

Original Instructions

MAG-200 SERIES



Dust Collectors (Generation 3)



MAG-200



MAG-200-4K

THE SAFE WAY IS THE ONLY WAY TO GRIND!



WARNING

WHEN USING ELECTRIC TOOLS, BASIC SAFETY PRECAUTIONS SHOULD ALWAYS BE FOLLOWED TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, AND PERSONAL INJURY.



CAUTION




BLADES HAVE SHARP EDGES - ALWAYS WEAR PROTECTIVE GLOVES AND SAFETY GLASSES!



Before handling any equipment read and understand the instructions.

- **Grounding Instructions** - This tool must be grounded while in use to protect the operator from electric shock. The tool is equipped with an approved three conductor cord and three prong grounding type plug to fit the proper grounding type receptacle. The green (or green and yellow) wire is the grounding wire.
- **Extension Cords** - Use only three wire extension cords which have three prong grounding type plugs and three pole receptacles which accepts the tool's plug. Replace or repair damaged cords.
- **Keep Work Area Clean** - Clean benches and floors to prevent slip, trip, or falls.
- **Consider Working Environment** - Don't use power tools in damp or wet locations. Keep work area well lit. Don't expose power tools to rain.
- **Do not use tool** in presence of flammable liquids or gases.
- **Keep Children Away** - All visitors should be kept a safe distance from the work area. Do not let visitors have contact with the tool or the extension cord.
- **Store Idle Tools** - When not in use, tools should be stored in dry, high or locked-up places out of reach of children.
- **Do Not Force Tool** - It will do the job better and safer at the rate for which it was designed.
- **Do Not Over-Reach** - Keep proper footing and balance at all times
- **Use Safety Glasses** - Also face or dust mask-wrap around goggles, or other eye protection.
- **Wear Proper Apparel** - Do not wear loose clothing or jewelry that can get caught in moving parts. Gloves and non-skid footwear are required when working. Wear protective hair covering to contain long hair.
- **Do Not Abuse Cord** - Never carry tool by cord or pull it to disconnect from receptacle.
- **Keep cord away** from heat, oil, and sharp edges.
- **Disconnect Tool** - When not in use; before servicing.
- **Avoid Accidental Starting** - Don't carry plugged in tool. Be sure switch is off when plugging in.
- **KEEP GUARDS IN PLACE.**
- **Guard Against Electrical Shock** - Prevent body contact with grounded surface. For example: pipes, radiators, etc.
- **Stay Alert** - Watch what you are doing. Use common sense. Do not operate tool when you are tired, or under the influence of any drugs or alcohol.
- **Check Damaged Parts** - Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function.
- **Check for alignment** of moving parts, breakage of parts, mounting and any other condition that effect its operation. All parts should be properly repaired or replaced. Do not use this tool if the switch does not turn it on or off.
- **Never Leave Tool Unattended** - Turn the power off. Don't leave the tool until it comes to a complete stop.












SAFETY LABELS



SAFETY COLOR	DEFINITION
 DANGER	Interaction with the hazard will cause severe injury or death.
 WARNING	Interaction with the hazard could cause severe injury or death.
 CAUTION	Interaction with the hazard could cause minor or moderate injury.

 **WARNING**

NEVER ALTERNATE A MAG-200 BETWEEN A SHARPENER AND THE MAG-12008 BLADE CLEANER

SPARKS MAY IGNITE GRASS AND DEBRIS GENERATED BY THE MAG-12008 BLADE CLEANER

SAFETY ICON	DEFINITION
<div style="background-color: orange; color: black; padding: 5px; text-align: center;">  WARNING </div> <div style="display: flex; justify-content: space-around; align-items: center;">      </div>	
	Read all included manuals and bulletins included with this equipment.
	Always wear protective gloves when operating this equipment. Gloves are required.
	Always wear protective eye wear when operating this equipment. Eye protection required.
	Always wear protective hearing protection when operating this equipment. Hearing protection required.
	Always wear respiratory protection when operating this equipment. Respiratory protection required.

SAFETY ICON	DEFINITION
	Keep clear of the impeller. Contact will cause severe cuts or abrasions. Always keep safety guards in place.
	Disconnect power before servicing machine Always keep safety panels in place.

 **DANGER**

RISK OF FIRE. PART 200-70 SPARK ARRESTOR IS REQUIRED FOR HIGH SPARK LOAD APPLICATIONS.

