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Model G0441HEP

IMPORTANT UPDATE

For Machines Mfd. Since 12/20,
Manual Insert Revised 01/18,
and Owner's Manual Revised 02/19

The following changes were made since the owner's manual was printed:

- Frame now has square holes for carriage bolts.
- Dust collection drum now has a handle for easy hood raising.
- Dust collector cannot be wall-mounted.
- There is now a pressure gauge for determining when to clean or replace the filters.

Aside from this information, all other content in the owner's manual applies and MUST be read and understood for your own safety. **IMPORTANT: Keep this update with the owner's manual for future reference.**

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Revised Specifications

Product Dimensions:

Width (side-to-side) x Depth (front-to-back) x Height 65 x 35-1/2 x 108-1/2 in.
Footprint (Length x Width) 33 x 33 in.

Revised Site Considerations

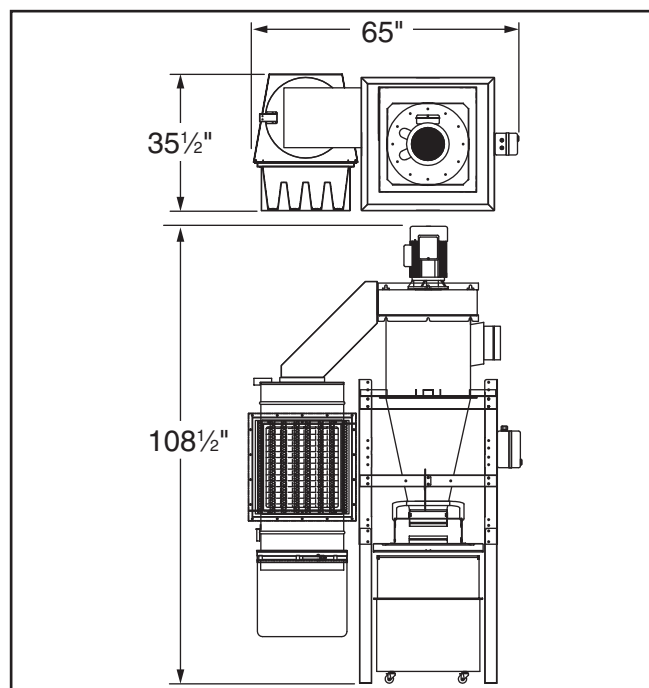


Figure 1. Revised clearances.

Reading Pressure Gauge

The included pressure gauge for the Model G0441HEP provides an easy way to check if the filters require cleaning or replacement.

When the gauge displays more than 6 Aq (see **Figure 2**), clean the filters according to **Cleaning Filters** and **Rinsing Filter** on **Page 38** of the owner's manual.

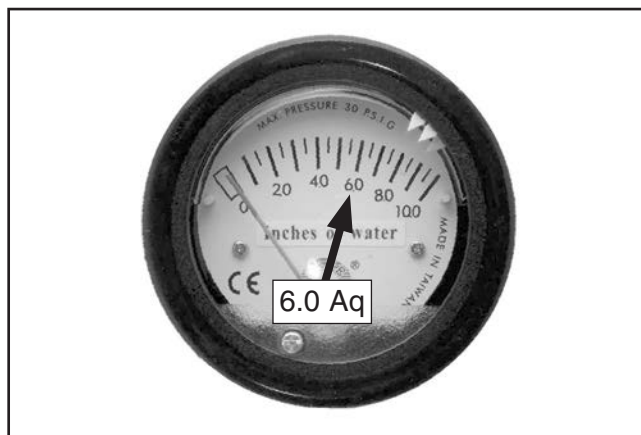


Figure 2. Location of 6 Aq on pressure gauge.

Older filters do not get as clean as new ones, so the pressure will not drop as substantially after the first cleaning. When the air pressure no longer drops below 6 Aq with cleaning, replace the filters.



This diagram illustrates the exploded view of a mechanical assembly, likely a pump or a similar fluid-handling device. The components are labeled with numbers and letters, indicating their specific parts and sub-assemblies.

Key Components and Labels:

- Motor and Drive Assembly:** Located at the top, featuring a motor (9V2) and a drive shaft (40V2) connected to a central shaft (44V2).
- Structural Frame:** A central vertical structure (118V2) supported by a base (119V2) and a lower section (120V2). It includes various mounting brackets (117, 119V2, 121V2) and fasteners (19, 47, 6, 88, 30, 227).
- Electrical Control System:** On the left, showing a power source (122V2) connected to a control unit (93) and a switch (69). A separate control unit (115V2) is also shown.
- Internal Assembly (Dashed Box):** A detailed view of the internal components, including a central shaft (50V2) with a flange (52V2) and a lower section (53V2). It includes various seals (53AV2), O-rings (25, 26, 28), and fasteners (99, 19, 27).
- Other Components:** Various fasteners, bolts, and small parts are labeled with numbers like 31, 32, 29, 97, 98, 90, 117, 92, 6, 227, 89, 117, 33, 6, 227, 53AV2, 25, 26, 28, 99, 19, 27, 53V2, 117, 97, 92, 6, 227, 89, 117, 98, 50V2, 52V2, 53V2, 19, 27, 99, 25, 26, 28.

The diagram provides a comprehensive overview of the assembly's structure and the relationship between its various parts, facilitating the identification and replacement of components.

REF	PART #	DESCRIPTION
69	P0441HEP069	HEX NUT M3-.5
87	P0441HEP087	HEX BOLT 3/8-16 X 11
88	P0441HEP088	HANDLE HOOK
89	P0441HEP089	DRUM LID SPRING
90	P0441HEP090	CYCLONE FUNNEL ADAPTER
92	P0441HEP092	FLAT WASHER 3/8 THIN
93	P0441HEP093	PRESSURE GAUGE W/MOUNTING BRACKET
97	P0441HEP097	COLLECTION LID HANDLE
98	P0441HEP098	DRUM LID CONNECTING PLATE
99	P0441HEP099	DRUM WINDOW
115V2	P0441HEP115V2	MOUNTING BRACKET V2.12.20
117	P0441HEP117	LOCK NUT 3/8-16
118V2	P0441HEP118V2	UPPER STAND BRACE V2.12.20
119V2	P0441HEP119V2	UPPER STAND LEG V2.12.20
120V2	P0441HEP120V2	LOWER BRACKET BRACE V2.12.20
121V2	P0441HEP121V2	LOWER STAND LEG V2.12.20
122V2	P0441HEP122V2	STAND SWITCH BRACKET V2.12.20
227	P0441HEP227	HEX BOLT 3/8-16 X 1

Inventory

The following is a description of the main components shipped with your machine. Lay the components out to inventory them.

NOTICE

If you cannot find an item on this list, carefully check around/inside the machine and packaging materials. Often, these items get lost in packaging materials while unpacking or they are pre-installed at the factory.

Inventory (Figure 3)	Qty
A. Intake Cylinder	1
B. Cyclone Funnel	1
C. Intake Barrel	1
D. Drum Collection Bag	1
E. Remote Control	1
F. Motor/Blower Housing Assembly	1
G. Upper Collection Drum	1
H. Lower Collection Drum	1
I. Flexible Hose 9" x 10"	1
J. Hose Clamps 9"	2
K. Collection Drum Lid	1
L. Collection Drum Seal	1
M. Foam Tape Roll 3 x 6 x 1800mm	1
N. Foam Tape Roll 3 x 6 x 300mm	1
O. Barrel Gaskets	2
P. Filter Adapter Rubber Gaskets	2
Q. Hose Clamps 1 1/4"	2
R. Vacuum Hose 1 1/4" x 98"	1
S. Cyclone Vacuum Port	1
T. Collection Drum Vacuum Ring	1
U. Vacuum Hose Clips	2
V. Collection Lid Handle	1
W. Air Hose 45"	1
X. Casters	4
Y. Drum Lid Connecting Plates	2
Z. Drum Lid Springs	2
AA. Pressure Gauge	1
AB. Cyclone Funnel Adapter	1
AC. Collection Drum Plastic Handles	2
AD. Filter Adapter	1
AE. Pressure Gauge Mounting Bracket	1
AF. Canister/HEPA Filter Assembly	1
AG. Canister Collection Bag	1
AH. Strain Relief	1
AI. Hose Clamp 8"	1
AJ. Foam Tape Roll 5 x 50mm	1

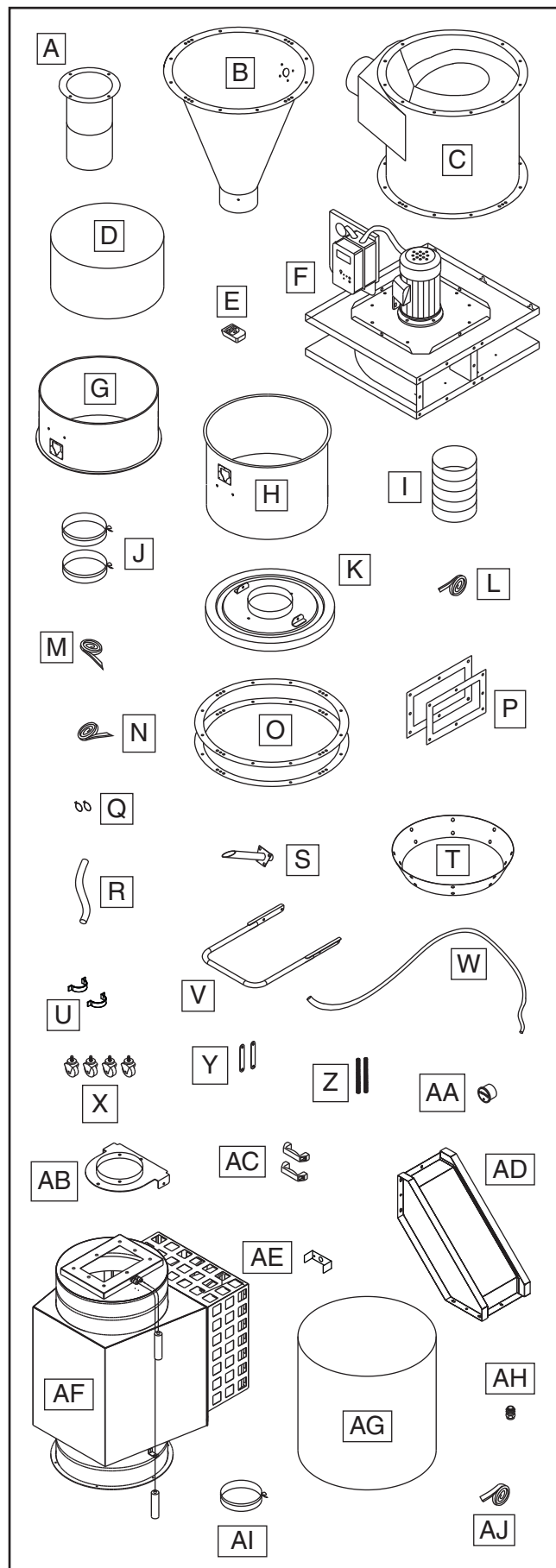


Figure 3. Model G0441HEP inventory.



(Replaces Page 5 in Manual Insert)

Stand Box Contents (Figure 4)		Qty
AK. Lower Stand Legs	4	4
AL. Upper Stand Legs	4	4
AM. Upper Stand Braces	4	4
AN. Lower Stand Braces	4	4
AO. Collector Mounting Brackets	4	4
AP. Handle Hook.....	1	1
AQ. Handle Hook Base	1	1

Hardware (Not Shown)		Qty
AR. Carriage Bolts $\frac{5}{16}$ "-18 x $\frac{3}{4}$ "	56	56
AS. Hex Bolts $\frac{5}{16}$ "-18 x 1".....	20	20
AT. Hex Bolts $\frac{5}{16}$ "-18 x $\frac{3}{4}$ ".....	20	20
AU. Hex Bolts $\frac{3}{8}$ "-16 x $\frac{3}{4}$ ".....	3	3
AV. Hex Bolts $\frac{3}{8}$ "-16 x 1".....	29	29
AW. Hex Bolts $\frac{3}{8}$ "-16 x 11".....	2	2
AX. Phillips Head Screws $\frac{5}{16}$ "-18 x $\frac{3}{4}$ ".....	4	4
AY. Slotted Set Screws M3-.5 x 42.....	2	2
AZ. Flat Washers $\frac{5}{16}$ "	116	116
BA. Flat Washers $\frac{3}{8}$ "	60	60
BB. Flat Washers $\frac{3}{8}$ " (Thin).....	8	8
BC. Lock Washers $\frac{3}{8}$ ".....	4	4
BD. Fender Washers $\frac{5}{16}$ ".....	4	4
BE. Hex Nuts $\frac{5}{16}$ "-18	76	76
BF. Hex Nuts $\frac{3}{8}$ "-16	15	15
BG. Lock Nuts $\frac{3}{8}$ "-16	15	15
BH. Acorn Nuts $\frac{5}{16}$ "-18	4	4
BI. Hex Nuts M3-.5	2	2

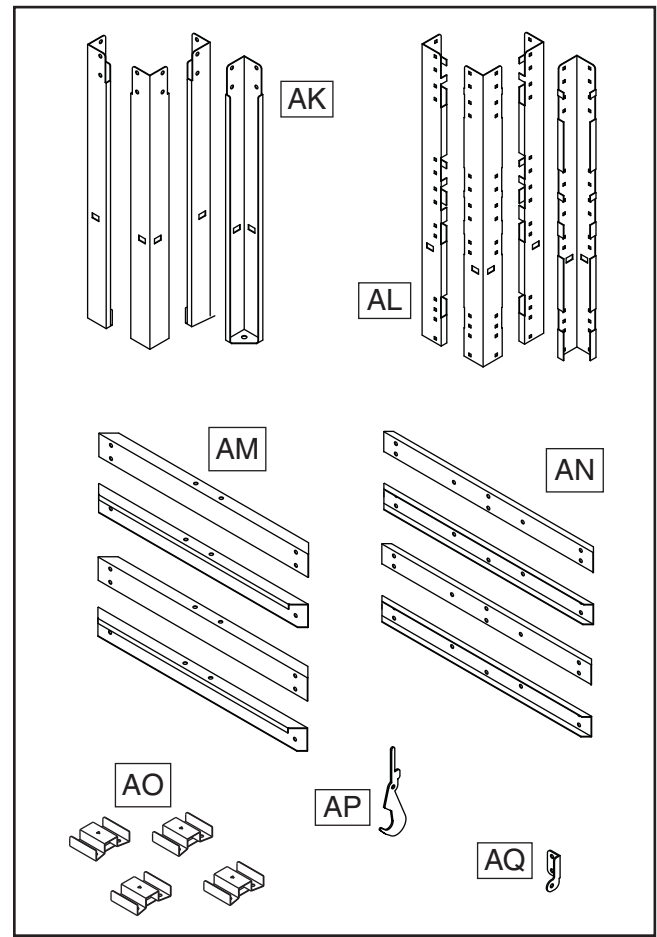


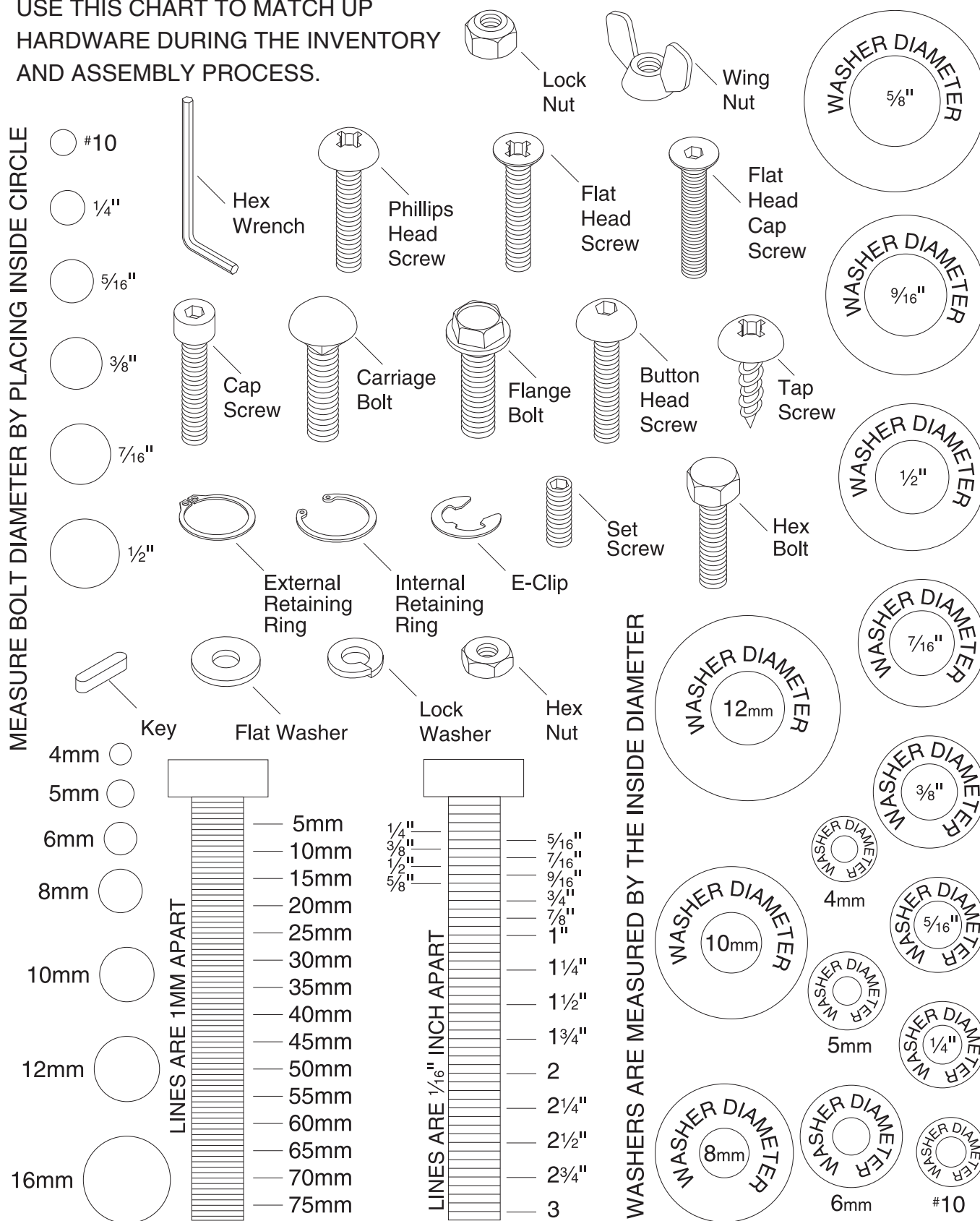
Figure 4. Contents of stand box.



Hardware Recognition Chart

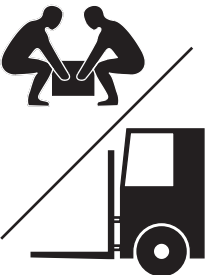
USE THIS CHART TO MATCH UP
HARDWARE DURING THE INVENTORY
AND ASSEMBLY PROCESS.

MEASURE BOLT DIAMETER BY PLACING INSIDE CIRCLE



Assembly

The machine must be fully assembled before it can be operated. Before beginning the assembly process, refer to **Needed for Setup** and gather all listed items. To ensure the assembly process goes smoothly, first clean any parts that are covered or coated in heavy-duty rust preventative (if applicable).



!WARNING
HEAVY LIFT!
Straining or crushing injury may occur from improperly lifting machine or some of its parts. To reduce this risk, get help from other people and use a forklift (or other lifting equipment) rated for weight of this machine.

NOTICE

We strongly recommend using a general-purpose silicone sealant on all mating surfaces during assembly process. For those components assembled with a rubber gasket between them, apply sealant evenly on both sides of gasket before assembly.

Tools Needed:	Qty
Open-End Wrench $\frac{9}{16}$ ", $\frac{1}{2}$ ", 5.5mm.....	1 Ea.
Wrench or Socket $\frac{9}{16}$ ", $\frac{1}{2}$ ".....	1 Ea.
Phillips Head Screwdrivers #2	2
Flat Head Screwdriver $\frac{1}{4}$ "	1
90° Square	1
Assistants for Lifting	2 or 3

To assemble dust collector:

1. Remove (1) nut from strain relief, then use nut to secure strain relief to hole in filter adapter (see **Figure 5**).

Note: Nut should face inside of filter adapter.

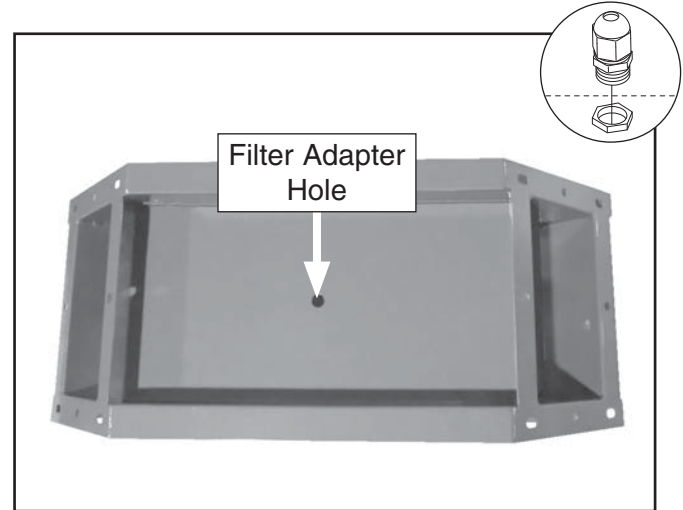


Figure 5. Location of filter adapter hole.

2. Attach filter adapter to top of filter assembly with (8) $\frac{3}{8}$ "-16 x 1" hex bolts, (8) $\frac{3}{8}$ " flat washers, and (1) filter adapter gasket (see **Figure 6**).

Note: Before attaching hardware in this step, separate $\frac{3}{8}$ " flat washers into two piles: one for thin and one for thick. Do not use thin washers until specified in **Step 34**.

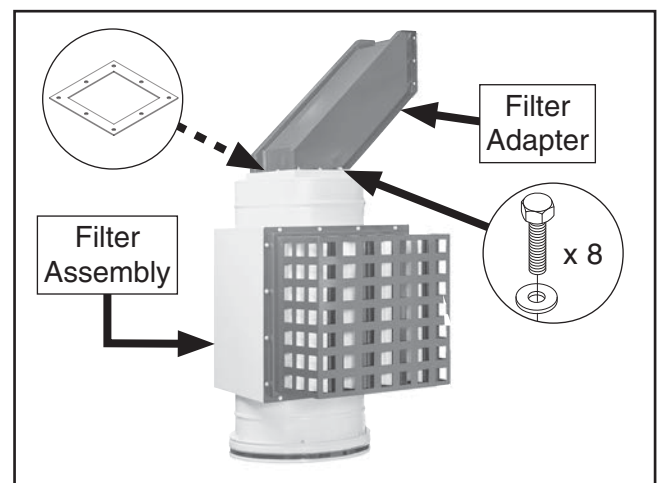


Figure 6. Filter adapter attached to filter assembly.



3. Connect upper stand legs with lower stand braces with (16) $\frac{5}{16}$ "-18 x $\frac{3}{4}$ " carriage bolts, $\frac{5}{16}$ " flat washers, and $\frac{5}{16}$ "-18 hex nuts (see **Figure 7**).

Note: Only finger tighten hardware.

Note: Build frame using bolt holes indicated in **Figures 7–8** and **16**. Machine will not fit correctly on frame if wrong holes are used, and you will need to rebuild frame.

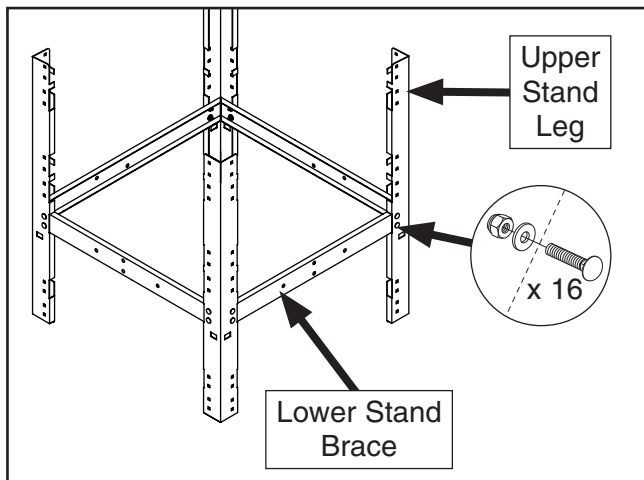


Figure 7. Upper stand legs connected to lower stand braces.

4. Attach upper stand braces to top of assembly from **Step 3**, with (16) $\frac{5}{16}$ "-18 x $\frac{3}{4}$ " carriage bolts, $\frac{5}{16}$ " flat washers, and $\frac{5}{16}$ "-18 hex nuts (see **Figure 8**).

Note: Only finger tighten hardware.

Note: Use third and fourth holes from top of stand assembly for this step.

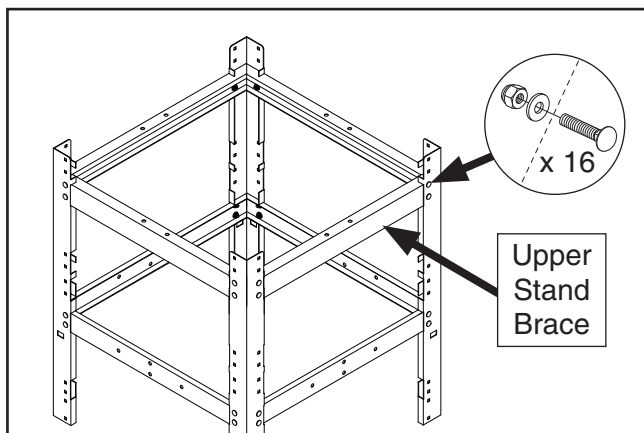


Figure 8. Upper braces attached to stand assembly.

5. Square stand, then tighten all hardware.
6. Place intake cylinder on floor and apply 3 x 6 x 1800mm foam tape to intake cylinder top rim, between mounting holes and inside edge (see **Figure 9**).

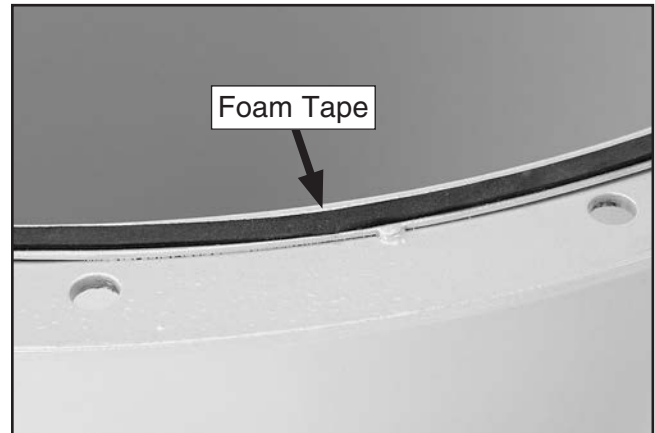


Figure 9. Foam tape applied to intake cylinder rim.

7. Place motor/blower housing on a large piece of cardboard to prevent scratches.
8. Attach intake cylinder to bottom of housing, as shown in **Figure 10**, with (4) $\frac{5}{16}$ "-18 x $\frac{3}{4}$ " hex bolts and $\frac{5}{16}$ " flat washers.

Note: Because this part of dust collector is not accessible after assembly is complete, consider using thread locker on bolts that secure intake cylinder to motor/blower housing assembly to ensure that fasteners will not come loose with vibration.

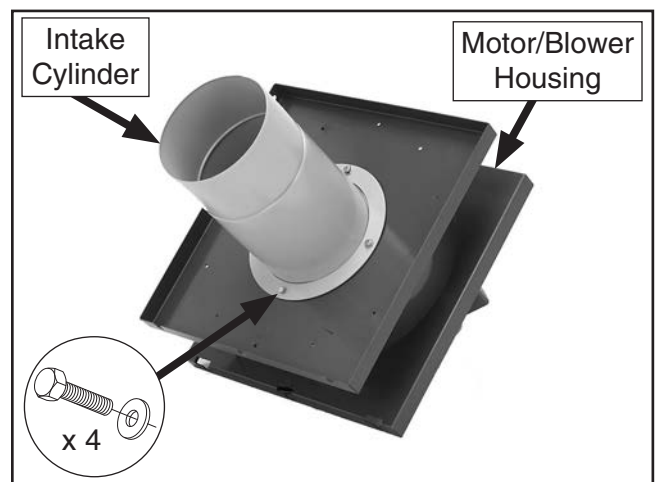


Figure 10. Intake cylinder attached to the bottom of motor housing.



9. Attach cyclone funnel to intake barrel with barrel gasket between them, as shown in **Figure 11**, with (12) $\frac{5}{16}$ "-18 x 1" hex bolts, (24) $\frac{5}{16}$ " flat washers, and (12) $\frac{5}{16}$ "-18 hex nuts.

Note: At places with three holes close together, only use center hole for this step. The two outside holes will be used in the next step.

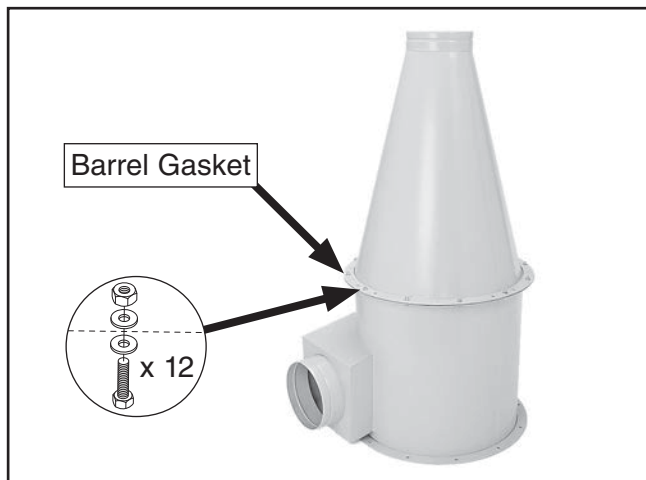


Figure 11. Cyclone funnel attached to intake barrel.

10. Attach (4) collector mounting brackets to intake assembly, as shown in **Figure 12**, with (8) $\frac{5}{16}$ "-18 x 1" hex bolts, (16) $\frac{5}{16}$ " flat washers, and (8) $\frac{5}{16}$ "-18 hex nuts.

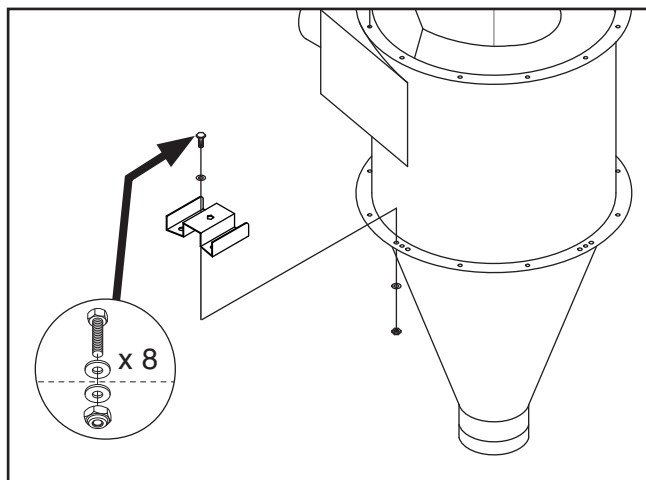


Figure 12. Collector mounting brackets and securing fasteners.

11. Place large piece of cardboard on ground to prevent scraping parts on bare floor during next steps.

12. With help of another person, lay stand assembly on its side on cardboard and slide collector assembly into stand assembly, as shown in **Figure 13**.

13. Fasten collector assembly to stand with (8) $\frac{5}{16}$ "-18 x $\frac{3}{4}$ " carriage bolts, $\frac{5}{16}$ " flat washers, and $\frac{5}{16}$ "-18 hex nuts, as shown in **Figure 13**.

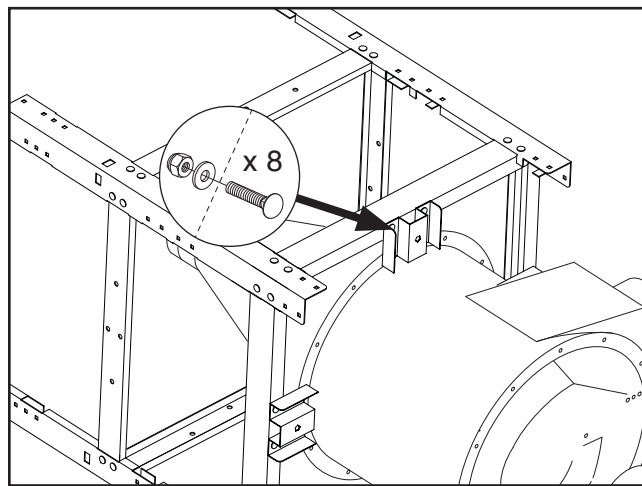
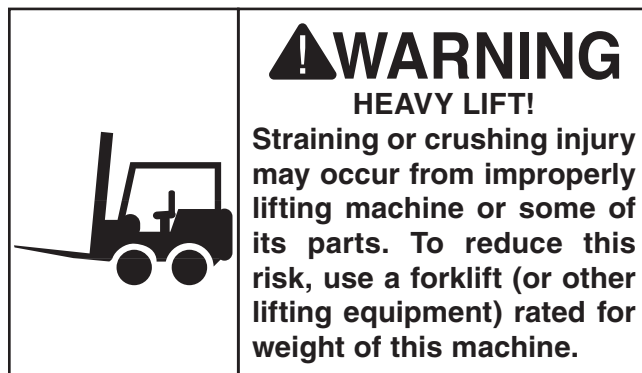


Figure 13. Collector assembly fastened to stand.

14. Lift assembly upright and rotate it so inlet/outlet directions are suitable for your shop.



15. Place remaining barrel gasket on top of intake barrel.



16. Using two punches or Phillips screwdrivers, align mounting holes, as shown in **Figure 14**, and lower assembly onto intake barrel.

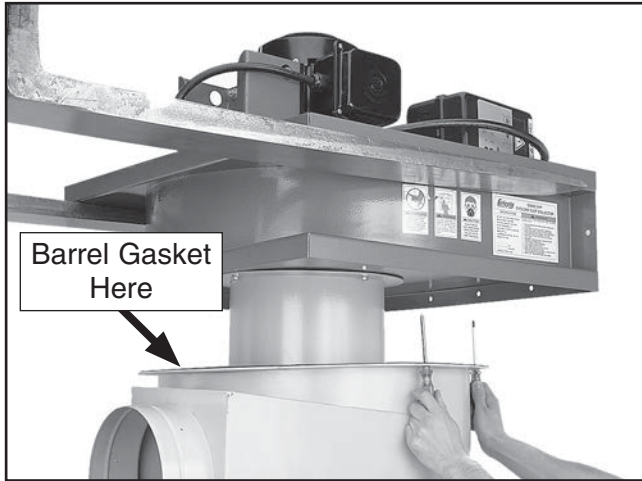


Figure 14. Aligning mounting holes.

Note: In next step, when installing two bolts above intake port, use duct tape on bottom of your wrench to hold bolts in place. This will enable you to start the bolts more easily.

17. Attach assembly to intake barrel, as shown in **Figure 15**, with (12) $\frac{5}{16}$ "-18 x $\frac{3}{4}$ " hex bolts and $\frac{5}{16}$ " flat washers.

