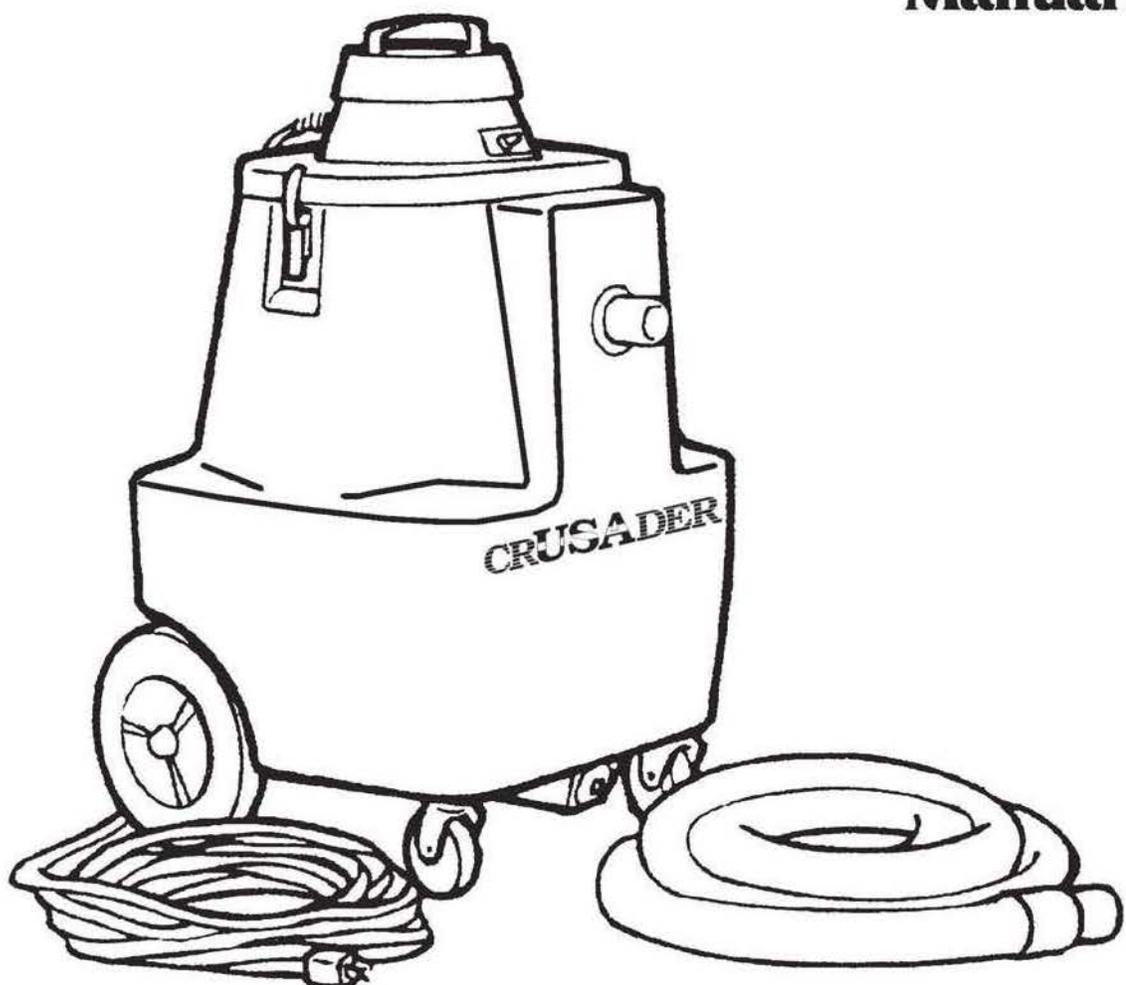


CRUSADER

MADE WITH PRIDE IN AMERICA

Wet / Dry Vacuum Premium and Utility Lines

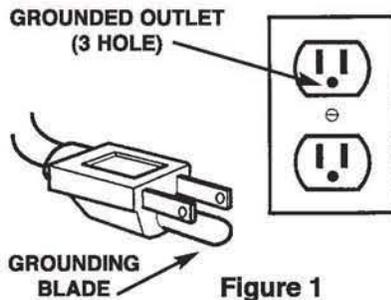
**Operator and Parts
Manual**



SET-UP and OPERATION

1. Carefully unpack and inspect your vacuum for shipping damage. Each unit is tested and thoroughly inspected before shipment, and any damage is the responsibility of the delivering carrier. If you do find damage, notify the delivering carrier IMMEDIATELY.
2. Install the float and float cage to the head assembly (premium line only). When installing float, make sure the weighted bolt in the float faces away from the vacuum head. Remove the nut from the tensioning screw on the float cage. The float cage will now snap onto the bottom of the head assembly. Thread the nut onto the tension screw and tighten until the float cage is firmly attached to the vacuum head.

