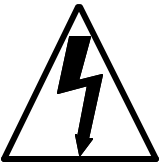
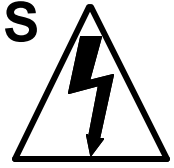


# PACER 30 VACUUM



## IMPORTANT SAFETY INSTRUCTIONS



READ AND UNDERSTAND ALL INSTRUCTIONS  
BEFORE OPERATING OR SERVICING MACHINE

**DANGER!** Failure to Observe These Instructions Can Cause Fire, Electrical Burn, Shock or Electrocution to Machine Operator or By-standers.

- \* When using an electrical appliance, basic precautions should always be followed, including the following:
- \* **NEVER** attempt to operate machine unless you have been trained in its operation.
- \* **NEVER** allow an untrained person to operate this machine.
- \* Use this machine **ONLY** as described in this manual.
- \* This vacuum cleaner is designed for DRY pickup only. **DO NOT** use on wet surfaces or for wet pickup. **DO NOT USE OUTDOORS.** Electric shock could occur.
- \* **NEVER** operate machine with a damaged, broken, cut, abraded, or taped cord or plug.
- \* **ALWAYS** connect machine to a properly grounded electrical outlet. See the following pages for grounding instructions and wiring diagram.
- \* **NEVER** leave machine unattended when plugged in. Unplug machine from electrical outlet when not in use end before attempting repairs or maintenance.
- \* **ALWAYS** turn machine OFF before unplugging from electrical outlet.
- \* **NEVER** operate machine in the presence of flammable or combustible liquids, such as gasoline, fumes or dusts.
- \* **NEVER** attempt to pick up flammable or combustible liquids, such as gasoline, fumes or dusts.
- \* **NEVER** handle machine, cord or plug with wet hands.
- \* **NEVER** drop or insert any object into any machine opening.
- \* **ALWAYS** keep face, fingers, hair or any body part, or loose clothing away from any machine opening or moving part; revolving brush.
- \* **NEVER** pick up anything that is burning or smoking, such as cigarettes, matches or hot ashes.
- \* **ALWAYS** use extreme care when cleaning on stairs or when machine is placed on stairs.
- \* **NEVER** operate machine if it is not working properly, if it has been dropped, damaged, exposed to weather, or dropped into water, Return machine to service center for examination and repair.
- \* **NEVER** operate machine with any air opening blocked. Keep all air openings free of dust, lint, hair and the like.
- \* **NEVER** operate machine without dustbag and/or filters in place.
- \* **DO NOT** pull or carry machine by electrical supply cord, use cord as a handle, close door on cord, pull cord around sharp edges or corners, expose to heated surfaces, or set heavy or sharp objects on cord.
- \* **NEVER** disconnect plug by pulling on cord. To disconnect from outlet, grasp the plug, not the cord.
- \* **DO NOT** allow to be used as a toy. Close attention is necessary when used by or near children.

SAVE THESE INSTRUCTIONS



**DANGER:** DO NOT ATTEMPT MAINTENANCE OR REPAIRS BEFORE DISCONNECTING CORD FROM ELECTRICAL POWER SOURCE. READ ALL INSTRUCTIONS AND FOLLOW ALL ILLUSTRATIONS CAREFULLY.

Follow grounding sequence of assembly as shown to ground machine and ensure safety to operator.

**FAILURE TO DO SO MAY CAUSE ELECTROCUTION** due to improper connection of ground.

Replacement cords must be U.L. Listed/CSA approved and be of the identical electrical specifications as the original equipment cord.

Check nameplate on machine to be sure voltage and cycle stated on nameplate is the same as voltage and cycle of electrical outlet. DO NOT attempt to plug a 115 volt machine into a 240 volt outlet or a 240 volt machine into a 115 volt outlet.

The grounding blade on the plug must remain intact if the machine is to be properly grounded when plugged in and operated. An ungrounded machine can cause shock to the operator. See Figure A.

If connecting to an outlet that accepts only two blades use an adapter as in Figure B. **NEVER REMOVE THE GROUNDING BLADE.**

When grounding blade on plug is broken, it is preferable to replace the whole cord.

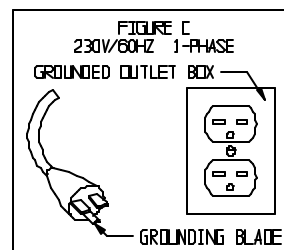
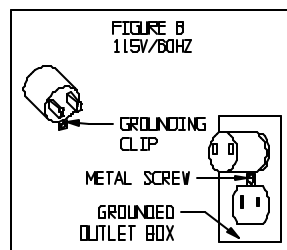
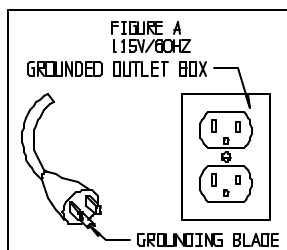
If you choose to replace 3-wire plug for 115 Volt use only U.L. Listed/CSA approved plug with rating of 125 Volt 15 amps (for 240 Volt use a 3-wire plug with rating consistent with voltage and amps required). Be sure that the green wire of the cord is connected to the green screw, and the black wire to gold screw of the replacement plug.

**ALWAYS** remember when replacing plug, that if the grounding wire (green) is connected to a live terminal at the machine or plug, the machine will become electrically charged and will result in electrical shock or electrocution.

If it is necessary to use the adapter shown in Figure B, the machine is only properly grounded if the adapter's green colored clip is tied under a metal screw that holds electrical outlet cover to the wall.

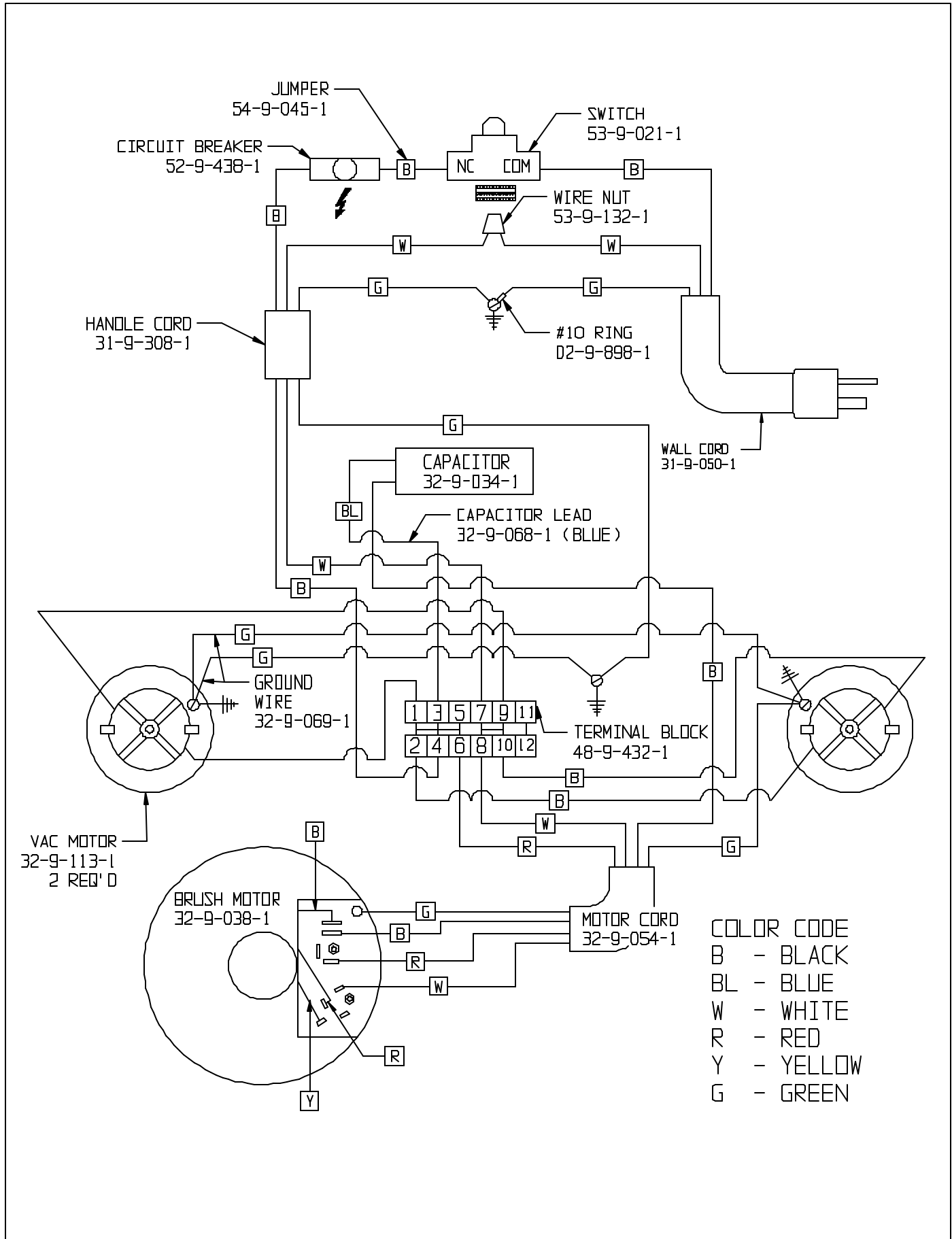
Figure C. Machine used on 240 volt may or may not have the grounding (earthed) plug attached to the cord. For U.S.A. 240 volt 60 HZ, the plug is already supplied with cord. For use outside the U.S.A., it may be up to the purchaser to have a proper grounding (earthed) plug attached.

