

*Eastwood*

DO THE JOB RIGHT.

Item #30998

# DUST COLLECTOR FOR BLAST CABINETS

## INSTRUCTIONS



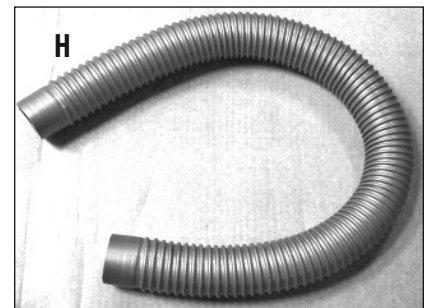
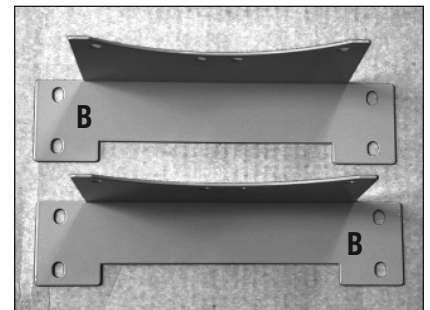
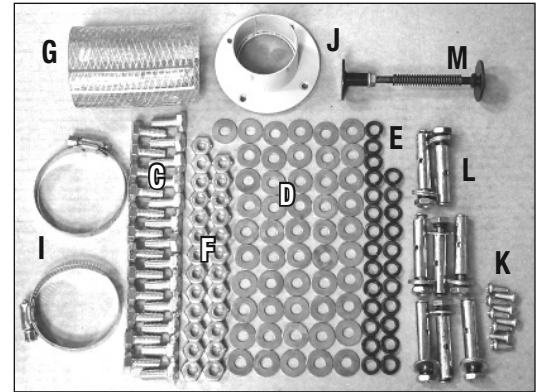
The **Eastwood Dust Collector** includes a powerful, high efficiency 12 amp motor with a large 1.75 gallon dust capacity and offers easy filter clearing and dust draining capability. The multi-mounting design allows locating directly to the rear of the Eastwood #20027 Blast Cabinet and others or the choice of remote wall mounting. Heavy gauge steel construction and a rugged powder coated finish will provide years of service.

## SPECIFICATIONS

- 120 VAC, 60Hz, 12 amp double insulated motor
- 1.75 gallon canister capacity
- Filtration: 8 microns
- *Actual unit is black in color*

## INCLUDES

- (1) Collector with power cord (A)
- (2) Collector Mounting Supports (B)
- (16) 8mm Bolts (C)
- (32) 8mm Washers (D)
- (16) 8mm Lock Washers (E)
- (16) 8mm Nuts (F)
- (1) 2" Diameter x 3" [76mm] long flexible, reinforced vacuuming hose for cabinet rear mounting (G)
- (1) 2" Diameter x 3' [1m] long flexible, reinforced vacuuming hose for wall mounting (H)
- (2) Hose Clamps (I)
- (1) Cabinet Hose Connector (J)
- (4) Cabinet Hose Connector Screws (K)
- (8) Wall Mounting Studs (L)
- (1) Filter "Shaker Knob" Assembly (M)



## SAFETY INFORMATION

In this manual, on the labeling, and all other information provided with this product:

### **⚠ DANGER**

DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.

### **⚠ WARNING**

WARNING indicates a hazardous situation which, if not avoided, will result in death or serious injury.

### **⚠ CAUTION**

CAUTION used with the safety alert symbol, indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

### **⚠ NOTICE**

NOTICE is used to address practices not related to personal injury.

# SAFETY INFORMATION



**!** Read and understand all instructions thoroughly.



**!** **WARNING FIRE AND EXPLOSION HAZARD!**

- DO NOT allow flammable vapors to enter the air intake of the Motor Unit!
- Never use near a flammable coating or solvent.



**!** **WARNING HEALTH HAZARD!**

- The fine dust accumulated by this unit is a Health Hazard!
- Avoid breathing dust possibly emitted at the collector outlet. Always wear appropriate NIOSH approved breathing apparatus and use in a well ventilated area.
- Always wear a respirator when emptying or cleaning the unit.
- Never allow the outlet of the Collector to be directed to yourself or other persons or pets.
- This device emits high sound levels. Use appropriate hearing protection. Never operate the dust collector with the inlet or hose blocked.



