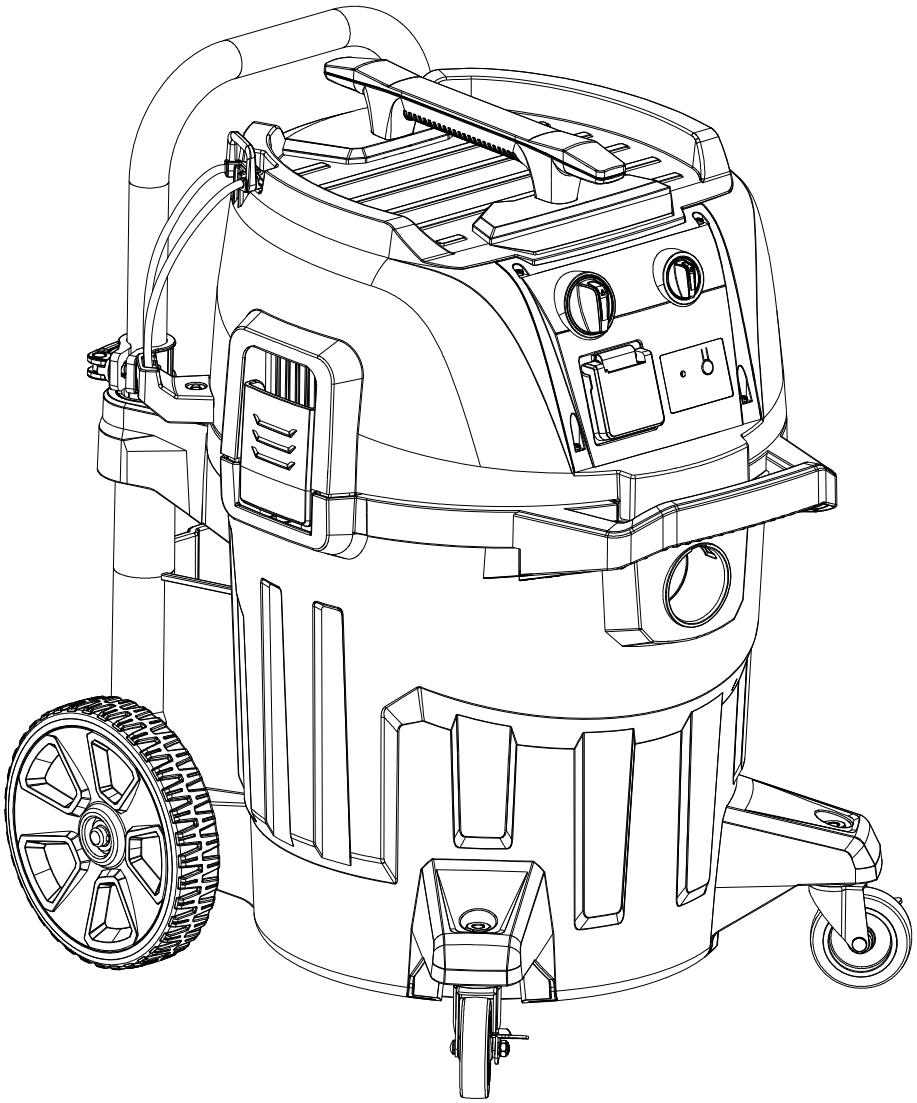
HERCULES™

Owner's Manual & Safety Instructions

24g

Model
HE028



12 Gallon OSHA Compliant Dust Extractor

⚠WARNING: To prevent serious injury, User must read and understand Owner's Manual. SAVE THIS MANUAL.

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. Reference 58966.

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 expose to rain. Store indoors.
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. **Dry your hands and feet before touching plug or switch.**
18. **Do not plug in power tool while wet vacuuming.**
19. **Do not continue to use the vacuum when the tank is full of liquid.**
20. Do not use to pick up water from containers, i.e., sinks, tubs, barrels, etc.
21. 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.
22. Maintain labels and nameplates on the appliance. These carry important safety information. If unreadable or missing, contact Harbor Freight Tools for a replacement.
23. 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.
24. 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

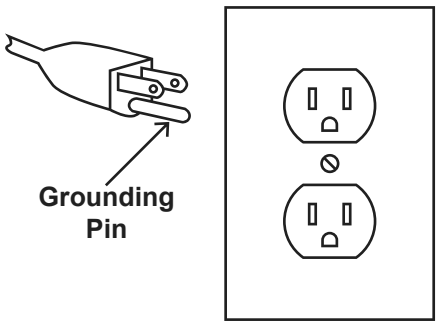
This appliance must be grounded. If it should malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This appliance is equipped with a cord having an equipment-grounding conductor and grounding plug. The plug must be inserted 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)

To reduce the risk of electric shock, this appliance has a polarized plug (one blade is wider than the other). This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install the proper outlet. Do not change the plug in any way.

