MODEL 92000

Our Standard Sparkle Stainless Steel Vacuum.

- Stainless Steel Dome with Full Decal
- 18 Gauge Stainless Steel Body
- 11 Gauge Stainless Steel Meter and Coin Box
- Recess High Security Coin Box
- Fuse Protected
- 2" Vacuum Hose and Cuff
- Solid State 110V Adjustable Timer
- Test Switch
- Self Cleaning Filter Bag
- 2 - 1.6 H.P. Vacuum Motors
- Dual Latch Clean Out Door

OPTIONAL FEATURES:

- Vault Ready
- Maximum Security Locking System
- Vendor Brackets and Vendor
- Collapsible Trash Bag
- Low Voltage 24V Timer
- Electronic Coin Acceptor
- Cycle Counter
- Quiet Model
Model 92005

Our standard Sparkle Stainless Steel Vacuum same features as our Model 92000, except the cash box housing and cash drawer have been deleted for vault connection. Two inch stainless steel sleeve provided at bottom of cash box for 1½" pipe connection.

Model 92000-VB

Our standard Sparkle Stainless Steel Vacuum with vendor bracket provided to mount towel vendor directly to vacuum. The most practical location for a vendor at your car wash.
The Sparkle Self Cleaning Filter Bag (11) is a new and innovative means of keeping the Sparkle Vacuum operational. When properly cared for, this bag will last for an extended period, over the conventional vacuum filter bag. The following diagram and instructions will enable you to properly maintain, care and remove the filter bag.

1) When the vacuum cycle is initialized, the filter bag (11) is pulled up into the vacuum canister.

2) At the end of the cycle the bag drops down. There is a built-in weight in the filter bag.

3) This fall causes the bag to clean itself, making ready for the next cycle.

4) In the event that the filter bag must be removed, grasp the ring located in the groove at position A. Firmly pull down on this ring, causing the spring loaded ring to release, thus releasing the filter.

5) Remove the filter bag through the dirt door opening (5).

6) The filter bag is made of durable material, and after removal can be cleaned with a water hose.

7) To re-install the filter bag, insert spring ring into groove at point B. Gradually work the ring around the groove, holding it at the original beginning place until it snaps into place.

8) In case the filter bag has been torn or stolen, then it must be replaced. There are also screens (29) under the motor (28) for protection if the vacuum is turned on in this state. In the event this happens, perform the following procedures before putting the vacuum back into operation:

A. Loosen holddown bolt (32).
B. Remove vacuum motors (28).
C. Remove and clean stainless steel filter screens (30).
D. Reinstall screens (30) and motors (28).
E. Tighten holddown bolts snugly (32).
** PARTS LIST **

<table>
<thead>
<tr>
<th>ITEM</th>
<th>PART #</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>92104</td>
<td>CANISTER STAINLESS STEEL</td>
</tr>
<tr>
<td>2</td>
<td>92110</td>
<td>VACUUM DOME</td>
</tr>
<tr>
<td>3</td>
<td>38056</td>
<td>DOME DECAL</td>
</tr>
<tr>
<td>4</td>
<td>92112</td>
<td>TOP SCREW</td>
</tr>
<tr>
<td>5</td>
<td>92116</td>
<td>DOOR WITH HINGE</td>
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<tr>
<td>6</td>
<td>92120</td>
<td>DOOR GASKET</td>
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<tr>
<td>7</td>
<td>92124</td>
<td>DOOR SCREW &amp; NUTS (4) **</td>
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<td>8</td>
<td>92128</td>
<td>DOOR LATCH (2)</td>
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<td>9</td>
<td>92132</td>
<td>DOOR LATCH SCREW &amp; NUTS (2) **</td>
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<td>92136</td>
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<tr>
<td>11</td>
<td>92140</td>
<td>VACUUM FILTER BAG</td>
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<td>12</td>
<td>92142</td>
<td>VACUUM DIRT BAG **</td>
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<td>92145</td>
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<tr>
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<td>26000</td>
<td>COIN MECHANISM</td>
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<td>COIN RETURN CUP &amp; SCREW</td>
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<td>24382</td>
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<td>22</td>
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<td>23</td>
<td>92172</td>
<td>WIRING HARNESS (TIMER) **</td>
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<td>24</td>
<td>92176</td>
<td>POWER CORD **</td>
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<td>25</td>
<td>92180</td>
<td>MOTOR WIRING HARNESS **</td>
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<td>26</td>
<td>72082</td>
<td>TEST SWITCH</td>
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<td>27</td>
<td>92156</td>
<td>VACUUM MOTOR GASKET (2)</td>
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<td>28</td>
<td>66036</td>
<td>SAFETY SCREEN (2)</td>
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<td>29</td>
<td>92164</td>
<td>VACUUM MOTOR CLAMP</td>
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** DENOTES PARTS THAT ARE NOT ON THE PARTS BREAKDOWN.**
2600 SERIES SINGLE COIN FRONT PLATE
FOR NICKEL, DIME OR QUARTER OPERATION

