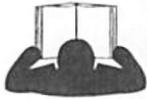


INSTRUCTIONS AND SAFETY MANUAL



HEPA DUST COLLECTORS

MADE IN USA



This manual contains important warnings and information. READ AND RETAIN FOR REFERENCE.

Model 180-DC and 310-DC Dust Collectors are designed for Skat Blast Cabinets (except Top-Load) to remove dust created in blasting.

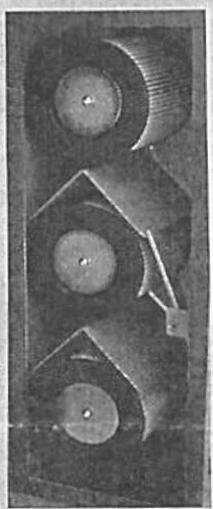
UNPACKING/ASSEMBLY

Model 310-DC is shipped fully assembled and requires hose installation only (see below). Model 180-DC is shipped in 2 cartons and requires motor assembly installation as follows: Top motor plate has an arrow sticker, pointing towards the REAR of the Dust Collector. Place top motor plate on top of DC housing, with vent arrow pointing to rear and securely fasten in place with eight (8) self-tapping screws included.

HOSE INSTALLATION

Place dust collector next to cabinet. Using adjustable metal hose clamp, attach dust collector hose between dust collector 5" inlet (located rear bottom of dust collector) and 5" dia outlet on rear of Skat Blast Cabinet.

180-DC Shown. Patent Pending



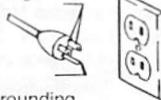
Patented Non-Stick HEPA Filtration traps ultrafine dust particles down to 0.3 microns.

ELECTRICAL HOOKUP

Voltage is 115 volts, 60 cycles. Plug directly into any grounded 115 volt outlet or into convenient switch/plug assembly on the top of most Skat Blast Cabinets. DO NOT USE EXTENSION CORD. Use of an extension cord may cause excess motor amperage and will void warranty. Motor also has 208-230 volt capability and may be permanently wired into a 208-230 volt circuit. Call factory for any questions concerning your electrical hookup. Any electrical repairs, if necessary, should be performed by a qualified electrician only; or unit may be returned to the factory for repair, reconditioning or service.

115 VOLTS-60 HZ
6-10 AMPS

Current Carrying Prongs



Grounding blade is longest of 3 blades

DUST COLLECTOR OUTLET VENTING

Dust Collector HEPA filters trap dust down to 0.3 microns and keep 99.97% dust inside the dust collector. Since a very small percentage of dust passes through the filters, we recommend to vent the rear dust collector to the outside using standard 4" stove pipe and optional Thru-the-Wall Exhaust Kit. Also available is a Final Filter Outlet Kit instead of venting outside (see right).

OPERATION / MAINTENANCE

Before powering on dust collector, open front door of unit and check filter mounting screws in case they loosened in shipping. Tighten if necessary. When dust collector is powered on, the dust created in blasting will be drawn into the dust collector and collected. Filtered air is then blown out of the top rear outlet of the dust collector where it can be vented outside or into optional final filter bag kit. Eventually, the dust collector HEPA filter cartridges will be coated with dust and small abrasive particles. Most dust simply falls off the NON-STICK filter during operation, but periodically the HEPA filters will need cleaned when you notice a decrease in suction.

CLEAN-OUT INSTRUCTIONS

To clean, shut dust collector off and shake down filters with shaker lever on rear of unit. Twist the shaker handle back and forth about 5-10 times. Dust particles will drop into bottom clean-out. Allow dust to settle for 1-2 minutes, then remove bottom clean-out drawer and discard used material. A dust respirator and goggles are worn for operator safety. Replace drawer and latch in place. Turn on dust collector and resume operation.

HEPA filters and gaskets should be replaced in complete sets. Periodically inspect filters for holes or tears in the filter membrane. HEPA filters can be washed and shelf dried if in good shape.

WARNING Always disconnect power when servicing or replacing filters.