Always use a properly grounded 3-wire extension cord which has male and female plugs. Use only 14-3 ST or SO type extension cord for a total cord length up to 100 feet.



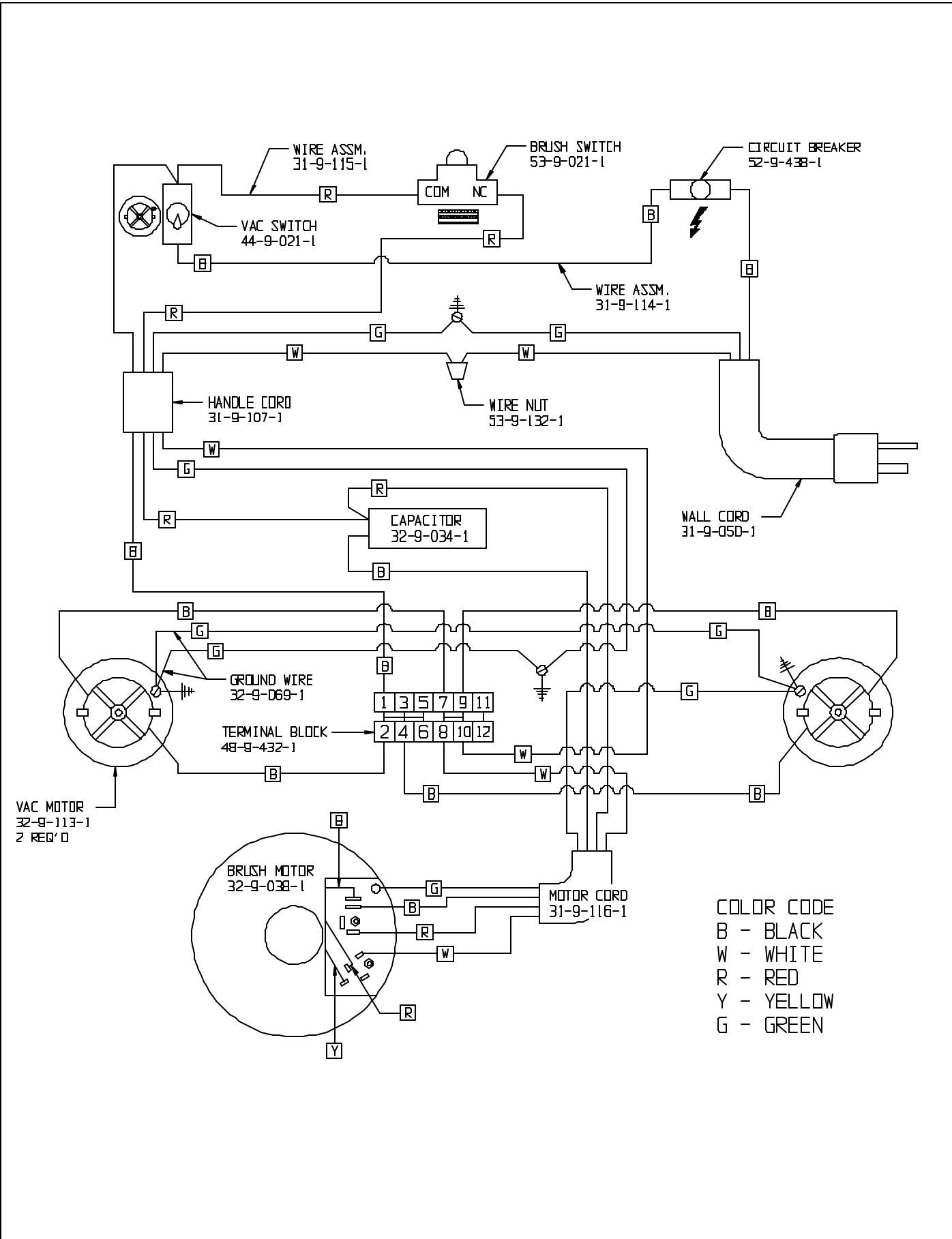
NOTE: IN CANADA, THE USE OF A TEMPORARY ADAPTOR IS NOT PERMITTED BY CANADIAN ELECTRICAL CODE.

# WIRING DIAGRAM 115 VOLT



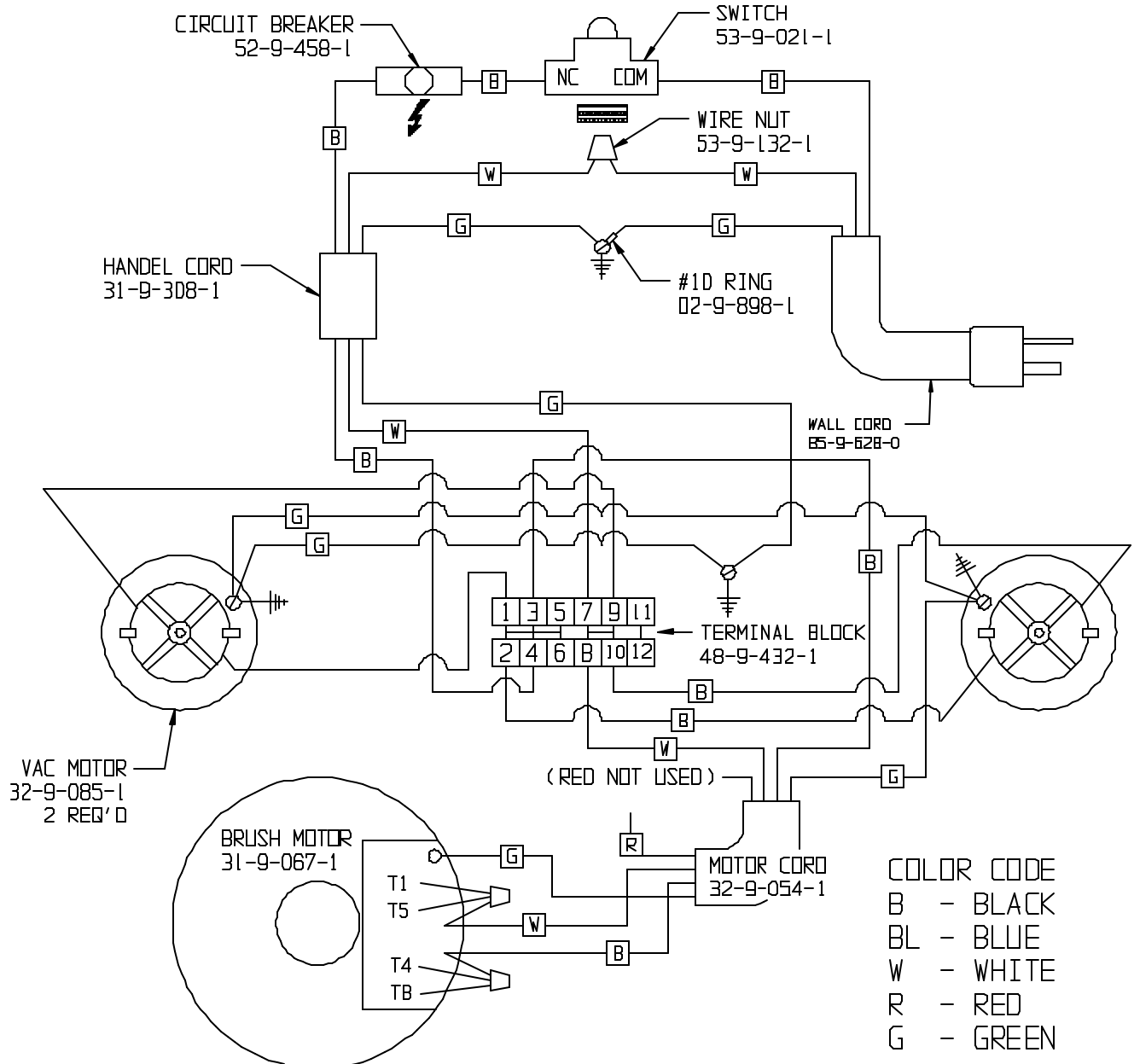
- COLOR CODE**
- B - BLACK
  - BL - BLUE
  - W - WHITE
  - R - RED
  - Y - YELLOW
  - G - GREEN

