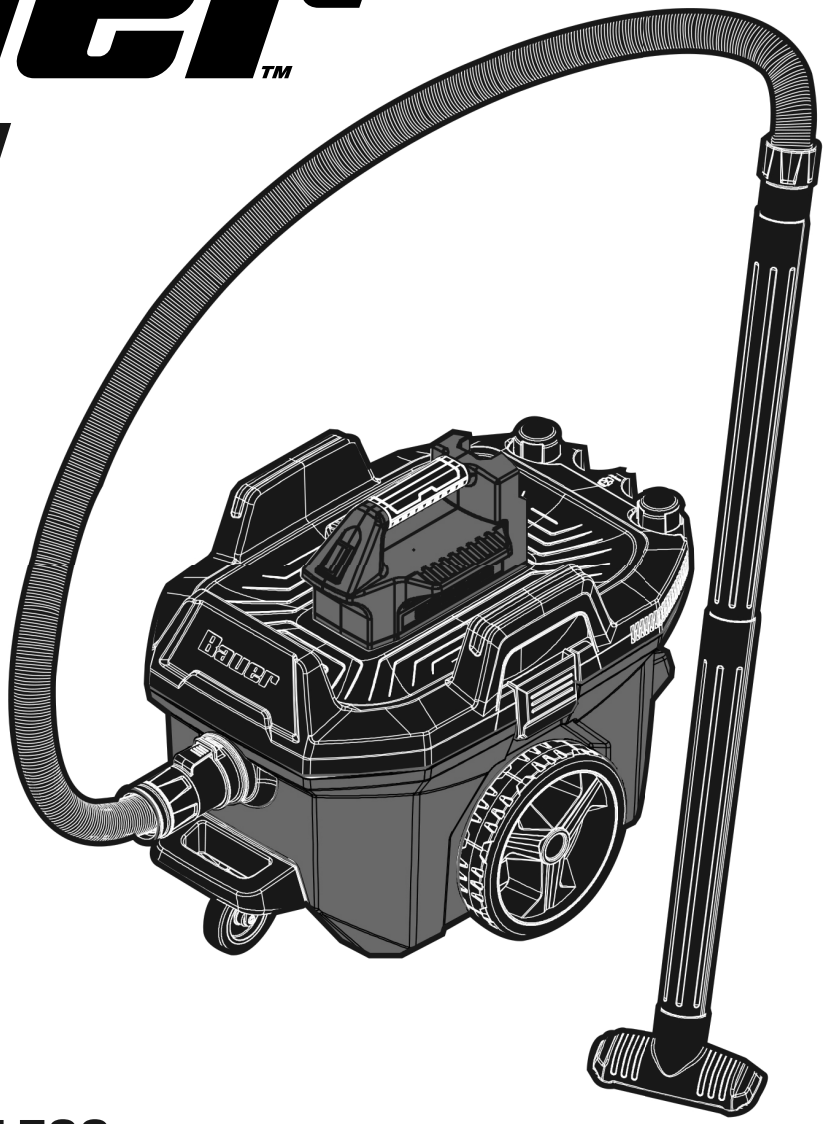
# Owner's Manual & Safety Instructions

**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. 21c

Bauer™

2152C-B7

20v HYPERMAX™ LITHIUM-ION




**For Best Results,**
**Use 5.0 Amp Hour Battery**
**(Sold Separately)**

# 20v 7 GALLON CORDLESS WET/DRY VACUUM

**Visit our website at: http://www.harborfreight.com**
**Email our technical support at: productsupport@harborfreight.com** **58774**

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 ..... 2
Specifications ..... 6
Setup ..... 6
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Maintenance ..... 9
Parts List and Diagram ..... 11
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| 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. |

# IMPORTANT SAFETY INFORMATION

## General Power Tool Safety Warnings

### ⚠ WARNING

**Read all safety warnings and all instructions.**
*Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.*

**Save all warnings and instructions for future reference.**

*The term "power tool" in the warnings refers to your battery-operated (cordless) power tool.*

## Work Area Safety

1. **Keep work area clean and well lit.** *Cluttered or dark areas invite accidents.*
2. **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** *Power tools create sparks which may ignite the dust or fumes.*
3. **Keep children and bystanders away while operating a power tool.** *Distractions can cause you to lose control.*

## Electrical Safety

**Do not expose power tools to rain or wet conditions.**
*Water entering a power tool will increase the risk of electric shock.*