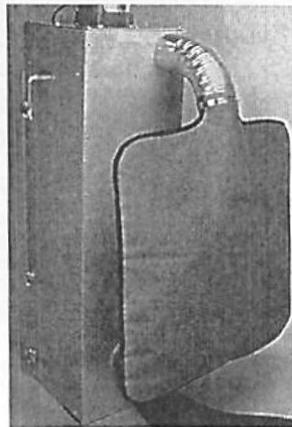
180-DC & 310-DC ACCESSORIES

Final Filter Outlet Kit

MADE IN USA

Collects fine dust particles that normally would escape into the room. Also, you can determine if inner dust collector filter cartridges are leaking by checking inside of this bag. Includes 4" elbow, clamp, final filter bag, and mounting screws.

6020-10 DC Final Filter Kit
6020-10B Extra Bag



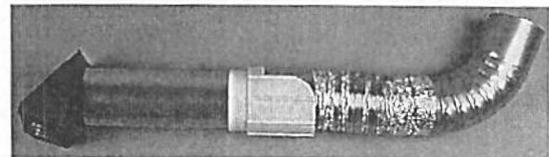
Thru-the-Wall Exhaust Kit

MADE IN USA

6017-08

For a cleaner shop and quieter atmosphere,

you can route this exhaust air to the outside. (Requires cutting 4 1/4" hole in your wall). Complete kit includes 4" dia, 8 ft aluminum exhaust hose, special fitting at dust collector end to avoid crimping of hose, 2 aviation clamps, elbow, and thru-the-wall fitting. Fitting has screen to keep out birds and household pests.



Nationwide Distributor of Skat Blast Cabinets and Parts
For Technical Help or Replacement Parts ...

Tip Plus Corp., dba TP Tools & Equipment - 7075 State Rt 446, Canfield, OH 44406
Toll Free: 1-800-321-9260 • 330-533-3384 • Fax: 330-533-2876 • www.tptools.com

⚠ WARNING



ELECTRICAL SHOCK HAZARD - To prevent serious injury or death:

- Do not use as a wet vacuum system. ● Do not use an extension cord.
- Do not modify dust collector or plug at end of power cord.
- Receptacle in shop must be grounded.
- Do not service electrical components of dust collector.
- Do not disassemble or attempt repairs - return to factory.



RESPIRATOR REQUIRED

- A NIOSH/OSHA-approved dust respirator **MUST** be worn during servicing or operation of the cabinet and when loading or unloading. **DO NOT USE SILICA SAND for blasting**, even within a closed cabinet-Health Hazard.



EYE PROTECTION REQUIRED

- When abrasive blasting, or servicing, the use of approved safety goggles is **MANDATORY** to protect user from dust around the area or in case of lens breakage.



SLIP/FALLING HAZARD - To prevent serious injury:

- Clean up abrasive spills as soon as they happen. Glass Beads and other abrasives are as slippery as ice. Use caution.

REPLACEMENT PARTS - 180-DC AND 310-DC

PART NO.	DESCRIPTION
6011-HEPA	HEPA FILTER CARTRIDGE for 180-DC & 310-DC. Washable, air-dry type. 8" high x 7-1/4" dia.
6014-13	HEPA FILTER GASKET, each.
6022-02	DC HOSE, rubberized, 6 ft long, 5" ID, black, all units.
6022-03	6" ADJ. HOSE CLAMP holds DC hose in place, 2 pk.
6023-03	BLOWER WHEEL, 10-1/2" for 310-DC, 3/4 HP.
6025-01	BLOWER WHEEL, 8-3/4" for 180-DC, 1/3 HP.
6023-07	1/3 HP MOTOR, 3450 RPM for 180-DC.
6024-00	3/4 HP MOTOR, 3450 RPM for 310-DC.
6017-01	5" CABINET HOSE ADAPTER PLATE for 6022-02 Hose.
6102-01	DOOR LATCH ASSEMBLY.
6204-00	CAULKING, special non-crumbling type.
6217-00	DOOR GASKET, 3/8" thick x 1" wide x 10' long.
6257-02	POWER CORD, 8 ft, 14 gauge 3 conductor, UL approved
6101-00	FRONT LENS, Model 310-DC, tempered glass, 12" x 24".

CALL 1-800-321-9260 FOR TECHNICAL SUPPORT OR SERVICE

⚠ CAUTION

This dust collector should only be used for collecting dry dirt and debris. Do not use for collecting toxic, carcinogenic, combustible, or other hazardous materials such as asbestos, arsenic, barium, beryllium, lead, pesticides, or other health-endangering materials. Dust collector should always be "ON" at any time you are blasting. Because Skat Blast, Inc. has no control over dust collector maintenance, the dust collector HEPA filter cartridges are guaranteed only for 90 days against defects in manufacturing.

