



# Central Vacuum Systems



## Owners Manual

Sonny's Enterprises, Inc.  
5605 Hiatus Road  
Tamarac, Florida 33321

# Table of Contents

<b>*INTRODUCTION*</b> .....	<b>3</b>
Product Specifications.....	4
Optional Related Equipment .....	5
<b>*SAFETY REQUIREMENTS*</b> .....	<b>7</b>
<b>*INSTALLATION*</b> .....	<b>8</b>
Utilities Requirements .....	8
Equipment Installation .....	11
Adjustments and Testing.....	12
<b>*GENERAL OPERATION*</b> .....	<b>13</b>
<b>*PREVENTIVE MAINTENANCE*</b> .....	<b>14</b>
<b>*VACUUM COMPONENTS*</b> .....	<b>17</b>
<b>*PARTS LIST*</b> .....	<b>21</b>
<b>*CUSTOMER SERVICE*</b> .....	<b>25</b>

## **\*INTRODUCTION\***

This Owner's Manual contains information that is vital to the successful installation, operation and maintenance of your SONNY'S vehicle washing equipment.

Please read, and understand, the full contents of this manual before installation and operation of the equipment. Keep this booklet in a location where it may be used for ongoing reference.

Should you have any questions on the operation or servicing of this equipment please contact

TECHNICAL SERVICES DEPT.  
SONNY'S ENTERPRISES INC.  
5605 Hiatus Road  
TAMARAC, FLORIDA 33321

TELEPHONE: 800-327-8723      FAX: 800-495-4049

THANK YOU FOR YOUR CONFIDENCE IN SONNY'S !!!!!



## Product Specifications

- 10HP assembly capable of handling up to 4 vacuum hose drops.
- 15HP assembly capable of handling up to 6 vacuum hose drops.
- 20HP assembly capable of handling up to 8 vacuum hose drops.
- 25HP assembly capable of handling up to 10 vacuum hose drops.
- Producer shaft bearings easily accessible for routine maintenance.
- Snap-in filter bags have positive connections to the separator tank.
- Filter bags will not mildew or rot.
- Oversized dirt bucket is easy to remove, empty, and replace.
- Electric motor and vacuum producer are direct coupled for efficient operation.
- 15HP and 20HP versions are ideal for high altitude or 50Hz electric operation.
- Shaft rotation arrows are part of the producer housing casting, not removable decals!
- Precision factory impeller balancing and assembly assures efficient operation.
- 9000 square inches of filter area through 10 bags in 10HP, 15HP, 20HP, & 25HP units.
- 10HP, 15HP, 20HP, 25HP units 34 inches wide, 91 inches long, 76 inches high at the separator tank. Width of tank is 29 ½”.
- Stainless steel doors with adjustable hinge and rubber gasket for tight seal.
- 4 inch inlet and outlet connections.
- Wet separator tank available.
- Exhaust muffler available to help reduce noise.

# Optional Related Equipment



## Central Vac – Separate Mount

Quiet and efficient — our most popular vacuum

- Cast-aluminum 1/2in turbine heads improve cooling & extend bearing life
- Heavy-duty cast iron / TEFC 208V / 230V / 460V
- 2-yr warranty on high-efficiency motor
- Turbine impeller-rotating assembly – supported by (2) precision 4-bolt industrial flanged bearings with zircon fittings for lubricating
- Backward curve impeller design for greater efficiency
- Vacuum separator – 12-gauge steel
- Automotive-type finish inside & out
- Poly-propylene, corrosion-resistant, 17-gallon waste bucket
- High-altitude units available
- 20HP measures:  
 2ft 9 3/4in W x 6ft 6in H x 7ft 9 5/8in L  
 – add 1ft 8in to length for door access



VAC10CS2

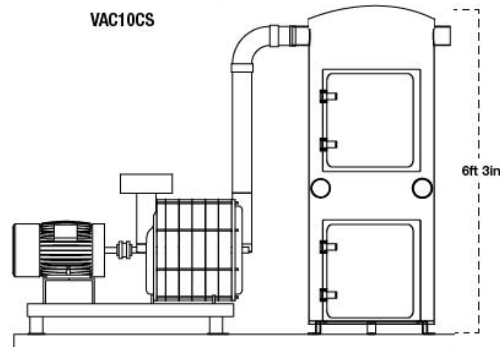


V1000

### Silencer

For the quiet operation of your SONNY'S vacuum system. It's 4in outside diameter, allows for an easy fit over your exhaust.

VAC10CS



VACLIFTKIT

### Lift Kit

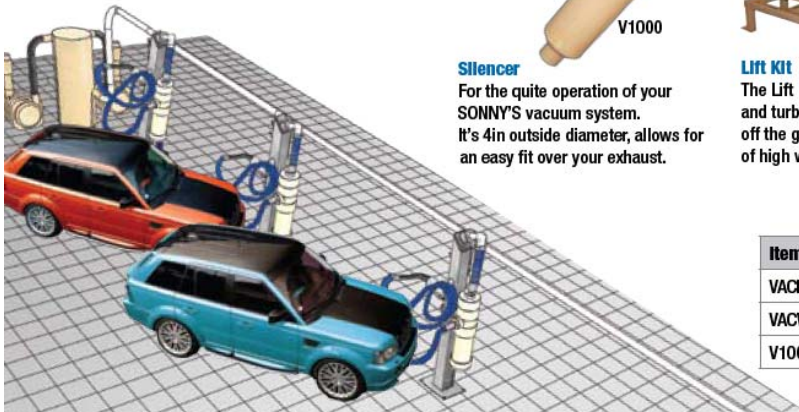
The Lift Kit raises the motor and turbine a little over 19in off the ground. Ideal for areas of high water or snow.