# WITH WAND WIRING DIAGRAM 115 VOLT

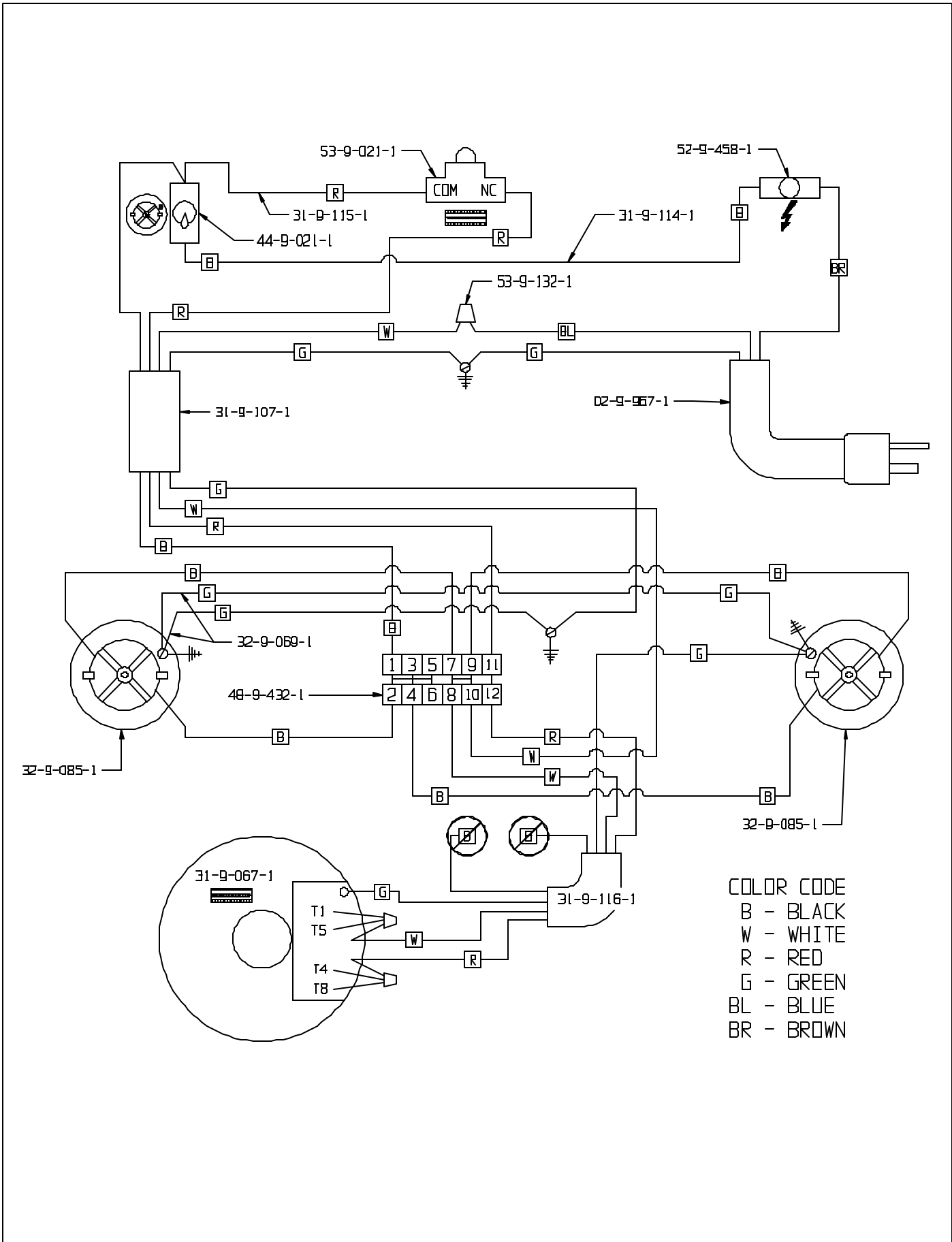


**COLOR CODE**  
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 W - WHITE  
 R - RED  
 Y - YELLOW  
 G - GREEN

# WIRING DIAGRAM 220-240 VOLT

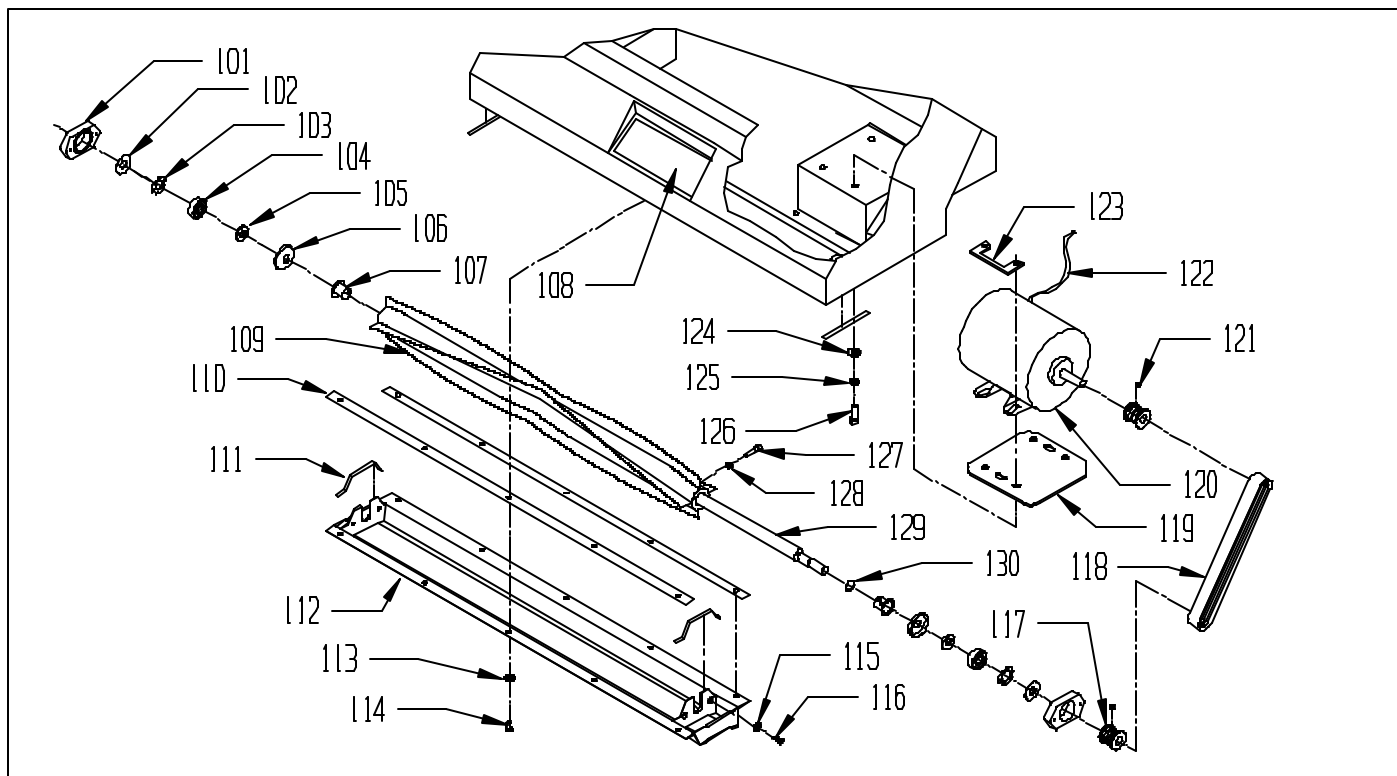


**WITH WAND WIRING DIAGRAM 220-240 VOLT**



COLOR CODE  
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 W - WHITE  
 R - RED  
 G - GREEN  
 BL - BLUE  
 BR - BROWN

