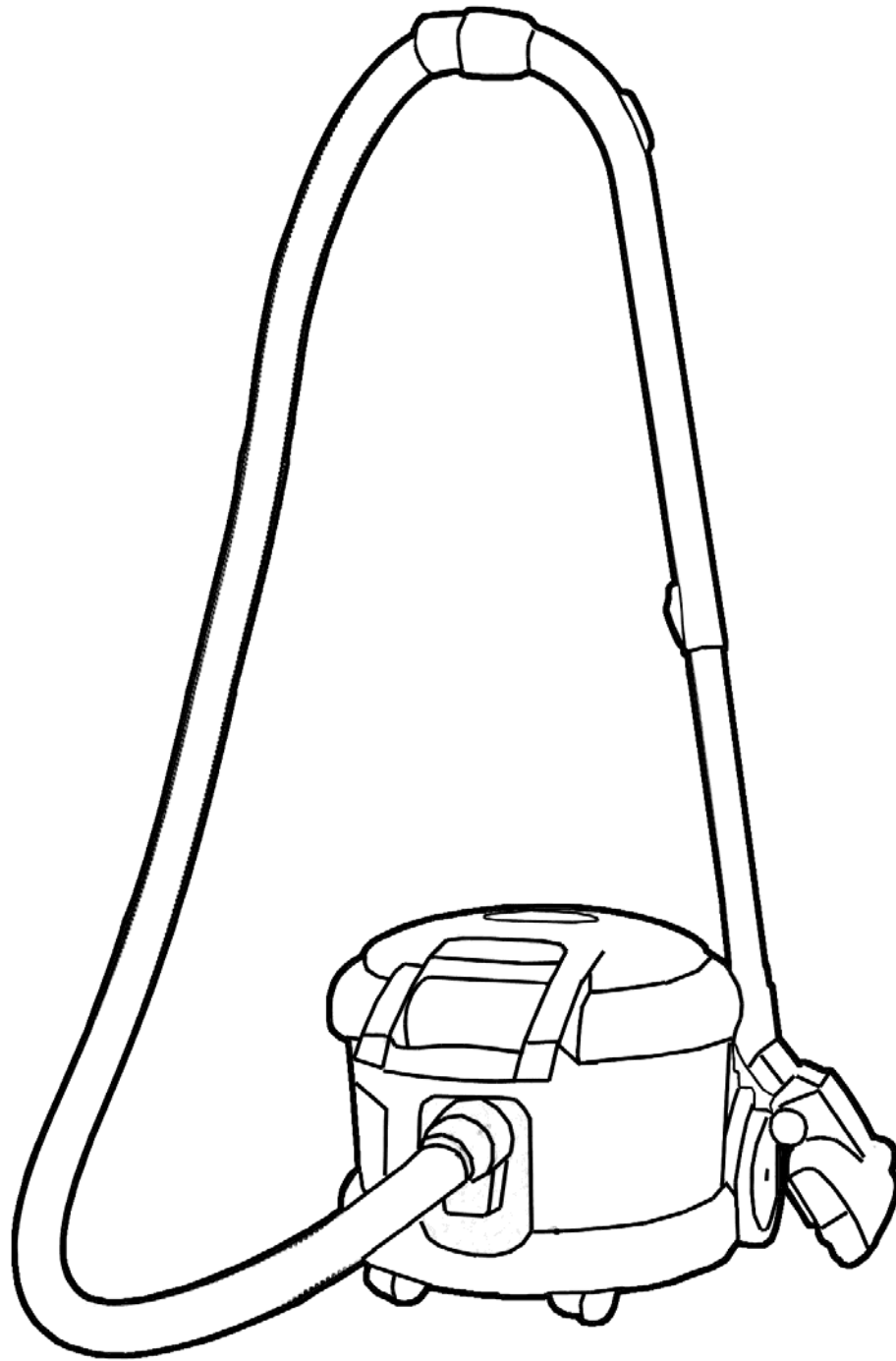


PANTHER 15 MANUAL



PANTHER 15 MANUAL

IMPORTANT SAFETY INSTRUCTIONS



WARNING: Failure to observe these instructions can cause personal injury to machine operator or bystanders.



WARNING: Shock or electrocution hazard. **ALWAYS** unplug machine before performing any maintenance or service.



WARNING: Shock or electrocution hazard. **NEVER** connect this machine to an electrical outlet that is not properly grounded.



WARNING: Fire or explosion hazard. **NEVER** use to pick up flammable or combustible liquids, or anything that is burning or smoking, such as cigarettes, matches or hot ashes.