VACWATERSEP

### Water Separation Tank

Turn your vacuum into a high volume carpet extractor. Use to collect wet or dry debris—water, snow, dust, dirt.



Item #	Description	Price
VACLIFTKIT	Lift Kit, Central Vacuum	\$515.00
VACWATERSEP	Tank, Water Separator SS	1835.00
V1000	Muffler, Vacuum Silencer	154.50



Cast-aluminum 1/2in turbine heads improve cooling & extend bearing life



Backward curve impeller design for greater efficiency



Exclusive door design provides positive seal, eliminating lost performance or turbine damage



Poly-propylene, corrosion-resistant, 17-gallon waste bucket



(2) each of either 10, 15 or 20HP motors, heavy-duty cast iron TEFC 208 / 230 / 460




2-yr warranty on high-efficiency motor


Item #	Vacuum	Separator	HP	Drops	#Stages	lbs	Bags	ICFMC	HG	Price
VAC10CS	10HP	1	10	2-4	3	900	10	435	4.0in	\$4355.00
VAC15CS	15HP	1	15	4-6	4	950	10	550	5.5in	4765.00
VAC20CS	20HP	1	20	6-8	5	1000	10	625	6.0in	5150.00
VAC25CS	25HP	1	25	8-10	5	1050	10	750	6.5in	5965.00
VAC10CS2	Dual 10HP	1	2@10	4-8	3	1450	10	980	4.0in	7450.00
VAC15CS2	Dual 15HP	1	2@15	8-12	4	1550	10	1100	5.5in	8260.00
VAC20CS2	Dual 20HP	1	2@20	12-16	5	1650	10	1250	6.0in	9050.00

## SONNY'S FREE Vacuum Stations


Each Free vacuum station assembly (top, side or bottom feed) includes: SONNY'S Crevice Claw Tool, SONNY'S 8in. Trash Separator, SONNY'S Separate Mount Central Vacuum(s), and all vacuum hose and fittings.



**SONNY'S Exclusive CREVICE-CLAW Tool**  
The rugged CREVICE-CLAW vacuum tool, exclusive to SONNY'S, combines the utility of both a crevice tool and claw tool in one attachment with no loss in suction. Designed to speed customers through Express Exterior vacuum bays, this tool helps customers clean their cars faster.



**SONNY'S 8in. Trash Separator**  
This unique separator installs at each free vacuum station and prevents any excessive debris from affecting other stations and main vacuum lines.



See our Vacuum Section for these and other accessories.

VAC100C  
V112PCR  
V112PLI9  
VAC1100BOTOMFEED (shown with trash can option-not included)

Protect & beautify your equipment with optional powder coating. Call for pricing.

**For Trash Can option, see our Site Enhancement Section**

Item #	Description	Price
VAC1100TOPFEED	Vacuum Tool Assembly Complete, Top Feed	\$1265.00
VAC1100SIDEFEED	Vacuum Tool Assembly Complete, Side	1265.00
VAC1100BOTTOMFEED	Vacuum Tool Assembly Complete, Bottom	1265.00

## **\*SAFETY REQUIREMENTS\***

1. Only those employees specifically instructed by the location manager will be permitted to enter the wash tunnel to perform inspections or maintenance.
2. Do not enter the wash tunnel when the equipment is operating.
3. Always exercise caution when walking through the wash area, may be slippery conditions.
4. Be cautious when walking through the tunnel to avoid running into or tripping over equipment.
5. Do not ever run through the wash area.
6. Do not perform any work on equipment unless you performed Lock-Out Safety Precautions.
7. When maintenance requires that a piece of equipment be in operation, one qualified maintenance person must stay at the power disconnect switch while that equipment is operating.
8. All electrically powered equipment must have manually operated disconnects capable of being locked in the "OFF" position. Equipment that has been "locked out" for any reason can only be restarted by the person who performed the "lock out" operation.
9. Do not attempt to repair or adjust any pressurized liquid or pneumatic part, hose, pipe or fitting while that equipment is in operation.
10. Any "Stop" switch activated must be reset only by the person who initiated the operation.
11. Electrical connections and repairs are to be performed by a Licensed Electrician only.
12. Store all cleaning and washing solutions and oils in a well ventilated area.
13. Clean up fluid spills immediately to prevent hazardous safety conditions.
14. Be certain to follow all safety procedures on MSDS Sheets for each chemical product used.
15. All new employees must be thoroughly trained in safe operating and maintenance practices.
16. All employees must attend periodically scheduled safety procedure sessions.
17. Do not operate any piece of equipment that requires safety covers with those covers removed or improperly installed.
18. Do not allow any part of your body or other object to come in contact with moving machinery.
19. Do not wear loose fitting clothing or jewelry around moving machinery.
20. At least two qualified maintenance people must be present when performing equipment repairs or preventative maintenance.
21. When working on any equipment that is higher than a person's shoulders always use a fiberglass ladder that is in good condition.

