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Business Hours: Monday – Friday 8:00 am – 4:00 pm EST

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Website:

www.PowerVacCorporation.com



Visit our website to find a distributor in your area.

POWER VAC CORPORATION DOES NOT SELL TO THE PUBLIC.



Owner's Manual

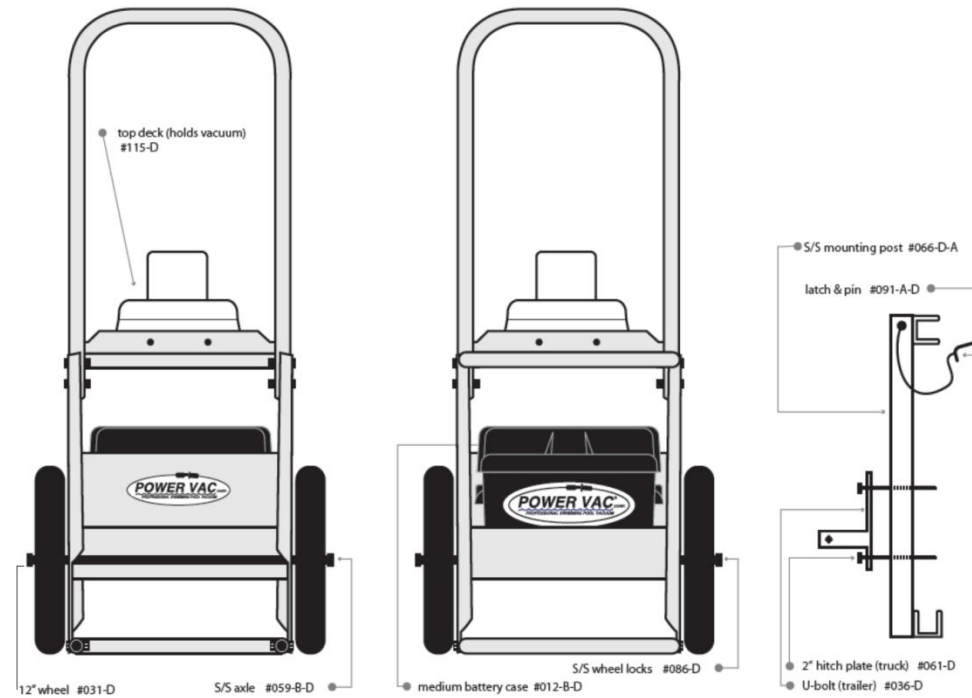


Startup guide & instructions inside →

Start Up Guide

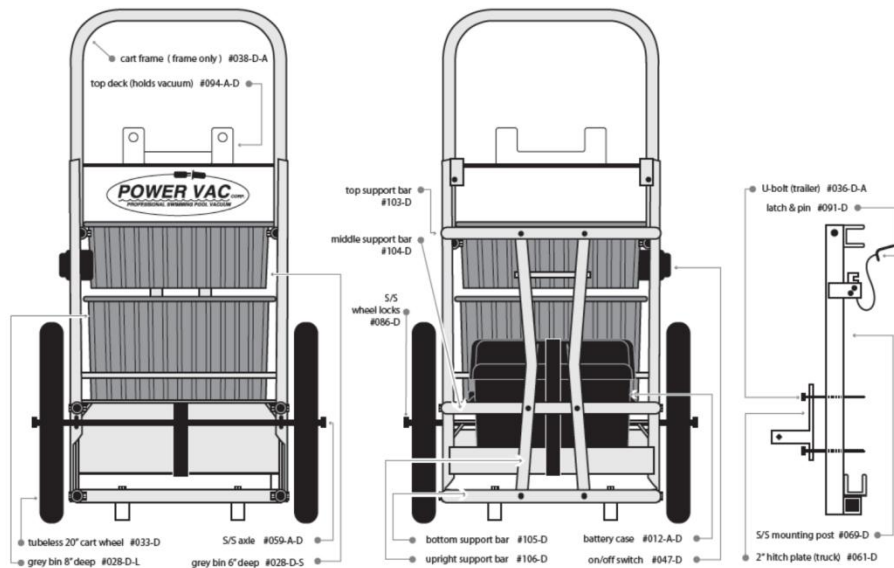
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Parts List for Mini Cart



PART #	DISCRIPTION MINI CART
MINI SERVICE CARTS	
067-D	Mini Cart With Truck/Trailer Mount & 2" Hitch
068-D	Mini Cart (Cart Only)
REPLACEMENT PARTS	
012-B-D	Medium Battery Case With Female Plug
031-D	12" Wheel With 2 Bearings
036-D	Medium U-Bolt For Hitch Plate
049-A-D	Wheel Bearing For 12" Wheel
059-B-D	Stainless Steel Axal
061-D	2" Hitch Plate
066-D	S/S Mounting Post
084-12-D	12" Bungee Strap
086-D	S/S Wheel Lock Nut (Split Collar)
091-A-D	S/S Locking Latch & Pin For Mini Cart
115-D	ABS Plastic Top Deck For Mini Cart

Parts List for Large Cart



Engineering Specifications

All Power Vac vacuums and carts are proudly manufactured in America. We also support American vendors by purchasing items within the United States.