3. Plug the Power Cord into a grounded (earthed) 120 volt outlet. See Figure 1.



WARNING!!! TO AVOID SERIOUS PERSONAL INJURY: Do not expose to rain. Store indoors. Disconnect power if machine is left unattended. Plug into grounded outlets only. Do not use an adapter or remove ground pin on plug. Do not use if cord is damaged. Disconnect power before servicing. Electrical service must be performed by an authorized service station or electrician. Do not use machine to recover hazardous or flammable materials. Do not use where explosive vapors or dust are present in the air. Do not allow machine to freeze.

4. Handle Installation - 15-gallon tank only. Install handle to the tank with the bolts and washers provided. Remove bolts and washers from handle and slide handle into tube brackets located between the rear wheels on the tank. Secure with the two bolts and washers provided.
5. For maximum filtering efficiency when dry vacuuming, always use disposable paper filters in addition to the cloth wet/dry filter bag. Disposable paper filter bags slide over the intake elbow. For wet vacuuming, remove the paper filter bag.
6. Place the vacuum head on top of the tank and secure it using the clamps on either side of the tank.
7. Attach the swivel cuff end of the hose to the intake on the front of the tank.
8. Check the drain plug located on the lower front of the tank. Make sure this plug is secure. If it is loose, tighten it by rotating locking handle clockwise.

ROUTINE MAINTENANCE:

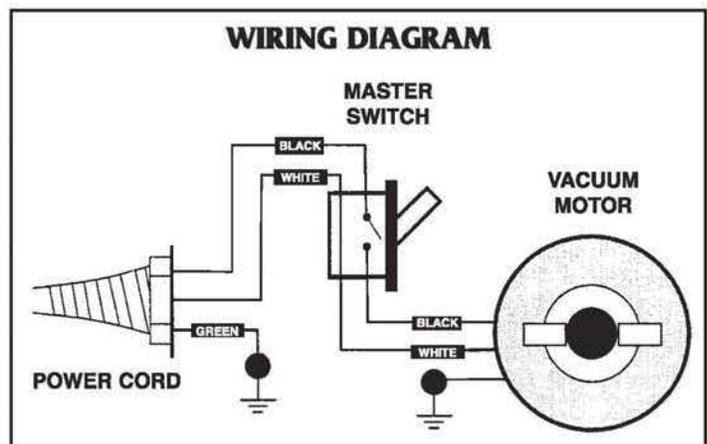
1. Clean the cloth filter bag frequently by shaking dust and debris from it. The filter bag can be washed out using a mild soap and water. Using disposable paper bags will help keep the filter bag clean.

WARNING!!! To avoid serious personal injury, never clean the cloth filter bag using any flammable chemicals. Fumes from the cleaning chemicals may cause an explosion inside the vacuum.

2. There is a plastic tubular screen and a foam filter on the float assembly. This keeps debris from entering during wet pickup and damaging the vacuum motor. Periodically remove the filter assembly and clean the screen and foam filter for top performance. Be sure to install the filter assembly with the foam filter, screen and float before using the vacuum again.
3. If water gets drawn into the vacuum head, turn the power off immediately. Remove the head assembly from the tank and place it on the floor. Turn on the power for three minutes to blow any liquid out of the vacuum motor.

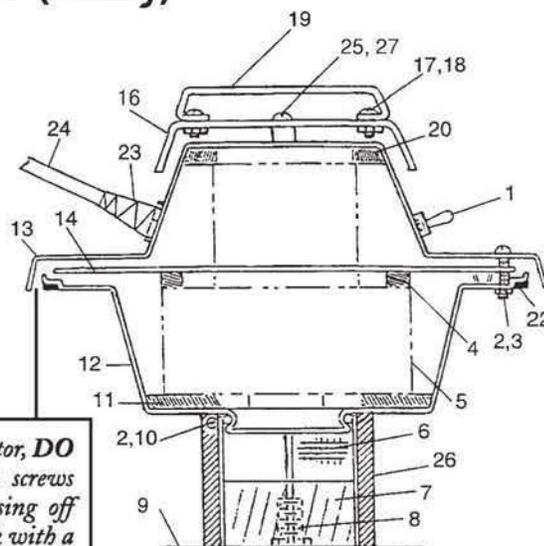
IMPORTANT: If you are vacuuming up liquids which may cause foaming, be sure to use a quality defoamer chemical. Foam will not shut off the float and will be drawn into the vacuum motor. Damage due to foam WILL NOT BE COVERED BY WARRANTY.