# \*INSTALLATION\*

## Utilities Requirements

**Utilities interconnection and the materials required for interconnection to Sonny's equipment are the responsibility of the customer!**

**Perform all trades work to all applicable local and national codes!**

### Electric

- The Customer's Electrician is responsible for:
- Providing materials and installing single phase vacuum start-stop stations as required by the Customer that will provide power to the vacuum motor starter coil.
- Providing materials and installing single phase power through the Customer supplied Start/Stop stations to the vacuum motor starter coil.
- Properly sized interconnecting wiring from the 3-phase circuit breaker and motor starter to the 10HP, 15HP, 20HP or 25HP, vacuum motor for 208V, or 230V, or 460V power source.
- The Customer's Electrician is to provide materials and install 3-phase power (208V or 230V or 460V) to the 10HP or 15HP or 20HP or 25HP electric motor on the vacuum assembly through a properly sized 3-pole circuit breaker and motor starter with 3 thermal overloads. The use of copper wire is recommended. Earth grounding of the vacuum assembly is required.

**NOTE:** Be certain the electric motor is properly wired for the supply voltage! After wiring the motor check for proper rotation as stamped on the vacuum producer end castings.

### SPECIAL NOTE:

**DO NOT USE WIRE NUTS TO CONNECT 3 PHASE WIRING AT THE ELECTRIC MOTOR TERMINAL BOX!!! ONLY USE SPLIT BOLT TYPE CONNECTORS WITH ELECTRICAL INSULATION TAPE AND RUBBER INSULATOR BOOTS!!!**

**Pictured split bolt connector available from Grainger.**



High Strength Split Bolt Connector,  
 Equal Main and Tap Range  
 8 Stranded to 10 Solid,  
 Conductor Range 14 Solid,  
 Pressure Bar Material Copper  
 Grainger Item #3LN30  
 Price (ea.) **\$3.98**  
 Brand THOMAS & BETTS  
 Mfr. Model # 8H

High Strength Split Bolt Connector,  
 Equal Main and Tap Range  
 6 Solid to 8 Solid,  
 Conductor Range 14 Solid,  
 Pressure Bar Material Copper  
 Grainger Item #3LN18  
 Price (ea.) **\$4.07**  
 Brand THOMAS & BETTS  
 Mfr. Model # 6H

## Electrical Specifications – Vacuum Motors

### Baldor 25HP Electric Motor – All are 3600RPM

208V, Amp Draw 62      230V, Amp Draw 56      460V, Amp Draw 28

### Sterling 10, 15 & 20HP Electric Motors – All are 3600RPM

#### 10HP

208V, Amp Draw 26.6      230V, Amp Draw 24      460V, Amp Draw 12

#### 15HP

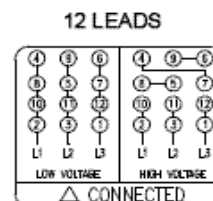
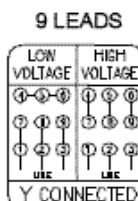
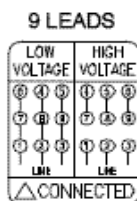
208V, Amp Draw 38.9      230V, Amp Draw 35.2      460V, Amp Draw 17.6

#### 20HP

208V, Amp Draw 52      230V, Amp Draw 47      460V, Amp Draw 23.5

#### POWER SUPPLY AND CONNECTIONS

- (1) Nameplate voltage and frequency should agree with power supply. Motor will operate satisfactorily on line voltage within 10% of nameplate value; or frequency within 5%; combined variation not to exceed 10%. 230 volt motors can be used on 208 volt network systems, but with slightly modified performance characteristics.
- (2) Dual voltage motors can be connected for the desired voltage by following the connection diagram on the nameplate or the connection diagram on the inside of the terminal box cover.
- (3) Wiring of motor and motor control, overload protection and grounding should be in accordance with the National Electric Code and/or local building codes.



The information in this user's manual is subject to change without notice.

### Plumbing

- For the 10HP, 15HP, 20HP & 25HP assemblies the Customer's Plumber is responsible to provide materials and installing the following;
- Interconnect from the suction connection on the separator tank to the vacuum hose drop lines. The following pipe sizes should be used for vacuum main suction lines;
- Hose drops short runs 4 inch.
- Hose drops long runs over 150 feet 6 inch for first 75 feet then drop to 4 inch.
- All piping turns should be with long sweep elbows NOT 90 degree elbows. Minimize the number of turns from the main line to the separator tank.
- All turn down piping from the main line to the vacuum hose drops should be with Tee-Y's and the hose fitting connection point on the "Y" shall be 2 inch for each drop.
- Vacuum producer exhaust piping should go to atmosphere when the vacuum assembly is located in an enclosed area not subject to cool free airflow. If exhaust piping to atmosphere is required it should be 4 inch in diameter and heat resistant for at least the first ten feet. Exhaust piping must be weather protected at its exit point.

## Equipment Installation

**Utilities interconnection and the materials required for interconnection to Sonny's equipment are the responsibility of the customer!**

**Perform all trades work to all applicable local and national codes!**

### Mechanical

- Place the assembled frame in the area planned for final connections. For the 10HP, 15HP, 20HP & 25HP assemblies the inlet fitting from the vacuum hose drops should face the direction of the hose drops.
- We do not recommend anchoring the frame to the floor because the vacuum producer and motor are factory mounted with rubber isolator pads. If local codes require mounting the frame to the floor we recommend that ½ inch thick rubber isolator pads be placed under each frame mounting foot and that the anchor bolts not be fully tightened to allow for some free movement.
- Be certain there is sufficient clear space around the vacuum assembly to allow free air flow and maintenance access. Do not locate the vacuum assembly in an area where customers may have direct access.
- For best results the 10HP, 15HP, 20HP & 25HP vacuum assemblies should be installed as close as possible to the vacuum hose drops.
- The OPTIONAL exhaust muffler is to be installed with the connectors provided on the producer exhaust pipe located on the producer toward the electric motor.

## Adjustments and Testing

- Test for proper rotation and vac.