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 **Addresses practices not related to personal injury.**

SPECIFICATIONS

Electrical Rating	120V / 60Hz / 11.5A VC motor: 11.5A; 15A Max with tool
Tank Capacity	12 Gallons

FOR HOUSEHOLD USE ONLY.

SETUP - BEFORE USE:

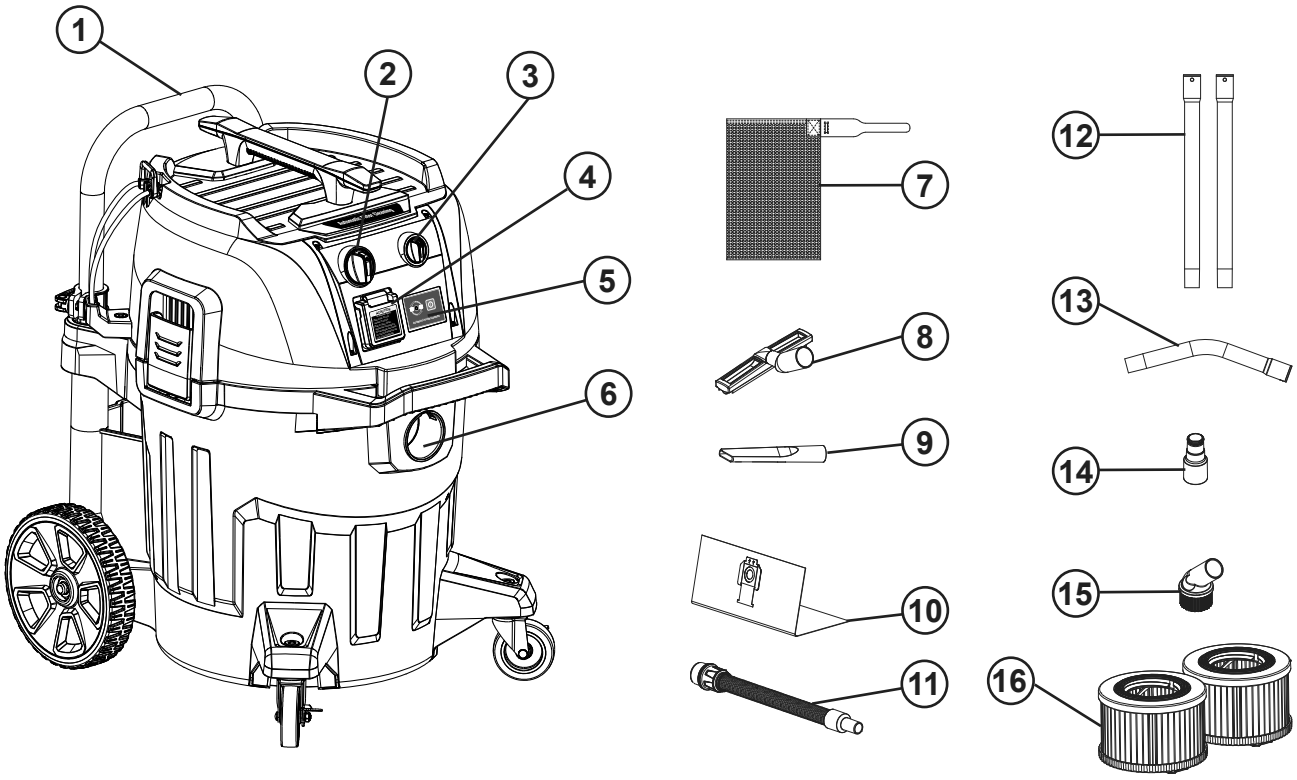
Read the ENTIRE IMPORTANT SAFETY INFORMATION section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

⚠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.

