Owner's Manual & Safety Instructions

Save This Manual Keep this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures. Write the product's serial number in the back of the manual (or month and year of purchase if product has no number). Keep this manual and the receipt in a safe and dry place for future reference. 24d

CENTRAL® MACHINERY

2HP, 5 MICRON, 35 GAL DUST COLLECTOR



59726

Visit our website at: http://www.harborfreight.com
Email our technical support at: productsupport@harborfreight.com

When unpacking, make sure that the product is intact and undamaged. If any parts are missing or broken, please call 1-888-866-5797 as soon as possible.

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No portion of this manual or any artwork contained herein may be reproduced in any shape or form without the express written consent of Harbor Freight Tools.
Diagrams within this manual may not be drawn proportionally. Due to continuing improvements, actual product may differ slightly from the product described herein.
Tools required for assembly and service may not be included.

⚠WARNING

Read this material before using this product.
Failure to do so can result in serious injury.
SAVE THIS MANUAL.

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CENTRAL® MACHINERY

WARNING SYMBOLS AND DEFINITIONS	
⚠	This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.
⚠DANGER	Indicates a hazardous situation which, if not avoided, will result in death or serious injury.
⚠WARNING	Indicates a hazardous situation which, if not avoided, could result in death or serious injury.
⚠CAUTION	Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.
NOTICE CAUTION	Addresses practices not related to personal injury.

Instructions Pertaining to a Risk of Fire, Electric Shock, or Injury to Persons

IMPORTANT SAFETY INSTRUCTIONS

When using an electrical appliance, basic precautions should always be followed, including the following:

READ ALL INSTRUCTIONS BEFORE USING THIS APPLIANCE.

⚠WARNING

To reduce the risk of fire, electric shock, or injury:

1. Do not leave appliance when plugged in. Unplug from outlet when not in use and before servicing.
2. Do not use outdoors or on wet surfaces.
3. Do not allow to be used as a toy. Close attention is necessary when used by or near children.
4. Use only as described in this manual. Use only manufacturer's recommended attachments.
5. Do not use with damaged cord or plug. If appliance is not working as it should, has been dropped, damaged, left outdoors, or dropped into water, return it to a service center.
6. Do not pull or carry by cord, use cord as a handle, close a door on cord, or pull cord around sharp edges or corners. Do not run appliance over cord. Keep cord away from heated surfaces.
7. Do not unplug by pulling on cord. To unplug, grasp the plug, not the cord.
8. Do not handle plug or appliance with wet hands.
9. Do not put any object into openings. Do not use with any opening blocked; keep free of dust, lint, hair, and anything that may reduce air flow.
10. Keep hair, loose clothing, fingers, and all parts of body away from openings and moving parts.

11. Turn off all controls before unplugging.

12. Use extra care when cleaning on stairs.

13. Do not use to pick up flammable or combustible liquids, such as gasoline, or use in areas where they may be present.

14. Connect to a properly grounded outlet only. See Grounding Instructions.

15. **Do not pick up anything that is burning or smoking, such as cigarettes, matches, or hot ashes.**

16. **Do not use without dust bag and/or filters in place.**

17. FOR HOUSEHOLD USE ONLY.

18. Stay alert, watch what you are doing and use common sense when operating an appliance. Do not use an appliance while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating appliances may result in serious personal injury.

19. Maintain labels and nameplates on the appliance. These carry important safety information. If unreadable or missing, contact Harbor Freight Tools for a replacement.

20. People with pacemakers should consult their physician(s) before use. Electromagnetic fields in close proximity to heart pacemaker could cause pacemaker interference or pacemaker failure.

21. The warnings, precautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

SAVE THESE INSTRUCTIONS

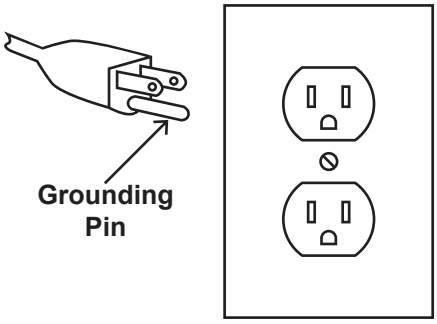
Grounding Instructions

This appliance must be grounded. If it should malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This appliance is equipped with a cord having an equipment-grounding conductor and grounding plug. The plug must be inserted into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

⚠WARNING

Improper connection of the equipment-grounding conductor can result in a risk of electric shock. Check with a qualified electrician or service person if you are in doubt as to whether the outlet is properly grounded. Do not modify the plug provided with the appliance – if it will not fit the outlet, have a proper outlet installed by a qualified electrician.

This appliance is for use on a nominal 120-V circuit and has a grounding attachment plug that looks like the plug illustrated in **125 VAC 3-Prong Plug and Outlet**. Make sure that the appliance is connected to an outlet having the same configuration as the plug. No adaptor should be used with this appliance.



125 VAC 3-Prong Plug and Outlet
(for up to 125 VAC and up to 15 A)

Extension Cords

1. ***Grounded*** tools require a three wire extension cord. ***Double Insulated*** tools can use either a two or three wire extension cord.

