



POLIVAC MM1700E AUTO SCRUBBER



Operations Manual & Trouble Shooting Guide

OPERATIONS MANUAL

Polivac MM1700E Auto Scrubber

Product Summary

The 1700E auto Scrubber from Polivac International automatically lays a solution on the floor, scrubs, then collects the dirty solution in one pass, via the vacuum squeegee at the rear of the machine.

The solution holding component, which is located in the front half of the large polypropylene tank holds 20 litres of fluid. The recovery component, located in the rear of the large tank also holds 20 litres of solution picked up from the vacuum squeegee.

Pads or brushes can be used with the machine, which can be connected using the quick release system for ease of use. Instructions for attaching this component are listed in the operating procedure below.

The machine is powered by a 550 watt, 240 volt 4 pole motor, driving a single reduction helical gear, completely encased in an oil filled gear box.

OPERATING INSTRUCTIONS

1. Ensure that the power is on, and that extension cords are not used. The metal clip at the machine end of the power cord is to place in the operator's pocket, rather than placing the entire cord over the shoulder.
2. Place the brush/pad holder flat on the floor. Move the machine over the brush/pad, placing the shaft of the motor inside the hub of the brush/pad. Make sure that the shaft is centred in the middle of the hub.
3. Pull on either of the red triggers, and the shaft will engage the brush/pad and lock on automatically. To release the brush/pad, tilt the machine back and give a swift flick of the trigger. The brush/pad will automatically become disengaged.
4. Once the brush/pad is engaged and the machine trigger left on, the 1700E will move along slowly by itself, via the Poliflow forward propulsion system.
5. To operate the vacuum, move the lever on top of the polypropylene tank to the left. The squeegee will drop down and the vacuum will automatically start.
6. To release fluid from the solution tank, pull the solution knob on the left of the tank upwards. This will release a valve and fluid will be deposited onto the floor. Make sure this is pushed in when you want to decrease or stop the solution being laid. You are now using the 1700E auto-scrubber.
7. When you are finished the job, ensure the recovery tank is emptied, via the clear hose situated on the right of the tank. A bucket is best to use for this. Simply unscrew the top valve and the fluid will pour out. Rinse out the recovery tank with a hose and repeat the process to ensure machine long life.
8. If you have cleaning solution left in the front tank, simply pull up the solution knob and position the 1700E over a gutter. Alternatively, the hose to the brush/pad can be pulled out and the solution be poured into a bucket for next time.

