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 Date Code 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.

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Bauer™

DUST COLLECTOR WITH 2-MICRON CANISTER FILTER



Visit our website at: https://www.harborfreight.com
For product assistance, visit harborfreight.com/customer-support/contact-us

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When unpacking, make sure that the product is intact and undamaged. If any parts are missing or broken, please visit harborfreight.com/customer-support/contact-us 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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SAFETY

SETUP

OPERATION

MAINTENANCE

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

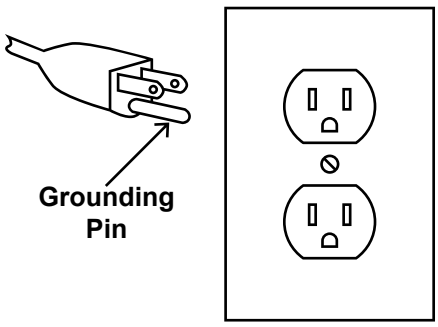
Grounding Instructions

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.**

Symbology

VAC	Volts Alternating Current
A	Amperes
n_0 xxxx/min.	No Load Revolutions per Minute (RPM)
CFM	Cubic Feet Per Minute

Specifications

Electrical Rating	115/230V, 60Hz, 11.5/5.7A (prewired 115V)
Motor	1.5 HP
Collection Bag Capacity	5.3 cu. ft.
Filter Efficiency	98% at 2 Micron
Inlet	Dual 4″
Air Flow @ 4" Port	1100 CFM

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

1. Keep each Caster type together on the same side of Base Plate. Slide Caster (4 or 11) threads through corner hole on underside of Base Plate (1). Slide Washer (3) over Caster threads, thread Nut (2) onto Caster threads and tighten to secure. Repeat for remaining Casters. **(See Figure A.)**

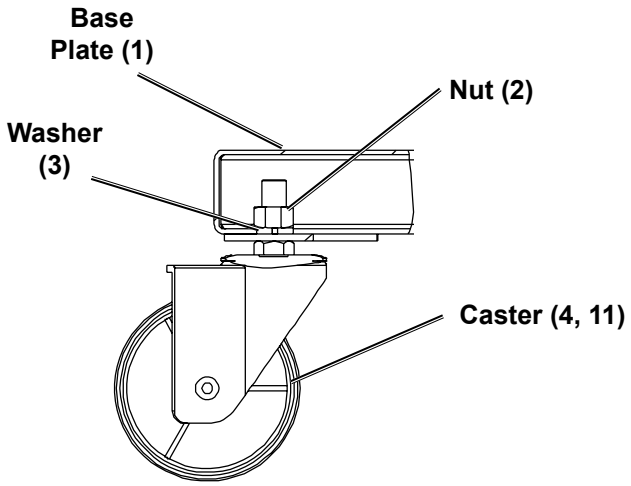


Figure A: : Caster Install

2. Set Base Plate down with Casters on the ground. **(See Figure B.)**

3. Attach Outlet (49) to Impeller Housing (47) using Screws (27). **(See Figure B.)**

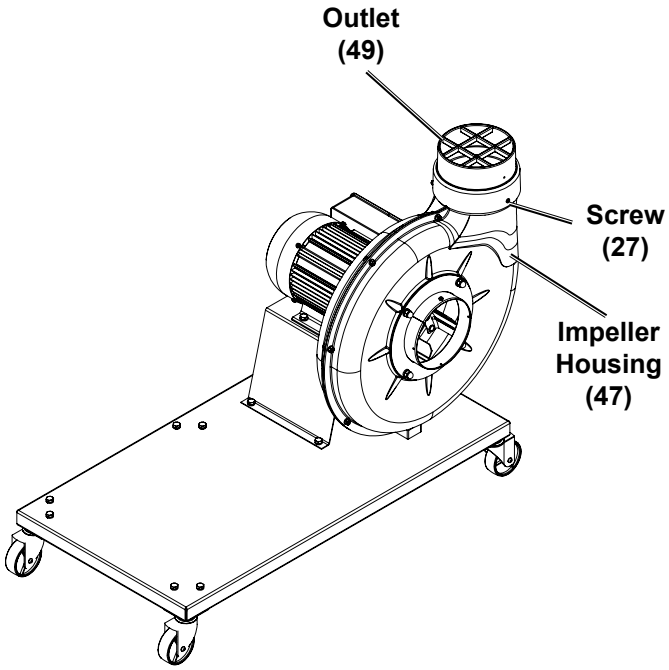


Figure B: Motor Assembly Install

Note: There are two Nuts welded to the Base Plate for the Stand (36) nearest to the Motor.