2. As the distance from the supply outlet increases, you must use a heavier gauge extension cord. Using extension cords with inadequately sized wire causes a serious drop in voltage, resulting in loss of power and possible tool damage. **(See Table A.)** The smaller the gauge number of the wire, the greater the capacity of the cord. For example, a 14 gauge cord can carry a higher current than a 16 gauge cord. **(See Table A.)**

3. When using more than one extension cord to make up the total length, make sure each cord contains at least the minimum wire size required. **(See Table A.)**

4. If you are using one extension cord for more than one tool, add the nameplate amperes and use the sum to determine the required minimum cord size. **(See Table A.)**

5. If you are using an extension cord outdoors, make sure it is marked with the suffix "W-A" ("W" in Canada) to indicate it is acceptable for outdoor use.

6. Make sure the extension cord is properly wired and in good electrical condition. Always replace a damaged extension cord or have it repaired by a qualified electrician before using it.

7. Protect the extension cords from sharp objects, excessive heat, and damp or wet areas.

RECOMMENDED MINIMUM WIRE GAUGE FOR EXTENSION CORDS*
(120/240 VOLT)

NAMEPLATE AMPERES (at full load)	EXTENSION CORD LENGTH				
	25'	50'	75'	100'	150'
0 – 2.0	18	18	18	18	16
2.1 – 3.4	18	18	18	16	14
3.5 – 5.0	18	18	16	14	12
5.1 – 7.0	18	16	14	12	12
7.1 – 12.0	18	14	12	10	-
12.1 – 16.0	14	12	10	-	-
16.1 – 20.0	12	10	-	-	-

TABLE A

*** Based on limiting the line voltage drop to five volts at 150% of the rated amperes.**

Specifications

Electrical Rating	120VAC / 60Hz / 15A / 2HP Single Phase
RPM	3450
Bag Dimensions	Top:19-1/2″ Dia. x 30″ L Bottom: 19-1/2″ Dia. x 30-7/8″ L
Bag Filtration Ratio	5 Microns
Intake	4-3/8″ ID (screen & filter)
Exhaust Diameter	4-1/2″ ID With Screen

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Read the ENTIRE IMPORTANT SAFETY INFORMATION section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

⚠WARNING

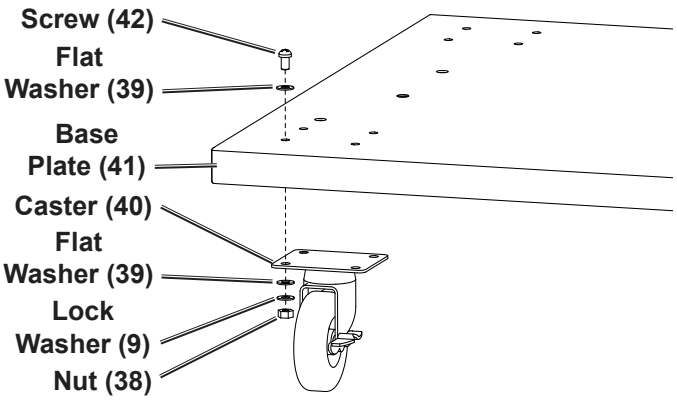
TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION:
Turn the Power Switch of the appliance off and unplug the appliance from its electrical outlet before performing any procedure in this section.

Note: For additional information regarding the parts listed in the following pages, refer to the Assembly Diagram near the end of this manual.

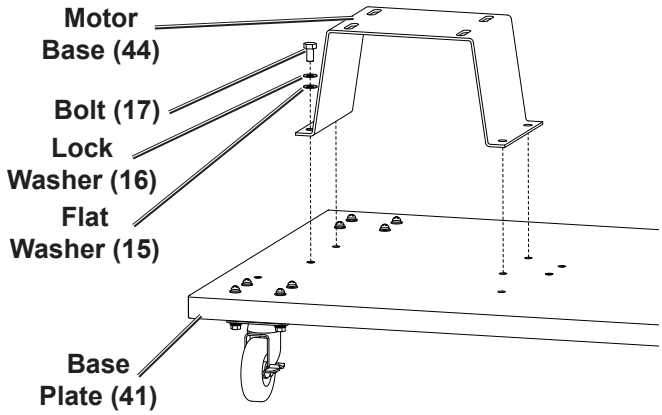
Assembly

Note: Your Dust Collector will require complete assembly prior to use. It is important that you read the entire manual to become familiar with the product BEFORE you use the Dust Collector. Before assembling the Dust Collector be sure that you have all parts described in the Parts List and Assembly Diagram.

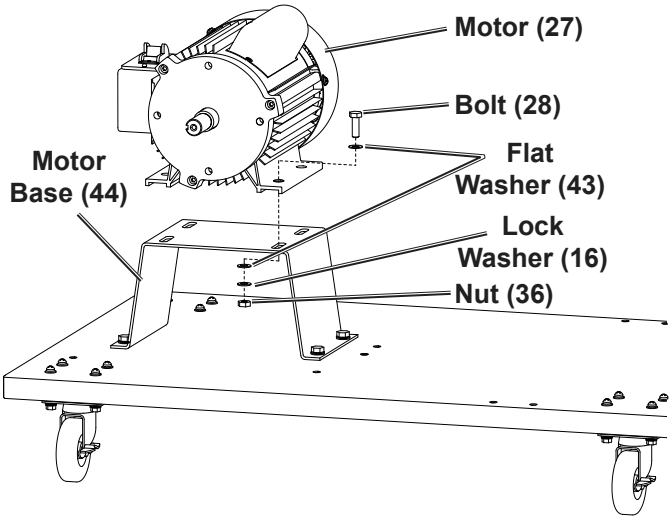
1. Assemble Casters (40) to Base Plate (41) with Screws (42), Flat Washers (39), Lock Washers (9), and Nuts (38).