- Both the PV2100 & PV2500 have a 6" throat. These vacuums have a 20" x 11" cleaning path and pump approximately 14,000 gallons per hour. Includes a 40' or 60' floating power cord. They are recommended for residential pools and fountains.
- The PV2200 has an 8" throat. This vacuum has a 20" x 11" cleaning path and pumps approximately 16,000 gallons per hour. It also includes a 40' or 60' floating power cord. This vacuum is recommended for residential and commercial use. It is highly recommended that this vacuum be purchased with a large cart (item# 040-D-40 or 040-D-60).
- The PV3000 has an 8" throat. This vacuum has a 40" x 11" cleaning path and pumps approximately 16,000 gallons per hour. Includes a 75' floating power cord. This vacuum is recommended for water parks and resorts. It is highly recommended to be purchased with the mini cart (item# 003000-D-S).
- All vacuums have a 30 pound thrust motor and a custom cut 2-blade, no clog propeller, designed to pick up heavy debris.
- A custom-designed aluminum handle for your telescopic pole comes standard with every vacuum
- A safety lid comes standard on all vacuums. This important little flap traps debris inside the filter bag once the vacuum shuts off, preventing it from flowing back out. It also protects your hands from the spinning propeller.
- Ergonomic battery case with built-in fuse allows battery to shut off, preventing overheating.
- A charging plug comes standard with all units. This plug attaches to your battery charger for quicker use. See page 4 for installation directions.

PART #	DISRIPTION SERVICE CART
LARGE SERVICE CARTS	
038-D	Large Service Cart With Truck /Trailer Mount & Hitch (Cart Only/Vacuum Not Included)
038-B-D	Large Service Cart Without Truck /Trailer Mount & Hitch (Cart Only/Vacuum Not Included)
REPLACEMENT PARTS	
038-D-A	Replacement Cart Frame Only
012-A-D	Large Battery Case With Female Plug
028-D-S	Grey Bin 6" Deep
028-D-L	Grey Bin 8" Deep
033-D	20" Tubeless Tire With 2 Bearings
036-D	Large U-Bolt For Hitch Plate (For Low Riding Vehicles)
036-D-A	Medium U-Bolt For Hitch Plate
047-D	Marine On/Off Battery Switch W/ Wiring + Female Plug
049-B-D	Wheel Bearing For 20" Tubeless Tire
059-A-D	Stainless Steel Axal
061-D	2" Hitch Plate (Truck Mount)
069-D	S/S Mounting Post W/ Lock & Pinnacle
083-D	Nylon Bumper Feet
084-12-D	12" Bungee Strap
084-18-D	18" Bungee Strap
086-D	S/S Wheel Lock Nut (Split Collar)
091-D	S/S Locking Latch & Pin For Large Cart
094-A-D	Universal Fit Aluminum Top Deck (Holds Vacuum)
103-D	Top Support Bar For Lg Svc Cart
104-D	Middle Support Bar For Lg Svc Cart
105-D	Bottom Support Bar For Lg Svc Cart
106-D	Single Upright Support Bar For Lg Svc Cart

Battery & Charger Info

AVAILABLE AT A SPECIALTY BATTERY STORE NEAR YOU
 ANY BRAND BATTERY WITH THESE SAME SPECIFICATIONS WILL WORK FOR YOUR VACUUM



FOR PORTABLE USE
12V 35AH ABSORBED GLASS MAT (AGM) BATTERY
 WERKER® MANUFACTURER ITEM # WKA12-35C
 WEIGHT: 27 LBS
 RUN TIME APPROX: 3 HOURS (PV2100 & PV2500)
 12V 6 AMP OR 12V 10 AMP CHARGE ONLY



FOR MINI SERVICE CART
DEEP CYCLE 12V 55AH AGM BATTERY W/P TERMINAL
 WERKER® MANUFACTURER ITEM # WKDC12-55P
 WEIGHT: 42 LBS
 RUN TIME APPROX: 4 - 4.5 HOURS (PV2100 & PV2500)
 2 - 2.5 HOURS (PV2200 & PV3000)
 12V 6 AMP OR 12V 10 AMP CHARGE ONLY