4. Line up Stand (36) with holes on edge of Base Plate. Secure loosely with Bolts (33) and Nuts (10). Repeat for remaining Stand. **(See Figure C.)**

Note: Do not fully tighten Bolts at this stage.

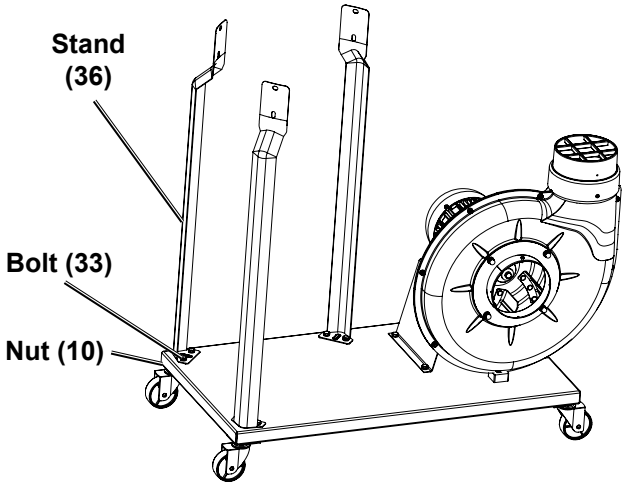


Figure C: Stand Install

5. Remove Bag Retainer (31) from Collector (40) and set aside.

6. Connect Collector (40) to Stand (36), thread Bolts (37) through Stand and secure with Nuts (5). **(See Figure D.)**

7. Fully tighten all fasteners on Collector and Stands.

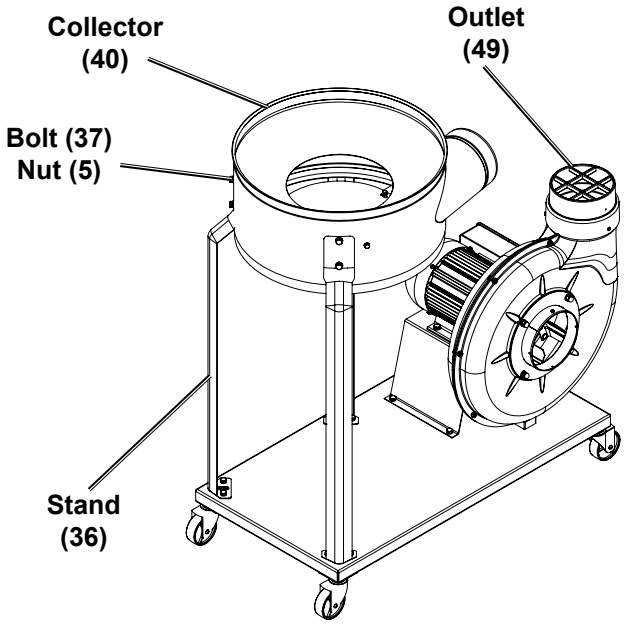


Figure D: Collector Install

8. Slide Hose Clamp (41) onto Hose (42). Slide Hose onto the Outlet (49). Once Hose is in place, tighten screw on Hose Clamp until Hose is securely fastened to Outlet. Repeat for other end of Hose to Collector. **(See Figure E.)**