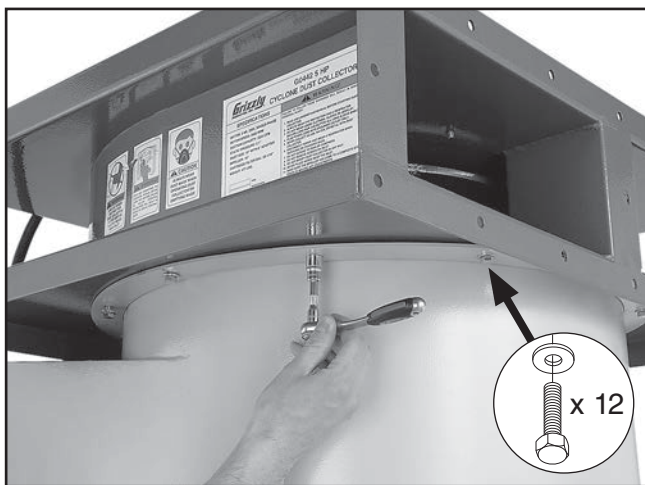


Figure 15. Securing blower on intake barrel.

18. Using forklift, raise assembly up and attach lower stand legs to upper stand legs, as shown in **Figure 16**, with (16) $\frac{5}{16}$ "-18 x $\frac{3}{4}$ " carriage bolts, $\frac{5}{16}$ " flat washers, and $\frac{5}{16}$ "-18 hex nuts.

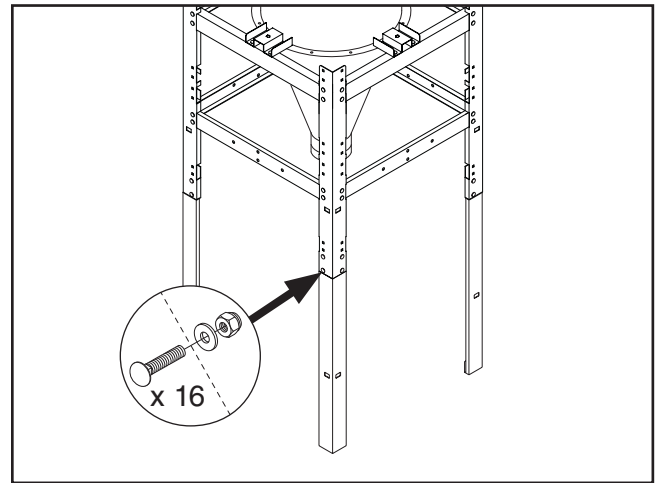


Figure 16. Attaching lower legs to the initial stand assembly.

19. Attach filter adapter rubber gasket to blower housing (see **Figure 17**), then secure HEPA filter assembly using (8) $\frac{3}{8}$ "-16 x 1" hex bolts, (16) $\frac{3}{8}$ " flat washers, and (8) $\frac{3}{8}$ "-16 hex nuts.

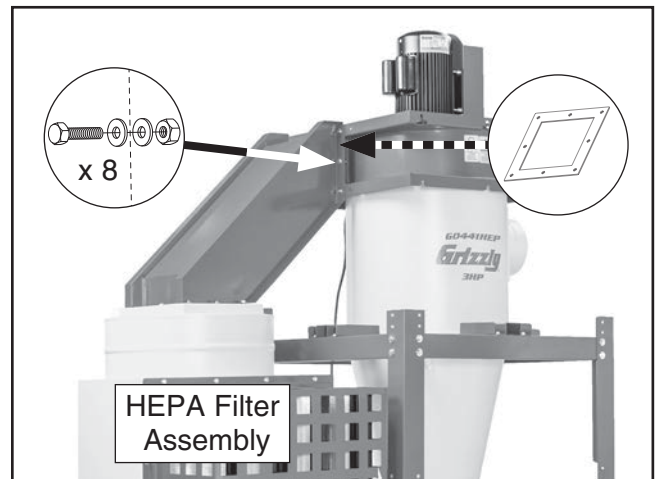


Figure 17. HEPA filter assembly attached to blower housing.

20. Apply 3 x 6 x 300mm foam tape to mating surface of cyclone vacuum port.



21. Attach vacuum port to cyclone funnel with (4) $\frac{5}{16}$ "-18 x $\frac{3}{4}$ " hex bolts and $\frac{5}{16}$ " flat washers (see **Figure 18**).
22. Attach vacuum hose to cyclone vacuum port and secure with (1) $1\frac{1}{4}$ " hose clamp (see **Figure 18**).

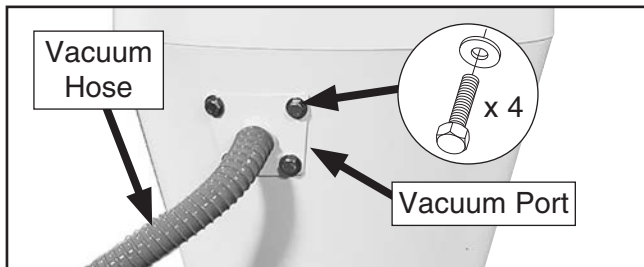


Figure 18. Cyclone vacuum tube and hose attachment.

23. Attach casters to bottom of lower collection drum, as shown in **Figure 19**, with (4) $\frac{3}{8}$ "-16 hex nuts, (8) $\frac{3}{8}$ " flat washers, and (4) $\frac{3}{8}$ " lock washers included in box with casters.
24. Attach (1) plastic collection drum handle to lower collection drum using (2) $\frac{5}{16}$ "-18 x $\frac{3}{4}$ " Phillips head screws, $\frac{5}{16}$ " fender washers, and $\frac{5}{16}$ "-18 acorn nuts (see **Figure 19**).

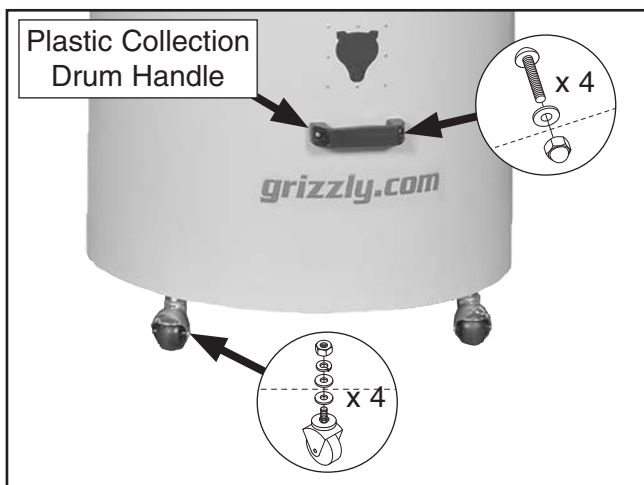


Figure 19. Casters and handle attached to lower collection drum.

25. Attach (1) plastic collection drum handle to upper collection drum using (2) $\frac{5}{16}$ "-18 x $\frac{3}{4}$ " Phillips head screws, $\frac{5}{16}$ " fender washers, and $\frac{5}{16}$ "-18 acorn nuts.

26. Place collection drum lid seal on top of upper collection drum and connect upper and lower collection drums with included metal clamp and provided hex bolt and nut, as shown in **Figure 20**.

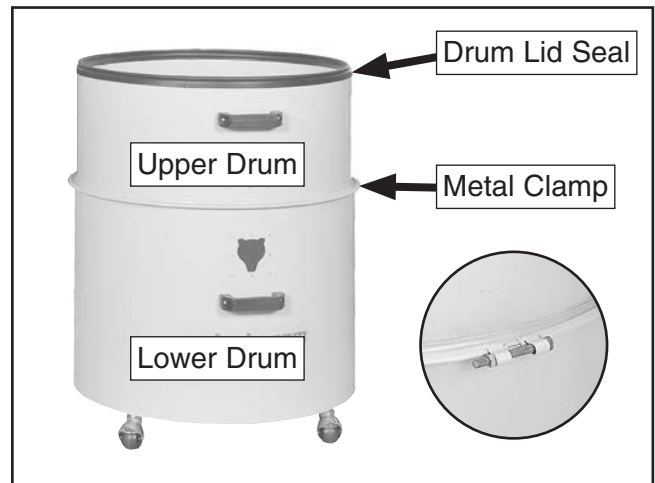


Figure 20. Drums assembled and drum lid seal installed.

27. Place collection drum vacuum ring on bottom of collection drum (see **Figure 21**).

Note: During operation, this ring and vacuum connection to cyclone funnel will prevent collection bag from collapsing.

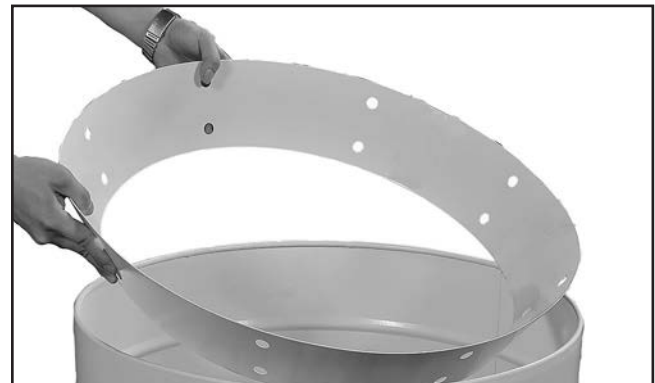


Figure 21. Example of inserting collection drum vacuum ring.

28. Install larger plastic collection bag into drum.
29. Apply 5 x 50mm foam tape to underside of drum lid where it will contact collection drum, then place collection drum lid on top of collection drum.



30. Position cyclone funnel adapter and drum lid together with (2) $\frac{3}{8}$ "-16 x 11" hex bolts, (2) drum lid springs, and (4) $\frac{3}{8}$ " flat washers, as shown in **Figure 22**.

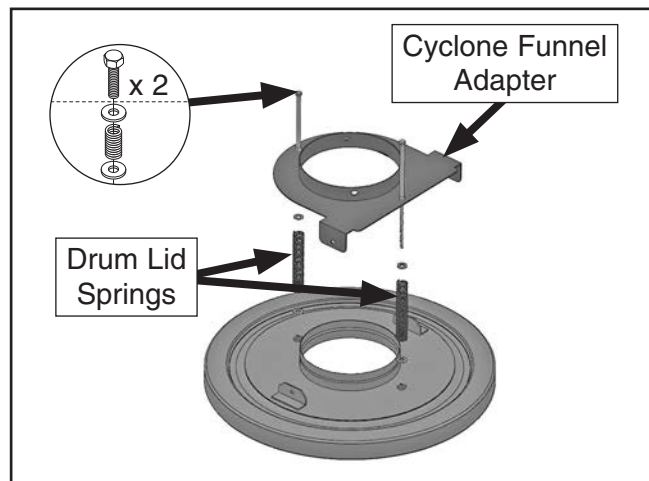


Figure 22. Installing cyclone funnel adapter.

31. Install drum lid connecting plates with (2) $\frac{3}{8}$ "-16 x 1" hex bolts, (4) $\frac{3}{8}$ " flat washers, and (2) $\frac{3}{8}$ "-16 lock nuts (see **Figure 23**).

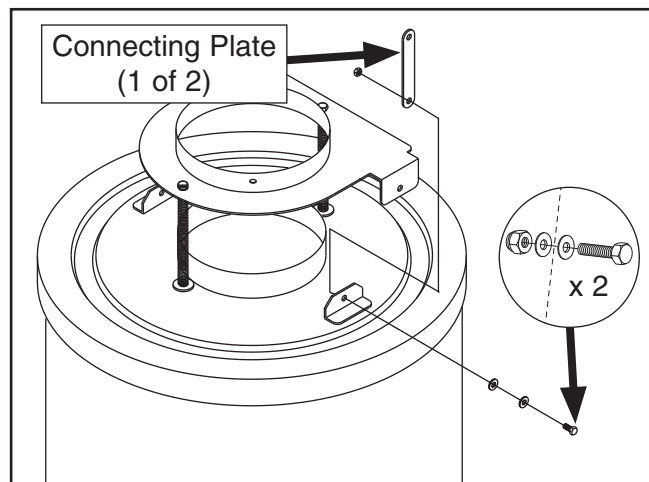


Figure 23. Installing drum lid connecting plates on drum lid.

32. Attach collection lid handle to cyclone funnel adapter and drum lid connecting plates with (4) $\frac{3}{8}$ "-16 x 1" hex bolts, (8) $\frac{3}{8}$ " flat washers, and (4) $\frac{3}{8}$ "-16 lock nuts (see **Figure 24**).

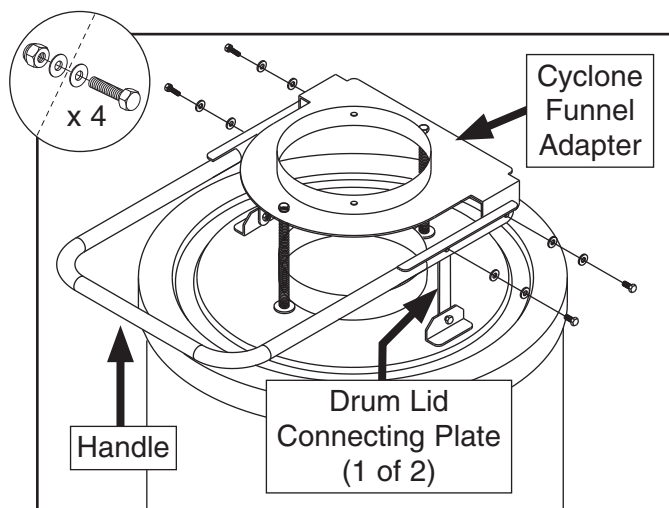


Figure 24. Collection lid handle attached to connecting plate and adapter.

33. While holding assembly in place, move collection drum assembly under cyclone assembly. Press cyclone funnel adapter and springs down to fit under cyclone funnel.
34. Align mounting holes of cyclone funnel and cyclone funnel adapter then attach with (4) $\frac{3}{8}$ "-16 x 1" hex bolts, (8) $\frac{3}{8}$ " thin flat washers, and (4) $\frac{3}{8}$ "-16 lock nuts (see **Figure 25**).

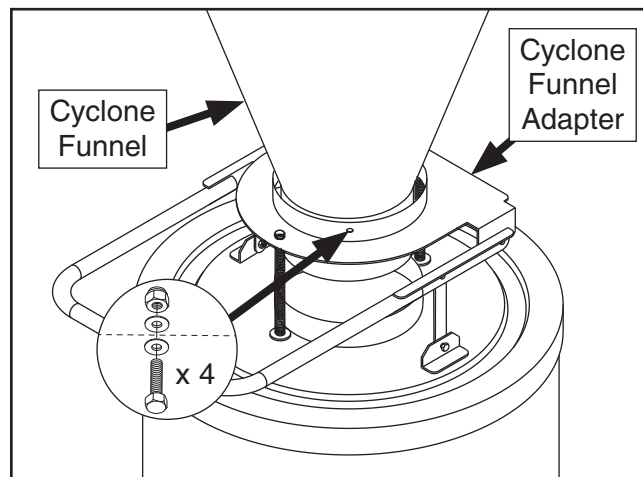


Figure 25. Cyclone funnel attached to adapter.

35. Remove collection drum from under lid, and secure hex bolts from **Step 30** with (2) $\frac{3}{8}$ "-16 lock nuts.

IMPORTANT: DO NOT overtighten. Only tighten lock nuts until they are flush with bottom of hex bolts.



36. Move collection drum back under lid.
37. Connect bottom of cyclone funnel to collection drum lid with 9" flexible hose and (2) 9" hose clamps (see **Figure 26**).

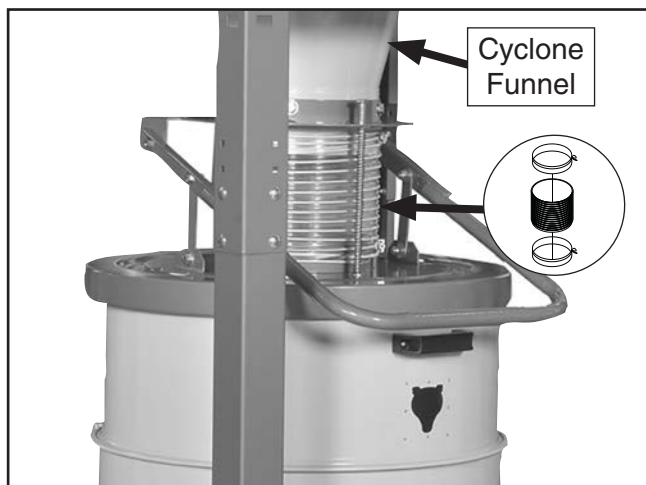


Figure 26. Cyclone funnel connected to drum lid with flexible hose.

38. Attach handle hook to handle hook base with (1) $\frac{3}{8}$ "-16 x 1" hex bolt, (2) $\frac{3}{8}$ " flat washers, and (1) $\frac{3}{8}$ "-16 lock nut (see **Figure 27**).

Note: Do not tighten nut completely to allow hook to move.

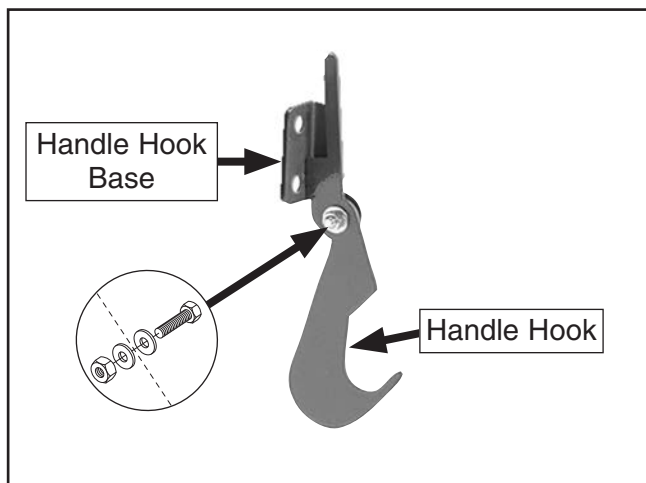


Figure 27. Handle hook attached to hook base.

39. Attach handle hook assembly to lower stand brace above collection lid handle with (2) $\frac{3}{8}$ "-16 x 1" hex bolts, (4) $\frac{3}{8}$ " flat washers, and (2) $\frac{3}{8}$ "-16 lock nuts (see **Figure 28**).

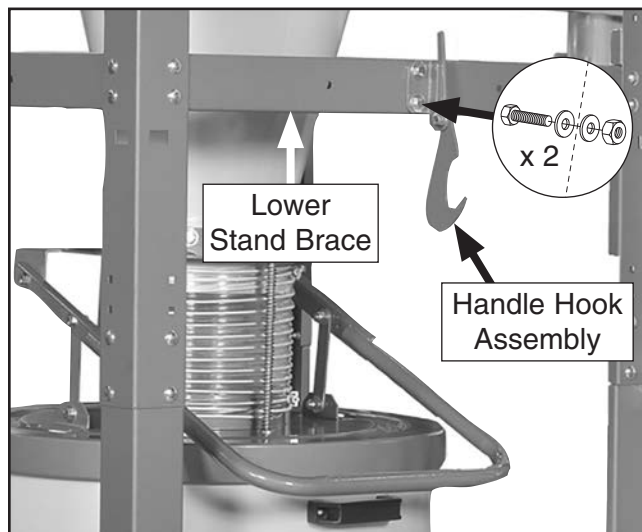


Figure 28. Handle hook assembly attached to lower stand brace.

40. Connect vacuum hose to collection drum vacuum port with (1) $1\frac{1}{4}$ " hose clamp (see **Figure 29**).

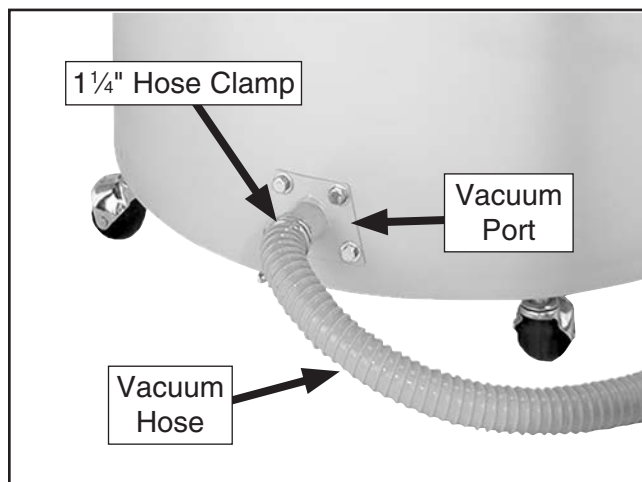


Figure 29. Vacuum hose connected to drum vacuum port.



41. Secure vacuum hose inside upper and lower stand legs with (2) U-shaped clips (see **Figure 30**).



Figure 30. Securing vacuum hose to stand legs.

42. Mount switch on stand, as shown in **Figure 31**, with (3) $\frac{3}{8}$ "-16 x $\frac{3}{4}$ " hex bolts, (6) $\frac{3}{8}$ " flat washers, and (3) $\frac{3}{8}$ "-16 hex nuts.

Note: Hand-held remote control uses IR (infrared) to communicate with control box receiver port, and must have direct line-of-sight to control box face. Locate control box with this in mind.

43. Place pressure gauge in hole on switch bracket from front (see **Figure 31**).

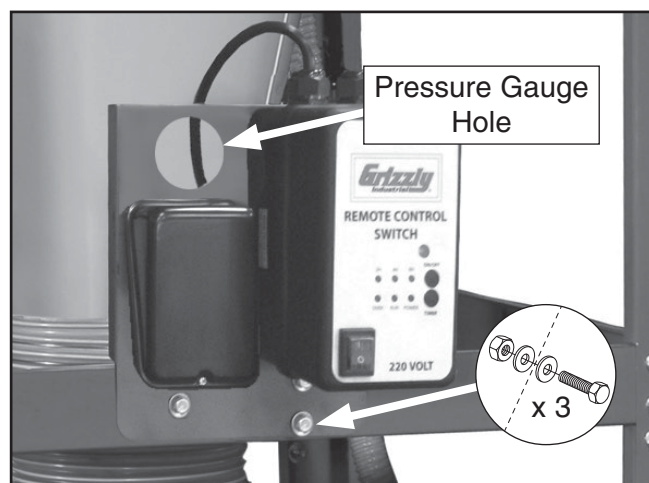


Figure 31. Switch mounted to stand.

44. Secure pressure gauge to bracket with pressure gauge mounting bracket, (2) M3-.5 x 42 slotted set screws, and (2) M3-.5 hex nuts (see **Figure 32**).

45. Connect (1) end of air hose to output on back of pressure gauge (see **Figure 32**).

Note: Output is marked with plus sign (+).

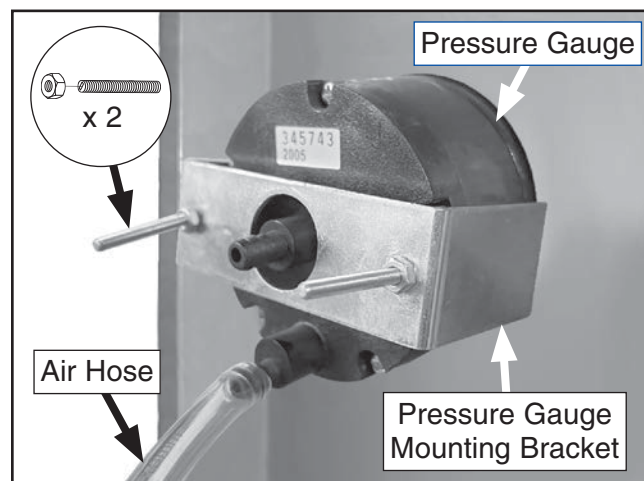


Figure 32. Pressure gauge secured to bracket with air hose connected.

46. Push other end of air hose through strain relief hole in filter adapter.
47. Slip canister collection bag around opening under canister filter and secure with metal bag clamp (see **Figure 33**).



Figure 33. Canister collection bag secured to filter.

48. Once test run is complete, use 8" dust clamp to secure woodworking machine dust hose to inlet port.



WARRANTY & RETURNS

Grizzly Industrial, Inc. warrants every product it sells for a period of **1 year** to the original purchaser from the date of purchase. This warranty does not apply to defects due directly or indirectly to misuse, abuse, negligence, accidents, repairs or alterations or lack of maintenance. This is Grizzly's sole written warranty and any and all warranties that may be implied by law, including any merchantability or fitness, for any particular purpose, are hereby limited to the duration of this written warranty. We do not warrant or represent that the merchandise complies with the provisions of any law or acts unless the manufacturer so warrants. In no event shall Grizzly's liability under this warranty exceed the purchase price paid for the product and any legal actions brought against Grizzly shall be tried in the State of Washington, County of Whatcom.

We shall in no event be liable for death, injuries to persons or property or for incidental, contingent, special, or consequential damages arising from the use of our products.

The manufacturers reserve the right to change specifications at any time because they constantly strive to achieve better quality equipment. We make every effort to ensure that our products meet high quality and durability standards and we hope you never need to use this warranty.

In the event you need to use this warranty, contact us by mail or phone and give us all the details. We will then issue you a "Return Number," which must be clearly posted on the outside as well as the inside of the carton. We will not accept any item back without this number. Proof of purchase must accompany the merchandise.

Please feel free to write or call us if you have any questions about the machine or the manual.

Thank you again for your business and continued support. We hope to serve you again soon.

To take advantage of this warranty, you must register it at <https://www.grizzly.com/forms/warranty>, or you can scan the QR code below to be automatically directed to our warranty registration page. Enter all applicable information for the product.





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MODEL G0441HEP
3 HP DUAL-FILTRATION HEPA
CYCLONE DUST COLLECTOR
MANUAL INSERT

(For owner's manual revised October, 2013)

The Model G0441HEP is the same machine as the Model G0441 except for the dual-filtration HEPA filter system and the included stand. Except for the differences noted in this insert, all other content in the Model G0440/G0441 owner's manual applies to this machine.

▲WARNING: To reduce the risk of serious injury, you **MUST** read and understand this insert—and the entire Model G0440/G0441 manual—**BEFORE** assembling, installing, or operating this machine!

If you have any further questions about this manual insert or the differences between the Model G0441HEP and the Model G0441, contact our Technical Support at (570) 546-9663 or email techsupport@grizzly.com.



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(FOR MODELS MANUFACTURED SINCE 01/15) #BB17235 PRINTED IN TAIWAN

V1.01.18



MACHINE DATA SHEET

Customer Service #: (570) 546-9663 · To Order Call: (800) 523-4777 · Fax #: (800) 438-5901

MODEL G0441HEP 3 HP DUAL-FILTRATION HEPA CYCLONE DUST COLLECTOR

Product Dimensions:

Weight..... 514 lbs.
Width (side-to-side) x Depth (front-to-back) x Height..... 60-3/4 x 33 x 107-1/2 in.
Footprint (Length x Width)..... 60-3/4 x 33 in.

Shipping Dimensions:

Carton #1

Type..... Cardbord Box on Pallet
Content..... Machine
Weight..... 353 lbs.
Length x Width x Height..... 53 x 28 x 35 in.

Carton #2

Type..... Cardboard Box
Content..... HEPA Filter Cartridge
Weight..... 117 lbs.
Length x Width x Height..... 45 x 27 x 35 in.

Carton #3

Type..... Cardboard Box
Content..... HEPA Filter Adapter
Weight..... 22 lbs.
Length x Width x Height..... 33 x 15 x 11 in.

Carton #4

Type..... Cardboard Box
Content..... Stand
Weight..... 86 lbs.
Length x Width x Height..... 40 x 14 x 7 in.

Electrical:

Power Requirement..... 220V, Single-Phase, 60 Hz
Full-Load Current Rating..... 22A
Minimum Circuit Size..... 40A
Connection Type..... Permanent (Hardwire to Shutoff Switch)
Switch Type..... Remote Control Magnetic Switch w/Overload Protection

Motors:

Main

Horsepower..... 3 HP
Phase..... Single-Phase
Amps..... 22A
Speed..... 3450 RPM
Type..... TEFC Capacitor-Start Induction (Class F)
Power Transfer Direct Drive
Bearings..... Shielded & Permanently Lubricated



Main Specifications:

Operation

Dust Collector Type.....	Two-Stage (Cyclone)
Approved Dust Types.....	Wood
Filter Type.....	Cartridge and HEPA
Airflow Performance.....	1654 CFM @ 2.0 in. SP
Max Static Pressure (at 0 CFM).....	14.2 in.
Main Inlet Size.....	8 in.
Inlet Adapter Included.....	No
Machine Collection Capacity At One Time.....	3
Maximum Material Collection Capacity.....	7.4 cu. ft.
Filtration Rating.....	99.97% @ 0.3 Micron
Filter Surface Area.....	113 sq. ft.

Bag Information

Number of Lower Bags.....	1
Lower Bag Diameter.....	19-3/4 in.

Canister Information

Number of Canister Filters.....	1
Canister Filter Diameter.....	19-11/16 in.
Canister Filter Length.....	46-1/4 in.
Collection Drum Size.....	55 Gallons

Impeller Information

Impeller Type.....	Radial Fin
Impeller Size.....	15-1/2 in.

Construction

Lower Bag.....	Clear Plastic
Canister.....	Spun Bond Polyester
Frame.....	Steel Sheet Metal (14 ga.)
Impeller.....	Steel
Paint Type/Finish.....	Powder Coated
Blower Housing.....	11-Gauge Steel
Body.....	14-Gauge Steel
Collection Drum.....	Steel

Other Specifications:

Country of Origin	Taiwan
Warranty	1 Year
Approximate Assembly & Setup Time	4 Hours
Serial Number Location	ID Label
Sound Rating	79 – 80 dB
ISO 9001 Factory	Yes
Certified by a Nationally Recognized Testing Laboratory (NRTL)	Yes



Inventory

The following is a description of the main components shipped with your machine. Lay the components out to inventory them.

Inventory (Figure 1)	Qty
A. Intake Cylinder	1
B. Cyclone Funnel	1
C. Intake Barrel	1
D. Drum Collection Bags	1
E. Motor/Blower Housing Assembly	1
F. Upper Collection Drum	1
G. Lower Collection Drum	1
H. Clear Flexible Hose 9" x 13"	1
I. Hose Clamps 9"	2
J. Collection Drum Lid	1
K. Collection Drum Seal	1
L. Foam Tape Roll 3 x 6mm	1
M. Barrel Gaskets	2
N. Outlet Gasket	1
O. Hose Clamps 1 1/4"	2
P. Vacuum Hose 1 1/4" x 98"	1
Q. Collection Drum Vacuum Ring	1
R. Cyclone Vacuum Tube	1
S. Vacuum Hose Clips	2



Figure 1. Model G0441 inventory.



T.	Canister/HEPA Filter Assembly	1
U.	Filter Adapter	1
V.	Adapter Gasket.....	1
W.	Collection Bag	1
X.	Canister Brackets	4

Hardware (not shown)

Y.	Hardware Box	Qty
—	Phillips Head Screws #10-24 x $\frac{3}{8}$ "	12
—	Hex Nuts #10-24.....	12
—	Drum Latches	3
—	Roll of Foam Tape 5 x 50mm.....	1
—	Hex Bolts $\frac{3}{8}$ "-16 x 1"	8
—	Hex Nuts $\frac{3}{8}$ "-16.....	4
—	Flat Washers $\frac{3}{8}$ ".....	24
—	Lock Washers $\frac{3}{8}$ ".....	4
—	Lock Nuts $\frac{3}{8}$ "	8
—	Hex Bolts $\frac{5}{16}$ "-18 x 1"	20
—	Hex Bolts $\frac{5}{16}$ "-18 x $\frac{3}{4}$ "	20
—	Flat Washers $\frac{5}{16}$ ".....	52
—	Hex Nuts $\frac{5}{16}$ "-18.....	20
—	Casters	4

Stand Box Contents (Figure 3)

AA.	Lower Stand Legs	4
AB.	Upper Stand Legs	4
AC.	Upper Stand Braces.....	4
AD.	Lower Stand Braces.....	4
AE.	Collector Mounting Brackets	4
AF.	Hardware Bag	
—	Hex Bolts $\frac{3}{8}$ "-16 x $\frac{3}{4}$ "	67
—	Lock Nuts $\frac{3}{8}$ "-16.....	64
—	Flat Washers $\frac{3}{8}$ ".....	134
—	Hex Nuts $\frac{3}{8}$ "-16.....	3
—	Hex Bolts $\frac{5}{16}$ "-18 x 1"	8
—	Lock Nuts $\frac{5}{16}$ "-16.....	8
—	Flat Washers $\frac{5}{16}$ ".....	16
—	Vacuum Hose Clips	2

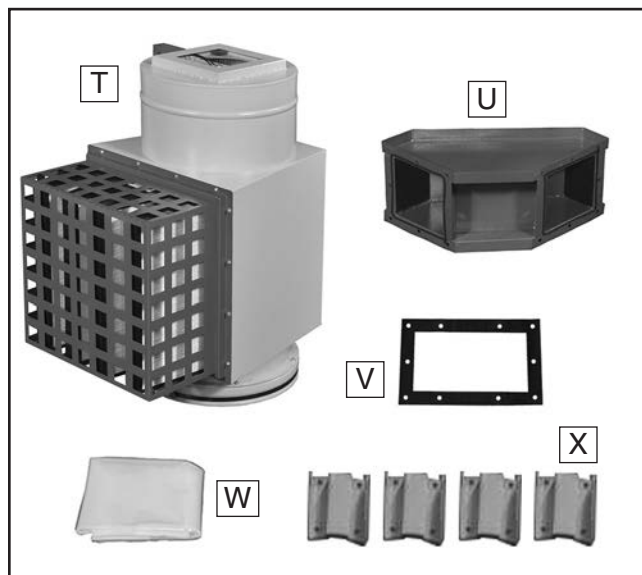


Figure 2. Contents of filter boxes.

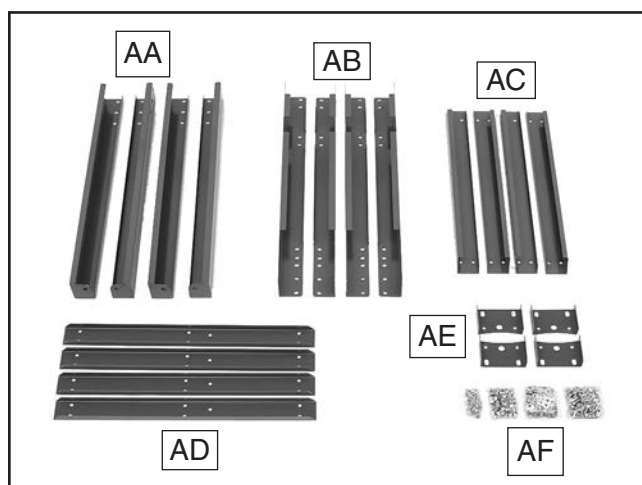


Figure 3. Contents of stand box.



Assembly

The HEPA cyclones are assembled largely the same way as the regular cyclones but with the HEPA filter components being installed in place of the regular canister filter assembly. To assemble your HEPA cyclone, open the **Assembly** section in the Owner's Manual and follow those steps only when specified below.

There are two options to consider when assembling your HEPA cyclone. You can assemble it with the included stand, or if shop space is limited, you can mount it to the wall by purchasing the optional T27326 Wall-Mount Adapter Kit.

NOTICE

To ensure the integrity of the HEPA filtration system and prevent fine dust from leaking out before it reaches the filters, we strongly recommend using a general-purpose silicone sealant on all mating surfaces during the assembly process. For those components assembled with a rubber gasket between them, apply the sealant evenly on both sides of the gasket before assembly.