NEVER operate this machine in an explosive atmosphere (grain dust, flammable liquids or fumes, etc.

INTENDED USE

The Panther 15 vacuum is intended for commercial use, vacuuming floors, furniture, and draperies in an indoor environment. This machine is intended for Dry pickup only. NSS does not recommend using these machines for any other purpose.

FOR SAFETY

- **ALWAYS** read and understand all instructions before operating or servicing machine.
- **ALWAYS** use this machine **ONLY** as described in this manual.
- **NEVER** attempt to operate this machine unless you have been trained in its operation.
- **NEVER** allow an untrained person to operate this machine.
- **NEVER** leave the machine plugged in to the electrical outlet when not in use.
- **NEVER** unplug the machine from an electrical outlet until after the machine is turned off.
- **NEVER** attempt to operate this machine if it is not working properly or has been damaged in any manner.
- **NEVER** disconnect or modify any switches or safety devices.
- **NEVER** operate this machine if the cord and / or plug has been damaged, broken, cut, abraded or taped.
- If there is any damage to the wire or plug in the device, be sure to be replaced by a professional authorized professional or special service station.
- **NEVER** handle the machine, cord, or plug with wet hands.
- **NEVER** drop or insert any object into any machine opening.

- **NEVER** operate this machine with any air opening blocked. Keep all air openings free of dust, lint, hair, etc.
- **NEVER** pull or carry the machine by it's electrical supply cord, use the cord as a handle, close a door on the cord, pull the cord around sharp edges or corners, expose to heated surfaces, run machine over cord, or set heavy or sharp objects on the cord.
- **NEVER** unplug by pulling on the cord. To unplug the cord from the outlet, grasp the plug, not the cord.
- **NEVER** allow this machine to be used as a toy. Close attention is necessary when used by or near children.
- **ALWAYS** keep face, fingers, hair or any other body part or loose clothing away from any machine opening or moving part (revolving brush).
- **NEVER** use this machine on wet surfaces or for wet pickup.
- **ALWAYS** use extreme care when cleaning on stairs or when machine is placed on stairs.
- **NEVER** operate machine without dust bag and / or filters in place.
- **NEVER** use any attachments other than the manufacturers recommended attachments.
- **NEVER** spray this machine with water or any liquids.
- **NEVER** operate the machine outdoors.
- **NEVER** expose the machine to rain, snow, or extreme temperatures.
- **ALWAYS** store this machine indoors in a dry, cool area.

All Repair service for this machine must be performed by an NSS authorized service center. Repairs performed by an unauthorized company will void the machine warranty.

SAVE THESE INSTRUCTIONS



Panther 15 Operation

Technical Information

Power	1200 Watts
Air flow	173 cm/h
Protection Class	Double Insulation
Weight	6 Kg
Diameter of Accessories	35mm
Length of Cord	15m
Decibel	50dB

NOISE

NOISE

Sound pressure level at Operator position 50 dB(A)

GENERAL INFORMATION

- Now that the machine is unpacked remember to recycle all packing materials.
- Inspect the machine for damage or missing components. If damage is found, contact the local freight company to file a freight claim.
- Certain parts are packed in the tank to protect them from damage. These parts need to be removed before putting the vacuum cleaner into use.
- The supply voltage must be the same as that shown on the name plate.

MACHINE OPERATION

With the switch in the off position, plug the electrical cord into an approved outlet (See page 2). Turn on the machine with the foot operated switch located on the left side of the machine.

- Attachments may be added for overhead cleaning in such applications as removing dust from tops of door and window frames, walls and ledges.
- Brush and upholstery tools may be added to aid in hand work. Select the proper tool for the maximum cleaning result.
- When using the machine on floors, the operator should drop their arm slightly to allow air to enter the front edge of the tool on the forward stroke. On the

backward stroke the operator should raise their arm slightly to allow the back edge of the tool to clear the floor. This method gives the air a chance to do the work in the most effective manner.

- The operator should make strokes at a leisurely pace and at a length that feels the most natural.

MAINTENANCE

Routine maintenance is critical to ensure proper machine operation and cleaning performance. Perform all maintenance procedures as follows:

WARNING: Always unplug machine before performing any maintenance. See front page for warnings.

Daily Maintenance

- Inspect the cord and plug for any damage.
- Remove the hose from the machine at the end of each workday. The tube handle should be removed from the hose and the hose should be laid in a loose coil or hung over several pegs on the wall.
- Filter bags must be emptied and cleaned on a regular basis to prevent loss of vacuum suction and possible machine damage. After emptying the cloth filter bag reinstall it back into the machine.
- Periodically vacuum the inside of the filter bag for maximum suction and filter bag life.