FOR LARGE SERVICE CART
DEEP CYCLE 12V 55AH - 100AH AGM BATTERY W/ P TERMINAL
 WERKER® MANUFACTURER ITEM # WKDC12-100P
 WEIGHT: 74 LBS
 RUN TIME APPROX: 7.5 - 8 HOURS (PV2100 & PV2500)
 5 HOURS (PV2200)
 12V 6 AMP OR 12V 10 AMP CHARGE ONLY



PORTABLE BATTERY BOX PART #012-D
 MINI CART BATTERY BOX PART # 12-B-D
 LARGE CART BATTERY BOX PART #12-A-D
 CONTACT YOUR DISTRIBUTOR
 TO ORDER A BATTERY BOX

FOR CHARGING BATTERY
 USE ANY CHARGER WITH AUTOMATIC
 SHUT-OFF
 12V 6 AMP OR 12V 10 AMP CHARGE ONLY

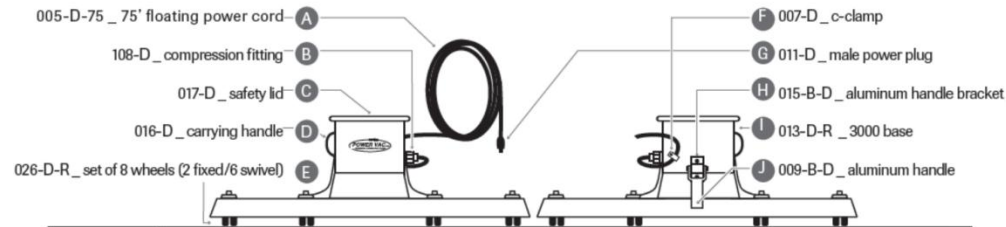


POWER VAC® DOES NOT SELL BATTERIES OR BATTERY CHARGERS
 POWER VAC CORPORATION® IS NOT AFFILIATED OR PARTNERED WITH WERKER® BRAND. WE SUGGEST WERKER® BRAND BATTERIES DUE TO THEIR QUALITY
 AND FACTORY TESTING. ANY BRAND BATTERY WITH THE SAME SPECIFICATIONS WILL WORK FOR YOUR VACUUM.

WARNING!

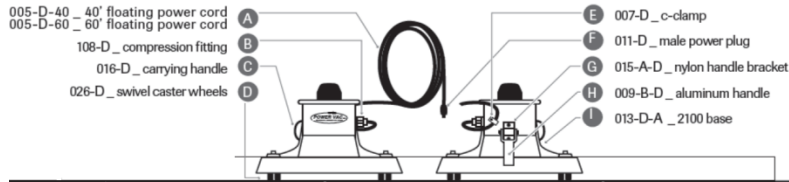
BATTERIES CONTAIN SULFURIC ACID WHICH CAN CAUSE SEVERE BURNS. AVOID CONTACT WITH SKIN, EYES, AND CLOTHING. BATTERY ACID PRODUCES HYDROGEN AND OXYGEN GASES WHEN BEING CHARGED. THE EXPLOSIVE GAS ESCAPES THROUGH THE FILL/VENT CELL CAPS AND MAY FORM AN EXPLOSIVE ATMOSPHERE AROUND THE BATTERY IF VENTILATION IS POOR. THIS GAS MAY REMAIN AROUND THE BATTERY FOR SEVERAL HOURS AFTER IT HAS BEEN CHARGED. SPARKS OF FLAMES CAN IGNITE THE GAS AND CAUSE AN EXPLOSION WHICH MAY SHATTER THE BATTERY AND CAUSE BLINDNESS OR OTHER SERIOUS INJURY. ALWAYS CHARGE BATTERIES IN AN OPEN AIR AREA TO LOWER THE RISK OF A FIRE OR EXPLOSION. NEVER CHARGE BATTERY ON A SETTING HIGHER THAN TEN (10) AMPS. IF BATTERY USE REQUIRES WATER CHECK IT BEFORE CHARGING THE BATTERY.