Assembling with Stand

Tools Needed:	Qty
Wrenches or Sockets $\frac{9}{16}$ "	2
Wrenches or Sockets $\frac{1}{2}$ "	2
90° Square	1
Assistants for Lifting	2 or 3

To assemble dust collector:

1. Connect upper stand legs with lower braces using (16) $\frac{3}{8}$ "-16 x $\frac{3}{4}$ " hex bolts, (32) $\frac{3}{8}$ " flat washers, and (16) $\frac{3}{8}$ "-16 lock nuts (see **Figure 4**)—only finger-tighten for now.

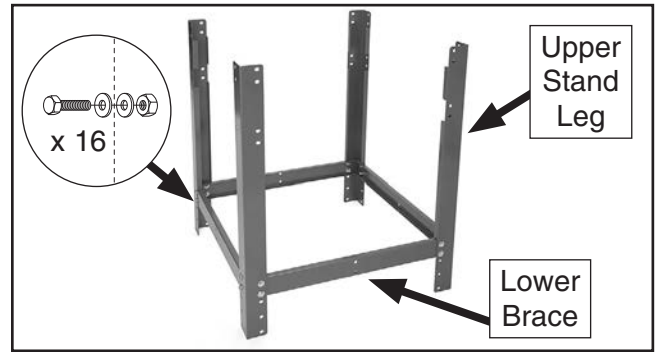


Figure 4. Initial assembly of upper stand legs connected to lower stand braces.

2. Attach upper stand braces to the assembly using (16) $\frac{3}{8}$ "-16 x $\frac{3}{4}$ " hex bolts, (32) $\frac{3}{8}$ " flat washers, and (16) $\frac{3}{8}$ "-16 lock nuts (see **Figure 5**). **Note:** Attach braces to the lower mounting position to fit under an 8' ceiling.

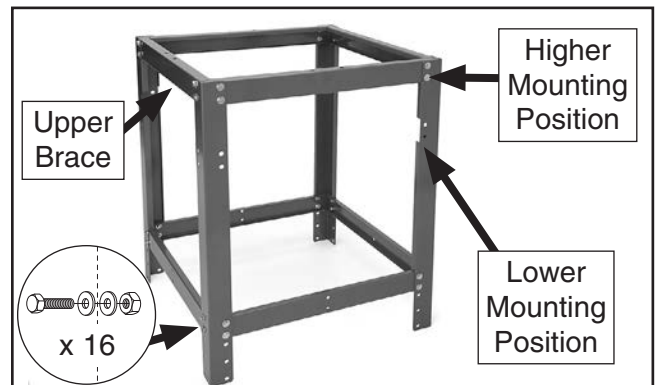


Figure 5. Upper braces attached to stand assembly.

3. Flip stand assembly upside down and install lower legs using (24) $\frac{3}{8}$ "-16 x $\frac{3}{4}$ " hex bolts, (48) $\frac{3}{8}$ " flat washers, and (24) $\frac{3}{8}$ "-16 lock nuts (see **Figure 6**).

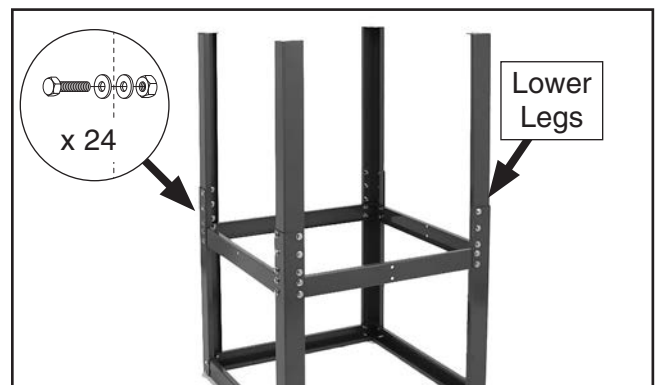


Figure 6. Lower legs attached to stand assembly.



4. Square up the stand, as shown in **Figure 7**, and tighten all nuts and bolts.

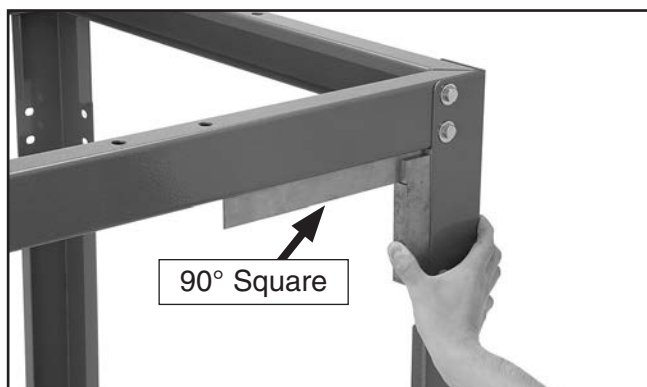


Figure 7. Squaring stand assembly before tightening stand hardware.

5. Apply foam seal tape on intake barrel, intake cylinder, cyclone barrel, and outlet port, as shown in **Figure 8**.

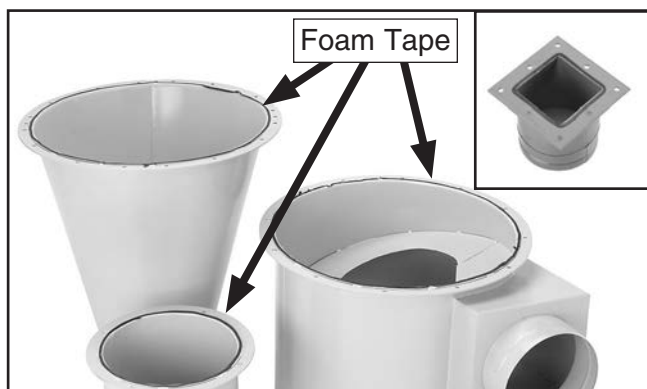


Figure 8. Foam seal tape applied to necessary components.

6. Place motor/blower housing on a large piece of cardboard to prevent scratches.
7. Attach intake cylinder to bottom of housing, as shown in **Figure 9**, using (4) $\frac{5}{16}$ "-18 x $\frac{3}{4}$ " hex bolts, (4) $\frac{5}{16}$ " flat washers, and (4) $\frac{5}{16}$ "-18 lock nuts.

Note: Because this part of the dust collector is not accessible after assembly, consider using Medium Strength Blue Thread Locker on the bolts that secure the intake cylinder to the motor/blower housing assembly to ensure that the fasteners won't come loose with vibration.

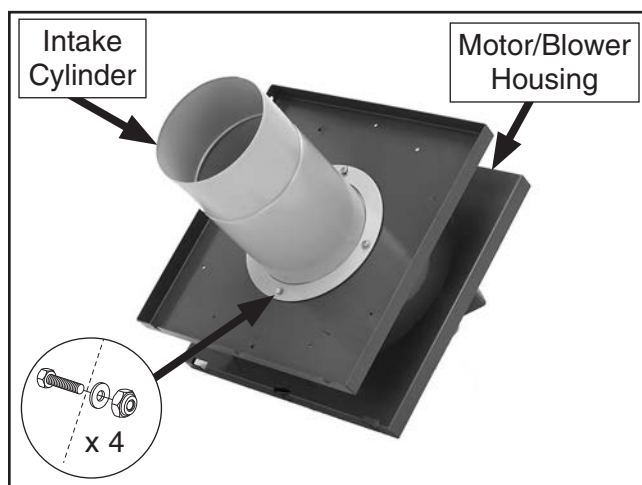


Figure 9. Intake cylinder attached to the bottom of motor housing.

8. Attach intake barrel to blower housing, as shown in **Figure 10**, with (12) $\frac{5}{16}$ "-18 x $\frac{3}{4}$ " hex bolts, (12) $\frac{5}{16}$ " flat washers, and (12) $\frac{5}{16}$ "-18 lock nuts.

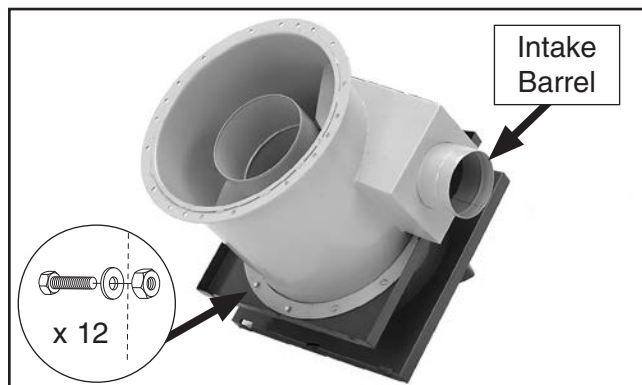


Figure 10. Securing blower on intake barrel.



9. Attach cyclone funnel to intake barrel, as shown in **Figure 11**, with (12) $\frac{5}{16}$ "-18 x 1" hex bolts, (24) $\frac{5}{16}$ " flat washers, and (12) $\frac{5}{16}$ "-18 lock nuts.

Note: At the places where you see three holes in a row, only use the center hole for this step. The two outside holes will be used in the next step.

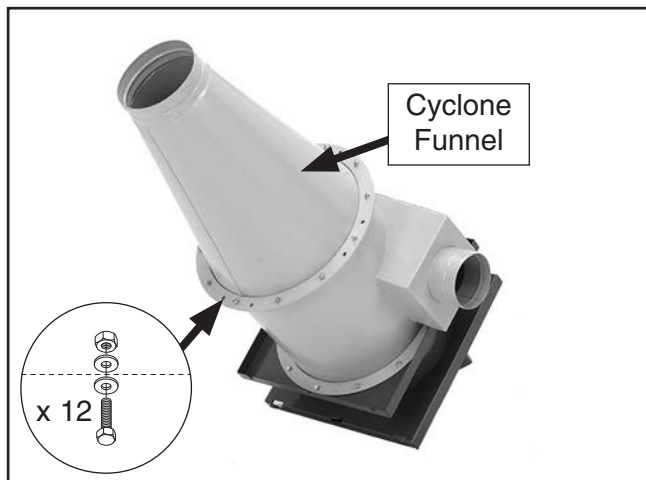


Figure 11. Cyclone funnel attached to intake barrel.

10. Attach (4) collector mounting brackets to intake assembly, as shown in **Figure 12**, using (8) $\frac{5}{16}$ "-18 x 1" hex bolts, (16) flat washers, and (8) lock nuts.

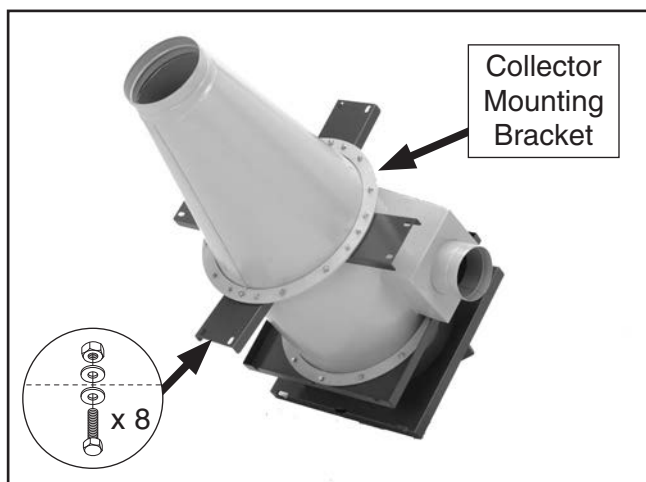


Figure 12. Collector mounting brackets attached to intake assembly.

11. Lay stand assembly on its side, on a large piece of cardboard to prevent scratches, and slide the collector assembly into stand assembly.

12. Fasten the collector assembly to the stand with (8) $\frac{3}{8}$ "-16 x 1" hex bolts, (16) $\frac{3}{8}$ " flat washers, and (8) $\frac{3}{8}$ "-16 lock nuts, as shown in **Figure 13**.

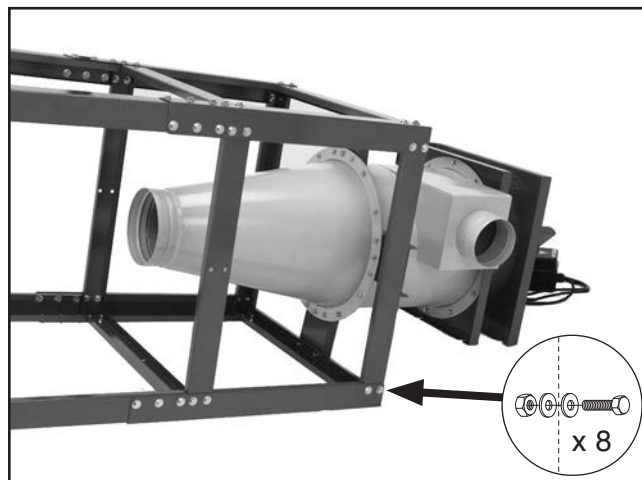


Figure 13. Collector assembly fastened to the stand.

13. Pivot the dust collector upright by having two or three strong helpers lift motor end while one person keeps the stand end from sliding or rocking.



Figure 14. Lifting the assembly upright.



14. Pull off front cover of the switch box, remove remote control and spare grommets, and push front cover back on.

15. Mount switch bracket on the stand, as shown in **Figure 15**, with (2) $\frac{3}{8}$ "-16 x $\frac{3}{4}$ " hex bolts, (4) $\frac{3}{8}$ " flat washers, and (2) $\frac{3}{8}$ "-16 lock nuts.

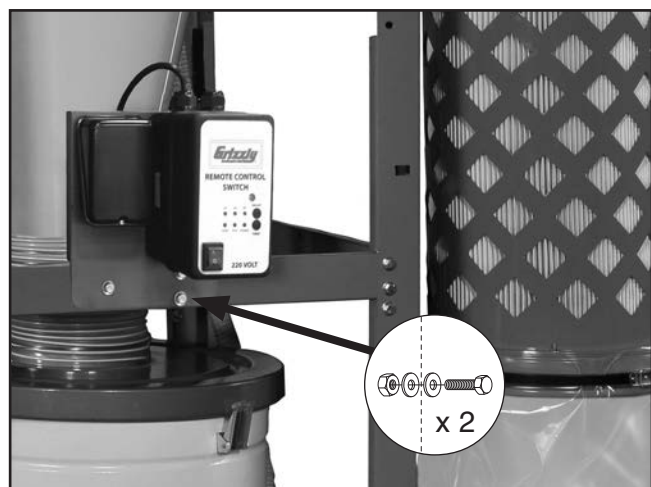


Figure 15. Switch bracket mounted to stand.

16. Secure vacuum hose inside upper and lower stand legs with (2) U-shaped clips (see **Figure 16**).

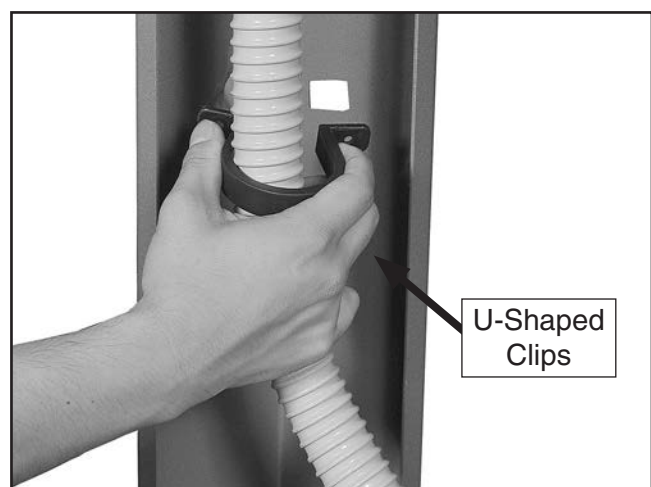


Figure 16. Securing vacuum hose to stand legs.

16. Follow assembly instruction **Steps 10** in owners manual.

17. Attach rubber gasket to top of HEPA filter housing (see **Figure 17**), then secure filter adapter to housing using (8) $\frac{5}{16}$ "-18 x 1" hex bolts and (8) $\frac{5}{16}$ " flat washers.

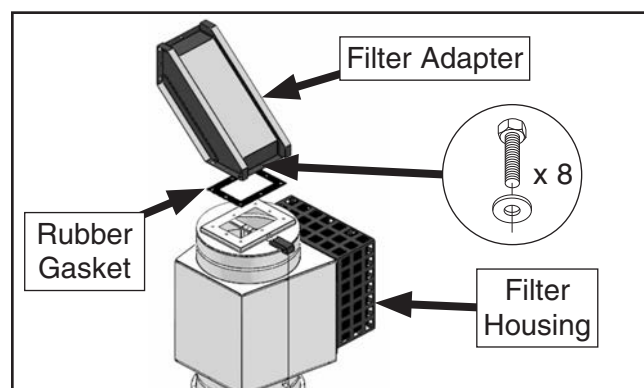


Figure 17. Attaching filter adapter to filter housing.

18. Attach rubber gasket to blower housing (see **Figure 18**), then secure HEPA filter assembly using (8) $\frac{3}{8}$ "-16 x 1" hex bolts, (8) $\frac{3}{8}$ " hex nuts and (16) $\frac{3}{8}$ " flat washers.

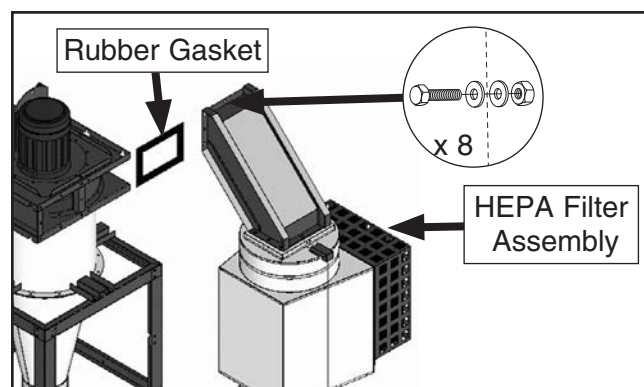


Figure 18. Attaching HEPA filter assembly to blower housing.

19. Follow assembly **Steps 14–21** in Owner's Manual to assemble collection drum.



20. Slip plastic collection bag around opening under canister filter, and secure with metal bag clamp (see **Figure 19**).

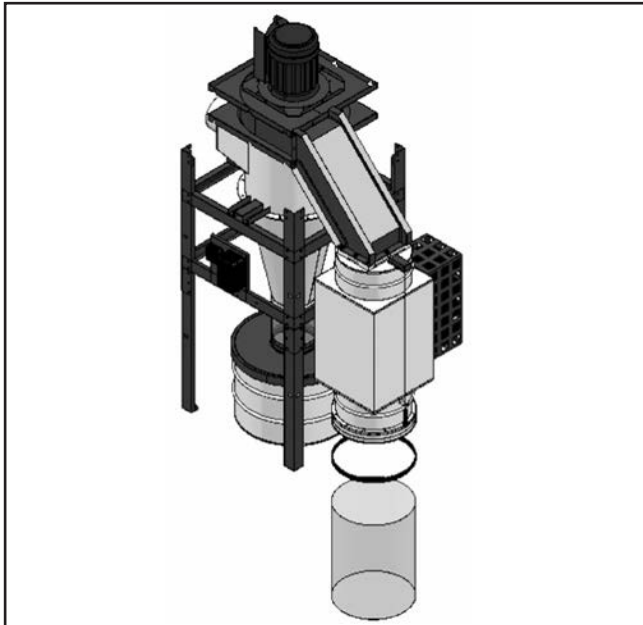


Figure 19. Installing collection bag under HEPA filter.

21. Double-check that all nuts and bolts are tightened. Congratulations, the assembly is complete.

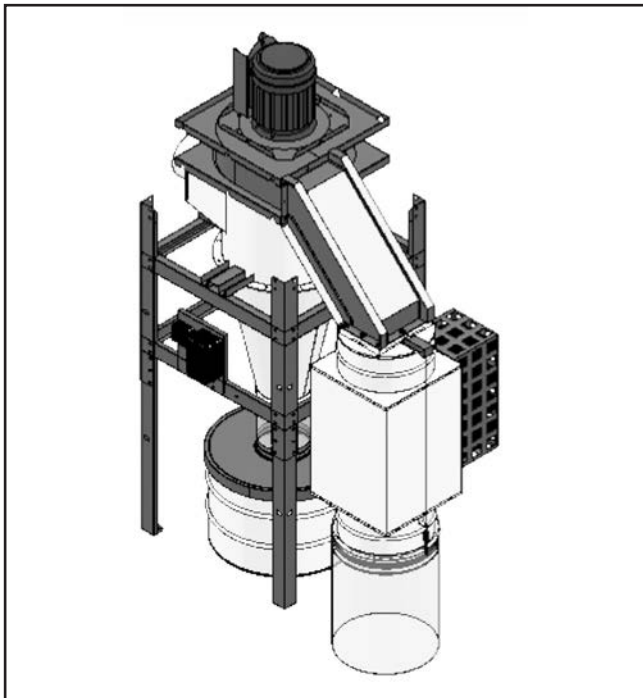


Figure 20. G0441HEP filter system completely installed.

Assembling with Wall-Mount Option

1. Follow **Steps 1–5** in **Assembly** section, beginning on **Page 19** of Owner's Manual. In **Step 5**, replace original intake barrel brace with the extended brace provided with T27326 Wall-Mount Adapter Kit for HEPA Upgrade (see **Figure 21**).

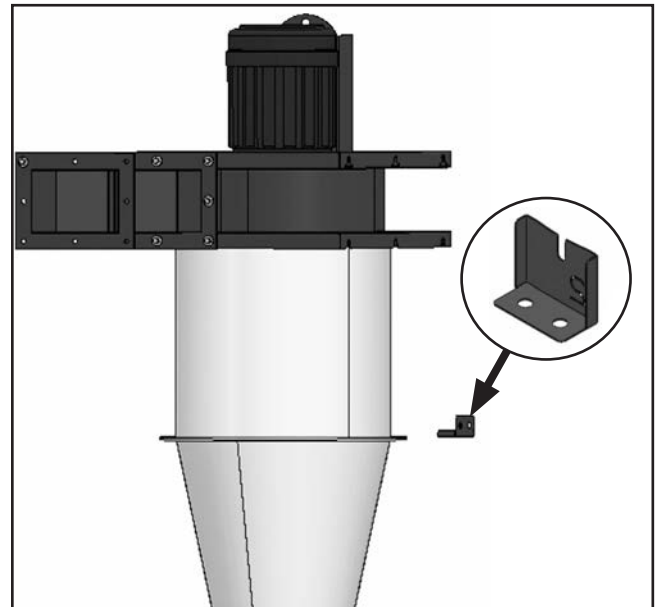


Figure 21. Extended brace included with T27326 wall-mount kit.

2. Follow assembly **Steps 6–10** in Owner's Manual.
3. Attach adapter gasket and wall-mount adapter using (8) $\frac{3}{8}$ "-16 x 1" hex bolts, (8) $\frac{3}{8}$ " hex nuts, and (16) $\frac{3}{8}$ " flat washers (see **Figure 22**).

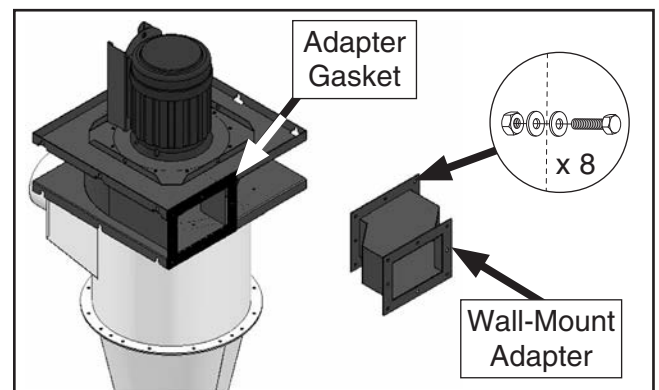


Figure 22. Attaching wall-mount adapter.



4. Attach rubber gasket to top of HEPA filter housing (see **Figure 23**), then secure filter adapter to housing using (8) $\frac{5}{16}$ "-18 x 1" hex bolts and (8) $\frac{5}{16}$ " flat washers.

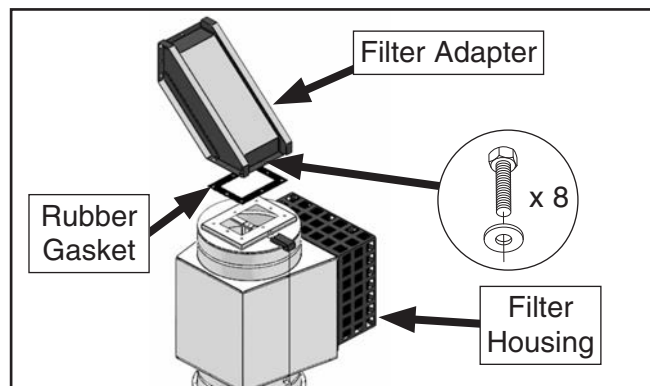


Figure 23. Attaching filter adapter to filter housing (wall-mount).

5. Attach rubber gasket to wall-mount adapter (see **Figure 24**), then secure HEPA filter assembly using (8) $\frac{3}{8}$ "-16 x 1" hex bolts, (8) $\frac{3}{8}$ " hex nuts and (16) $\frac{3}{8}$ " flat washers.

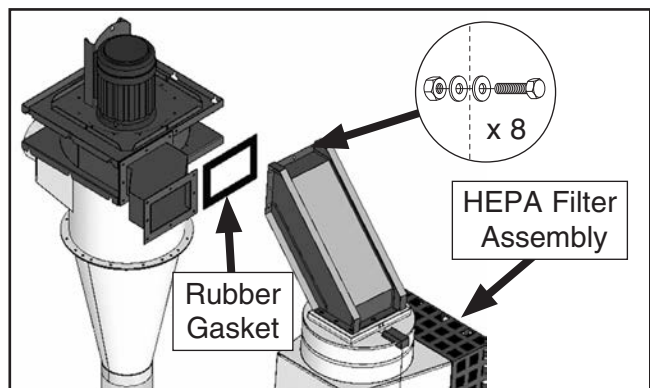


Figure 24. Attaching HEPA filter assembly to wall-mount adapter.

6. Follow assembly **Steps 14–21** in Owner's Manual to assemble collection drum.

7. Slip plastic collection bag around opening under canister filter, and secure with metal bag clamp (see **Figure 25**).

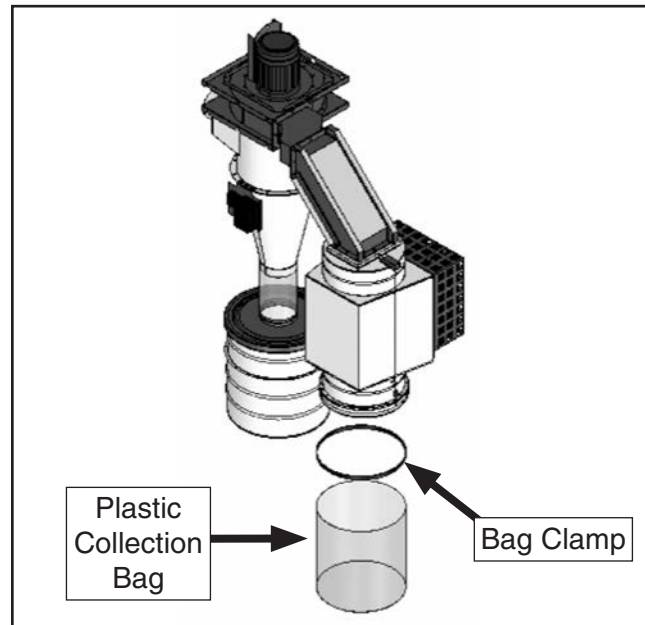


Figure 25. Installing collection bag under HEPA filter assembly.

8. Double-check that all nuts and bolts are tightened. Congratulations, the assembly is complete.

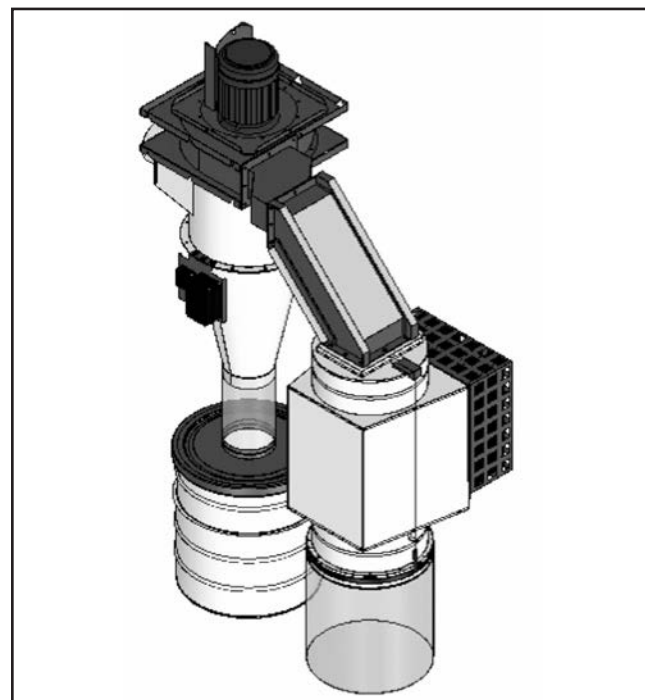
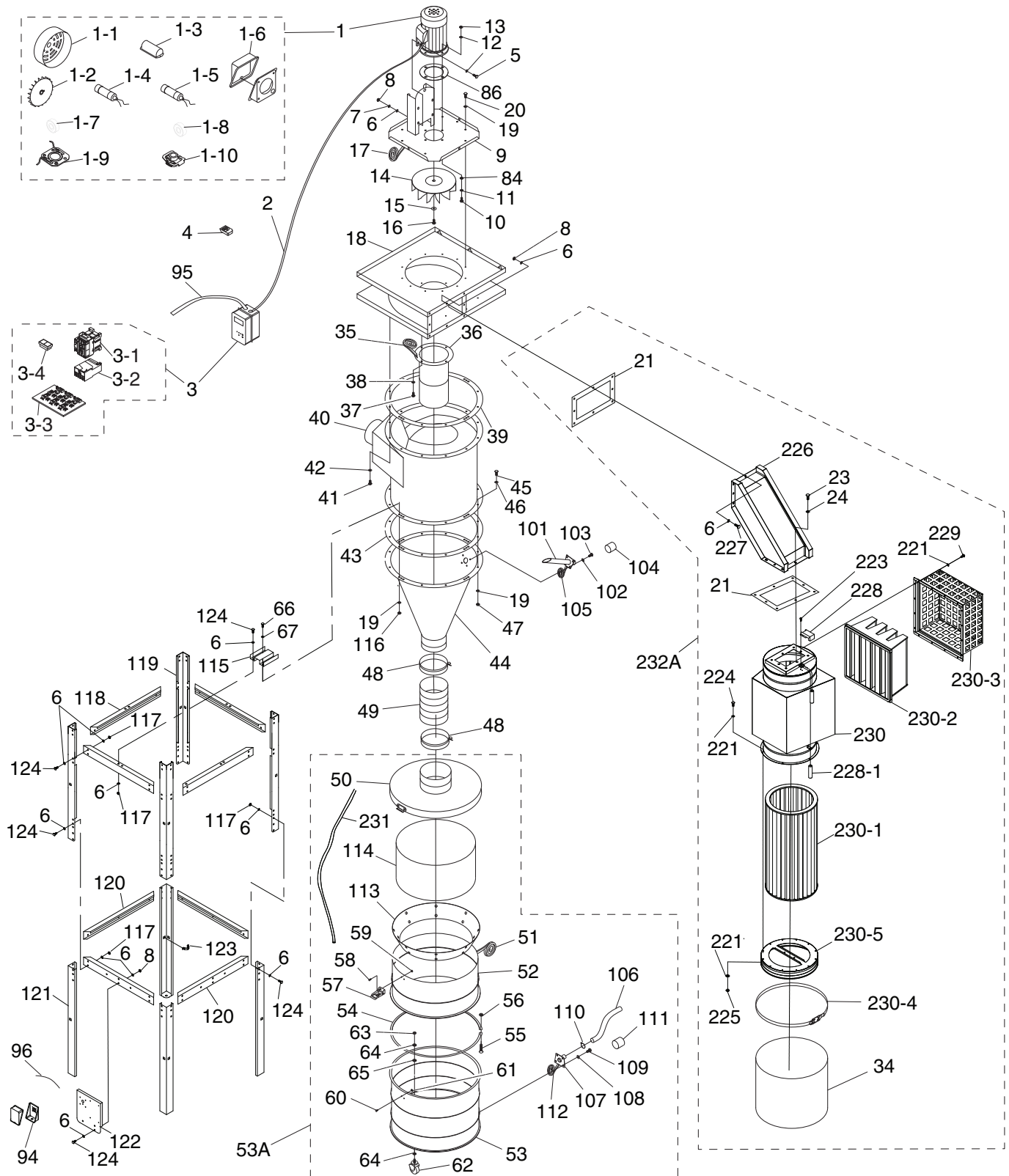


Figure 26. G0441HEP wall-mount filter system completely installed.