⚠ DANGER

ROTATING BLADE HAZARD To prevent serious injury or death:



- Do not operate dust collector without guards in place.
- Keep hands, feet, hair, and clothing away from moving parts. ● Always disconnect from power source before servicing.

PROBLEM	CAUSE	TROUBLESHOOTING	CORRECTIVE ACTION
Dust passing through HEPA filter cartridge and out exhaust	A. Hole in HEPA filter cartridge B. Loose filter mounting screw C. Worn out abrasive or extremely fine abrasive D. Filter gasket	A. While dust collector HEPA filter cartridges are quite durable, some abrasive will eventually cut through the surface. If a hole is worn through the HEPA filter cartridge, dust will escape. Replace filter cartridges. (We suggest replacing filters in complete sets. When one filter is worn, chances are all filter(s) are worn.) B. Open inspection front door. Tighten filter mounting screws. Resume operation. C. As abrasive is continually recycled, it eventually turns to dust. These fine particles may be able to pass through the pores of the HEPA filter cartridge. Discard worn out abrasive and replace with new abrasive on a regular basis. In addition, extremely fine abrasives can cause this problem. We recommend abrasives up to 120 grit size for most successful operation. (The higher the grit size, the finer the abrasive. Example: 320 grit Aluminum Oxide is similar to talcum powder, extremely fine.) D. Filter gasket needs replaced. Replace in complete sets.	
Dust escaping around top	A. Faulty top gasket	A. Replace top gasket and tighten hold-down screws securely. Be sure to clean off old gasket and prepare surface areas properly, prior to installing a new gasket.	
Poor suction	A. Clogged dust collector HEPA filter cartridges	A. See Instructions (opposite side) for correct operation and for cleaning procedure. Replace HEPA filter cartridges when necessary (we suggest changing in sets).	
No power	A. Blower motor off B. Electrical problems	A. Check in order: Switch is in On position. Power cord is plugged into duplex receptacle. B. Check for defective power cord, blown fuses or tripped breakers in your electrical panel. Blower motor is thermally protected and, if overheated, will shut off.	
Screeching sound in motor area	A. Loose fan blade B. Fan blade hitting inside housing C. Defective motor or motor bearings	A. Unplug power cord, remove fan assembly by removing top plate and screws. Lift fan assembly off. (Careful not to damage fan blade or shaft.) Check set screws which hold fan blade to motor shaft. Tighten set screws securely and replace fan assembly. Change top gasket if necessary. B. Same as above. Recheck to be sure fan blade has ample clearance above and below blade, so it will not hit housing. Tighten set screws and replace assembly. Change top gasket if necessary. C. Blower motor is sealed and does not require lubrication. As this is a high speed motor (3450 RPM), the bearings will eventually wear and become noisy. Motor bearings may be replaced by a qualified motor repair shop, or may be sent to our factory for rebuilding or replacement.	
Fuses or breaker blowing	A. Improper size fuses/breaker B. Clogged HEPA filter cartridges	A. Check fuses or breakers and replace with proper size. If other electrical appliances are on the same circuit, it may be necessary to run a separate circuit for the dust collector and cabinet. B. See 3rd section above and read Operating Instructions (opposite side) for cleaning procedure. ALWAYS SHUT OFF AND DISCONNECT POWER WHEN SERVICING UNIT.	

LIMITED WARRANTY. As we have no control of customer maintenance procedures, DC-Dust Collector motor is warranted to be free from defects in materials and workmanship for a period of 1 year from the date of purchase; Dust Collector HEPA filter cartridges are warranted for 90 days against manufacturer defects. This warranty applies only to the original purchaser as registered, provided unit or parts are delivered to us prepaid. Parts and complete units will be returned to the customer after repairs, plus shipping (if applicable). Advance notice is required on all returns. **We recommend you use genuine Skat Blast replacement parts. Improper or incorrectly performed maintenance or repair voids this warranty.** No warranty on units used for rental.

LIABILITY: We will not be responsible for any loss or damage to person or property, or lost profits or other similar loss or damage which may result or be claimed to have resulted from a defect in workmanship or material of any product. (Some states not applicable). We neither assume nor authorize any representative or other person to assume for us any obligation or liability other than expressly set forth herein.