1700E AUTO SCRUBBER GENERAL INSTRUCTIONS

DO'S

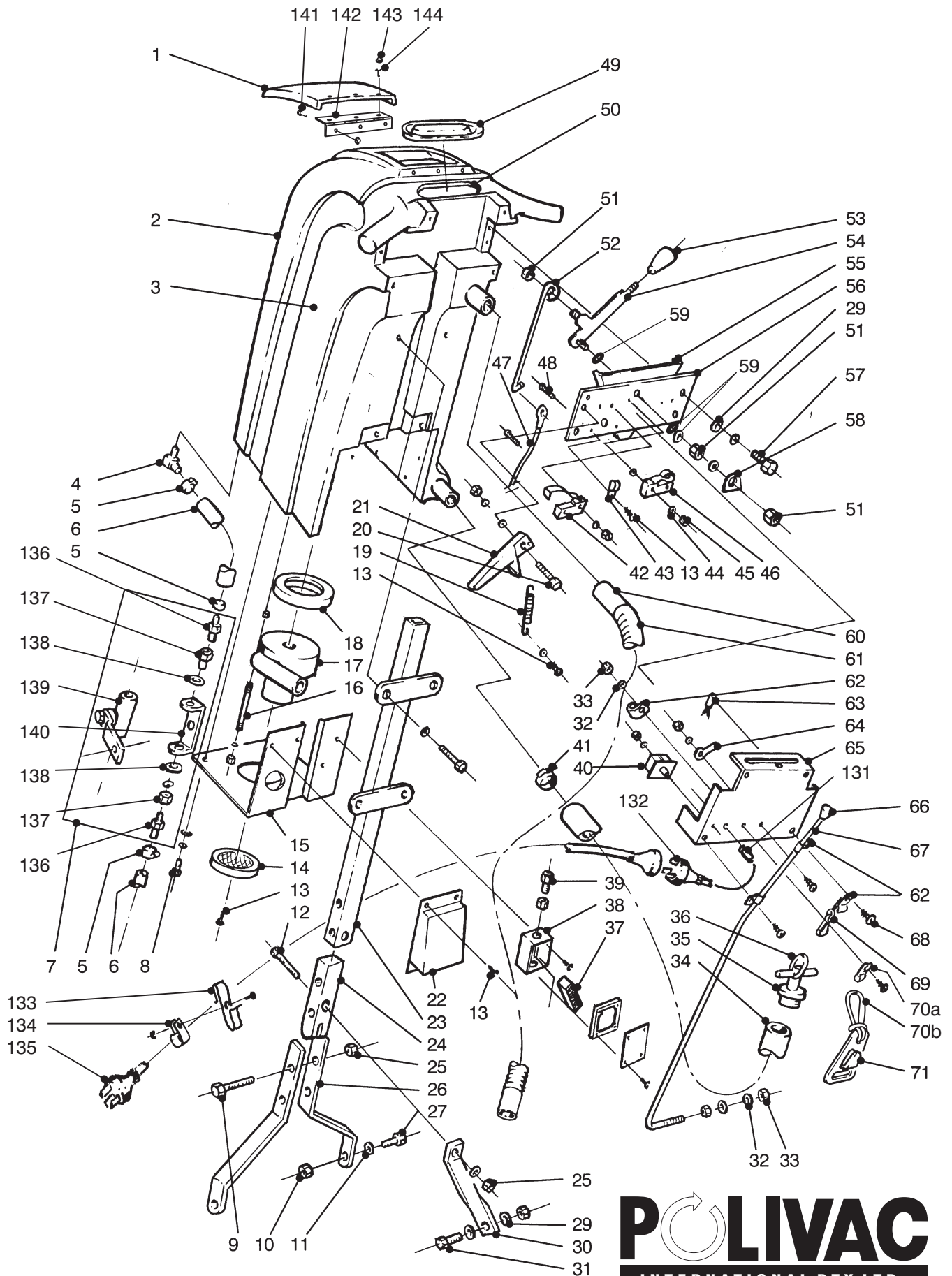
- Clear the floor of sharp objects to protect the squeegee.
- Always work away from the cord.
- Turn the T bar at the rear of the machine to the right if you want less sideways movement to the right.
- Walk in a straight line.
- Always clean the machine after use and store in a safe dry environment.
- Walk at a comfortable walking speed when using the 1700E.
- Use anti-foam in the recovery tank if foaming occurs.
- Ensure the skirt is neatly around the machine when stored.

DONT'S

- Don't use more than 20m extension leads, and ensure it is rated to 15amps.
- Don't store heavy items on the machine as it distorts the skirt and thus it will not perform as efficiently.
- Don't run with the 1700E, however you CAN walk backwards.
- Don't leave the brush/pad on the machine when storing the 1700E as it could distort.
- Don't overfill the solution tank.
- Don't run the machine over the power cord.