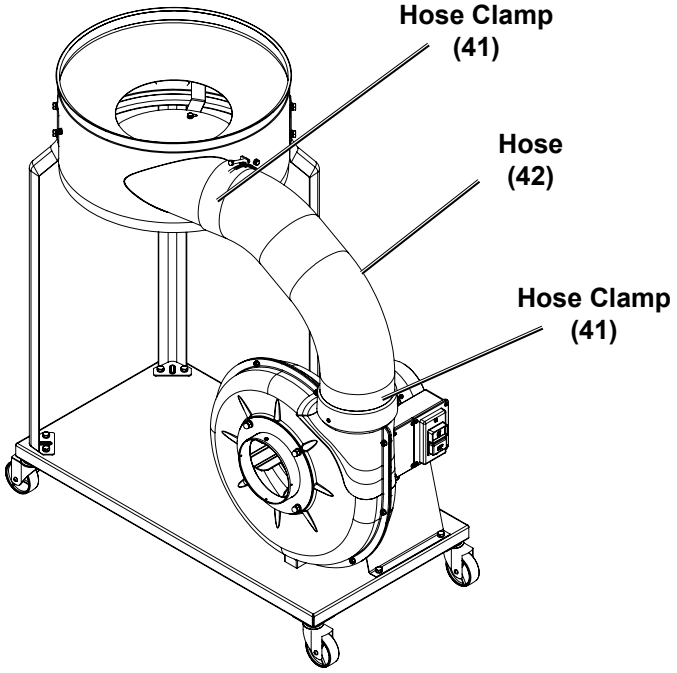
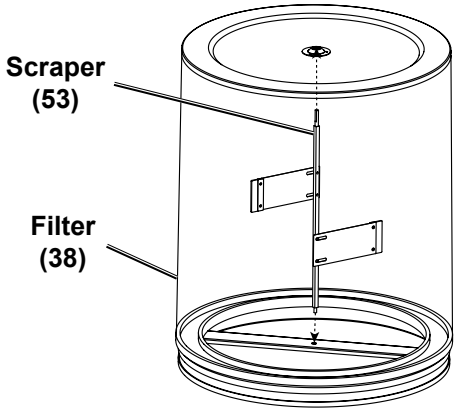
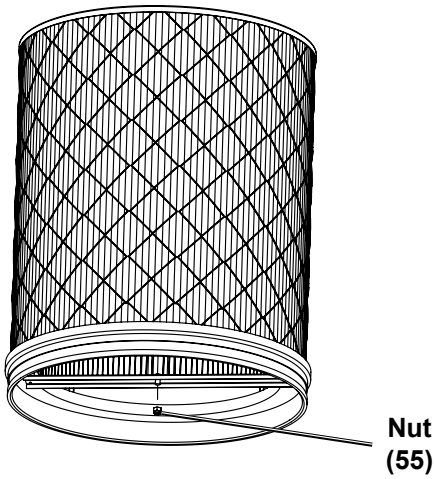


Figure E: Hose Install

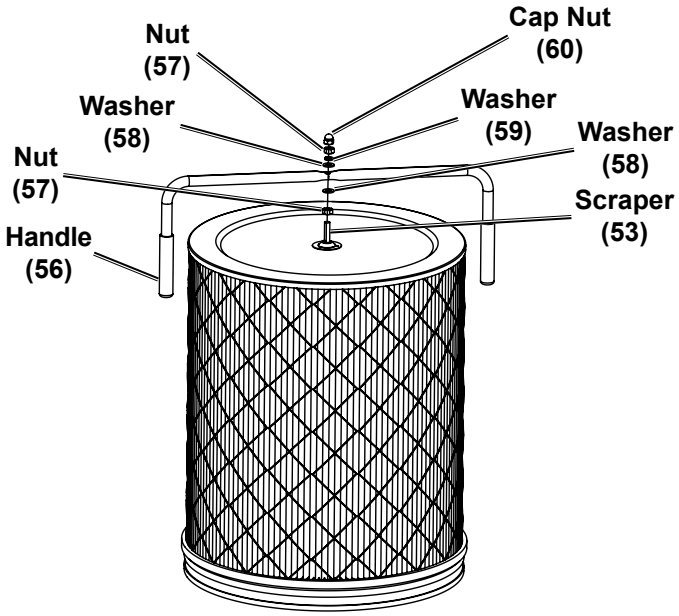
9. Insert longer end of Scraper Assembly through mounting hole at top of Filter (38). Insert Shorter end through mounting hole at bottom of Filter.



10. Secure shorter end of Scraper with Nut (55).



11. Attach Handle to Filter with Nuts (57), Washers (58), Washer (59), and Cap Nut (60) as shown.



12. Place Filter (38) on top of the Collector (40). Place Filter Clamp (39) over lower lip of Filter and upper lip of Collector, then fasten Filter Clamp. **(See Figure F.)**

13. Pass Collection Bag (30) up through inside of Bag Retainer (31), fold open edge of Collection Bag over Bag Retainer and install inside bottom lip of Collector (40). **(See Figure F.)**

