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 near the assembly diagram (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. 23b

Bauer™ 2252E-B16

16 GALLON
WET DRY VACUUM



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

59850

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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SAFETY

SETUP

OPERATION

MAINTENANCE

Bauer™

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 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. This appliance is provided with double insulation. Use only identical replacement parts. See instructions for Servicing of Double-Insulated Appliances.

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. **Dry your hands and feet before touching plug or switch.**

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

Servicing of Double-Insulated Appliances

A double-insulated appliance is marked with one or more of the following: The words "DOUBLE INSULATION" or "DOUBLE INSULATED" or the double insulation symbol (square within a square): ⧈

In a double-insulated appliance, two systems of insulation are provided instead of grounding. No grounding means is provided on a double-insulated appliance, nor should a means for grounding be added to the appliance. Servicing a double-insulated appliance requires extreme care and knowledge of the system, and should be done only by qualified service personnel. Replacement parts for a double-insulated appliance must be identical to the parts they replace.

Polarization Instructions

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.

Specifications

Electrical Rating	120 VAC / 60 Hz / 12 A
Tank Capacity	16 Gallons

Setup - Before Use:

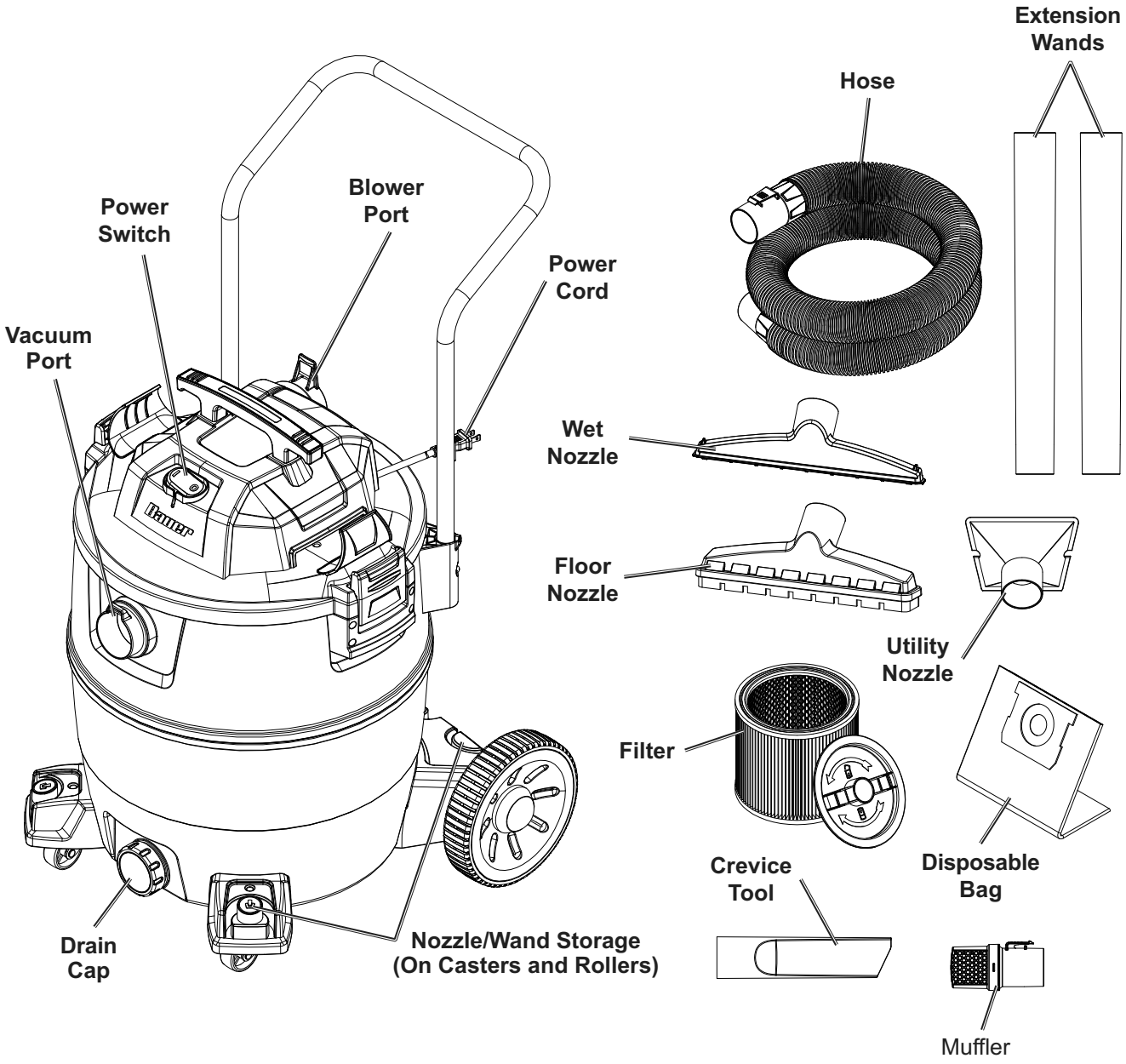
Read the ENTIRE IMPORTANT SAFETY INFORMATION section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