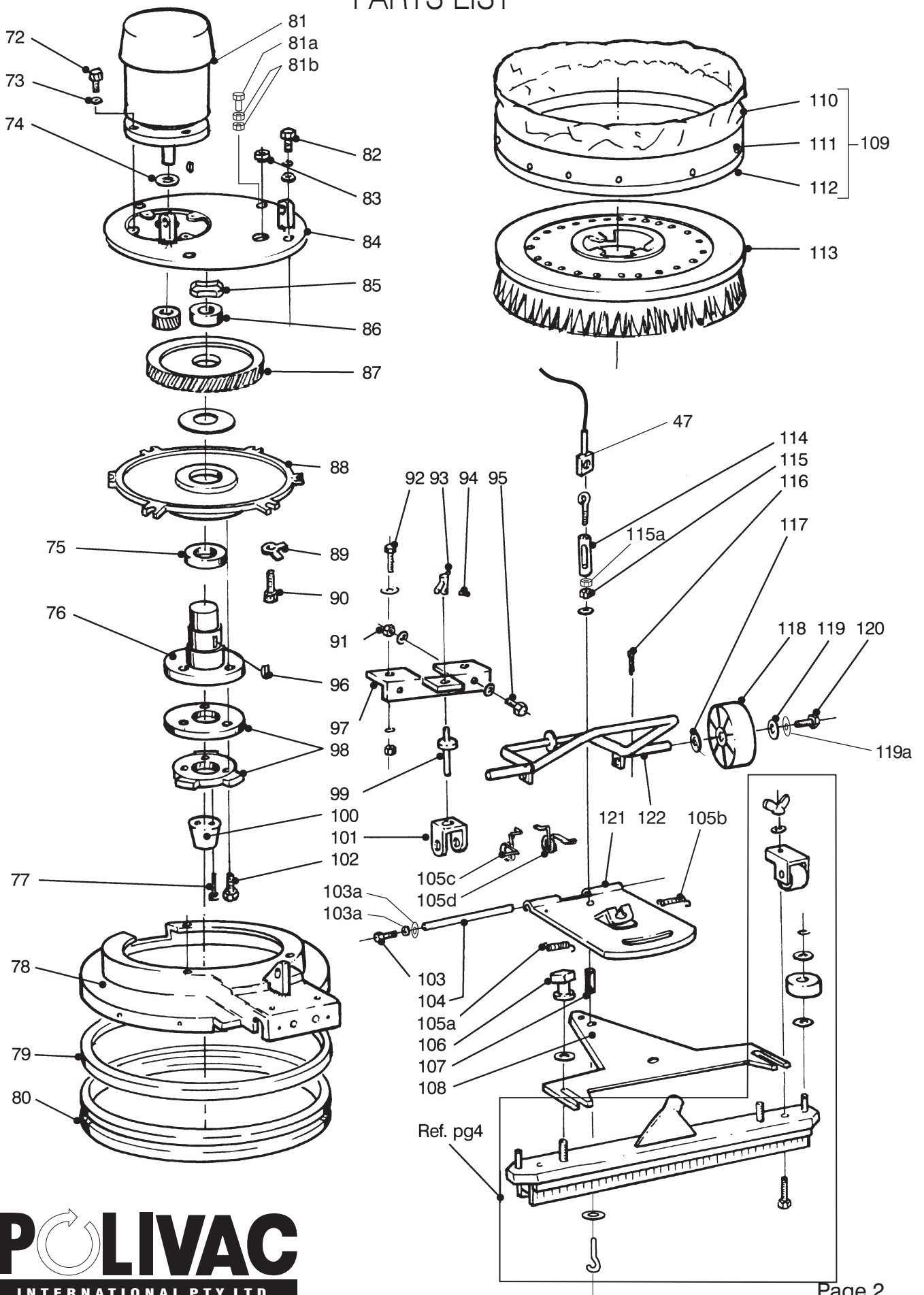
1700E Autoscrubber

PARTS LIST



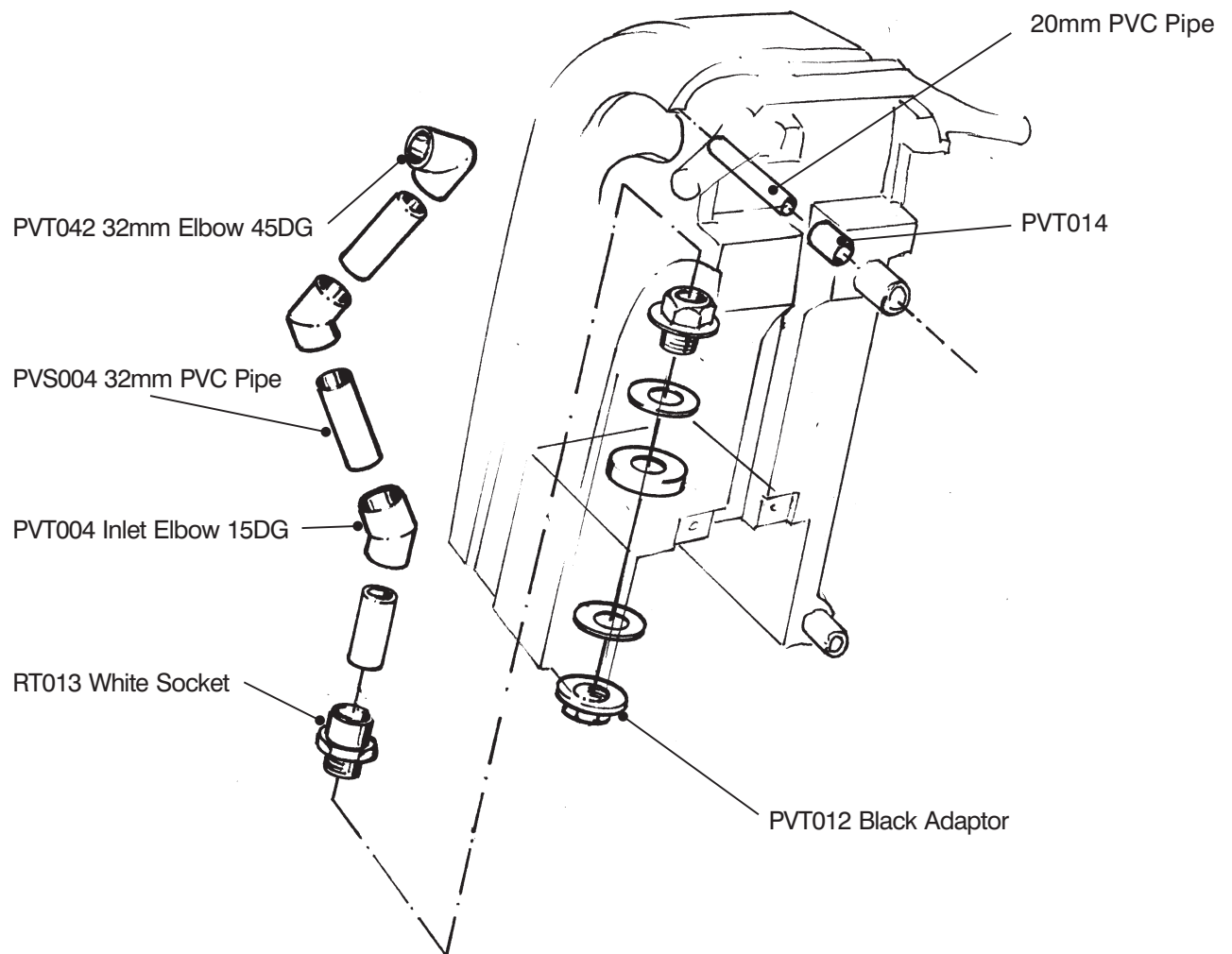
1700E Autoscrubber

PARTS LIST



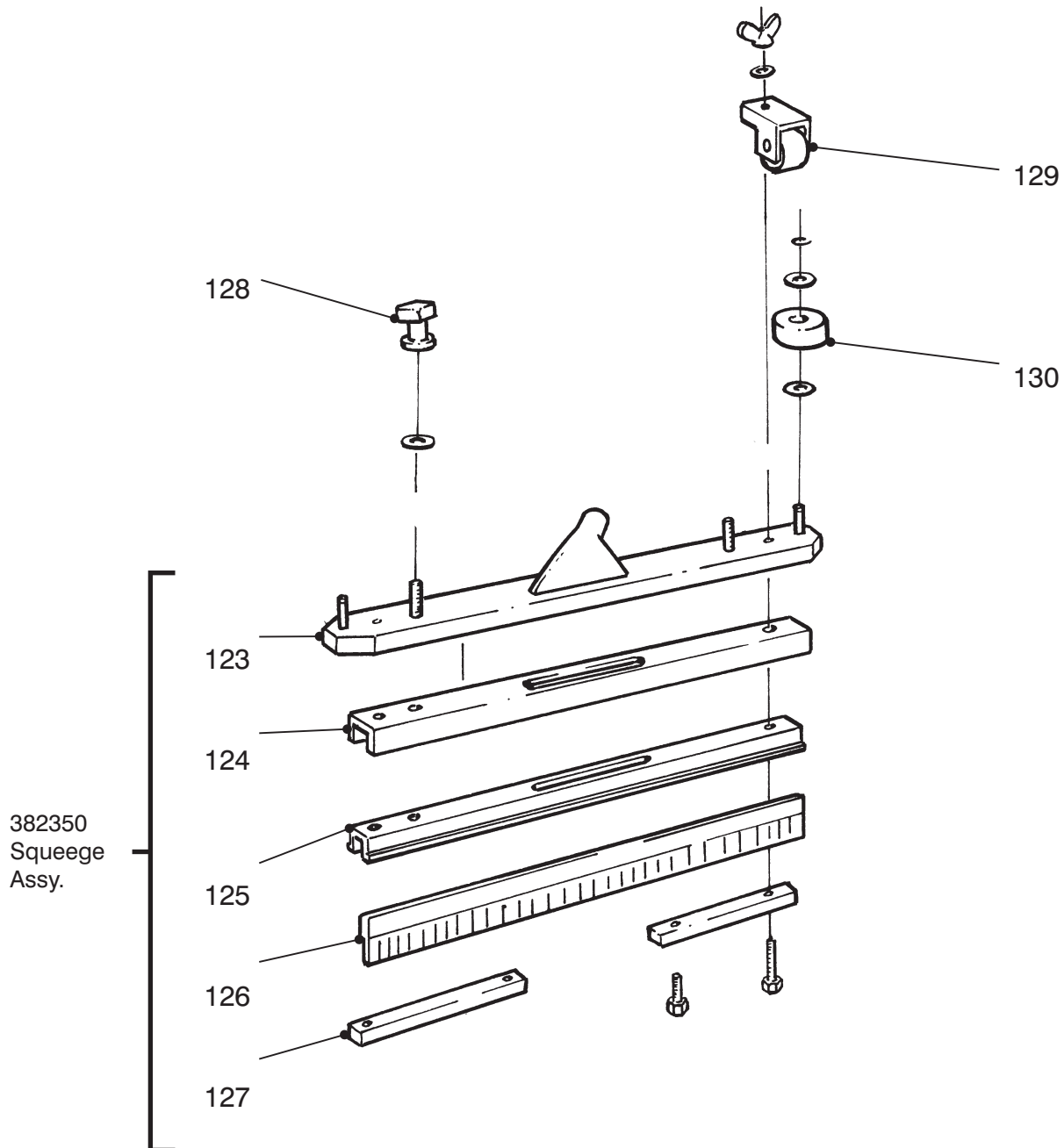
1700E Autoscrubber

PARTS LIST



1700E Autoscrubber

PARTS LIST



1700E Autoscrubber PARTS LIST

1.	PVT005	Lid (Solution Tank)	80	VPV087	Buffer
2.	PVT001	Solution Tank	81	VPA328CMG	Drive Motor
3.	PVT001A	Recovery Tank	81a	SK006	Screw 5/16
4	PVT035	Elbow Fitting	81b	VPV542	Nut 5/16
5	PVS060	Hose Quick Clamp	82	AAD041	Screw
6	PVS067	Solution Hose	83	VPA836	Rubber Grommet
7	PVS013	Solution Valve Assembly	84	VPA177	Base Plate
8	AAA537	6mm x 12mm Set Screw	85	VPA121	Wavy Washer
9	AAD039	Bolt	86	VPA570	Bearing
10	VPA284	Nut	87	VPA411	Gear
12	AAD038	1/4 x 1 1/2	88	VAA113	Cover Plate
14	COM019	Rubber Seal	89	VPA122	Washer
15	PVT100D	Bottom Plate (Vac Cover)	90	AAA564	Set Screw 1/4 x 3/4
16	PVS065	Spring	91	PVT045	Nut 5/16
17	PVT002	Vac Motor	92	PVT044	Cap Head Screw 5/16
18	COM019	Seal (Motor Support)	93	475480	Knob
19	VPA906	Spring Tensioner Trigger	94	PVS042	Gcrub Screw
20	AAA501	3/16 x 1 1/4 Screw C/S	95	PVT044	Cap Head Screw 5/16
21	VPV838	Trigger	96	VFB115	Woodruff Key