Main



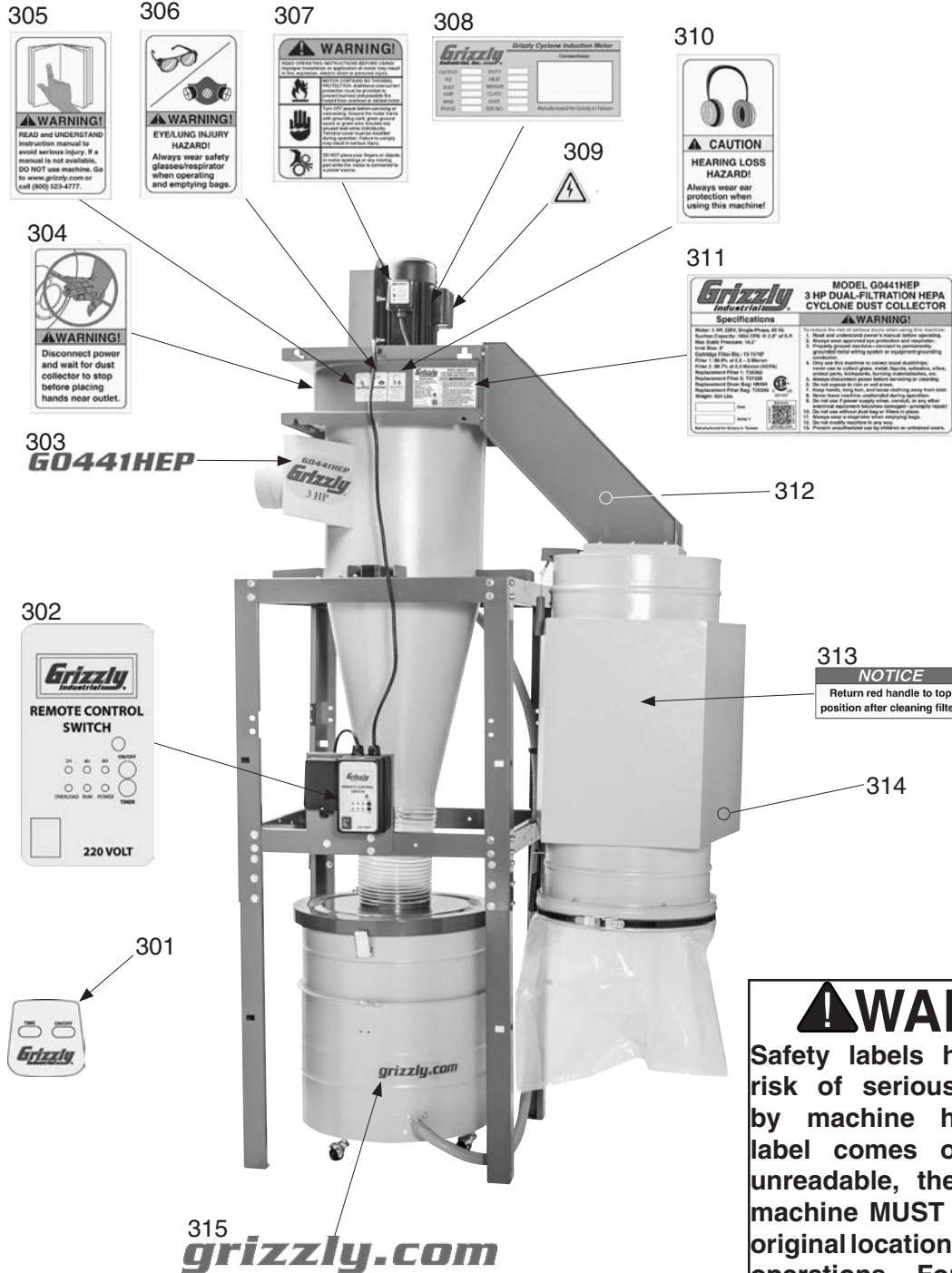
Main Parts List

REF	PART #	DESCRIPTION
1	P0441HEP001	MOTOR 3HP 220V 1-PH
1-1	P0441HEP001-1	MOTOR FAN COVER
1-2	P0441HEP001-2	MOTOR FAN
1-3	P0441HEP001-3	CAPACITOR COVER
1-4	P0441HEP001-4	S CAPACITOR 600M 125V 1-3/4 X 3-3/4
1-5	P0441HEP001-5	R CAPACITOR 60M 300V 1-5/8 X 3-1/2
1-6	P0441HEP001-6	JUNCTION BOX
1-7	P0441HEP001-7	BALL BEARING 6205ZZ
1-8	P0441HEP001-8	BALL BEARING 6203ZZ
1-9	P0441HEP001-9	CONTACT PLATE
1-10	P0441HEP001-10	CENTRIFUGAL SWITCH 3450
2	P0441HEP002	MOTOR CORD 12G 3C
3	P0441HEP003	REMOTE MAG SWITCH 220V
3-1	P0441HEP003-1	CONTACTOR NHD C-18D 220V
3-2	P0441HEP003-2	OL RELAY NHD NTH-25 21-25A
3-3	P0441HEP003-3	CIRCUIT BOARD 220V W/TRANSFORMER
3-4	P0441HEP003-4	ON/OFF SWITCH 110/220V
4	P0441HEP004	REMOTE CONTROLLER
5	P0441HEP005	HEX BOLT 3/8-16 X 1-1/2
6	P0441HEP006	FLAT WASHER 3/8
7	P0441HEP007	LOCK WASHER 3/8
8	P0441HEP008	HEX NUT 3/8-16
9	P0441HEP009	BLOWER COVER
10	P0441HEP010	HEX BOLT 3/8-16 X 1-1/2
11	P0441HEP011	FLAT WASHER 3/8
12	P0441HEP012	LOCK WASHER 3/8
13	P0441HEP013	HEX NUT 3/8-16
14	P0441HEP014	IMPELLER 15-1/2"
15	P0441HEP015	IMPELLER FENDER WASHER 3/8
16	P0441HEP016	HEX BOLT 3/8-16 X 1 LH
17	P0441HEP017	FOAM TAPE 3 X 6 X 1600MM
18	P0441HEP018	BLOWER HOUSING
19	P0441HEP019	FLAT WASHER 5/16
20	P0441HEP020	HEX BOLT 5/16-18 X 3/4
21	P0441HEP021	OUTLET GASKET 326 X 226MM
23	P0441HEP023	HEX BOLT 5/16-18 X 1
24	P0441HEP024	FLAT WASHER 5/16
34	P0441HEP034	PLASTIC BAG 570 X 600MM
35	P0441HEP035	FOAM TAPE 3 X 6 X 1600MM
36	P0441HEP036	INTAKE CYLINDER 10"
37	P0441HEP037	HEX BOLT 5/16-18 X 3/4
38	P0441HEP038	FLAT WASHER 5/16
39	P0441HEP039	BARREL GASKET 584MM DIA.
40	P0441HEP040	INTAKE BARREL 20"
41	P0441HEP041	HEX BOLT 5/16-18 X 3/4
42	P0441HEP042	FLAT WASHER 5/16
43	P0441HEP043	BARREL GASKET 584MM DIA.
44	P0441HEP044	CYCLONE FUNNEL 20"
45	P0441HEP045	HEX BOLT 5/16-18 X 1
46	P0441HEP046	FLAT WASHER 5/16
47	P0441HEP047	HEX NUT 5/16-18
48	P0441HEP048	HOSE CLAMP 9"
49	P0441HEP049	CLEAR FLEX PIPE 9" X 340MM
50	P0441HEP050	COLLECTION DRUM LID
51	P0441HEP051	DRUM SEAL TYPE-R 2M
52	P0441HEP052	UPPER DRUM 20GAL
53A	P0441HEP053A	COLLECTION DRUM ASSY 55GAL
53	P0441HEP053	COLLECTION DRUM 35GAL
54	P0441HEP054	DRUM CLAMP

REF	PART #	DESCRIPTION
55	P0441HEP055	HEX BOLT 5/16-18 X 3
56	P0441HEP056	HEX NUT 5/16-18
57	P0441HEP057	DRUM LID LATCH ASSEMBLY
58	P0441HEP058	PHLP HD SCR 10-24 X 3/8
59	P0441HEP059	HEX NUT 10-24
60	P0441HEP060	PHLP HD SCR 10-24 X 3/8
61	P0441HEP061	HEX NUT 10-24
62	P0441HEP062	CASTER 2"
63	P0441HEP063	HEX NUT 3/8-16
64	P0441HEP064	LOCK WASHER 3/8
65	P0441HEP065	FLAT WASHER 3/8
66	P0441HEP066	HEX BOLT 5/16-18 X 1
67	P0441HEP067	FLAT WASHER 5/16
84	P0441HEP084	EXT TOOTH WASHER 3/8
86	P0441HEP086	MOTOR MOUNT GASKET
94	P0441HEP094	JUNCTION BOX
95	P0441HEP095	JUNCTION BOX CORD 12G 3C 12"
96	P0441HEP096	GROUNDING WIRE 12G 6" (GREEN)
101	P0441HEP101	CYCLONE VACUUM TUBE
102	P0441HEP102	FLAT WASHER 5/16
103	P0441HEP103	HEX BOLT 5/16-18 X 3/4
104	P0441HEP104	TUBE PLUG 1-1/4"
105	P0441HEP105	FOAM TAPE 3 X 6 X 300MM
106	P0441HEP106	VACUUM HOSE 1-1/4" X 98"
107	P0441HEP107	COLLECTION DRUM VACUUM TUBE
108	P0441HEP108	FLAT WASHER 5/16
109	P0441HEP109	HEX BOLT 5/16-18 X 3/4
110	P0441HEP110	HOSE CLAMP 1-1/4"
111	P0441HEP111	TUBE PLUG 1-1/4"
112	P0441HEP112	FOAM TAPE 3 X 6 X 300MM
113	P0441HEP113	COLLECTION DRUM VACUUM RING
114	P0441HEP114	DRUM COLLECTION BAG 640 X 1200MM
115	P0441HEP115	MOUNTING BRACKET
116	P0441HEP116	LOCK NUT 5/16-18
117	P0441HEP117	LOCK NUT 3/8-16
118	P0441HEP118	UPPER STAND BRACE
119	P0441HEP119	UPPER STAND LEG
120	P0441HEP120	LOWER STAND BRACE
121	P0441HEP121	LOWER STAND LEG
122	P0441HEP122	STAND SWITCH BRACKET
123	P0441HEP123	VACUUM HOSE CLIP 2-1/2"
124	P0441HEP124	HEX BOLT 3/8-16 X 3/4
221	P0441HEP221	FLAT WASHER 1/4
223	P0441HEP223	TAP SCREW M4 X 12
224	P0441HEP224	PHLP HD SCR 1/4-20 X 3/4
225	P0441HEP225	HEX NUT 1/4-20
226	P0441HEP226	FILTER ADAPTER
227	P0441HEP227	HEX BOLT 3/8-16 X 1
228	P0441HEP228	PULL WIRE RAIL COVER
228-1	P0441HEP228-1	PULL WIRE
229	P0441HEP229	HEX BOLT 1/4-20 X 3/4
230	P0441HEP230	HEPA FILTER HOUSING
230-1	P0441HEP230-1	HEPA OUTER FILTER
230-2	P0441HEP230-2	HEPA FILTER 595 X 595 X 292MM
230-3	P0441HEP230-3	HEPA FILTER CAGE 595 X 595, GREEN
230-4	P0441HEP230-4	BAG CLAMP 445MM
230-5	P0441HEP230-5	HEPA FILTER BOTTOM PLATE
231	P0441HEP231	DRUM LID PVC RUBBER SEAL 2M
232A	P0441HEP232A	HEPA FILTER KIT



G0441HEP Labels & Cosmetics



!WARNING

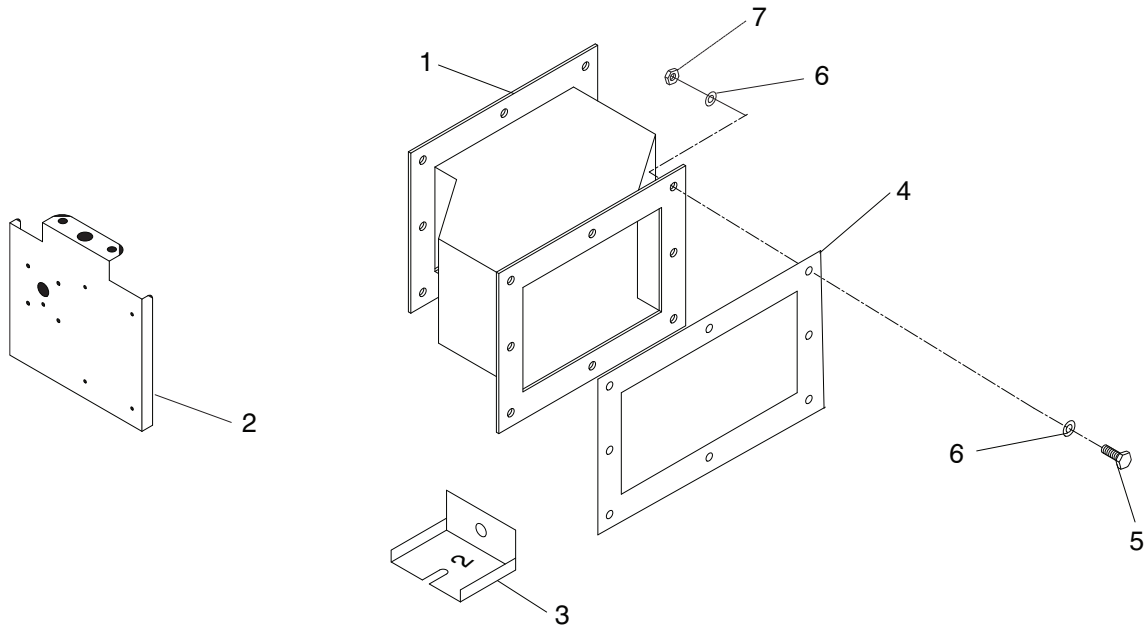
Safety labels help reduce the risk of serious injury caused by machine hazards. If any label comes off or becomes unreadable, the owner of this machine **MUST** replace it in the original location before resuming operations. For replacements, contact (800) 523-4777 or www.grizzly.com.

REF	PART #	DESCRIPTION
301	P0441HEP301	REMOTE CONTROL LABEL
302	P0441HEP302	CONTROL PANEL LABEL
303	P0441HEP303	MODEL NUMBER LABEL
304	P0441HEP304	HANDS/DUST COLLECTOR OUTLET LABEL
305	P0441HEP305	READ MANUAL LABEL 2W X 3.3H
306	P0441HEP306	GLASSES/RESPIRATOR DC LABEL
307	P0441HEP307	MOTOR WARNING LABEL
308	P0441HEP308	MOTOR SPEC LABEL

REF	PART #	DESCRIPTION
309	P0441HEP309	ELECTRICITY LABEL 1.4W X 1.2H
310	P0441HEP310	EAR PROTECTION LABEL 1.5W X 2.5H
311	P0441HEP311	MACHINE ID LABEL CSA
312	P0441HEP312	GRIZZLY GREEN TOUCH-UP PAINT
313	P0441HEP313	RETURN RED HANDLE LABEL
314	P0441HEP314	GRIZZLY PUTTY TOUCH-UP PAINT
315	P0441HEP315	GRIZZLY.COM LABEL



T27326 Wall-Mount Adapter Kit Parts List



REF	PART #	DESCRIPTION
1	PT27326001	WALL MOUNT ADAPTER
2	PT27326002	SWITCH MOUNTING BRACKET
3	PT27326003	INTAKE BARREL BRACE, EXTENDED
4	PT27326004	OUTLET GASKET 326 X 226MM

REF	PART #	DESCRIPTION
5	PT23726005	HEX BOLT 3/8-16 X 1
6	PT23726006	FLAT WASHER 3/8
7	PT23726007	HEX NUT 3/8-16





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Grizzly ***Industrial, Inc.***®

MODEL G0440/G0441

2 HP & 3 HP

CYCLONE DUST COLLECTORS

OWNER'S MANUAL

(For models manufactured since 03/12)



Model G0441 Shown
With Optional Stand



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**WARNING: NO PORTION OF THIS MANUAL MAY BE REPRODUCED IN ANY SHAPE
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#TR7027 PRINTED IN TAIWAN

V6.10.13



WARNING!

This manual provides critical safety instructions on the proper setup, operation, maintenance, and service of this machine/tool. Save this document, refer to it often, and use it to instruct other operators.

Failure to read, understand and follow the instructions in this manual may result in fire or serious personal injury—including amputation, electrocution, or death.

The owner of this machine/tool is solely responsible for its safe use. This responsibility includes but is not limited to proper installation in a safe environment, personnel training and usage authorization, proper inspection and maintenance, manual availability and comprehension, application of safety devices, cutting/sanding/grinding tool integrity, and the usage of personal protective equipment.

The manufacturer will not be held liable for injury or property damage from negligence, improper training, machine modifications or misuse.



WARNING!

Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- **Lead from lead-based paints.**
- **Crystalline silica from bricks, cement and other masonry products.**
- **Arsenic and chromium from chemically-treated lumber.**

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: Work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.

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Identification

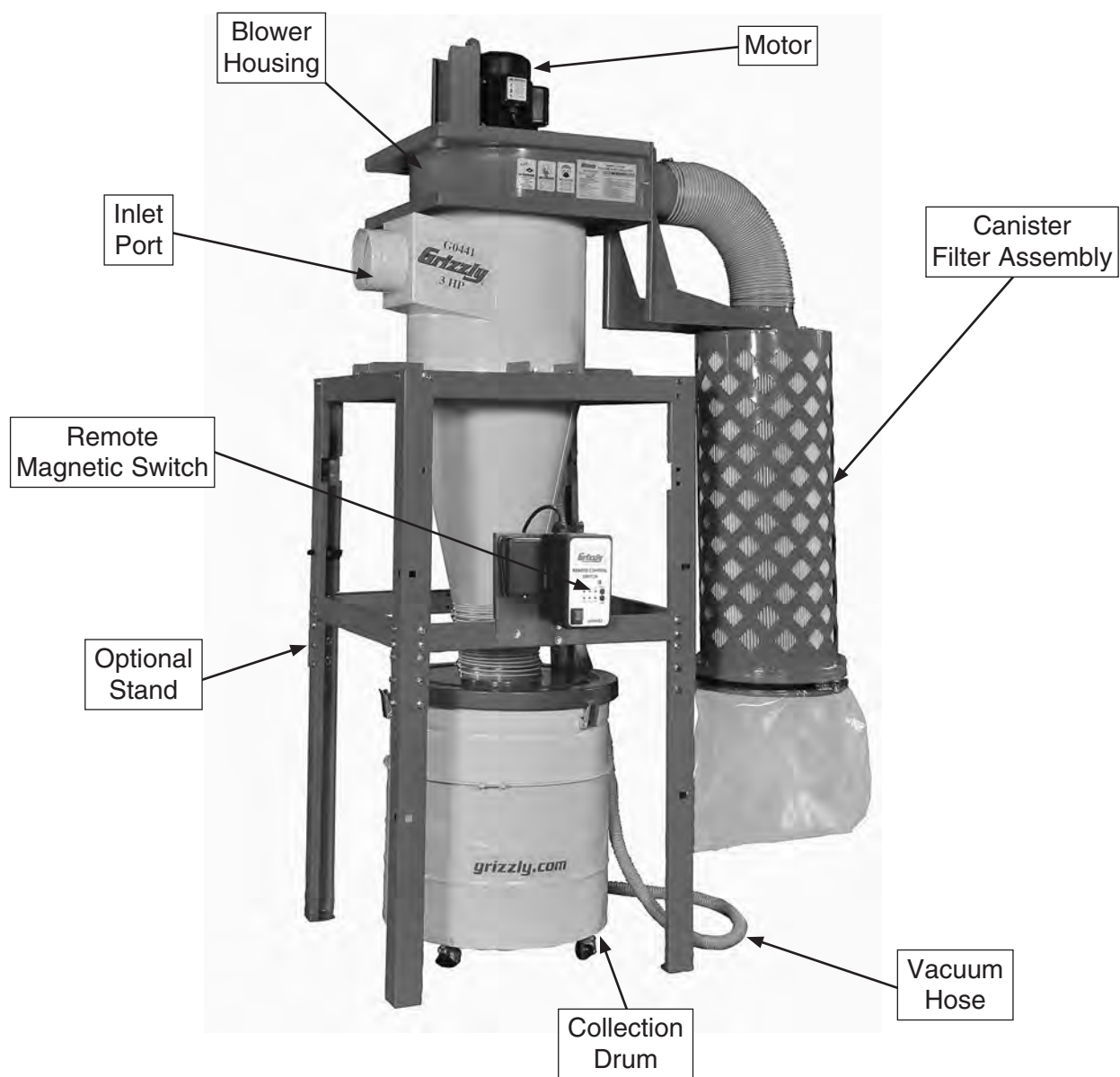
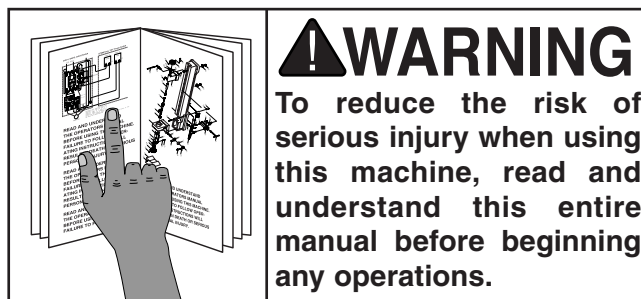


Figure 1. Identification (Model G0441 shown with optional stand).





MACHINE DATA SHEET

Customer Service #: (570) 546-9663 · To Order Call: (800) 523-4777 · Fax #: (800) 438-5901

MODEL G0440 2 HP CYCLONE DUST COLLECTOR

Product Dimensions:

Weight..... 287 lbs.
Width (side-to-side) x Depth (front-to-back) x Height..... 59 x 38 x 93-1/2 in.
Footprint (Length x Width)..... 32-1/2 x 32-7/8 in.

Shipping Dimensions:

Carton #1

Type..... Cardboard Box
Content..... Machine
Weight..... 314 lbs.
Length x Width x Height..... 54 x 28 x 35 in.
Must Ship Upright..... Yes

Carton #2

Type..... Cardboard Box
Content..... Canister Filter
Weight..... 38 lbs.
Length x Width x Height..... 49 x 18 x 18 in.
Must Ship Upright..... No

Electrical:

Power Requirement..... 220V, Single-Phase, 60 Hz
Prewired Voltage..... 220V
Full-Load Current Rating..... 14A
Minimum Circuit Size..... 20A
Connection Type..... Permanent Hardwire
Switch Type..... Remote Control Magnetic Switch w/Overload Protection

Motors:

Main

Type..... TEFC Capacitor-Start Induction (Class F)
Horsepower..... 2 HP
Phase..... Single-Phase
Amps..... 14A
Speed..... 3450 RPM
Power Transfer Direct Drive
Bearings..... Shielded & Permanently Lubricated



Main Specifications:

Operation

Dust Collector Type..... Two-Stage (Cyclone)
Approved Dust Types..... Wood
Filter Type..... Pleated Cartridge
Airflow Capacity..... 1354 CFM @ 2.5 in. SP
Max Static Pressure (at 0 CFM)..... 10.4 in.
Main Inlet Size..... 7 in.
Inlet Adapter Included..... No
Machine Collection Capacity At One Time..... 3 Machines
Maximum Material Collection Capacity..... 4.7 cu. ft.
Filtration Rating..... 0.2 – 2 Micron
Filter Surface Area..... 96 sq. ft.

Bag Information

No of Lower Bags..... 1
Lower Bag Diameter..... 15-3/4 in.

Canister Information

No of Canister Filters..... 1
Canister Filter Diameter..... 15-3/4 in.
Canister Filter Length..... 46-3/4 in.
Collection Drum Size..... 35 Gallons

Impeller Information

Impeller Type..... Radial Fin
Impeller Size..... 14-1/2 in.

Construction

Lower Bag..... Clear Plastic
Canister..... Spun Bond Polyester
Frame..... Steel Sheet Metal (14 ga.)
Impeller..... Steel
Paint..... Powder Coated
Blower Housing..... 11 Gauge Steel
Body..... 14 Gauge Steel
Collection Drum..... Steel

Other

Optional Stand..... H7499

Other Specifications:

Country Of Origin Taiwan
Warranty 1 Year
Approximate Assembly & Setup Time 3 Hours
Serial Number Location ID Label
Sound Rating 83 – 85 dB
ISO 9001 Factory No
CSA Certified Yes
Awards American Woodworker Editor's Pick 2006





MACHINE DATA SHEET

Customer Service #: (570) 546-9663 · To Order Call: (800) 523-4777 · Fax #: (800) 438-5901

MODEL G0441 3 HP CYCLONE DUST COLLECTOR

Product Dimensions:

Weight..... 347 lbs.
Width (side-to-side) x Depth (front-to-back) x Height..... 60-1/4 x 38-1/2 x 109 in.
Footprint (Length x Width)..... 32-7/8 x 32-7/8 in.

Shipping Dimensions:

Carton #1

Type..... Cardboard Box
Content..... Machine
Weight..... 354 lbs.
Length x Width x Height..... 53 x 28 x 34 in.
Must Ship Upright..... Yes

Carton #2

Type..... Cardboard Box
Content..... Canister Filter
Weight..... 46 lbs.
Length x Width x Height..... 49 x 22 x 22 in.
Must Ship Upright..... No

Electrical:

Power Requirement..... 220V, Single-Phase, 60 Hz
Prewired Voltage..... 220V
Full-Load Current Rating..... 22A
Minimum Circuit Size..... 40A
Connection Type..... Permanent Hardwire
Switch Type..... Remote Control Magnetic Switch w/Overload Protection

Motors:

Main

Type..... TEFC Capacitor-Start Induction (Class F)
Horsepower..... 3 HP
Phase..... Single-Phase
Amps..... 22A
Speed..... 3450 RPM
Power Transfer..... Direct Drive
Bearings..... Shielded & Permanently Lubricated



Main Specifications:**Operation**

Dust Collector Type..... Two-Stage (Cyclone)
Approved Dust Types..... Wood
Filter Type..... Pleated Cartridge
Airflow Capacity..... 1654 CFM @ 2.0 in. SP
Max Static Pressure (at 0 CFM)..... 14.2 in.
Main Inlet Size..... 8 in.
Inlet Adapter Included..... No
Machine Collection Capacity At One Time..... 3
Maximum Material Collection Capacity..... 7.4 cu. ft.
Filtration Rating..... 0.2 – 2 Micron
Filter Surface Area..... 113 sq. ft.

Bag Information

No of Lower Bags..... 1
Lower Bag Diameter..... 19-3/4 in.

Canister Information

No of Canister Filters..... 1
Canister Filter Diameter..... 19-11/16 in.
Canister Filter Length..... 46-1/4 in.
Collection Drum Size..... 55 Gallons

Impeller Information

Impeller Type..... Radial Fin
Impeller Size..... 15-1/2 in.

Construction

Lower Bag..... Clear Plastic
Canister..... Spun Bond Polyester
Frame..... Steel Sheet Metal (14 ga.)
Impeller..... Steel
Paint..... Powder Coated
Blower Housing..... 11 Gauge Steel
Body..... 14 Gauge Steel
Collection Drum..... Steel

Other

Optional Stand..... H7509

Other Specifications:

Country Of Origin Taiwan
Warranty 1 Year
Approximate Assembly & Setup Time 3 Hours
Serial Number Location ID Label
Sound Rating 83 – 85 dB
ISO 9001 Factory No
CSA Certified Yes
Awards American Woodworker Editor's Pick 2006



SECTION 1: SAFETY

For Your Own Safety, Read Instruction Manual Before Operating This Machine

The purpose of safety symbols is to attract your attention to possible hazardous conditions. This manual uses a series of symbols and signal words intended to convey the level of importance of the safety messages. The progression of symbols is described below. Remember that safety messages by themselves do not eliminate danger and are not a substitute for proper accident prevention measures. Always use common sense and good judgment.



Indicates an imminently hazardous situation which, if not avoided, **WILL** result in death or serious injury.



Indicates a potentially hazardous situation which, if not avoided, **COULD** result in death or serious injury.



Indicates a potentially hazardous situation which, if not avoided, **MAY** result in minor or moderate injury. It may also be used to alert against unsafe practices.

NOTICE

This symbol is used to alert the user to useful information about proper operation of the machine.

Safety Instructions for Machinery



OWNER'S MANUAL. Read and understand this owner's manual **BEFORE** using machine.

TRAINED OPERATORS ONLY. Untrained operators have a higher risk of being hurt or killed. Only allow trained/supervised people to use this machine. When machine is not being used, disconnect power, remove switch keys, or lock-out machine to prevent unauthorized use—especially around children. Make workshop kid proof!

DANGEROUS ENVIRONMENTS. Do not use machinery in areas that are wet, cluttered, or have poor lighting. Operating machinery in these areas greatly increases the risk of accidents and injury.

MENTAL ALERTNESS REQUIRED. Full mental alertness is required for safe operation of machinery. Never operate under the influence of drugs or alcohol, when tired, or when distracted.

ELECTRICAL EQUIPMENT INJURY RISKS. You can be shocked, burned, or killed by touching live electrical components or improperly grounded machinery. To reduce this risk, only allow qualified service personnel to do electrical installation or repair work, and always disconnect power before accessing or exposing electrical equipment.

DISCONNECT POWER FIRST. Always disconnect machine from power supply **BEFORE** making adjustments, changing tooling, or servicing machine. This prevents an injury risk from unintended startup or contact with live electrical components.

EYE PROTECTION. Always wear ANSI-approved safety glasses or a face shield when operating or observing machinery to reduce the risk of eye injury or blindness from flying particles. Everyday eyeglasses are not approved safety glasses.



WARNING

WEARING PROPER APPAREL. Do not wear clothing, apparel or jewelry that can become entangled in moving parts. Always tie back or cover long hair. Wear non-slip footwear to avoid accidental slips, which could cause loss of workpiece control.

HAZARDOUS DUST. Dust created while using machinery may cause cancer, birth defects, or long-term respiratory damage. Be aware of dust hazards associated with each workpiece material, and always wear a NIOSH-approved respirator to reduce your risk.

HEARING PROTECTION. Always wear hearing protection when operating or observing loud machinery. Extended exposure to this noise without hearing protection can cause permanent hearing loss.

REMOVE ADJUSTING TOOLS. Tools left on machinery can become dangerous projectiles upon startup. Never leave chuck keys, wrenches, or any other tools on machine. Always verify removal before starting!

INTENDED USAGE. Only use machine for its intended purpose and never make modifications not approved by Grizzly. Modifying machine or using it differently than intended may result in malfunction or mechanical failure that can lead to serious personal injury or death!

AWKWARD POSITIONS. Keep proper footing and balance at all times when operating machine. Do not overreach! Avoid awkward hand positions that make workpiece control difficult or increase the risk of accidental injury.

CHILDREN & BYSTANDERS. Keep children and bystanders at a safe distance from the work area. Stop using machine if they become a distraction.

GUARDS & COVERS. Guards and covers reduce accidental contact with moving parts or flying debris. Make sure they are properly installed, undamaged, and working correctly.

FORCING MACHINERY. Do not force machine. It will do the job safer and better at the rate for which it was designed.

NEVER STAND ON MACHINE. Serious injury may occur if machine is tipped or if the cutting tool is unintentionally contacted.

STABLE MACHINE. Unexpected movement during operation greatly increases risk of injury or loss of control. Before starting, verify machine is stable and mobile base (if used) is locked.

USE RECOMMENDED ACCESSORIES. Consult this owner's manual or the manufacturer for recommended accessories. Using improper accessories will increase the risk of serious injury.

UNATTENDED OPERATION. To reduce the risk of accidental injury, turn machine **OFF** and ensure all moving parts completely stop before walking away. Never leave machine running while unattended.

MAINTAIN WITH CARE. Follow all maintenance instructions and lubrication schedules to keep machine in good working condition. A machine that is improperly maintained could malfunction, leading to serious personal injury or death.

CHECK DAMAGED PARTS. Regularly inspect machine for any condition that may affect safe operation. Immediately repair or replace damaged or mis-adjusted parts before operating machine.

MAINTAIN POWER CORDS. When disconnecting cord-connected machines from power, grab and pull the plug—NOT the cord. Pulling the cord may damage the wires inside. Do not handle cord/plug with wet hands. Avoid cord damage by keeping it away from heated surfaces, high traffic areas, harsh chemicals, and wet/damp locations.

EXPERIENCING DIFFICULTIES. If at any time you experience difficulties performing the intended operation, stop using the machine! Contact our Technical Support at (570) 546-9663.



Additional Safety for Dust Collectors

WARNING

INTENDED USE. This dust collector is designed for collecting wood dust and chips from wood-working machines. DO NOT use it to collect metal, dirt, drywall, asbestos, lead paint, silica, liquids, aerosols, biohazards, or explosive materials. Collecting the wrong materials can result in serious inhalation hazards, fire, or machine damage.

HAZARDOUS DUST. Dust created while using machinery may cause cancer, birth defects, or long-term respiratory damage. Be aware of dust hazards associated with each workpiece material, and always wear a NIOSH-approved respirator to reduce your risk.

WEAR A RESPIRATOR. Fine dust that is too small to be caught in the filter will be blown into the ambient air during operation. To reduce your risk of respiratory damage from this fine dust, always wear a NIOSH approved respirator during operation and for a short time after. Also, never collect dust from any type of hazardous material.

IMPELLER HAZARDS. All objects collected by this machine can strike the rotating impeller. DO NOT place hands, hair, clothing, or tools near the open inlet during operation. The powerful suction could easily pull them into the impeller, which will cause serious personal injury or damage to the machine. Always keep small animals and children away from open dust collection inlets.

DISCONNECTING POWER SUPPLY. Turn the switch **OFF**, disconnect the dust collector from the power supply, and allow the impeller to come to a complete stop before leaving the machine unattended or doing any service, cleaning, maintenance, or adjustments.

REGULAR CLEANING. Regularly check/empty the collection bags or drum to avoid the buildup of fine dust that can increase the risk of fire. Make sure to regularly clean the surrounding area where the machine is operated—excessive dust buildup on overhead lights, heaters, electrical panels, or other heat sources will increase the risk of fire.

SUSPENDED DUST PARTICLES AND IGNITION SOURCES. DO NOT operate the dust collector in areas where explosion risks are high. Areas of high risk include, but are not limited to, areas near pilot lights, open flames, or other ignition sources.

AVOIDING SPARKS. Avoid collecting steel fragments or stones. These items can produce sparks when they strike the impeller, which can smolder in wood dust for a long time before a fire is detected. If you accidentally cut into wood containing tramp metal (nails, staples, spikes, etc.), immediately turn **OFF** the dust collector, disconnect it from power, and wait for the impeller to stop—then empty the collection container into an approved airtight metal container.

OPERATING LOCATION. To reduce respiratory exposure to fine dust, locate permanently installed dust collectors away from the working area or in another room. DO NOT place the dust collector where it can be exposed to rain or moisture—exposure to water creates a shock hazard and will reduce the life of the machine.

FIRE SUPPRESSION. Only operate the dust collector in locations that contain a fire suppression system or have a fire extinguisher nearby.

STATIC ELECTRICITY. Plastic dust lines generate high amounts of static electricity as dust chips pass through them. Although rare, sparks caused by static electricity can cause explosions or fire. To reduce this risk, make sure all dust lines are thoroughly grounded by using a grounding wire.

EMPTYING DUST. When emptying dust from the collection container, wear a respirator and safety glasses. Empty dust away from ignition sources and into an approved container.

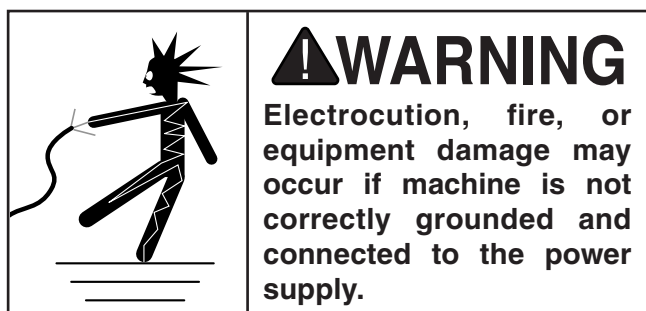
DUST ALLERGIES. Dust from certain woods will cause an allergic reaction. Always make sure you know what type of wood dust you are exposed to in the event that this happens.



SECTION 2: POWER SUPPLY

Availability

Before installing the machine, consider the availability and proximity of the required power supply circuit. If an existing circuit does not meet the requirements for this machine, a new circuit must be installed. To minimize the risk of electrocution, fire, or equipment damage, installation work and electrical wiring must be done by an electrician or qualified service personnel in accordance with all applicable codes and standards.



Full-Load Current Rating

The full-load current rating is the amperage a machine draws at 100% of the rated output power. On machines with multiple motors, this is the amperage drawn by the largest motor or sum of all motors and electrical devices that might operate at one time during normal operations.

G0440 Full-Load Current Rating..... 14 Amps
G0441 Full-Load Current Rating..... 22 Amps

The full-load current is not the maximum amount of amps that the machine will draw. If the machine is overloaded, it will draw additional amps beyond the full-load rating.

If the machine is overloaded for a sufficient length of time, damage, overheating, or fire may result—especially if connected to an undersized circuit. To reduce the risk of these hazards, avoid overloading the machine during operation and make sure it is connected to a power supply circuit that meets the requirements in the following section.

Circuit Requirements

A power supply circuit includes all electrical equipment between the breaker box or fuse panel in the building and the machine. The power supply circuit used for this machine must be sized to safely handle the full-load current drawn from the machine for an extended period of time. (If this machine is connected to a circuit protected by fuses, use a time delay fuse marked D.)