4. If vacuum performance decreases during operation, turn off power, remove the head assembly from the tank and inspect the intake elbow for blockage. If the intake area is open, check the hose for blockage or damage.
5. Empty the tank after each use and rinse it to prevent odor build-up.



VACUUM HEAD PARTS LIST (Utility)

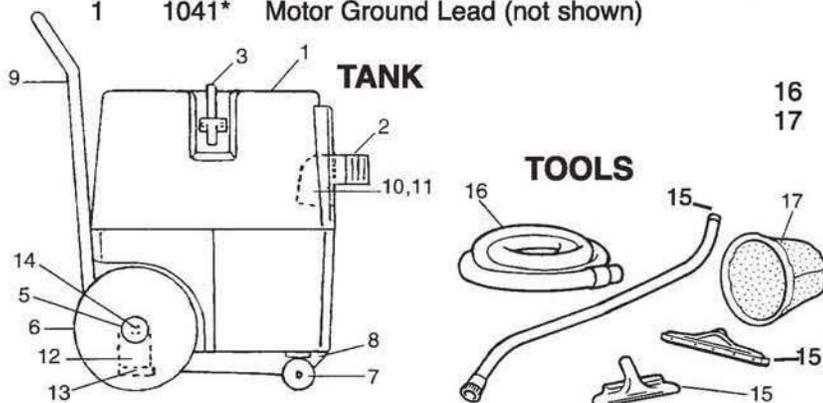
| ITEM | QTY. | PART # | DESCRIPTION |
|------|------|--------|--|
| 1 | 1 | 2107 | Toggle Switch |
| 2 | 7 | 1009 | Lock Nut, Stainless Steel |
| 3 | 6 | 1010 | Machine Screw, Stainless Steel |
| 4 | 1 | 2042 | Gasket 850, 1050, 1050-cc |
| | 1 | 2152 | Gasket M1300 |
| | 1 | 2041 | Gasket M1200 |
| 5 | 1 | 2050 | Motor Vac (850) |
| | | 2051 | Motor Vac (1050) 2051EM (1050-cc) |
| | | 2052 | Motor Vac (1200) |
| | | 2055 | Motor Vac (1300) |
| | 1 | 2053 | Brush Carbon (850, 1050, 1200) 2 piece set |
| | 1 | 2055-1 | Brush, Carbon (1300) 2 piece set |
| 6 | 1 | 2019 | Plastic Screen |
| 7 | 1 | 2014 | Float |
| 8 | 1 | 1011 | Float Bolt |
| 9 | 1 | 2016 | Float Cage |
| 10 | 1 | 1007 | Machine Screw Stainless Steel |
| 11 | 1 | 2057 | Gasket 850, 1050, 1050-cc |
| | 1 | 2040 | Gasket M1300 |
| | 1 | 2042 | Gasket M1200 |
| 12 | 1 | 2025 | Bottom Spinning |
| 13 | 1 | 2323 | Outside Spinning |
| 14 | 1 | 2024 | Motor Spinning (850, 1050) (1050-cc) |
| | 1 | 2024A | Motor Spinning (1300) |
| | 1 | 2024B | Motor Spinning (1200) |
| 16 | 1 | 2120 | Top Spinning |
| 17 | 2 | 1004 | 1/4" Screw |
| 18 | 2 | 1005 | 1/4" Nut |
| 19 | 1 | 2121 | Top Handle |
| 20 | 1 | 2041 | Top Gasket (1300) |
| | 1 | 2043 | Top Gasket (850, 1050) |
| | 1 | 2064 | Top Gasket (1050-cc, 1200) |
| 22 | 1 | 2039 | Gasket |
| 23 | 1 | 2028 | Strain Relief and Nut |
| 24 | 1 | 2029 | 35 Foot Power Cord |
| 25 | 3 | 1022 | Tapping Screw, 1" (850) |
| | 3 | 1016 | Tapping Screw, 1 1/4" (1050) |
| | 3 | 1013 | Tapping Screw, 1 1/2" (1200, 1300) |
| 26 | 1 | 4081 | Foam Filter |
| 27 | 3 | 1034 | Spacer 3/8" (850, 1200, 1300) (1050-cc) |
| | 3 | 1035 | Spacer 5/8" (1050, 1200, 1300) (1050-cc) |
| | | | * Not Shown |
| | 1 | 2018* | Bag Ring (not shown) |
| | 1 | 2141* | Switch Decal (not shown) |
| | 1 | 1014* | Female Terminal (not shown) |
| | 1 | 1038* | Ground Lead Tapping Screw (not shown) |
| | 1 | 1041* | Motor Ground Lead (not shown) |