Parts List for PV3000



PART #	DISCRIPTION PV3000
003000-D-H	PV3000 Vacuum Only 75' Floating Power Cord & 2 Filter Bags
003000-D-S	PV3000 Vacuum 75' Floating Power Cord With Mini Cart & 2 Filter Bags
REPLACEMENT PARTS	
004-D	Cord Float (For Non-Floating Cord-Purchased Before 2010)
005-D-75	75' Blue Thick Gauge Floating Power Cord W/ Brass + Male Plug (customer install voids warranty) A
006-D-3000	Motor 30Lb Thrust For PV3000 (customer install voids warranty)
007-D	"C"-Clamp F
009-B-D	Aluminum Handle J
010-D	Female Plug (On Battery Case)
011-D	Male Plug (On End Of Power Cord) G
013-D-R	PV3000 Replacement Base-Shell W/ Wheels, Handle, Handle Bracket & Safety Lid I
015-B-D	Aluminum Handle Bracket (Horizontal) For Units Purchased Before 2006 H
016-D	Carrying Handle D
017-D	PV2200/3000 Safety Lid C
026-D-R	Set Of 8 Wheels (2 Fixed/6 Swivel) E
027-D	Single Swivel Caster Wheel
027-D-A	Single Fixed Wheel
029-D	Nut & Pin For Prop
030-D-3000	Twin Blade Propeller (Prop) For PV3000
058-D	Brass Nut For Motor (Tightens Motor To Shell)
081-D	Orange Cord Seal Gromet (Inside Compression Fitting)
092-D	Single PV Female Connector For Motor
093-D	Single PV Male Connector For Power Cord
108-D	Brass Compression Bell For Floating Power Cord (Connects Cord To Motor) B
FILTER BAGS	
019-D-2200	26" Super fine mesh filter bag (Debris Pick up: Fine Sand & Leaves)
020-D-2200	26" Micron filter bag (Debris Pick up: Light Debris down to 15 Microns)
022-D-2200	26" Heavy duty mesh filter bag (Debris Pick up: Sand, Leaves, Rocks & Glass)
022-D-2200L	42" Heavy duty mesh filter bag (Debris Pick up: Sand, Leaves, Rocks & Glass)
023-D-2200	26" Screen mesh filter bag (Debris Pick up: Large Leaves & Small Sticks)
023-D-2200L	42" Screen mesh filter bag (Debris Pick up: Large Leaves & Small Sticks)

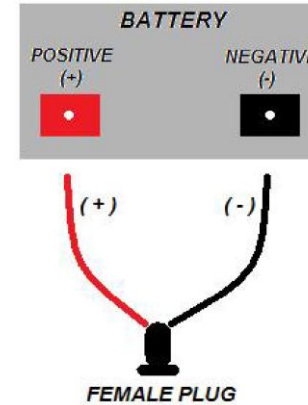
Parts List for PV2500



PORTABLE VERSIONS	
003-D-40	PV2500 Vacuum W/ 40' Floating Power Cord With Battery Case & 2 Filter Bags
003-D-60	PV2500 Vacuum W/ 60' Floating Power Cord With Battery Case & 2 Filter Bags
CARTED VERSIONS	
114-D-40	PV2500 Vacuum 40' Cord & Svc Cart With Truck/Trailer Mount & Hitch
114-D-60	PV2500 Vacuum 60' Cord & Svc Cart With Truck/Trailer Mount & Hitch
114-40-F-D	PV2500 Vacuum 40' Cord & Svc Cart Without Truck/Trailer Mount & Hitch
114-60-F-D	PV2500 Vacuum 60' Cord & Svc Cart Without Truck/Trailer Mount & Hitch
REPLACEMENT PARTS	
004-D	Cord Float (For Non-Floating Cord-Purchased Before 2010)
005-D-40	40' Blue Floating Power Cord W/ Brass + Molded Male Plug (customer install voids warranty) A
005-D-60	60' Blue Floating Power Cord W/ Brass + Molded Male Plug (customer install voids warranty) A
006-D-2500	Motor 30Lb Thrust For PV2100 (customer install voids warranty)
007-D	"C"-Clamp E
009-A-D	Chrome Handle With Delron Clip
009-B-D	Aluminum Handle H
009-C-D	Chrome Swivel Handle
010-D	Female Plug (On Battery Case)
010-B-D	Female Plug W/ Fuse Attachment For Battery Case
011-D	Male Plug (On End Of Power Cord) F
012-D	Portable Battery Carrying Case W/ Built In Fuse
013-D-F	Pv2500 Replacement Base-Shell W/ Wheels, Handle, Handle Bracket & Safety Lid I
013-D-F-S	Pv2500 Replacement Base-Shell Only
015-A-D	Nylon Handle Bracket (Vertical) G
015-B-D	Aluminum Handle Bracket (Horizontal) For Units Purchased Before 2006
016-D	Carrying Handle C
026-D	Set Of 4 Caster Wheels D
027-D	Single Swivel Caster Wheel
027-D-A	Single Fixed Wheel
029-D	Nut & Pin For Prop
030-D-2500	Twin Blade Propeller (Prop) For PV2500
058-D	Brass Nut For Motor (Tightens Motor To Shell)
081-D	Orange Cord Seal Gromet (Inside Compression Fitting)
085-D	Steering Kit (2 Fixed/2 Swivel) Wheels & Chrome Swivel Handle
092-D	Single PV Female Connector For Motor
093-D	Single PV Male Connector For Power Cord
108-D	Brass Compression Bell For Floating Power Cord (Connects Cord To Motor) B
116-D	Portable battery box replacement strap + grip
FILTER BAGS	
019-D-2100	26" Super fine mesh filter bag (Debris Pick up: Fine Sand & Leaves)
019-D-2500	15" Super fine mesh filter bag (Debris Pick up: Fine Sand & Leaves)
020-D-2100	26" Micron filter bag (Debris Pick up: Light Debris down to 15 Microns)
022-D-2100	26" Heavy duty mesh filter bag (Debris Pick up: Sand, Leaves, Rocks & Glass)
022-D-2100L	42" Heavy duty mesh filter bag (Debris Pick up: Sand, Leaves, Rocks & Glass)
022-D-2500	15" Heavy duty mesh filter bag (Debris Pick Up: Sand, Leaves, Rocks & Glass)
023-D-2100	26" Screen mesh filter bag (Debris Pick up: Large Leaves & Small Sticks)
023-D-2100L	42" Screen mesh filter bag (Debris Pick up: Large Leaves & Small Sticks)