14. Place Inlet (28) onto Impeller Housing and line up Screw holes, then secure with Screws (27). **(See Figure F.)**

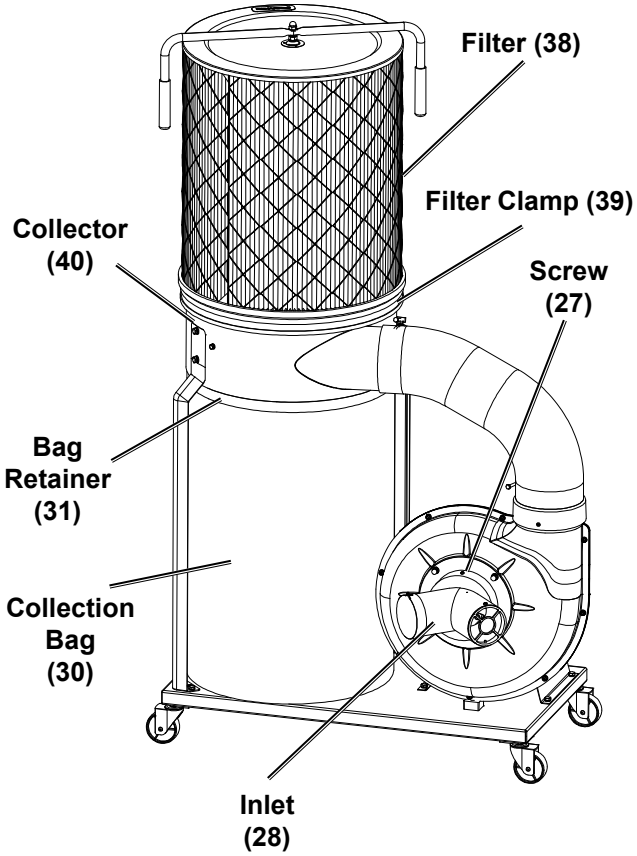


Figure F: Filter and Collection Bag Install

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.

Workpiece and Work Area Setup

⚠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.

1. Designate a work area that is clean and well lit. The work area must not allow access by children or pets to prevent injury and distraction.
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 hazardous objects such as utility lines or foreign objects, nearby that will present a hazard while working.

General Operating Instructions

1. If constructing a new system, connect 4″ vent pipe (not included) to the 4″ Inlet (28).
2. Determine the size of the dust ports on your tools and run vacuum hoses (not included) from each tool to an appropriate sized adapter (not included), and into the 4″ vent pipe (not included).

WARNING! TO PREVENT SERIOUS INJURY:
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 (see Table A on page 4), and the cord must be 3-pronged.

3. Switch on the unit using the push button Switch.
4. During operation, periodically check how full Collection Bag (30) is. Do not let it fill more than 3/4 full.
5. When removing Collection Bag, wear ANSI-approved safety goggles, and a dust mask. Shut unit off using the push button switch, remove Bag Retainer (31) and empty Collection Bag. Reinstall Collection Bag and Bag Retainer.
6. To prevent accidents, turn off the tool and disconnect its power supply after use. Clean, then store the tool 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. Check Collection Bag (30) prior to each use for tears or fraying. Replace if necessary.
4. Periodically tighten the Hose Clamps (41).
5. Keep the Motor (44) clean of dirt and debris.
6. Periodically turn the handle on top of the Filter (38) to dislodge any dust from inside the canister.
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.**

PLEASE READ THE FOLLOWING CAREFULLY

THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE COMPONENT 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.

Component List and Diagram

Part	Description	Qty
1	Base Plate	1
2	Nut (I-M10)	4
3	Washer (Ø10)	4
4	Caster	2
5	Nut (I-M8)	12
6	Washer (Ø8)	6
7	Bolt (M6×20)	1
8	Foot	1
9	Washer (Ø6)	1
10	Nut (I-M6)	15
11	Caster with Brake	2
12	Inlet Gasket	2
13	Screw (ST4.2×10")	4
14	Bolt (M6×20)	8
15	Bolt (M8×20)	4
16	Impeller	1
17	Impeller Washer	1
18	Bolt (M8x25)	1
19	Screw (M8x16)	4
20	Housing Seal	1
21	Inlet Housing	1
22	Inlet Gasket	1
23	Washer (Ø6)	8
24	Inlet	1
25	Washer (Ø8)	4
26	Nut (M8)	4
27	Screw (ST4.2×12.7")	5
28	Inlet	1
29	Inlet Cap	1
30	Dust Collection Bag	1