## BRUSH AND SHOE



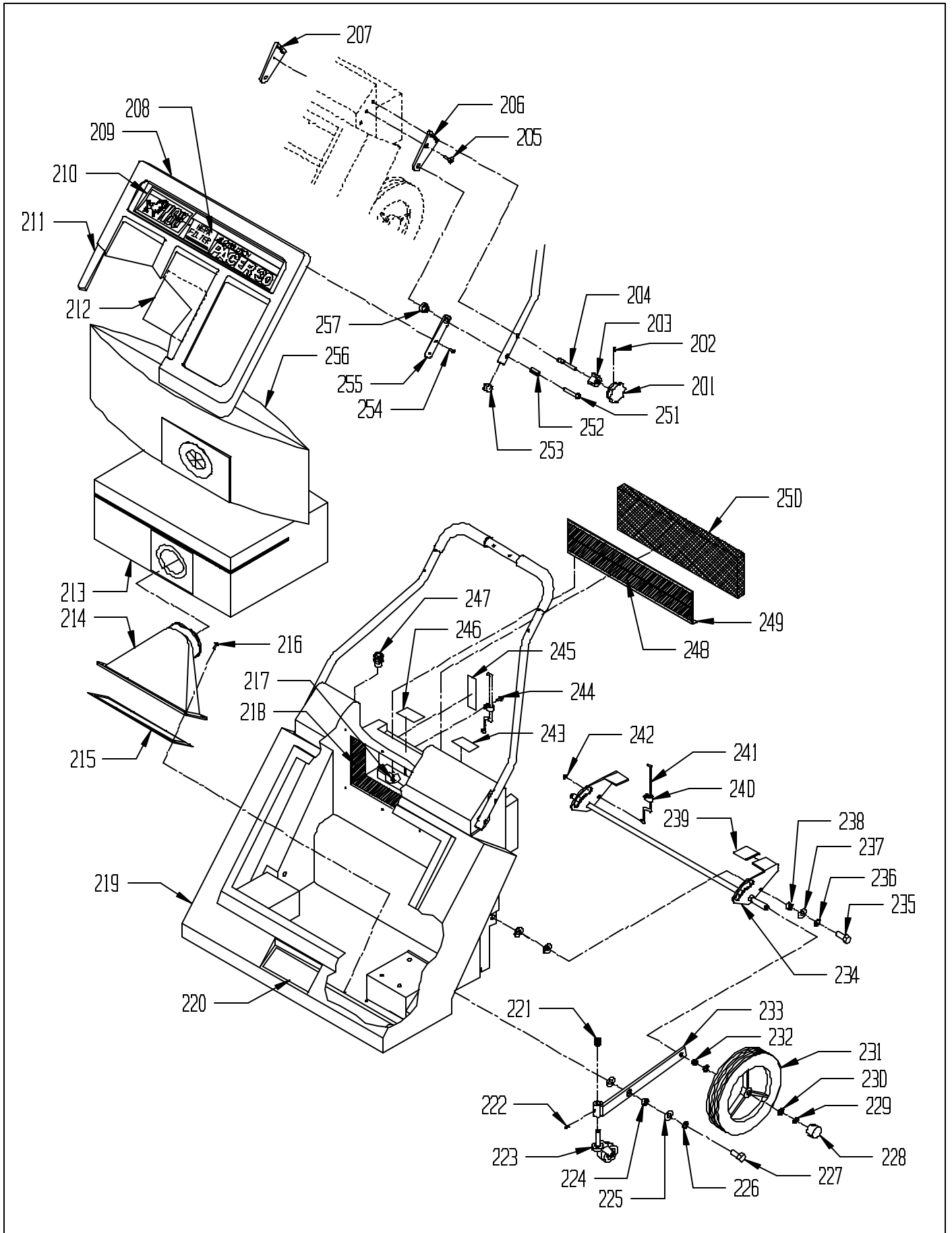
<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
101	31-9-018-2	BEARING BLOCK - MACHINED	2
102	34-9-066-1	SHIM WASHER	2
103	34-9-073-1	THRUST SPRING	2
104	10-9-992-1	BEARING	2
105	31-9-061-6	BEARING SPACER - PLATED	2
106	31-9-019-1	STRING GUARD - PLATED	2
107	31-9-060-1	NYLINER, 12L12F THOMSON	2
108	31-9-059-1	WARNING LABEL	1
109	31-9-016-1	BRUSH	1
	31-9-016-9	BRUSH ASSEMBLY (INCLUDES ITEMS 104-107,109,128-130)	1
110	88-9-118-0	GASKET - 1 X 1/4 NEOPRENE	2
111	31-9-043-1	GASKET SET - NEOPRENE (SHOE GASKET)	4
112	31-9-005-1	SHOE	1
	31-9-669-1	BRUSH WITH SHOE ASSEMBLY (INCLUDES ITEMS 101-107,10 9-111,117,128-130)	1
113	91-2-097-0	1/4 EXTERNAL STAR LOCK WASHER	10
114	91-2-109-0	1/4-20 X 1/2 TRUSS HEAD PHILLIPS MACHINE SCREW	10
115	91-2-034-0	10 COUNTERSUNK EXTERNAL STAR LOCK WASHER	4
116	91-2-055-0	10-24 X 5/8 FLAT HEAD PHILLIPS MACHINE SCREW	4
117	31-9-021-1	PULLEY WITH SET SCREW	2
118	32-9-026-1	PACER 28/30 BELT, POLY V-GROOVE	1
119	31-9-071-3	MOTOR SUPPORT PLATE - PAINTED	1
120	32-9-038-1	BRUSH DRIVE MOTOR - 1/3 H.P. - 115 VOLT	1
	31-9-067-1	BRUSH DRIVE MOTOR - 1/3 H.P. - 240 VOLT	1
121	91-2-084-0	1/4-20 X 3/16 SET SCREW - KNURL POINT	2
122	32-9-054-1	CORD - BRUSH DRIVE MOTOR	1
123	32-9-104-6	MOTOR TAPPING PLATE - PLATED	2
124	91-2-140-0	3/8 I.D. X 7/8 O.D. X .064/.104 THICK WROUGHT WASHER (5/16)	4
125	91-2-152-0	5/16 SPLIT LOCK WASHER	4
126	91-2-168-0	5/16-18 X 1 HEX BOLT	4
127	91-2-098-0	1/4-20 X 1 SOCKET HEAD CAP SCREW	2
128	31-9-020-6	BRUSH SPACER - PLATED	2
129	31-9-017-8	BRUSH SHAFT - COMPLETE	1
130	31-9-313-1	BRUSH SHAFT "O" RING	1

## **BODY**

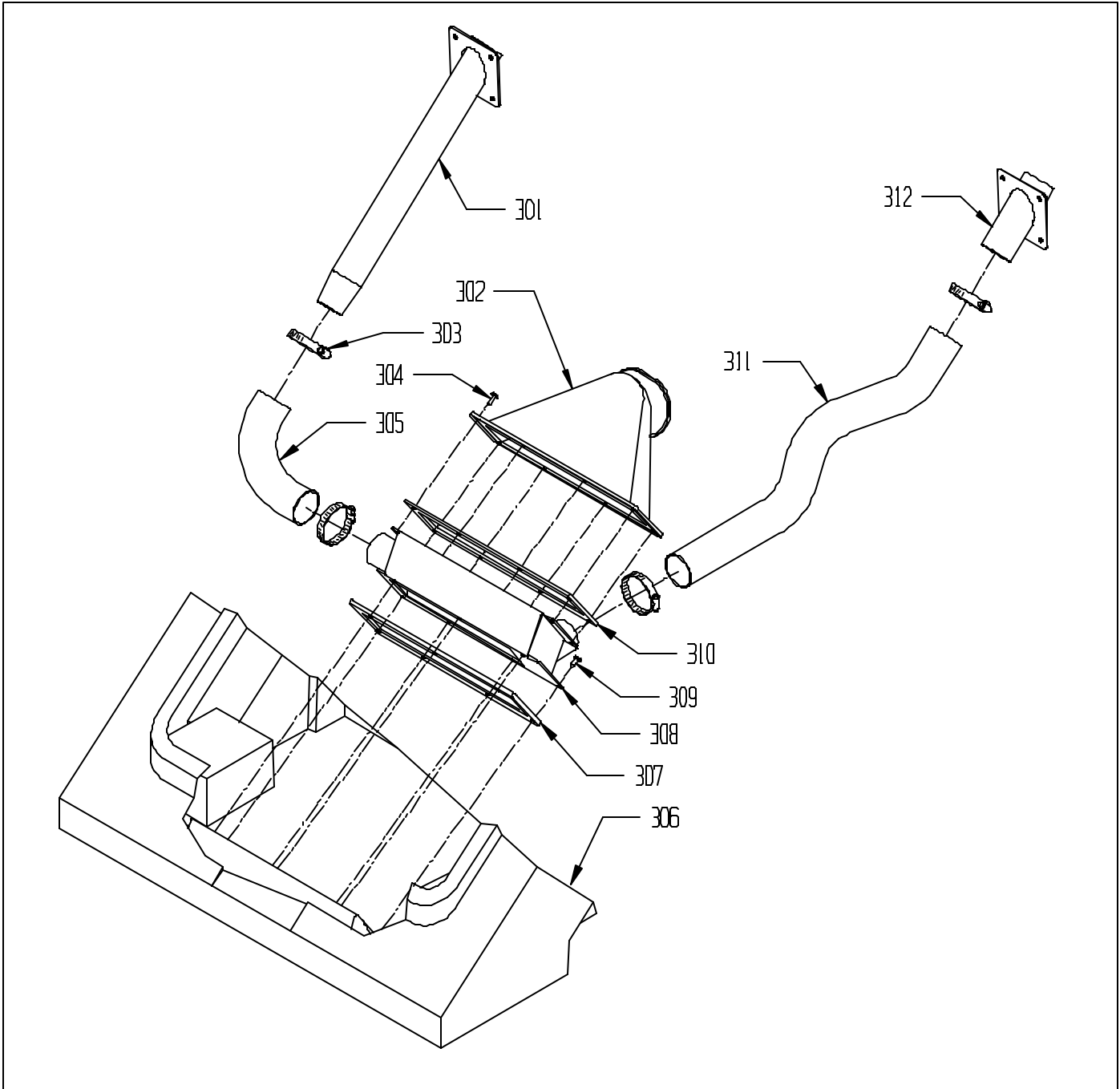
<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY.</u>
201	31-9-029-1	KNOB, HANDLE LOCKING, WITH SET SCREW	2
202	91-2-065-0	10-32 X 3/4 SET SCREW - CUP POINT	2
203	31-9-030-3	HANDLE CLAMP - PAINTED	2
204	31-9-028-6	HANDLE LOCKING BOLT	2
205	91-2-203-5	3/8-16 X 3/4 FLAT HEAD PHILLIPS MACHINE SCREW	2
206	31-9-143-1	BRACKET - LEFT, HANDLE ADJUSTMENT	1
207	31-9-142-1	BRACKET - RIGHT, HANDLE ADJUSTMENT	1
208	31-9-302-1	HEPA FILTER DECAL, CLEAR	1
209	31-9-002-1	LID	1
210	31-9-040-1	DECAL - LID	1
211	88-9-110-0	GASKET MATERIAL - 1/2 X 1"	7.5
212	31-9-309-1	DECAL, 115 VOLT WIRE DIAGRAM	1
213	32-9-029-1	CLOTH FILTER BAG	1
214	31-9-004-1	INTAKE	1
215	31-9-043-1	GASKET SET - NEOPRENE	1
216	91-2-079-0	10 X 5/8 PAN HEAD PHILLIPS SHEET METAL SCREW	8
217	91-2-081-0	10 X 1/2 PAN HEAD PHILLIPS SHEET METAL SCREW	4
218	86-9-101-0	2 1/4" X 3/8" FELT. PSA	7
219	31-9-001-1	BODY	1
220	31-9-059-1	WARNING LABEL	1
221	31-9-051-1	SPRING - LEFT CASTER	1
	31-9-052-1	SPRING - RIGHT CASTER (NOT SHOWN)	1
222	91-2-086-0	1/4-20 X 3/8 SET SCREW - CUP POINT	2
223	31-9-037-1	CASTER	2
224	44-9-279-6	PIVOT BUSHING - PLATED	2
225	91-2-245-0	7/16 I.D. X 1 1/16 O. D. X .074/.121 THICK SAE FLAT WASHER ( 1/2)	4
226	91-2-242-0	1/2 SPLIT LOCK WASHER	2
227	27-9-046-1	1/2-13 X 1 1/4 HEX HEAD BOLT	2
228	05-9-931-1	HUB CAP, PLASTIC - BLACK	2
229	50-9-170-1	RETAINING RING	2
230	10-9-987-1	FLAT WASHER	4
231	05-9-926-1	WHEEL - 10" WHITE PLASTIC	2
232	50-9-171-1	WHEEL SPRING	2
233	31-9-010-1	LEFT PIVOT ASSEMBLY WITH SCREW	1
	31-9-011-1	RIGHT PIVOT ASSEMBLY WITH SCREW (NOT SHOWN)	1
234	31-9-022-6	AXLE ASSEMBLY - COMPLETE	1
235	27-9-046-1	1/2-13 1 1/4 HEX HEAD BOLT	2
236	91-2-242-0	1/2 SPLIT LOCK WASHER	2
237	91-2-245-0	7/16 I.D. X 1 1/16 O. D. X .074/.121 THICK SAE FLAT WASHER ( 1/2)	4
238	44-9-279-6	PIVOT BUSHING - PLATED	2
239	31-9-054-1	FOOT PEDAL GRIP	2
240	48-9-407-1	CLAMP, .437 DIA. CABLE, HEYCO	1
241	31-9-048-1	HEIGHT INDICATOR ROD	1
242	31-9-065-1	1/4 RETAINING RING	1
243	01-9-077-1	WARNING LABEL	1
244	91-2-053-0	10-24 X 7/8 TRUSS HEAD PHILLIPS MACHINE SCREW	3
245	31-9-042-1	DECAL - BRUSH HEIGHT	1246
01-9-078-1		GROUNDING LABEL	1
247	86-9-101-0	2 1/4 X 3/8" FELT, PSA	7
248	31-9-009-3	BAFFLE PLATE - PAINTED	1
249	31-9-033-1	FOAM FILTER	1
250	91-2-204-5	3/8-16 X 2 1/4 FULL THREAD ROUND HEAD SLOT MACHINE SCREW	2
251	06-9-066-1	PIVOT SPACER	2
252	06-9-076-1	PLUG BUTTON	2
253	91-2-081-0	10 X 1/2 PAN HEAD PHILLIPS SHEET METAL SCREW	4
254	31-9-027-1	LID HINGE	2
255	32-9-082-1	6-PACK PAPER FILTER BAGS	1
256	31-9-026-6	HANDLE PIVOT - PLATED	2