! CAUTION

For your own safety and protection of property, consult an electrician if you are unsure about wiring practices or electrical codes in your area.

Note: The circuit requirements listed in this manual apply to a dedicated circuit—where only one machine will be running at a time. If this machine will be connected to a shared circuit where multiple machines will be running at the same time, consult a qualified electrician to ensure that the circuit is properly sized for safe operation.

G0440 Circuit Requirements

This machine is prewired to operate on a 220V power supply circuit that has a verified ground and meets the following requirements:

Nominal Voltage 220V/240V
Cycle 60 Hz
Phase Single-Phase
Circuit Rating 20 Amps

G0441 Circuit Requirements

This machine is prewired to operate on a 220V power supply circuit that has a verified ground and meets the following requirements:

Nominal Voltage 220V/240V
Cycle 60 Hz
Phase Single-Phase
Circuit Rating 40 Amps



Connection Type

A permanently connected (hardwired) power supply is typically installed with wires running through mounted and secured conduit. A disconnecting means, such as a locking switch (see following **Figure**), must be provided to allow the machine to be disconnected (isolated) from the power supply when required. This installation must be performed by an electrician in accordance with all applicable electrical codes and ordinances.

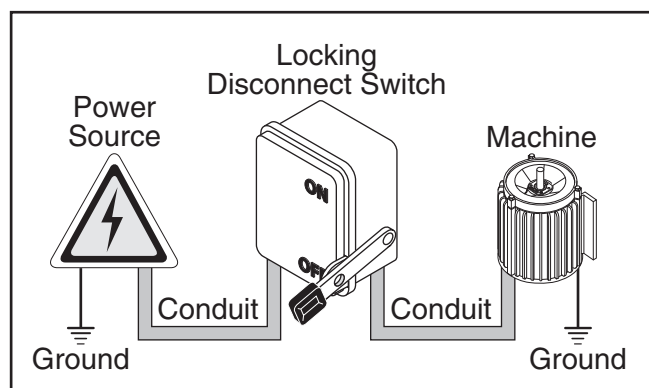


Figure 1. Typical setup of a permanently connected machine.

Grounding Instructions

In the event of a malfunction or breakdown, grounding provides a path of least resistance for electrical current to reduce the risk of electric shock. A permanently connected machine must be connected to a grounded metal permanent wiring system; or to a system having an equipment-grounding conductor. All grounds must be verified and rated for the electrical requirements of the machine. Improper grounding can increase the risk of electric shock!

WARNING

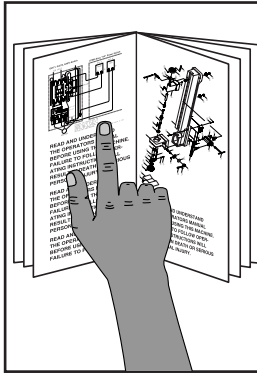
Serious injury could occur if you connect the machine to power before completing the setup process. **DO NOT** connect to power until instructed later in this manual.

Extension Cords

Since this machine must be permanently connected to the power supply, an extension cord cannot be used.

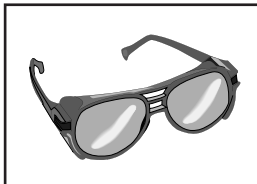


SECTION 3: SETUP



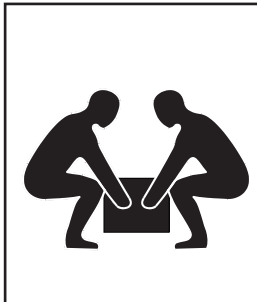
!WARNING

This machine presents serious injury hazards to untrained users. Read through this entire manual to become familiar with the controls and operations before starting the machine!



!WARNING

Wear safety glasses during the entire setup process!



!WARNING

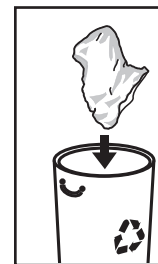
This machine and its components are very heavy. Get lifting help or use power lifting equipment such as a forklift to move heavy items.

Unpacking

Your machine was carefully packaged for safe transportation. Remove the packaging materials from around your machine and inspect it. If you discover any damage, *please call us immediately at (570) 546-9663 for advice.*

Save the containers and all packing materials for possible inspection by the carrier or its agent. *Otherwise, filing a freight claim can be difficult.*

When you are completely satisfied with the condition of your shipment, inventory the contents.



!WARNING

SUFFOCATION HAZARD!

Keep children and pets away from plastic bags or packing materials shipped with this machine. Discard immediately.

Needed for Setup

The following are needed to complete the setup process, but are not included with your machine:

Description	Qty
• Assistants for Lifting Help.....	2
• Optional Power Lifting Equipment.....	1
• Wrench or Socket 1/2"	2
• Wrench or Socket 9/16"	2
• Phillips Screwdriver #2	1
• Mounting Hardware (Page 18) ... As Needed	
• Medium-Strength Thread Locking Compound.....	1 Bottle



G0440 Inventory

The following is a list of items shipped with your machine. Before beginning setup, lay these items out and inventory them.

If any non-proprietary parts are missing (e.g. a nut or a washer), we will gladly replace them; or for the sake of expediency, replacements can be obtained at your local hardware store.

Inventory (Figure 2)	Qty
A. Intake Cylinder	1
B. Cyclone Funnel	1
C. Intake Barrel	1
D. Canister/Drum Collection Bags	1 Each
E. Gray Flexible Hose 7" X 32"	1
F. Motor/Blower Housing Assembly	1
G. Collection Drum Lid.....	1
H. Collection Drum.....	1
I. Collection Drum Seal	1
J. Clear Flexible Hose 9" x 8"	1
K. Hose Clamps 9"	2
L. Outlet Port	1
M. Filter L-Braces	2
N. Foam Tape Roll 3 x 6mm	1
O. Hose Clamps 7"	3
P. Hardware Box	
—Phillips Head Screws #10-24 x 3/8"	6
—Hex Nuts #10-24	6
—Drum Latches	3
—Roll of Foam Tape 3 x 15mm	1
Q. Hardware Box	
—Hex Bolts 5/16"-18 x 1"	22
—Hex Bolts 5/16"-18 x 3/4"	24
—Flat Washers 5/16"	64
—Fender Washers 5/16"	4
—Hex Nuts 5/16"-18	22
R. Hardware Box	
—Casters	4
—Hex Nuts 3/8"-16	4
—Lock Washers 3/8"	4
—Flat Washers 3/8"	8
S. Wall Mount Brace	1
T. Barrel Gaskets.....	2
U. Brace Gaskets.....	2
V. Outlet Gasket	1
W. Canister Filter Assembly	1
X. Hose Clamps 1 1/4"	2
Y. Vacuum Hose 1 1/4" x 98"	1
Z. Collection Drum Vacuum Ring	1
AA. Cyclone Vacuum Tube	1

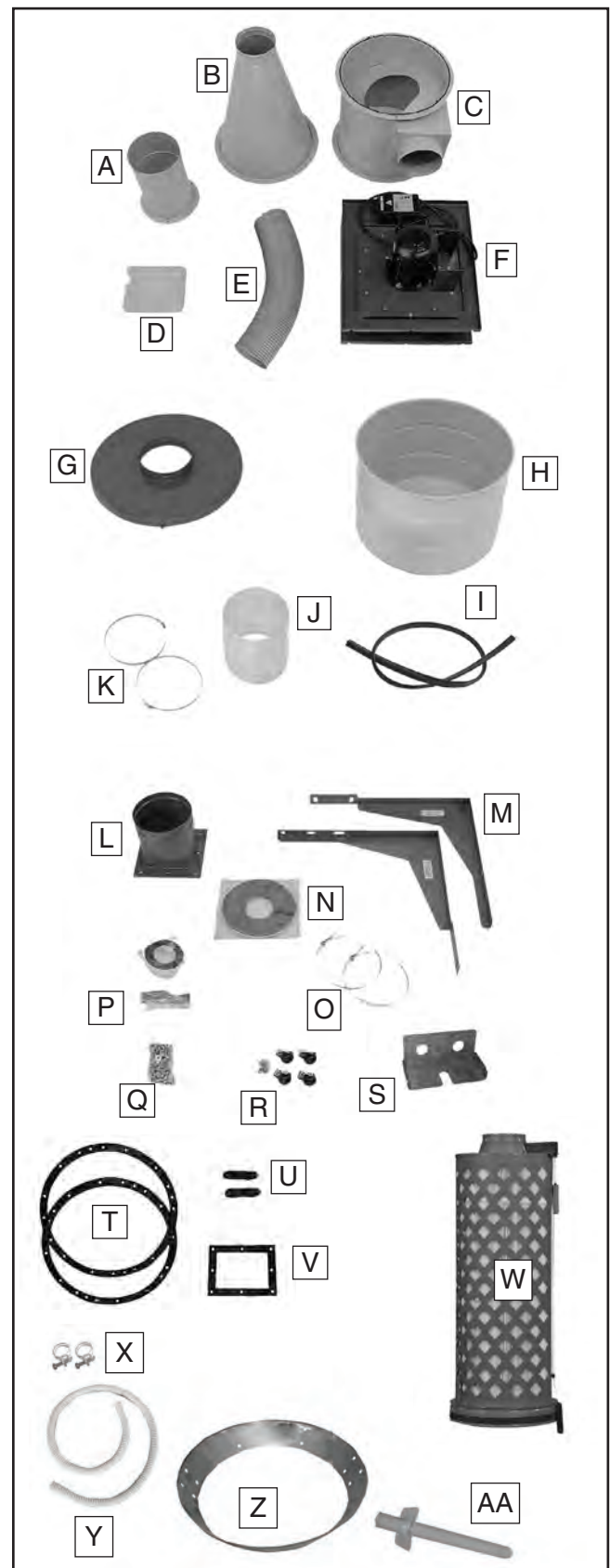


Figure 2. Model G0440 inventory.



G0441 Inventory

The following is a description of the main components shipped with your machine. Lay the components out to inventory them.

Inventory: (Figure 3) Qty

A.	Intake Cylinder	1
B.	Cyclone Funnel	1
C.	Intake Barrel	1
D.	Canister/Drum Collection Bags	1 Each
E.	Gray Flexible Hose 8" x 20"	1
F.	Motor/Blower Housing Assembly	1
G.	Upper Collection Drum	1
H.	Muffler	1
I.	Gray Flexible Hose 8" x 5"	1
J.	Lower Collection Drum	1
K.	Clear Flexible Hose 9" x 13"	1
L.	Hose Clamps 9"	2
M.	Collection Drum Lid	1
N.	Collection Drum Seal	1
O.	Outlet Port	1
P.	Filter L-Braces	2
Q.	Foam Tape Roll 3 x 6mm	1
R.	Hose Clamps 8"	5
S.	Hardware Box	
	—Phillips Head Screws #10-24 x 3/8"	12
	—Hex Nuts #10-24	12
	—Drum Latches	3
	—Roll of Foam Tape 3 x 15mm	1
T.	Hardware Box	
	—Hex Bolts 5/16"-18 x 1"	24
	—Hex Bolts 5/16"-18 x 3/4"	24
	—Flat Washers 5/16"	68
	—Fender Washers 5/16"	4
	—Hex Nuts 5/16"-18	24
U.	Hardware Box	
	—Casters	4
	—Hex Nuts 3/8"-16	4
	—Lock Washers 3/8"	4
	—Flat Washers 3/8"	8
V.	Wall Mount Brace	1
W.	Barrel Gaskets	2
X.	Brace Gaskets	2
Y.	Outlet Gasket	1
Z.	Canister Filter Assembly	1
AA.	Hose Clamps 1 1/4"	2
AB.	Vacuum Hose 1 1/4" x 98"	1
AC.	Collection Drum Vacuum Ring	1
AD.	Cyclone Vacuum Tube	1

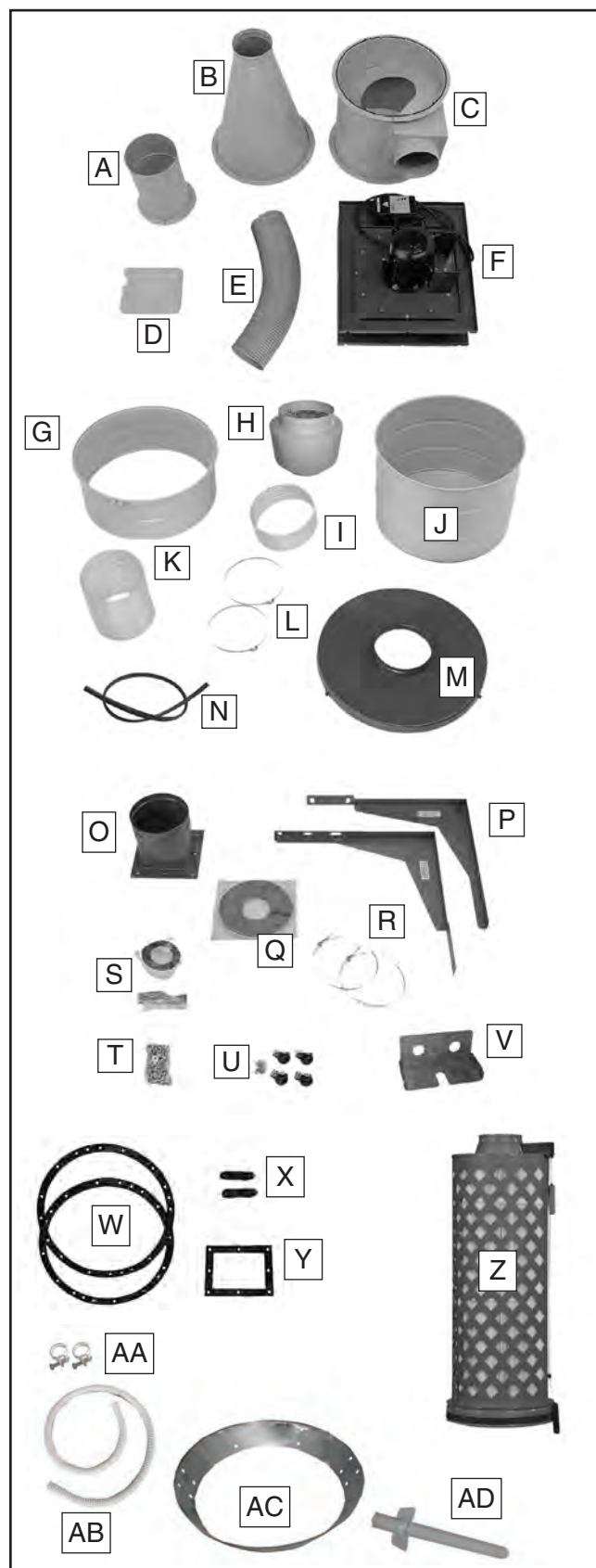


Figure 3. Model G0441 inventory.



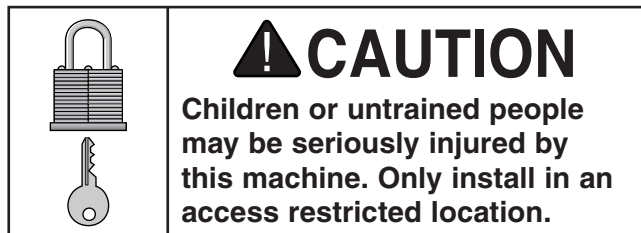
Site Considerations

Weight Load

Refer to the **Machine Data Sheet** for the weight of your machine. Make sure that the surface upon which the machine is placed will bear the weight of the machine, additional equipment that may be installed on the machine, and the heaviest workpiece that will be used. Additionally, consider the weight of the operator and any dynamic loading that may occur when operating the machine.

Space Allocation

Consider the largest size of workpiece that will be processed through this machine and provide enough space around the machine for adequate operator material handling or the installation of auxiliary equipment. With permanent installations, leave enough space around the machine to open or remove doors/covers as required by the maintenance and service described in this manual. **See below for required space allocation.**



Physical Environment

The physical environment where the machine is operated is important for safe operation and longevity of machine components. For best results, operate this machine in a dry environment that is free from excessive moisture, hazardous chemicals, airborne abrasives, or extreme conditions. Extreme conditions for this type of machinery are generally those where the ambient temperature range exceeds 41°–104°F; the relative humidity range exceeds 20–95% (non-condensing); or the environment is subject to vibration, shocks, or bumps.

Electrical Installation

Place this machine near an existing power source. Make sure all power cords are protected from traffic, material handling, moisture, chemicals, or other hazards. Make sure to leave access to a means of disconnecting the power source or engaging a lockout/tagout device, if required.

Lighting

Lighting around the machine must be adequate enough that operations can be performed safely. Shadows, glare, or strobe effects that may distract or impede the operator must be eliminated.

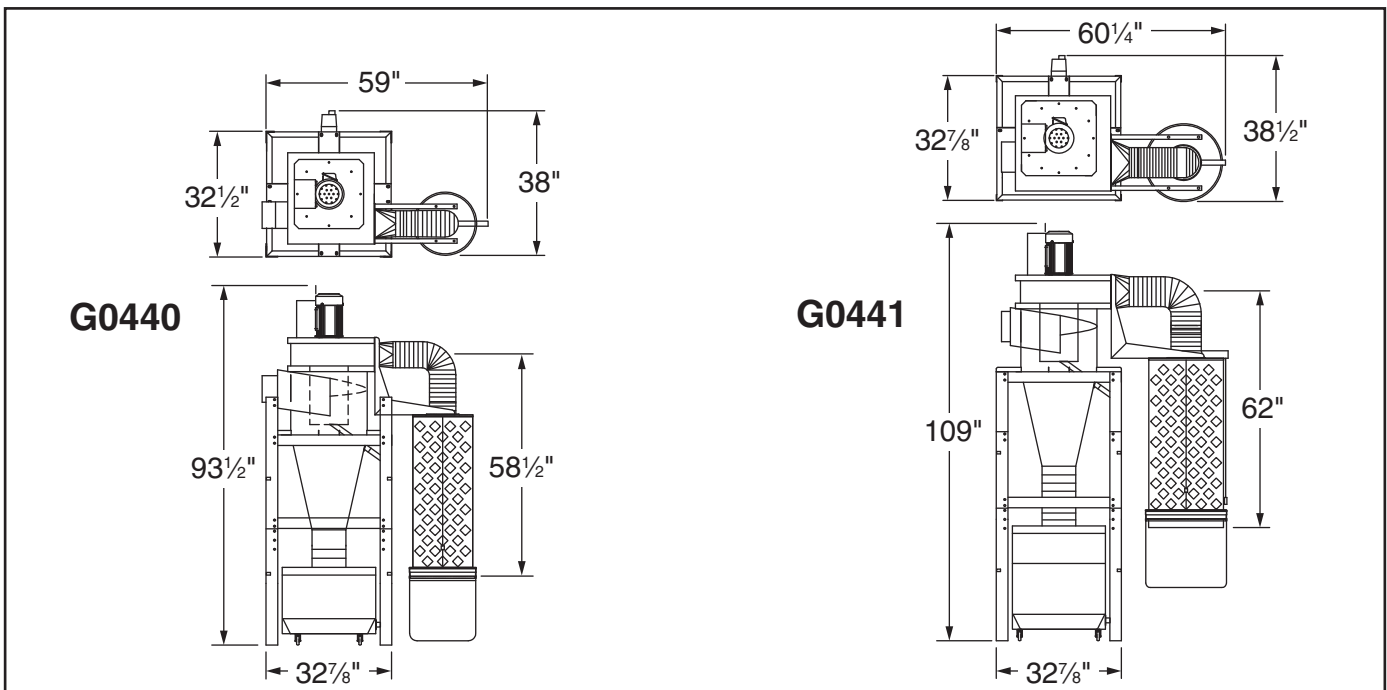


Figure 4. Minimum working clearances.



Wall Mounting

Before mounting, make sure you locate your dust collector away from any open flames or potential ignition sources, as fine dust can easily ignite.

If you are mounting your dust collector to a wood framed wall, you must build and install the wall mounting boards described below to support the heavy weight of the dust collector.

If you are mounting your dust collector to a concrete or masonry wall, skip to **Page 18**.

Materials Needed for Standard Wood Framed Walls

- 2x12 Board 36" Long for Wall Mounting..... 1
- 2x6 Board 36" Long for Wall Mounting 1
- Level 4' 1
- Pencil..... 1
- Measuring Tape..... 1
- Lag Bolts $\frac{3}{8}$ " x 5" (board/wall)..... 1
- Flat Washers $\frac{3}{8}$ " (board/wall)..... 16
- Lag Bolts $\frac{1}{2}$ " x 2" (machine/board) 8*
- Flat Washers $\frac{1}{2}$ " (machine/board) 8*
- Drill 1
- Drill Bit $\frac{1}{4}$ " (for $\frac{3}{8}$ " predrill)..... 1
- Drill Bit $\frac{3}{8}$ " (for $\frac{1}{2}$ " predrill) 1
- Stud Finder..... 1

**Two of these fastener sets will be used in mounting the intake barrel brace during assembly.*

To mount the motor/impeller housing to a wood framed wall:

1. Secure the wall mounting boards to your wall, using the applicable layout diagrams for your machine and wall type (see **Figures 5–6**).

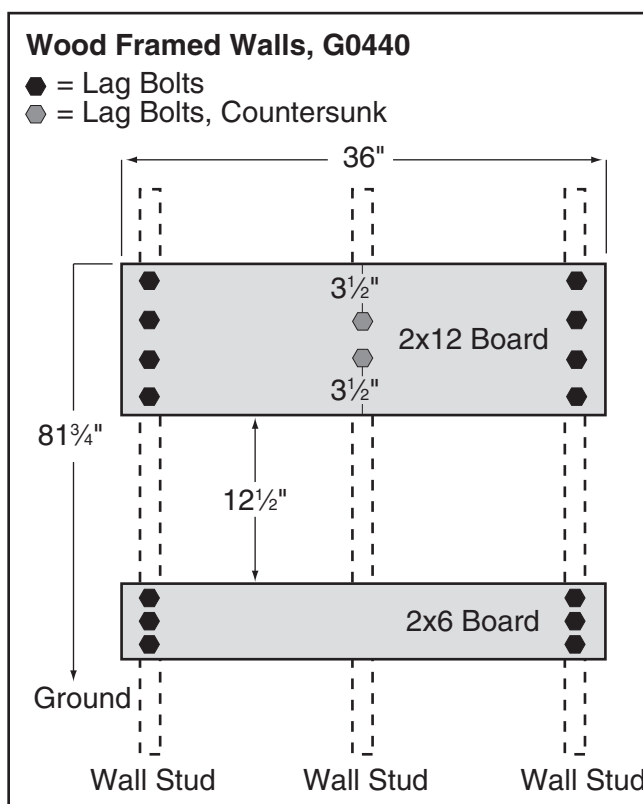


Figure 5. G0440 wall mounting board layout.

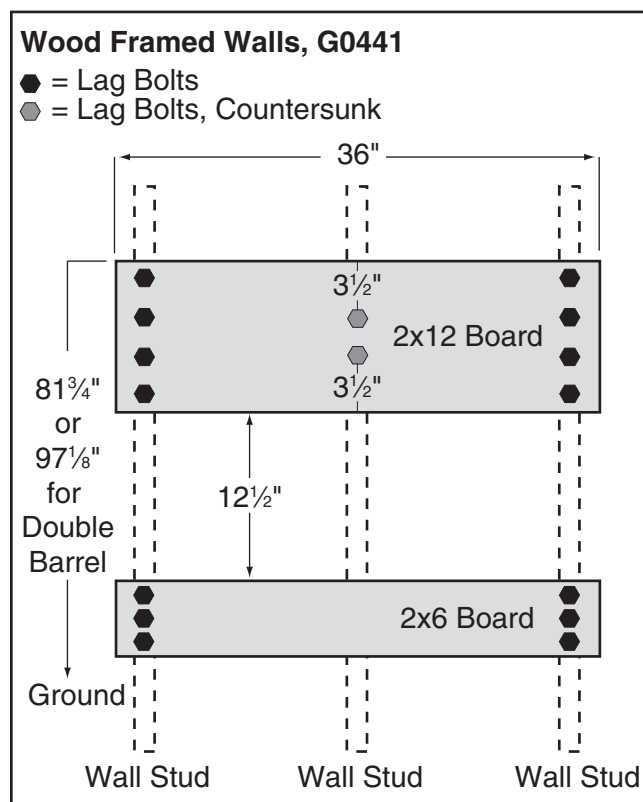


Figure 6. G0441 wall mounting board layout.



- Copy the mounting hole layout pattern from the motor housing (see **Figures 7–8**) to your wall mounting board, making sure the **Top Row Mounting Hole Height** is correct for your dust collector.

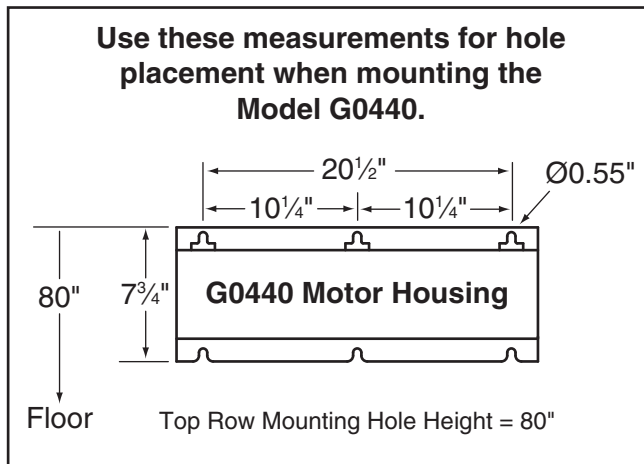


Figure 7. G0440 wall mounting layout.

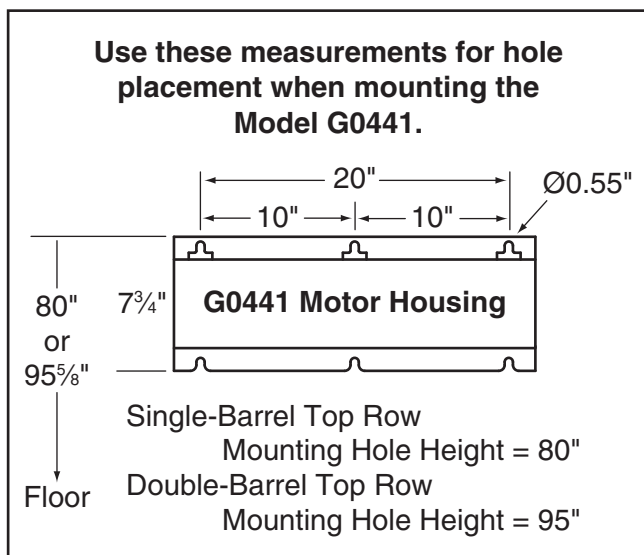


Figure 8. G0441 wall mounting layout.

- Tighten 1/2" lag bolts into the mounting locations so they do not poke out more than 1/2" from the mounting board to the top of the head, but leave them out enough to slide the housing over. This will prepare you for the mounting instructions described in **Assembly** on **Page 19**.

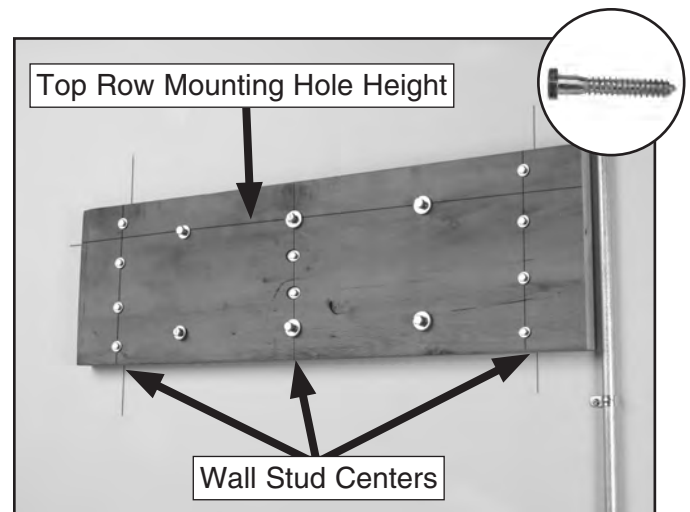


Figure 9. Board fastened to wall and ready for G0440 motor/blower housing assembly.

Materials Needed for Concrete/Masonry Wall

- Concrete Anchor Stud 1/2" x 2³/₄" 8*
- Hex Nuts 1/2" 8*
- Flat Washers 1/2" 8*
- Hammer Drill 1
- Masonry Drill Bit 1/2" 1
- Level 4' 1
- Pencil..... 1
- Measuring Tape..... 1

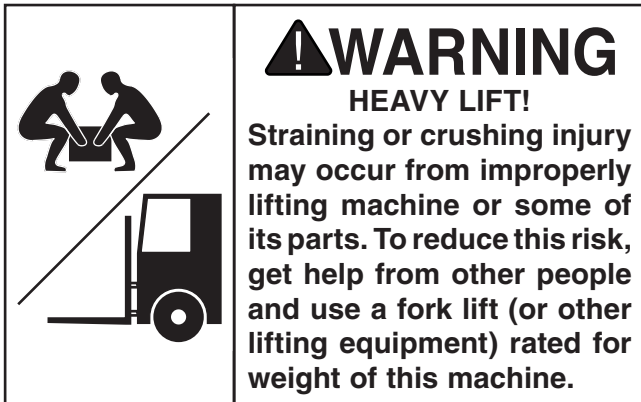
**Two of these fastener sets will be used in mounting the intake barrel brace during assembly.*

To mount the motor/impeller housing to a concrete or masonry wall:

- Copy the mounting hole layout pattern from the motor housing to your wall, making sure the **Top Row Mounting Hole Height** (see **Figures 7–8**) is correct for your dust collector.
- Mount the anchor studs to the wall in the mounting hole locations for the motor/impeller housing. This will prepare you for the mounting instructions described in **Assembly** on **Page 19**.



Assembly



To assemble dust collector:

1. With the help of assistants or power lifting equipment, secure the motor/blower housing assembly onto the hardware you mounted in the **Wall Mounting** section.
2. Attach the 3 x 6mm foam tape to the top of the intake cylinder, as shown in **Figure 10**.

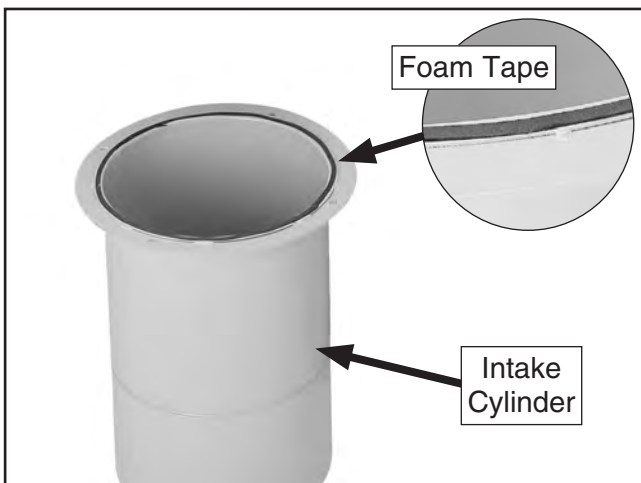


Figure 10. Foam tape stuck on intake cylinder.

3. Attach the intake cylinder to the bottom of the housing, as shown in **Figure 11**, using (4) $\frac{5}{16}$ "-18 x $\frac{3}{4}$ " hex bolts and (4) $\frac{5}{16}$ " flat washers.

Note: Because this part of the dust collector will not be accessible after assembly, consider using medium strength thread locking compound on the bolts that secure the intake cylinder to the motor/blower housing assembly. This added measure will ensure that the fasteners will not come loose from vibration.

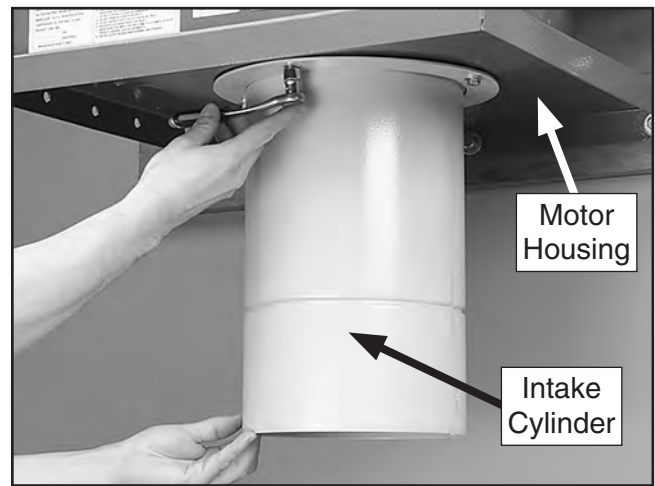


Figure 11. Attaching intake cylinder to the bottom of motor housing.

4. Temporarily attach the intake barrel to the housing with a barrel gasket in between, as shown in **Figure 12**, using (4) $\frac{5}{16}$ "-18 x $\frac{3}{4}$ " hex bolts and (4) $\frac{5}{16}$ " flat washers—and only snug the bolts, rather than fully tighten them.

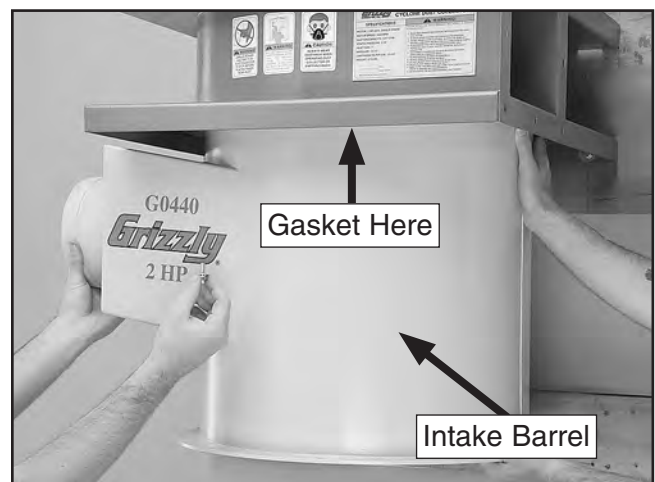


Figure 12. Securing blower on intake barrel.



5. Place the intake barrel brace in position and mark the location of the mounting holes (shown in **Figure 13**) with a small pencil, nail, or push pin.



Figure 13. Intake barrel brace positioned to mark the mounting holes.

6. Remove the intake barrel you temporarily attached in **Step 4**, drill holes where you marked in **Step 5**, and loosely install the wall mount brace to the wall with the remaining fasteners from the **Wall Mounting** procedure.
7. Use the (12) $\frac{5}{16}$ "-18 x $\frac{3}{4}$ " hex bolts and (12) $\frac{5}{16}$ " flat washers to re-install the intake barrel to the housing with a barrel gasket in between, as shown in **Figure 12** on the previous page.

Note: When installing the two bolts above the intake port, use duct tape on the bottom of your wrench to hold the bolts in place, as shown in **Figure 14**, to start the bolts easier.

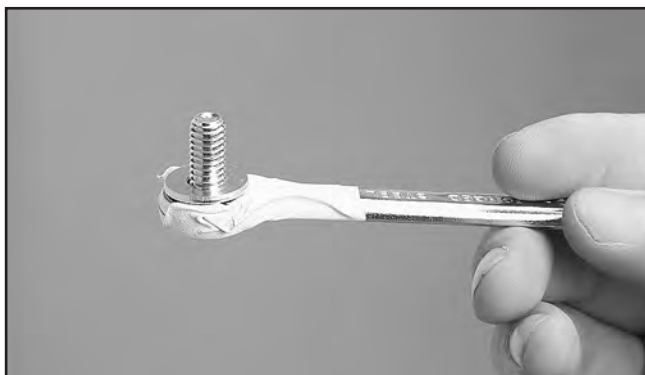


Figure 14. Using tape on wrench in tight spot.