ALWAYS INSPECT DUST COLLECTOR AFTER USE. DO NOT USE WITH COMBUSTIBLE MATERIALS

QUICK START VIDEOS

SCAN ME


MAGNA-MATIC®

ASSEMBLY & TESTING

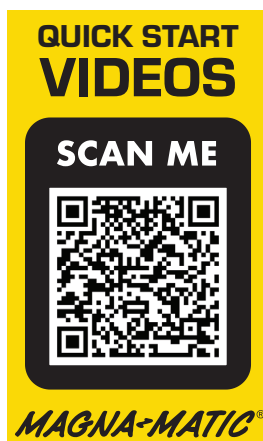


CAUTION

**TURN OFF
AND UNPLUG
BEFORE SERVICING!**

Installation Instructions

1. **We strongly recommend using the installation video,** scan the QR code for the Quick Start Videos.
2. **Unplug the MAG-200**
3. Remove the four self-tapping screws. See Fig.1
4. See Fig.2 and remove the louvered cover and the filters from the filter frame.
5. Take one #10 screw and locate the top center hole inside the filter frame. Line this up with the top center hole on the dust collector body. Start this screw but do not torque it tight. This will help you locate the other three holes. See Fig.3
6. Use the remaining three #10 screws to fasten the filter frame to the body of the dust collector, tighten all four. Do not use an impact or over torque - you could rip out the threads.
7. Use the enclosed tube of silicone sealant to seal both the inside and outside perimeter of the filter frame so there is a good seal all the way around. See Fig.4
8. Allow the silicone to dry before using the dust collector, wait at least 30 minutes.
9. Install the green pad filter into the filter shroud, the coarse looking side should be towards the dust collector. See Fig.11
10. Next install the pleated 4" deep filter, ensure the wire mesh is facing outward, or check the air flow direction on the label. See Fig.11
11. Cover the filter with the louvered cover and secure the catch clamps.
12. Lastly install the inlet if you didn't purchase the 200-70 Spark Box. See Fig.5



HARDWARE & TOOLS REQUIRED

- 5/16" socket
- Four #10 sheet metal screws, they will be in the body of the dust collector.