# BODY

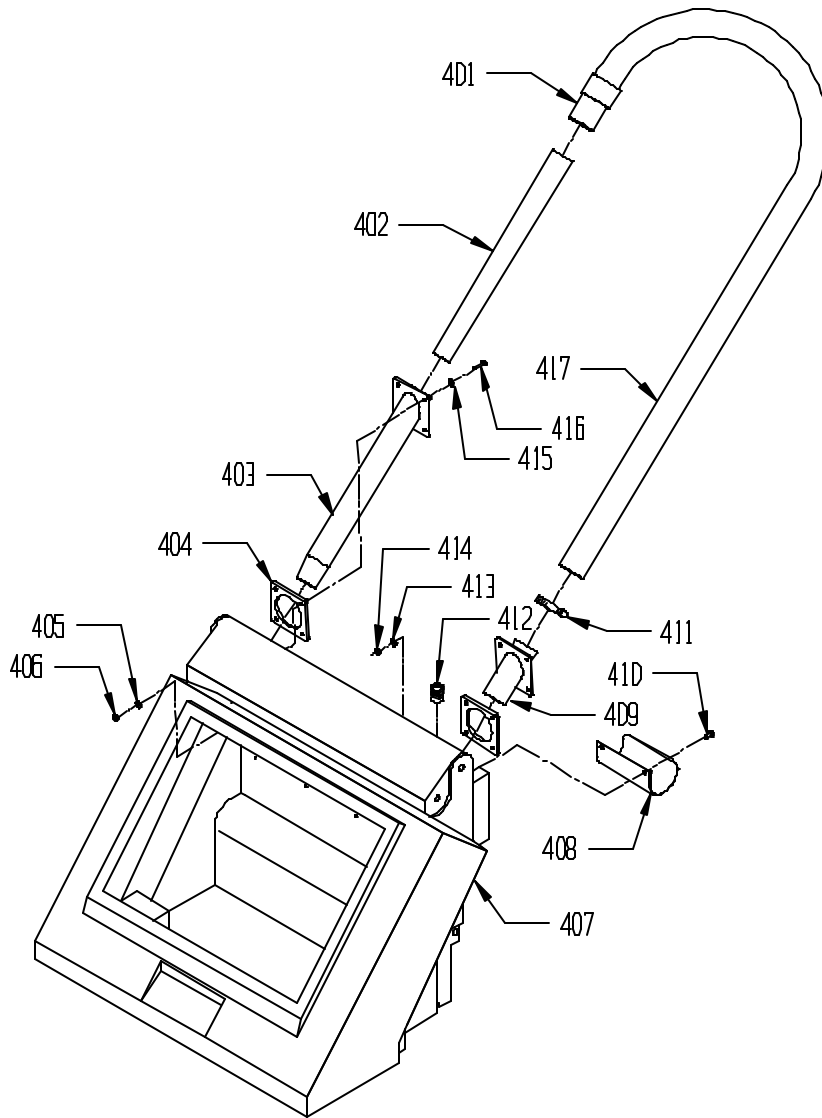


## WAND - AIR BOX AND HOSES



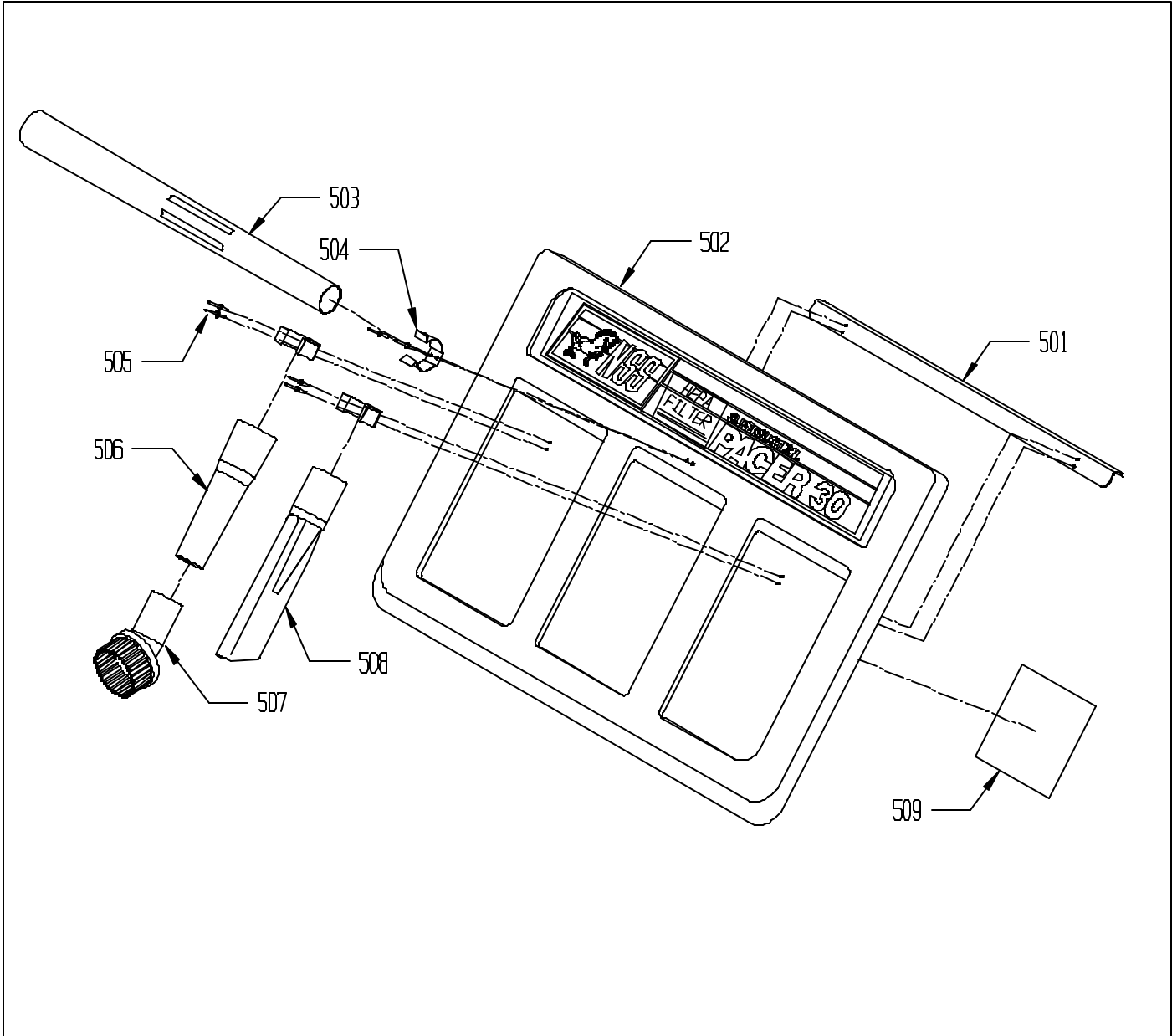
<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY.</u>
301	31-9-082-3	WAND HOLDER TUBE	1
302	31-9-004-1	INTAKE	1
303	44-9-544-1	HOSE CLAMP, 1 9/16" - 2 1/2" DIA.	3
304	91-2-052-0	10-24 X 5/8 TRUSS HEAD PHILLIPS MACHINE SCREW	8
305	31-9-084-1	HOSE, AIR BOX TO WAND HOLDER TUBE	1
306	31-9-104-1	BODY W/WAND MOUNTING HOLES	1
307	31-9-087-1	GASKET, AIR BOX TO BODY	1
308	31-9-081-3	AIR BOX, ACCESSORY WAND	1
309	91-2-079-0	10 X 5/8 PAN HEAD PHILLIPS SHEET METAL SCREW	7
310	31-9-043-1	GASKET SET - NEOPRENE	1
311	31-9-085-1	HOSE, AIR BOX TO CONNECTOR	1
312	31-9-083-3	HOSE CONNECTOR	1

