AIR CONDITIONER TROUBLE SHOOTING

BEFORE CALLING FOR SERVICE

Check the following list to be sure a service call is really necessary. A quick reference to this manual may help you avoid an unneeded service call.

THE AIR CONDITIONER WILL NOT OPERATE

Check if...

Then...

Transformer fuse blown.	Replace fuse with time delay type.
Power Switch is OFF position.	Turn POWER Switch the ON Position.
Unit was turned off and then on too quickly.	Turn unit off and wait 3 minutes before restarting.
TEMP Control set warmer than room temperature.	Turn Mode/Temp Control Knob clockwise to a cooler setting (higher number).

AIR FROM UNIT DOES NOT FEEL COLD ENOUGH.

Check if...

Then...

Fan Speed Switch in LOW position.	Turn Fan Speed Switch to HI position
Control Knob set too warm.	Turn Mode/Temp Control Knob clockwise to a cooler setting.
Room temperature below 70°F (21°C).	Cooling may not occur until room temperature rises above 70°F (21°C).
Temperature sensing tube touching evaporator coil, located behind front grille.	Remove front grille, and straighten tube away from evaporator coil.

THE AIR CONDITIONER COOLING, BUT OUTPUT IS TOO WARM – ICE FORMING ON COOLING COIL BEHIND INLET GRILLE.

Check if...

Then...

Outdoor temperature below 70°F (21°C).	To defrost the coil, set Mode/Temp Control Knob to Fan Only position.
Air filter may be dirty.	Clean filter. Refer to Maintenance section of owner's manual. To defrost, set Mode/Temp control to Fan Only position.
Mode/Temp control Knob set too cold for night-time cooling.	To defrost the coil, set Mode/Temp control to Fan Only position.

THE AIR CONDITIONER COOLING, BUT OUTPUT IS TOO WARM

Check if...

Then...

Dirty air filter – air restricted.	Clean air filter. Refer to Maintenance section of owner's manual.
Mode/Temp control Knob set too warm.	Control Knob clockwise to a COOLER setting.
Unit recently turned on in hot room.	Allow additional time to remove stored heat from walls, ETC

THE AIR CONDITIONER TURNS ON AND OFF RAPIDLY.

Check if...

Then...

Outside temperature is extremely hot.	Set Fan Speed Switch on HIGH speed to bring air past cooling coils faster.
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NOISE WHEN UNIT IS COOLING.

Check if...

Then...