## \*GENERAL OPERATION\*

- When the Start/Stop control is activated the producer motor starts and reaches full speed in approximately 3 seconds.
- When the producer motor is at full speed all vacuum hose drops may be used.
- De-activating the Start/Stop control will stop the producer motor and cause vacuum operation to cease.
- Before beginning daily operation be certain that the dirt canister is empty.
- Double check that the dirt canister door and the filter bag access door are firmly secured before starting the vacuum.
- If air leaks are heard around the vacuum assembly when the vacuum reaches full speed, turn the vacuum off and adjust the dirt canister door and filter bag access door for proper fit against the rubber seals.
- Continuous vacuuming of wet substances without the optional wet separator tank may cause permanent damage to the vacuum filter bags, impellers, and electric motor. **NEVER WASH THE FILTER BAGS !!!**
- Unused vacuum hose drops must be firmly closed off at the vacuum tool mouth in order that in-use vacuum hose drops operate efficiently.
- Do not operate the vacuum with the dirt canister door or the filter bag access door open or not firmly sealed and closed !!!

## **\*PREVENTIVE MAINTENANCE\***

**FOR THE FIRST MONTH OF OPERATION CHECK ALL HARDWARE AND FITTINGS FOR TIGHTNESS EACH WEEK!**

### **DAILY**

1. Empty collected trash from the dirt canister.
  - a. Turn power off to the vacuum. Open the door latches. Use care when opening or closing the door. A damaged door may cause damaging leaks to the vacuum.
  - b. Remove and empty the dirt canister. Clean the compartment around the canister. Replace the empty canister in the storage compartment against the alignment flange.
  - c. Close the access door. Press the center of the door before fastening the latches to assure a proper door gasket seal.
  - d. Turn on the vacuum. Listen for any leaks around the door gasket. Re-seal if necessary.
2. Clean the filter bag.
  - a. Turn power off to the vacuum. Open the door latches. Use care when opening or closing the door. A damaged door may cause damaging leaks to the vacuum.
  - b. If you have the Uni-Mount style frame, shake the filter bags with the handle on the side of the separator tank. If you have the Separate Mount style frame, manually shake the filter bags behind the upper door on the separator tank.
  - c. Inspect filter bags for damage, wetness and proper seating, replacing damaged bags.
  - d. Return filter bags to vacuum.
  - e. Close the access door. Press the center of the door before fastening the latches to assure a proper door gasket seal.
  - f. Turn on the vacuum. Listen for any leaks around the door gasket. Re-seal if necessary.
  - g. Inspect vacuum hoses and tools for cuts, excessive wear, or trash blockage. Replace as necessary.
  - h. Turn the vacuum on and check all hose drops for proper operation.

### **WEEKLY**

1. Inspect all filter bags for wetness or tears. Replace as necessary.
2. Check vacuum piping for pin hole leaks, cracks, or loose fittings.
3. Inspect dirt canister and filter access door gaskets for cuts, excessive wear, or leaks. Replace as necessary.
4. Clean the separator tank and producer housings.

### **BI-WEEKLY**

Grease impeller shaft bearings every 2 weeks. Do Not Over Grease !!!

### Motor Maintenance

#### MAINTENANCE

- (1) **INSPECTION:** Inspect motor at regular intervals. Keep motor clean and ventilating openings clear of any obstructions.
- (2) **LUBRICATION:** Prelubricated double sealed bearings do not need to be relubricated. We recommend changing bearings at times shown, but if not changeable, you can relubricate by removing seal plate, cleaning and refilling the bearing and bracket cavity with the recommended grease. Motors having pipe plugs or grease fittings are shipped with sufficient grease for a long operation period. It is necessary to relubricate ball bearing motors periodically, depending upon size of bearings and type of service. For easy service (1-hour per day) multiply table value by 2. For severe service (shock, high vibration, moisture, corrosives) use 1/3 of table value.