⚠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.

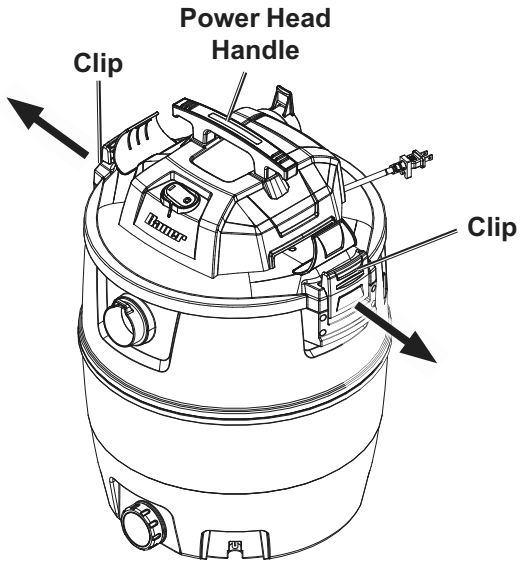
Note: For additional information regarding the parts listed in the following pages, refer to the Assembly Diagram near the end of this manual.

Components and Controls

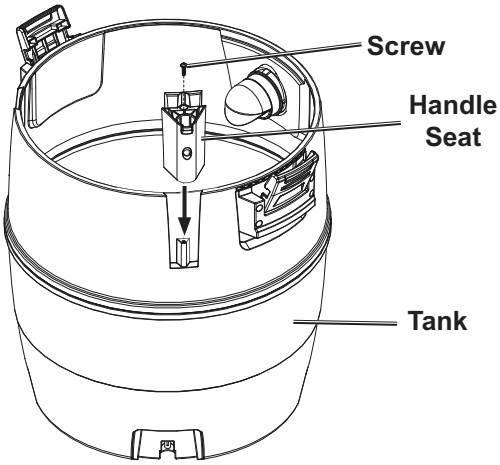


Assembly

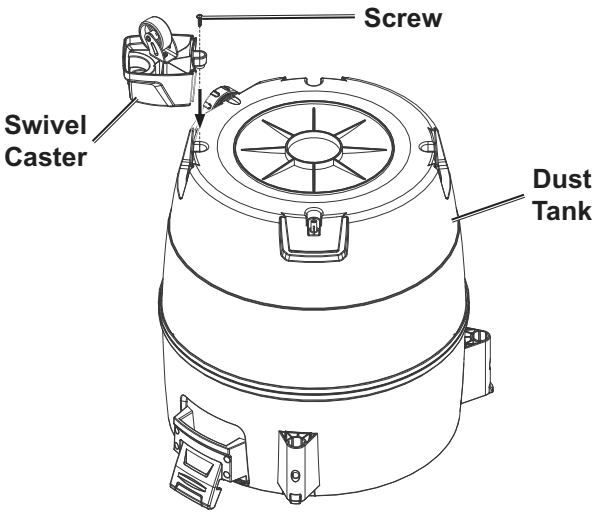
1. Pull Clips outward, then remove Power Head by its Handle.



