

# Contact Us

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**Family Owned**  
**...And Operated!!**

**Factory Hours:**  
**Monday – Friday**  
**8:00 am – 4:00 pm EST**

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**Visit our website to find a distributor in your area.**

**POWER VAC CORPORATION DOES NOT SELL TO THE PUBLIC.**



## Owner's Manual



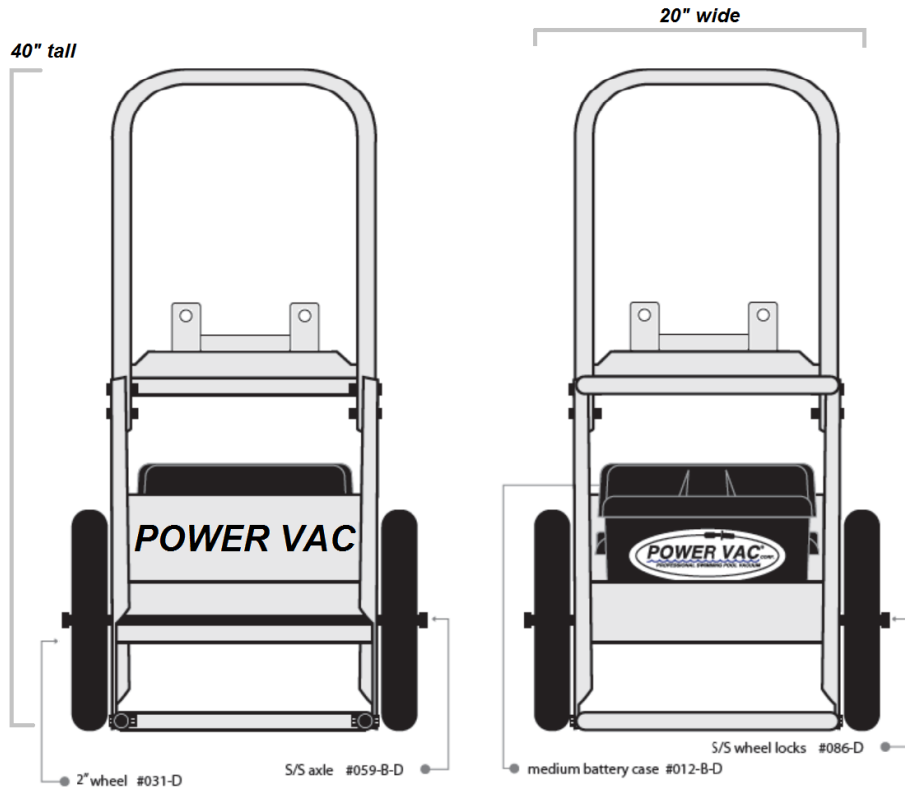


# Parts List for Mini Cart

# Product Specifications



This cart carries the PV2100 or PV2500 vacuum and battery.  
**The Mini Cart is sold separately as an on-site cart.**



ITEM #	DESCRIPTION
068-D	MINI CART (ON-SITE VERSION) FITS PV2100, PV2200 & PV2500 MODELS
<b>REPLACEMENT PARTS</b>	
012-B-D	MEDIUM BATTERY CASE WITH FEMALE PLUG
031-D	12" WHEEL WITH 2 BEARRINGS
049-A-D	WHEEL BEARING FOR 12" WHEEL
059-B-D	STAINLESS STEEL AXAL FOR MINI CART
084-12-D	12" BUNGEE STRAP
086-D	S/S WHEEL LOCK NUT (SPLIT COLLAR)

All Power Vac vacuums and carts are proudly manufactured by hand 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. This vacuum can be portable or used on a cart.
- The PV2200 has an 8" throat. This vacuum has a 20" x 11" cleaning path and pumps approximately 16,000 gallons per hour. It 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) as it requires a 45 -75 pound battery.
- 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) as it requires a 45 pound battery.
- All vacuums have an anti-rust 30 pound thrust motor. As well as 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.
- With an exception of the PV2500, all of our vacuums come with a safety lid. 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 easy charging. See page 4 for installation directions.
- Power Vac filter bags come in a wide variety of sizes & mesh materialable to filter anything from rocks and glass to hair and diatomaceous earth.