SKAT BLAST, Inc.
PO Box 708,
Canfield, OH 44406

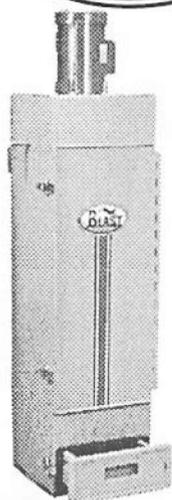
Record
for Future
Reference

Model No _____ Serial No _____
Date Purchased _____



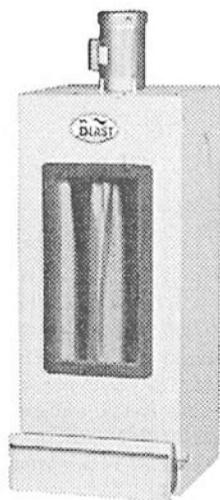
INSTRUCTIONS & PARTS LIST

MODELS 176-DC, 201-DC & 301-DC INSTALLATION

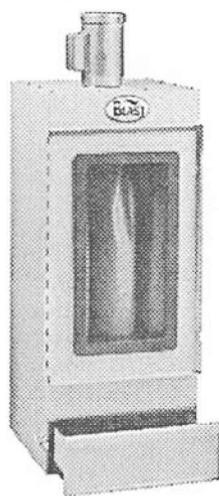


Model 176-DC

MADE IN USA



Model 201-DC



Model 301-DC
Patent D326543

Models 176-DC, 201-DC and 301-DC Dust Collectors are designed for Skat Blast Cabinets (except Mini Cab and Bench Top) to remove dust created in blasting. Dust is pulled through the dust collector bags and filtered air exhausts out the 4" diameter rear opening. Dust Collector Bags will allow particles under 5 microns to pass through filter. For this reason, **VENT REAR OPENING TO OUTSIDE**. Vent pipe fits standard 4" stovepipe.

Unpack unit carefully. Report damage (if any) to the delivering carrier. Locate Dust Collector in a convenient location. Using adjustable metal clamps, attach dust collector hose between dust collector's 5" inlet (located rear bottom of Dust Collector) and 5" diameter outlet on rear or side of Skat Blast Cabinet.

Other than installation of dust collector hose, 201-DC & 301-DC units are fully assembled and ready for operation. Model 176-DC units require motor assembly installation as follows: Top Plate has an arrow sticker, pointing towards the REAR of the Dust Collector. Front of Dust Collector has viewing window. Place top motor plate on top of housing, with vent arrow pointing to rear and securely fasten in place with eight (8) screws, which are in a small plastic bag located inside instruction packet.

Specifications	Model 176-DC	Model 201-DC	Model 301-DC
SIZE	16"w, 15"d, 56"ht.	24"w, 24"d, 58 1/2"ht.	24"w, 24"d, 58 1/2"ht.
SHIP WT.	110 Lbs.	250 Lbs. (Mtr. Freight)	275 Lbs. (Mtr. Freight)
VOLTS	115 Volts, 6 Amps	115 Volts, 7.4 Amps	115 Volts, 9.6 Amps
MOTOR	1/3 HP, 3450 RPM Continuous Duty Thermally Protected	1/2 HP, 3450 RPM Continuous Duty Thermally Protected	3/4 HP, 3450 RPM Continuous Duty Thermally Protected
BLOWER OPENING	8 1/4" Diam., 250-300 CFM 10" Wide, 28" High Hinged Front Door	10 1/2" Diam., 450-500 CFM 12" Wide, 24" High Front View w/window	10 1/2" Diam., 500-550 CFM 18" Wide, 30" High Front Door w/window
FILTER AREA	4 Bags, 27 1/2"L, 4 1/2"Diam.	9 Bags, 27 1/2"L, 4 1/2"Diam.	9 Bags, 27 1/2"L, 4 1/2"Diam.
DRAWER	10 1/2"w, 4"h, 12 1/2"deep	18"w, 5"h, 20"deep	18"w, 5"h, 20"deep
VAC HOSE	5" Diameter, 6ft. long	5" Diameter, 6ft. long	5" Diameter, 6ft. long
OUTLET, Rear SHAKER	4", fits 4" stove pipe Manual, spring loaded	4", fits 4" stove pipe Manual, spring loaded	4", fits 4" stove pipe Manual, spring loaded