Install Your Battery

1. Place your 12 volt battery inside the battery carrying case (this may have come with your vacuum purchase).
2. Take the plug wires-connect the red [+] to the positive [+] post of the battery.
3. Connect the black [-] wire to the negative [-] post of the battery.



Installing the Charge Plug

FIG. 1



FIG. 2

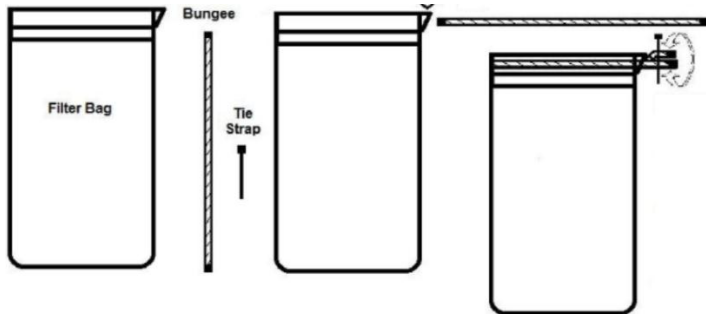


This plug is included in with the purchase of a new vacuum. Here is how to charge your battery hassle-free, without taking the lid off the battery case. Installing the charge plug is optional.

1. Cut the clamp ends off of your charger.
2. Strip back the wires exposing about 1". See fig. 1.
3. Connect the positive wire of the charger to the positive [+] wire of the charge plug. Do the same for the negative [-] black wire. Clamp the wires into the butt connector. See Fig 2.
4. Apply heat to the butt connectors until it shrinks slightly and adheres to the wires

Assemble Your Filter Bags

Instructions



1. Feed bungee cord thru one opening of top seam
2. Push bungee all the way thru, until both rubber ends are exposed
3. Take both ends of bungee and line them up evenly
4. Measure 1 inch below rubber ends and use black zip tie to bring two ends together
5. Pull zip tie as tight as possible. Cut away the excess zip tie.
6. Turn bag inside out (seam goes on inside)

Once assembled, slip filter bag over top opening of vacuum. The bag will collect debris from water as vacuum operates. Empty the filter bag of all debris when it becomes full. These bags generally need to be replaced every 3-4 months (with standard use).

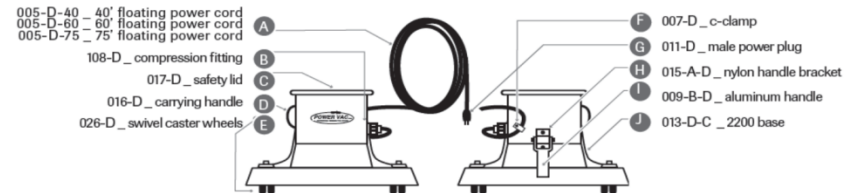


See parts lists for item numbers.

Power Vac bags filter a wide variety of pool debris. Choose which one works for you:

	Fine Sand	Sand	Leaves	Twigs	Glass	Algae	Hair	Diatomaceous Earth
Screen			●	●		●		
Heavy Duty		●	●	●	●			
Super Fine	●	●	●	●			●	
Micron	●						●	●