Weekly Maintenance

- Verify that all daily maintenance has been done.
- Remove tool from tube handle to clean and inspect for wear.
- Clean the inside and outside of the vacuum cleaner.
- Clean the rubber seal on the inside of the lid.

Monthly Maintenance

- Verify that all weekly maintenance has been done.
- Oil casters and wheels with a light machine oil.
- Replace casters and wheels as necessary.

Every 6 months

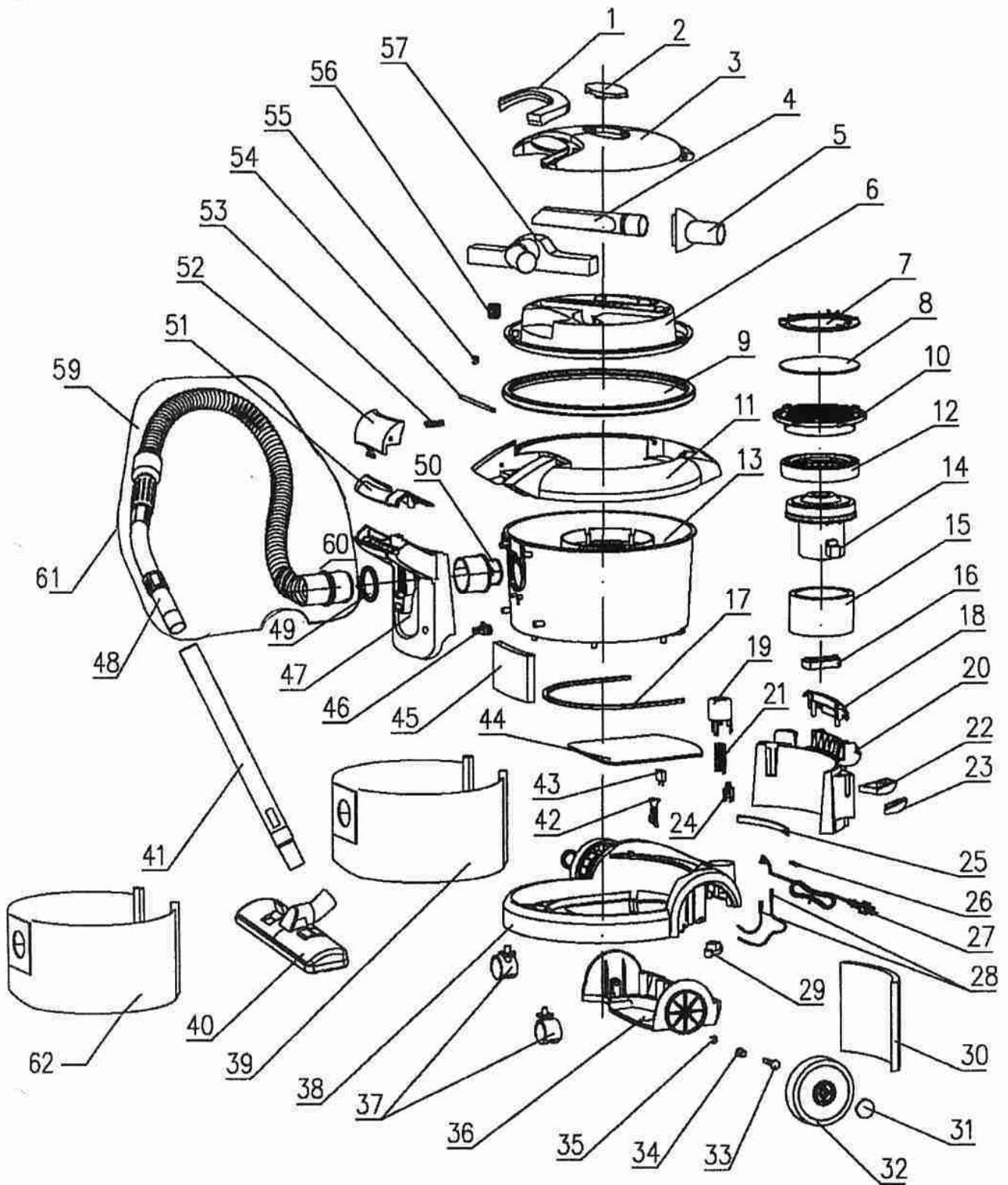
Check the carbon brushes in the vacuum motor for wear.