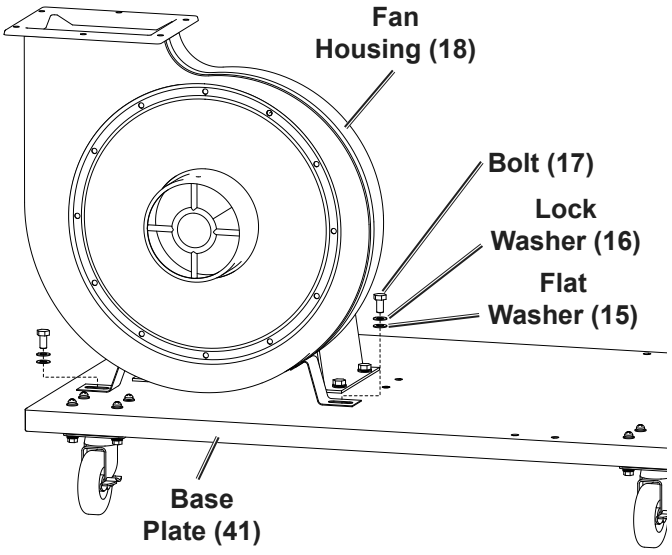
2. Assemble Motor Base (44) to Base Plate (41) with Bolts (17), Lock Washers (16), and Flat Washers (15).



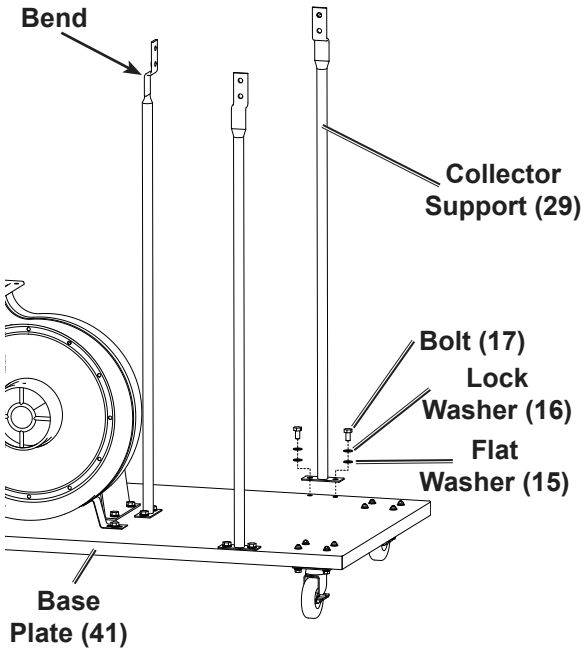
3. Assemble Motor (27) (Fan Housing (18) not shown for visibility) to Motor Base (44) with Bolts (28), Flat Washers (43), Lock Washers (16), and Nuts (36). Leave hardware loose.



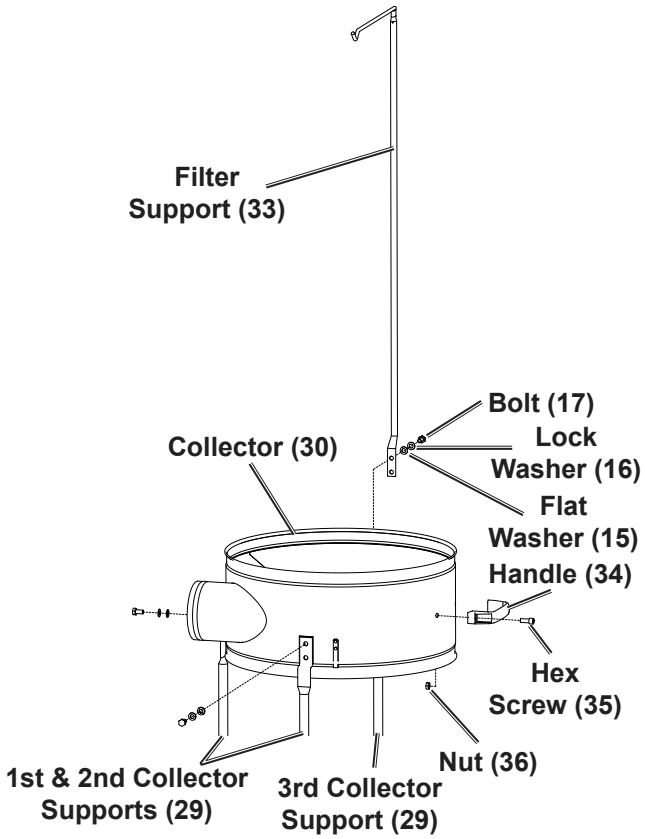
4. Assemble Fan Housing (18) to Base Plate (41) with Bolts (17), Flat Washers (15), and Lock Washers (16) Tighten hardware, then tighten loose hardware in *Step 3*.