## Personal Safety

1. **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** *A moment of inattention while operating power tools may result in serious personal injury.*

2. **Use personal protective equipment. Always wear eye protection.** Protective *equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.*

3. **Prevent unintentional starting. Ensure the Trigger is in the off-position before connecting to power source, picking up or carrying the tool.** *Carrying power tools with your finger on the Trigger or energizing power tools that have the Trigger on invites accidents.*

4. **Do not overreach. Keep proper footing and balance at all times.** *This enables better control of the power tool in unexpected situations.*

5. **Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts.** *Loose clothes, jewelry or long hair can be caught in moving parts.*

6. **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** *Use of dust collection can reduce dust-related hazards.*

7. **Only use safety equipment that has been approved by an appropriate standards agency.** *Unapproved safety equipment may not provide adequate protection. Eye protection must be ANSI-approved and breathing protection must be NIOSH-approved for the specific hazards in the work area.*

## Power Tool Use and Care

1. **Do not force the power tool. Use the correct power tool for your application.** *The correct power tool will do the job better and safer at the rate for which it was designed.*

2. **Do not use the power tool if the Trigger does not turn it on and off.** *Any power tool that cannot be controlled with the Trigger is dangerous and must be repaired.*

3. **Disconnect the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.** *Such preventive safety measures reduce the risk of starting the power tool accidentally.*

4. **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** *Power tools are dangerous in the hands of untrained users.*

5. **Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.** *Many accidents are caused by poorly maintained power tools.*

6. **Keep cutting tools sharp and clean.** *Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.*

7. **Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** *Use of the power tool for operations different from those intended could result in a hazardous situation.*

## Battery tool use and care

1. Prevent unintentional starting. Ensure the switch is in the off-position before connecting to battery pack, picking up or carrying the power tool. Carrying the power tool with your finger on the switch or energizing power tool that have the switch on invites accidents.
2. Disconnect the battery pack from the power tool before making any adjustments, changing accessories, or storing power tool. Such preventive safety measures reduce the risk of starting the power tool accidentally.
3. Recharge only with the charger specified by the manufacturer. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
4. Use power tools only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.
5. When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire.
6. Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.
7. Do not use a battery pack or power tool that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion or risk of injury.
8. Do not expose a battery pack or power tool to fire or excessive temperature. Exposure to fire or temperature above 265°F may cause explosion.
9. Follow all charging instructions and do not charge the battery pack or power tool outside of the temperature range specified in the instructions. Charging improperly or at temperatures outside of the specified range may damage the battery and increase the risk of fire.
10. Have servicing performed by a qualified repair person using only identical replacement parts. This will ensure that the safety of the product is maintained.
11. Do not modify or attempt to repair the power tool or the battery pack except as indicated in the instructions for use and care.

## Service

1. Have your power tool serviced by a qualified repair person using only identical replacement parts. *This will ensure that the safety of the power tool is maintained.*
2. Maintain labels and nameplates on the tool. These carry important safety information. If unreadable or missing, contact Harbor Freight Tools for a replacement.
3. Do not leave the tool unattended when the Battery Pack is connected. Turn off the tool, and remove the Battery Pack before leaving.
4.  The battery Charger gets hot during use. The Charger's heat can build up to unsafe levels and create a fire hazard if it does not receive adequate ventilation, due to an electrical fault, or if it is used in a hot environment.
   Do not place the Charger on a flammable surface.
   Do not obstruct any vents on the Charger.
   **Especially avoid placing the Charger on carpets and rugs; they are not only flammable, but they also obstruct vents under the Charger.**
   Place the Charger on a stable, solid, nonflammable surface (such as a stable metal workbench or concrete floor) at least 1 foot away from all flammable objects, such as drapes or walls. Keep a fire extinguisher and a smoke detector in the area. Frequently monitor the Charger and Battery Pack while charging.
5. This product is not a toy. Keep it out of reach of children.
6. 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.
7. 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.

# Lithium Battery Safety Warnings



**LITHIUM BATTERIES STORE A LARGE AMOUNT OF ENERGY AND WILL VENT FIRE OR EXPLODE IF MISTREATED:**



1. **Keep Battery Pack dry.**
2. **DO NOT DO ANY OF THE FOLLOWING TO THE BATTERY PACK:**
   a. **Open,**
   b. **Drop,**
   c. **Short-circuit,**
   d. **Puncture,**
   e. **Incinerate, or**
   f. **Expose to temperatures greater than 265°F.**
3. Charge Battery Pack only according to its Charger's instructions.
4. Inspect Battery Pack before every use; do not use or charge if damaged.