When changing motor, DO NOT over-tighten screws to the point of closing off the air space. Check with a piece of wire or paper clip to make sure there is an opening.

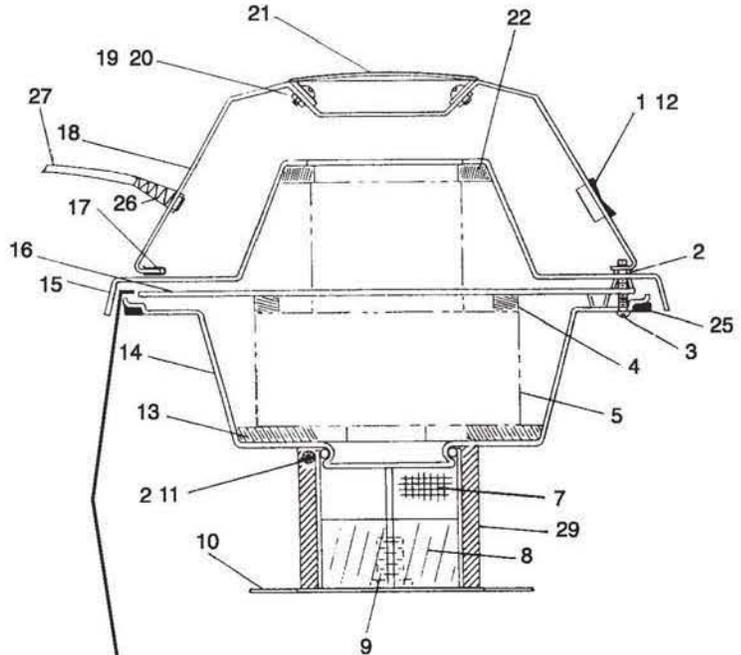
TANK AND TOOLS PARTS LIST

| ITEM | QTY. | PART # | DESCRIPTION |
|------|------|--------|------------------------------------|
| 1 | 1 | 2015 | Tank, 15 Gallon |
| | 1 | 2010 | Tank, 10 Gallon |
| | 1 | 2005 | Tank, 5 Gallon |
| 2 | 1 | 2007 | Intake |
| 3 | 2 | 2006 | Latch |
| 5 | 2 | 2004 | Hub Cap |
| 6 | 2 | 2001 | Wheel, 8" Gray |
| | 2 | 2001A | Wheel HD |
| 7 | 2 | 2002 | Caster |
| | 2 | 2002A | Caster HD |
| 8 | 1 | 2020 | Drain Plug |
| | 1 | 2220 | T-Drain Plug |
| 9 | 1 | 4016A | Handle |
| 10 | 1 | 2008 | Deflector Elbow |
| 11 | 1 | 2009 | Intake Gasket |
| 12 | 2 | 2049 | Handle Bracket |
| 13 | 2 | 1052 | Screw, 3/8 - 16 x 1" |
| 14 | 1 | 2056 | Axle, 15 Gallon Tank |
| | 1 | 2003 | Axle, 10/5 Gallon Tank |
| 15 | 1 | 4020 | Tool Kit |
| | 1 | 4003 | Wand |
| | 1 | 4001 | Tool, Rug 11" |
| | 1 | 4000 | Squeegee, 14" Push/Pull |
| | 1 | 4002* | Hand Tool (not shown) |
| 16 | 1 | 4010 | Hose, 1-1/2" x 10 with Swivel Cuff |
| 17 | 1 | 4040 | Cloth Filter Bag |
| | 1 | 4043 | Nylon Bag |
| | 1 | 4049 | Coated Bag |
| | 1 | 4014 | Pleated Bag |
| | 1 | 4013* | Paper Filter Bag (not shown) |