8. Attach the cyclone funnel to the intake barrel with a barrel gasket between them, as shown in **Figure 15**, using (12) $\frac{5}{16}$ "-18 x 1" hex bolts, (24) $\frac{5}{16}$ " flat washers, and (12) $\frac{5}{16}$ "-18 hex nuts; also secure the wall mounting brace to the lip of the intake barrel/funnel assembly with the same hardware.

Note: At the places where you see 3 holes in a row, only use the center hole for this step. The two outside holes are only designed for use with the optional stand.

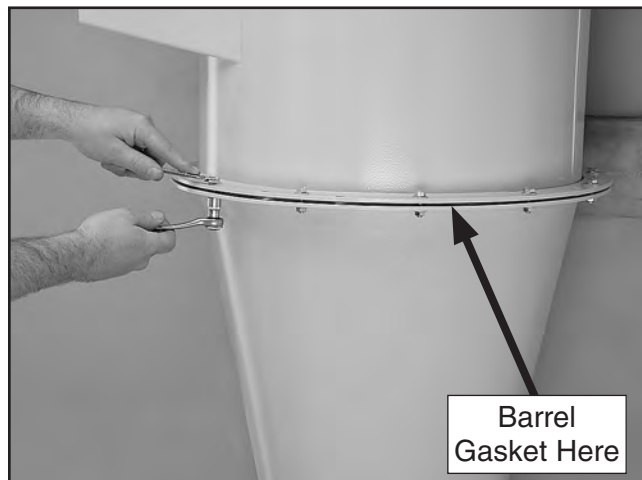


Figure 15. Cyclone funnel attached to intake barrel.

9. Tighten the wall mounting brace to the wall.
10. Attach the cyclone vacuum tube to the cyclone funnel with (4) $\frac{5}{16}$ "-18 x $\frac{3}{4}$ " hex bolts and (4) $\frac{5}{16}$ " flat washers (see **Figure 16**).

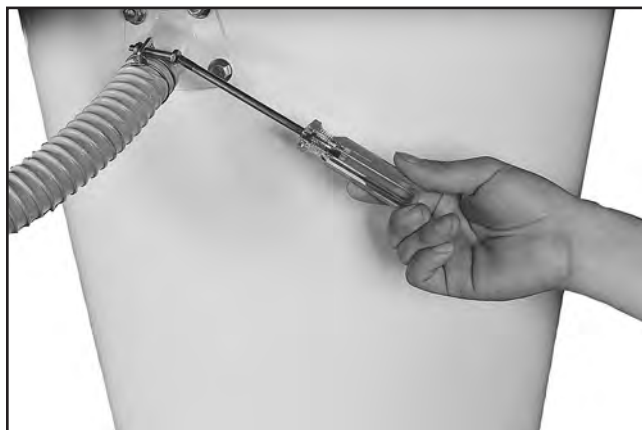


Figure 16. Cyclone vacuum tube and hose attachment.



11. Attach the outlet port and filter L-braces to the blower housing with the outlet gasket between the outlet port and the housing, as shown in **Figures 17–18**, using (8) $\frac{5}{16}$ "-18 x 1" hex bolts, (16) $\frac{5}{16}$ " flat washers, and (8) $\frac{5}{16}$ "-18 hex nuts.

Note: On the G0441, one of the braces attaches directly to the housing with the following extra hardware: (2) $\frac{5}{16}$ "-18 x 1" hex bolts, (4) $\frac{5}{16}$ " flat washers, and (2) $\frac{5}{16}$ "-18 hex nuts.



Figure 17. Model G0440 outlet port and filter L-braces installed.



Figure 18. Model G0441 outlet port and filter L-braces installed.

12. Mount the filter to the L-braces with the brace gaskets between them, as shown in **Figure 19**, using (4) $\frac{5}{16}$ "-18 x $\frac{3}{4}$ " hex bolts and (4) $\frac{5}{16}$ " fender washers.



Figure 19. Mounting filters to the braces.

13. Model G0440:

- a. Apply the 3 x 15mm foam tape to the edges of the outlet port and the canister adapter, as shown in **Figure 20**.

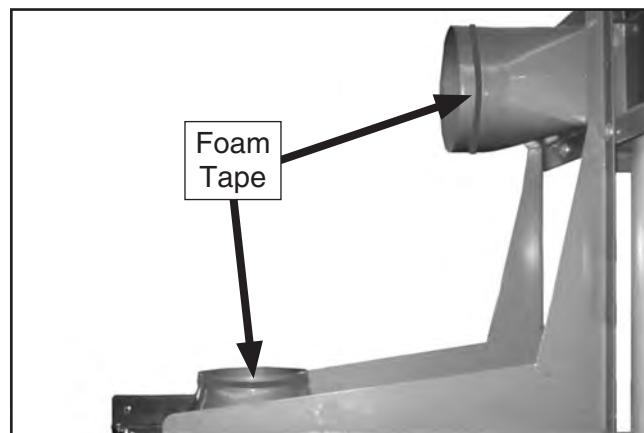


Figure 20. Foam tape applied to the outlet port and canister adapter (Model G0440).



- b. Connect the gray flexible hose from the outlet port to the canister adapter and secure it in place with the two 7" hose clamps, as shown in **Figure 21**.

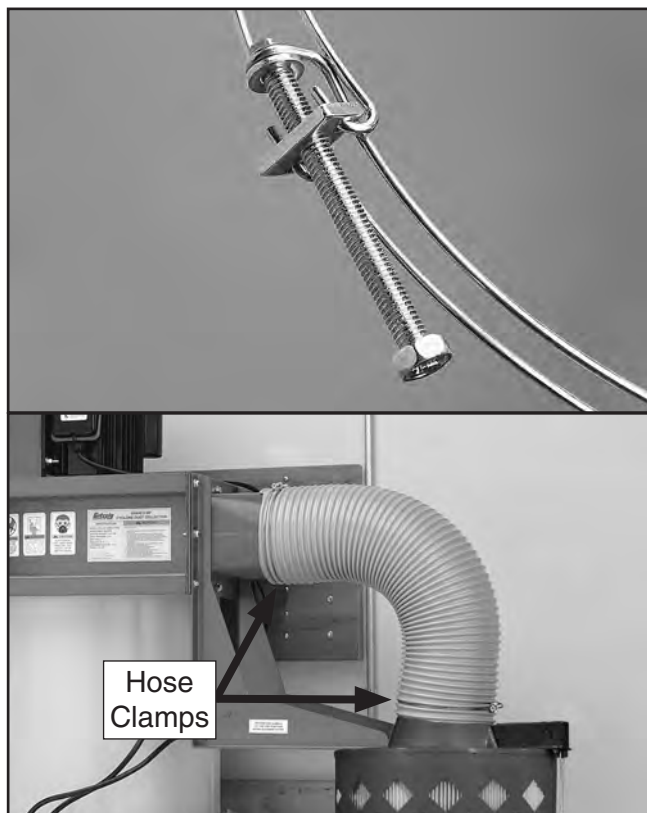


Figure 21. Gray hose properly installed (Model G0440).

Model G0441:

- a. Apply the 3 x 15mm foam tape to the lips of the outlet port, canister adapter, and both ends of the muffler, as shown in **Figure 22**.

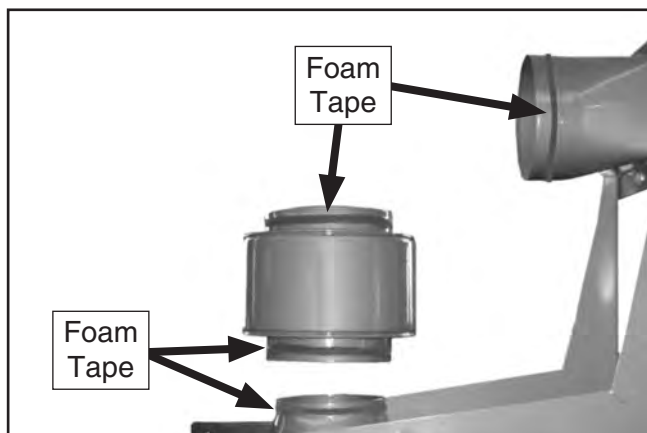


Figure 22. Foam tape applied to upper components (Model G0441).

- b. Attach the 8" x 5" gray flexible hose between the canister adapter and the muffler with two 8" hose clamps, then attach the 8" x 20" gray flexible hose between the muffler and the outlet port with the remaining two 8" hose clamps (see **Figure 23**).

Note: It may be necessary to reposition the canister L-braces down one bolt hole or shorten the length of the longer piece of flexible hose to accommodate the bend in the hose.

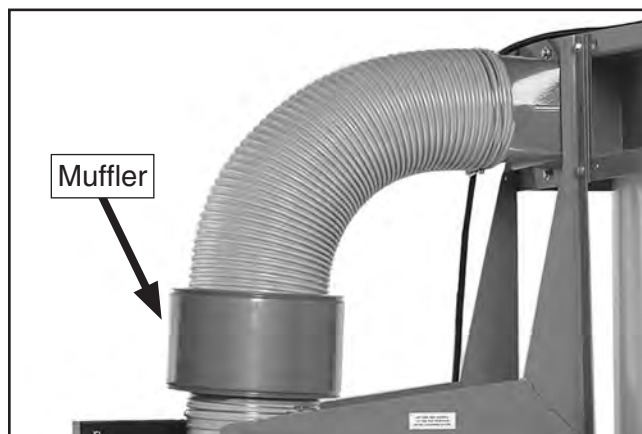


Figure 23. Muffler properly positioned between the two gray flexible hoses (Model G0441).

14. Attach the casters to the bottom of the lower collection drum, as shown in **Figure 24**, using the (4) $\frac{3}{8}$ "-16 hex nuts, (8) $\frac{3}{8}$ " flat washers, and (4) $\frac{3}{8}$ " lock washers included in the box with the casters.



Figure 24. Casters attached to the lower collection drum.



Note—For the Model G0441 Only: *If you plan to keep your machine under an 8' ceiling, skip **Step 15**.*

15. **Model G0441:** Connect the upper and lower collection drums together and secure them with the included metal clamp and provided fasteners, as shown in **Figure 25**.



Figure 25. Installing metal clamp around collection drum.

16. Install the drum latches, as shown in **Figure 26**, with the (6) #10-24 x $\frac{3}{8}$ " Phillips head screws and (6) #10-24 hex nuts included in the box with the drum latches. Make sure the hex nuts are on the outside of the drum so that they will not snag the plastic collection bag.

Note—For the Model G0441 Only: *If you are using the collection drum at full height, use the extra (6) #10-24 Phillips head screws and hex nuts provided to plug the lower latch mounting holes.*



Figure 26. Installing drum latches on collector drum.

17. Place the collection drum vacuum ring on the bottom of the collection drum (see **Figure 27**).

Note: *During operation, this ring and the vacuum connection to the cyclone funnel will prevent the collection bag from collapsing.*



Figure 27. Inserting collection drum vacuum ring.



18. Insert the rubber seal over the top lip of the collection drum rim. Pay special attention to the direction of the seal, as shown in the **Figure 28**.

Tip: To keep the seal in place, you can use an adhesive applied to the rubber seal at approximately 1" intervals.

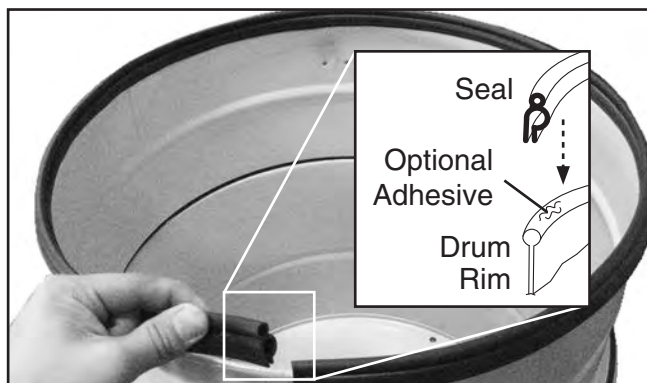


Figure 28. Installing canister seal.

19. Insert the larger of the plastic collection bags into the collection drum, place the lid on the collection drum and hook the latch over the lid, as shown in **Figure 29**, then clamp it in place.



Figure 29. Latch hooked over lid for clamping.

20. Move the collector drum under the dust collector and connect it to the cyclone funnel with the clear flexible hose and the two 9" hose clamps, as shown in **Figure 30**.



Figure 30. Drum attached to cyclone funnel with clear 9" hose.

21. Connect the vacuum hose to the cyclone funnel and collection drum vacuum tubes with (2) 1 1/4" hose clamps (see **Figure 31**).



Figure 31. Connecting the vacuum hose.



22. Fit the plastic canister collection bag over the bottom of the canister filter and clamp in place with the metal bag clamp, as shown in **Figure 32**.



Figure 32. Plastic collection bag clamped in place under filter.

23. Mount the switch on the funnel, as shown in **Figure 33**, with the (2) $\frac{5}{16}$ "-18 x 1" hex bolts, (4) $\frac{5}{16}$ " flat washers, and (2) $\frac{5}{16}$ "-18 hex nuts.



Figure 33. Switch mounted to funnel.

Test Run

Once the assembly is complete, test run your machine to make sure it runs properly and is ready for regular operation.

If, during the test run, you cannot easily locate the source of an unusual noise or vibration, stop using the machine immediately, then review the **Troubleshooting** on **Page 41**.

If you still cannot remedy a problem, contact our Tech Support at (570) 546-9663 for assistance.

To test run the machine:

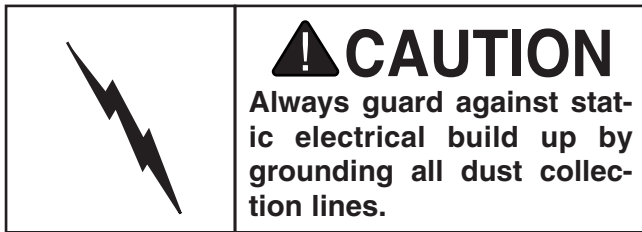
1. Make sure you have read the safety instructions at the beginning of the manual and that the machine is setup properly.
2. Make sure all tools and objects used during setup are cleared away from the machine.
3. Press the ON/OFF button to turn the machine **ON**.
4. Listen to and watch for abnormal noises or actions. The machine should run smoothly with little or no vibration or rubbing noises.

—Strange or unusual noises should be investigated and corrected before operating the machine further. Always disconnect the machine from power when investigating or correcting potential problems.
5. Press the **TIMER** button and cycle through each of the times to make sure the lights illuminate on the switch.
6. Press the **TIMER** on the remote control and cycle through each of the times in the same manner as **Step 5**.
7. Press the **ON/OFF** button on the remote control to make sure it is working properly.



SECTION 4: DESIGNING THE SYSTEM

General



The Model G0440/G0441 works great as a central system for a small shop or a dedicated dust collector for large production machines.

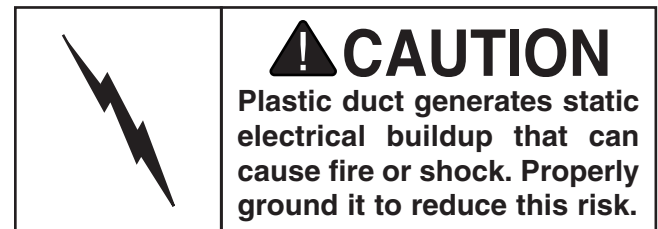
When installing the dust collector be sure to put it in an out of the way location such as a corner or separate room. The dust collector is capable of collecting dust from up to three machines running simultaneously. Grizzly offers a complete line of dust collection accessories for setting up a stationary system. Additionally, Grizzly offers a complete guide book entitled *Dust Collection Basics*.

Whatever system you choose, always make sure there are no open flames or pilot lights in the same room as the dust collector. There is a risk of explosion if dust is dispersed into the air.

Duct Material

You have many choices regarding main line and branch line duct material. For best results, use metal duct for the main line and branch lines, then use short lengths of flexible hose to connect each machine to the branch lines.

Plastic duct is also a popular material for home shops. However, be aware that there is a fire or explosion hazard if plastic duct material is used for dust collection without being grounded against static electrical charge build-up. This topic will be discussed later in this section. Another problem with using plastic is that it is less efficient per foot than metal.



Plastic Duct

The popularity of plastic duct is due to the fact that it is an economical and readily available product. It is also simple to assemble and easily sealed against air loss. The primary disadvantage of plastic duct for dust collection is the inherent danger of static electrical build-up.



Figure 34. Examples of plastic ducting components.



Metal Duct

Advantages of metal duct is its conductivity and that it does not contribute to static electrical charge build-up. However, static charges are still produced when dust particles strike other dust particles as they move through the duct. Since metal duct is a conductor, it can be grounded quite easily to dissipate any static electrical charges.

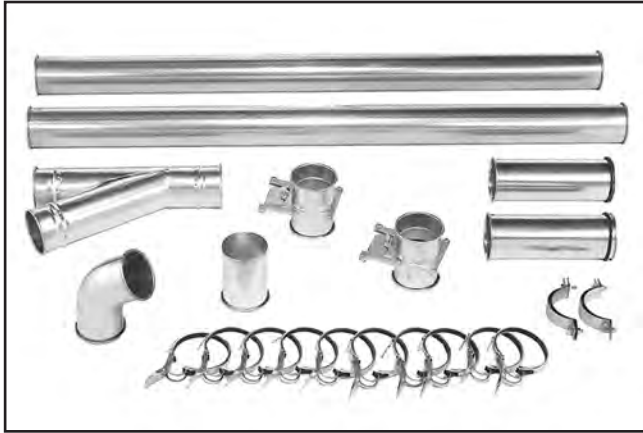


Figure 35. Examples of metal pipe and components.

There are a number of options when it comes to metal duct, but metal duct that is specially manufactured for dust collection is the best choice. When selecting your metal duct, choose high quality metal duct with smooth welded internal seams that will minimize airflow resistance. This type of duct usually connects to other ducts or elbows with a simple, self-sealing clamp, is very quick and easy to assemble, and can be readily dismantled and re-installed. This is especially important if you ever need to change things around in your shop or add more tools.

Avoid inferior metal duct that requires you to cut it to length and snap it together. This type of duct is time consuming to install because it requires you to seal all the seams with silicone and screw the components on the ends with sheet metal screws. Another disadvantage is the rough internal seams and crimped ends that unavoidably increase static pressure loss.

Flexible Duct

Flexible hose is generally used for short runs, small shops and at rigid duct-to-tool connections. There are many different types of flex hose on the market today. These are manufactured from materials such as polyethylene, PVC, cloth hose dipped in rubber and even metal, including steel and aluminum.

The superior choice here is metal flex hose that is designed to be flexible, yet be as smooth as possible to reduce static pressure loss.

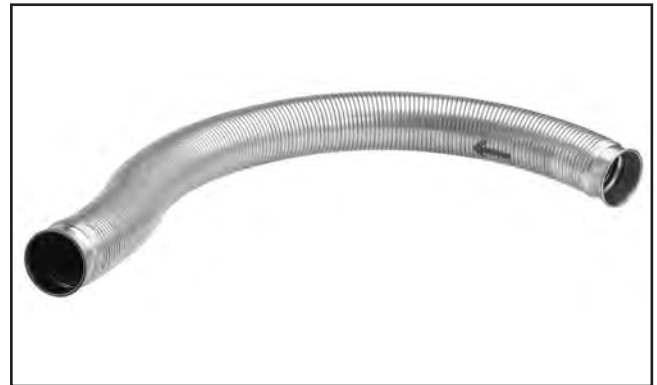


Figure 36. Example of flexible metal duct.

There are also many kinds of pure plastic flexible hose, such as non-perforated drainage type hose and dryer vent hose. Drainage type hose, while being economical, does not quite have the flexibility required for dust collection. The inside of the duct is also deeply corrugated and can increase the static pressure loss by as much as 50% over smooth wall duct. Dryer vent hose, while being completely flexible, is non-resistant to abrasion and has a tendency to collapse in a negative pressure system. We DO NOT recommend using dryer vent hose in your dust collection system.

If using flex-hose, you should choose one of the many types that are designed specifically for the movement of solid particles, i.e. dust, grains, and plastics. However, the cost of specifically designed flexible duct can vary greatly. Grizzly offers polyethylene hose, which is well suited for the removal of particulate matter, especially sawdust, since it is durable and completely flexible. Polyethylene is also very economical and available in a wide variety of diameters and lengths for most applications.



System Design

Step 1. Decide Who Will Design

For most small-to-medium sized shops, you can design and build the dust collection system yourself without hiring engineers or consultants. We have included some basic information here to get you started on a basic design.

If you have a large shop or plan to design a complicated system, we recommend doing additional research beyond this manual or seeking the help of an expert.

Step 2. Sketch Your Shop Layout

When designing a successful dust collection system, planning is the most important step. In this step, sketch a basic layout of your shop, including space requirements of different machines.

Before you get out your pencil and paper, we recommend you visit our **FREE Workshop Planner** available on our website at www.grizzly.com.

Our *Workshop Planner* will allow you to quickly and easily design and print a basic shop layout. Don't worry, non-Grizzly brand machines can be substituted with Grizzly machines for layout purposes. **Note:** After you're finished, make sure to save your layout for later modification.

Your sketch only needs the basic details of the shop layout, similar to the **Figure** below, including all your current/planned machines and your planned placement of the dust collector.

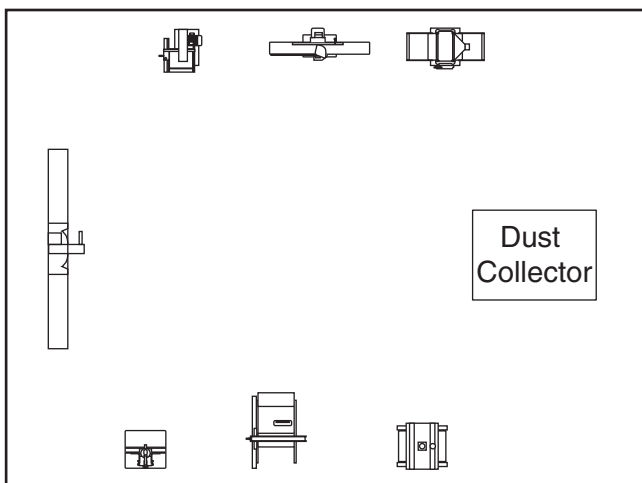


Figure 37. Basic sketch of shop layout.

Step 3. Sketch a Basic Duct Layout

For the next step, sketch how you will connect your machines to the dust collector. Consider these general guidelines for an efficient system:

1. Machines that produce the most saw dust should be placed nearest to the dust collector (i.e. planers and sanders).
2. Ideally, you should design the duct system to have the shortest possible main line and secondary branch ducts. See the figures below for ideas of efficient versus inefficient duct layouts.

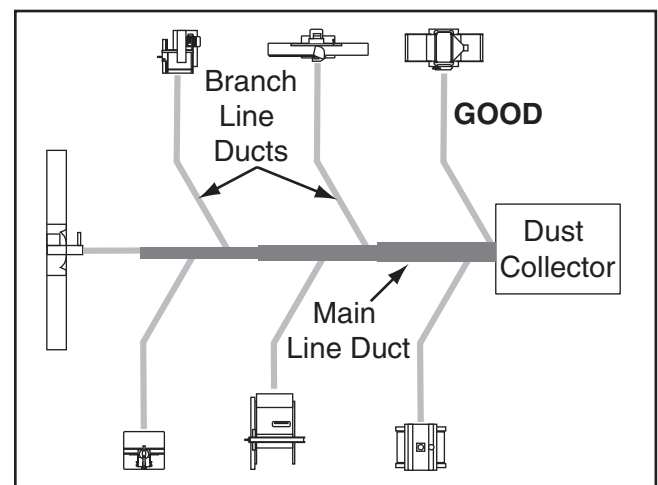


Figure 38. Efficient duct layout.

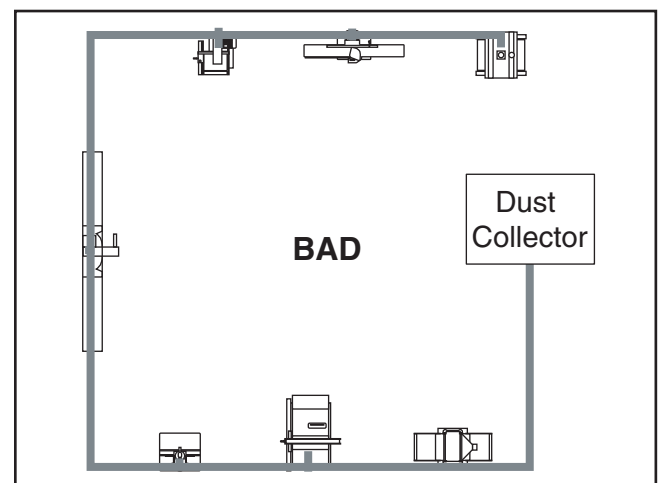


Figure 39. Inefficient duct layout.



3. Directional changes should be kept to a minimum. The more directional change fittings you use directly increases the overall resistance to airflow.
4. Gradual directional changes are more efficient than sudden directional changes (i.e. use the largest corner radius possible when changing hose or pipe direction).
5. Each individual branch line should have a blast gate immediately after the branch to control suction from one machine to another.
6. The simpler the system, the more efficient and less costly it will be.

Step 4. Determine Required CFMs

Since each machine produces a different amount of sawdust, the requirements for the minimum amount of CFM to move that sawdust is unique to the machine (for example, a planer produces more sawdust than a table saw). Knowing this required CFM is important to gauging which size of duct to use.

Refer to the **Figure** below for a close estimation of the airflow each machine requires. Keep in mind that machines that generate the most sawdust should be placed closest to the dust collector. If the machine has multiple dust ports, the total CFM required is the sum of all ports.

Machine Dust Port Size	Approximate Required CFM
2"	98
2.5"	150
3"	220
4"	395
5"	614
6"	884
7"	1203
8"	1570
9"	1990
10"	2456

Figure 40. Approximate required airflow for machines, based on dust port size.

If the machine does not have a built-in dust port, use the following table to determine which size of dust port to install.

Machine	Average Dust Port Size
Table Saw.....	4"
Miter/Radial-Arm Saw.....	2"
Jointer (6" and smaller)	4"
Jointer (8"-12")	5"
Thickness Planer (13" and smaller).....	4"
Thickness Planer (14"-20")	6"
Shaper	4"
Router (mounted to table).....	2"
Bandsaw.....	4"
Lathe.....	4"
Disc Sander (12" and smaller).....	2"
Disc Sander (13-18").....	4"
Belt Sander (6" and smaller)	2"
Belt Sander (7"-9")	3"
Edge Sander (6" x 80" and smaller).....	4"
Edge Sander (6" x 80" and larger)	5"
Drum Sander (24" and smaller).....	2 x 4"
Drum Sander (24" and larger)	4 x 4"
Widebelt Sander (18" and smaller).....	5"
Widebelt Sander (24"-37" single head) ...	2 x 6"
Widebelt Sander (24"-51" double head) ..	5 x 4"

Figure 41. Dust port size and quantity per average machine.

Write the required CFM for each machine on your sketch, as shown in the figure below.

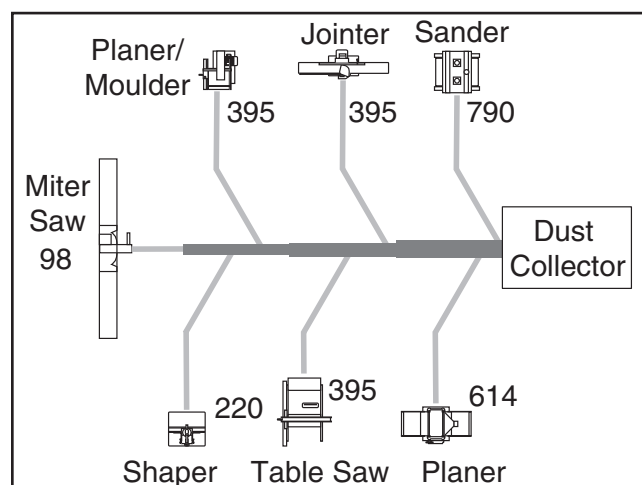


Figure 42. CFM requirements labeled for each machine.



Determining Main Line Duct Size

The general rule of thumb for a main line duct is that the velocity of the airflow must not fall below 3500 FPM.

For small/medium sized shops, using the inlet size of the dust collector as the main line duct size will usually keep the air velocity above 3500 FPM and, depending on your system, will allow you to keep multiple branches open at one time.

Mark your drawing, as shown in the figure below, but using the inlet size for your dust collector as the main line.

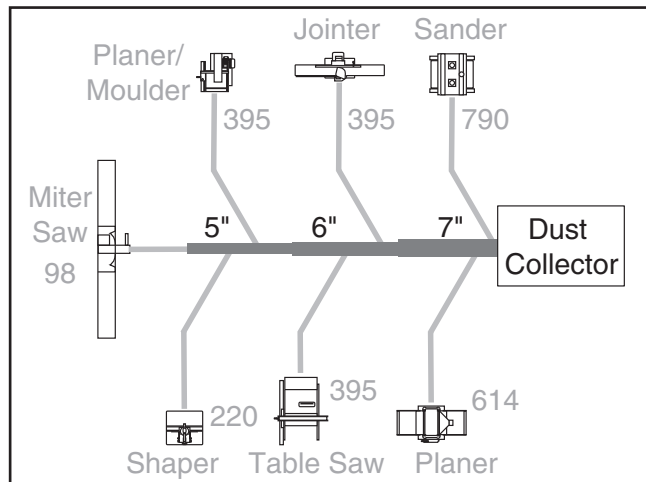


Figure 43. Main line size labeled on sketch.

Determining Branch Line Duct Size

The general rule of thumb for a branch line duct is that the velocity of the airflow must not fall below 4000 FPM.

For small/medium sized shops, using the dust port size from the machine as the branch line duct size will achieve the correct velocity in most applications. However, if the dust port on the machine is smaller than 4\", make the branch line 4\" and neck the line down right before the dust port.

Note: Systems with powerful dust collectors work better if multiple blast gates are left open. This also allows you to run two machines at once. Experiment with different combinations of blast gates open/closed to find the best results for your system.

Write your determined branch line sizes on your drawing, as shown in the following **Figure**.

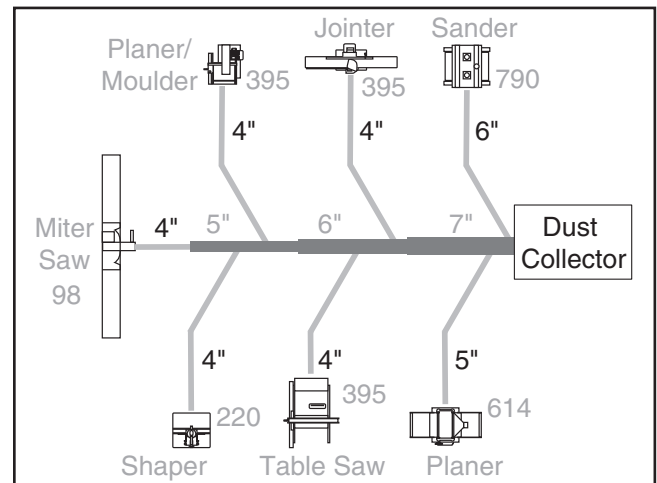


Figure 44. Branch line duct sizes labeled.

Planning Drop Downs

Plan the drop downs for each machine, using blast gates wherever possible to control airflow.

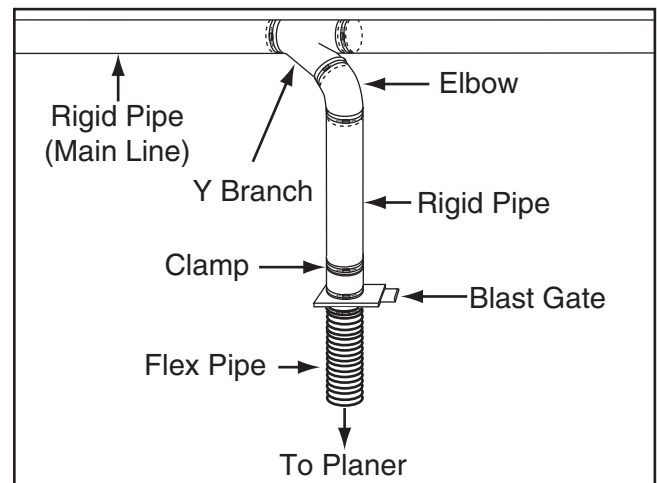


Figure 45. Drop down setup.



Multiple Dust Ports

If your machine has multiple dust ports, add the total CFM given for each dust port size from the table provided in the earlier subsection, **Determine Required CFMs**, then find the closest CFM in the table below to determine the correct branch size. Split the branch line just before the dust ports with matching duct sizes.

Two Machines on Same Branch Line

If two machines will connect to the same branch line and both will operate at the same time, then add the required CFM for each machine together and find the closest total CFM in the table below to determine the correct branch size.

If both machines will never run at the same time, reference the machine with the biggest dust port in the table below and add blast gates after the

Total CFM	Branch Line Size
400	4"
500	4"
600	5"
700	5"
800	6"
900	6"
1000	6"

Calculating Duct Resistance

Adding duct work, elbows, branches and any other components to a duct line increases airflow resistance (static pressure loss). This resistance can be minimized by using rigid (smooth) pipe and gradual curves, as opposed to flexible pipe and 90° elbows.

To help you think about this resistance, imagine riding a bicycle in a tunnel that is an exact replica of your duct work. If the inside of the tunnel is very bumpy (flexible pipe) and has a lot of sharp turns (90° elbows), it will take a lot more effort to travel from one end to the other.

The purpose of calculating the resistance is to determine if it is low enough from the machine to the dust collector to meet the given CFM requirement for the machine. Use the following tables to calculate the resistance of duct work.

Duct Dia.	Approximate Static Pressure Loss Per Foot of Rigid Pipe		Approximate Static Pressure Loss Per Foot of Flex Pipe	
	Main Lines at 3500 FPM	Branch Lines at 4000 FPM	Main Lines at 3500 FPM	Branch Lines at 4000 FPM
2"	0.091	0.122	0.35	0.453
2.5"	0.08	0.107	0.306	0.397
3"	0.071	0.094	0.271	0.352
4"	0.057	0.075	0.215	0.28
5"	0.046	0.059	0.172	0.225
6"	0.037	0.047	0.136	0.18
7"	0.029	0.036	0.106	0.141
8"	0.023	0.027	0.08	0.108
9"	0.017	0.019	0.057	0.079

Fitting Dia.	90° Elbow	45° Elbow	45° Wye(Y)	90° Wye(Y)
3"	0.47	0.235	0.282	0.188
4"	0.45	0.225	0.375	0.225
5"	0.531	0.266	0.354	0.236
6"	0.564	0.282	0.329	0.235
7"	0.468	0.234	0.324	0.216
8"	0.405	0.203	0.297	0.189

Figure 46. Static pressure loss tables.

In most small/medium shops it is only necessary to calculate the line with the longest duct length or the most fittings (operating under the assumption that if the line with the highest resistance works, the others will be fine).