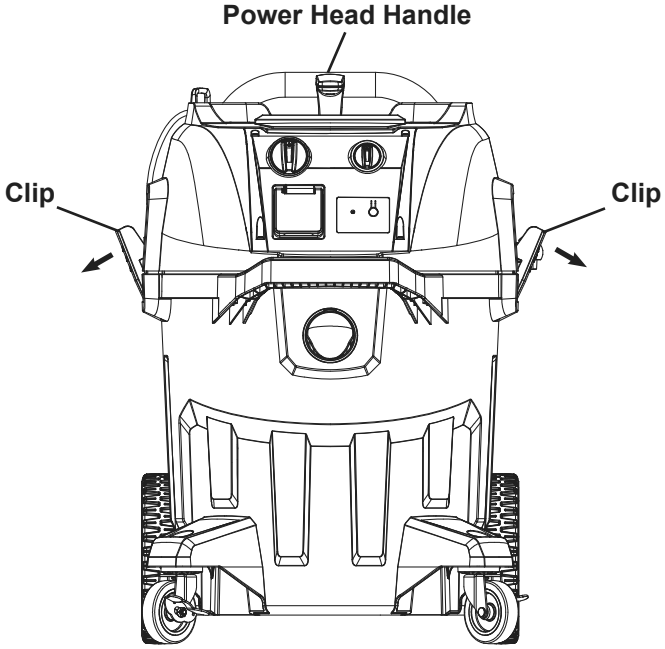
FUNCTIONAL DESCRIPTION



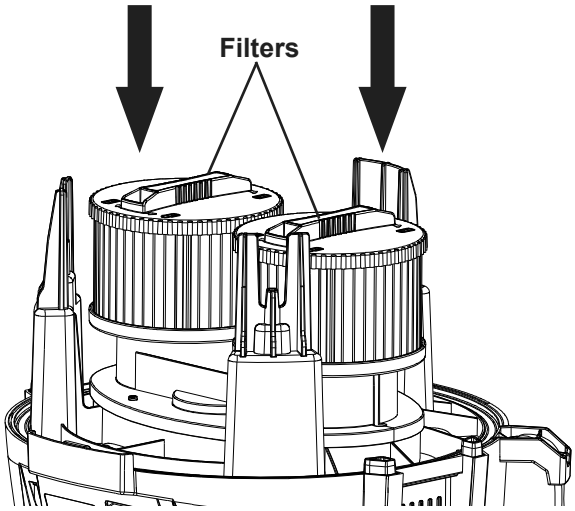
1. Handle
2. Power Switch
3. Suction Control Knob
4. 120VAC Outlet
5. Automatic Filter Cleaning Button
6. Vacuum Port
7. Accessory Bag
8. Floor Nozzle
9. Crevice Nozzle
10. Dust Bag
11. Hose
12. Extension Wands
13. Elbow Wand
14. Power Tool Dust Adaptor
15. Round Brush
16. HEPA Filters

Assembly

1. Pull Clips outward, then remove Power Head by its Handle.



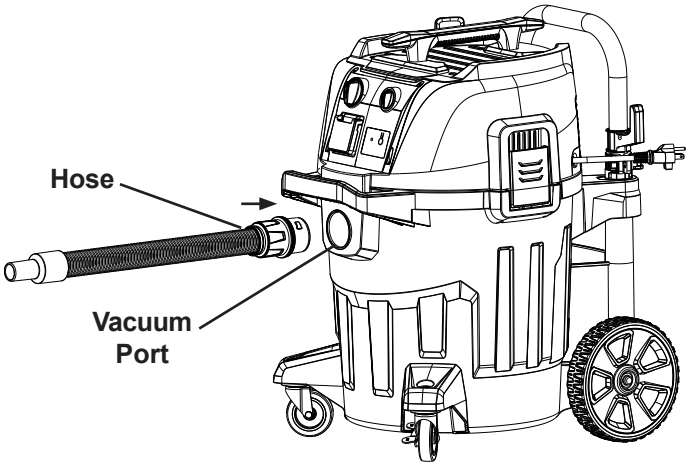
2. **For dry vacuuming:**
   a. Slide HEPA Filters over Cage.
   b. Secure filters by turning clockwise until tight. Do not use excessive force.
   c. When vacuuming fine dust, install Dust Bag by placing it inside of Tank and connecting to Vacuum Port.