Fig.1

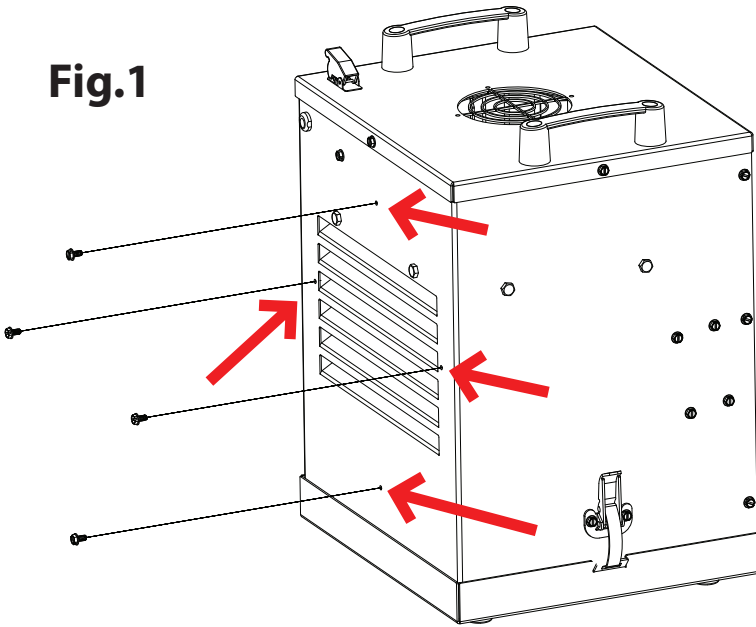


Fig.2

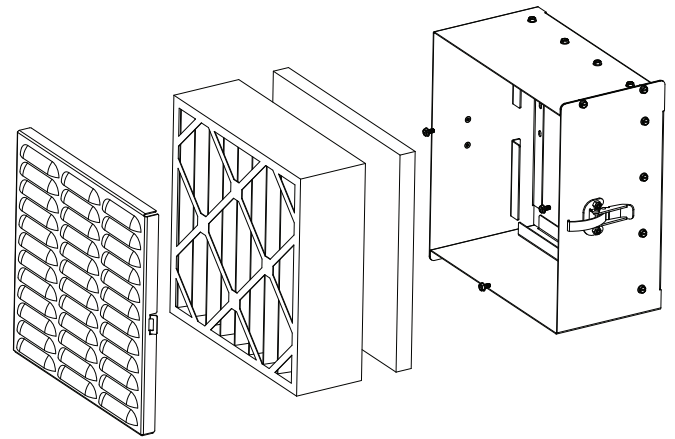


Fig.3

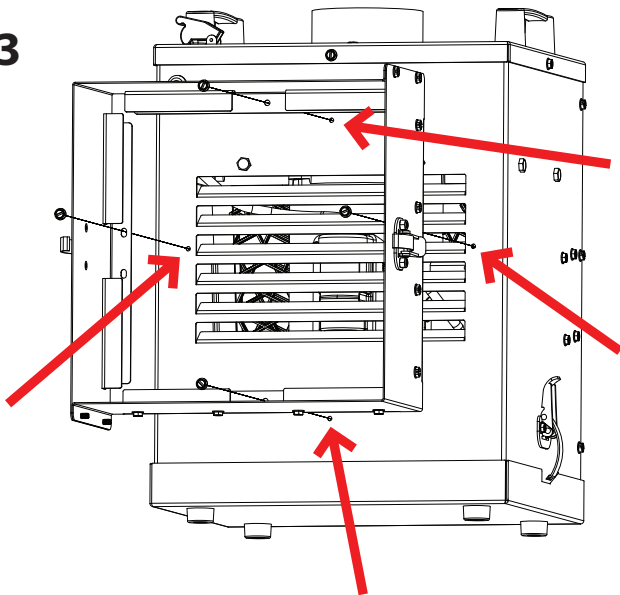


Fig.4

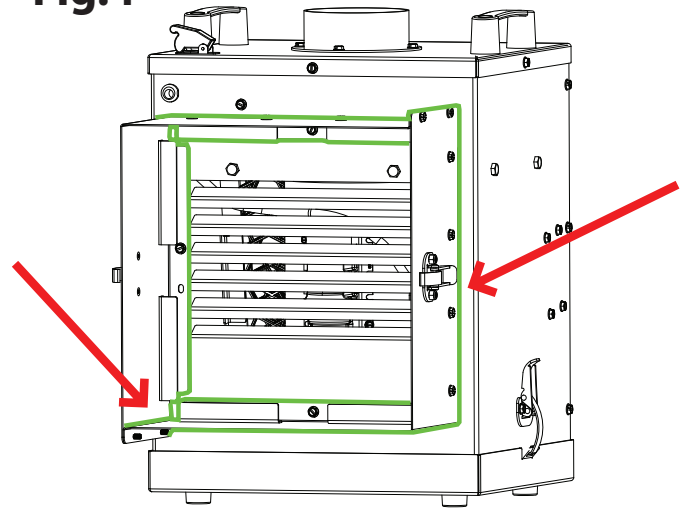
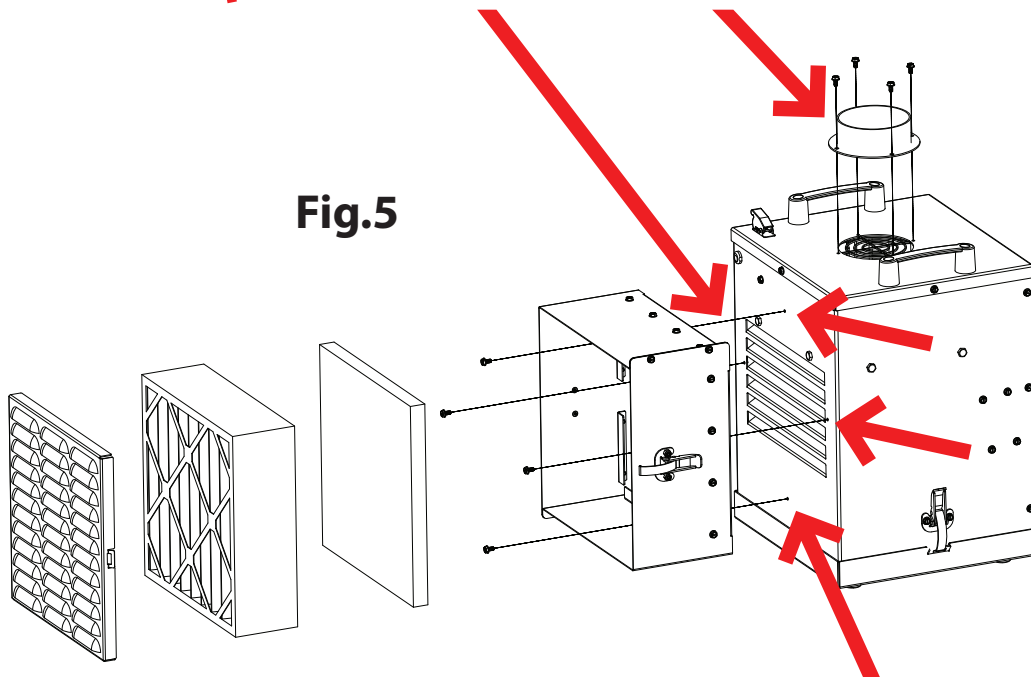


Fig.5



MAGNA-MATIC®

Installation Instructions for the 200-70 Spark Box

1. If you ordered a spark box install the base of the spark box to the top of the dust collector as shown in Fig.6 and then secure it with the catch clamps. Install the inlet on top of the spark box.
2. If you do not have the 200-70 spark box, install the inlet with the four #10 screws. See Fig.5