# Purchase Battery

Available at a specialty battery store near you or online.

## FOR PORTABLE USE ONLY

### BATTERY SPECS: 12V 35AH ABSORBED GLASS MAT (AGM) BATTERY

FITS INSIDE BATTERY CASE ITEM# 012-D SOLD WITH ALL PORTABLE VACUUM PACKAGES (SEE PAGES 16 & 18)

Weight: ~ 27 lbs

Run time approx.: 3 hours for the portable PV2100 & PV2500

## FOR MINI CART ONLY

### BATTERY SPECS: DEEP CYCLE 12V 55AH AGM BATTERY W/P TERMINALS

FITS INSIDE BATTERY CASE ITEM# 012-B-D SOLD WITH MINI CART:

ITEM#068-D & 003000-D-S (SEE PAGES 19 & 21)

Weight: ~ 42 lbs

Run time approx.: 4 – 4.5 hours for the PV2100 & PV2500 ON CART

Run time approx.: 2 – 2.5 hours for the PV2200 & PV3000 ON CART

## FOR LARGE CART ONLY

### BATTERY SPECS: DEEP CYCLE 12V 55AH – 100AH AGM BATTERY W/P TERMINALS

FITS INSIDE BATTERY CASE ITEM# 012-A-D SOLD WITH ALL LARGE CARTS (SEE PAGES: 16, 17 & 20)

Weight: ~ 74 lbs

Run time approx.: 7.5 – 8 hours for the PV2100 ON CART

Run time approx.: 5 hours for the PV2200 ON CART

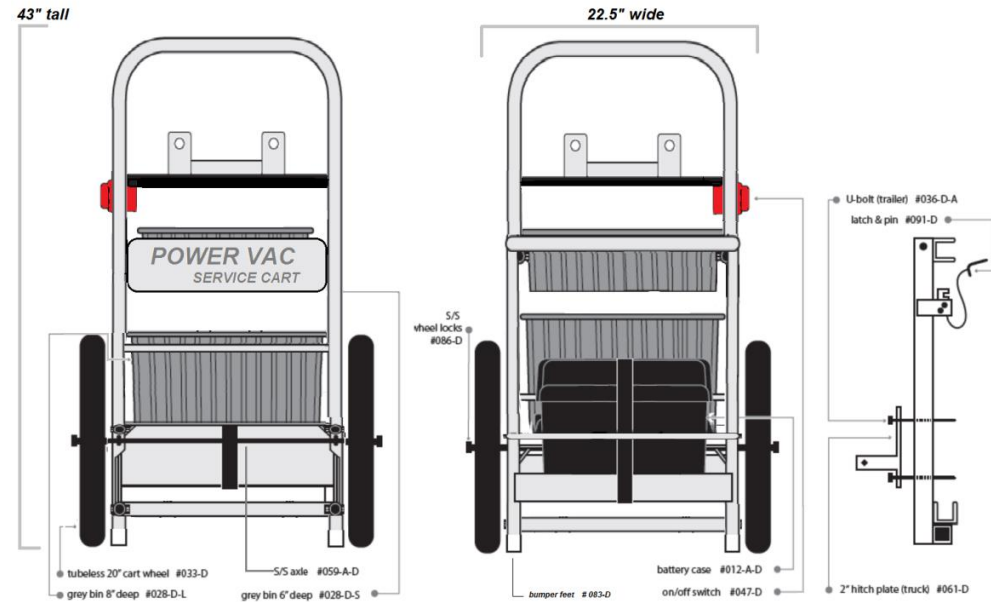
## DO NOT PLUG UNIT INTO WALL OUTLET! 12V USAGE ONLY!