3. **For wet vacuuming:** Remove Filters and Dust Bags.

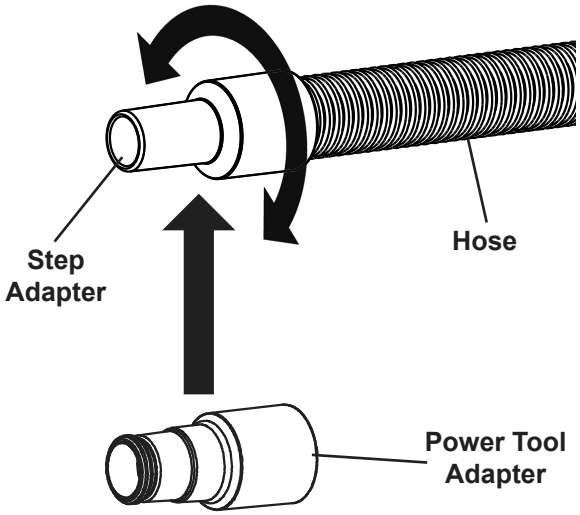
4. Replace Power Head with Power Switch facing forward. Secure with Clips.

5. Insert end of Hose into Vacuum Port and rotate until locked in place.



6. Add Extension Wand(s) and Nozzles as needed.

7. Attaching power tools to Dust Extractor:
   a. Attach power tool to Step Adapter, OR
   b. Remove Step Adapter from Hose and attach Power Tool Adapter to Hose.



OPERATING INSTRUCTIONS

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

Vacuum Operation

⚠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.

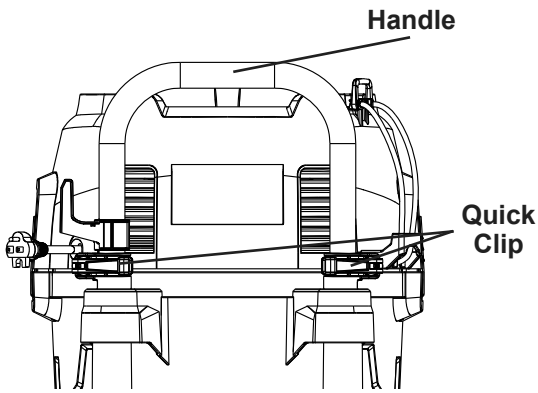
Table A: RECOMMENDED MINIMUM WIRE GAUGE FOR EXTENSION CORDS (120 VOLT)

NAMEPLATE AMPERES (at full load)	EXTENSION CORD LENGTH			
	25′	50′	100′	150′
0 – 6	18	16	16	14
6.1 – 10	18	16	14	12
10.1 – 12	16	16	14	12
12.1 – 16	14	12	Do not use.	

1. USE PROPER EXTENSION CORD.
   Make sure your extension cord is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. Table A shows the correct size to use depending on cord length and nameplate ampere rating.
   If in doubt, use the next heavier gauge.
   The smaller the gauge number, the heavier the cord.

2. Turn Power Switch OFF.
   Plug Power Cord into grounded 120VAC electrical outlet.

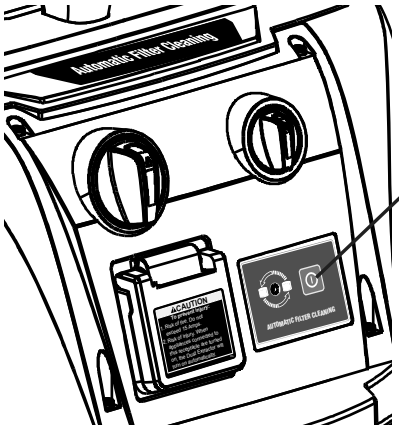
3. Open Quick Clips, adjust Handle, then close Quick Clips.



4. Lock Swivel Casters.

5. Hold the Hose securely. Turn Power Switch ON.

6. To extend life of HEPA Filters, turn on Automatic Cleaning. There will be intermittent pulsing as dust particles are distributed to bottom of tank. When vacuum function decreases, clean and replace HEPA Filters and replace Dust Bag.