22	PVT100J	Exhaust Cover	97	PVT090	Height Adjustment Wedment
23	PVT100A	Handle Stem	98	PVS078	Drive Hub
24	VPA231	Tongue Assembly	99	PVS009	Height Adjustment Rod
25	AAF140	1/4 Nylon Nut	100	387116	Pilot Hub
26	VPA767	Fork	101	PVS087	Height Adjustment Bracket
27	VPA284	Handle Pin & Nut	102	PVS026	Cap/Head Screw 5/16 x 11/4
28	SLB038	3/16 Nylon Nut	103	AAA564	Set Screw 5/8 x 1/4
29	AAG236	Flat Washer	103a	GAS041	1/4 Spring Washer
30	PVT086	Support Bracket (Handle)	103b	AAG236	Washer
31	AAA604	Bolt (H/T 1/4 x 1) S/S	104	PVS092	Shaft
32	PVT027	Flat Washer	105a	PVS118L	Left Spring
33	SLB038	3/16 Nylon Nut	105b	PVS119R	Right Spring
34	PVS077	Water Release Hose	105c	PVS119L	Left Spring
35	PVT047	Plug PVT048 Sleeve	105d	PVS118R	Right Spring
36	VPV156	Ring	106	370711	Thumb Nut
37	PVS974	Terminal Block (5 Term)	107	VPA820	Spacer (Swivel Tongue & Squeegee)
38	PVS041	Wiring Box	108	PVS006	Swivel Squeegee
39	PVS096	Gland	109	PVS052	Skirt Assembly
40	AAM601	Terminal Block	110	VPV168	Mini Skirt (ref 109 Skirt Assy.)
41.	PVT200	Hose Clamp	111	VPV172	Retainer Skirt (ref 109 Skirt Assy.)
42	388019	Micro Switch (Activate Drive Motor)	112	VPV042	Pickup Ring (ref 109 Skirt Assy.)