### WARNING!

BATTERIES CONTAIN SULFURIC ACID WHICH CAN CAUSE SEVERE BURNS. AVOID CONTACT WITH SKIN, EYES, AND CLOTHING. BATTERY ACID PRODUCES HYDROGEN AND OXYGEN GASES WHILE CHARGING. 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 Large Cart

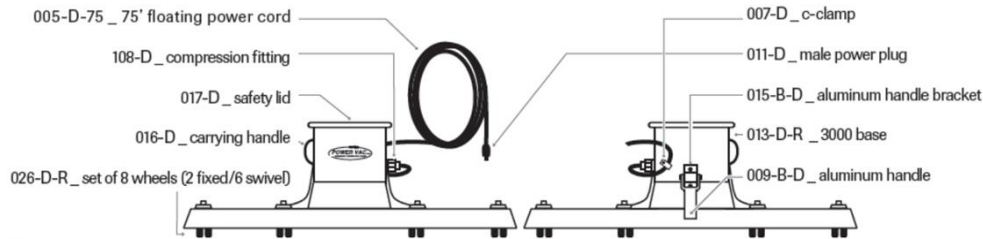
Carries everything needed to service a pool.  
Available in a truck mounted version or an on-site version.



ITEM #	DESCRIPTION
<b>MOUNTABLE LARGE SERVICE CART</b>	
038-D	LARGE SERVICE CART WITH MOUNTING SYSTEM (VACUUM NOT INCLUDED) FITS PV2100, PV2200 & PV2500 MODELS
<b>ON-SITE LARGE SERVICE CART</b>	
038-B-D	LARGE SERVICE CART (VACUUM, MOUNT & HITCH NOT INCLUDED) FITS PV2100, PV2200 & PV2500 MODELS
<b>REPLACEMENT PARTS</b>	
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 BEARRINGS
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 FOR LG SVC CART 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
086-D	S/S WHEEL LOCK NUT (SPLIT COLLAR)
091-D	S/S LOCKING LATCH & PIN

# Parts List for PV3000

## Resorts & Water Parks



PART #	DESCRIPTION
<b>ON SITE CARTED VERSION</b>	
003000-D-S	PV3000 WITH 75' CORD CARTED VACUUM PACKAGE
<b>REPLACEMENT PARTS</b>	
005-D-75	75' BLUE FLOATING POWER CORD W/ BRASS + MOLDED MALE PLUG (SELF INSTALLATION VOIDS WARRANTY)
006-D-3000	PV2200 REPLACEMENT MOTOR (SELF INSTALLATION VOIDS WARRANTY)
007-D	"C"-CLAMP
009-A-D	CHROME HANDLE WITH DELRON CLIP
009-B-D	ALUMINUM HANDLE
009-C-D	CHROME SWIVEL HANDLE
010-D	FEMALE PLUG
010-B-D	FEMALE PLUG W/ FUSE ATTACHMENT FOR BATTERY CASE
011-D	MALE PLUG (ON END OF POWER CORD)
013-D-R	PV3000 REPLACEMENT BASE-LESS MOTOR & CORD
015-B-D	ALUMINUM HANDLE BRACKET (HORIZONTAL)
016-D	CARRYING HANDLE
017-D	PV2200 & PV3000 SAFETY LID
026-D-R	SET OF 8 CASTER WHEELS (2 FIXED / 6 SWIVEL)
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
081-D	ORANGE CORD SEAL GROMMET
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</b>	
019-D-2200	26" SUPER FINE MESH FILTER BAG
020-D-2200	26" MICRON FILTER BAG
022-D-2200	26" HEAVY DUTY MESH FILTER BAG
022-D-2200L	42" HEAVY DUTY MESH FILTER BAG
023-D-2200	26" SCREEN MESH FILTER BAG
023-D-2200L	42" SCREEN MESH FILTER BAG

# Purchase Battery Charger

**PURCHASE ANY CHARGER WITH AUTOMATIC SHUT OFF**

**USE A 12V 6 AMP OR 12V 10 AMP CHARGE ONLY**

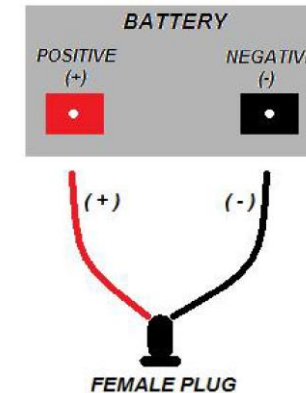
How to calculate charging time:

**BATTERY AMPERAGE ÷ CHARGING AMPERAGE = CHARGE TIME**

Example: 35 ÷ 6 = 6 hours

## Install Battery

1. Place your 12 volt battery inside the battery carrying case.
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.



**CAUTION!**

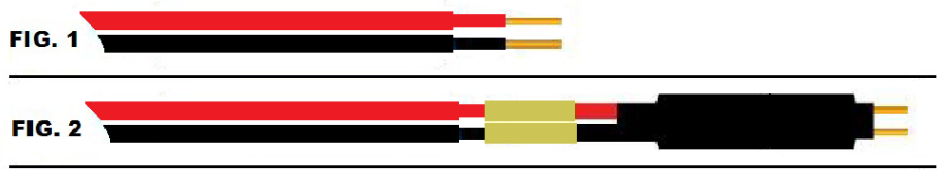
**DO NOT PLUG INTO WALL OUTLET!**

**12V USE ONLY!**

**DO NOT MODIFY POWER CORD, MALE OR FEMALE PLUG!**

# Install the Charge Plug

(OPTIONAL)



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

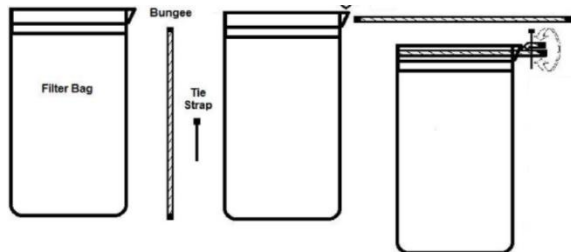
1. Cut the clamp ends off of your charger.
2. Strip back the wires exposing about 1". See fig. 1.
3. Connect the positive [+] wire of the charger to the positive [+] wire of the charge plug. Do the same for the negative [-] black wire. Clamp the wires into the butt connector. See Fig 2.
4. Apply heat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

# Assemble Filter Bag

## Instructions

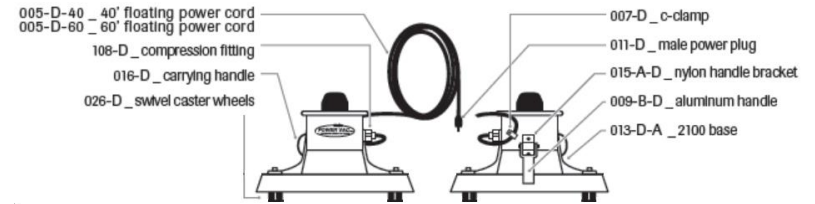
1. Feed bungee cord thru one opening of top seam.
2. Push bungee all the way thru, until both rubber ends are exposed.
3. Take both ends of bungee and line them up evenly.
4. Measure 1 inch below rubber ends and use black zip tie to bring two ends together.
5. Pull zip tie as tight as possible then cut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

Once assembled, slip filter bag over the top opening of the vacuum. The bag will collect debris from water as vacuum operates. Empty the filter bag of all debris when it becomes full. With standard everyday use and proper care, each bag will typically last 2-4 months.