**!** **WARNING ELECTRICAL SHOCK HAZARD!**

- Never operate or store unit in damp or wet conditions.
- If an extension cord is required, a 25' cord is recommended not to exceed 50'. All extension cords must be 18 AWG or greater.
- Do Not run motor when detached from Blast Cabinet.
- Always unplug Collector and Blast Cabinet and DISCONNECT air supply before changing filter, emptying, cleaning or servicing the Collector or Blast Cabinet.



## ASSEMBLY

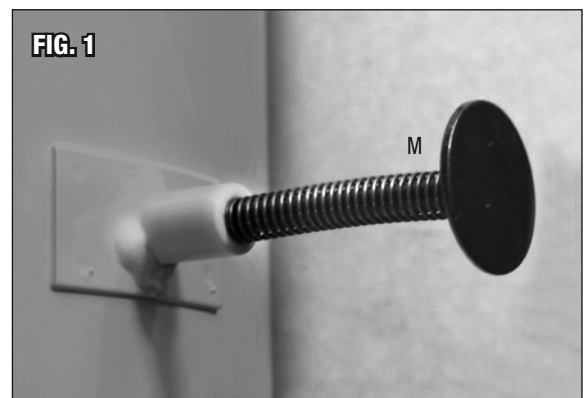
Remove all components from carton, identify them and become familiar with their purpose.

1. Install Filter "Shaker Knob" Assembly (**M**).
  - Unlatch (2) Retainer Clips from upper section of Collector housing then pull upper section of Collector upward and out of the housing with the filter attached. Note the filter is approx. 1 ft. [.3m] long.
  - Remove the inner Striker Plate and Locknut of the Filter Shaker Assembly by unthreading them.
  - Slide the Threaded Post of the Filter Shaker with the Coil Spring on the outside through the port in the Collector Housing (**FIG 1**).
  - Reaching down inside the Collector housing, thread the Locknut and Inner Striker Plate onto the Threaded Post and tighten in place with (2) 10mm wrenches (**FIG 2**).

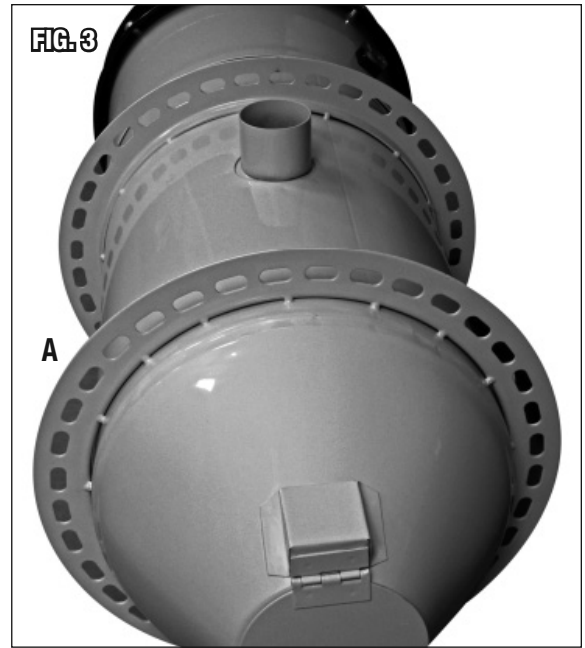
Note that the Dust Collector offers multiple mounting location choices; rear of blast cabinet, wall, or other cabinet locations. It is specifically designed to fit the rear of the Eastwood #20027 Blast Cabinet.

It is highly recommended to have a helper present to assist in holding the Collector in place while mounting.