INDEX PART NO. DESCRIPTION QUANTITY
1 902056 Switch Screw 2
2 403676-1 5¢ Coin Switch & Wire Assembly 1
3 403676-2 10¢ Coin Switch & Wire Assembly 1
4 403901 25¢ Coin Switch & Wire Assembly 1
5 400964 C.R.E.M. & Bracket Assembly 1
6 901460 Coin Return Plunger 1
7 400962-1 5¢ Front Plate & Chute Assembly 1
8 400962-2 25¢ Front Plate & Chute Assembly 1
9 902977 Return Coin Catcher 1
10 N510-0 5¢ Acceptor 1
11 D520-0 10¢ Acceptor 1
12 Q530-0 25¢ Acceptor 1
13 403976 Switch Bracket and Reject Chute Assembly 1
14 345-4.8 No. 4 x 1/2 Pan Hd. Screw - Plastite 2
15 110-8-3 No. 8 x 3/16 Truss Hd. Screw 1

INDEX PART NO. DESCRIPTION QUANTITY
11 110-6-3 No. 8-32 x 3/16 Truss Hd. Screw 3
12 751-18 Retaining Ring 1
13 902015 Plunger Return Spring 1
14 902556 Plunger Spacer 1
15 400515 Armature & Pin Assembly 1
16 400635 Core & Ring Assembly 1
17 900827 Electro-magnet Coil 1
18 900691 Electro-magnet Frame 1
19 106-85-4 Brass Binding Hd. Screw 1
20 901459 Electro-magnet Bracket 1
21 900693 Electro-magnet Spring 1
22 900670-1 Switch 1
23 902797-1 5¢ Coin Switch Wire 1
24 902797-2 10¢ Coin Switch Wire 1
25 901489 25¢ Coin Switch Wire 1
26 900651 Switch Wire Retainer 1

COIN ACCEPTORS, INC., ST. LOUIS, MISSOURI 63110

COINCO PUBLICATION No. 902843-1
Printed in U.S.A.
92000 VACUUM WITH GINSAN CONTROL TIMER & SENSORTRON.

110/120V AC SINGLE PHASE
**Two-Stage Peripheral Discharge Bypass Vacuum Motors**

GS Electric's 072 Series motors are two-stage, single-speed bypass motors. Operating on 120 VAC, they feature a 5.7 inch diameter housing with either ball/ball or ball/ball/bearing construction. The motors are designed for applications operating in environments which require the separation of working air from the motor ventilating air. A 240 VAC version is available in Model 172.

**APPLICATIONS** Include commercial, utility, and central vacuum cleaning systems.

**DESIGN FEATURES** include UL component recognition and CSA construction certification, open frame construction, provision for grounding, and easy application to both new and existing cleaners. UL component recognized Models 0772 and 1772 provide locked rotor protection.

For special applications or modifications to standard motors, consult GS Electric.

### Vacuum-Airflow Performance

<table>
<thead>
<tr>
<th>ORIFICE DIA. (IN)</th>
<th>ORIFICE AMPS</th>
<th>INPUT WATTS</th>
<th>RPM</th>
<th>WATER LIFT (IN.)</th>
<th>PRESSURE PSI</th>
<th>VOLUME CFM</th>
<th>OUTPUT AIR WATTS</th>
<th>OVERALL EFF. (%)</th>
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<td>19,360</td>
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Published data is for reference only; consult GS Electric for latest options and specifications. Performance characteristics represent test data at 120 VAC, 60 Hz. Airflow data is corrected to standard barometer (29.92 Hg) and temperature (68°F).
The Full Line of GS Electric Motors Includes:

B-Pak® Motors
Packaged 243 frame enclosed motors that have become industry's power of choice through application flexibility. Feature various mounting configurations and performance and shaft modifications. Available in designs from 100V to 255V AC. UL and CSA recognized. Options include bearing construction, inherent overheating protection, airflow direction and grounding.

Permanent Magnet Motors
A wide selection of two-pole DC motors available in open or enclosed construction. Feature 25 to 80 oz./in. continuous torque in 3-inch diameters, ball or sleeve bearing design, and voltages from 5V to 255V DC. UL recognized. Options include a packaged rectifier and inherent overheating protection.