Parts List for PV2200



PART #	DISCRIPTION PV2200	
VACUUM ONLY – DESIGNED TO WORK WITH LARGE SVC CART		
001-D-40	PV2200 Vacuum 40' floating power cord (vacuum only)	
001-D-60	PV2200 Vacuum 60' floating power cord (vacuum only)	
001-D-75	PV2200 Vacuum 75' floating power cord (vacuum only)	
CARTED VERSIONS		
040-D-40	PV2200 Vacuum 40' cord & svc cart with truck/trailer mount & hitch	
040-D-60	PV2200 Vacuum 60' cord & svc cart with truck/trailer mount & hitch	
040-40-A-D	PV2200 Vacuum 40' cord & svc cart without truck/trailer mount & hitch	
040-60-A-D	PV2200 vacuum 60' cord & svc cart without truck/trailer mount & hitch	
REPLACEMENT PARTS		
004-D	Cord Float (For Non-Floating Cord–Purchased Before 2010)	
005-D-40	40' Blue Floating Power Cord W/ Brass + Molded Male Plug (customer install voids warranty)	A
005-D-60	60' Blue Floating Power Cord W/ Brass + Molded Male Plug (customer install voids warranty)	A
005-D-75	75' Blue Floating Power Cord W/ Brass + Old Style Male Plug (customer install voids warranty)	A
006-D-2200	Motor 30Lb Thrust For PV2200 (customer install voids warranty)	
007-D	"C"-Clamp	F
009-A-D	Chrome Handle With Delron Clip	
009-B-D	Aluminum Handle	
009-C-D	Chrome Swivel Handle	
010-D	Female Plug (On Battery Case)	
011-D	Male Plug (On End Of Power Cord)	G
013-D-C	PV2200 Replacement Base-Shell W/ Wheels, Handle, Handle Bracket & Safety Lid	J
013-D-C-S	PV2200 Replacement Base-Shell Only	
015-A-D	Nylon Handle Bracket (Vertical)	H
015-B-D	Aluminum Handle Bracket (Horizontal) For Units Purchased Before 2006	I
016-D	Carrying Handle	D
017-D	PV2200/3000 Safety Lid	C
026-D	Set Of 4 Caster Wheels	E
027-D	Single Swivel Caster Wheel	
027-D-A	Single Fixed Wheel	
029-D	Nut & Pin For Prop	
030-D-2200	Twin Blade Propeller (Prop) For PV2200	
058-D	Brass Nut For Motor (Tightens Motor To Shell)	
081-D	Orange Cord Seal Gromet (Inside Compression Fitting)	
085-D	Steering Kit (2 Fixed/2 Swivel Wheels & Chrome Swivel Handle)	
092-D	Single PV Female Connector For Motor	
093-D	Single PV Male Connector For Power Cord	
108-D	Brass Compression Bell For Floating Power Cord	B
FILTER BAGS		
019-D-2200	26" Super fine mesh filter bag (Debris Pick up: Fine Sand & Leaves)	
020-D-2200	26" Micron filter bag (Debris Pick up: Light Debris down to 15 Microns)	
022-D-2200	26" Heavy duty mesh filter bag (Debris Pick up: Sand, Leaves, Rocks & Glass)	
022-D-2200L	42" Heavy duty mesh filter bag (Debris Pick up: Sand, Leaves, Rocks & Glass)	
023-D-2200	26" Screen mesh filter bag (Debris Pick up: Large Leaves & Small Sticks)	
023-D-2200L	42" Screen mesh filter bag (Debris Pick up: Large Leaves & Small Sticks)	