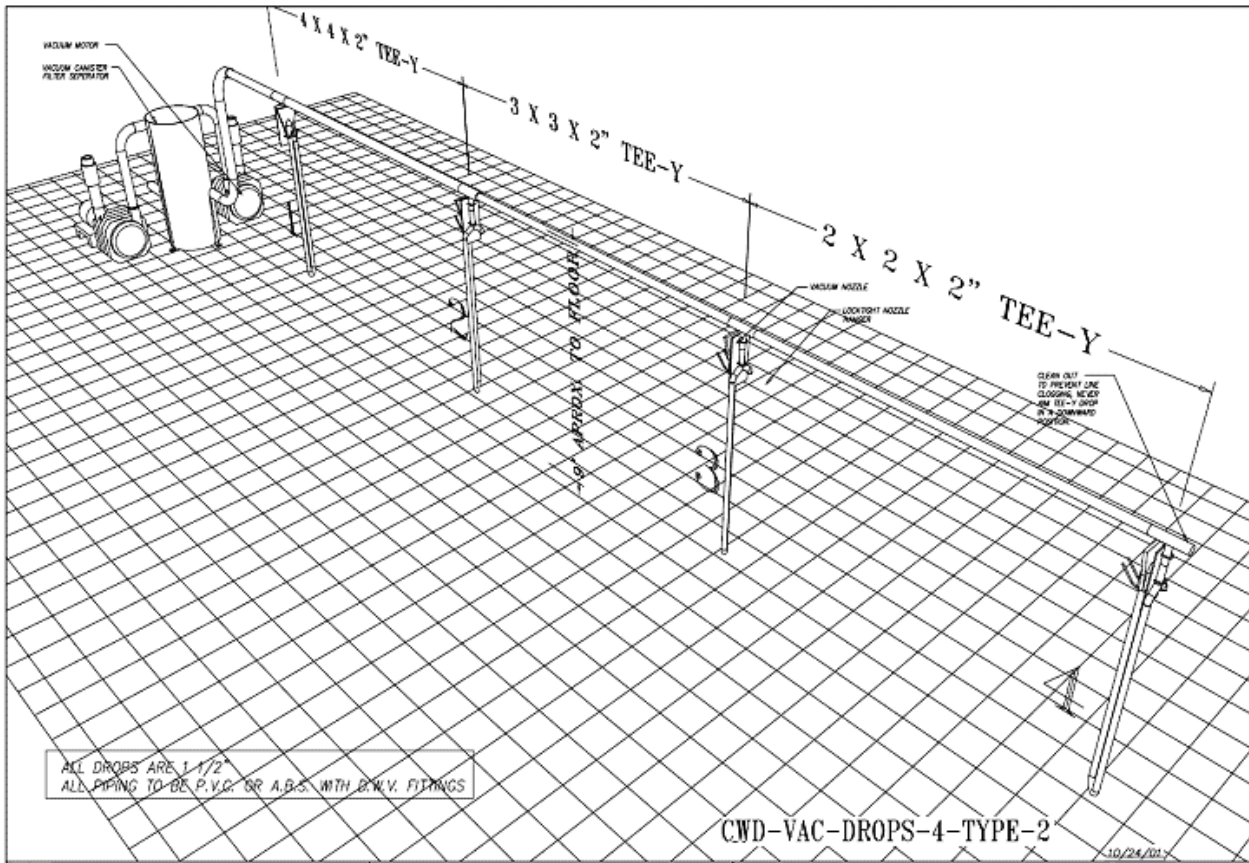
#### FREQUENCY OF RELUBRICATION

MOTOR RPM	FRAME VS. HP	TYPE OF SERVICE	
		STANDARD DUTY 8 HR/DAY	HEAVY 24 HR/DAY
3600	143T - 286TS 1.5 - 30	2 YEARS	6 MONTHS
	324TS - 445TS 40 - 150	6 MONTHS	90 DAYS
1800	143T - 256T 1 - 20	2 YEARS	1 YEAR
	284T - 326T 25 - 50	1 YEAR	6 MONTHS
	364T-445T 60 - 150	6 MONTHS	90 DAYS
1200	143T - 256T .75 - 10	3 YEARS	2 YEARS
	284T - 326T 15 - 30	2 YEARS	1 YEARS
	364T - 445T 40 - 125	1 YEAR	6 MONTHS

- (3) **INSTRUCTIONS FOR LUBRICATING:** Replace one pipe plug on each motor end bracket with a grease fitting. Remove the other plug for grease relief. Be sure fittings are clean and free from dirt. Using a low-pressure grease gun, pump in the recommended grease until new grease appears at the grease relief hole. After relubricating, allow motor to run for 10 minutes before replacing pipe plugs in end brackets.
- (4) **RECOMMENDED GREASE:** Use the following greases, or some equivalent lithium based grease, unless a special grease is specified on the motor nameplate.

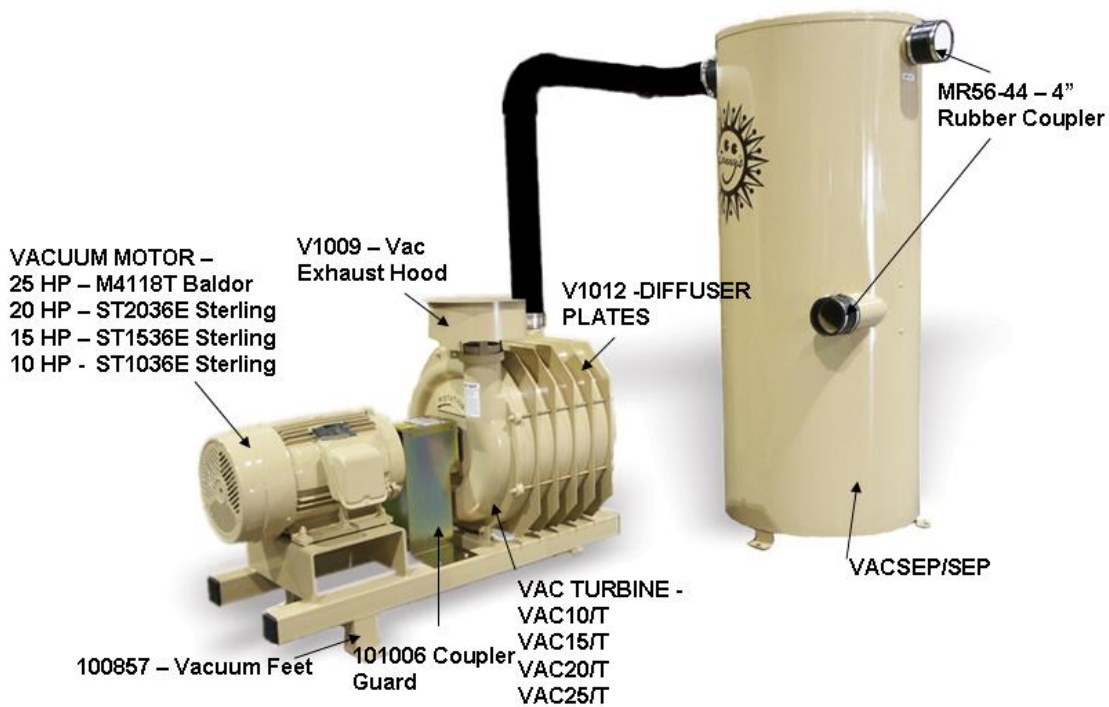
Chevron SRI #2  
Shell Oil Dolium R

Rykon Premium #2  
Texaco Polystar RB



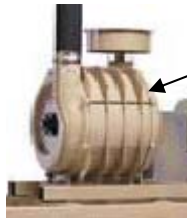
## \*VACUUM COMPONENTS\*

10HP, 15HP, 20HP, 25HP units are 34 inches wide, 91 inches long, 76 inches high at the separator tank.