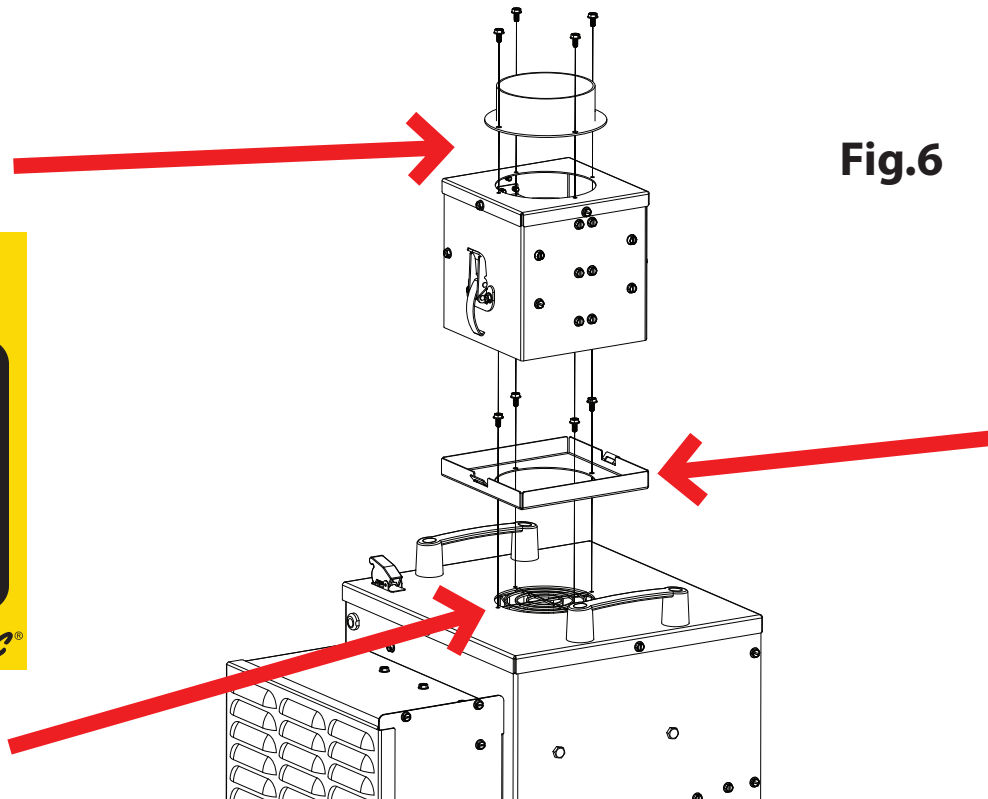
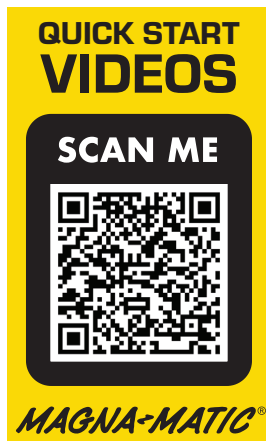


Fig.6

Installation Instructions for the 200-20-KIT Brackets

1. Install the two brackets with the 5/16" hardware. The brackets should be pointing downward.
2. Install the strength bracket as shown, you will remove the two #10 screws from the body, they are shared to install this strength bracket. The lower hanging bracket also shares holes with the long strength bracket. See Fig.8
3. See Fig.7 for dimensions if you intend on using the bracket it on a wall or workbench.

Fig.7

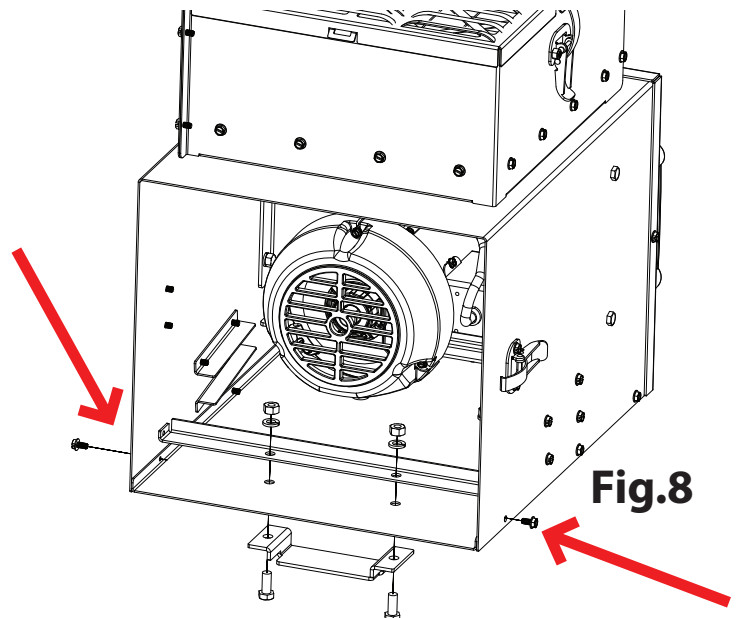
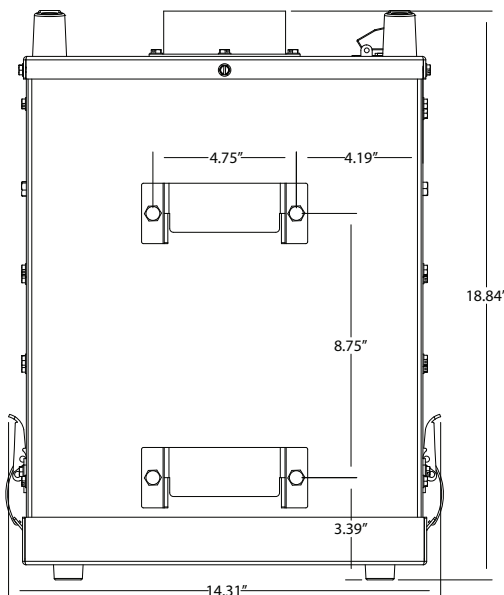


Fig.8

Cleaning the Metal Mesh Filter

1. Remove the bottom cover from the MAG-200, empty the contents in a trash can. See Fig.9
2. Slide the metal mesh filter out of the rails and shake it out over a trash can or blow out with compressed air. See Fig.10
3. Replace the filter in the slides and put the bottom cover back on.