**!** **WARNING** Do not plug the Collector into electrical power while assembling.

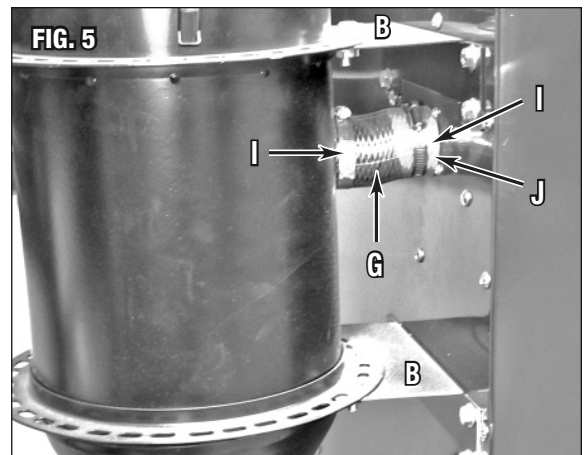
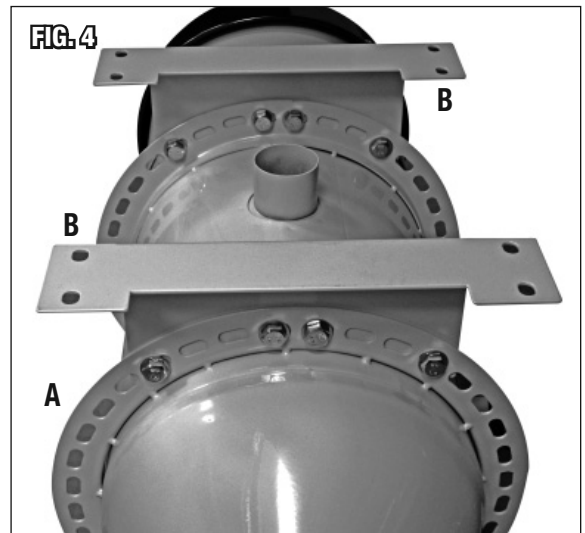


- Place the Collector **(A)**, face down (hose outlet facing upward) on the packaging material to prevent scratches **(FIG 3)**.
- Mounting Bracket Attachment  
Choose the mounting location for the Dust Collector at this step as it will determine where on the unit the Mounting Brackets **(B)** will be attached.
  - For mounting on the rear of an Eastwood # 20027 Blast Cabinet, attach the Mounting Brackets the same side as the Hose Outlet **(FIG 4)**.
  - For wall mounting, attach the Mounting Brackets to the side opposite of the Hose Outlet.
  - For other locations, determine where the hose outlet will need to be and attach Mounting Brackets as required.



## MOUNT COLLECTOR TO THE REAR OF AN EASTWOOD #20027 BLAST CABINET

- Hose Attachment
  - Attach the 2" Dia. x 3" long Hose **(G)** to the Collector Hose Outlet. Secure to the hose outlet with a Hose Clamp **(I)**, slip the 2nd Hose Clamp **(I)** over the end of the hose but do not tighten. It will be attached to the Blast Cabinet Hose Connector **(J)** later.
- Attach Collector to Eastwood Blast Cabinet **(FIG 5)**
  - Using the dimensions shown on the Hole Drilling Diagram, carefully mark locations and drill (8) 0.38" [9.5mm] mounting holes in the rear of the Blast Cabinet.  
**Important Note:** Arrange the drilling pattern so that the upper right hole (as viewed from the rear of the Blast Cabinet) is located 3-1/2" down and 1-1/2" in from the edges of the Blast Cabinet **(FIG 8, Template)**.
  - If required; remove the Exhaust Baffle from the interior back panel of the Blast Cabinet.
  - Place the Cabinet Hose Connector **(J)** through the hole in the upper rear panel of the Blast Cabinet with the flange inside and secure with the **(4)** supplied Screws **(K)**.
  - While having a helper hold the Collector assembly, slip the Hose **(G)** over the Hose Connector **(J)** and then tighten the previously installed Hose Clamp Hose Clamp **(I)**.
  - Align the holes in the flange of the upper Mounting Brackets **(B)** with the previously drilled holes in the rear panel of the Blast Cabinet while placing 8mm Bolts **(C)** with washers **(D)** through the holes and secure them with lockwashers **(E)** and 8mm Nuts **(F)**.
  - Add all remaining hardware, check for alignment of Hose then tighten with 14mm wrenches.



# MOUNT COLLECTOR TO A WALL

- Hose Attachment
  - Attach the 2" Dia. x 3" long Hose **(H)** to the Collector Hose Outlet. Secure to the hose outlet with a Hose Clamp **(I)**, slip the 2nd Hose Clamp **(I)**, over the end of the hose but do not tighten. It will be attached to the Blast Cabinet Hose Connector **(J)** later
- Attach Collector to a Wall
- Masonry Wall using Wall Mounting Studs **(L)**
  - Using the dimensions shown on the Hole Drilling Diagram, carefully mark locations and drill (8) 5/16" mounting holes in the chosen wall location with a masonry bit. Install Wall Mounting Studs **(L)** in predrilled holes.