## Grounding

**⚠WARNING**



**TO PREVENT ELECTRIC SHOCK AND DEATH FROM INCORRECT GROUNDING: Check with a qualified electrician if you are in doubt as to whether the outlet is properly grounded. Do not modify the power cord plug provided with the charger. Do not use the charger if the power cord or plug is damaged. If damaged, have it repaired by a service facility before use. If the plug will not fit the outlet, have a proper outlet installed by a qualified electrician.**

# Extension Cords

**Note:** Extension cords must not be used with this item's Charger.



**SAVE THESE INSTRUCTIONS.**

# Symbology

| | |
|---|---|
|  | Double Insulated |
| V | Volts |
| ⎓ | Direct Current |
| ~ | Alternating Current |
| A | Amperes |
|  | WARNING marking concerning Risk of Eye Injury. Wear ANSI-approved safety goggles with side shields. |

| | |
|---|---|
|  | Read the manual before set-up and/or use. |
|  | WARNING marking concerning Risk of Fire. Do not cover Charger ventilation ducts. Charge on fireproof surface only. |
|  | WARNING marking concerning Risk of Electric Shock. Properly connect Charger's power cord to appropriate outlet. |
|  | WARNING marking concerning Risk of Explosion. Do not puncture, short, or open battery packs and do not charge damaged battery packs. |

## Specifications

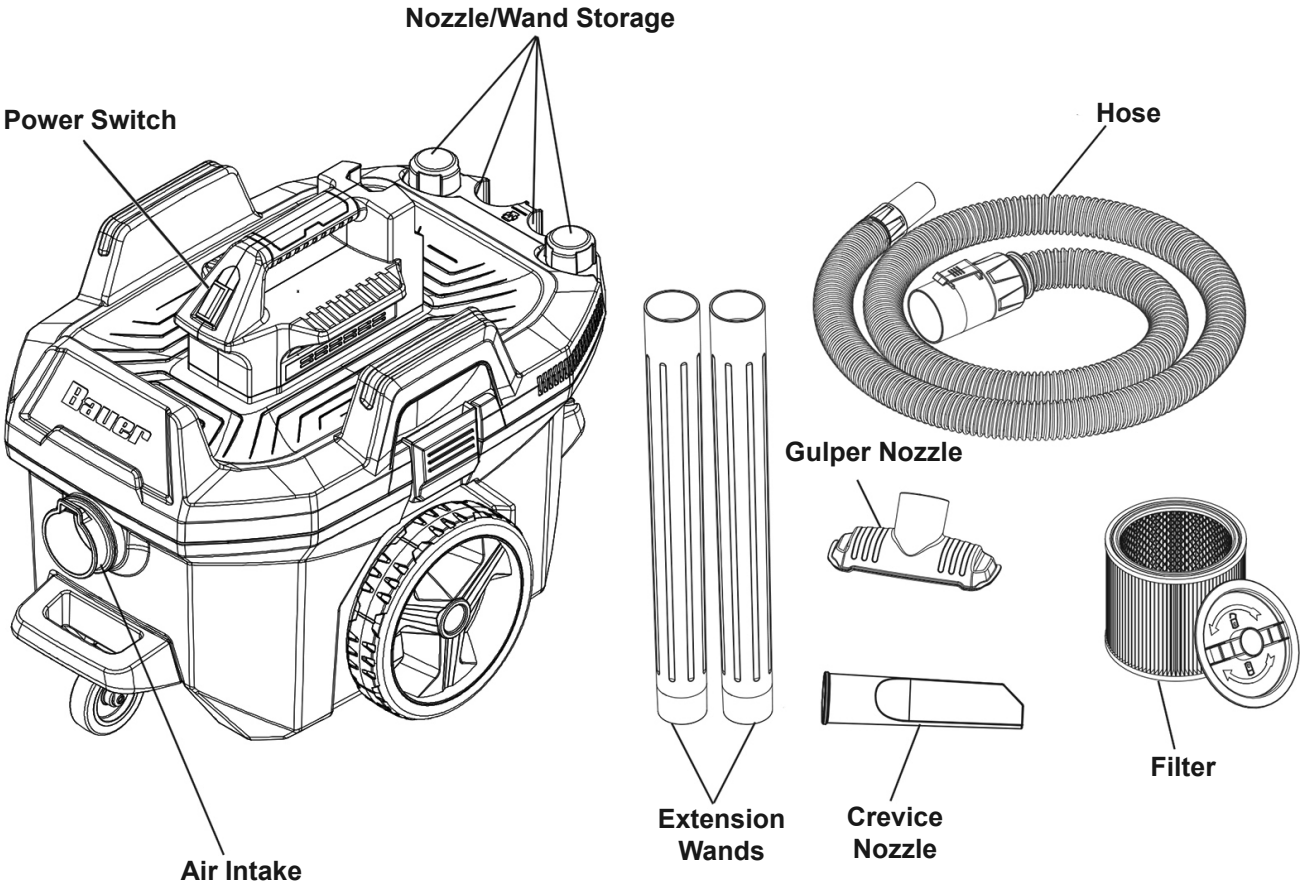
| | |
|---|---|
| Battery Type | Bauer 20V 5.0 AH Li-Ion Battery Pack (57007, sold separately) |
| Charger Type | Bauer 20V Li-Ion Charger (63947, sold separately) |
| Hose Diameter | 1-7/8″ |
| Hose Length | 6-1/2′ |
| Capacity | 7 Gallons |