# Parts List for PV2500

## Fountains & Residential Pools

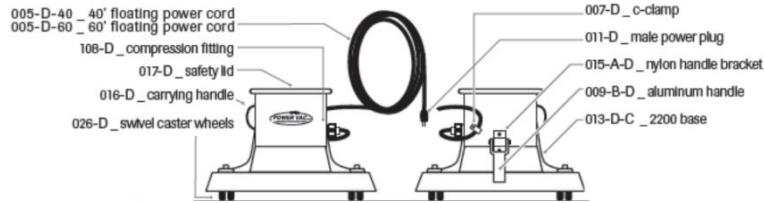


PART #	DESCRIPTION
<b>PORTABLEVERSIONS</b>	
003-D-40	PV2500 WITH 40' CORD PORTABLE VACUUM PACKAGE
003-D-60	PV2500 WITH 60' CORD PORTABLE VACUUM PACKAGE
<b>REPLACEMENT PARTS</b>	
004-D	CORD FLOAT (FOR NON-FLOATING CORD-PURCHASED BEFORE 2010)
005-D-40	40' BLUE FLOATING POWER CORD W/ BRASS + MOLDED MALE PLUG (SELF INSTALLATION VOIDS WARRANTY)
005-D-60	60' BLUE FLOATING POWER CORD W/ BRASS + MOLDED MALE PLUG (SELF INSTALLATION VOIDS WARRANTY)
006-D-2500	PV2500 MOTOR ( SELF INSTALLATION VOIDS WARRANTY)
007-D	"C"-CLAMP
009-A-D	CHROME HANDLE WITH DELRON CLIP
009-B-D	ALUMINUM HANDLE
009-C-D	CHROME SWIVEL HANDLE
010-D	FEMALE PLUG
010-B-D	FEMALE PLUG W/ FUSE ATTACHMENT FOR BATTERY CASE
011-D	MALE PLUG (ON END OF POWER CORD)
012-D	PORTABLE BATTERY CARRYING CASE W/ BUILT IN FUSE
013-D-F	PV2500 REPLACEMENT BASE-LESS MOTOR & CORD
013-D-F-S	PV2500 REPLACEMENT BASE-BARE SHELL ONLY
015-A-D	NYLON HANDLE BRACKET (VERTICAL)
015-B-D	ALUMINUM HANDLE BRACKET (HORIZONTAL) FOR UNITS PURCHASED BEFORE 2006
016-D	CARRYING HANDLE
026-D	SET OF 4 CASTER WHEELS
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
081-D	ORANGE CORD SEAL GROMMET
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</b>	
019-D-2100	26" SUPER FINE MESH FILTER BAG
019-D-2500	15" SUPER FINE MESH FILTER BAG
020-D-2100	26" MICRON FILTER BAG
022-D-2100	26" HEAVY DUTY MESH FILTER BAG
022-D-2100L	42" HEAVY DUTY MESH FILTER BAG
022-D-2500	15" HEAVY DUTY MESH FILTER BAG
023-D-2100	26" SCREEN MESH FILTER BAG
023-D-2100L	42" SCREEN MESH FILTER BAG



# Parts List for PV2200

## Commercial Pools



PART #	DESCRIPTION
<b>MOUNTABLE CARTED VERSIONS</b>	
040-D-40	PV2200 WITH 40' CORD CARTED VACUUM PACKAGE WITH MOUNTING SYSTEM
040-60-D	PV2200 WITH 60' CORD CARTED VACUUM PACKAGE WITH MOUNTING SYSTEM
<b>ON SITE CARTED VERSIONS</b>	
040-40-A-D	PV2200 WITH 40' CORD CARTED VACUUM PACKAGE
040-60-A-D	PV2200 WITH 60' CORD CARTED VACUUM PACKAGE
<b>REPLACEMENT PARTS</b>	
001-D-40	REPLACEMENT PV2200 VACUUM 40' FLOATING POWER CORD
001-D-60	REPLACEMENT PV2200 VACUUM 60' FLOATING POWER CORD
004-D	CORD FLOAT (FOR NON-FLOATING CORD-PURCHASED BEFORE 2010)
005-D-40	40' BLUE FLOATING POWER CORD W/ BRASS + MOLDED MALE PLUG <b>(SELF INSTALLATION VOIDS WARRANTY)</b>
005-D-60	60' BLUE FLOATING POWER CORD W/ BRASS + MOLDED MALE PLUG <b>(SELF INSTALLATION VOIDS WARRANTY)</b>
006-D-2200	PV2200 REPLACEMENT MOTOR <b>(SELF INSTALLATION VOIDS WARRANTY)</b>
007-D	"C"-CLAMP
009-A-D	CHROME HANDLE WITH DELRON CLIP
009-B-D	ALUMINUM HANDLE
009-C-D	CHROME SWIVEL HANDLE
010-D	FEMALE PLUG
010-B-D	FEMALE PLUG W/ FUSE ATTACHMENT FOR BATTERY CASE
011-D	MALE PLUG (ON END OF POWER CORD)
013-D-C	PV2200 REPLACEMENT BASE-LESS MOTOR & CORD
013-D-C-S	PV2200 REPLACEMENT BASE-BARE SHELL ONLY
015-A-D	NYLON HANDLE BRACKET (VERTICAL)
015-B-D	ALUMINUM HANDLE BRACKET (HORIZONTAL) FOR UNITS PURCHASED BEFORE 2006
016-D	CARRYING HANDLE
017-D	PV2200 & PV3000 SAFETY LID
026-D	SET OF 4 CASTER WHEELS
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
081-D	ORANGE CORD SEAL GROMMET
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</b>	
019-D-2200	26" SUPER FINE MESH FILTER BAG
020-D-2200	26" MICRON FILTER BAG
022-D-2200	26" HEAVY DUTY MESH FILTER BAG
022-D-2200L	42" HEAVY DUTY MESH FILTER BAG
023-D-2200	26" SCREEN MESH FILTER BAG
023-D-2200L	42" SCREEN MESH FILTER BAG