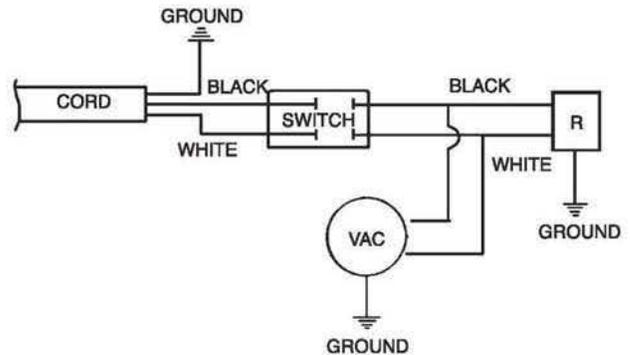


VACUUM HEAD PARTS LIST (premium)

| ITEM | QTY. | PART # | DESCRIPTION |
|------|------|--------|-------------------------------|
| 1 | 1 | 2026 | Rocker Switch |
| 2 | 4 | 1009 | Stainless Steel Lock Nut |
| 3 | 6 | 1007 | Stainless Steel Machine Screw |
| 4 | 1 | 2042 | Gasket 5085-5105 |
| | 1 | 2152 | Gasket 7130 |
| | 1 | 2041 | Gasket 5120 |
| 5 | 1 | 2050 | 5-085 Vac Motor |
| | | 2051 | 5-105 Vac Motor |
| | | 2052 | 5-120 Vac Motor |
| | | 2055 | 7-130 Vac Motor |
| 7 | 1 | 2019 | Plastic Screen |
| 8 | 1 | 2014 | Float |
| 9 | 1 | 1011 | Float Bolt |
| 10 | 1 | 2016 | Float Cage |
| 11 | 1 | 1007 | Stainless Steel Machine Screw |
| 12 | 1 | 2027 | Powerhead Recpt. |
| 13 | 1 | 2057 | Gasket 5085-5105 |
| | 1 | 2040 | Gasket 7130 |
| | 1 | 2042 | Gasket 5-120 |
| 14 | 1 | 2025 | Bottom Spinning |
| 15 | 1 | 2023 | Outside Spinning |
| 16 | 1 | 2024 | Motor Spinning - 5085, 5105 |
| | 1 | 2024A | Motor Spinning - 7130 |
| | 1 | 2024B | Motor Spinning - 5120 |
| 17 | 3 | 1006 | Speed Nut |
| 18 | 1 | 2022 | Top Spinning |
| 19 | 2 | 1004 | 1/4" Screw |
| 20 | 2 | 1005 | 1/4" Nut |
| 21 | 1 | 2021 | Top Handle |
| 22 | 1 | 2043 | Top Gasket 5085-5105 |
| | 1 | 2064 | Top Gasket 5120 |
| | 1 | 2041 | Top Gasket 7130 |
| 23 | 2 | 2036 | Groud Clip N/S |
| 24 | 2 | 2037 | 3M Splicer N/S |
| 25 | 1 | 2039 | Gasket |
| 26 | 1 | 2028 | Strain Relief and Nut |
| 27 | 1 | 2029 | 35 Foot Power Cord |
| 29 | 1 | 4081 | Foam Filter |



When changing motor, DO NOT over-tighten screws to the point of closing off the air space. Check with a piece of wire or paper clip to make sure there is an opening.



LIMITED WARRANTY

CRUSADER warrants the original purchaser/user that this product is free from defects in workmanship and materials under normal use and service for a period of one year from date of purchase. In addition, **CRUSADER** will, at its option, honor labor warranty claims for 90 days from date of sale, provided such claims are submitted through and approved by factory authorized repair stations.

CRUSADER will, at its option, repair or replace without charge, except for transportation costs, parts that fall under normal use and service when operated and maintained in accordance with the applicable operation and instruction manuals.

This warranty does not apply to normal wear, or to items whose life is dependent on their use and care, such as the cord, switch, rubber parts, electrical motor components, or the fan. All warranted items become the sole property of **CRUSADER** or its original manufacturer, whichever the case may be.

This limited warranty is in lieu of all other warranties, expressed or implied, and releases **CRUSADER** from all other obligations and liabilities. It is applicable only in the U.S.A. and Canada, and is extended only to the original user/purchaser of this product. **CRUSADER** is not responsible for costs or repairs performed by persons other than those specifically authorized by **CRUSADER**. This warranty does not apply to damage from transportation, alterations by unauthorized persons, misuse or abuse of the equipment, use of non-compatible chemicals, or damage to property, or loss of income due to malfunctions of this product.

The polyethylene shell is warranted for 1 year under normal use and conditions.

CRUSADER
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