To determine the HP of the turbine, count the diffuser plates (they protrude). 15HP is shown.

- 6 = 25HP VAC
- 5 = 20HP VAC
- 4 = 15HP VAC
- 3 = 1 HP VAC



**Installing A Water Separator To Your Vacuum**



When using the stainless steel water separator, install inline between the primary separator and the vacuum drop manifold.



**Dura-Flex® Coupling  
 Installation Instructions**

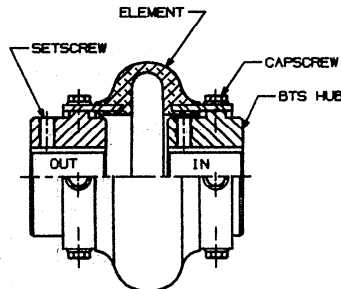
**WARNING**

Coupling **must** be guarded, both to prevent any contact with the rotating parts and to contain the coupling components should they fail. Failure to use adequate guards may result in injury to personnel in the area of the coupling.

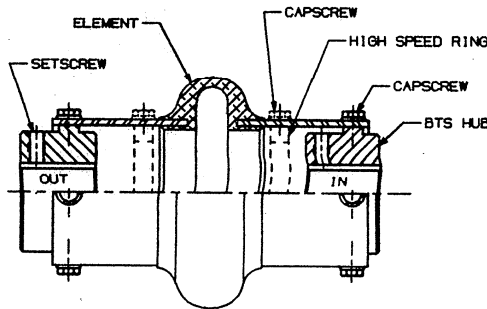
**TABLE 1- Fastener Torque Values and Maximum RPM**

Basic Size	Element & Ring Cap Screw Torque (ft-lb)	Standard hubs Setscrew Torque (ft-lb)	QD Hubs Cap Screw Torque (ft-lb)	Taper-Lock Screw Torque (ft-lb)	Maximum RPM	
					Standard	Spacer*
WE2	17	7	...	...	7500	7500
WE3		7	...	5	7500	7500
WE4		14	5	5	7500	7500
WE5		23	9	5	7500	7500
WE10		23	9	15	7500	7500
WE20	30	50	15	15	6600	4800
WE30		50	30	23	5800	4200
WE40		100	60	36	5000	3600
WE50		100	60	36	4200	3100
WE60	75	167	110	67	3800	2800
WE70		167	135	83	3600	2600
WE80		167	225	142	2000	1800

\*Maximum spacer RPM = Maximum standard RPM if using optional high speed rings



**Typical Standard**

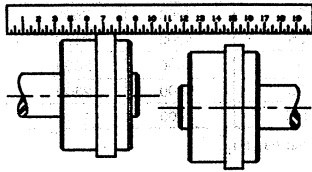


**Typical Spacer**

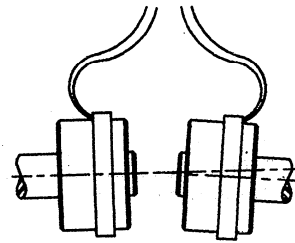
(over)

1. Determine the size and type of coupling being used. Use maximum RPM values in Table 1 to verify that your coupling will be operating at a safe speed.
2. Check the driveR and driveN shafts and remove any paint, burrs, rust, etc. Slide hubs (and bushings, QD or Taper-Lock style) on the shafts with keys.
3. When high speed rings are to be used for spacer couplings, loosely install one ring on each half element.
4. Hold one half element on the hubs to determine the appropriate hub spacing. If using spacer elements with high speed rings, hold both half elements on hubs to make sure that the hubs do not interfere with the rings. The hubs may be installed with hub extension facing in or out. Make sure that the shaft extends into the hubs at least .8 times the shaft diameter.
5. **Lightly** fasten hubs to shafts to prevent them from moving during alignment.
6. The hubs should be aligned according to equipment manufacturer's recommendations. If these recommendations are unknown, alignment should be as good as prudently possible and better than values shown in Figure 2 for allowable misalignments. Alignment may be done with lasers, dial indicators, or with a straight edge and calipers. The latter can be done as follows:

Angular misalignment may be checked by using a caliper to gage the distance between the two hubs at various points around the circumference. **Do not rotate shafts.** Reposition equipment until the difference between the minimum and maximum distance values is as small as possible.



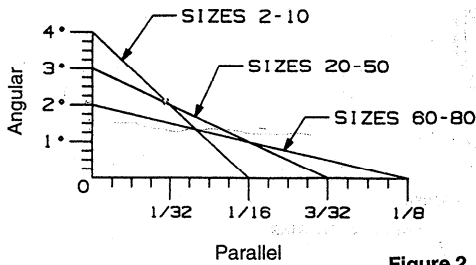
**Parallel**



**Angular**

Parallel alignment may be checked by placing a straight edge across the two hubs and measuring the maximum offset at various points around the periphery of the hubs. **Do not rotate shafts.** Reposition equipment until offset is as small as possible.