To calculate the static pressure of any given line in the system, follow these steps:

1. Make a list of each size duct in the line, including the length, and multiply those numbers by the static pressure value given in the previous table.
2. List each type of elbow or branch and multiply the quantity (if more than one) by the static pressure loss given in the previous table.



3. Add the additional factors from the following table to your list.

Additional Factors	Static Pressure
Seasoned (well used) Dust Collection Filter	1"
Entry Loss at Large Machine Hood	2"

Figure 47. Additional factors affecting static pressure.

4. Total your list as shown in the example below to come up with your overall static pressure loss number for that line.

Note: Always account for a seasoned filter, so you don't end up with a system that only works right when the filter is clean.

Main Line		
6" Rigid Pipe (0.037) at 20'		0.740
Branch Line		
4" Rigid Pipe (0.075) at 10'		0.750
4" Flex Pipe (0.28) at 5'		1.400
Elbows/Branches		
6" 45° Y-Branch		0.329
4" 45° Elbow		0.225
Additional Factors		
Seasoned Filter		1.000
Total Static Pressure Loss		4.444

Figure 48. Totaling static pressure numbers.

Note: When calculating static pressure loss to determine if multiple lines can be left open at the same time, only include the main line numbers once.

5. Compare the total static pressure loss for that line to the closest CFM given in **Figure 50** for your dust collector on **Page 34**.

Example: A typical **Data Sheet Performance Curve** is illustrated in **Figure 49**. Find 4.4 on the Static Pressure axis (the amount of total static pressure loss calculated in **Figure 48**), then refer to the closest value on the CFM axis—approximately 1120 CFM.

The 1120 CFM for the static pressure loss of the line connected to the router is well above the 220 CFM requirement of that machine.

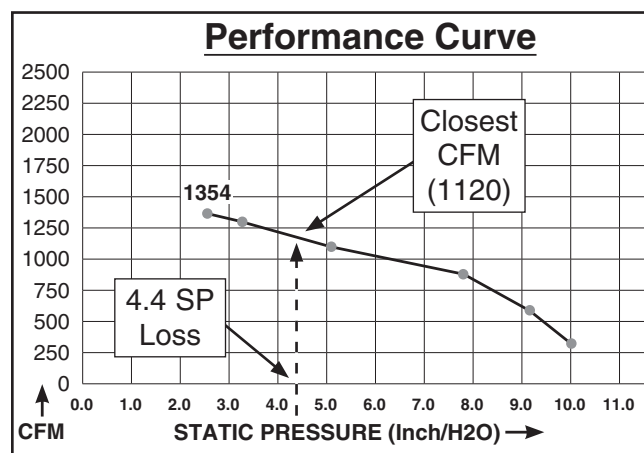


Figure 49. CFM for static pressure loss of line connected to a dust collector & router.

—If the CFM for your static pressure loss is above the requirement of the machine connected to the end of that branch line, then dust collection will most likely be successful. Congratulations! You've just designed your own dust system. Refer to the **Accessories** section on **Page 36** to start buying the components necessary to make your system a reality.

—If the CFM for your static pressure loss is below the requirement of the machine, then that line will not effectively collect the dust. You must then modify some of the factors in that line to reduce the static pressure loss. Some of the ways to do this include 1) installing larger duct, 2) reducing amount of flexible duct used, 3) increasing machine dust port size, 4) moving machine closer to dust collector to eliminate duct length, and 5) reducing 90° elbows or replacing them with 45° elbows.



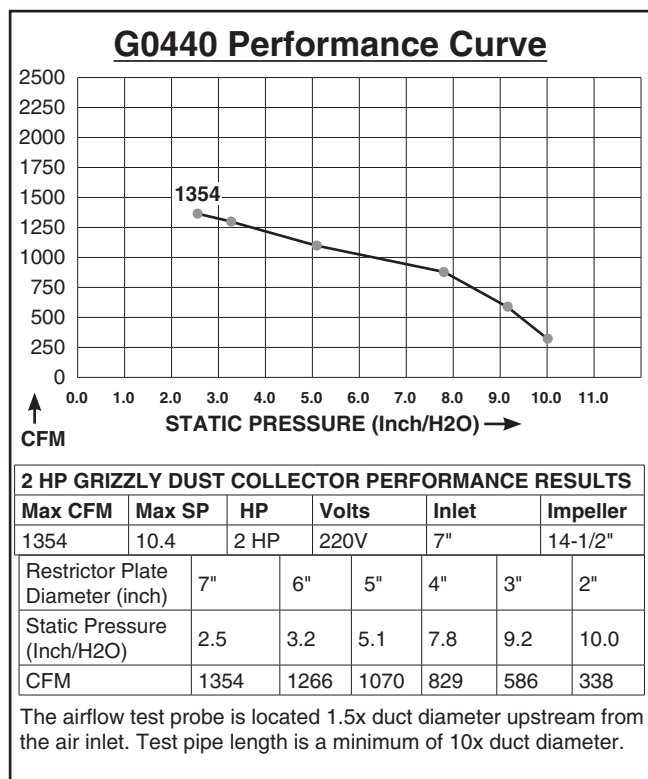


Figure 50. G0440 performance curve chart and data.

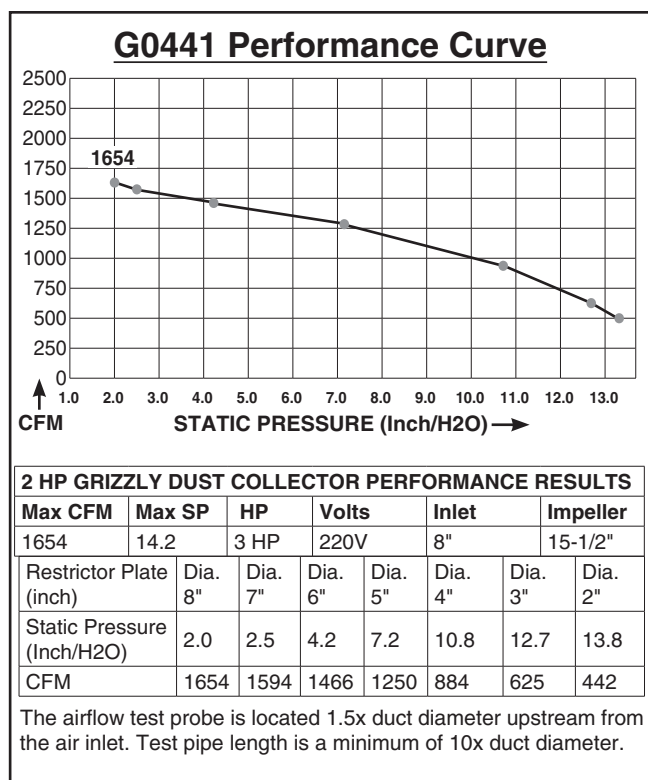


Figure 51. G0441 performance curve chart and data.

Example Materials List

After the system is designed, create a materials list of all the items you will need to build your dust collection system. This will make it easy when it comes time to purchase the materials.

Below is an example of some items that might be needed. Refer to **Accessories** for dust collection components available through grizzly.com.

Description	Model	Quantity
6" Rigid Pipe at 20'	G7364	4
4" Rigid Pipe at 10'	G6162	2
4" Flex Hose at 5'	H7215	6
6" 45° Y-Branch	G7353	6
4" 45° Elbow	G6167	6

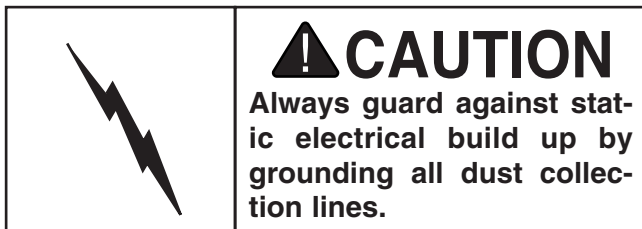


System Grounding

Since plastic hose is abundant, relatively inexpensive, easily assembled and air tight, it is a very popular material for conveying dust from woodworking machines to the dust collector. We recommend using flexible hose (flex-hose) to connect the woodworking machine to the dust collector. However, plastic flex-hose and plastic duct are an insulator, and dust particles moving against the walls of the plastic duct create a static electrical build up. This charge will build until it discharges to a ground. If a grounding medium is not available to prevent static electrical build up, the electrical charge will arc to the nearest grounded source. This electrical discharge may cause an explosion and subsequent fire inside the system.

To protect against static electrical build up inside a non-conducting duct, a bare copper wire should be placed inside the duct along its length and grounded to the dust collector. You must also confirm that the dust collector is continuously grounded through the electrical circuit to the electric service panel.

If you connect the dust collector to more than one machine by way of a non-conducting branching duct system and blast gates, the system must still be grounded as mentioned above. We recommend inserting a continuous bare copper ground wire inside the entire duct system and attaching the wire to each grounded woodworking machine and dust collector.



Be sure that you extend the bare copper wire down all branches of the system. Do not forget to connect the wires to each other with wire nuts when two branches meet at a "Y" or "T" connection.

Ensure that the entire system is grounded. If using plastic blast gates to direct air flow, the grounding wire must be jumped (see the **Figure** below) around the blast gate without interruption to the grounding system.

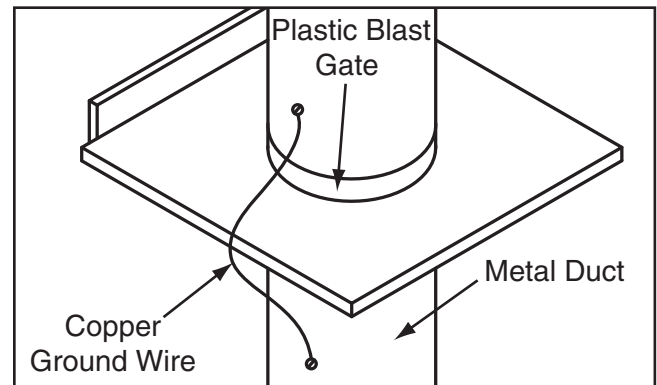


Figure 52. Ground jumper wire when using plastic blast gates and metal duct.

We also recommend wrapping the outside of all plastic ducts with bare copper wire to ground the outside of the system against static electrical build up. Wire connections at Y's and T's should be made with wire nuts.

Attach the bare ground wire to each stationary woodworking machine and attach to the dust collector frame with a ground screw as shown in the **Figure** below. Ensure that each machine is continuously grounded to the grounding terminal in your electric service panel.

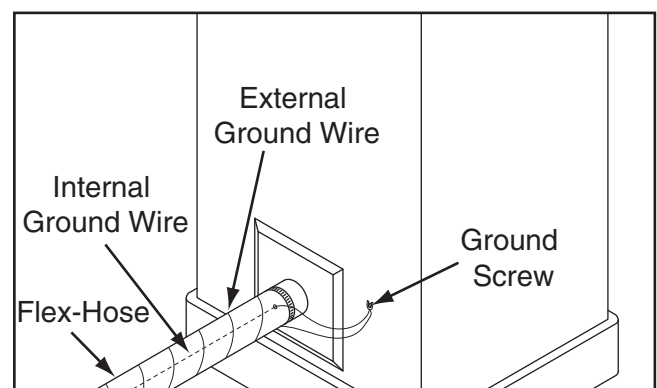
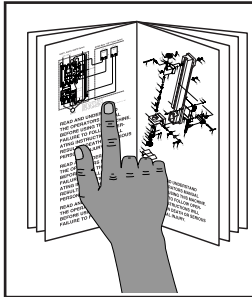


Figure 53. Flex-hose grounded to machine.



SECTION 5: OPERATIONS

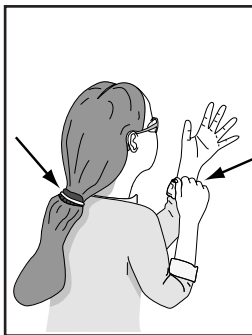
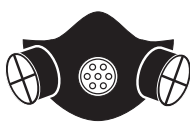


!WARNING

To reduce the risk of serious injury when using this machine, read and understand this entire manual before beginning any operations.

!WARNING

Damage to your eyes, lungs, and ears could result from using this machine without proper protective gear. Always wear safety glasses, a respirator, and hearing protection when operating this machine.



!WARNING

Loose hair, clothing, or jewelry could get caught in machinery and cause serious personal injury. Keep these items away from moving parts at all times to reduce this risk.

NOTICE

If you have never used this type of machine or equipment before, WE STRONGLY RECOMMEND that you read books, trade magazines, or get formal training before beginning any projects. Regardless of the content in this section, Grizzly Industrial will not be held liable for accidents caused by lack of training.

Remote Control

The remote control for the Model G0440/G0441 is IR (infrared) rather than RF (radio frequency) to prevent accidental startups by other common RF items, such as garage door openers.

Because this remote system is IR, you must point the remote control directly at the switch to make it operate.

If you plan on placing your dust collector in a different room or outside of your shop, you must mount the switch in the shop and wire it through the wall to the dust collector to make use of the remote control.

General

Operating the Model G0440/G0441 is simple and straightforward. Turn the dust collector **ON**, then turn the machine **ON**. When you are finished with the machine operation, turn the machine **OFF**, then turn the dust collector **OFF**.

Blast gates can be used at the start of each branch line to control the air flow from the woodworking machine to the dust collector. If a machine is not being used, keep the blast gate closed to maintain higher levels of efficiency throughout the system.



SECTION 6: ACCESSORIES

⚠ WARNING

Some aftermarket accessories can be installed on this machine that could cause it to function improperly, increasing the risk of serious personal injury. To minimize this risk, only install accessories recommended for this machine by Grizzly.

NOTICE

Refer to the newest copy of the Grizzly Catalog for other accessories available for this machine.

Call 1-800-523-4777 To Order

H7499—Stand for G0440

H7509—Stand for G0441

Mounting your dust collector to a stand expands your layout options, and helps protect the dust collector from getting banged up. Also greatly decreases overall noise and vibration that is an inherent part of wall mounting.



Figure 54. Cyclone mounted on stand.

H5294—4" Metal Duct Machine Addition Kit

H5296—5" Metal Duct Machine Addition Kit

H5298—6" Metal Duct Machine Addition Kit

Save over 20% with this great machine addition kit. Includes: (2) blast gates, (1) machine adapter, (10) pipe clamps, (2) pipe hangers, (2) 5' straight pipes, (2) adjustable nipples, (1) branch, and (1) 60° elbow.

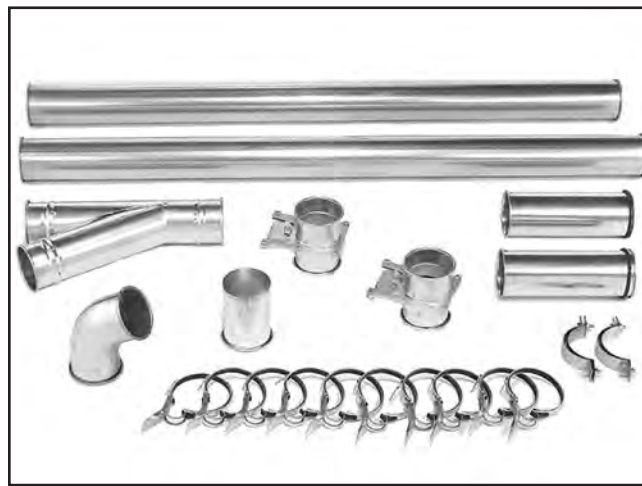


Figure 55. Metal Duct Machine Addition Kit.

H7215—4" x 5' Rigid Metal Flex Hose

H7216—5" x 5' Rigid Metal Flex Hose

H7217—6" x 5' Rigid Metal Flex Hose

H7218—7" x 5' Rigid Metal Flex Hose

H7219—8" x 5' Rigid Metal Flex Hose

This flex hose provides just enough flexibility to make difficult connections while still keeping the inside wall as smooth as possible to minimize static pressure loss.

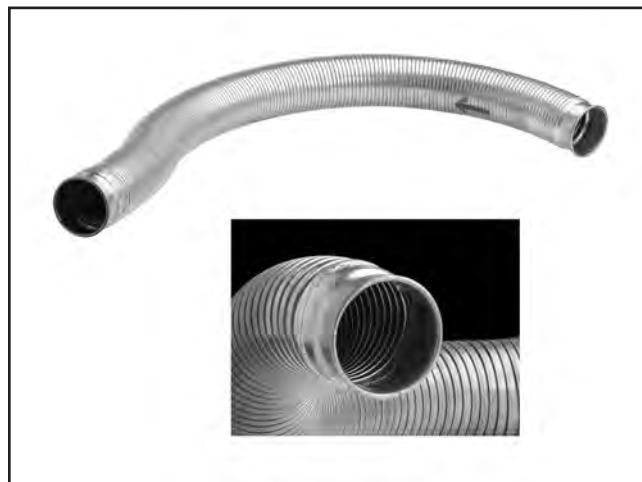


Figure 56. Rigid Metal Flex Hose.



G6163—4" Clamp
G7343—5" Clamp
G7361—6" Clamp
H5228—7" Clamp
H5238—8" Clamp
H5253—9" Clamp

These clamps feature lever latches and foam seals, and secure around the rolled ends of fittings and pipe.



Figure 57. Dust collection pipe clamps.

G2752—4" Rolling Floor Sweep
G2753—4" Bench Dust Collection Attachment
G2754—4" Floor Dust Collection Attachment

These attachments are indispensable for collecting dust at machines without a port. The rolling floor sweep is also a convenient way to keep the shop floor or workbench top clean! Designed for use with 4" flexible hose (not included).



Figure 58. Dust collection attachments.

W1039—Universal Adapter

This seven step adapter provides a multitude of dust collection reducing options. Simply cut away unneeded steps with a hacksaw. Outside diameter step sizes include 1", 2", 2.5", 3", 4", 5", and 6". Wall thickness is 1/8".



Figure 59. W1039 Universal Adapter.

G0572—Hanging Air Cleaner w/Remote

Unfortunately, not even the best dust collection systems get all the dust. This is why it is extremely important to have one or two air cleaners to claim the fine dust suspended in the air. This model features a convenient remote control, three speeds, an automatic shutoff timer, and a 2-stage filter system (5 micron outer and 1 micron inner). Easily the best value in its class!

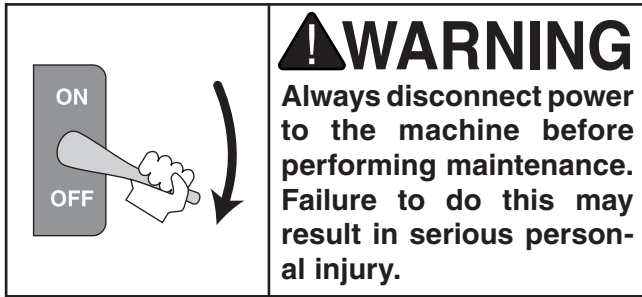


Figure 60. G0572 Hanging Air Cleaner.

Call 1-800-523-4777 To Order



SECTION 7: MAINTENANCE



Emptying Drum

Empty the collection drum when it is no more than $\frac{3}{4}$ full. If the drum is overfilled, dust will be sucked into the inlet cylinder and pass through to the filter.

How quickly the drum fills up is based on the type of work being done at that time.

A machine that produces fine dust, such as a sander or table saw, will slowly fill the drum.

A machine that produces curly shavings, such as a planer or jointer, will quickly fill the drum.

Until you are familiar with long it takes the cyclone to fill the drum, check it regularly to get an idea of how often it needs to be emptied.

Cleaning Filter

Your new cyclone dust collector has a gentle brush system inside the filter for cleaning. This brush system is controlled by the red and black handles shown in **Figure 61**.

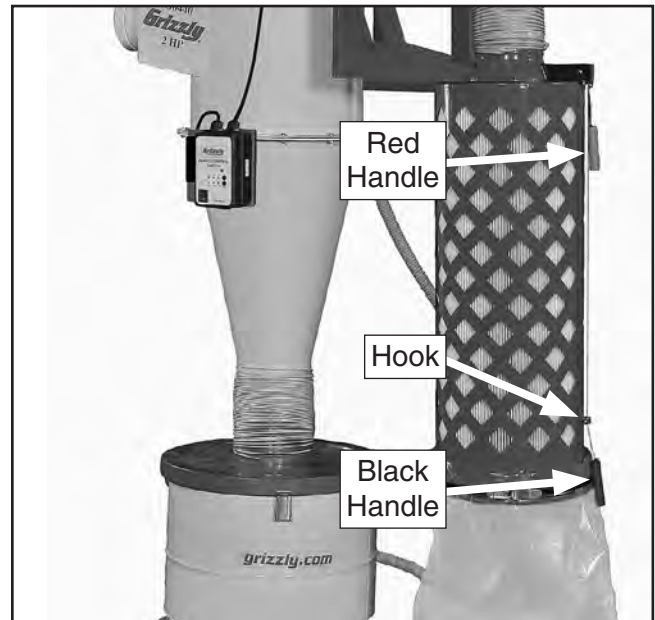


Figure 61. Brush handles for cleaning the filter.

To clean the filter, pull the red handle down all the way, then pull the black handle down and hook it in place.

Always make sure to leave the red handle in the up position to ensure that the brushes return to their proper position and do not restrict the filter.

Rinsing Filter

For a thorough cleaning, the filter can be removed and rinsed off. However, make sure to clean the filter with the brush system first. Allow the filter to air dry, but never leave the filter in the sun to dry or it could become damaged. Refer to **Removing/Replacing Filter** on the next page for detailed instructions in removing the canister filter.



Removing/Replacing Filter

The filter inside the canister assemblies can be removed from the assembly so that it can be replaced or rinsed off.

Removing/installing the filter requires removing the canister filter assembly from the dust collector and disassembling it. Follow the instructions below to perform this procedure.

When replacing the filter for the G0440 ask for part number **P0440032V2-4**. For the G0441, ask for part number **P04410032V2-4** from Grizzly at 800-523-4777.

Tools Needed	Qty
Open-End Wrench 10mm.....	1
Wrench or Socket 12mm.....	2

To replace the canister filter:

1. DISCONNECT MACHINE FROM POWER!
2. Remove the bag clamp and collection bag from the canister assembly.
3. Pull the black handle all the way down and secure the cable into the handle hook at the bottom of the canister assembly, as shown in **Figure 62**, to hold it in place during the following steps.

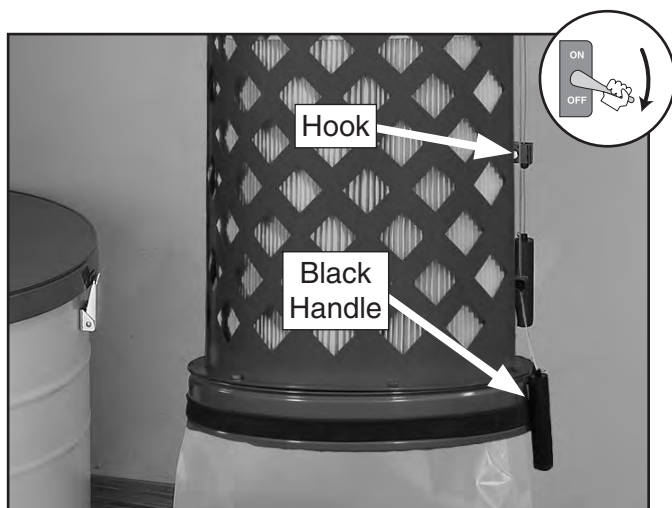


Figure 62. Black handle cable secured in the handle hook.

4. Remove the canister assembly from the dust collector and place it right-side up on a stable, flat surface.
5. Remove the six hex bolts, hex nuts, and flat washers from the rim of the canister base, as shown in **Figure 63**.

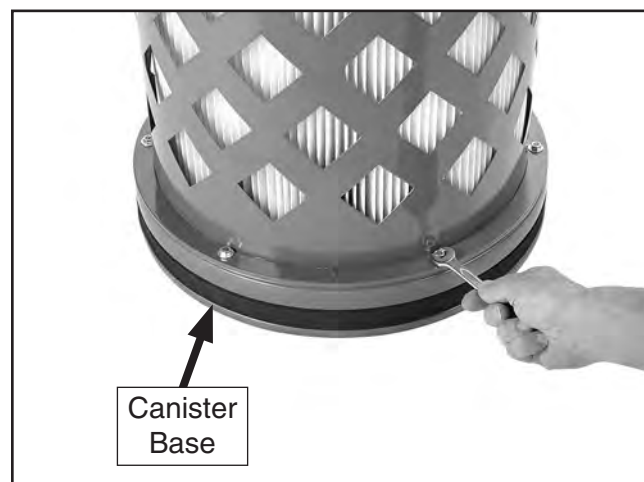


Figure 63. Removing the hex nuts and flat washers from the rim of the canister base.

6. With help from another person to steady the canister assembly, turn it upside down and remove the two hex bolts, hex nuts, and flat washers from the cross support (see **Figure 64**), then remove the canister base from the assembly.

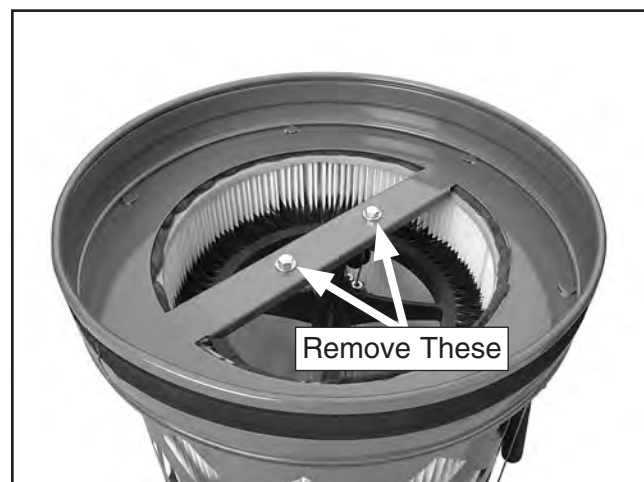


Figure 64. Cross support fasteners.



7. Carefully lift the filter out of the canister assembly, as shown in **Figure 65**.



Figure 65. Removing the filter from the canister assembly.

8. Before re-inserting a filter into the assembly, make sure that the filter brush base is aligned with two of the fastener holes around the base of the assembly (see **Figure 66**). This will allow the canister base to align with the fastener holes around the brush base.



Figure 66. Filter brush base aligned with assembly fastener holes.

9. Re-insert a filter into the canister assembly.

Note: Make sure the bristles of the brush are straight to ensure efficient cleaning of the filter when needed.

10. Re-attach the canister base in the reverse order that you removed it.
11. Re-attach the canister assembly to the dust collector, then re-install a fresh collection bag with the bag clamp.



SECTION 8: SERVICE

Review the troubleshooting and procedures in this section to fix or adjust your machine if a problem develops. If you need replacement parts or you are unsure of your repair skills, then feel free to call our Technical Support at (570) 546-9663.

Troubleshooting

Symptom	Possible Cause	Possible Solution
Motor will not start, or it growls on start up.	1. Power supply fuse or circuit breaker has tripped. 2. Toggle switch is broken inside. 3. Start capacitor is at fault. 4. Motor fan cover is dented. 5. Motor is at fault.	1. Disconnect power, and inspect circuit for electrical shorts and repair; replace circuit breaker 2. Disconnect power, and check/replace switch. 3. Replace start capacitor. 4. Replace motor fan cover (and fan, if damaged). 5. Replace motor.
Motor runs slower than normal.	1. Poor electrical connection. 2. Low power source voltage. 3. Motor is at fault.	1. Inspect the power supply for loose, corroded, or overheated electrical connections and repair. 2. Have the power source voltage checked; reduce the length of extension cord. 3. Replace the motor.
Loud, repetitious noise, or excessive vibration coming from dust collector.	1. Dust collector is not on a flat surface and wobbles. 2. Impeller fan is damaged and unbalanced. 3. The motor mounting is loose. 4. Impeller is loose on the motor shaft. 5. Motor fan cover is dented, causing the motor fan to hit the cover while spinning.	1. Stabilize the dust collector. 2. Unplug dust collector, and inspect the impeller for dents, bends, loose fins; replace. 3. Re-tighten all fasteners on the dust collector. 4. Replace the motor and impeller as a set if the motor shaft and the impeller hub is damaged. 5. Replace motor fan cover.
Dust collector does not adequately collect dust or chips; poor performance.	1. Dust collection drum is full. 2. Filter is dirty. 3. Restriction in the duct line. 4. The dust collector is too far away from the point of suction, or there are too many sharp bends in the ducting. 5. The lumber is wet and not flowing through the dust lines smoothly. 6. There is a leak in the ducting, or a series of small leaks, or too many open ports. 7. There are not enough open branch lines at one time, thereby causing a velocity drop in the main line. 8. The ducting and ports are incorrectly sized. 9. The machine dust collection design is inadequate. 10. The dust collector is too small for the dust collection system.	1. Empty collection drum. 2. Clean filter. 3. Remove dust line from dust collector inlet and unblock the restriction in the duct line. A plumbing snake may be necessary. 4. Relocate the dust collector closer to the point of suction, and rework ducting without sharp bends. Refer to <i>System Design</i>, beginning on Page 27. 5. Process lumber with less than 20% moisture content. 6. Rework the ducting to eliminate all leaks. Close dust ports for lines not being used. Refer to <i>System Design</i> on Page 27 for more solutions. 7. Open 1 or 2 more blast gates to different branch lines to allow the velocity in the main line to increase. 8. Reinstall correctly sized ducts and fittings. Refer to <i>System Design</i> on Page 27 for more solutions. 9. Use a dust collection nozzle on a stand. 10. Install a larger dust collector to power your dust collection system.



SECTION 9: WIRING

These pages are current at the time of printing. However, in the spirit of improvement, we may make changes to the electrical systems of future machines. Study this section carefully. If there are differences between your machine and what is shown in this section, call Technical Support at (570) 546-9663 for assistance BEFORE making any changes to the wiring on your machine.

WARNING

Wiring Safety Instructions

SHOCK HAZARD. Working on wiring that is connected to a power source is extremely dangerous. Touching electrified parts will result in personal injury including but not limited to severe burns, electrocution, or death. Disconnect the power from the machine before servicing electrical components!

MODIFICATIONS. Modifying the wiring beyond what is shown in the diagram may lead to unpredictable results, including serious injury or fire. This includes the installation of unapproved after-market parts.

WIRE CONNECTIONS. All connections must be tight to prevent wires from loosening during machine operation. Double-check all wires disconnected or connected during any wiring task to ensure tight connections.

CIRCUIT REQUIREMENTS. You MUST follow the requirements at the beginning of this manual when connecting your machine to a power source.

WIRE/COMPONENT DAMAGE. Damaged wires or components increase the risk of serious personal injury, fire, or machine damage. If you notice that any wires or components are damaged while performing a wiring task, replace those wires or components.

MOTOR WIRING. The motor wiring shown in these diagrams is current at the time of printing but may not match your machine. If you find this to be the case, use the wiring diagram inside the motor junction box.

CAPACITORS/INVERTERS. Some capacitors and power inverters store an electrical charge for up to 10 minutes after being disconnected from the power source. To reduce the risk of being shocked, wait at least this long before working on capacitors.

EXPERIENCING DIFFICULTIES. If you are experiencing difficulties understanding the information included in this section, contact our Technical Support at (570) 546-9663.

NOTICE

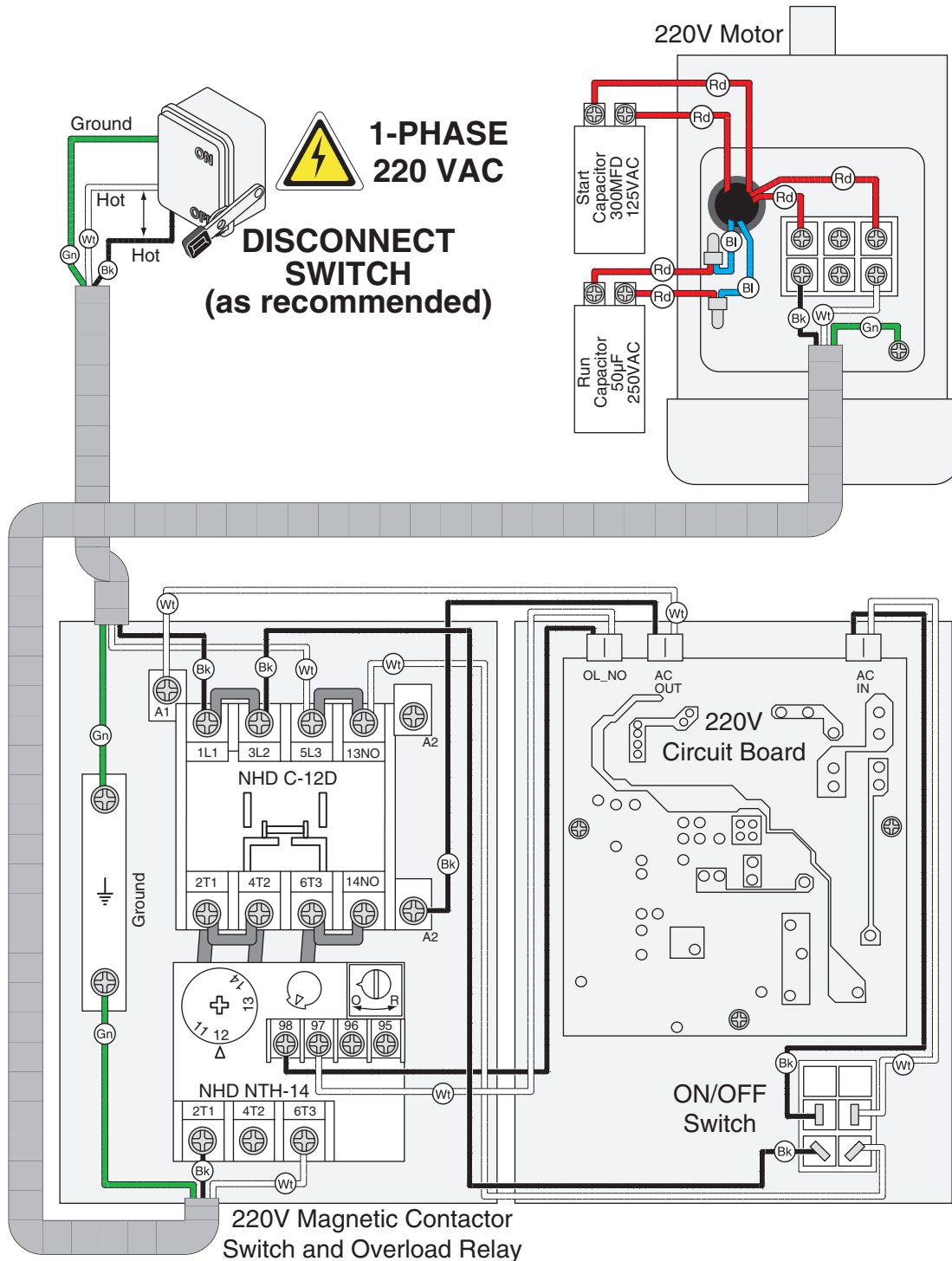
The photos and diagrams included in this section are best viewed in color. You can view these pages in color at www.grizzly.com.