7. Adjust Suction Control Knob as needed.

8. CONNECT POWER TOOL:
   a. Turn Power Switch OFF.
   b. Connect Tool's hose to Dust Extractor.
   c. Plug power tool into 120VAC Outlet on Dust Extractor.
   d. Turn Power Switch to position. Turn on power tool to start Dust Collector.

<u>Note:</u> The Vacuum will start after power tool is turned on and will remain on 15-30 seconds after power tool is turned off.

   e. When finished, turn Power Switch OFF. Unplug power tool and Dust Extractor.

9. **WHEN WET VACUUMING:**

WARNING! TO PREVENT SERIOUS INJURY FROM ELECTRIC SHOCK:
Dry your hands and feet before touching plug or switch.
Do not continue to use the vacuum when the tank is full of liquid.
Do not plug in power tool while wet vacuuming.

10. Make sure Automatic Filter Cleaning is off.

    IMPORTANT! Leave a gap at the tip of the nozzle opening to allow air inflow. Do not immerse the nozzle completely in liquid.

    When the Motor sound becomes higher in pitch, the Tank is full and the float is closing off the motor intake.

    IMMEDIATELY:

    a. **DRY YOUR HANDS AND FEET,**
    b. Turn the Vacuum OFF,
    c. Unplug the Power Cord,
    d. Empty the Tank:

11. To prevent accidents, **DRY YOUR HANDS AND FEET,** turn off the appliance and unplug it after use. Empty and clean Tank, dry Tank, clean Filter (see **Cleaning Filters on page 7**), then store the appliance indoors out of children's reach.

USER-MAINTENANCE AND STORAGE

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
   - air leakage on the Tank or Power Head connection
   - cracked or broken parts
   - damaged electrical wiring
   - 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. **⚠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 Filters

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

1. Remove Filters.
2. Tap or shake Filters into a waste can.
3. If needed, flush with plain water. **Allow the Filter to dry for at least 24 hours before replacing. DO NOT USE COMPRESSED AIR.**

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

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. Specify UPC 193175452023 when ordering parts.

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.

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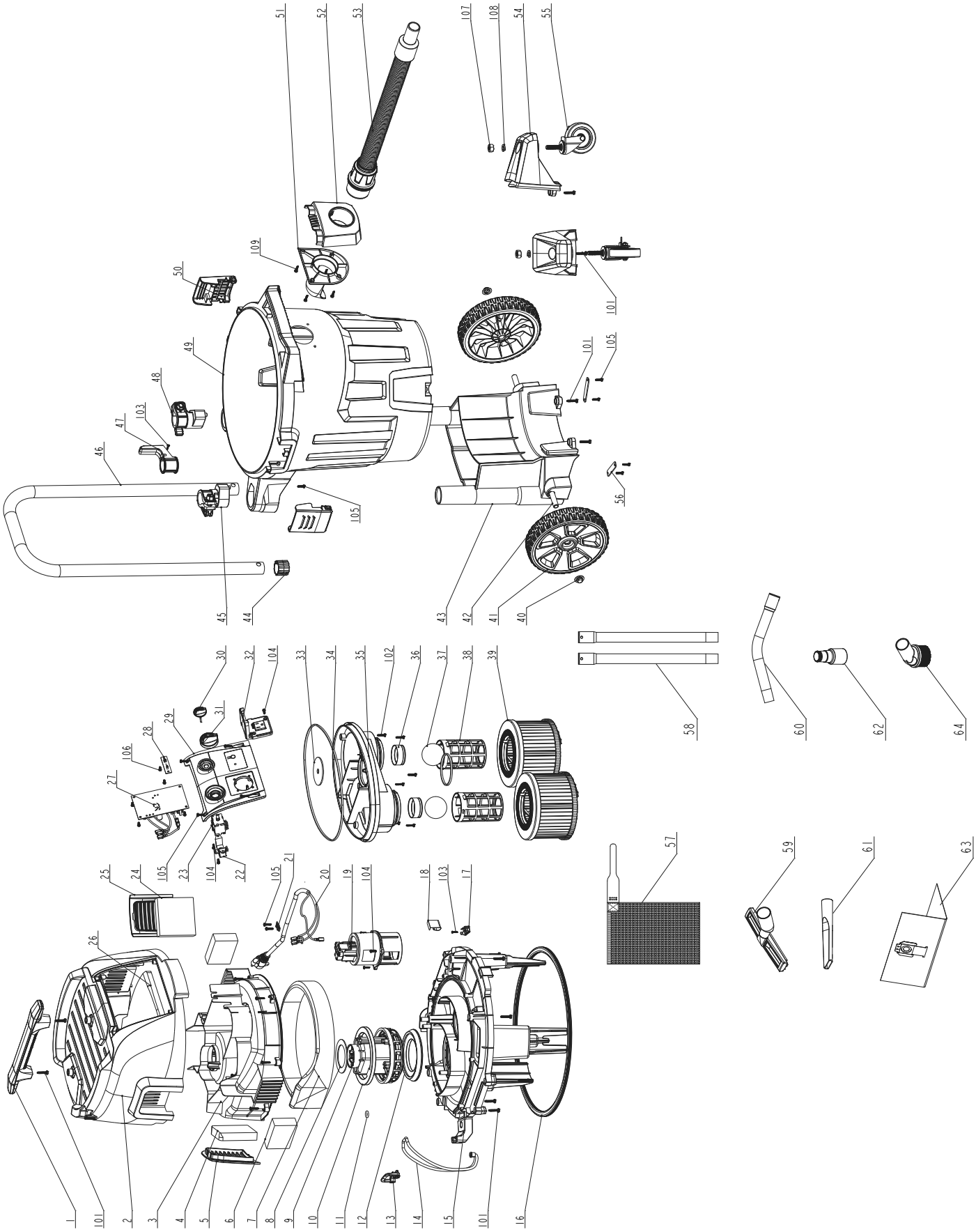
PARTS LIST AND DIAGRAM