7. You must re-check the hubs to be certain both angular and parallel alignments are still within values given in Figure 2.



**Figure 2**

Hub Size	Degrees			
	1	2	3	4
WE2	0.032	0.065	0.097	0.129
WE3	0.040	0.081	0.121	0.162
WE4	0.045	0.091	0.136	0.181
WE5	0.055	0.109	0.164	0.218
WE10	0.064	0.127	0.191	0.218
WE20	0.078	0.156	0.234	
WE30	0.095	0.189	0.284	
WE40	0.116	0.231	0.347	
WE50	0.142	0.284	0.425	
WE60	0.153	0.305		
WE70	0.161	0.323		
WE80	0.196	0.393		

**Angular - Inch Gap**

8. Loosen setscrew on driveN hub. Loosely install one half element opposite hub set screws. Torque both hub set screws to value shown in Table 1. For QD or Taper-Lock hubs, follow instructions supplied with bushings. Loosely install other half element on to hubs. Install capscrews on high speed rings. If the capscrew holes in the elements do not line up properly due to hub misalignment, rotate the shafts slightly. Torque all element and high speed ring capscrews to values shown in Table 1. If possible, re-check angular and parallel alignments.
9. Install coupling guard.

**TB WOOD'S INCORPORATED • 440 N. Fifth Avenue • Chambersburg, PA 17201-1778**  
**Phone: 800-789-6637 • FAX: 717-264-6420**

**\*PARTS LIST\***



**SONNY'S**  
**Cast Exhaust Hood**

- 4in ID
- Rain prevention

MR56-44

Item #	Description	Price
V1009	Hood, Vacuum Exhaust Casting	\$39.95
MR56-44	Mounting Coupler, 4in Rubber Assembly	10.50



**SONNY'S**  
**Vacuum Muffler Silencer**

For quiet operation of your SONNY'S vacuum system.

- 4in OD top & bottom

Item #	Description	Price
V1000	Muffler, Vacuum Silencer	\$154.50



**SONNY'S**  
**Vacuum Impeller**

High speed, precision balanced for smooth and quiet operation

- 1 3/8in shaft size

Item #	Description	Price
V1005	Impeller, Sonnys 1in wide x 21in dia.	\$259.00



**SONNY'S**  
**Filter Bag**

Item #	Description	Price
V1008	Vacuum, Filter Bag 6in D x 32in L	\$17.95

**Vacuum Door Catch & Strike**



Item #	Description	Price
VACLATCHKIT	Vacuum Door, Strike/Catch w/Hardware	\$9.75



**SONNY'S**  
**Coupler Guard**

The coupler guard is designed to provide a safety barrier between personnel and rotating coupler and motor shaft. It easily mounts over the coupler and motor shaft for quick removal when necessary.

Item #	Description	Price
101006	Coupler, Guard	\$45.00

**SONNY'S**  
**TB Wood's Dura-Flex® Couplers**

TB Wood's Dura-Flex® couplings are designed from the ground up using finite element analysis to maximize flex life. Perfect for a wide variety of applications - including those with uniform to heavy shock loads - DuraFlex® couplings employ a light weight element that absorbs shock loading and torsional vibration. Used on all SONNY'S vacuum systems.



**Features**

- Directly interchangeable with similar couplings for fast and easy replacement
- Flexible polyurethane material offers superior chemical, dynamic, and weathering properties

Item #	Description	Price
WE5KIT/15/20/25	Woods Coupler Kit, 15HP/20HP/25HP	\$182.95
WE5KIT/71/2/10	Woods Coupler Kit, 7 1/2HP & 10HP	182.95
WE5-ELEMENT	Woods, Element Only	106.41



**4in Swing Check Valve**

Used on dual producer / single canister vacuum systems. Schedule 40 PVC

Item #	Description	Price
V1100	Vacuum Check Valve, 4in	\$42.00



**8in diameter  
 Trash Collector**

36"

Trash collector mounts to unistrut with strap



Item #	Description	Price
VACTRCLPVC-8	Vac, Sonnys Trash Collector 8in PVC	\$232.00



**4 Bolt Flange Bearing**

1 3/8in bearings used on SONNY'S vacuum producer. Sealmaster brand bearings are of the highest quality and made in the U.S.A.

Item #	Description	Price
SF22C	Bearing, 4-Bolt Flange 1 3/8in	\$53.52



**Trash Collector Strap**

Trash collector mounts to unistrut with strap



Item #	Description	Price
VACTRCLSTRAP	Trash Collector, Strap 8in Zc Plated	\$4.95



**Replacement  
 Woods Couplers**

- 1 piece split construction, EPDM rubber
- Sleeves may be used in any type sure-flex flange within a given size
- Numerical size is embossed on each sleeve

Used for many OEM applications, including older model SONNY'S vacuum systems

Item #	Description	Price
7JE	Coupler, EPDM Rubber Insert Solid	\$17.95
7SX158	Coupling, Half 7S x 1 5/8in Bore	24.75
7SX138	Coupling, Half 7S x 1 3/8in Bore	22.20



**Aluminum Unistrut**

Trash collector mounts to unistrut with strap



Item #	Description	Price per ft.
HCHN	Unistrut Aluminum Channel, Sold Per Foot	\$4.05

## Nozzle Hangers



Item #	Description	Price
VH100	Nozzle Hanger, Stainless Steel	\$32.99
VH100C	Carpet Only, for VH100 Nozzle Hanger	2.50
VH101	Nozzle Hanger, Cast Aluminum	24.95
VH101C	Carpet Only, Aluminum Nozzle Hanger	2.50