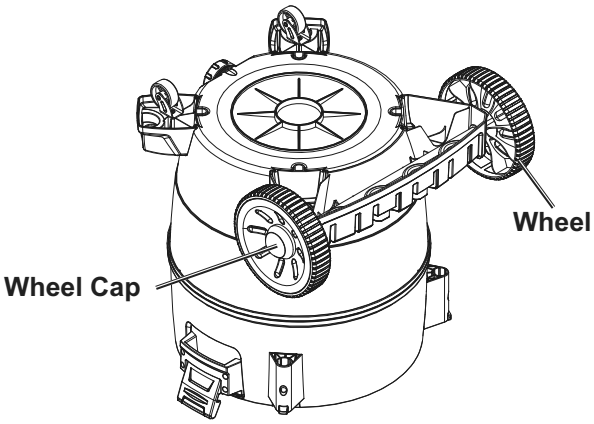
2. Attach Handle Seats to Tank with Screws.



3. Remove contents from Tank, then turn Tank over and attach the Swivel Casters with Screws.



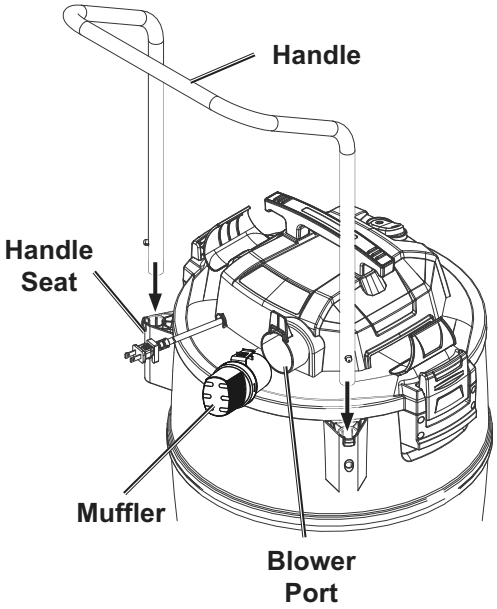
4. Slide Axle through Wheel Support.
5. Place one Washer and Wheel on end of Axle.
6. Insert Cotter Pin through hole on Axle, then bend ends of Cotter Pin away from each other to secure Wheel.
7. Snap Wheel Cap onto Wheel.
8. Repeat on other end of Axle.



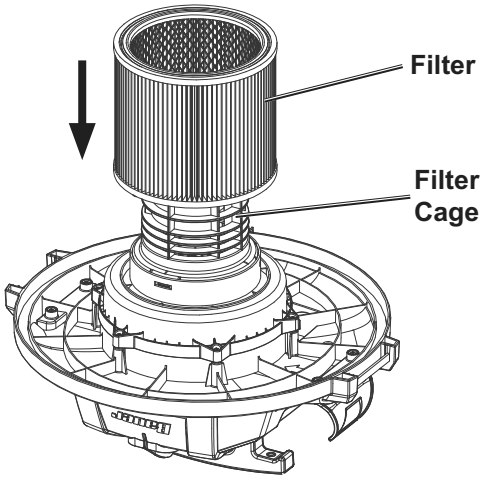
9. Turn Tank right side up.

10. Insert ends of Handle into Handle Seats until they click in place.

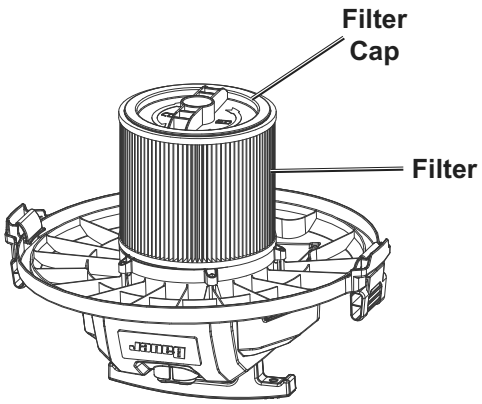
11. Press clip on Muffler then insert it into Blower Port until it clicks in place.