Sound of fan hitting water – from the moisture removal system.	This is normal when humidity is high. Close doors, windows, and registers.
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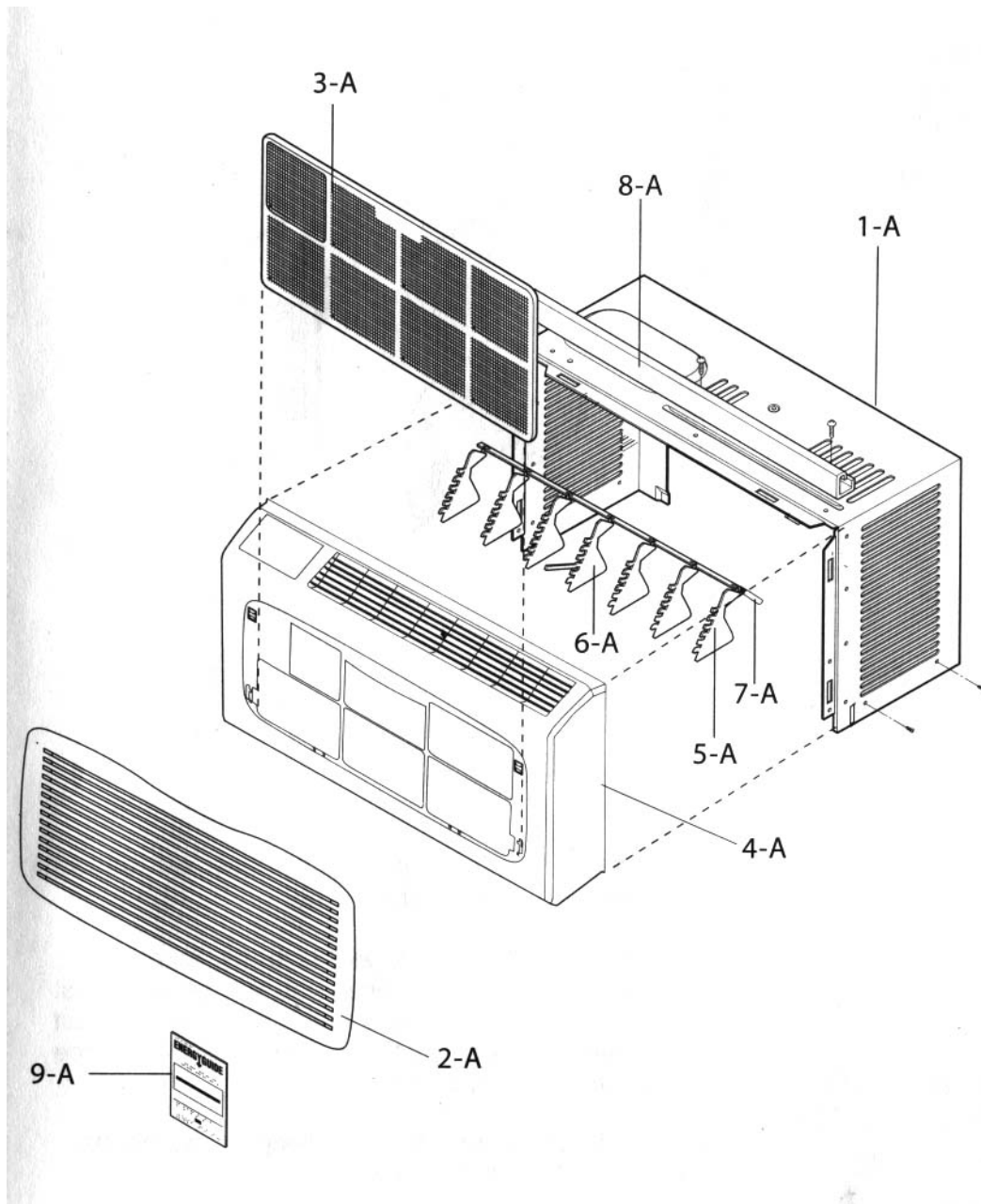
WATER DRIPPING OUTSIDE WHEN UNIT IS COOLING.