Repair service for this machine must be performed by an NSS authorized service center. Repairs performed by an unauthorized company will void the machine warranty.

SAVE THESE INSTRUCTIONS



Panther 15 Parts List



SAVE THESE INSTRUCTIONS



Panther 15 Parts List

ITEM	PART NO.	DESCRIPTION	QTY.
0	2001502	PANTHER 15 (DRY VACUUM)	1
1	2065011	LID DECORATION STRIP	1
2	2065021	LID RATING PLATE	1
3	2065031	TOP LID	1
4	2065041	CREVICE TOOL	1
5	2065051	BRUSH TOOL	1
6	2065061	ACCESSORIES SUPPORT	1
7	2065071	AIR INLET HOLDER	1
8	2065081	AIR INLET FILTER	1
9	2065091	SEAL RING FOR BODY	1
10	2065101	AIR INLET GRILL	1
11	2065111	MIDDLE PART	1
12	2065121	VACUUM MOTOR TOP SUPPORT	1
13	2065131	BODY	1
14	2065141	VACUUM MOTOR	1
15	2065151	MUFFLER FOR VACUUM MOTOR	1
16	2065161	VACUUM MOTOR BOTTOM SUPPORT	1
17	2065171	SPONGE SEAL STRIP FOR BOTTOM	1
18	2065181	SHAFT CUP	1
19	2065191	PRESS BUTTON	1
20	2065201	AIR FLUE	1
21	2065211	MAIN POWER SWITCH SPRING	1
22	2065221	SHAFT PROTECTING COVER A	1
23	2065231	SHAFT PROTECTING COVER B	1
24	2065241	MAIN POWER SWITCH	1
25	2065251	SPONGE SEAL STRIP FOR BOTTOM	1
26	2065261	POWER CABLE CLAMP	1
27	2065271	POWER CABLE CLAMP	1
28	2065281	INNER WIRE	1
29	2065291	SWITCH HOLDER	1
30	2065301	AIR OUTLET SPONGE	1
31	2065311	REAR WHEEL COVER	2
32	2065321	REAR WHEEL	2
33	2065331	REAR WHEEL AXLE	2
34	2065341	REAR WHEEL BUSHING	2
35	2065351	RETAINING RING	2
36	2065361	REAR WHEEL HOLDER	2
37	2065371	CASTER	2
38	2065381	BOTTOM INSERT	1
39	2065391	CLOTH DUST BAG	1
40	2065401	TYPE Q BRUSH TOOL	1
41	2065411	TELESCOPIC WAND TUBE, SS	1
42	2065421	STRAIN RELIEF, POWER CORD	1
43	2065431	CAPACITOR	1
44	2065441	NOISE REDUCTION FELT, BOTTOM	1
45	2065451	NOISE REDUCTION FELT, FRONT	1
46	2065461	SOCKET FOR POWER BRUSH	1
47	2065471	AIR INLET HOLDER	1
48	2065481	HOSE HANDLE	1
49	2065491	SUCTION HEAD SEAL RING	1
50	2065501	SUCTION ADAPTOR	1
51	2065511	HANDLE COVER	1
52	2065521	MIDDLE COVER BUTTON	1
53	2065531	SPRING	1
54	2065541	COVER HINGE PIN	1
55	2065551	RETAINING RING	1
56	2065561	SAFTEY VALVE	1
57	2065571	BARE FLOOR TOOL W/BRUSH	1
58	2065581	SCREWS	12
59	2065591	35MM FLEXIBLE HOSE	1
60	2065601	FLEXIBLE HOSE SLEEVE	1
61	2065611	FLEXIBLE HOSE ASSEMBLY	1
62	2065621	PAPER DUST BAG	1

SAVE THESE INSTRUCTIONS

Panther 15 Parts List

TROUBLESHOOTING

Symptom	Cause	Solution
Machine Does Not Run.	No Electrical Power. Damaged Switch. Damaged Cord.	Check Building Circuit Breaker and Outlet. Change Switch. Change Cord.
Machine Has Poor Or No Suction.	Obstruction in Hose, Tool or Wand. Full Bag. Obstruction in Hose Coupling.	Remove Obstruction. Replace Bag or Empty Bag. Remove Obstruction.
Machine is Difficult to Move.	Damaged Wheels. Damaged Caster.	Replace Wheels. Replace Caster.
Bag Leaks.	Improper Coupling connection. Filter Bag Defective. Gasket Missing or Damaged.	Adjust Coupling Connection. Replace Filter Bag. Replace Gasket.