12. **For Dry Vacuuming:**
    a. Install Disposable Bag inside Tank, or
    b. Slide Filter over Filter Cage.



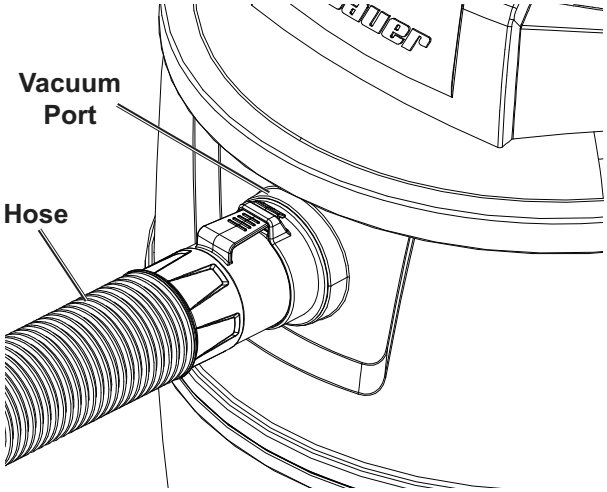
    c. Secure the Filter in place with the Filter Cap.



13. **For wet vacuuming:** Remove Filter or Disposable Bag.

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

15. Push end of Hose into Vacuum Port until clip on Hose clicks into tab on Port.



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

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.

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 electrical outlet.

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

4. **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.

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:
   - Remove Drain Cap.
   - When empty, replace Drain Cap.

5. 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 Filter on page 9**), then store the appliance indoors out of children's reach.

Blower 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 B: 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 B 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.

CAUTION! Wear ANSI-approved safety goggles before use.

2. Remove Power Head and clean out the Tank before using the appliance as a Blower. **CAUTION! Any material left in the Tank may be blown out, causing injury.**
3. Replace Power Head with Power Switch facing forward. Secure with Clips.
4. Remove Hose from Vacuum Port. Push end of Hose into Blower Port, on back of Power Head, until clip on Hose clicks into tab on Port.
5. Turn Power Switch OFF.
   Plug Power Cord into electrical outlet.
6. Hold the Hose securely. Turn Power Switch ON.

CAUTION! Do not point Hose toward another person or animal.

7. To prevent accidents, turn off the appliance and unplug it after use. Clean, 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
   - 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 Filter

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

1. Remove Filter.
2. Tap or shake Filter into a waste can.
3. If needed, flush with plain water from the inside. **Allow the Filter to dry for at least 24 hours before replacing.**

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

4. Replace Filter.

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 and Diagram

Parts List

Part	Description	Qty
1	Handle	1
2	Top Cover	1
3	On/Off Switch	1
4	Thermal Baffle	1
5	Motor	1
6	Power Cord	1
7	Power Cord Clamp	1
8	Hose Clip	2
9	Power Head	1
10	Power Head Cover	2
11	Power Head Seal	2
12	Sponge Seal	1
13	Tray	1
14	Float Seal	1
15	Float	1
16	Filter Cage	1
17	Vacuum Port	1
18	Drain Cover	1