**NOTE:** For frame/drywall or other types of construction, use appropriate lag or expanding fasteners capable of holding the 50+ lbs. [23+ kg] loaded weight of the Collector.

- If required; remove the Exhaust Baffle from the interior back panel of the Blast Cabinet.
- Place the Cabinet Hose Connector **(J)** through the hole in the upper rear panel of the Blast Cabinet with the flange inside and secure with the (4) supplied screws **(K)**.
- While having a helper hold the Collector assembly, slip the Hose **(G)** over the Hose Connector **(J)** and then tighten the previously installed Hose Clamp **(I)**.
- Align the holes in the flange of the Mounting Brackets **(B)** with the previously installed Wall Studs **(L)** for masonry walls and thread on and tighten washers and nuts or align mounting holes and install appropriate framing or drywall fasteners.

## OPERATION

- Plug power cord into suitable electrical source.
- Turn Power Switch to the "ON" position.
- Open air supply to Blast Cabinet.
- With the unit turned off, periodically operate the "Shaker Knob" **(FIG 1)** located on the right side of the Collector to gently strike and shake debris from the Filter. Failure to do so will allow fine dust to accumulate on the outer surface of the Filter, blocking airflow through it.

# MAINTENANCE

- Unplug Dust Collector from electrical power and disconnect Blast Cabinet from air supply before performing maintenance or emptying unit or serious injury could occur.
- To drain accumulated dust & debris – Unlatch Retainer Clip (**FIG 6**), from bottom of the Collector, remove Bottom Cap and allow dust & debris to fall into a suitable collector.

**⚠ WARNING** The fine dust accumulated by this unit is a Health Hazard! Avoid breathing dust produced by the Collector outlet. Always wear appropriate NIOSH approved breathing apparatus when cleaning, emptying or maintaining the unit and use in a well ventilated area. Dispose of dust & debris properly. Clean debris from seal, replace cap and latch back into place securely.

## TO SERVICE FILTER

1. Unlatch (2) Retainer Clips from upper section of Collector housing then pull upper section of Collector upward and away from housing. Note the filter is attached and is approx. 1 ft. [.3m] long.
2. Remove Wing Nut and large Retaining Washer from stud at underside of Filter (**FIG 7**).
3. Remove Filter.
4. Replace Filter.
5. Replace Wing Nut and large Retaining Washer and finger tighten firmly.
6. Clean Rubber Seal.
7. Replace upper section of Collector with Filter attached.
8. Latch the 2 Retaining Clips.