## WAND AND HOSE



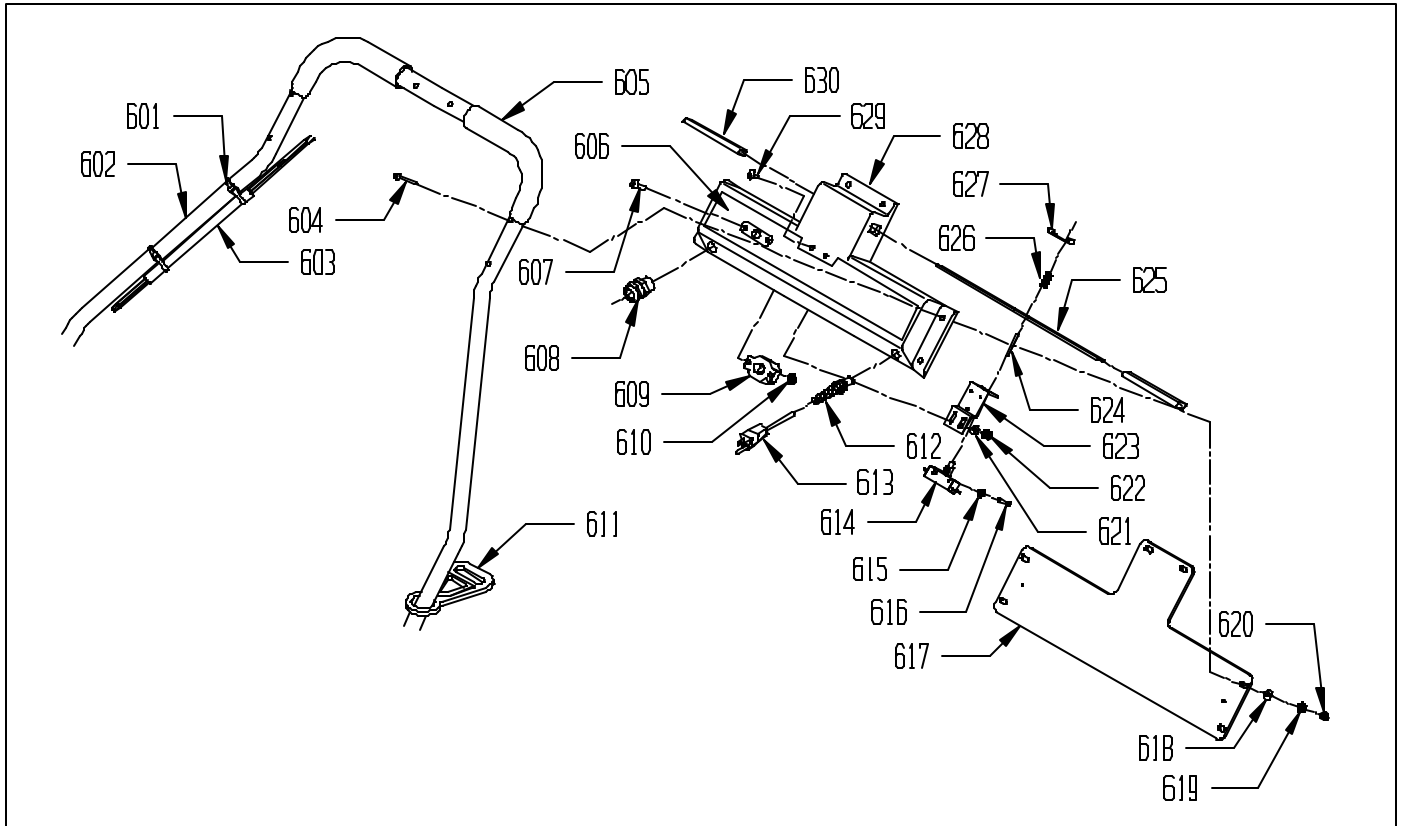
<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY.</u>
401	25-9-039-1	2" HOSE CUFF	1
402	57-9-032-1	WAND (HI-UP TUBE)	2
403	31-9-082-3	WAND HOLDER TUBE	1
404	31-9-088-1	GASKET, WAND HOLDER & HOSE CONNECTOR	2
405	91-2-093-0	9/32 I.D. X 5/8 O.D. X /051/.080 THICK SAE FLAT WASHER	8
406	91-2-091-0	1/4-20 HEX NUT WITH STAR LOCK WASHER	8
407	31-9-038-1	STRAIN RELIEF, NON FLEXABLE	1
408	31-9-117-1	HOSE BRACKET	1
409	31-9-083-3	HOSE CONNECTOR	1
410	91-2-100-0	1/4-20 X 5/8 TRUSS HEAD PHILLIPS MACHINE SCREW	2
411	44-9-544-1	HOSE CLAMP, 1 9/16" TO 2 1/2" DIAMETER.	1
412	31-9-038-1	STRAIN RELIEF, NON FLEXIBLE	1
413	91-2-093-0	9/32 I.D. X 5/8 O.D. X /051/.080 THICK SAE FLAT WASHER	2
414	91-2-091-0	1/4-20 HEX NUT WITH STAR LOCK WASHER	2
415	91-2-093-0	9/32 I.D. X 5/8 O.D. X /051/.080 THICK SAE FLAT WASHER	8
416	91-2-127-0	1/4-20 X 1 HEX BOLT	8
417	31-9-086-1	HOSE, CONNECTOR TO WAND	1