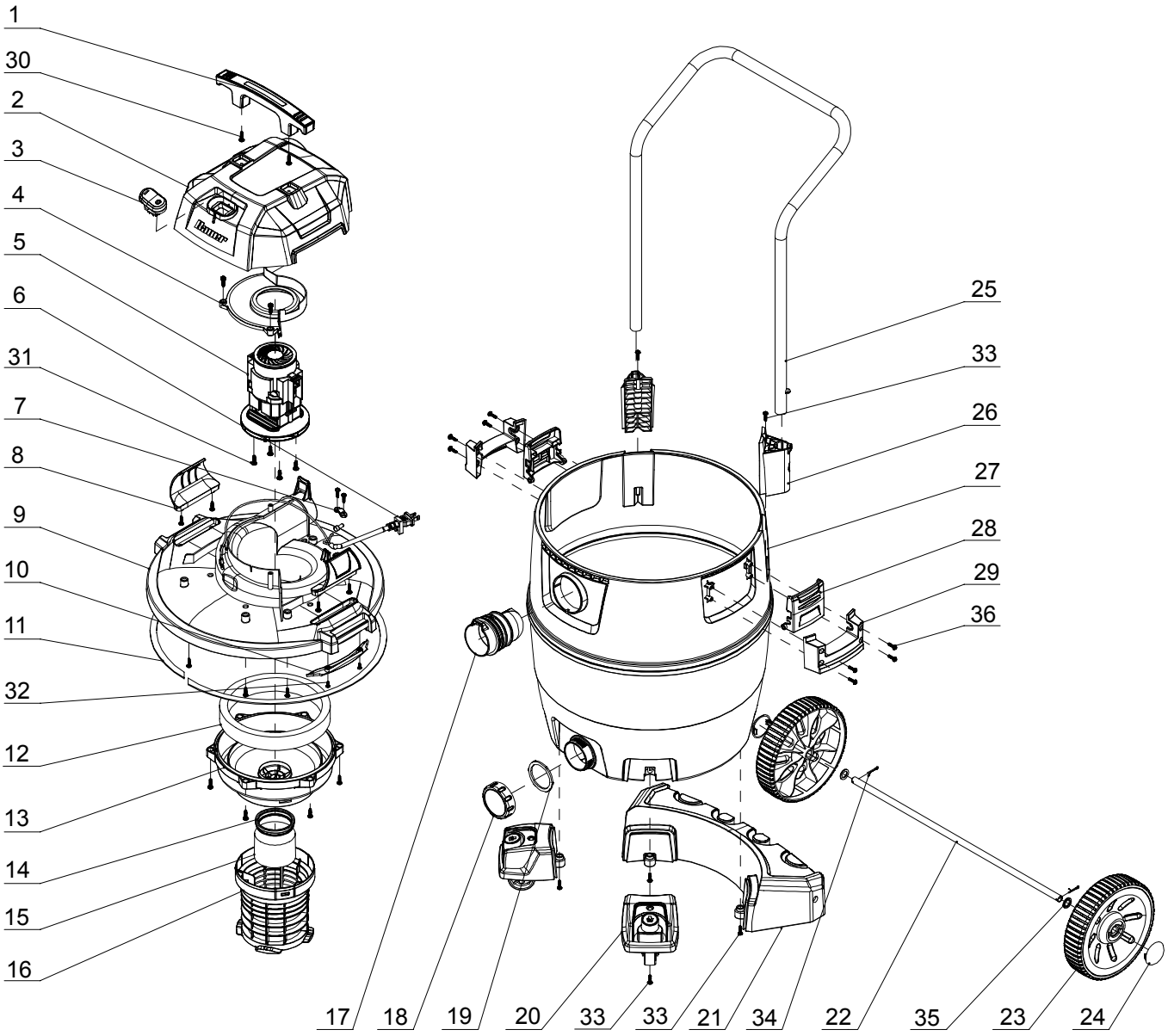
Part	Description	Qty
19	Drain Cover Seal	1
20	Swivel Caster	2
21	Wheel Support	1
22	Axle	1
23	Wheel	2
24	Wheel Cap	2
25	Handle	1
26	Handle Seat	2
27	Tank	1
28	Clip	2
29	Latch Clip Bracket	2
30	Screw ST3.9×16F	24
31	Screw ST4.8×16F	4
32	Screw ST2.9×10F	7
33	Screw ST3.9×16F	6
34	Cotter Pin	2
35	Washer	2
36	Screw ST3.9×16F	8

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 193175487940 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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