Fig.9

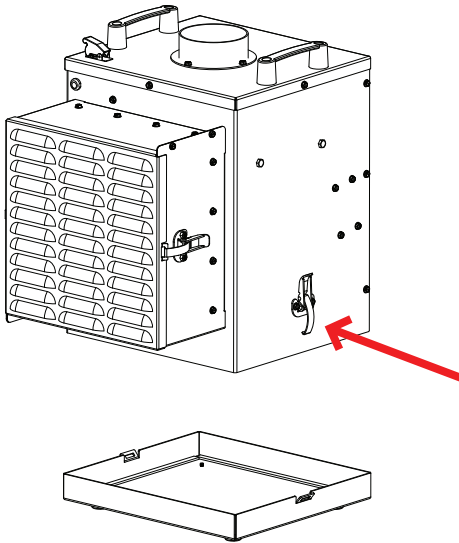
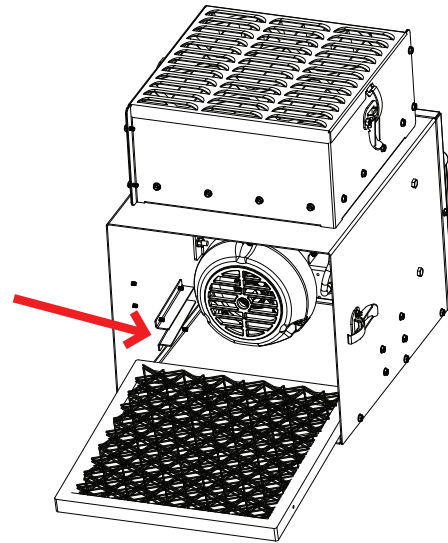


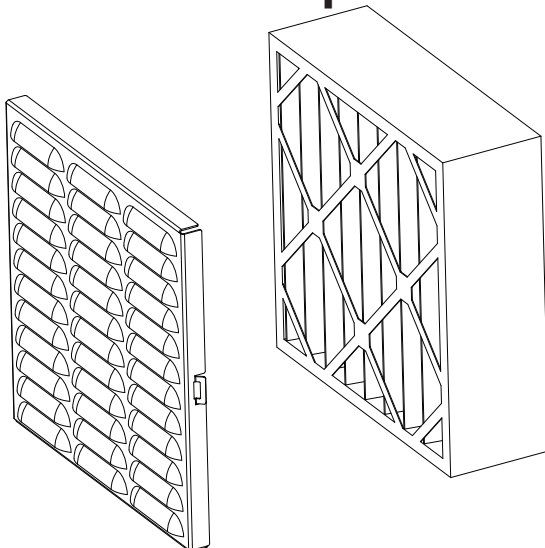
Fig.10



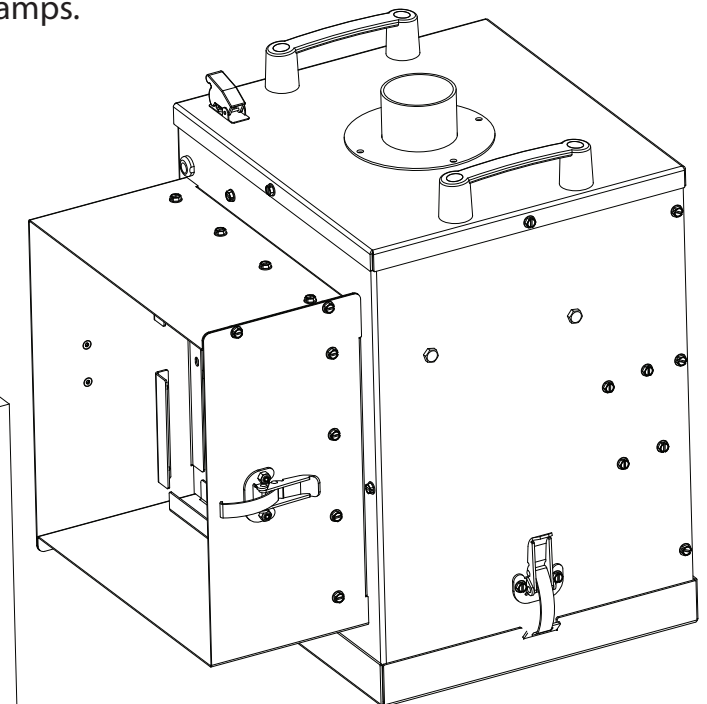
Changing the two consumable filters.

1. Remove the louvered cover by un-clamping the catch clamps.
2. Pull out the 4" deep pleated filter (part# 200-81) and dispose of it.
3. Pull out the 12" x 12" pad filter (part# 200-80) and dispose of it.
4. Insert a new 12" X 12" pad filter with the coarse side towards the inside.
5. Insert a new 4" deep filter with the wire support facing outward towards the cover.
6. Replace the louvered cover and secure the clamps.