Check if...

Then...

The unit is removing large quantities of moisture from humid room.	This is normal during excessively humid days.
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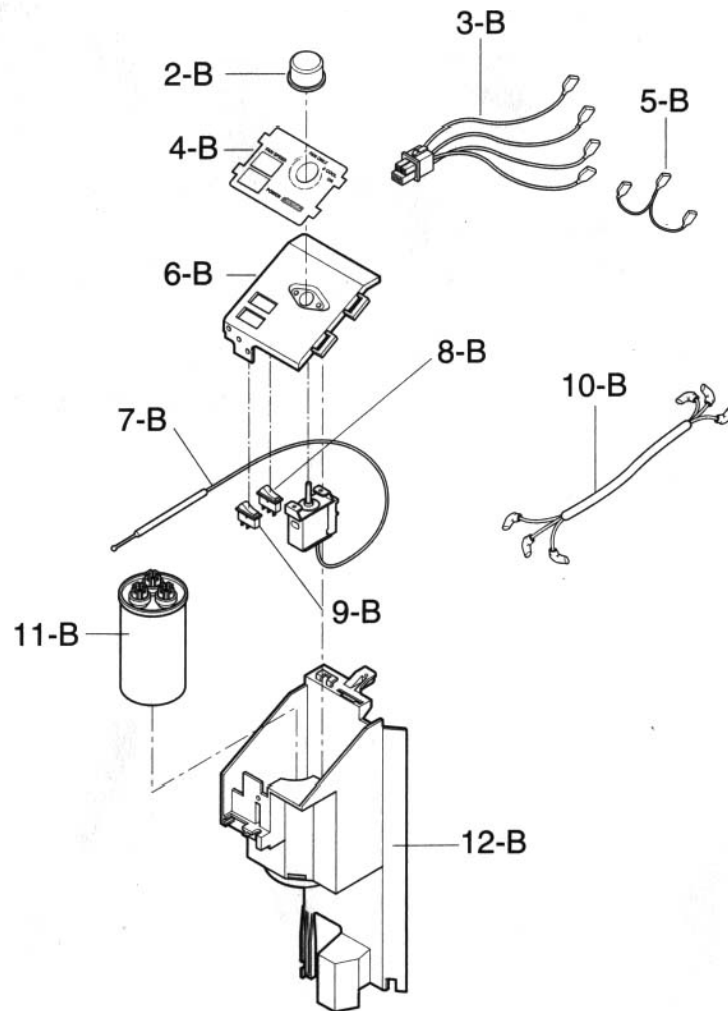
AIR CONDITIONER PARTS - CABINET & FRONT GRILLE ASSEMBLY