Skeleton Motors and Part Sets
Available in 243, 287 and 318 frame in multi-speed and reversible designs in 100V to 255V AC. Performance and shaft modifications available as required. UL recognized.

Motor Blowers
Thru-flow, peripheral by-pass and tangential discharge types in designs from 36V to 255V AC. High performance and high efficiency models available. Single- and two-stage designs, with single economical three-stage design available in tangential discharge type. UL and CSA recognized. Options include bearing type, inherent overheating protection, long-life brushes and patented bearing air seal on tangential discharge models.

P.O. Box 400
1700 Ritter Highway
Carlisle, PA 17013

717-243-4041
Telex 510-650-2284
FAX 717-243-6519

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Printed in U.S.A.
Models AT411E-L-X
ACCUMULATING TIMER
FOR VACUUMS AND BAYS

The IDX AT411E series of accumulating timers can be used in vacuums or bays. This series of timers can operate either on 120VAC or 24VAC and switch out either voltage. Operators can field adjust time and or coins to start.

The Model AT411E-L has an Aux. Output that turns on the last 32 seconds of time. This continuous 20mA max. output will operate a horn or lamp that is the same voltage as the load.

The Model AT411E-X "X-Tra Time" allows your customer to complete his desired vacuum or wash cycle. At the end of the cycle, an output turns on. Now the customer has 20 seconds to deposit one or more coins to continue. This 20mA max. output will operate a horn or lamp that is the same voltage as the load.

If no coins are deposited before the "X-Tra Time" period expires, the AT411E-X timer resets and the defined number of coins to start must be deposited, which starts a new cycle.

FEATURES
- OPERATE WITH 120VAC or 24VAC POWER
- TWO (2) HEAVY DUTY 25 AMP SCR OUTPUTS
- 1 TO 15 COINS TO START
- ACCEPTS 256 COIN INPUTS WITHOUT RESETTING
- SELECT COIN TIME FROM 2 SECOND TO 8.5 MINUTES PER COIN

OPTIONAL MODELS
- AT411E-L: LAST COIN ALERT STARTS AT THE LAST 32 SECONDS
- AT411E-X: "X-Tra Time" 20 SECONDS CONTINUATION TO ADD 1 or MORE COIN TO START TIMER AGAIN
- AT411E-N: TIMER DOES NOT RESET WHEN COIN INPUT IS HELD (USED WITH COIN SLIDES)
- AT411E-R: REMOTE RESET
- AT411E-1: NON-ACCUMULATING BEYOND PRESET COIN INPUT

Mailing: 401 W. Main St., El Dorado AR 71730 - Shipping: 400 W. Cedar St., El Dorado AR 71730
Phone: 800-643-1109, 870-862-2051 FAX: 870-862-3472 E-Mail: sales@idxinc.com Web: www.idxinc.com

EDP 21392 10/22/2003
AT411 WIRING

SWITCH SETTINGS

COINS TO START
ON
- TO SET THE NUMBER OF COINS TO START, PUSH COIN SWITCHES TO THE RIGHT. TO ADD UP TOTAL NUMBER OF COINS NEEDED TO START. EXAMPLE: 5 COINS TO START. PUSH TO THE RIGHT THE #1 SWITCH AND #4 SWITCH FOR A TOTAL OF 5 COINS TO START.

SECONDS PER COIN
ON
- AT411E IS AN ACCUMULATING TIMER. TO SET TIME, DIVIDE TOTAL TIME BY THE TOTAL NUMBER OF COINS TO START. PUSH THE CORRECT SWITCHES TO THE RIGHT. EXAMPLE: $1.25 TO START FOR 4 MINUTES. 5 COINS DIVIDED INTO 240 SECONDS (4 MIN.) EQUALS 48 SECONDS PER COIN. PUSH TO THE RIGHT THE #16 SECOND SWITCH AND THE #32 SECOND SWITCH FOR A TOTAL OF 48 SECONDS PER COIN.