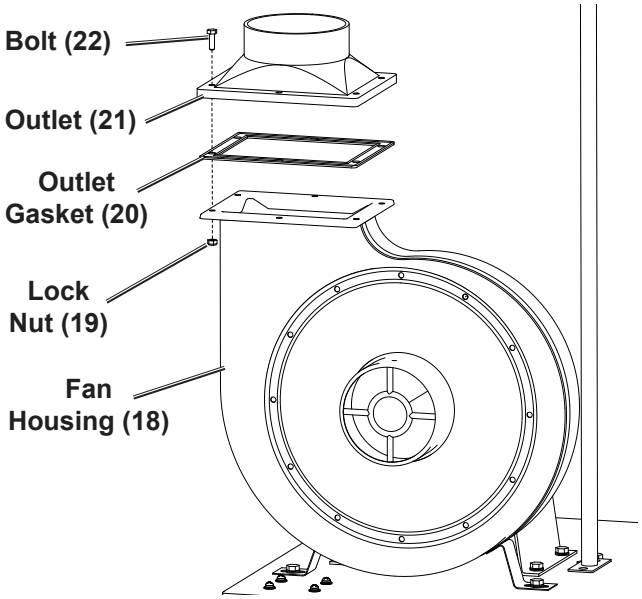
5. Assemble Collector Supports (29) with **bend facing inwards** to Base Plate (41) with Bolts (17), Lock Washers (16), and Flat Washers (15).



6. Assemble Collector to Collector Supports:
   a. Assemble Collector (30) to first and second Supports (29) with Bolts (17), Lock Washers (16), and Flat Washers (15).
   b. Assemble Filter Support (33) to third Support (29) to Collector (30) with Bolts (17), Lock Washers (16), and Flat Washers (15).
   c. Assemble Handle (34) to Collector (30) with Hex Screws (35) and Nuts (36).

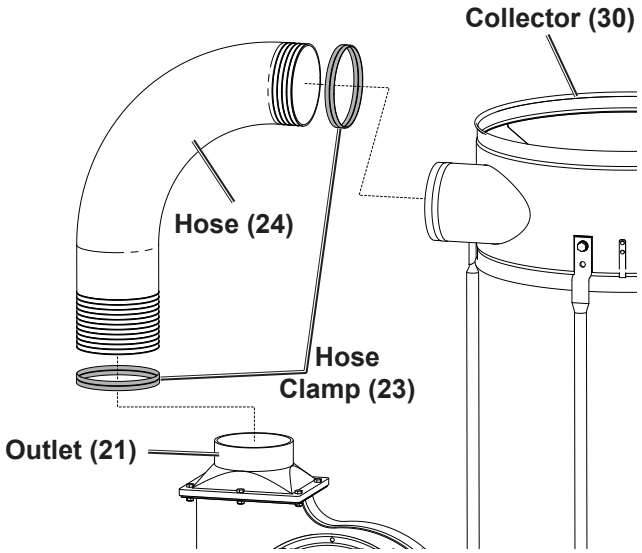


7. Assemble Outlet (21) and Outlet Gasket (20) to Fan Housing (18) with Bolts (22) and Lock Nuts (19).

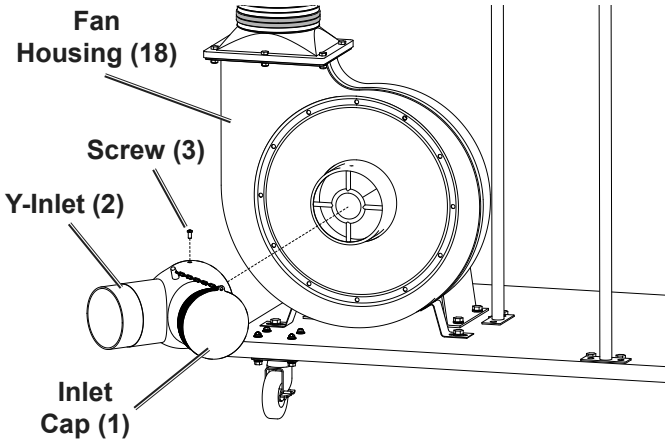


8. Slide Hose Clamps (23) onto Hose (24). Loosen screws on Hose Clamps as needed.

9. Slide Hose (24) with Hose Clamps (23) onto Outlet (21) and Collector (30). With Hose in place and Hose Clamps in-line with Outlet and Collector openings, tighten screws on Hose Clamps until Hose is securely fastened to Outlet and Collector.