**200-81
4" Deep Filter**



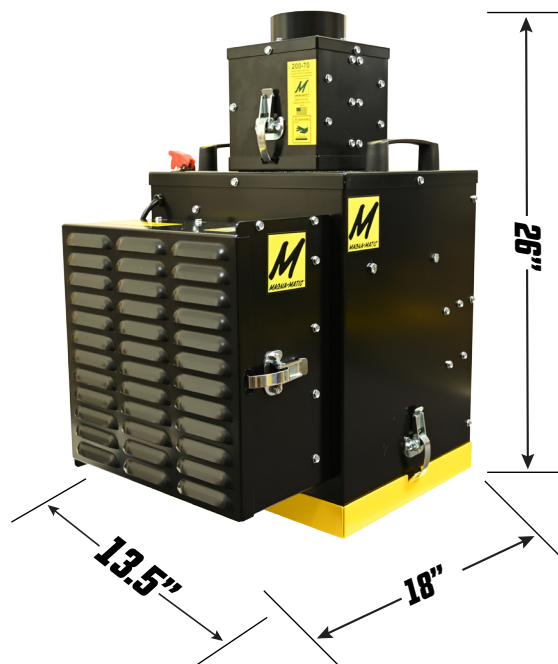
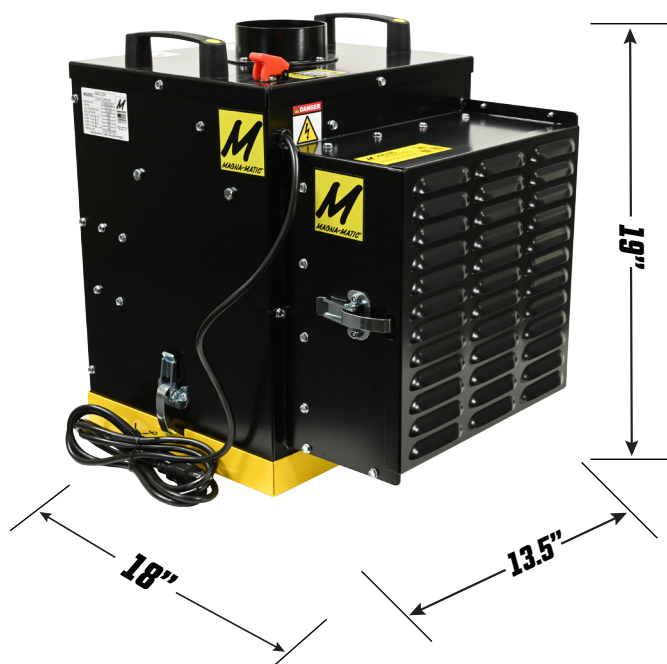
200-83 Louvered Cover