Repair service for this machine must be performed by an NSS authorized service center. Repairs performed by an unauthorized company will void the machine warranty.

SAVE THESE INSTRUCTIONS

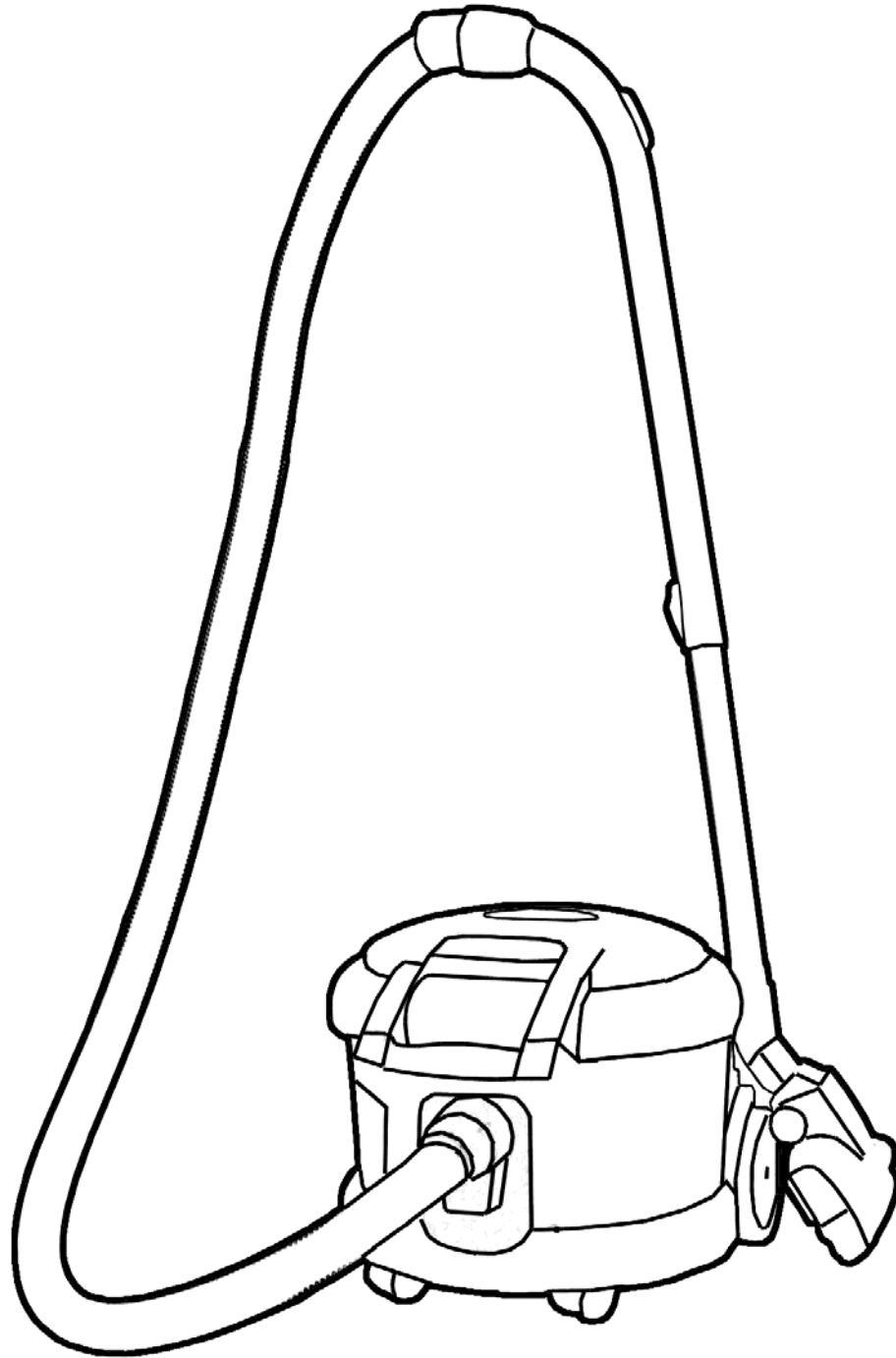


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派特 15 静音地毯吸尘器操作手册



重要安全注意事项



警示： 未遵守本手册安全说明操作设备，可能导致操作人员或他人受到伤害。



警示：注意防震或电击。

进行任何维护或维修之前，**请务必**先断开吸尘器电源。



警示：注意防震或电击。

严禁将本设备插头连接在接地不良的电源插座上。



警示：注意防火防爆。

严禁使用本设备拾取易燃液体或任何正在燃烧或冒烟的垃圾，比如烟头、火柴或还未燃烬的物体。

严禁在易爆环境中操作本设备（谷物状灰尘、易燃液体或烟雾，等等。）

设计用途

Panther15型静音真空吸尘器适用于商用清洁环境：真空清洁室内地面、家俱及布艺。本吸尘器仅适用于拾取干燥垃圾。耐施诺公司不建议将本吸尘器用于其它用途。

安全说明

- 操作或维修本设备之前**请务必**先仔细阅读并理解本手册安全注意事项。
- **请务必**只按照本手册说明来操作本设备。
- 未经培训，**严禁**操作本设备。
- **严禁**未经培训的人员操作本设备。
- 本设备闲置不用时，**严禁**将设备电源插头仍然连接在电源上。
- **严禁**在本设备关闭后仍然连接电源。
- **严禁**在设备已经不适合工作或者在本设备已经受损的情况下操作设备。
- **严禁**断开或修改本设备的任何开关或安全设施。
- **严禁**在本设备的电线和/或插头已经受损、破损、断裂、磨损或被带子捆绑时操作本设备。
- 如果本设备的电线或插头出现任何破损，请务必由专业授权的专业人员或者特约维修站进行更换
- **严禁**在双手潮湿时接触本设备、电线或插头。
- **严禁**将液体或任何物体滴入或插入本设备任何开启的部位。

- 如果本设备的真空管路堵塞，**严禁**操作本设备。