# Power Vac Filter Bags



All filter bags are available in various sizes. See Pages 16-19 for item numbers.

## Recommended debris pick up for filter bags.

→Debris→	Leaves	Twigs	Glass	Rocks	Algae	Sand	Fine Sand	Hair	Diatomaceous Earth
↓Filter Bag↓									
Screen	•	•		•	•				
Heavy Duty	•	•	•	•		•			
Super Fine*	•	•				•	•	•	
Micron*						•	•	•	•

\*Avoid picking up sharp objects as it can damage the mesh fabric.

With standard everyday use and proper care, each bag will typically last 2-4 months.

## Tips on caring for your filter bag:

1. Empty filter bag after every use.
2. At end of day wash the filter bag to keep chemicals off of fabric.
3. Follow the above blue and white chart avoiding debris that can damage the filter bag.

# Equipment Maintenance

Important tips on keeping your vacuum in top shape:

## 1. CLEAN PROPELLER (PROP) REGULARLY. **UNPLUG THE VACUUM!**

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.



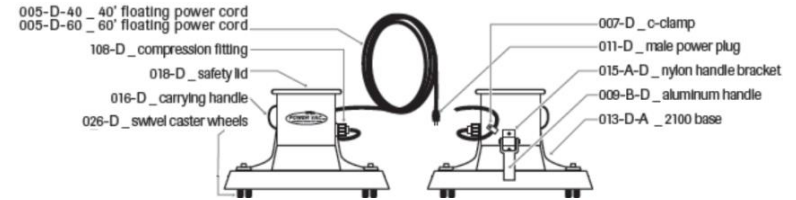
Figure 3

## 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.

# Parts List for PV2100

## Residential & Commercial Pools



PART #	DESCRIPTION
<b>PORTABLE VERSIONS</b>	
002-D-40	PV2100 WITH 40' CORD PORTABLE VACUUM PACKAGE
002-D-60	PV2100 WITH 60' CORD PORTABLE VACUUM PACKAGE
<b>MOUNTABLE CARTED VERSIONS</b>	
039-D-40	PV2100 WITH 40' CORD CARTED VACUUM PACKAGE WITH MOUNTING SYSTEM
039-D-60	PV2100 WITH 60' CORD CARTED VACUUM PACKAGE WITH MOUNTING SYSTEM
<b>ON SITE CARTED VERSIONS</b>	
039-40-A-D	PV2100 WITH 40' CORD CARTED VACUUM PACKAGE
039-60-A-D	PV2100 WITH 60' CORD CARTED VACUUM PACKAGE
<b>REPLACEMENT PARTS</b>	
004-D	CORD FLOAT (FOR NON-FLOATING CORD-PURCHASED BEFORE 2010)
005-D-40	40' BLUE FLOATING POWER CORD W/ BRASS + MOLDED MALE PLUG (SELF INSTALLATION VOIDS WARRANTY)
005-D-60	60' BLUE FLOATING POWER CORD W/ BRASS + MOLDED MALE PLUG (SELF INSTALLATION VOIDS WARRANTY)
006-D-2100	PV2100 MOTOR (SELF INSTALLATION VOIDS WARRANTY)
007-D	"C"-CLAMP
009-A-D	CHROME HANDLE WITH DELRON CLIP
009-B-D	ALUMINUM HANDLE
009-C-D	CHROME SWIVEL HANDLE
010-D	FEMALE PLUG
010-B-D	FEMALE PLUG W/ FUSE ATTACHMENT FOR BATTERY CASE
011-D	MALE PLUG (ON END OF POWER CORD)
012-D	PORTABLE BATTERY CARRYING CASE W/ BUILT IN FUSE
013-D-A	PV2100 REPLACEMENT BASE-LESS MOTOR & CORD
013-D-A-S	PV2100 REPLACEMENT BASE-BARE SHELL ONLY
015-A-D	NYLON HANDLE BRACKET (VERTICAL)
015-B-D	ALUMINUM HANDLE BRACKET (HORIZONTAL) FOR UNITS PURCHASED BEFORE 2006
016-D	CARRYING HANDLE
018-D	PV2100 SAFETY LID
026-D	SET OF 4 CASTER WHEELS
027-D	SINGLE SWIVEL CASTER WHEEL
027-D-A	SINGLE FIXED WHEEL
029-D	NUT & PIN FOR PROP
030-D-2100	TWIN BLADE PROPELLER (PROP) FOR PV2100
058-D	BRASS NUT FOR MOTOR
081-D	ORANGE CORD SEAL GROMMET