43	VPA622	Half Clamp	113	PVS40B2	Brush
44	AAJ002	Star Washer	114	PVT009	Turn Buckle
45	AAA354	3mm Nut	115	SLB038	Nut Nylon
46	388019	Micro Switch (Activate Vac Motor)	115a	PVS039	S/S Nut 3/16
47	PVT008	Squeegee Lift Cable	116	VPA829	5/32 Roll Pin
48	AAA353	3mm x 25mm Screw	117	PVT038	Flat Washer
49.	PVT006	Lid (Recovery Tank)	118	PVT007	Wheels
50.	PVT015	Rubber Seal	119	SLB040	Flat washer
51	AAA354	6mm Nylon Nut	119a	GAS041	Spring Washer 1/4
52	PVT100K	Rod (Squeegee Lift Handle)	120	AAA564	Set Screw 5/8 x 1/4
53.	364527	Knob (Squeegee Lift Handle)	121	PVS006	Swivel Squeegee Tongue
54.	PVT100E	Squeegee Lift Handle	122	PVT011	Axle
55.	PVT100A	Backing Switch Plate	Ref pg4	382350	Squeegee Assembly
56.	PVT100G	Switch Plate	123	382352	Weldment
58	PVT100E	Washer (Activate Vac Motor)	124	105550	Channel
59	AAG385	Washer	125	105551	Retainer
60	PVS095	Hose Cuff	126	105533	Blade
61	PVS121	Extract Hose	127	393746	Weights
62	VVA019	No. 4 Clamp	128	370711	Thumb Nut
63	ZDR078	Indicator Light	129	387376	Roller Assy
65	PVT100F	Cover Plate	130	363855	Frame Roller
66	387670	Knob (Detergent Lift Handle)	131	ECG157	Lead Protector