- **严禁**使用本设备配置的电源线拖拉本设备、将电线用作把手、关门时压住电线。避免在尖锐物体或墙角上拉拖电线、将电线暴露在发热物体表面、操作本设备从电线上碾压过，或者在电线上放置重物或尖锐物体。
- **严禁**拉拽电线将插头从插座上拔下。请握住电线插头从插座上拔下电线，不得拉拽电线拔下插头。
- **严禁**将本设备作为玩具由儿童使用，或者有儿童在附近时使用本设备请务必小心。
- **请务必**使面部、手指、头发或任何其它身体部位或宽松的衣服远离本设备任何开启的部件或旋转部件（例如：正在旋转的刷头）。
- **严禁**在潮湿表面操作本设备或者操作本设备拾取潮湿垃圾。
- 使用本设备清洁楼梯或者在楼梯上放置本设备时**务必**小心。
- 如果未放置灰尘收集袋以及/或者过滤器未放置到位，**严禁**操作本设备。
- **严禁**使用非厂家推荐的任何附件。
- **严禁**用水枪或任何液体清洗本设备。
- **严禁**在户外操作本设备。
- **严禁**将本设备暴露在雨天、下雪天或极端天气环境中。
- **请务必**将本设备存放在干燥凉爽的室内环境中。

本设备所有维修服务仅由耐施诺授权维修中心提供。采用未经授权的维修公司维修本设备可能使本设备保修失效。

保存上述说明



派特 15 静音地毯吸尘器操作说明

技术资料

功率	1200 瓦
空气流量	173 立方米/小时
保护级别	双绝缘
重量	6 公斤
真空管直径	35毫米
电线长度	15米
噪音级别	50dB

噪音级别

噪音级别
操作噪音

50 dB(A)

综合信息

- 打开本设备包装后，请回收利用所有的包装材料。
- 请检查设备是否受损或是否遗失部件。如果发现有受损情况，请联系当地货运公司办理货运索赔流程。
- 某些零部件放置在设备的箱体内以防其受损。使用本设备之前，请先从箱体内取出这些零部件。
- 必须使用设备铭牌上标注的电源规格。

操作说明

操作吸尘器之前，将吸尘器电源开关放置于“关闭”位置，把电线插头插入符合要求的电源插座（见第 2 页）。打开吸尘器左侧的脚踏操作开关，开启设备电源。

- 可选配附件清除门框上方、窗户边框、墙体和边缘位置的灰尘。
- 可选配刷头和室内装饰清洁工具，手动进行清洁工作。请根据实际需要选择恰当的工具，从而实现最理想的清洁效果。
- 使用本设备清洁地面时，操作人员的手臂需稍微向下压，以便吸尘器吸尘工具前进操作时空气可以从前部进入。后退操作时，操作人员需稍微抬在清除门框上方、窗户边框、墙体和边缘位置的灰尘时可以选配相应附件。