## Vacuum Station Booms



- Polished stainless steel



Item #	Description	Price
V60311	Vacuum Air Boom, Wall Mount	\$391.80
V60313	Air Boom, Ceiling Mount Stainless Steel	326.98
V60326	Air Boom, Ceiling Mount Z Style SS	354.42
V60323	Swivel Adapter, Stainless Steel	125.85
V60320	Air Boom Pully, Stainless Steel	122.63
V60314	Elbow, Air Boom 90deg Stainless Steel	71.84



## 1 1/2in Crush Resistant Heavy Duty Vacuum Hose

- Manufactured from Copolymer materials
- Light weight & flexible even at low temperatures
- Tight bending characteristics
- High abrasion resistance

Item #	Description	Color	Price
VH150	Hose, Vacuum 1 1/2in x 45ft Heavy Duty	Brown	\$52.95
VH150RD	Hose, Vacuum 1 1/2 in x 45ft Heavy Duty	Red	52.95
VH150BL	Hose, Vacuum 1 1/2in x 45ft Heavy Duty	Blue	52.95
VH150GR	Hose, Vacuum 1 1/2in x 45ft Heavy Duty	Gray	52.95

All Hose measured from inside diameter

## Heavy Duty Plastic Connector Cuffs



- Threads on end of commercial vacuum hoses to provide easy attachment
- For use on 1 1/2in vacuum hose



Item #	Description	Color	Price
VC150R	Cuff, Regular, 1 1/2in Vacuum	Gray	\$1.35
VC150S	Cuff, Swivel 1 1/2in Vacuum	Gray	2.40
VC150C	Cuff, Connector 1 1/2in Vacuum	Gray	2.40

## Hose-to-Valve Adapter



- Heavy duty galvanized steel
- Self locks into inlet valve
- For use on 1 1/2in vacuum hose

## Inlet Valve



- Die cast metal valve
- Spring-loaded self closing chrome cover
- 2in NPT thread

Item #	Description	Price
V1215	Valve, Inlet Vacuum	\$19.95
VA150	Valve, Hose To Valve Adaptor	9.95

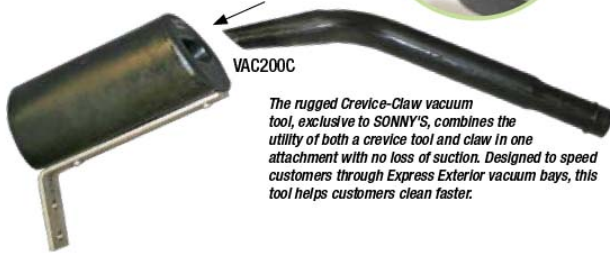


### Express Claw Assembly

Complete express claw assembly includes:

- Holster with mounting bracket
- Express Claw Tool
- For use on 1 1/2in vacuum hose

Center reinforcement at opening of crevice-claw vacuum tool, prevents larger objects from being suctioned and clog the vacuum system



The rugged Crevice-Claw vacuum tool, exclusive to SONNY'S, combines the utility of both a crevice tool and claw in one attachment with no loss of suction. Designed to speed customers through Express Exterior vacuum bays, this tool helps customers clean faster.

Item #	Description	Price
VAC200C	Vacuum Express Claw Complete, Sonnys	\$57.00
VAC200H	Vacuum Claw Holster w/ Bracket, Sonnys	40.00
VAC200	Vacuum Express Claw Only, Sonnys	20.00

### 1 1/2in Plastic Vacuum Nozzles 12in Long



Item #	Description	Color	Price
V112P	Nozzle, Vacuum 1 1/2in	Orange	\$1.67
V112PBK	Nozzle, Vacuum 1 1/2in	Black	1.67
V112PGR	Nozzle, Vacuum 1 1/2in	Gray	1.67
V112PY	Nozzle, Vacuum 1 1/2in	Yellow	1.67



### 1 1/2in Plastic Crevice Tool

Complete crevice tool assembly includes:

- Holster with mounting bracket
- Crevice Tool
- Cuff



VAC100C

Item #	Description	Price
VAC100C	Vac, Crevice Tool Assembly Complete	\$65.00
VAC100H	Holder for Crevice Tool Assembly VAC100	39.95
V112PCR	Crevice Tool, Vacuum 1 1/2in Orange	2.25
VC150S	Cuff, Swivel 1 1/2in Vacuum Gray	2.40

### 1 1/2in Long Nozzle & Crevice Tools



V112PL

V112PCR

Item #	Description	Color	Price
V112PL	Nozzle, Vacuum 23in Long	Black	\$3.69
V112PCR	Vacuum Crevice Tool	Orange	2.25
V112PCR-BK	Vacuum Crevice Tool	Black	2.25

## \*CUSTOMER SERVICE\*

Please contact SONNY'S Equipment Department for installation and/or operational questions regarding this piece of equipment and to learn about our Vacuum Turbine Repair Program available to Sonny's equipment owners.

Please refer to the Parts list in this manual or our Parts Catalog and contact SONNY'S Customer Service Order Entry Department for any replacement parts for this piece of equipment.

For Equipment Repairs please visit the web at [www.sonnysdirect.com/manuals](http://www.sonnysdirect.com/manuals).

DEPARTMENT	PHONE NUMBERS	FAX NUMBERS
Toll Free Main Line	800-327-8723	800-495-4049
Equipment Department	954-720-4100	954-720-9292

Or you can email Sales at [sales@sonnysdirect.com](mailto:sales@sonnysdirect.com)

*Thank you for being a SONNY'S car wash equipment owner!*

*From all of us here at*