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</b>	
019-D-2100	26" SUPER FINE MESH FILTER BAG
020-D-2100	26" MICRON FILTER BAG
022-D-2100	26" HEAVY DUTY MESH FILTER BAG
022-D-2100L	42" HEAVY DUTY MESH FILTER BAG
023-D-2100	26" SCREEN MESH FILTER BAG
023-D-2100L	42" SCREEN MESH FILTER BAG



# Purchasing Replacement Parts

For your convenience all parts on your Power Vac equipment are replaceable. This will allow you to keep your vacuum in working condition for years to come without having to replace the entire unit. 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 16-21.

**POWER VAC CORPORATION DOES NOT SELL TO THE PUBLIC.**

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



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, the motor can cease from water damage.

5. **KEEP CHARGING POSTS ON BATTERY FREE OF CORROSION.** Properly caring for your battery will extend its life. Make sure to charge it daily. USE A 12V 6 AMP OR 12V 10 AMP CHARGE ONLY.

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. Also make sure all 4 caster wheels are in good shape.

**Replace Safety Lid As Needed.  
Failure to do so may result in injury!**



**It is a safety device!**



**NEVER PUT FINGERS NEAR PROP WHILE VACUUM IS ON!**

It is important to replace your safety lid at the top of the vacuum unit because it has two very important jobs:

1. It acts as a check valve, preventing debris from falling thru the bag and onto the pool floor if the vacuum shuts off underwater.
2. It protects your fingers from injury by the spinning propeller.

This part is ITEM# 017-D or 018-D (see pages 16, 17 & 19). We recommend always having a few extras on hand.

## 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 chemicalerosion.
3. For 2012 model & older: Look over all bolts to make sure they are screwed in tightly.
4. Store in a dry place out of the sun at the end of the day.
5. Check battery once a month for any acid leaks.
6. Look over male and female plug frequently for any sign of damage. Replace as needed.



PV2100 Carted Vacuum Package  
Item# 039-D-40 (See pg 16)

## We Provide Repair Services

Power Vac provides an excellent repair service. Once your package is received we provide a turnaround time of 72 hours or less. No RMA's required. Just visit our website to fill out the **Repair Return Form**. Make sure to print it out and place the form inside with your vacuum then mail it to our factory (address is on form).

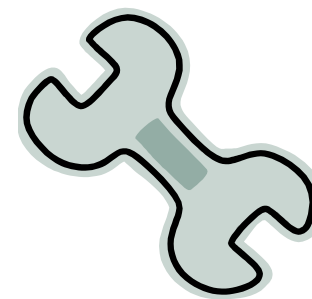
**Power Vac is not responsible for any shipping charges which require the product to get to our factory.**

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.