起手臂，从而使吸尘器的吸尘工具后部边缘可以清扫地面。这样，可以最有效地利用气流完成清扫工作。

- 操作人员应平稳地来回操作，来回操作的距离以操作人员感觉最自然恰当的距离为宜。

维护工作

为确保吸尘器具有良好的操作性能与清洁性能，对设备定期进行维护至关重要。请按照以下说明维护吸尘器：

警示：进行任何维护工作之前请务必先拔下电源插头。相关警示说明，请见前页。

每日维护

- 检查电线和插头是否有任何损坏。
- 每天工作结束时从设备上拆下真空软管。先拆下管子把手，然后将软管盘曲卷起来，卷曲程度不能过紧。也可以把软管挂在墙上的几个挂钩上。
- 请务必定期清空并清理过滤袋，以防真空吸力受影响或者可能造成设备的损坏。滤布袋清空后再重新放回设备里。
- 定期清洁过滤袋内部，从而使过滤器具有最大吸力并且实现最长的使用寿命。

每周维护

- 确保已经履行日常维护工作。
- 从管子把手上拆下工件进行清理并且检查是否磨损。
- 清理静音吸尘器的内部和外部。
- 清理盖子内侧的橡胶密封件。

每月维护

- 确保已经完成每周需要完成的所有维护工作。
- 用轻质机械油给脚轮和车轮上油。
- 必要时更换脚轮和车轮。

每6个月检查设备

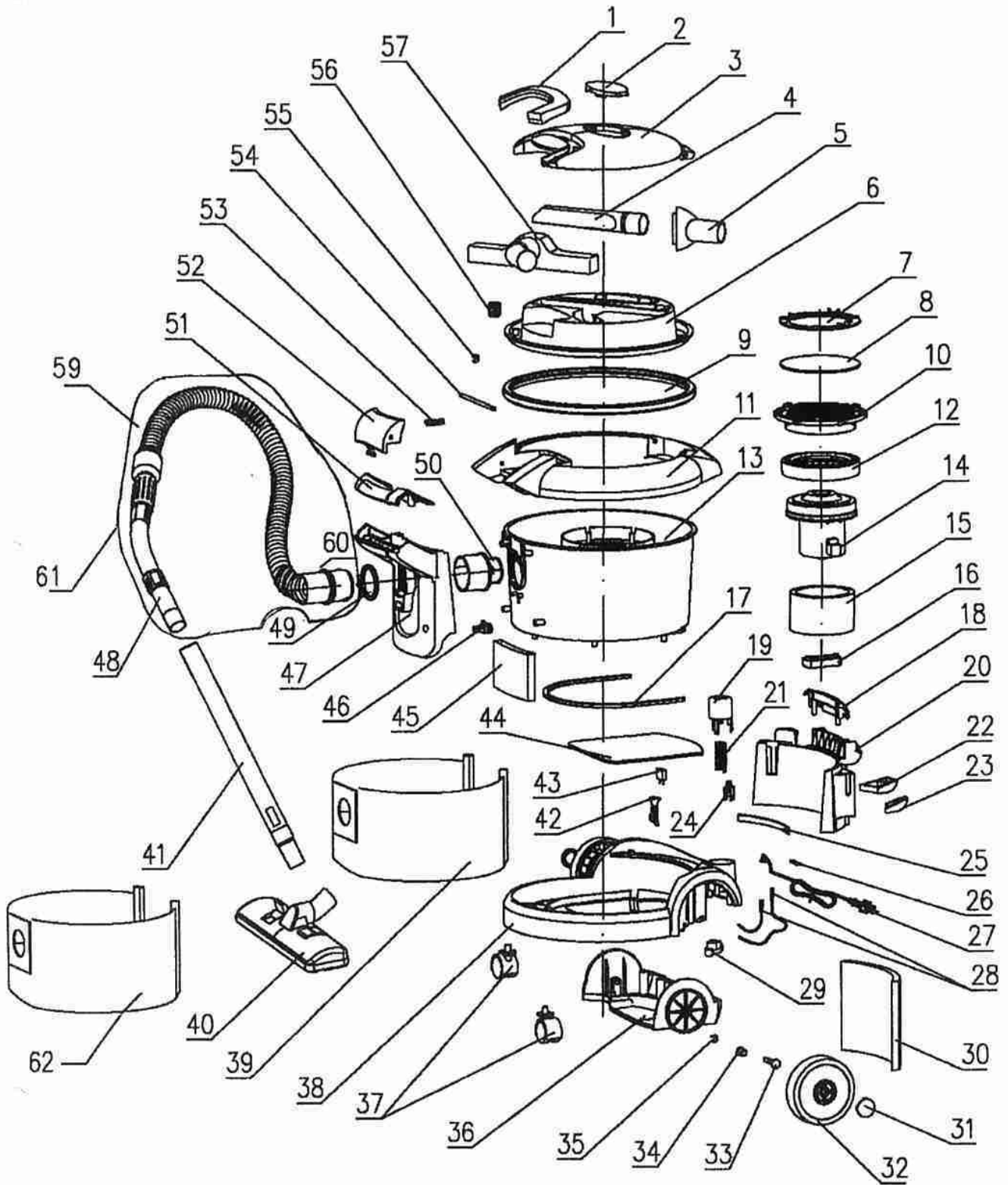
检查真空马达的碳刷是否磨损。

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保存上述说明



派特 15 静音地毯吸尘器零件列表



保存上述说明



派特 15 静音地毯吸尘器零件列表

条目	零件编号	描述	数量
0	2001502	PANTHER 15 型(干式静音真空吸尘器)	1
1	2065011	盖子装饰条	1
2	2065021	盖子标示牌	1
3	2065031	顶盖	1
4	2065041	缝隙清洁工具	1
5	2065051	刷子工具	1
6	2065061	附件支撑件	1
7	2065071	空气进气口固定件	1
8	2065081	空气进气口过滤网	1
9	2065091	主体部件密封环	1
10	2065101	空气进气口过滤网罩	1
11	2065111	中间件	1
12	2065121	真空马达顶部支撑件	1
13	2065131	主体部件	1
14	2065141	真空马达	1
15	2065151	真空马达消声器	1
16	2065161	真空马达底支撑件	1
17	2065171	底座海棉密封条	1
18	2065181	轴盖	1
19	2065191	按钮	1
20	2065201	通风道	1
21	2065211	主电源开关弹簧	1
22	2065221	轴保护盖A	1
23	2065231	轴保护盖B	1