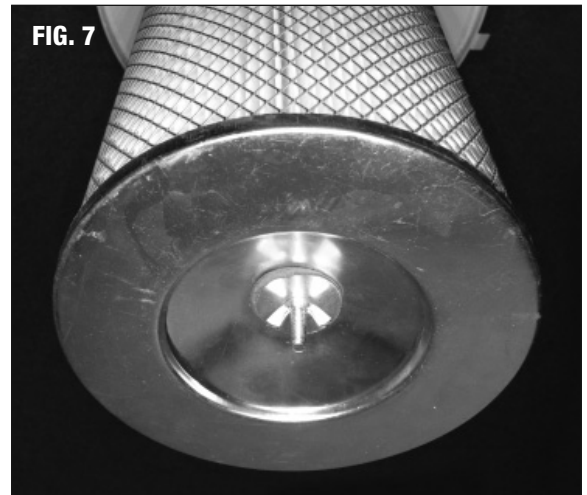
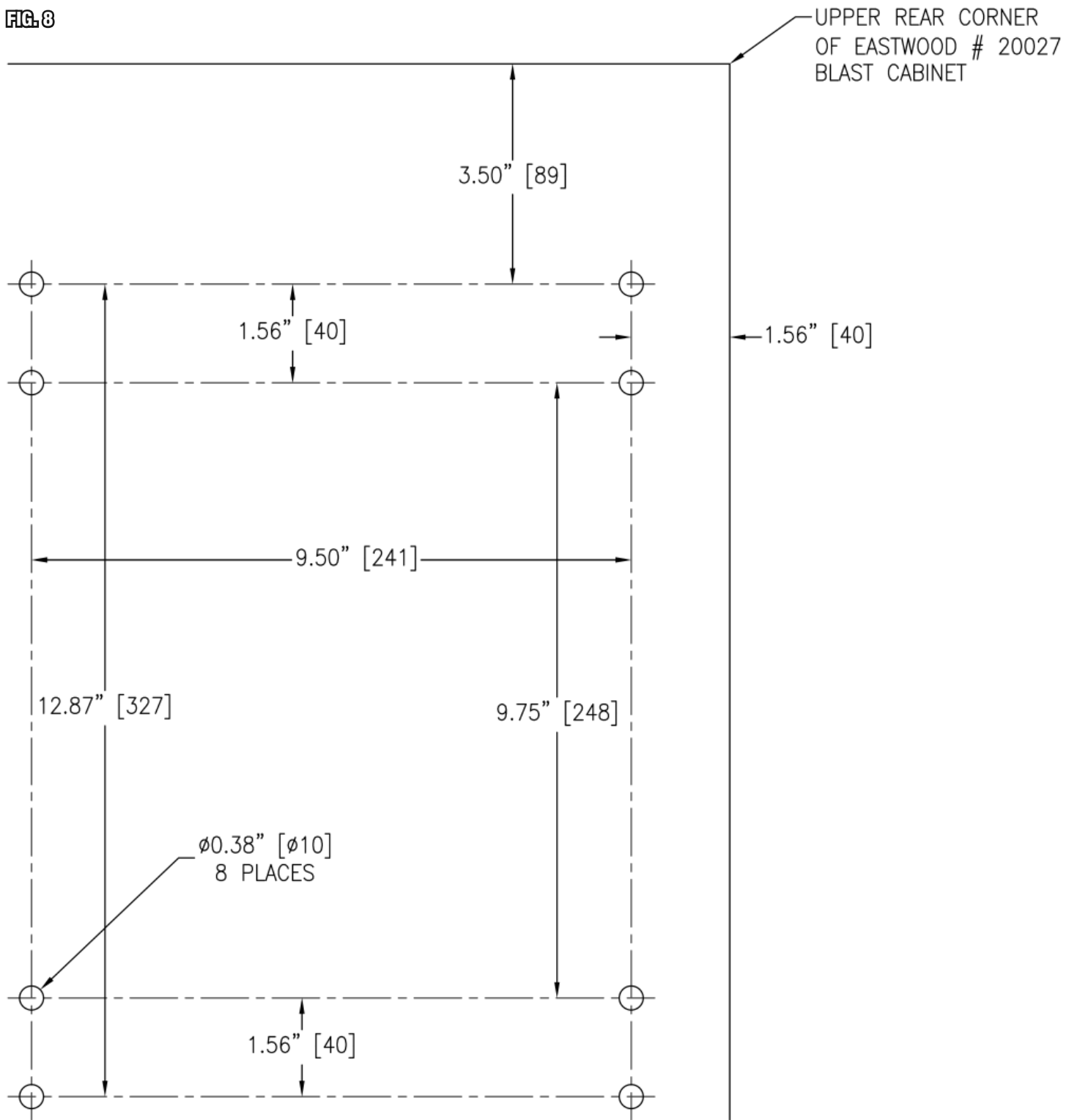




FIG. 8



# TROUBLE-SHOOTING

- **COLLECTOR FAILS TO CLEAR DUST FROM BLAST CABINET**

- Dust & debris have accumulated inside the Collector filling it.  
Unplug Collector and Blast Cabinet, disconnect air supply from Blast Cabinet then drain dust & debris as described in Maintenance section above.
- Filter has accumulated a layer of dust.  
Operate the “Shaker Knob” (**FIG 1**) to loosen caked on dust & debris from filter.
- Filter is clogged.  
Replace Filter as described in Maintenance section above.

# ADDITIONAL AVAILABLE ITEMS

**#30999** Replacement Filter.

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**If you have any questions about the use of this product, please contact**

The Eastwood Technical Assistance Service Department: 800.544.5118 >> email: [techelp@eastwood.com](mailto:techelp@eastwood.com)  
PDF version of this manual is available online >> [eastwood.com/30998manual](http://eastwood.com/30998manual)

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