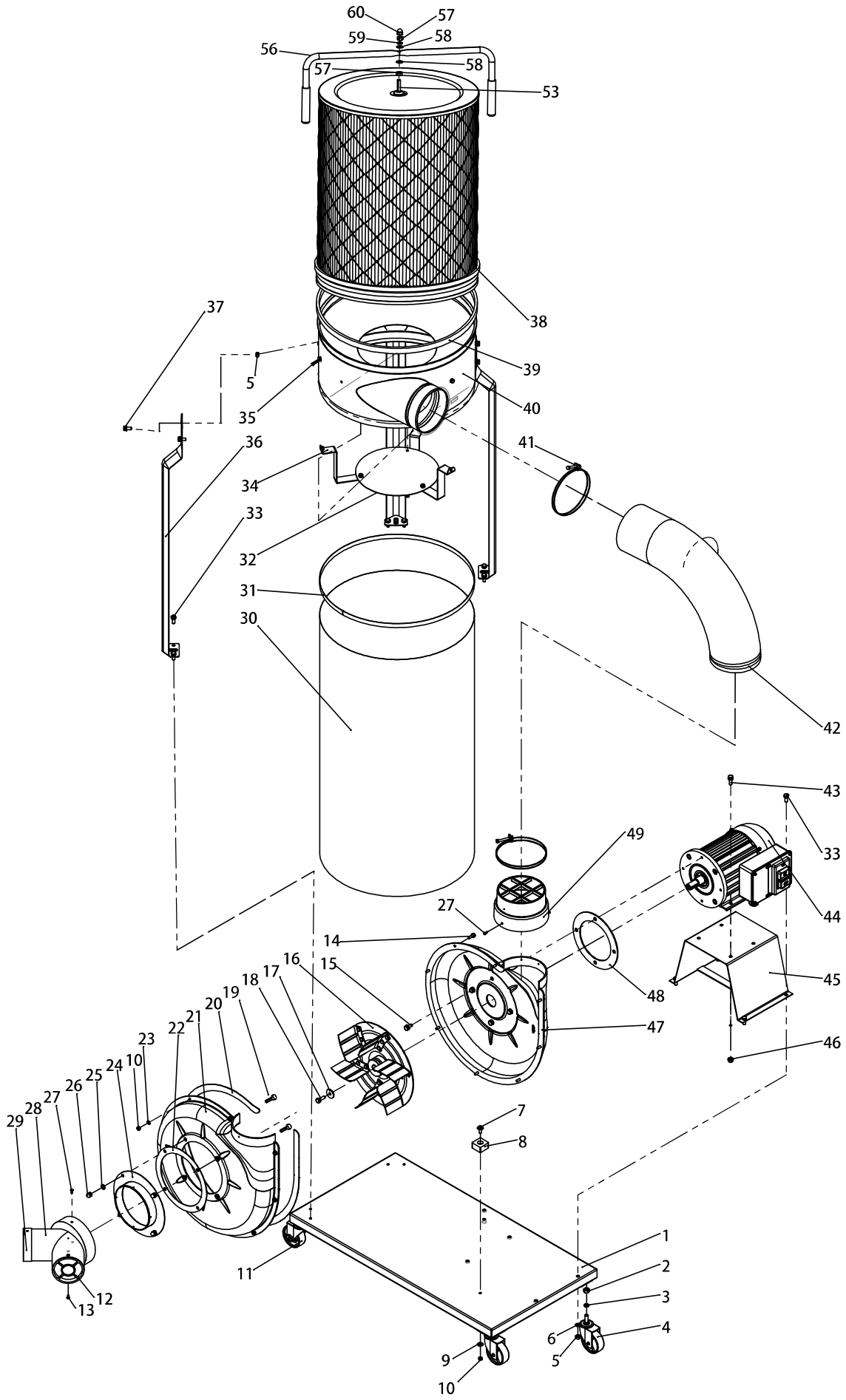
Part	Description	Qty
31	Bag Retainer	1
32	Dust Removal Plate	1
33	Bolt (M8x20)	10
34	Dust Scraper	3
35	Bolt (M6x12)	6
36	Stand	3
37	Bolt (M8×18)	6
38	Filter	1
39	Filter Clamp	1
40	Collector	1
41	Hose Clamp	2
42	Hose	1
43	Bolt (M8x25)	4
44	Motor	1
45	Motor Base	1
46	Flange Nut (M8)	4
47	Impeller Housing	1
48	Motor Seal	1
49	Outlet	1
50	Filter Assembly (with Scraper)	1
51		
52		
53		
54		
55	Nut (M8)	1
56	Handle	1
57	Nut (M10)	2
58	Washer	2
59	Washer	1
60	Cap Nut	1

Record Product's Date Code Here:_____

Note: If product has no Date Code, record month and year of purchase instead.

Note: The component list and assembly diagram are shown for reference only.
To view all currently available replacement parts, please visit
harborfreight.com/parts Specify UPC 193175511560 when ordering parts.

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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For product assistance, visit harborfreight.com/customer-support/contact-us