67	PVT017	Rod Solution	132	PVT016	Plug & Lead
68	PVT028	3/16 x 5/8 Self Tap	133	300187	Belt Clip
69	VPV120	Clip (Hose Retainer)	134	PVS070A	Plastic Clamp
70a	VVA019	Cable Clamp No.4	135	VPV476	Lead
70b	BV8003	Ring	136	VPA459	Brass Barb 5/16
71	BV8003	Strain Relief	137	PVS059	Brass Reducer Bush
72	AAA564	Set Screw 1/4 x 3/4	138	PVS054	Washer 11/16 x 1 5/16
73	AAG236	Flat Washer	139	PVS013	Solution Valve Assy
74	VPA104	Oil Seal	140	PVS084	Solution Valve Retainer
75	VPA114	Bearing	141	PVT028	Screw
76	VPA116	Shaft	142	PVT018	Hinge
77	AAA501	3/16 x 1"	143	AAE232	Dom Nut
78	PVS424	Casting	144	AAK044	Pop Rivet
79	VPV239	Insert			

1700E/A23 VPA328CMG

- | | | |
|----|-----------|---------------------|
| 1 | VPV818CMG | Capacitor Box Cover |
| 2a | VPV804CMG | Start Capacitor |
| 2b | VPV798CMG | Run Capacitor |
| 3 | VPV817CMG | Capacitor Box Base |
| 4 | VPV807CMG | Manual Reset |
| 5 | VPV813CMG | Cowl |
| 6 | VPV812CMG | Cooling Fan |
| 6a | VPV819CMG | Clip on cooling fan |
| 7 | VPV811CMG | Non Drive Endshield |
| 8 | VPV826CMG | Switch Plate |
| 9 | VPV806CMG | Centrifugal Switch |
| 10 | VPV810CMG | Flanged Endshield |