**200-80
Pad Filter**

Fig.11

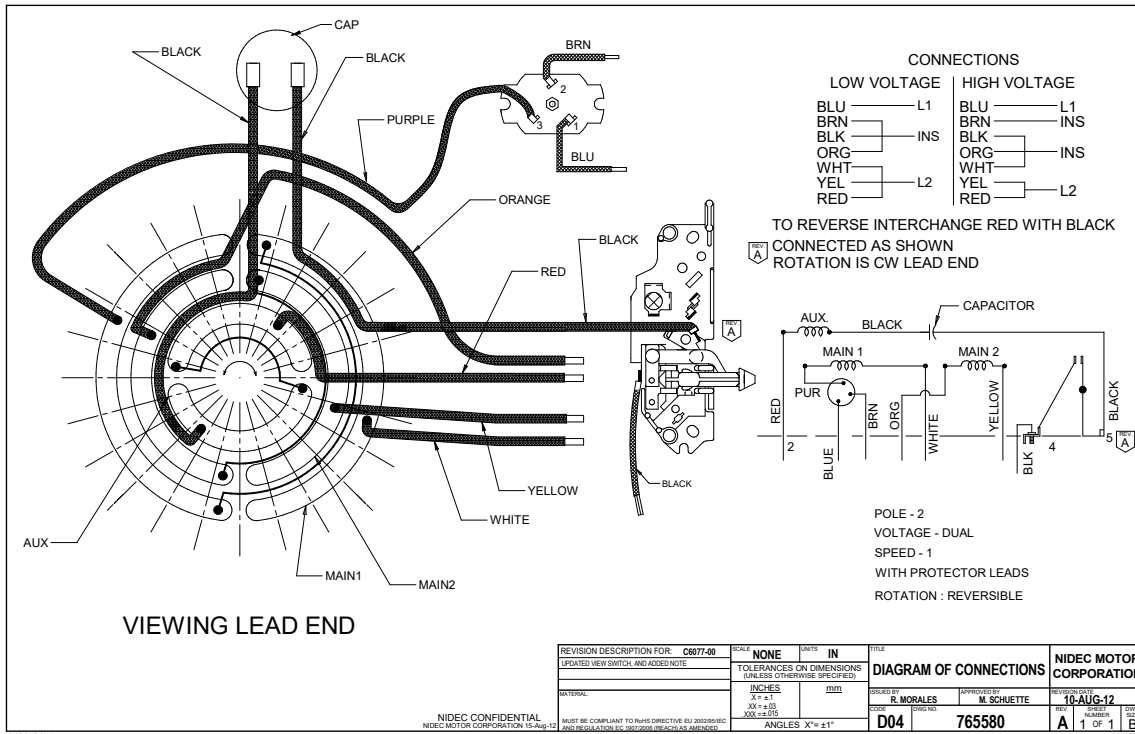
MAG-200 SPECIFICATIONS



	MAG-200 (North America) gen3
LxWxH	18" x 13.5" x 19"
Weight	70 lbs
Ship Weight	65 & 15 lbs
Motor Specs	US MOTORS®
Horse Power	1/2
Motor RPM	3450
Duty Cycle	Continuous
Hertz	60
Volts	115
Phase	Single
Amps (run)	7
Motor Type	Industrial - Totally Enclosed
Insulation	Class F
Direction	Single Direction
Fan Cooled	Yes
Transmission	Direct drive

TROUBLESHOOTING

PROBLEM	CAUSE	SOLUTION
Motor fails to start	Fan guard bent/damaged and contacting fan.	Replace fan guard
Motor has been running, then fails to start	Fuse or circuit breaker tripped.	Replace fuse or reset the breaker.
Motor has been running, then fails to start	Motor overloaded or load jammed.	Inspect to see that the load is free. Verify amp draw of motor versus nameplate rating.
Motor has been running, then fails to start	Capacitor may have failed.	First discharge capacitor. To check capacitor, set volt-ohm meter to RX100 scale and touch its probes to capacitor terminals. If capacitor is OK, needle will jump to zero ohms, and drift back to high. Steady zero ohms indicates a short circuit; steady high ohms indicates an open circuit.
Motor has been running, then fails to start	Starting switch has failed.	See wiring diagram and connect the black wire from the motor and the black wire from the cord to bypass the switch.
Motor runs but dies down	Voltage drop	If voltage is less than 10% of the motor's rating contact power company or check if some other equipment is taking power away from the motor. If motor is run using an extension cord, verify that this extension cord is properly sized for motor's current draw.
Motor takes too long to accelerate	Defective capacitor	Test capacitor per previous instructions.
Motor takes too long to accelerate	Bad bearings	Noisy or rough feeling bearings should be replaced.
Motor takes too long to accelerate	Voltage too low.	Make sure that the voltage is within 10% of the motor's nameplate rating. If not, contact power company or check if some other equipment is taking power away from the motor.
Motor overload protector continually trips	Ambient temperature too high.	Verify that the motor is getting enough air for proper cooling. Most motors are designed to run in an ambient temperature of less than 40°C. (Note: A properly operating motor may be hot to the touch.)
Start capacitors continuously fail.	Voltage to motor is too low.	Verify that voltage to the motor is within 10% of the nameplate value. If the motor is rated 110-125 V, the deviation must be calculated from 125 V.
MAG-200 is vibrating	Something is stuck to the impeller	Remove the top of the dust collector and clean the impeller. There is something stuck to the impeller. Clean the impeller of any material adhered to the impeller.



WARRANTY

MAGNA-MATIC CORPORATION (the "Manufacturer") warrants Manufacturer's products (the "Products") will be free from defects in manufacture by Manufacturer (the "Warranty"). The Warranty will be effective and valid for a period of one (1) or two (2) years, as indicated on the Warranty certificate or Manufacturer's website (<http://www.magna-matic.com>), beginning on the date in which Manufacturer ships the Product (the "Warranty Period") from manufacturer's facility directly to Manufacturer's distributor or customer/end user (the "Customer"). The Warranty shall obligate Manufacturer to repair or replace (in Manufacturer's discretion) defective Products as provided below. Manufacturer shall maintain records, including Manufacturing Process Instructions, for all Products for a period equal to the Warranty Period. Upon the expiration of the Warranty Period, Manufacturer will have no further obligation to Customer with respect to a Product that is non-conforming and/or defective for any other reason.

To take advantage of the Warranty, Customer must take the following three steps: (1) Customer must promptly notify Manufacturer after Customer becomes aware that it has a defective Product, which in all events must be within thirty (30) days of Customer's discovery of the defect and within the Warranty Period; and (2) Customer must provide detailed digital pictures and/or must return the defective Product to Manufacturer immediately thereafter and/or make the Product available to Manufacturer for inspection (at Manufacturer's request/discretion), and in no event more than thirty (30) days after any notification provided in (1) above; and (3) Customer must insure the defective Product until Manufacturer receives and accepts it. After Customer has taken the above steps, Manufacturer will evaluate the Product to determine if Customer's warranty claim is valid and to determine what, if any, remedy is available to Customer. Customer must return or make available all defective Products with complete documentation associated with the defective Product.