<h2 style="margin: 0;">WARNING</h2>	<h2 style="margin: 0;">ELECTRICAL HOOKUP</h2>
<p>ELECTRICAL SHOCK HAZARD To prevent serious injury or death:</p> <ul style="list-style-type: none"> Do not use as a wet vacuum system. Do not use an extension cord. Do not modify dust collector or plug at end of power cord. Receptacle in shop must be grounded. <ul style="list-style-type: none"> Do not service electrical components of dust collector. Do not disassemble or attempt repairs -- return to factory. 	<p>Voltage is 115 volts, 60 cycles. Plug directly into any grounded 115 volt outlet or into convenient switch/plug assembly on the top of most Skat Blast Cabinets. Motor also has 208-230 volt capability and may be permanently wired into a 208-230 volt circuit. Call factory for any questions concerning your electrical hookup. Any electrical repairs, if necessary, should be performed by a qualified electrician only; or unit may be returned to the factory for repair, reconditioning or service.</p> <div style="text-align: right;"> <p>115 VOLTS-60 HZ 6-10 AMPS Current Carrying Prongs</p> <p>Grounding blade is longest of 3 blades</p> </div>

<h2 style="margin: 0;">CALL FACTORY FOR TECHNICAL SUPPORT OR SERVICE 330-533-9477, EXT. 22</h2>		<h2 style="margin: 0;">OPERATION / MAINTENANCE</h2>	
	<p>RESPIRATOR REQUIRED</p> <ul style="list-style-type: none"> For very occasional abrasive blasting, a NIOSH/MSHA-approved dust respirator must be worn, and only with abrasives not containing silica. For all other blasting, the use of an air-supplied hood is MANDATORY. Consult OSHA. 	<p>Dust created in blasting will be drawn into the inner surface of the dust collector bags. Filtered air is blown out of the top opening, where it can be vented outside. Eventually, the dust collector bags will become coated with dust and small abrasive particles, decreasing the amount of vacuum, and resulting in poor visibility within the cabinet. To clean: shut off dust collector motor. At the top right hand side of the dust collector is a shaker assembly, with a spring between the cabinet and the shaker handle. Push this handle in and out about 10 times. Dust particles will drop into bottom clean-out drawer for later removal. Allow dust to settle for about 1-2 minutes, then turn motor on and resume operation. When emptying bottom drawer, be sure that motor is off and that a dust respirator and goggles are worn for operator safety. Latch drawer in place after cleaning procedure.</p>	
	<p>EYE PROTECTION REQUIRED</p> <ul style="list-style-type: none"> When abrasive blasting, or servicing, the use of approved safety goggles is MANDATORY to protect user from dust around the area, or in case of lens breakage. 		
	<p>SLIP/FALLING HAZARD To prevent serious injury:</p> <ul style="list-style-type: none"> Clean up abrasive spills as soon as they happen. Glass Beads and other abrasives are as slippery as ice. Use caution. 		

REPLACEMENT PARTS - 176-DC, 201-DC & 301-DC



6102-01
Door Latch
Assembly



6022-02
Black Vacuum
Hose



6204-00
Non Crumbling
Caulking



6017-01
5" Cabinet
Mounting Bracket

6022-03
6" Adjustable
Clamp



PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
6020-27	DUST COLLECTOR BAG for Models 176-DC (4 required) 201-DC and 301-DC (9 required), 27-1/2" long.	6023-07	1/3 HP MOTOR, 3450 RPM for 176-DC.
6020-01	5" CLAMP to hold dust collector bag, all dust collectors.	6023-12	1/2HP MOTOR, 3450 RPM for 201-DC.
6021-01	NYLON TIES to attach DC Bag to top housing, all units, dozen qty.	6024-00	3/4 HP MOTOR, 3450 RPM for 301-DC.
6022-01	SIDE SHAKER SPRING, all dust collectors.	6017-01	5" CABINET MTG. BRACKET for 6022-02 hose.
6022-02	BLACK VAC HOSE, rubberized, 6ft. long, all units.	6102-01	DOOR LATCH ASSEMBLY, all dust collectors, 1987 up.
6022-03	6" ADJ. CLAMP to hold vac hose in place, all units, pkg. of 2	6204-00	CAULKING, special, non crumbling type.
6023-03	BLOWER WHEEL, 10-1/2" for 201-DC & 301-DC, 3/4 HP.	6211-03	TOUCH-UP PAINT, gray, pint can.
6025-01	BLOWER WHEEL, 8-3/4" for 176-DC, 1/3 HP.	6217-00	DOOR GASKET, all dust collectors, 1987 up, 3/8" thick x 1" wide x 10" long.
6020-21	FRONT LENS, Model 176-DC, smoked polycarbonate, 11-7/8" x 29-7/8".	6257-00	POWER CORD 8ft., 3 conductor, UL approved
		6101-00	FRONT LENS, Model 201-DC & 301-DC, tempered glass, 12" x 24".