AT411 TIMER CONNECTIONS

JUMPER TERMINAL
#1 TO #5 FOR 120VAC LOAD
#2 TO #5 FOR 24VAC LOAD

TERMINAL #1
120VAC POWER IN

TERMINAL #2
24VAC POWER IN

TERMINAL #3
POWER COMMON

TERMINAL #4
EARTH GROUND

TERMINAL #5
INPUT FOR OUTPUT POWER

TERMINAL #6
OUTPUT LOAD 25A, 24/120VAC

TERMINAL #7
COIN SWITCH WIRE (RED/GREEN OR BLUE)

TERMINAL #8
XEPTOR® COMMON WIRE (BLACK AND/OR RED/GREEN)

TERMINAL #9
X-Tra Time LAMP - LAST COIN LAMP OR HORN

CONNECT 24VAC LAMP OR HORN BETWEEN TERMINAL #9 & #2 (MAX OUTPUT 20mA)

CONNECT 120VAC LAMP OR HORN BETWEEN TERMINAL #9 & #1 (MAX OUTPUT 20mA)

CONNECT LOAD BETWEEN TERMINAL #6 AND POWER COMMON TERMINAL #3

AT411 OPTIONS

-X = X-Tra Time
-L = LAST COIN ALERT
-N = NON-RESETTABLE BY COIN INPUT
-R = REMOTE RESET
-I = NON-ACCUMULATINGRE COIN ACCEPTORS

FOR 24VAC OPERATION
ACCEPTOR CONNECTIONS

3 WIRE COIN ACCEPTORS
MA711 / MA611 / X10AW / ETC.

ACCEPTOR
AT411

YELLOW WIRE
TERMINAL #2

BLACK WIRE
TERMINAL #8 OR #3

BLUE WIRE
TERMINAL #7

4 WIRE COIN ACCEPTORS
MA601 / MA800 / X10CR / ETC.

ACCEPTOR
AT411

YELLOW WIRE
TERMINAL #2

BLACK WIRE
TERMINAL #8 OR #3

RED/GREEN WIRE
TERMINAL #8 OR #3

RED/GREEN WIRE
TERMINAL #7
LIMITED WARRANTY

The Manufacturer warrants any component or part of the Coleman Hanna Car Wash Systems LLC equipment to be free from defects in material and workmanship for a period of one year from date of shipment, with the exception of such parts as are commonly recognized to be subject to wear in normal usage, such as high pressure hoses, swivels, nozzles, safety shut off guns, etc., which are warranted for ninety (90) days. All electrical parts not manufactured by Jim Coleman Company are warranted to be free from defects in material and workmanship for a period of 90 days. Electrical motors shall be covered under manufacturer's warranty for a period of one year, unless otherwise specified. Jim Coleman Company electronic controls, such as timers, coin acceptors and computer monitoring equipment, carry a one-year warranty. Claims under this warranty must be asserted in writing within the one-year period covered by this warranty.

Any component or part alleged to be defective in material or workmanship shall, at option of Manufacturer, be returned with shipping cost prepaid. If, upon examination, such component or part is found to be defective in workmanship or materials, Manufacturer, at its option, will either repair or replace such component or part, and shall ship such repaired or replaced component or parts F.O.B. factory, Houston, Texas. Manufacturer reserves the right to use “Like New” or Remanufactured parts in repair of warranty items that exceed 6 months in service. The cost of such replacement or repair shall be the exclusive remedy for any breach of any warranty and Manufacturer shall not be liable to any person for consequential damages for injury or commercial loss resulting from any breach of any warranty. This warrant does not cover any labor installation cost, either with respect to the original equipment, the repaired or replaced component, or part defective in workmanship or materials. Coleman Hanna Car Wash Systems LLC does not warrant loss of income should there be any during such time repairs are being made. Coleman Hanna Car Wash Systems LLC shall not be responsible for vehicle damage or repairs as may arise during normal wash cycle operation. Operator acknowledges accepted risks involved with friction in-bay automatic washes.

This warranty does not apply to components or parts which have been misused, altered, neglected, not installed, adjusted, maintained, or used in accordance with applicable codes and ordinances and in accordance with Manufacturer's recommendations as to such factors.

THIS WARRANTY IS IN LIEU OF ALL WARRANTIES, EXPRESS OR IMPLIED, OF EITHER MANUFACTURER OR SELLER, AND MANUFACTURER MAKES NO WARRANTY AGAINST INFRINGEMENT OF THE LIKE, MAKES NO WARRANTY OF MERCHANTABILITY, MAKES NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, AND MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING IMPLIED WARRANTY ARISING FROM COURSE OF DEALING OR USAGE OF TRADE.

This warranty does not apply to damage resulting from improper operation or abuse, exceeding the rated capacities of the unit, running foreign particles or non related solutions through pumps or valves, using acidic solutions, improper installation or maintenance, operational neglect, neglect of manufacturers recommended maintenance, use of water containing solids in excess of twenty microns in diameter or 2000 PPM, damage caused by customer, unjustifiable nuisance calls, or acts of God.

Compliance with any local governmental laws or regulations relating to the location, use or operation of the equipment, or its use in conjunction with other equipment, shall be the responsibility of the purchaser. The rights and obligations of the parties shall be governed by the State of Texas.