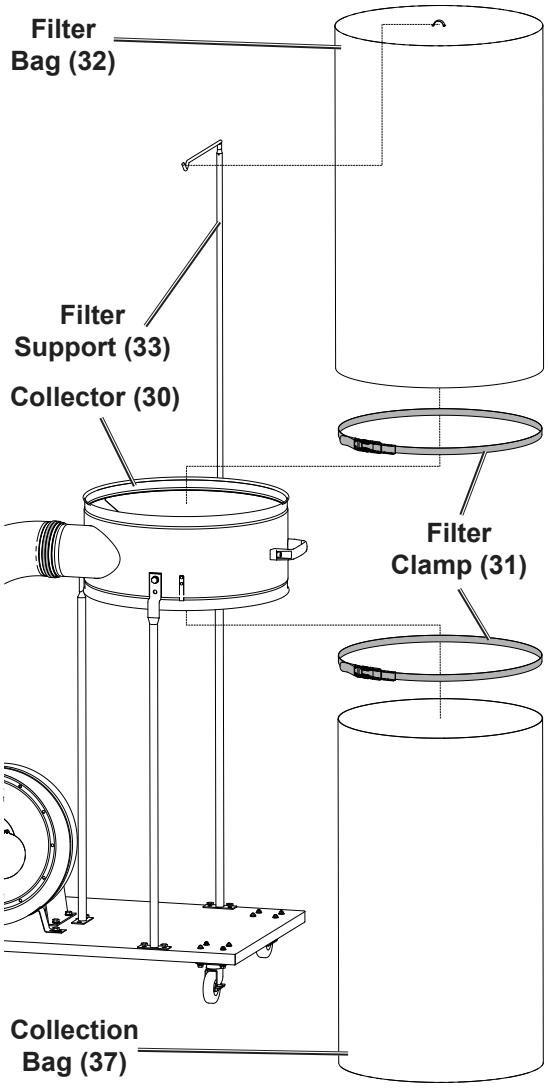


10. Remove Screw (3) from Fan Housing (18). Assemble Y-Inlet (2) to Fan Housing and secure with Screw. If only using one inlet on Y-Inlet (2), cap off the unused inlet with the Inlet Cap (1).

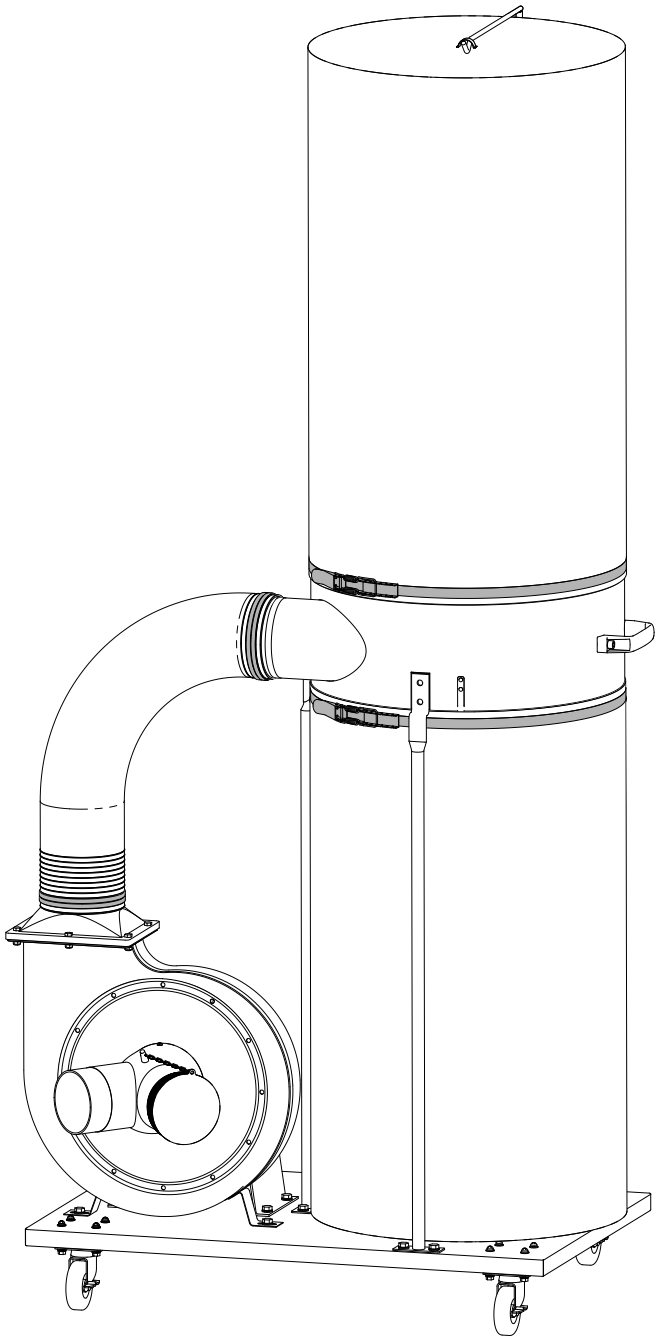


11. Hang Filter Bag (32) from Filter Support (33). Slide Filter Clamp (31) over Filter Bag and secure Filter Bag to Collector (30).