## LID WITH TOOLS



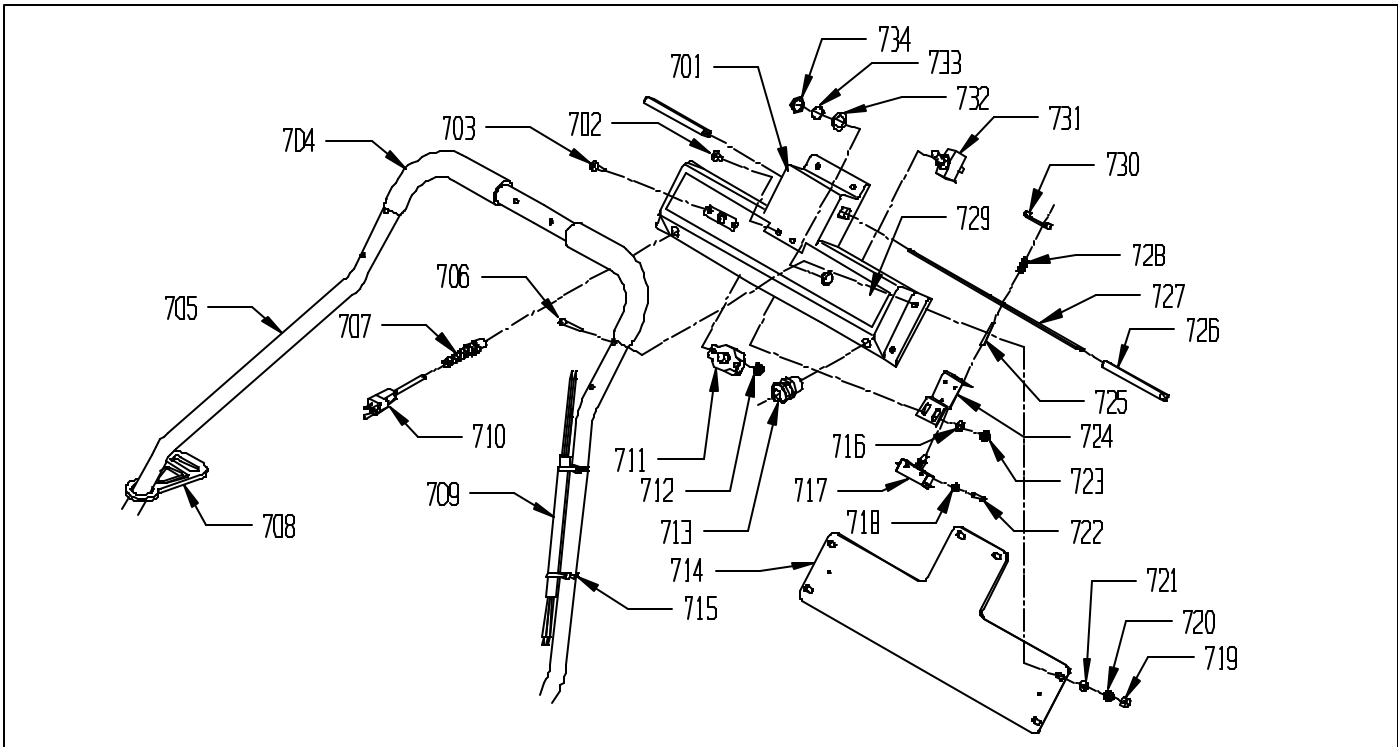
<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY.</u>
501	31-9-110-1	LID SUPPORT	1
502	31-9-109-1	LID	1
503	57-9-032-1	WAND (HI-UP TUBE)	2
504	23-9-213-1	SPRING CLIP	3
505	23-9-175-1	POP RIVET	
506	57-9-031-1	REDUCER TUBE, 1.75 TO 1.375	1
507	57-9-011-1	2.5 ROUND BRUSH	1
508	57-9-029-1	CREVICE TOOL	1
509	31-9-108-1	115 V WIRING DIAGRAM DECAL	1
	31-9-113-1	230 V WIRING DIAGRAM DECAL	1
N/S	31-9-109-3	ACCESSORY TOOL KIT (INCL. 503, 506, 507, & 508)	

# HANDLE



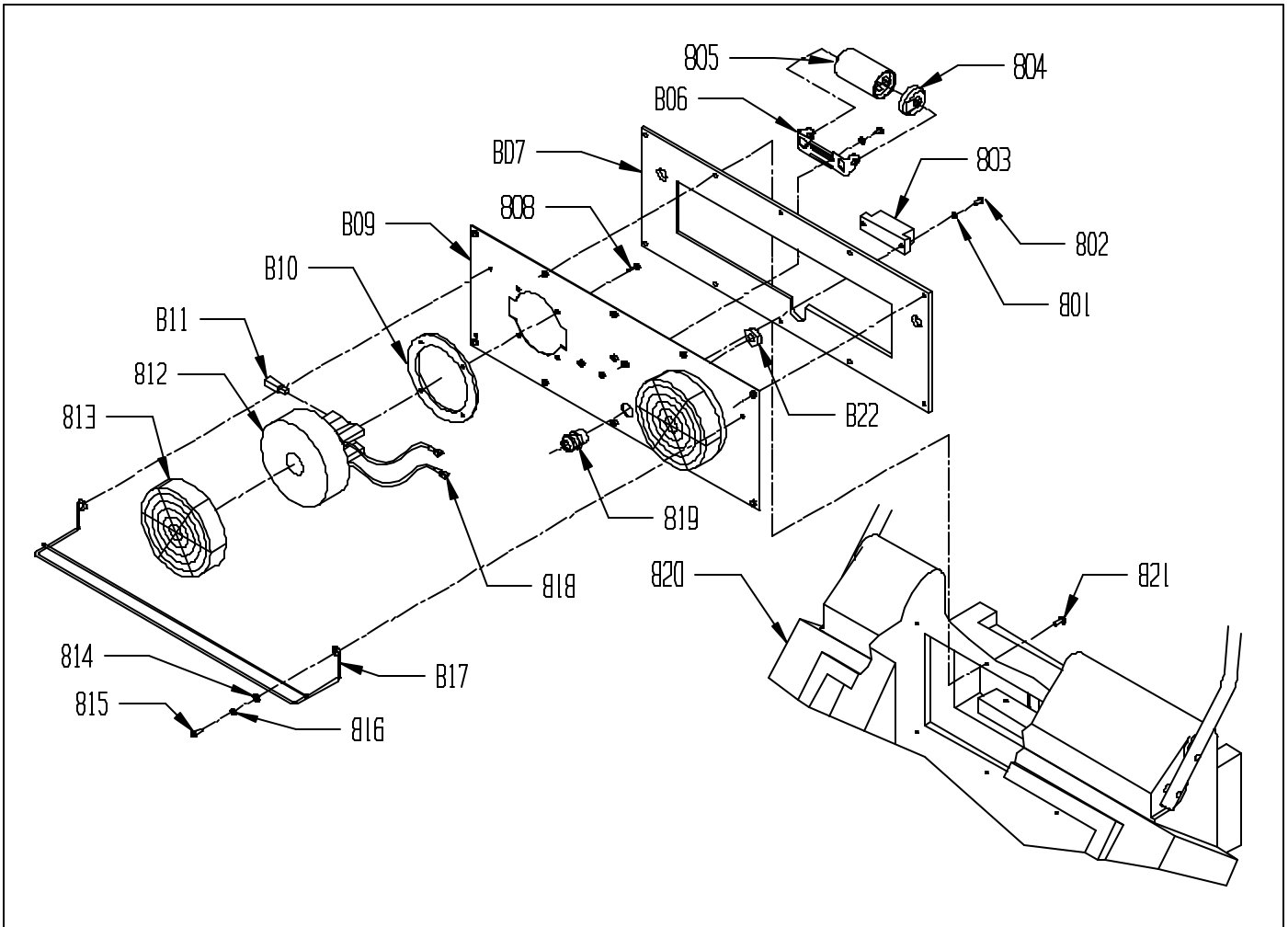
<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY.</u>
601	31-9-062-1	CABLE TIE	2
602	31-9-141-1	HANDLE	1
603	31-9-308-1	HANDLE CORD	1
604	91-2-043-0	10-24 X 3/4 ROUND HEAD PHILLIPS MACHINE SCREW	6
605	31-9-015-1	HANDLE GRIP - BLACK	2
606	31-9-041-1	DECAL, SWITCH BOX	1
607	91-2-053-0	10-24 X 7/8 TRUSS HEAD PHILLIPS MACHINE SCREW	2
608	31-9-038-1	STRAIN RELIEF, NON - FLEXABLE	3
609	52-9-438-1	17 1/2 AMP. CIRCUIT BREAKER (115 VOLT)	1
	52-9-458-1	8 AMP CIRCUIT BREAKER (240 VOLT)	1
610	91-2-036-0	10-24 HEX NUT WITH STAR LOCK WASHER	2
611	31-9-057-1	STRAIN RELIEF - TYPE 530	1
612	02-9-953-1	STRAIN RELIEF	1
613	31-9-050-1	WALL CORD - 75 FT. (115 VOLT)	1
	02-9-967-1	SHUKO CORD 75 FT. 16-3 (240 VOLT W/ SHUKO)	1
614	53-9-021-1	SWITCH	1
615	91-2-004-0	6 EXTERNAL STAR LOCK WASHER	2
616	91-2-009-0	6-32 X 7/8 PAN HEAD PHILLIPS MACHINE SCREW	2
617	31-9-035-1	CONTROL PANEL PLATE	1
618	02-9-141-1	CAP NUT / ACORN HEX 10-24	6
619	91-2-037-0	7/32 I.D. X 1/2 O.D. X .032/.065 THICK SAE FLAT WASHER (#10)	6
620	91-2-036-0	10-24 HEX NUT WITH STAR LOCK WASHER	6
621	91-2-037-0	7/32 I.D. X 1/2 O.D. X .032/.065 THICK SAE FLAT WASHER (#10)	2
622	91-2-036-0	10-24 HEX NUT WITH STAR LOCK WASHER	2
623	31-9-032-1	SWITCH BRACKET - PLATED	1
624	31-9-056-1	ROLL PIN 1/8 DIA., 1 1/4 LONG	2
625	31-9-031-3	SWITCH LEVER - PAINTED	1
626	53-9-017-1	SWITCH LEVER SPRING	2
627	31-9-053-1	ROLL PIN GUIDE	1
628	31-9-034-1	CONTROL PANEL	1
629	91-2-051-0	10-24 X 1/2 TRUSS HEAD PHILLIPS MACHINE SCREW	2
630	53-9-054-1	GRIP, SWITCH LEVER	2