AIR CONDITIONER PARTS - CABINET & FRONT GRILLE ASSEMBLY

ILLUSTRATION NUMBER	PART NUMBER	DESCRIPTION
1 - A	3091A10055A	CABINET ASSEMBLY
2 - A	3530A10192A	GRILLE, INLET
3 - A	5231A20021A	AIR FILTER ASSEMBLY
4 - A	3530A10191A	GRILLE, FRONT
5 - A	4758A30041A	VANE
6 - A	4758A30041B	VANE
7 - A	4520A30065A	LINK HOLDER
8 - A	4974A30066B	UPPER GUIDE
9 - A	3850A24013A	ENERGY GUIDE LABEL
*	3828A21004B	OWNER'S MANUAL

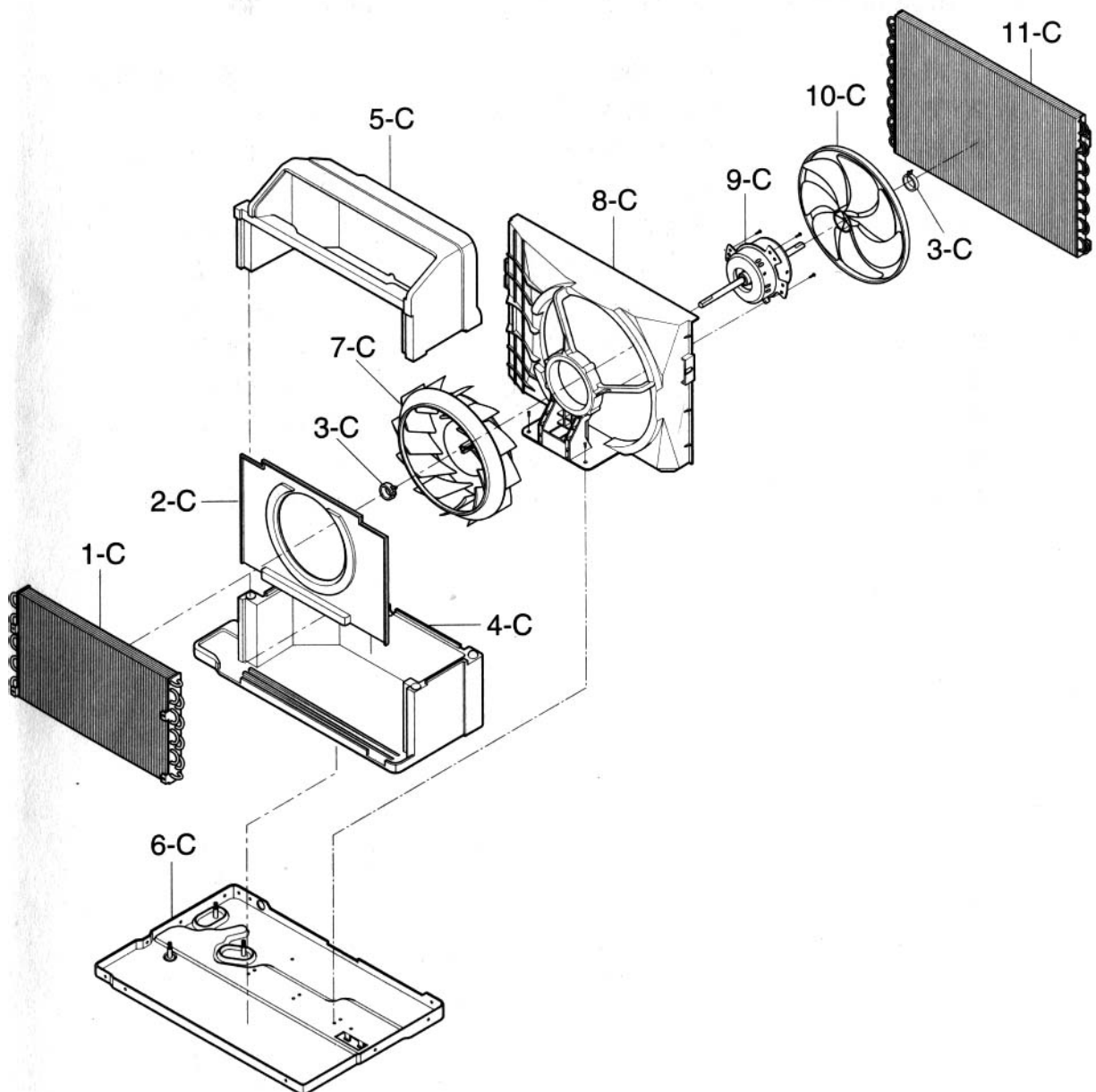
AIR CONDITIONER PARTS - CONTROL BOX ASSEMBLY



AIR CONDITIONER PARTS - CONTROL BOX ASSEMBLY

ILLUSTRATION NUMBER	PART NUMBER	DESCRIPTION
1 - B #	6411A20011Z	POWER CORD ASSEMBLY
2 - B	4941A20003A	KNOB ASSEMBLY
3 - B	6631AR3388M	CONDUCTOR ASSEMBLY
4 - B	3831A20085G	ESCUTCHEON
5 - B	4933AR2161V	CONDUCTOR ASSEMBLY
6 - B	3720A30090A	PANEL, CONTROL
7 - B #	2H01109X	THERMOSTAT ASSEMBLY
8 - B #	2H01316D	SWITCH, ROCKER
9 - B #	2H01316E	SWITCH, ROCKER
10 - B	6631AR3843R	CONDUCTOR ASSEMBLY
11 - B #	0CZZA20005B	CAPACITOR
12 - B	4994A10062A	CONTROL BOX, SINGLE