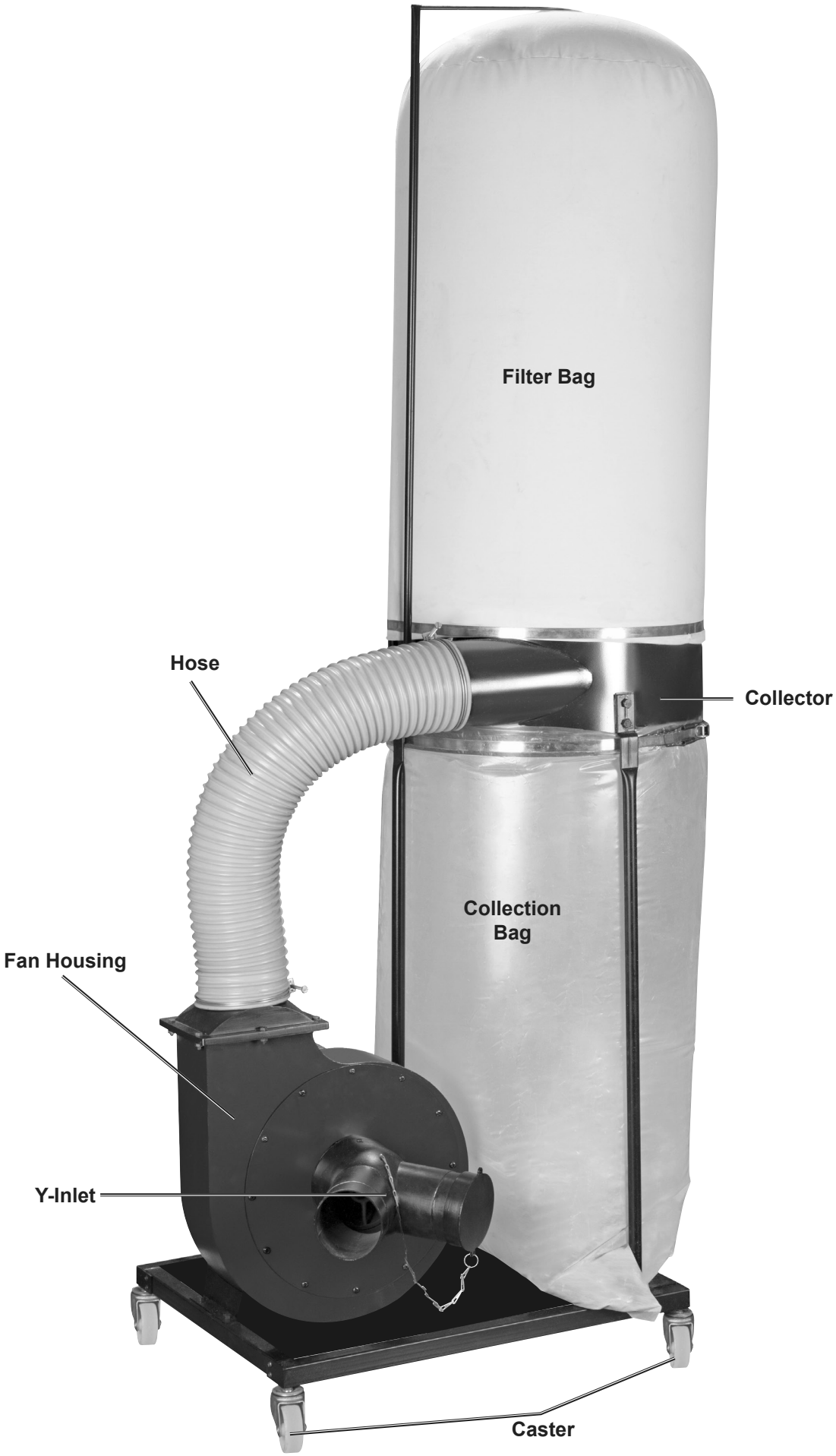
12. Slide Filter Clamp (31) over Collection Bag (37) and secure Collection Bag to Collector (30).



13. Finished Assembly.



Functions


Filter Bag
Hose
Collector
Collection Bag
Fan Housing
Y-Inlet
Caster

Read the ENTIRE IMPORTANT SAFETY INFORMATION section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

Tool Set Up

⚠WARNING

TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION:
Make sure that the Trigger is in the off-position and unplug the tool from its electrical outlet before performing any procedure in this section.

Workpiece and Work Area Set Up

1. Designate a work area that is clean and well lit. The work area must not allow access by children or pets to prevent distraction and injury.
2. Route the power cord along a safe route to reach the work area without creating a tripping hazard or exposing the power cord to possible damage. The power cord must reach the work area with enough extra length to allow free movement while working.
3. Secure loose workpieces using a vise or clamps (not included) to prevent movement while working.
4. There must not be objects, such as utility lines, nearby that will present a hazard while working.

General Operating Instructions

⚠WARNING

TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION:
Turn the Switch off and unplug the power cord from its electrical outlet before removing the Power Head.

Do not tamper with or remove the grounding pole on the plug. You must use this unit with a 3 pole receptacle. If you use an extension cord, it must meet amperage specified (16 AWG), and the cord must be 3-pronged.

This unit is designed for use with an existing dust system, or you can construct a new system.