COLOR KEY

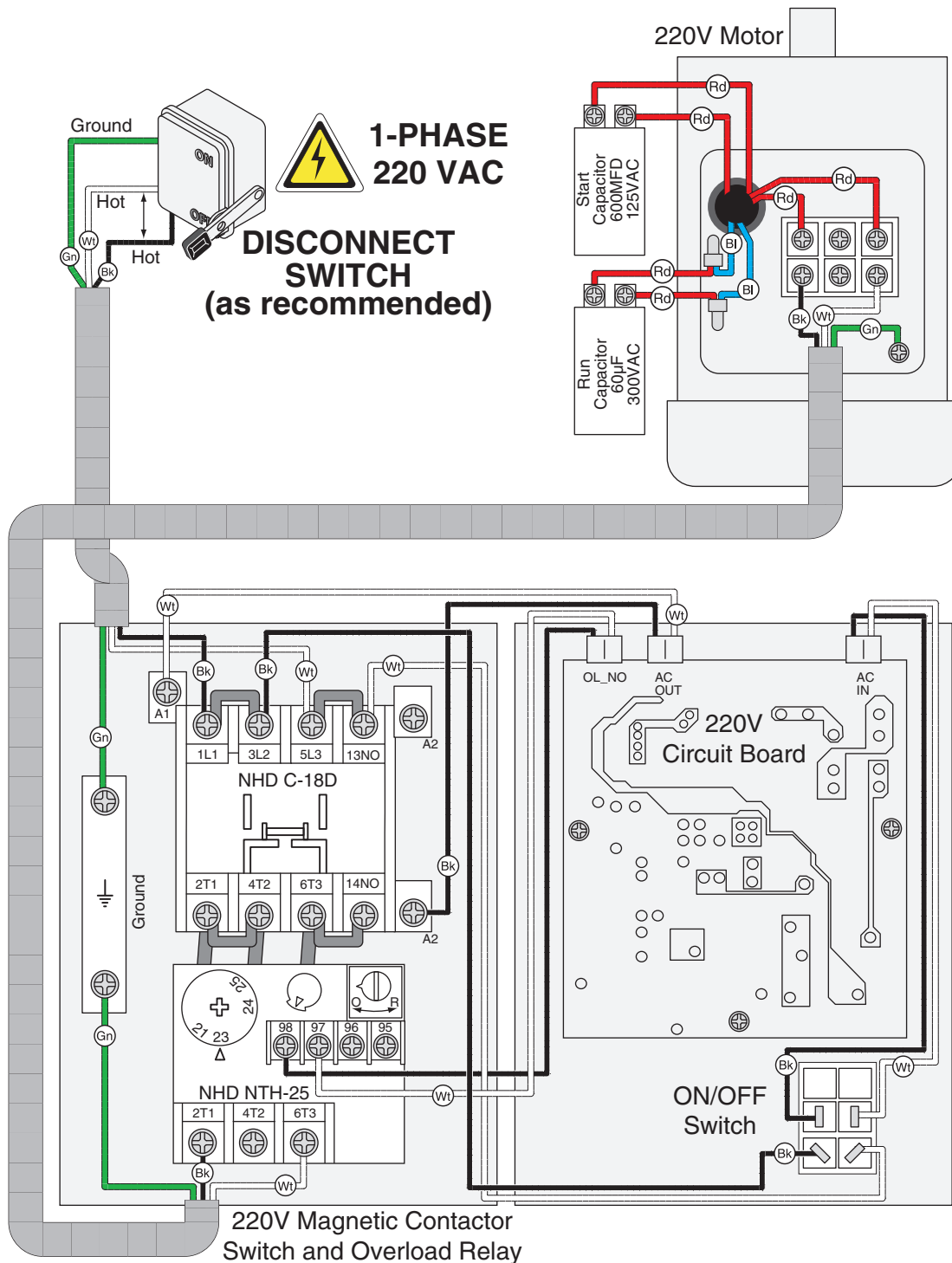
BLACK 	BLUE 	YELLOW 	LIGHT BLUE 
WHITE 	BROWN 	YELLOW GREEN 	BLUE WHITE 
GREEN 	GRAY 	PURPLE 	TURQUOISE 
RED 	ORANGE 	PINK 	



G0440 Wiring Diagram



G0441 Wiring Diagram



G0440/G0441 Electrical Components

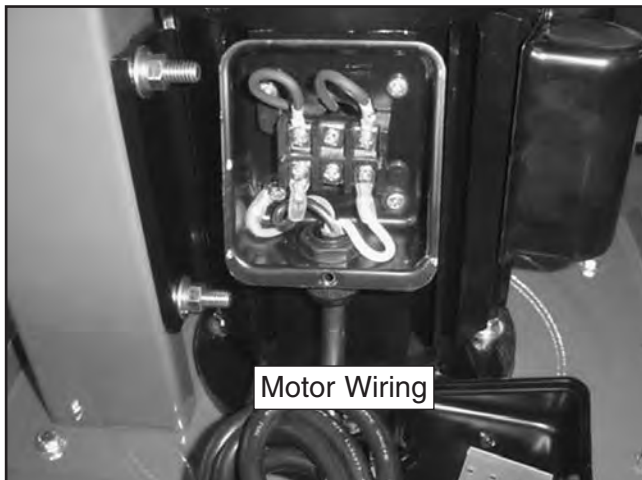


Figure 67. Motor wiring.

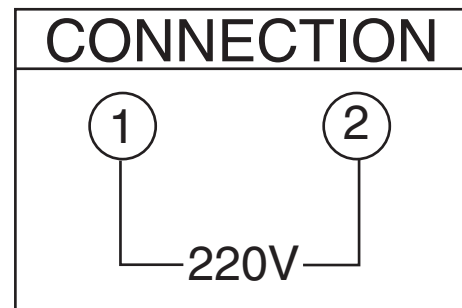


Figure 68. Motor wiring schematic.

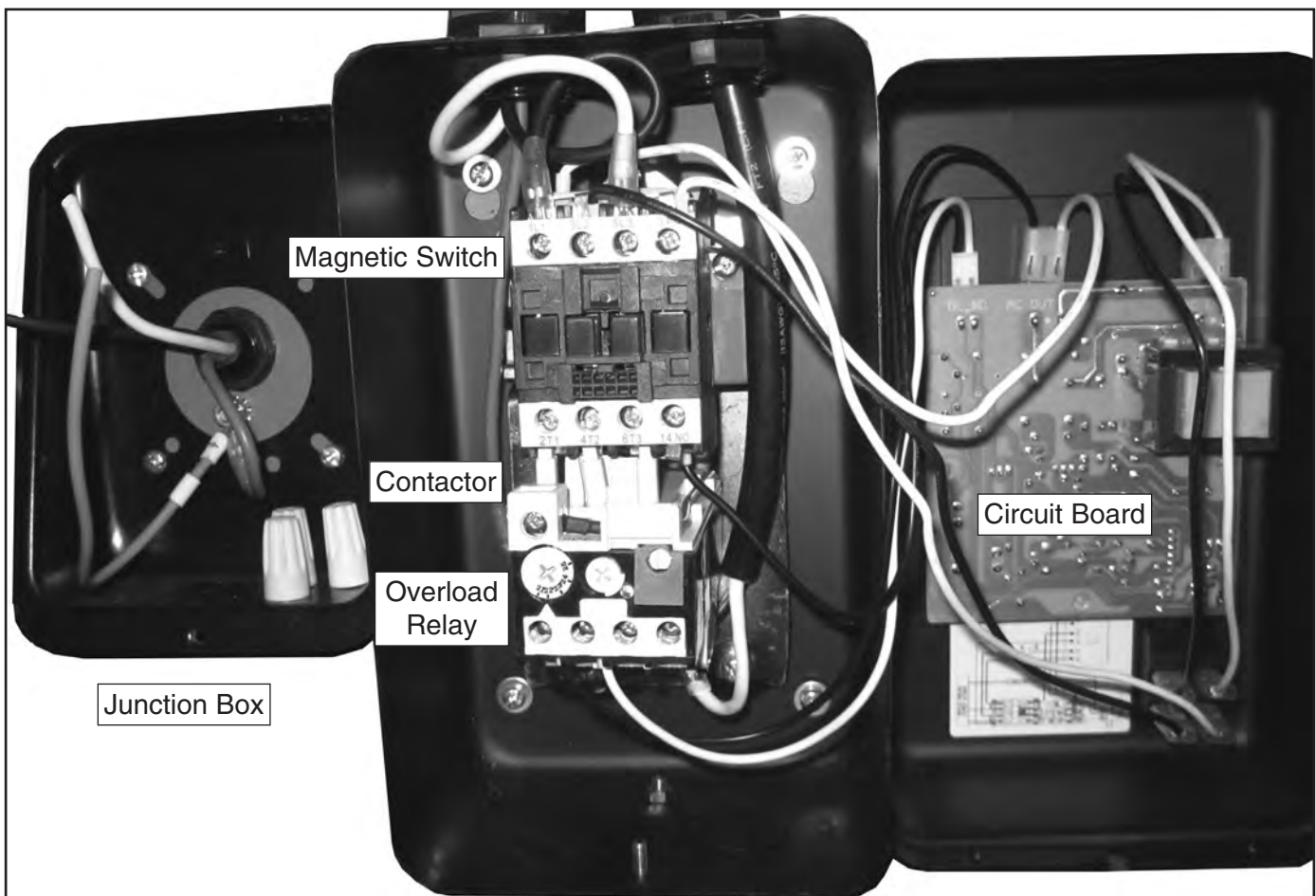
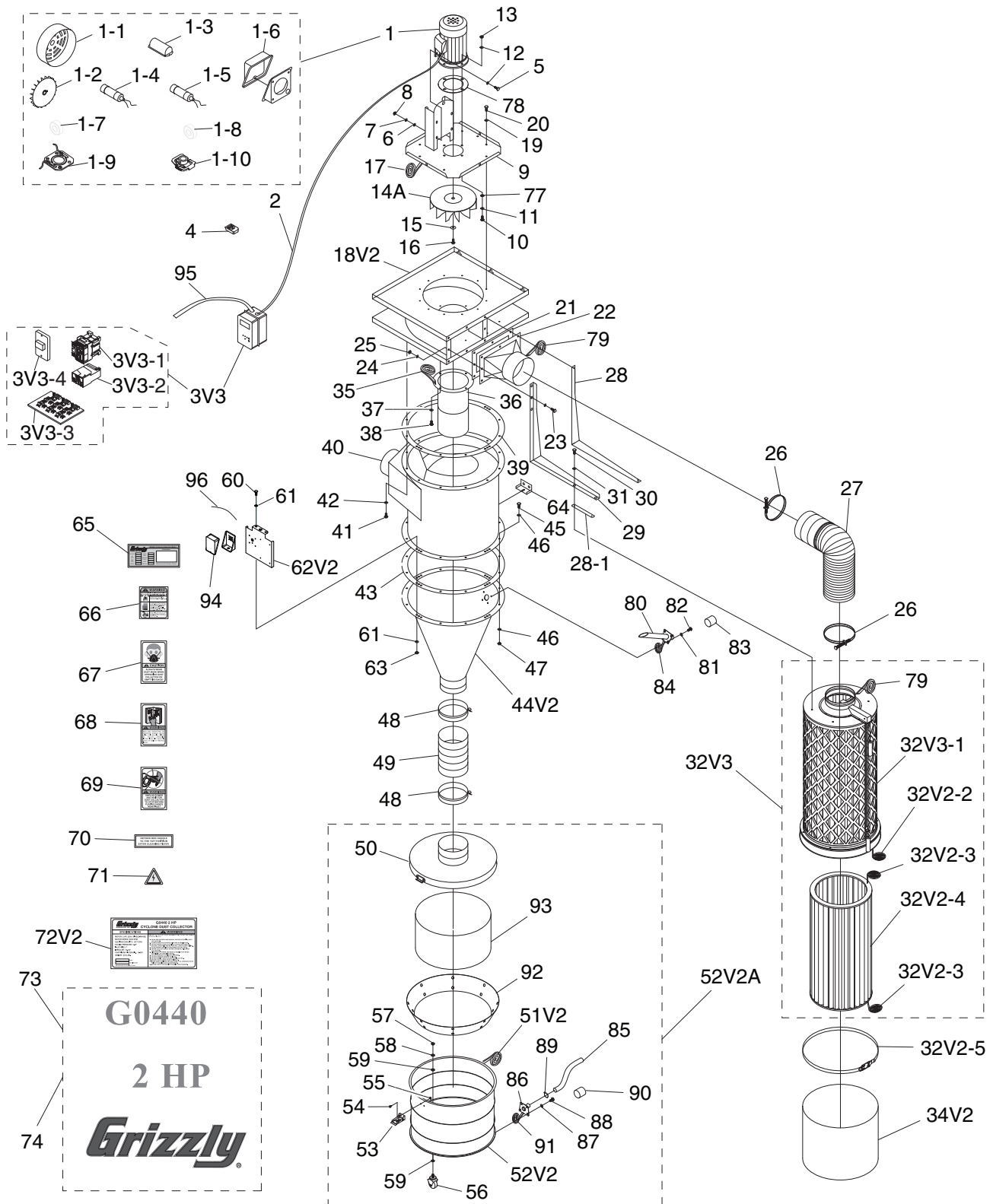


Figure 69. G0441 magnetic switch assembly.

SECTION 10: PARTS

G0440 Main



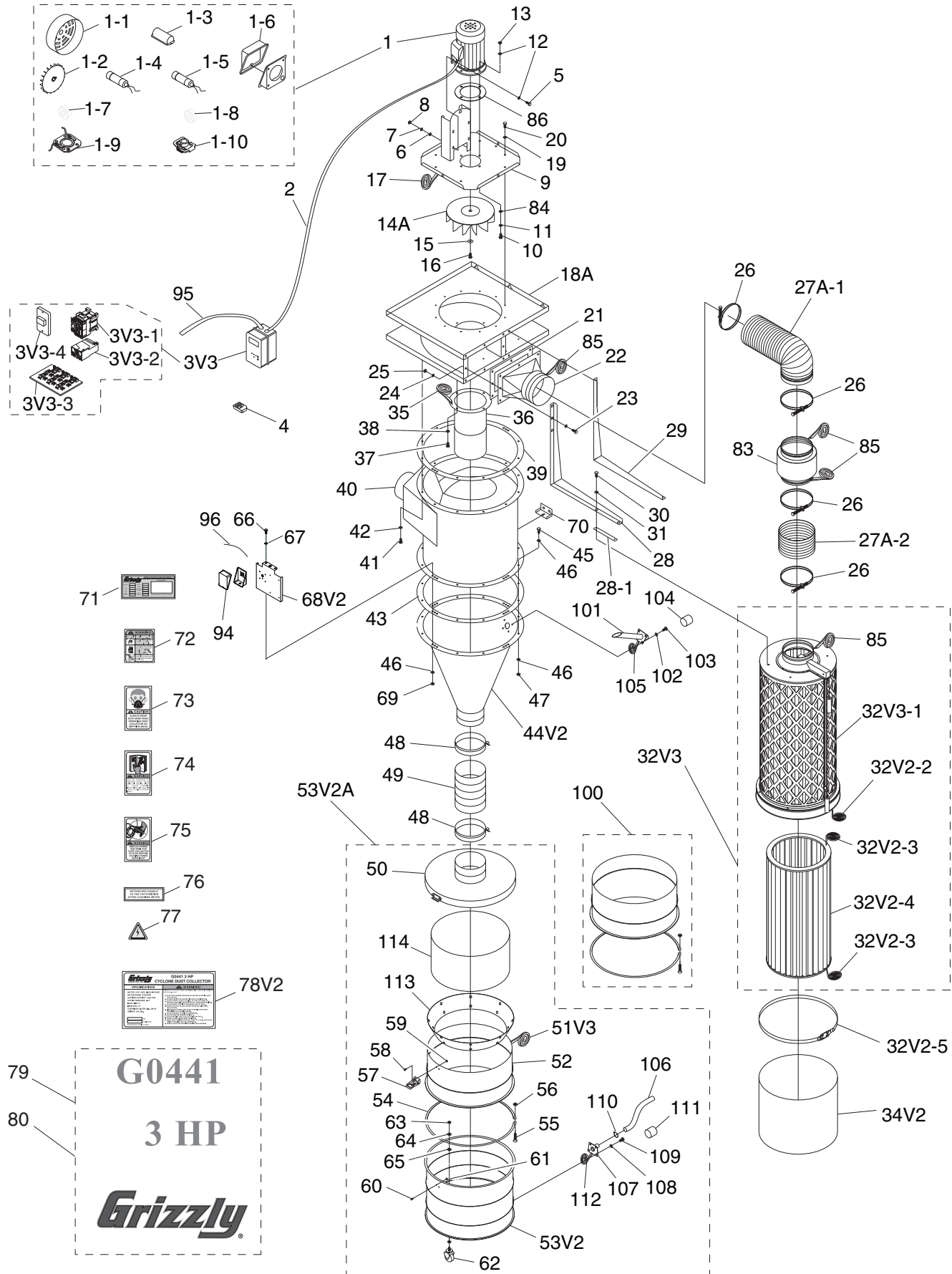
G0440 Parts List

REF	PART #	DESCRIPTION
1	P0440001	MOTOR 2HP 220V 1-PH
1-1	P0440001-1	MOTOR FAN COVER
1-2	P0440001-2	MOTOR FAN
1-3	P0440001-3	CAPACITOR COVER
1-4	P0440001-4	S CAPACITOR 300M 125V 1-3/4 X 3-3/8
1-5	P0440001-5	R CAPACITOR 50M 250V 1-5/8 X 3-1/2
1-6	P0440001-6	JUNCTION BOX
1-7	P0440001-7	BALL BEARING 6205ZZ
1-8	P0440001-8	BALL BEARING 6203ZZ
1-9	P0440001-9	CONTACT PLATE
1-10	P0440001-10	CENTRIFUGAL SWITCH 3450
2	P0440002	MOTOR CORD 12G 3C
3V3	P0440003V3	REMOTE MAG SWITCH 220V V3.01.12
3V3-1	P0440003V3-1	CONTACTOR NHD C-12D 220V
3V3-2	P0440003V3-2	OL RELAY NHD NTH-14 11-14A
3V3-3	P0440003V3-3	CIRCUIT BOARD 220V W/TRANSFORMER
3V3-4	P0440003V3-4	ON/OFF SWITCH 110V/220V
4	P0440004	REMOTE CONTROLLER
5	P0440005	HEX BOLT 3/8-16 X 1-1/2
6	P0440006	FLAT WASHER 3/8
7	P0440007	LOCK WASHER 3/8
8	P0440008	HEX NUT 3/8-16
9	P0440009	BLOWER COVER
10	P0440010	HEX BOLT 3/8-16 X 1
11	P0440011	FENDER WASHER 3/8
12	P0440012	LOCK WASHER 3/8
13	P0440013	HEX NUT 3/8-16
14A	P0440014A	IMPELLER 14-1/2" V2.02.06
15	P0440015	IMPELLER FENDER WASHER 3/8
16	P0440016	HEX BOLT 3/8-16 X 1 LH
17	P0440017	FOAM TAPE 3 X 6 X 1600MM
18V2	P0440018V2	BLOWER HOUSING 14.5" IMP V2.02.06
19	P0440019	FLAT WASHER 5/16
20	P0440020	HEX BOLT 5/16-18 X 3/4
21	P0440021	OUTLET GASKET 306 X 226MM
22	P0440022	OUTLET PORT
23	P0440023	HEX BOLT 5/16-18 X 1
24	P0440024	FLAT WASHER 5/16
25	P0440025	HEX NUT 5/16-18
26	P0440026	HOSE CLAMP 7"
27	P0440027	GRAY FLEX PIPE 7" X 800MM
28	P0440028	FILTER L-BRACE (LH)
28-1	P0440028-1	BRACE GASKET 155 X 37MM
29	P0440029	FILTER L-BRACE (RH)
30	P0440030	HEX BOLT 5/16-18 X 3/4
31	P0440031	FLAT WASHER 5/16
32V3	P0440032V3	CANISTER ASSEMBLY (BEIGE) V3.07.12
32V3-1	P0440032V3-1	CANISTER CAGE ASSY (BEIGE) V3.07.12
32V2-2	P0440032V2-2	FOAM TAPE 3 X 25 X 1400MM V2.11.09
32V2-3	P0440032V2-3	FOAM TAPE 3 X 35 X 1255MM V2.11.09
32V2-4	P0440032V2-4	CAN FILTER 386MM W/FOAM TAPE V2.11.09
32V2-5	P0440032V2-5	BAG CLAMP 445MM V2.11.09
34V2	P0440034V2	PLASTIC BAG 470 X 600MM V2.11.09
35	P0440035	FOAM TAPE 3 X 6 X 1600MM
36	P0440036	INTAKE CYLINDER 10"
37	P0440037	FLAT WASHER 5/16
38	P0440038	HEX BOLT 5/16-18 X 3/4

REF	PART #	DESCRIPTION
39	P0440039	BARREL GASKET 584MM DIA.
40	P0440040	INTAKE BARREL 20"
41	P0440041	HEX BOLT 5/16-18 X 3/4
42	P0440042	FLAT WASHER 5/16
43	P0440043	BARREL GASKET 584MM DIA.
44V2	P0440044V2	CYCLONE FUNNEL 20" V2.08.10
45	P0440045	HEX BOLT 5/16-18 X 1
46	P0440046	FLAT WASHER 5/16
47	P0440047	HEX NUT 5/16-18
48	P0440048	HOSE CLAMP 9"
49	P0440049	CLEAR FLEX PIPE 9" x 200MM
50	P0440050	COLLECTION DRUM LID V2.08.06
51V2	P0440051V2	DRUM SEAL TYPE-T 2.1M V2.11.09
52V2A	P0440052V2A	COLLECTION DRUM ASSY 35GAL V2.08.10
52V2	P0440052V2	COLLECTION DRUM 35GAL V2.08.10
53	P0440053	DRUM LID LATCH ASSEMBLY
54	P0440054	PHLP HD SCR 10-24 X 3/8
55	P0440055	HEX NUT 10-24
56	P0440056	CASTER 2"
57	P0440057	HEX NUT 3/8-16
58	P0440058	LOCK WASHER 3/8
59	P0440059	FLAT WASHER 3/8
60	P0440060	HEX BOLT 5/16-18 X 1
61	P0440061	FLAT WASHER 5/16
62V2	P0440062V2	SWITCH MOUNTING BRACKET V2.01.12
63	P0440063	HEX NUT 5/16-18
64	P0440064	WALL MOUNTING BRACE
65	P0440065	MOTOR SPEC LABEL
66	P0440066	MOTOR WARNING LABEL
67	P0440067	GLASSES/RESPIRATOR LABEL
68	P0440068	READ MANUAL LABEL
69	P0440069	HANDS/INLET LABEL
70	P0440070	RETURN RED HANDLE LABEL
71	P0440071	ELECTRICITY LABEL
72V2	P0440072V2	MACHINE ID LABEL CSA V2.01.12
73	P0440073	MODEL NO/HP/GRIZZLY LABEL (LARGE)
74	P0440074	MODEL NO/HP/GRIZZLY LABEL (SMALL)
77	P0440077	EXT TOOTH WASHER 3/8
78	P0440078	MOTOR MOUNT GASKET
79	P0440079	FOAM TAPE 3 X 15 X 600MM
80	P0440080	CYCLONE VACUUM TUBE
81	P0440081	FLAT WASHER 5/16
82	P0440082	HEX BOLT 5/16-18 X 3/4
83	P0440083	TUBE PLUG 1-1/4"
84	P0440084	FOAM TAPE 3 X 6 X 300MM
85	P0440085	VACUUM HOSE 1-1/4" X 98"
86	P0440086	COLLECTION DRUM VACUUM TUBE
87	P0440087	FLAT WASHER 5/16
88	P0440088	HEX BOLT 5/16-18 X 3/4
89	P0440089	HOSE CLAMP 1-1/4"
90	P0440090	TUBE PLUG 1-1/4"
91	P0440091	FOAM TAPE 3 X 6 X 300MM
92	P0440092	COLLECTION DRUM VACUUM RING
93	P0440093	DRUM COLLECTION BAG 640 X 1000MM
94	P0440094	JUNCTION BOX
95	P0440095	JUNCTION BOX CORD 12G 3C 12"
96	P0440096	GROUNDING WIRE 12G 6" (GREEN)



G0441 Main



G0441 Parts List

REF	PART #	DESCRIPTION
1	P0441001	MOTOR 3HP 220V 1-PH
1-1	P0441001-1	MOTOR FAN COVER
1-2	P0441001-2	MOTOR FAN
1-3	P0441001-3	CAPACITOR COVER
1-4	P0441001-4	S CAPACITOR 600M 125V 1-3/4 X 3-3/4
1-5	P0441001-5	R CAPACITOR 60M 300V 1-5/8 X 3-1/2
1-6	P0441001-6	JUNCTION BOX
1-7	P0441001-7	BALL BEARING 6205ZZ
1-8	P0441001-8	BALL BEARING 6203ZZ
1-9	P0441001-9	CONTACT PLATE
1-10	P0441001-10	CENTRIFUGAL SWITCH 3450
2	P0441002	MOTOR CORD 12G 3C
3V3	P0441003V3	REMOTE MAG SWITCH 220V V3.01.12
3V3-1	P0441003V3-1	CONTACTOR NHD C-18D 220V
3V3-2	P0441003V3-2	OL RELAY NHD NTH-25 21-25A
3V3-3	P0441003V3-3	CIRCUIT BOARD 220V W/TRANSFORMER
3V3-4	P0441003V3-4	ON/OFF SWITCH 110/220V
4	P0441004	REMOTE CONTROLLER
5	P0441005	HEX BOLT 3/8-16 X 1-1/2
6	P0441006	FLAT WASHER 3/8
7	P0441007	LOCK WASHER 3/8
8	P0441008	HEX NUT 3/8-16
9	P0441009	BLOWER COVER
10	P0441010	HEX BOLT 3/8-16 X 1-1/2
11	P0441011	FLAT WASHER 3/8
12	P0441012	LOCK WASHER 3/8
13	P0441013	HEX NUT 3/8-16
14A	P0441014A	IMPELLER 15-1/2" V2.02.06
15	P0441015	IMPELLER FENDER WASHER 3/8
16	P0441016	HEX BOLT 3/8-16 X 1 LH
17	P0441017	FOAM TAPE 3 X 6 X 1600MM
18A	P0441018A	BLOWER HOUSING 15-1/2" IMP V2.02.06
19	P0441019	FLAT WASHER 5/16
20	P0441020	HEX BOLT 5/16-18 X 3/4
21	P0441021	OUTLET GASKET 326 X 226MM
22	P0441022	OUTLET PORT
23	P0441023	HEX BOLT 5/16-18 X 1
24	P0441024	FLAT WASHER 5/16
25	P0441025	HEX NUT 5/16-18
26	P0441026	HOSE CLAMP 8"
27A-1	P0441027A-1	GREY FLEX PIPE 8" X 500MM V2.04.08
27A-2	P0441027A-2	GREY FLEX PIPE 8" X 120MM V2.04.08
28	P0441028	FILTER L-BRACE (RH)
28-1	P0441028-1	BRACE GASKET 240 X 32MM
29	P0441029	FILTER L-BRACE (LH)
30	P0441030	HEX BOLT 5/16-18 X 3/4
31	P0441031	FLAT WASHER 5/16
32V3	P0441032V3	CANISTER ASSEMBLY (BEIGE) V3.07.12
32V3-1	P0441032V3-1	CANISTER CAGE ASSY (BEIGE) V3.07.12
32V2-2	P0441032V2-2	FOAM TAPE 3 X 25 X 1400MM V2.11.09
32V2-3	P0441032V2-3	FOAM TAPE 38 X 35 X 1460MM V2.11.09
32V2-4	P0441032V2-4	CANISTER FILTER 486MM V2.11.09
32V2-5	P0441032V2-5	BAG CLAMP 545MM V2.11.09
34V2	P0441034V2	PLASTIC BAG 570 X 600MM V2.11.09
35	P0441035	FOAM TAPE 3 X 6 X 1600MM
36	P0441036	INTAKE CYCLINDER 10"
37	P0441037	HEX BOLT 5/16-18 X 3/4
38	P0441038	FLAT WASHER 5/16
39	P0441039	BARREL GASKET 584MM DIA.
40	P0441040	INTAKE BARREL 20"
41	P0441041	HEX BOLT 5/16-18 X 3/4
42	P0441042	FLAT WASHER 5/16

REF	PART #	DESCRIPTION
43	P0441043	BARREL GASKET 584MM DIA.
44V2	P0441044V2	CYCLONE FUNNEL 20" V2.08.10
45	P0441045	HEX BOLT 5/16-18 X 1
46	P0441046	FLAT WASHER 5/16
47	P0441047	HEX NUT 5/16-18
48	P0441048	HOSE CLAMP 9"
49	P0441049	CLEAR FLEX PIPE 9" X 340MM
50	P0441050	COLLECTION DRUM LID V2.08.06
51V3	P0441051V3	DRUM SEAL TYPE-R 2M V3.01.12
52	P0441052	UPPER DRUM 25GAL
53V2A	P0441053V2A	COLLECTION DRUM ASSY 55GAL V2.11.09
53V2	P0441053V2	COLLECTION DRUM 35GAL V2.08.10
54	P0441054	DRUM CLAMP
55	P0441055	HEX BOLT 5/16-18 X 3
56	P0441056	HEX NUT 5/16-18
57	P0441057	DRUM LID LATCH ASSEMBLY
58	P0441058	PHLP HD SCR 10-24 X 3/8
59	P0441059	HEX NUT 10-24
60	P0441060	PHLP HD SCR 10-24 X 3/8
61	P0441061	HEX NUT 10-24
62	P0441062	CASTER 2"
63	P0441063	HEX NUT 3/8-16
64	P0441064	LOCK WASHER 3/8
65	P0441065	FLAT WASHER 3/8
66	P0441066	HEX BOLT 5/16-18 X 1
67	P0441067	FLAT WASHER 5/16
68V2	P0441068V2	SWITCH MOUNTING BRACKET V2.01.12
69	P0441069	HEX NUT 5/16-18
70	P0441070	WALL MOUNT BRACKET
71	P0441071	MOTOR SPEC LABEL
72	P0441072	MOTOR WARNING LABEL
73	P0441073	GLASSES/RESPIRATOR LABEL
74	P0441074	READ MANUAL LABEL
75	P0441075	HANDS/INLET LABEL
76	P0441076	RETURN RED HANDLE LABEL
77	P0441077	ELECTRICITY LABEL
78V2	P0441078V2	MACHINE ID LABEL CSA V2.01.12
79	P0441079	MODEL NO/HP/GRIZZLY LABEL (LARGE)
80	P0441080	MODEL NO/HP/GRIZZLY LABEL (SMALL)
83	P0441083	MUFFLER 8"
84	P0441084	EXT TOOTH WASHER 3/8
85	P0441085	FOAM TAPE 3 X 15 X 700MM
86	P0441086	MOTOR MOUNT GASKET
94	P0441094	JUNCTION BOX
95	P0441095	JUNCTION BOX CORD 12G 3C 12"
96	P0441096	GROUNDING WIRE 12G 6" (GREEN)
100	P0441100	COLLECTION DRUM EXT KIT
101	P0441101	CYCLONE VACUUM TUBE
102	P0441102	FLAT WASHER 5/16
103	P0441103	HEX BOLT 5/16-18 X 3/4
104	P0441104	TUBE PLUG 1-1/4"
105	P0441105	FOAM TAPE 3 X 6 X 300MM
106	P0441106	VACUUM HOSE 1-1/4" X 98"
107	P0441107	COLLECTION DRUM VACUUM TUBE
108	P0441108	FLAT WASHER 5/16
109	P0441109	HEX BOLT 5/16-18 X 3/4
110	P0441110	HOSE CLAMP 1-1/4"
111	P0441111	TUBE PLUG 1-1/4"
112	P0441112	FOAM TAPE 3 X 6 X 300MM
113	P0441113	COLLECTION DRUM VACUUM RING
114	P0441114	DRUM COLLECTION BAG 640 X 1200MM







WARRANTY CARD

Name _____
Street _____
City _____ State _____ Zip _____
Phone # _____ Email _____
Model # _____ Order # _____ Serial # _____

The following information is given on a voluntary basis. It will be used for marketing purposes to help us develop better products and services. **Of course, all information is strictly confidential.**

1. How did you learn about us?

_____ Advertisement _____ Friend _____ Catalog
_____ Card Deck _____ Website _____ Other:

2. Which of the following magazines do you subscribe to?

_____ Cabinetmaker & FDM	_____ Popular Science	_____ Wooden Boat
_____ Family Handyman	_____ Popular Woodworking	_____ Woodshop News
_____ Hand Loader	_____ Precision Shooter	_____ Woodsmith
_____ Handy	_____ Projects in Metal	_____ Woodwork
_____ Home Shop Machinist	_____ RC Modeler	_____ Woodworker West
_____ Journal of Light Cont.	_____ Rifle	_____ Woodworker's Journal
_____ Live Steam	_____ Shop Notes	_____ Other:
_____ Model Airplane News	_____ Shotgun News	
_____ Old House Journal	_____ Today's Homeowner	
_____ Popular Mechanics	_____ Wood	

3. What is your annual household income?

_____ \$20,000-\$29,000 _____ \$30,000-\$39,000 _____ \$40,000-\$49,000
_____ \$50,000-\$59,000 _____ \$60,000-\$69,000 _____ \$70,000+

4. What is your age group?

_____ 20-29 _____ 30-39 _____ 40-49
_____ 50-59 _____ 60-69 _____ 70+

5. How long have you been a woodworker/metalworker?

_____ 0-2 Years _____ 2-8 Years _____ 8-20 Years _____ 20+ Years

6. How many of your machines or tools are Grizzly?

_____ 0-2 _____ 3-5 _____ 6-9 _____ 10+

7. Do you think your machine represents a good value?

_____ Yes _____ No

8. Would you recommend Grizzly Industrial to a friend?

_____ Yes _____ No

9. Would you allow us to use your name as a reference for Grizzly customers in your area?

Note: We never use names more than 3 times.

_____ Yes _____ No

10. Comments: _____

FOLD ALONG DOTTED LINE



Place
Stamp
Here



GRIZZLY INDUSTRIAL, INC.
P.O. BOX 2069
BELLINGHAM, WA 98227-2069



FOLD ALONG DOTTED LINE

Send a Grizzly Catalog to a friend:

Name_____
Street_____
City_____State_____Zip_____

TAPE ALONG EDGES--PLEASE DO NOT STAPLE

WARRANTY AND RETURNS

Grizzly Industrial, Inc. warrants every product it sells for a period of **1 year** to the original purchaser from the date of purchase. This warranty does not apply to defects due directly or indirectly to misuse, abuse, negligence, accidents, repairs or alterations or lack of maintenance. This is Grizzly's sole written warranty and any and all warranties that may be implied by law, including any merchantability or fitness, for any particular purpose, are hereby limited to the duration of this written warranty. We do not warrant or represent that the merchandise complies with the provisions of any law or acts unless the manufacturer so warrants. In no event shall Grizzly's liability under this warranty exceed the purchase price paid for the product and any legal actions brought against Grizzly shall be tried in the State of Washington, County of Whatcom.

We shall in no event be liable for death, injuries to persons or property or for incidental, contingent, special, or consequential damages arising from the use of our products.

To take advantage of this warranty, contact us by mail or phone and give us all the details. We will then issue you a "Return Number," which must be clearly posted on the outside as well as the inside of the carton. We will not accept any item back without this number. Proof of purchase must accompany the merchandise.

The manufacturers reserve the right to change specifications at any time because they constantly strive to achieve better quality equipment. We make every effort to ensure that our products meet high quality and durability standards and we hope you never need to use this warranty.

Please feel free to write or call us if you have any questions about the machine or the manual.

Thank you again for your business and continued support. We hope to serve you again soon.



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