Parts List for PV2100



PART #	DISCRIPTION	PV2100
PORTABLE VERSIONS		
002-D-40	PV2100 Vacuum 40' floating power cord with battery case & 2 filter bags	
002-D-60	PV2100 Vacuum 60' floating power cord with battery case & 2 filter bags	
CARTED VERSIONS		
039-D-40	PV2100 Vacuum 40' cord & svc cart with truck/trailer mount & hitch	
039-D-60	PV2100 Vacuum 60' cord & svc cart with truck/trailer mount & hitch	
039-40-A-D	PV2100 Vacuum 40' cord & svc cart without truck/trailer mount & hitch	
039-60-A-D	PV2100 Vacuum 60' cord & svc cart without truck/trailer mount & hitch	
REPLACEMENT PARTS		
004-D	Cord Float (for non-floating cord-purchased before 2010)	
005-D-40	40' Blue floating power cord w/ brass + molded male plug (customer install voids warranty)	A
005-D-60	60' Blue floating power cord w/ brass + molded male plug (customer install voids warranty)	A
006-D-2100	Motor 30# Thrust for PV2100 (customer install voids warranty)	
007-D	C-Clamp	F
009-A-D	Chrome Handle with Delron clip	
009-B-D	Aluminum Handle	
009-C-D	Chrome Swivel Handel	
010-D	Female Plug (on battery case)	
010-B-D	Female Plug w/ fuse attachment for battery case	
011-D	Male Plug (on end of power cord)	G
012-D	Portable battery carrying case with built in fuse	
013-D-A	PV2100 Vacuum Replacement Base w/wheels, handle bracket, handles & safety lid	
013-A-D-S	PV2100 Replacement Base-Shell Only	
015-A-D	Nylon Handle Bracket (vertical)	H
015-B-D	Aluminum Handle Bracket (horizontal) units purchased before 2006	
016-D	Carrying Handle	
018-D	PV2100 Safety Lid	
026-D	Set of Four Swivel Wheels	
027-D	Single Swivel Caster Wheel	
027-D-A	Single Fixed Wheel	
029-D	Nut and Pin (For Prop)	
030-D-2100	Twin blade propeller (prop) for PV2100	
058-D	Large Brass Nut (tightens motor to shell)	
081-D	Orange cord seal grommet (inside compression fitting)	
085-D	Steering Kit (2 Fixed/2 Swivel Wheels & Chrome Swivel Handle)	
092-D	Single PV female connector for motor	
093-D	Single PV male connector for power cord	
108-D	Brass compression bell for floating power cord (attached cord to motor)	B
116-D	Portable battery box replacement strap + grip	
FILTER BAGS		
019-D-2100	26" Super fine mesh filter bag (Debris Pick up: Fine Sand & Leaves)	
020-D-2100	26" Micron filter bag (Debris Pick up: Light Debris down to 15 Microns)	
022-D-2100	26" Heavy duty mesh filter bag (Debris Pick up: Sand, Leaves, Rocks & Glass)	
022-D-2100L	42" Heavy duty mesh filter bag (Debris Pick up: Sand, Leaves, Rocks & Glass)	
023-D-2100	26" Screen mesh filter bag (Debris Pick up: Large Leaves & Small Sticks)	
023-D-2100L	42" Screen mesh filter bag (Debris Pick up: Large Leaves & Small Sticks)	

Equipment Maintenance

Important tips on keeping your vacuum in top shape:

1. CLEAN PROPELLER (PROP) REGULARLY. MAKE SURE YOUR VACUUM IS UNPLUGGED. Unscrew the nut (see fig 1) and clear prop of any debris (see fig 2). If removing the pin inserted between the motor shaft make sure to replace it immediately. When screwing the nut back on to prop do not over tighten. Failure to regularly clean prop may cause motor to lock up. In some cases the debris will make its way down into the motor armature. Do not put fingers near prop while motor is running! Serious injury may occur.



Figure 1



Figure 2

2. WRAP POWER CORD PROPERLY AFTER EVERY USE (see Fig 3). Keep power cord in good condition and free of kinks, to ensure optimal performance. Allowing your power cord to knot and kink may result in one or more areas on cord where power shortages occur.



Figure 3

3. **DO NOT RUN THE VACUUM OUT OF WATER FOR MORE THAN 20 SECONDS.** Our motors are designed to operate under water. Running the motor while out of water may cause motor to overheat.

4. **DO NOT PICK THE VACUUM UP BY THE CORD.** Use the white carrying handle on the side. Pulling on the power cord or picking vacuum up by power cord can jeopardize the water tight seals installed on cord and motor. When a leak occurs, motor can cease from water damage.

5. **KEEP CHARGING POST FREE OF CORROSION.** Properly caring for your battery will extend its life. Make sure to charge it daily.

6. **IF YOU NOTICE A SIGNIFICANT DIFFERENCE IN PERFORMANCE OR APPEARANCE, IT IS HIGHLY RECOMMENDED TO REPLACE YOUR PARTS.** It is important to keep your male and female plugs in top operating condition.

Purchasing Replacement Parts

For your convenience all parts on your Power Vac equipment are replaceable. This will allow you to keep your vacuum in top working condition. It is recommended to replace all parts as needed for general maintenance to ensure your equipment's performance and longevity. For a full list of parts see pages 13-18

POWER VAC CORPORATION DOES NOT SELL TO THE PUBLIC.

PLEASE VISIT OUR WEB SITE FOR A LIST OF DISTRIBUTORS TO PURCHASE FROM.



Caring For Your Service Cart

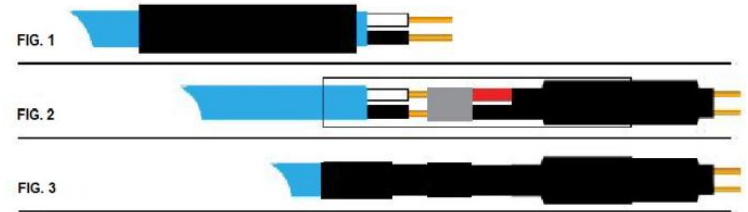
1. Grease wheel bearings at least once a month using an industrial lubricant.
2. Rinse down cart at the end of every day. This will help prevent chemical erosion.
3. Store in a dry place out of the sun at the end of the day.
4. Check battery once a month for any acid leaks.
5. Look over male and female plug frequently for any sign of damage. Replace if needed.