Parts List

Part	Description	Qty
1	Power Head Handle	1
2	Head Cover	1
3	Baffle	1
4	Outlet Muffler Sponge	1
5	Outlet Cover A	1
6	Intake Muffler Sponge	2
7	Air Duct Muffler Sponge	1
8	Motor Muffler Sponge	1
9	Motor Assembly	1
10	Air Duct Seal Ring	1
11	O-ring	1
12	Motor Sealing Gasket	1
13	Pull Ring	1
14	Elastic Strap	1
15	Ring Cover	1
16	Ring Cover Seal	1
17	Ground Lug	1
18	Antistatic Copper Sheet	1
19	Valve Assembly	1
20	Power Cord	1
21	Wire Ramp	1
22	Switch Clamp	1
23	Servo Motor Power Switch	1
24	Cooling Air Outlet Muffler Sponge	1
25	Outlet Cover B	1
26	Top Cover Muffler Sponge	1
27	PCBA	1
28	Switch Indicator PCBA	1
29	Control Panel	1
30	Suction Control Knob	1
31	Power Switch	1
32	PTA Assembly	1
33	Valve Seat Seal Gasket	1
34	Seal Strip	1
35	Filter Mount	1
36	Float Seal	2
37	Float	2

Part	Description	Qty
38	Flat Cage	2
39	Filter	2
40	Wheel Cap	2
41	Wheel	2
42	Axle	1
43	Wheel Support	1
44	Sleeve	2
45	Right Sleeve Assembly	1
46	Handle	1
47	Power Cord Hanger	1
48	Left Sleeve Assembly	1
49	Tank	1
50	Clip	2
51	Vacuum Port Cover	1
52	Vacuum Port	1
53	Hose W/Step Adapter	1
54	Foot Support	2
55	Locking Swivel Caster	2
56	Handle Dam-Board	2
57	Accessory Bag	1
58	Extension Wands	2
59	Floor Nozzle	1
60	Elbow Wand	1
61	Crevice Nozzle	1
62	Power Tool Adaptor	1
63	Disposable Bag	1
64	Round Brush	1
101	Screw ST 5.28*25	14
102	Screw ST 4.55*19	15
103	Screw ST 3.12*12	2
104	Screw ST 3.63*13	7
105	Screw ST 4.55*16	12
106	Screw ST 3.63*10	6
107	Nut	2
108	Spring Washer	2
109	Screw ST 4.55*25	4

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.

Visit our website at: http://www.harborfreight.com
Email our technical support at: productsupport@harborfreight.com
For technical questions, please call 1-888-866-5797

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