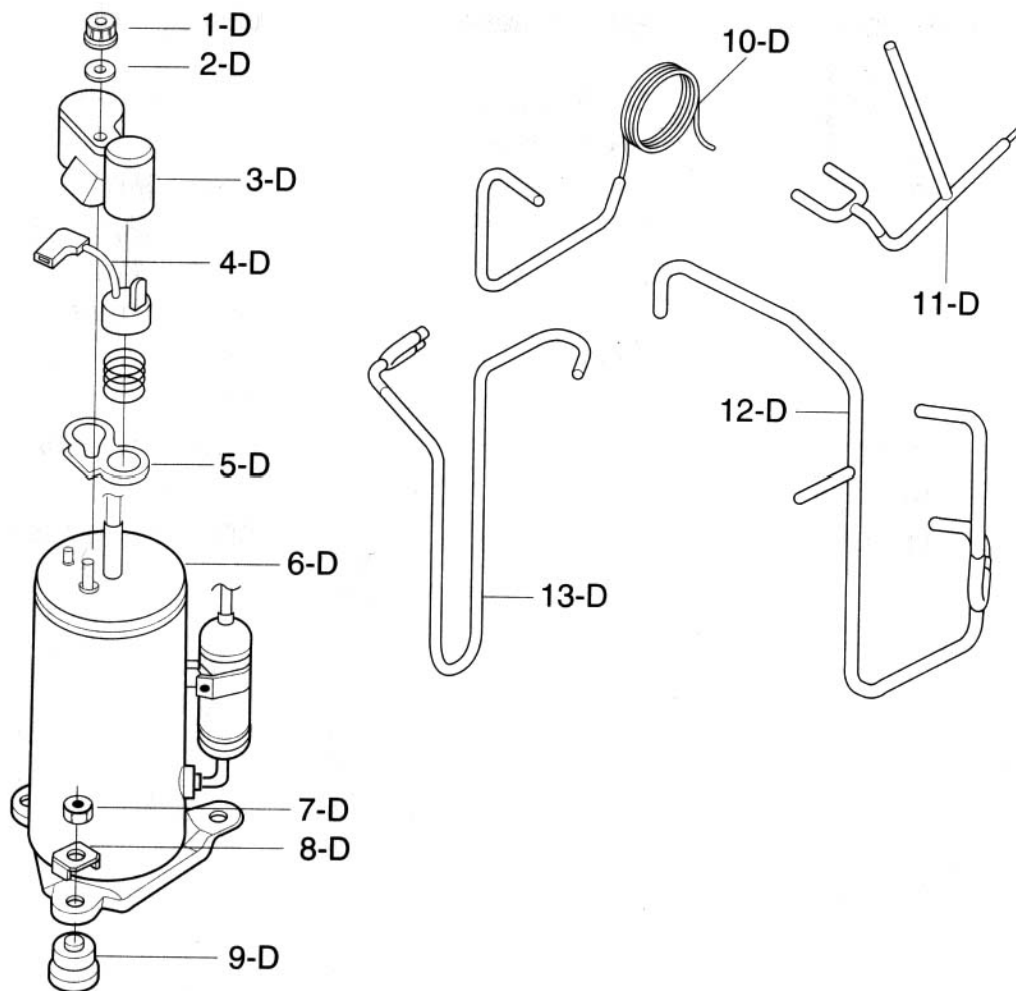
AIR CONDITIONER PARTS - AIR HANDLING & CYCLE PARTS



AIR CONDITIONER PARTS - AIR HANDLING & CYCLE PARTS

ILLUSTRATION NUMBER	PART NUMBER	DESCRIPTION
1 - C #	5421A20176C	EVAPORATOR ASSEMBLY
2 - C	4948A20031B	ORIFICE
3 - C	3H02932B	CLAMP, SPRING
4 - C	5238A10026A	AIR GUIDE, LOWER
5 - C	5238A10025A	AIR GUIDE, UPPER
6 - C	3041A10040A	BASE ASSEMBLY, SINGLE
7 - C #	5900A20040A	FAN, TURBO
8 - C	4998A10028A	SHROUD
9 - C #	4681A20116C	MOTOR ASSEMBLY, SINGLE
10 - C #	5900A20042A	FAN, AXIAL
11 - C #	5403A20174A	CONDENSER ASSEMBLY

AIR CONDITIONER PARTS - COMPRESSOR PARTS



AIR CONDITIONER PARTS - COMPRESSOR PARTS

ILLUSTRATION NUMBER	PART NUMBER	DESCRIPTION
1 - D	1NFZU-L001A	NUT, TERMINAL COVER
2 - D	1WPZU-L001A	WASHER, DRAWING
3 - D	3550U-L006A	COVER
4 - D #	6750U-L050A	OVER LOAD PROTECTOR
5 - D	4986U-L001G	GASKET
6 - D #	2520UCAA011	COMPRESSOR
7 - D	1NHA0801206	HEXAGON NUTS
8 - D	4810AR4155C	BRACKET, WASHER
9 - D	5040AR4195A	RUBBER, MOUNTING
10 - D	5211A25019A	TUBE ASSEMBLY, EVAPORATOR
11 - D	5211A21145A	TUBE ASSEMBLY, CONDENSER OUT
12 - D	5211A21228B	TUBE ASSEMBLY, SUCTION
13 - D	5211A21136A	TUBE ASSEMBLY DISCHARGE