1. If constructing a new system, connect 4″ vent pipe (not included) to the 4″ inlet side of the collector.
2. Determine the size of the dust ports on your tools and run vacuum hoses from each tool to an appropriate sized adapter, and into the 4″ vent pipe (none included).
3. Make sure that the Switch is in its off position. Plug the Power Cord into the power outlet.
4. Turn the switch on to operate the Dust Collector.
5. Make sure the Collection Bag (37) is on tight and not leaking.
6. During operation, periodically check how full the Collection Bag is. Do not let it fill more than 3/4 full. A completely full bag puts a lot of stress on the bag and the clamp.
7. To change Collection Bag, wear ANSI-approved safety goggles, and a dust mask. Turn Dust Collector off, remove the Filter Clamp (31), and empty the bag. Reinstall the bag and clamp.
8. To prevent accidents, turn off the appliance and unplug it after use.
   Empty and clean Bags, clean Filter (see **Cleaning Filter on page 12**), then store the appliance indoors out of children's reach.

Procedures not specifically explained in this manual must be performed only by a qualified technician.

⚠WARNING

TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION:
Turn the Power Switch of the appliance off and unplug the appliance from its electrical outlet before performing any procedure in this section.

TO PREVENT SERIOUS INJURY FROM APPLIANCE FAILURE:
Do not use damaged equipment. If abnormal noise or vibration occurs, have the problem corrected before further use.

Cleaning, Maintenance, and Lubrication

1. **BEFORE EACH USE,** inspect the general condition of the appliance. Check for:
   - loose hardware,
   - misalignment or binding of moving parts,
   - cracked or broken parts,
   - damaged electrical wiring, and
   - any other condition that may affect its safe operation.
2. **AFTER USE,** wipe external surfaces of the appliance with clean cloth. Store in an indoor dry area out of reach of children.
3. All parts are permanently lubricated. Do not use additional lubrication.
4. Check Collection and Filter Bags (1 each) prior to each use for tears or fraying. Replace if necessary.
5. Periodically tighten the Filter Clamps (31) and Hose Clamps (23).
6. Keep the Motor (27) clean of dirt and debris.
7. ⚠**WARNING! TO PREVENT SERIOUS INJURY: If the supply cord of this appliance is damaged, it must be replaced only by a qualified service technician.**

Cleaning Filter

To ensure proper operation, clean the Filter regularly. Torn Filters should be replaced:

CLOTH FILTER:

1. Gently tap or brush dirt off outdoors.
2. Wash Cloth Filter using mild soap and water.
3. Rinse all soap and dust out thoroughly.
4. **Allow the Cloth Filter to dry for at least one day before reinstalling.**

WARNING! TO PREVENT SERIOUS INJURY: Installing a wet Filter will increase the risk of electric shock and may damage the vacuum.

5. Reinstall the Filter.

Troubleshooting

Problem	Possible Causes	Likely Solutions
Tool will not start.	1. Cord not connected. 2. No power at outlet. 3. Internal damage or wear.	1. Check that cord is plugged in. 2. Check power at outlet. If outlet is unpowered, turn off tool and check circuit breaker. If breaker is tripped, make sure circuit is right capacity for tool and circuit has no other loads. 3. Have technician service tool.
Tool operates slowly.	Extension cord too long or wire size too small.	Eliminate use of extension cord. If an extension cord is needed, use one with the proper diameter for its length and load. See **TABLE A on page 5**.
Overheating.	1. Blocked motor housing vents. 2. Motor being strained by long or small diameter extension cord. 3. Motor being strained by over-full Collection Bag.	1. Wear ANSI-approved safety goggles and NIOSH-approved dust mask/respirator while blowing dust out of motor using compressed air. 2. Eliminate use of extension cord. If an extension cord is needed, use one with the proper diameter for its length and load. See **TABLE A on page 5**. 3. Empty Collection Bag. Do not allow to fill past 3/4 full.
Suction loss.	Collection Bag / Filter Bag is loose or leaking.	Tighten Clamps on Bags.

Follow all safety precautions whenever diagnosing or servicing the tool.
Disconnect power supply before service.

PLEASE READ THE FOLLOWING CAREFULLY

THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS LIST AND ASSEMBLY DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER OR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO MAKE ANY REPAIRS TO THE PRODUCT, OR THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS, AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISK AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.

Parts List

Part	Description	Qty
1	Inlet Cap	1
2	Y-Inlet	1
3	Screw M5x10	1
4	Chain	1
5	Screw M6x10	12
6	Inlet Cover	1
7	Inlet Cover Gasket	1
8	Screw M6x20	1
9	Lock Washer 6	17
10	Special Washer	1
11	Impeller	1
12	Bolt M10x16	4
13	Lock Washer 10	4
14	Flat Washer 10	4
15	Flat Washer 8	18
16	Lock Washer 8	22
17	Bolt M8X16	18
18	Fan Housing	1
19	Lock Nut M6	6
20	Outlet Gasket	1
21	Outlet	1
22	Bolt M6x20	6