## HANDLE FOR WAND



ITEM	PART NO	DESCRIPTION	QTY
701	31-9-034-1	CONTROL PANEL	1
702	91-2-051-0	10-24 X 1/2 TRUSS HEAD PHILLIPS MACHINE SCREW	2
703	91-2-053-0	10-24 X 7/8 TRUSS HEAD PHILLIPS MACHINE SCREW	2
704	31-9-015-1	HANDLE GRIP - BLACK	2
705	31-9-141-1	HANDLE	1
706	91-2-043-0	10-24 X 3/4 ROUND HEAD PHILLIPS MACHINE SCREW	6
707	02-9-953-1	STRAIN RELIEF	1
708	31-9-057-1	STRAIN RELIEF - TYPE 530	1
709	31-9-107-1	HANDLE CORD	1
710	31-9-050-1	WALL CORD - 75 FT. (115 VOLT)	1
	02-9-967-1	SHUKO CORD 75 FT. 16-3 (240 VOLT W/ SHUKO)	1
711	52-9-438-1	17 1/2 AMP. CIRCUIT BREAKER (115 VOLT)	1
	52-9-458-1	8 AMP CIRCUIT BREAKER (240 VOLT)	1
712	91-2-036-0	10-24 HEX NUT WITH STAR LOCK WASHER	2
713	31-9-038-1	STRAIN RELIEF, NON - FLEXABLE	1
714	31-9-035-1	CONTROL PANEL PLATE	1
715	31-9-062-1	CABLE TIE	2
716	91-2-037-0	7/32 I.D. X 1/2 O.D. X .032/.065 THICK SAE FLAT WASHER (10)	2
717	53-9-021-1	SWITCH	1
718	91-2-004-0	6 EXTERNAL STAR LOCK WASHER	2
719	02-9-141-1	CAP NUT / ACORN HEX 10-24	6
720	91-2-036-0	10-24 HEX NUT WITH STAR LOCK WASHER	6
721	91-2-037-0	7/32 I.D. X 1/2 O.D. X .032/.065 THICK SAE FLAT WASHER (10)	6
722	91-2-009-0	6-32 X 7/8 PAN HEAD PHILLIPS MACHINE SCREW	2
723	91-2-036-0	10-24 HEX NUT WITH STAR LOCK WASHER	2
724	31-9-032-1	SWITCH BRACKET - PLATED	1
725	31-9-056-1	ROLL PIN 1/8 DIA., 1 1/4 LONG	2
726	53-9-054-1	GRIP, SWITCH LEVER	2
727	31-9-031-3	SWITCH LEVER - PAINTED	1
728	53-9-017-1	SWITCH LEVER SPRING	2
729	31-9-106-1	DECAL, SWITCH BOX	1
730	31-9-053-1	ROLL PIN GUIDE	1
731	44-9-110-1	TOGGLE SWITCH	1
732	10-9-987-1	FAN WASHER	1
733	06-9-185-1	SWITCH LOCK WASHER	1
734	07-9-882-1	5/8" HEX NUT (LARGE NUT)	1

# VACUUM MOTORS

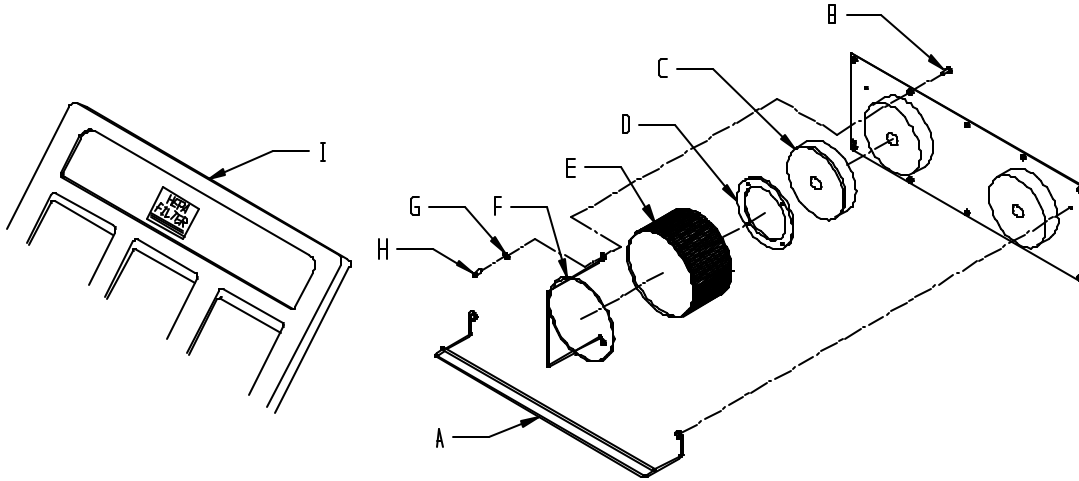


<u>ITEM</u>	<u>PART NO</u>	<u>DESCRIPTION</u>	<u>QTY</u>
801	91-2-032-0	10 SPLIT LOCK WASHER	2
802	91-2-044-0	10-24 X 7/16 ROUND HEAD PHILLIPS MACHINE SCREW	2
803	48-9-432-1	TERMINAL BLOCK	1
804	31-9-304-1	CAPACITOR END CAP (115 VOLT ONLY)	1
805	32-9-034-1	MOTOR CAPACITOR (115 VOLT ONLY)	1
806	31-9-303-1	CAPACITOR CLAMP (115 VOLT ONLY)	1
807	31-9-043-1	GASKET SET, NEOPRENE (VAC MOTOR PLATE)	1
808	91-2-061-0	10-24 X 5/8 PAN HEAD PHILLIPS THREAD CUTTING SCREW	8
809	31-9-306-3	VAC MOTOR PLATE, PAINTED	1
810	46-9-010-1	VAC MOTOR / FLOAT GASKET	2
811	02-9-933-1	CARBON BRUSH	4
812	32-9-113-1	VAC MOTOR 115 VOLT, PACER 30 / 28	2
	32-9-085-1	VAC MOTOR 230 VOLT, PACER 30 / 28	2
813	32-9-112-1	FAN FILTER (NON - HEPA ONLY)	2
814	91-2-037-0	7/32 I.D. X 1/2 O.D. X .032/.065 THICK SAE FLAT WASHER (10)	2
815	91-2-042-0	10-24 X 5/8 ROUND HEAD PHILLIPS MACHINE SCREW	2
816	91-2-032-0	10 SPLIT LOCK WASHER	2
817	32-9-072-6	BAG GUARD - PLATED (NON - HEPA ONLY)	1
818	32-9-067-1	PUSH ON TERMINAL, #BB-8141	4
819	31-9-038-1	STRAIN RELIEF, NON - FLEXABLE	1
820	31-9-001-1	BODY	1
821	91-2-052-0	10-24 X 5/8 TRUSS HEAD PHILLIPS MACHINE SCREW	9
822	08-9-113-1	PLASTIC STRAIN RELIEF NUT	1

## HEPA FILTER RETROFIT ASSEMBLY 31-9-073-9

# WARNING!

THIS MACHINE OPTION IS NOT FOR USE IN ASBESTOS OR HAZARDOUS WASTE REMOVAL



ITEM	PART NO.	DESCRIPTION	QTY
A	32-9-072-6	BAG GUARD - PLATED	1
-	91-2-052-0	10-24 X 5/8 TRUSS HEAD PHILLIPS MACHINE SCREW (DISCARD)	4
B	91-2-053-0	10-24 X 7/8 TRUSS HEAD PHILLIPS MACHINE SCREW	4
C	32-9-112-1	FOAM FILTERS	2
D	46-9-010-1	VAC MOTOR/FLOAT GASKET	2
E	67-9-311-1	HEPA FILTER	2
F	31-9-305-1	HEPA FILTER MOUNTING BRACKET	2
G	91-2-037-0	7/32 I.D. X 1/2 O.D. X .032/.065 THICK SAE FLAT WASHER (10)	4
H	91-2-032-0	10 SPLIT LOCK WASHER	4
I	31-9-302-1	HEPA FILTER DECAL, CLEAR	1

### RETROFIT PROCEDURE:

1. Disconnect the machine power cord from the electrical outlet.
2. Open the lid and remove the cloth filter bag, set aside.
3. Remove the 2 screws that hold the bag guard rod (A), discard the rod. Reinstall both of the screws in order to secure the motor mount plate.
4. Remove the foam filters (C), from each motor, and discard the filters.
5. Remove one screw (B) from above and one from below for each vacuum motor, discard the screws. Replace the four screws (B) with the four 10-24 x 7/8 Truss head Phillips screws provided in the kit.
6. ~~Remove the protective paper from the gaskets (D), to expose the selfadhesive strip. Center~~ gasket on the face of **each** vacuum motor and press firmly in place.
7. Center the hepa filter (E) on the gasket and hold in place. Slide the mounting bracket (F) over the filter and align with the screws (B). Secure the bracket with the washer (G) and hex nut (H). Repeat this step for the second vacuum motor.
8. Reinstall the cloth filter bag and close the lid.
9. Apply the HEPA filter decal to the lid decal between the "NSS" logo and the "PACER 30" logo.



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