## 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.**

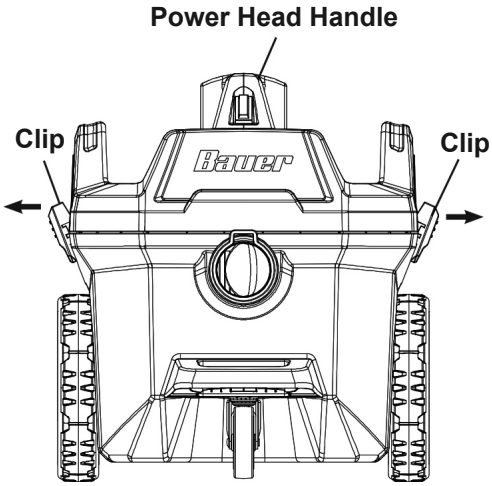
**Note:** For additional information regarding the parts listed in the following pages, refer to *Parts List and Diagram* on page 11.

# Components

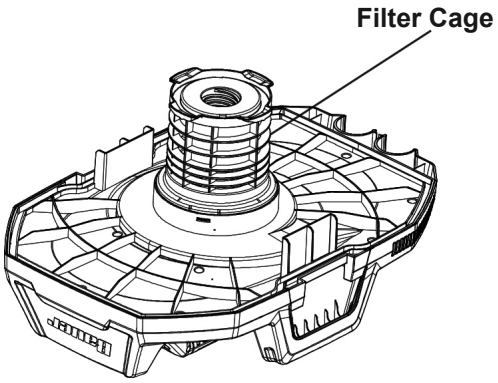


# Assembly

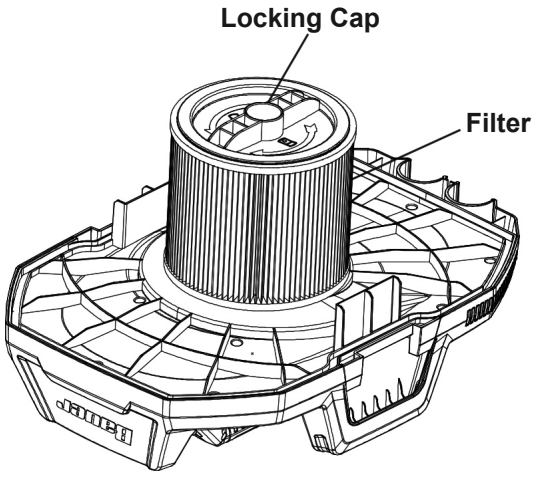
1. Pull clips outward, then remove Power Head by its Handle.



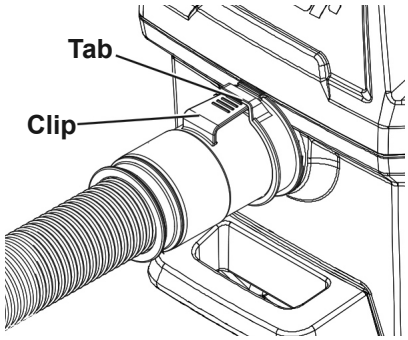

2. **For dry vacuuming:**
   a. Slide Filter over Filter Cage.




   b. Secure Filter with Locking Cap.