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Male & Female Plug Installation

PLUG REPLACEMENT INSTRUCTIONS (MALE PLUG)

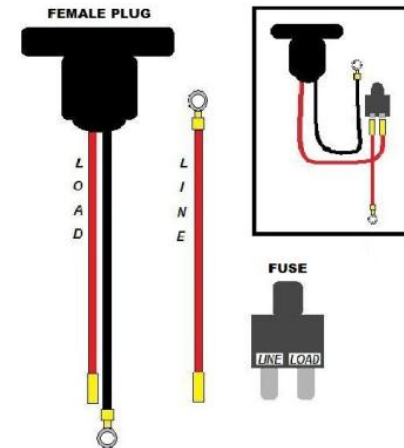


STEP 1. CUT AWAY OLD PLUG AND STRIP BACK POWER CORD, EXPOSING THE WIRES ABOUT ONE INCH (FIG.1)

STEP 2. CONNECT THE WIRES OF YOUR NEW PLUG TO THE WIRES OF YOUR POWER CORD. CLAMP DOWN ON WIRE CONNECTORS (FIG.2)

STEP 3. SLIP PIECE OF BLACK HEAT SHRINK TUBE OVER EXPOSED WIRE CONNECTIONS, POSITIONING ABOUT TWO INCHES DOWN FROM THE TIP OF THE PLUG. APPLY HEAT TO SHRINK TUBE UNTIL IT LOOKS LIKE FIG. 3, OR UNTIL ADHESIVE SEEPS SLIGHTLY OUT OF THE SIDES OF THE TUBE.

PORTABLE BATTERY CARRYING CASE OUTLET REPLACEMENT INSTRUCTIONS (FEMALE PLUG)



**STEP 1. PLUG BOTH RED WIRES INTO FUSE.
LOAD TO LOAD / LINE TO LINE**

**STEP 2. CONNECT BOTH RING TERMINALS TO BATTERY
RED[+] TO RED[+] / BLACK[-] TO BLACK[-]**

Page 8

Troubleshooting

1. My vacuum turns on but my propeller will not spin.

- MAKE SURE VACUUM IS UNPLUGGED. Unscrew the prop nut on the propeller, remove prop and clear any debris that may be wrapped around the motor shaft. This may be causing the motor to lock up.

2. The power goes on and off when I wiggle the plug in the battery outlet.

- Inspect the plug on your power cord. Is it in good condition? Good condition = no corrosion or burnt spots. With repeated use this plug can get worn out and cause power shortages to your vacuum. If your power cord plug is damaged in any way, it is recommended that you replace it.

3. My vacuum will not run.

- Make sure battery is charged and cord is plugged in all the way.
- Has the fuse/breaker in your battery box popped? If so then press it in to reset.

Follow the directions in step 1 & 2.

- Inspect battery connectors for corrosion.
- If you have been picking up the vacuum by its cord, and not the provided carrying handle, the water tight seals inside the cord and motor are most likely taking on water. When this happens corrosion begins and the motor or cord can fail. At this point you will need to replace the damaged parts.

Tech Support Help Line:

877-771-6970

PRESS "2"

Open Monday – Friday

8:00 am – 4:00 pm EST

E-mail: TechSupport@PowerVacCorporation.com

We Provide Repair Services

Power Vac provides an excellent repair service. We offer a turnaround time of 48 hours or less. No RMA's required. Just visit our website to fill out our **Repair Return Form**. Make sure to print it out and place the form inside with your vacuum and mail it to our factory (address is on form). Power Vac is not responsible for shipping charges requiring the product to get to our factory. When the package is received a technician will contact you to discuss the needed repairs.

Keep in mind that Power Vac cannot warranty do-it-yourself installations. To receive a warranty on a motor or cord it will have to be installed by a certified Power Vac technician.

If your vacuum is still under warranty you will not be charged for repairs done to your motor, cord or shell. Power Vac will also pay to have the vacuum shipped back to you.

Warranty Info

All Power Vac vacuums come with a (1) year warranty on the shell, cord & motor (as seen below). WARRANTIES ARE ONLY VALID WITH A PROOF OF PURCHASE (i.e.: invoice or sales order). This warranty does not cover product damage due to abuse, excessive wear or damage due to the owner not providing the necessary care (i.e.: a tangled mess of a power cord which is shorting out due to improper wrapping).

All return merchandise for credit (no older than 30 days from proof of purchase) will be subject to inspection and be charged an 18% restocking fee. Power Vac will not be responsible for return shipping charges.



A warranty card is included with the purchase of a new vacuum. Please fill it out and return in a timely manner.