24	2065241	主电源开关	1
25	2065251	底座海棉密封条	1
26	2065261	电源线夹子	1
27	2065271	电源线夹子	1
28	2065281	内部电线	1
29	2065291	开关座	1
30	2065301	空气出口海棉	1
31	2065311	后轮盖	2
32	2065321	后轮	2
33	2065331	后轮轮轴	2
34	2065341	后轮轴衬	2
35	2065351	固定环	2
36	2065361	后轮支架桥	2
37	2065371	脚轮	2
38	2065381	底座插件	1
39	2065391	灰尘收集布袋	1
40	2065401	Q型刷头工具	1
41	2065411	伸缩硬管, SS	1
42	2065421	电线防拉伸防护件	1
43	2065431	电容器	1
44	2065441	消音棉, 底座	1
45	2065451	消音棉, 前部	1
46	2065461	电动刷头插座	1
47	2065471	空气进气口固定器	1
48	2065481	软管手柄	1
49	2065491	吸头密封环	1
50	2065501	抽吸适配器	1
51	2065511	手柄盖	1
52	2065521	中间盖子按钮	1
53	2065531	弹簧	1
54	2065541	盖子铰链销	1
55	2065551	固定环	1
56	2065561	安全阀	1
57	2065571	用于清扫硬质地面的工具 W/刷头	1

派特 15 静音地毯吸尘器零件列表

58	2065581	螺钉	12
59	2065591	弹性软管, 直径35mm	1
60	2065601	弹性软管接头	1
61	2065611	弹性软管组件	1
62	2065621	灰尘收集纸袋	1

保存上述说明

派特 15 静音地毯吸尘器零件列表

故障排查

故障	原因	解决方案
设备不工作。	无电源。 开关损坏。 电线已受损。	检查电源的电路断路器和插座。 更换开关。 更换电线。
吸尘能力差或者无吸尘能力。	软管、真空管组件或清洁管堵塞。 灰尘收集袋已满。 软管连接件被堵塞。	清除堵塞物。 更换或清空灰尘收集袋。 清除堵塞物。
设备移动困难。	车轮已受损。 脚轮已受损。	更换车轮。 更换脚轮。
袋子出现漏气现象。	袋子连接件连接不当。 过滤袋有瑕疵。 密封圈已丢失或已受损。	调整连接件。 更换过滤袋。 更换密封圈。

本设备所有维修服务仅由耐施诺授权维修中心提供。采用未经授权的维修公司维修本设备可能使本设备保修失效。

保存上述说明



派特 15 备注

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