3. **For wet vacuuming:** remove filter.
4. Replace Power Head with Power Switch facing forward. Secure with Clips.
5. Push end of Hose into Vacuum Port until clip on Hose clicks into tab on Port.




6. Add Extensions or Accessories as necessary.

# Charging

1. Charge battery after unpacking and before using this tool.
2. Follow all instructions and safety precautions included with battery and charger.

**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.**

## General Operation

**Note:** Do not operate vacuum without filter (dry vacuuming).

1. Make sure Power Switch is in off position, then insert a fully charged Battery Pack until it clicks into place.
2. Locate Air Intake on the vacuum, insert one end of the hose into the air intake.

**Note:** Tank must be securely closed or vacuum will not operate properly.

3. Turn Power Switch to on position.
4. When wet vacuuming:
   a. Make sure hands and feet are dry before touching switch or Battery Pack.
   b. Do not continue to use vacuum if tank is full of liquid.
   c. Do not immerse nozzle completely in liquid. Leave a gap at the time of the nozzle opening to allow air intake.
   d. When Motor sound becomes higher in pitch, the tank is full and the float is closing off the Motor Intake. Immediately dry hand and feet, turn Switch to off position, remove Battery Pack, and empty Tank.
5. After using vacuum, make sure Switch is in off position and battery is disconnected. Empty and clean Tank, dry Tank, clean Filter, and store indoors and 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:**
**Make sure that the Trigger is in the off-position and remove its Battery Pack before performing any procedure in this section.**

**TO PREVENT SERIOUS INJURY FROM TOOL 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 tool. Check for:
   - leaking, swollen, or cracked battery pack,
   - loose hardware,
   - misalignment or binding of moving parts,
   - cracked or broken parts, and
   - any other condition that may affect its safe operation.
2. **AFTER USE,** wipe external surfaces of the tool with clean cloth.
3. All parts are permanently lubricated. Do not use additional lubrication.
4. Disconnect battery pack and store battery pack, charger, and tool in dry, indoor area out of reach of children and away from metal objects (i.e., paperclips, coins) to prevent shorting.

## Cleaning Filter

**Note:** 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.

**WARNING!** Allow the Filter to dry for at least 24 hours before replacing. Installing a wet Filter increases the risk of electric shock and may cause injury and/or damage the vacuum.

4. Replace Filter.

# Troubleshooting

| Problem | Possible Causes | Likely Solutions |
|---|---|---|
| Tool will not start. | 1. Battery Pack not properly connected. | 1. Remove Battery Pack, make sure there are no obstructions, reinsert the Battery Pack according to its shape (it should only fit one way), and press firmly until the Battery Pack locks in place. |
| | 2. Battery Pack not properly charged. | 2. Make sure Charger is connected and operating properly. Give enough time for Battery Pack to recharge properly. |
| | 3. Battery Pack burnt-out. | 3. Dispose of old Battery Pack properly or recycle. Replace Battery Pack. |
| | 4. Internal damage or wear. (Carbon brushes or Trigger, for example.) | 4. Have technician service tool. |
| Tool operates slowly. | 1. Forcing tool to work too fast. | 1. Allow tool to work at its own rate. |
| | 2. Battery Pack wearing out. | 2. Dispose of old Battery Pack properly or recycle. Replace Battery Pack. |
| Performance decreases over time. | Carbon brushes worn or damaged. | Have qualified technician replace brushes. |
| Excessive noise or rattling. | Internal damage or wear. (Carbon brushes or bearings, for example.) | Have technician service tool. |
| Overheating. | 1. Forcing tool to work too fast. | 1. Allow tool to work at its own rate. |
| | 2. Blocked motor housing vents. | 2. Wear ANSI-approved safety goggles and NIOSH-approved dust mask/respirator while blowing dust out of motor using compressed air. |

**Follow all safety precautions whenever diagnosing or servicing the tool.**
**Disconnect Battery Pack and Charger 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.