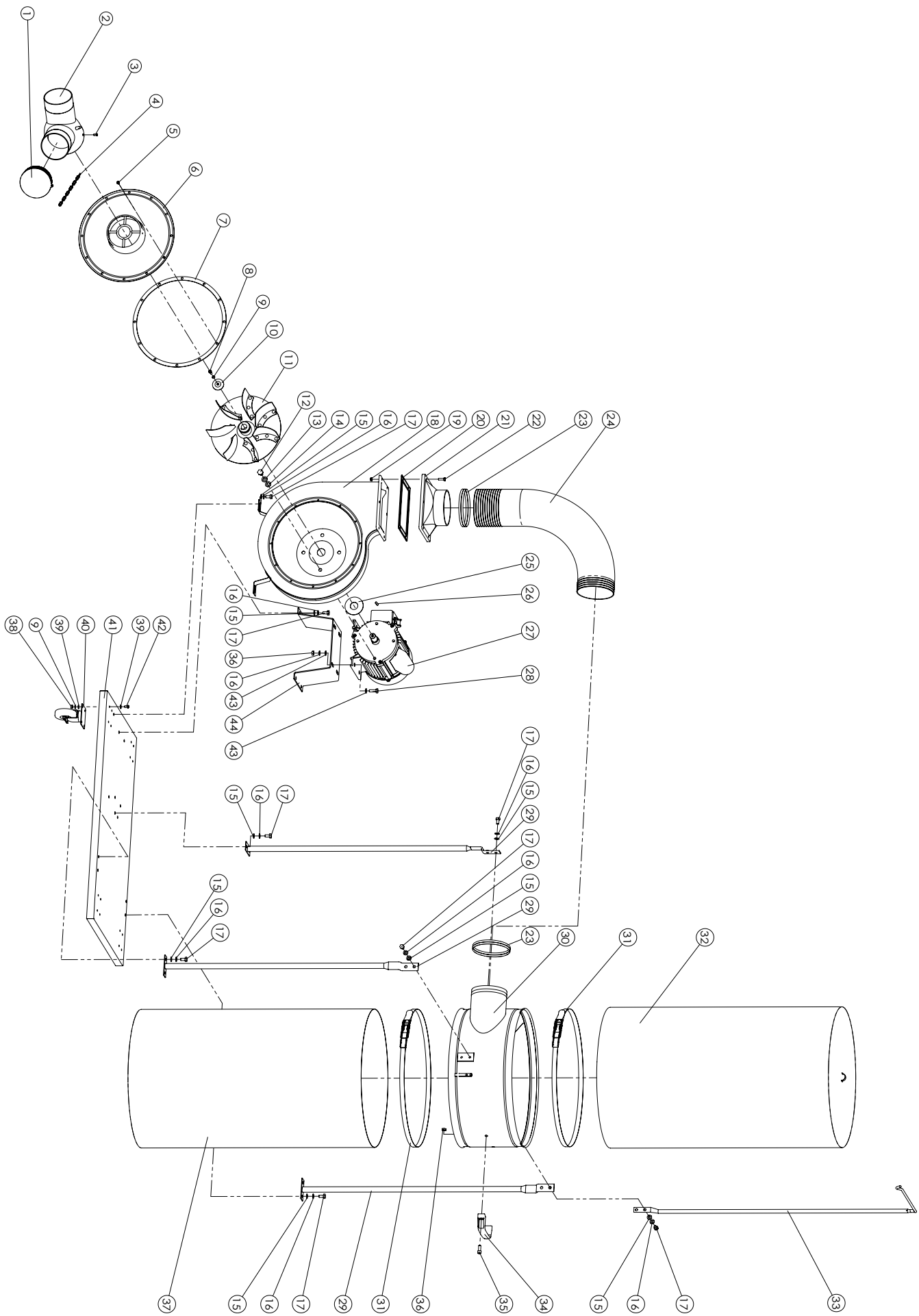
Part	Description	Qty
23	Hose Clamp Ø120-Ø140	2
24	Hose Ø125x75	1
25	Rubber Gasket	1
26	Flat Key 5x30	1
27	Motor	1
28	Bolt M8x25	4
29	Collector Support	3
30	Collector	1
31	Filter Clamp	2
32	Filter Bag	1
33	Filter Support	1
34	Handle	1
35	Hex Socket Screw	2
36	Nut M8	6
37	Collection Bag	1
38	Nut M6	16
39	Flat Washer 6	32
40	Caster	4
41	Base Plate	1
42	Screw M6x12	16
43	Flat Washer 8	8
44	Motor Base	1

Record Product's Serial Number Here:_____

Note: If product has no serial number, record month and year of purchase instead.

Note: Some parts are listed and shown for illustration purposes only, and are not available individually as replacement parts. Reference UPC 193175481627.

Assembly Diagram



Limited 90 Day Warranty

Harbor Freight Tools Co. makes every effort to assure that its products meet high quality and durability standards, and warrants to the original purchaser that this product is free from defects in materials and workmanship for the period of 90 days from the date of purchase. This warranty does not apply to damage due directly or indirectly, to misuse, abuse, negligence or accidents, repairs or alterations outside our facilities, criminal activity, improper installation, normal wear and tear, or to lack of maintenance. 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 product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation of exclusion may not apply to you. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS.

To take advantage of this warranty, the product or part must be returned to us with transportation charges prepaid. Proof of purchase date and an explanation of the complaint must accompany the merchandise. If our inspection verifies the defect, we will either repair or replace the product at our election or we may elect to refund the purchase price if we cannot readily and quickly provide you with a replacement. We will return repaired products at our expense, but if we determine there is no defect, or that the defect resulted from causes not within the scope of our warranty, then you must bear the cost of returning the product.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

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