CAUTION This Dust Collector should only be used for collecting dry dirt and debris. Do not use for collecting toxic, carcinogenic, combustible, or other hazardous materials such as asbestos, arsenic, barium, beryllium, lead, pesticides, or other health-endangering materials. Dust Collector should always be "ON" at any time you are blasting. Because Skat Blast, Inc. has no control over dust collector maintenance, the blower motor and bags are guaranteed only for 90 days against defects in manufacturing.

DANGER

ROTATING BLADE HAZARD
To prevent serious injury or death:

- Do not operate dust collector without guards in place.
- Keep hands, feet, hair and clothing away from moving parts.
- Always disconnect from power source before servicing.

PROBLEM	CAUSE	TROUBLESHOOTING	CORRECTIVE ACTION
Dust passing through filter & out exhaust	A. Hole in Dust Collector Bag B. Loose Clamp C. Worn out abrasive or extremely fine abrasive	A. While Dust Collector Bags are quite durable, some abrasive will eventually cut through the surface. If a hole is worn through the bag, dust will escape. Replace Bag(s). (We suggest replacing bags in complete sets. When one bag is worn, chances are all bags are worn.) B. Open inspection front door. Tighten all clamps. Resume operation. C. As abrasive is continually recycled, it eventually turns to dust. These fine particles may be able to pass through the pores of the dust collector bag. Discard worn out abrasive and replace with new abrasive on a regular basis. In addition, extremely fine abrasives can cause this problem. We recommend abrasives up to 120 grit size for most successful operation. (The higher the grit size, the finer the abrasive. Example: 320 Aluminum Oxide is similar to talcum powder, extremely fine.)	
Dust escaping around top	A. Faulty Top Gasket	A. Replace Top Gasket and tighten hold-down screws securely. Be sure to clean off old gasket and prepare surface areas properly, prior to installing a new gasket.	
Poor Suction	A. Clogged Vacuum Bags	A. See Instructions (opposite side) for correct operation and for cleaning procedure. Replace Bags when necessary (we suggest changing in sets).	
No Power	A. Blower Motor Off B. Electrical problems	A. Check in order: Switch is in On position. Power Cord is plugged into duplex receptacle. B. Check for defective power cord, blown fuses or tripped breakers in your electrical panel. Blower Motor is thermally protected and, if overheated, will shut off.	
Screeching sound in motor area	A. Loose Fan Blade B. Fan Blade hitting inside housing C. Defective Motor or motor bearings	A. Unplug power cord, remove fan assembly by removing top plate and screws. Lift fan assembly off. (Careful not to damage fan blade or shaft.) Check set screws which hold fan blade to motor shaft. Tighten set screws securely and replace fan assembly. Change top gasket if necessary. B. Same as above. Recheck to be sure fan blade has ample clearance above and below blade, so it will not hit housing. Tighten set screws and replace assembly. Change top gasket if necessary. C. Blower Motor is sealed and does not require lubrication. As this is a high speed motor (3450 RPM), the bearings will eventually wear and become noisy. Motor bearings may be replaced by a qualified motor repair shop, or may be sent to our factory for rebuilding or replacement.	
Fuses Blowing	A. Improper Size Fuses B. Clogged Dust Collector Bags	A. Check fuses or breakers and replace with proper size. If other electrical appliances are on the same circuit, it may be necessary to run a separate circuit for the Dust Collector and Cabinet. B. See Item 3 above and read Operating Instructions (opposite side) for cleaning procedure. ALWAYS SHUT OFF & DISCONNECT BLOWER MOTOR WHEN SERVICING UNIT.	