**Record Product's Serial Number Here:**_____

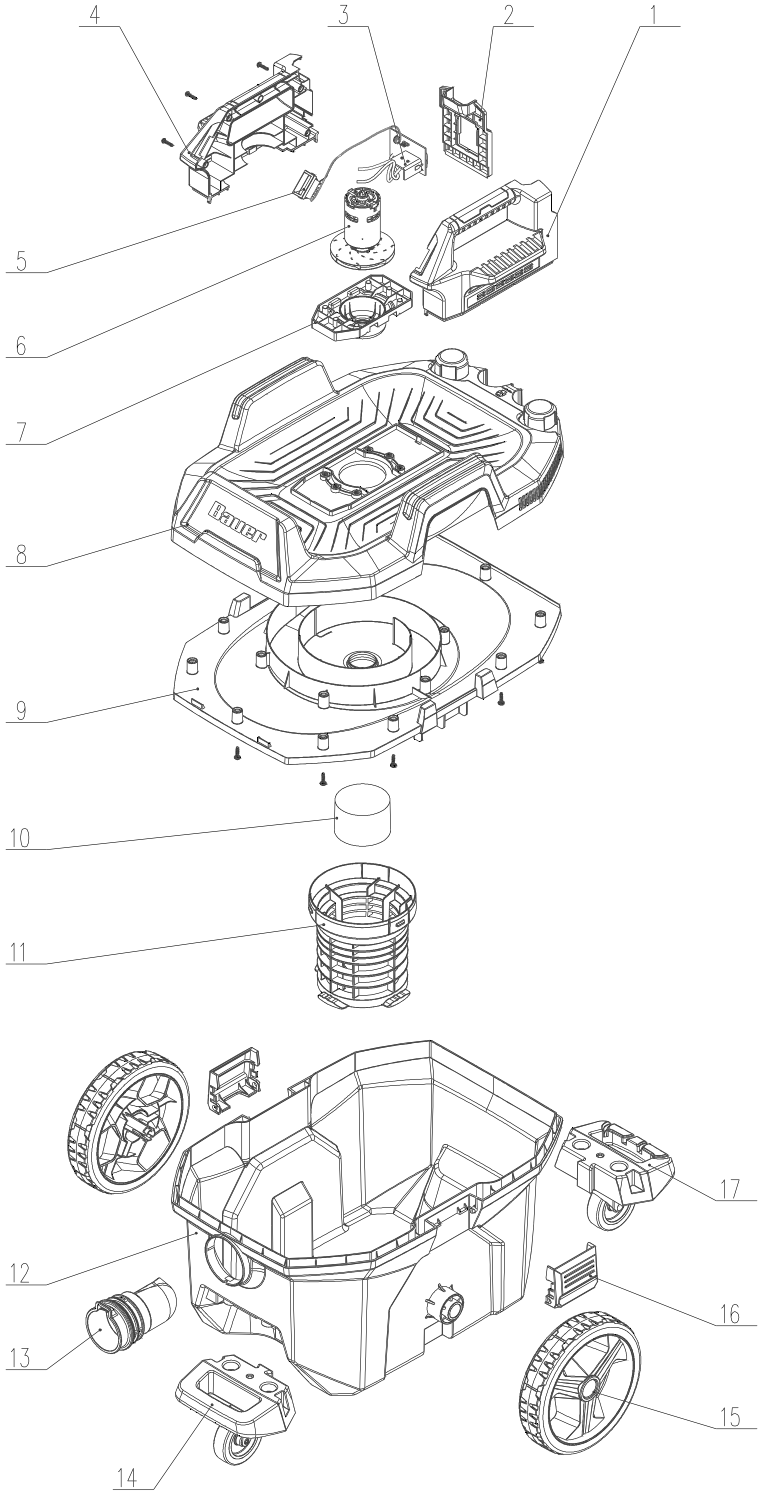
**Note: If product has no serial number, record month and year of purchase instead.**

**Note:** Some parts are listed and shown for illustration purposes only, and are not available individually as replacement parts. Specify UPC 193175446473 when ordering parts.

## Parts List and Diagram

| Part | Description | Qty |
|---|---|---|
| 1 | Handle (Left) | 1 |
| 2 | Rear Cover | 1 |
| 3 | PCBA | 1 |
| 4 | Handle (Right) | 1 |
| 5 | Power Switch | 1 |
| 6 | DC Motor | 1 |
| 7 | Motor Fixing Plate | 1 |
| 8 | Top Cover | 1 |
| 9 | Lid | 1 |

| Part | Description | Qty |
|---|---|---|
| 10 | Float | 1 |
| 11 | Filter Cage | 1 |
| 12 | Tank | 1 |
| 13 | Vacuum Port | 1 |
| 14 | Caster (Front) | 1 |
| 15 | Wheel | 2 |
| 16 | Lid Latch | 2 |
| 17 | Caster (Back) | 1 |



## 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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