The Warranty shall be invalidated if: (1) damage to the Product is the result of misuse or abuse by Customer or any end user of the Product; or (2) if the Product has been modified by Customer or any end user of the Product; or (3) if any defects in the Products are caused as a result of Manufacturer following Customer's specifications in manufacture that contain any problems, faults, errors, miscalculations, or discrepancies in the specifications. If Manufacturer decides to repair or replace the defective Product, Manufacturer will ship the repaired or replaced Product (both, a "Repaired Product") F.O.B. the shipping point and all of the provisions in this Warranty pertaining to the Products will apply to the Repaired Product, including but not limited to, the risk of loss provisions set forth above. Notwithstanding the prior sentence, the Warranty Period for a Repaired Product will not be restarted, but instead will expire at the same time as though the Repaired Product was never a defective Product but rather the Product at all times.

THE WARRANTY PROVIDED HEREUNDER IS THE ONLY WARRANTY MANUFACTURER PROVIDES TO CUSTOMER, AND SHALL BE IN THE PLACE OF ANY OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE OR NONINFRINGEMENT, OR ANY OTHER OBLIGATION ON MANUFACTURER'S PART. NO ORAL OR WRITTEN STATEMENTS MADE BY MANUFACTURER, EXCEPT THOSE MADE IN THIS WARRANTY SHALL BE CONSIDERED A WARRANTY OR CONSIDERED TO HAVE ANY LEGAL EFFECT. ADDITIONALLY, NO SAMPLES, MODELS, OR PROTOTYPES MANUFACTURER PROVIDES TO CUSTOMER SHALL BE CONSIDERED A WARRANTY OR CONSIDERED TO HAVE ANY LEGAL EFFECT.

CUSTOMER'S EXCLUSIVE REMEDIES FOR MANUFACTURER'S BREACH OF WARRANTY SHALL BE ONE OF THE FOLLOWING: (A) THE REPAIR OR REPLACEMENT OF THE DEFECTIVE PRODUCT; OR (B) THE REFUND OF THE PRICE CUSTOMER PAID FOR THE DEFECTIVE PRODUCT. THE REMEDIES SET FORTH ABOVE SHALL BE DETERMINED IN MANUFACTURER'S SOLE DISCRETION. ANY SHIPPING COSTS ASSOCIATED WITH VALID WARRANTY PRODUCTS THAT MANUFACTURER AND CUSTOMER HAVE MUTUALLY AGREED UPON SHALL BE PAID BY MANUFACTURER.

UNDER NO CIRCUMSTANCES WILL MANUFACTURER BE LIABLE FOR ANY INDIRECT, SPECIAL, PUNITIVE, INCIDENTAL, OR CONSEQUENTIAL DAMAGES RESULTING FROM THE SALE, MANUFACTURE, OR USE OF THE PRODUCT, WHETHER BASED UPON BREACH OF WARRANTY, BREACH OF CONTRACT, NEGLIGENCE, STRICT LIABILITY, OTHER TORT, OR ANY OTHER LEGAL THEORY. MANUFACTURER'S LIABILITY IN CONNECTION WITH THE SALE OR USE OF THE PRODUCT WILL NOT EXCEED THE PRICE OF THE PRODUCT UNDER ANY CIRCUMSTANCES. BY WAY OF EXAMPLE, IF A SINGLE PRODUCT CAUSES ANY DAMAGES, MANUFACTURER'S LIABILITY WILL NOT EXCEED THE PRICE OF THAT SINGLE PRODUCT. DAMAGES REFERRED TO IN THIS PROVISION INCLUDE, BUT ARE NOT LIMITED TO, LOSS OF PROFITS, REVENUE, OR USE OF THE PRODUCT; THE COST OF CAPITAL, SUBSTITUTE PRODUCTS, REPLACEMENT PRODUCTS, OR DOWN TIME; ANY CLAIMS OF THIRD PARTIES, INCLUDING, BUT NOT LIMITED TO, CUSTOMER'S CUSTOMERS OR OTHER USERS; DEATH; PERSONAL INJURY; AND INJURY TO PROPERTY.

CE DECLARATION OF CONFORMITY

Manufacturer Declaration

According to EC Machinery Directive 2006/42/EC, Annex II A

We, MAGNA-MATIC W4599 County Road IW Waldo, WI 53093, herewith declare, that the following machine complies with the appropriate basic safety and health requirements of the EC Directive based on its design and type, as brought into circulation by us. In case of alteration of the machine, not agreed upon by us, this declaration will lose its validity.

Machine: MAG 12008, MAG 8000, MAG 9000, MAG-8100, MAG-8200, MAG-6000

Applicable EC Directives: EC Machinery Directive 2006/42/EC
EC Low - Voltage Directive 2006/95/EC

Applicable Harmonized Standards: BSENISO 12100:2010
BSEN 61029-1:2009+A11:2010
BSEN 61029-2-4:2011

Printed Name: Gerd F. Bauer II
Title: Vice President
Date: 1 January 2015

Authorized Signature:



Magna-Matic Corporation
W4599 County Road IW
Waldo WI 53093 USA

Phone: (920) 564-2366 - FAX: (920) 564-2368
Toll Free USA & Canada **1-800-328-1110**
<http://www.magna-matic.com>
© Copyright 2025 All rights reserved