**ALL VACUUMS WILL LEAVE OUR FACTORY WITH A MALE PLUG INSTALLED. NO EXCEPTIONS!**

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 receipt). 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).

A return process must be done through the company you originally purchased the product from. All returned 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.

WARRANTY REGISTRATION CARD MUST BE COMPLETED AND MAILED WITHIN TEN (10) DAYS TO VALIDATE YOUR WARRANTY.

DATE OF PURCHASE: MONTH \_\_\_ DAY \_\_\_ YEAR \_\_\_

SUPPLIER'S NAME: (PLACE OF PURCHASE) \_\_\_\_\_

SUPPLIER'S ADDRESS: \_\_\_\_\_

CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_

VACUUM N° 8940

SAMPLE

YOUR NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_

TEAR HERE

VACUUM N° 8940

PLEASE RETAIN THIS STUB FOR VACUUM AND WARRANTY NUMBER.

POWER VAC CORPORATION  
4811 N.E. 12TH AVENUE  
OAKLAND PARK, FL 33334

# Troubleshooting

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

-UNPLUG YOUR VACUUM! 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

Open Monday – Friday

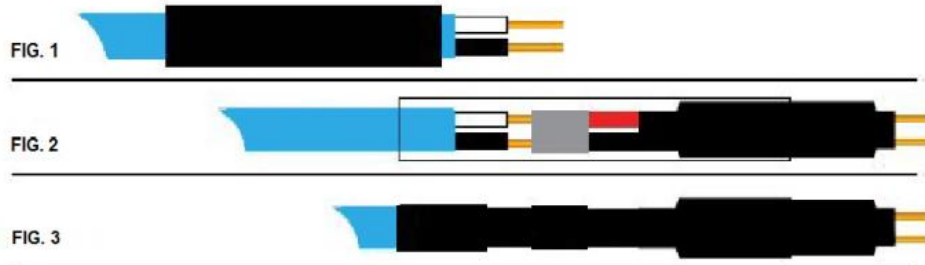
8:00 am – 4:00 pm EST

E-mail: [info@powervac.com](mailto:info@powervac.com)

# How to Replace Male Plug

Item# 011-D

## 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.**

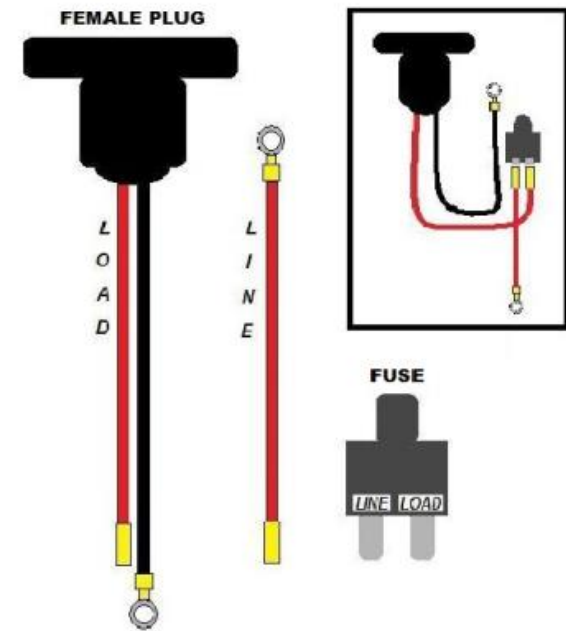
## CAUTION!

- ! DO NOT PLUG INTO WALL OUTLET!
- ! USE 12 VOLTS ONLY!
- ! NEVER MODIFY THE POWER CORD, MALE OR FEMALE PLUG FROM THE ORIGINAL MANUFACTURER'S SPECIFICATIONS. ANY MODIFICATIONS WILL VOID YOUR WARRANTY AND MAY BECOME HAZARDOUS!

# How to Replace Female Plug

Item# 010-D-B

## 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[-]**

Only for portable battery case

Item# 012-D