



Elite 3 Edger



Operator & Maintenance Instructions

GALAXY



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OPERATOR SAFETY INSTRUCTIONS

You MUST read and understand all the INSTRUCTIONS, WARNINGS and CAUTIONS in this manual PRIOR to operating this machine. Failure to do so can result in INJURY and/or DEATH. It can also lead to damage to the machine and/or to other things.



Warning: This sign means: Injury and/or death could occur if you do not follow these instructions.



Caution: This sign means: Damage to the machine and/or to things in the environment could occur if you do not follow these instructions.



Warning: You must READ this manual before using this machine.



Warning: This machine can cause flammable materials and vapors to IGNITE. Do NOT use this machine near any SOURCE OF IGNITION such as lighters or matches, flames or pilot lights and burning substances such as cigarettes, etc.



Warning: Do not use this machine near highly FLAMMABLE materials such as solvents, thinners, gasoline, etc. Always work in a well-ventilated area.



Warning: This machine sands floors and it creates ignitable dust that can lead to FIRE and EXPLOSIONS. Always avoid sources of ignition such as flames, cigarettes etc. Work in well-ventilated conditions to control the volume of dust in the air. Always safely dispose of dust.

- Always remove the contents of the bag when it is 1/3 full. Dispose of it outside in a containable garbage disposer.
- Never leave any dust in the bag after using the machine.
- Never put the dust into an open fire.
- If the floor-sanding machine's disc hits metal it can cause a spark and/or damage to the machine. Always use a hammer and punch to sink all floorboard nails.



Warning: Always turn the power switch "OFF" prior to plugging or unplugging the machine to/from an electrical power source. Never plug a partially assembled machine into an electrical power source.



Warning: This machine is manufactured solely for sanding. Never use it for any other purpose.



Warning: Always turn the power switch to “OFF” and UNPLUG the machine prior to emptying the bag, changing the sandpaper disc, doing any maintenance, or leaving the machine unattended.



Warning: This machine was solely manufactured for plugging into a grounded three-wire electrical power source with a circuit breaker system. Never plug it into any other type of electrical power source. If the circuit repeatedly trips or breaks while using it have a licensed electrician check the line.



Warning: This machine’s sanding pad revolves at high speeds. It can damage things and cause injuries. If the sanding disc connects with any part of the electrical line it can damage it. Never use this machine with a damaged or defective cord or extension cord.



Warning: Never use the machine with any kind of extension other than that supplied by the manufacturer. Prior to plugging the machine to the extension cord always turn the machine’s power switch “OFF”. Prior to plugging the extension line’s plug into an electrical power source make sure the machine’s plug is properly twisted tight and securely connected to the extension.



Warning: Never use this machine outside in anything but completely dry conditions. Never run the supplied extension cord over any moist areas such as outdoor grass without using a ground fault interrupter (GFI). If the machine gets wet do not connect it to an electrical power source until it is completely dry.



Warning: This floor-sanding machine can cause dust to be airborne. Always make certain the machine’s bag is properly connected to the dust pipe. Always wear a properly sealed and highly rated dust mask, protective goggles, tight fitting clothing and shoes while operating this machine.



Warning: Do not alter or modify this machine in any way. Making any modifications will void warranties and liabilities.



Warning: Always make certain the manufacturer’s warning labels are fastened to the machine. If they wear off or become unreadable contact the manufacturer for replacements.



Caution: Serious damage can be done to a floor if the machine is operated when it is not set up properly or if it is run and held still in one spot with the sanding disc spinning. Always sand with a constant motion, use only the machine’s weight as pressure.



Caution: Do not rest a machine for long periods on its sanding pad. This may cause a flat spot and reduce the quality of performance. To rest the machine, tip it on its back or side.

THE CONTROLS

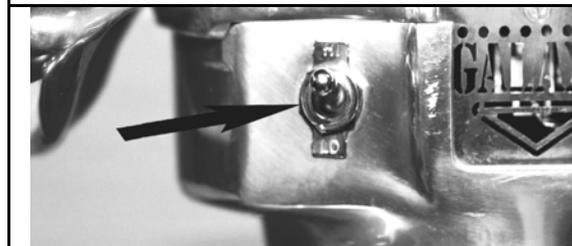
The On/Off Switch is on top of the sander. Turning the switch to “ON” starts the machine. Turning it to “OFF” stops the machine.

The Hi/Low Switch is on the machine. Turn it to runs at maximum speed. machine runs at a lower



The On/Off Switch

the top-left hand side of “High” and the machine Turn it to “Low” and the speed.



The Hi/Low Switch

Use the high-speed setting for faster wood removal. Use the low-speed setting for finish cuts and custom work.

The Disc Guard is the the sanding pad. It makes edges of surfaces and



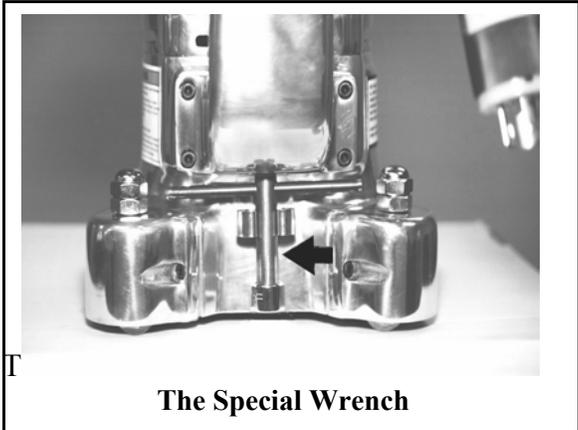
The Disc Guard

lower casing that houses it possible to sand to the along baseboards.

The Sandpaper Disc Holder is on the bottom of the sanding pad. It consists of a center bolt and beveled washer and connects the sandpaper disc to the sanding pad.



The Special Wrench is held in the clamp on the back of the machine. It is used for changing the sandpaper discs.



The Dust Bag is a high quality dust collector. It has a special wear-reducing surface on its floor-facing side. You can attach it to the output end of the dust pipe by using the bag's attached drawstring. Check to ensure the bag is securely attached and the drawstring is not loosely hanging. You attach the bag's inlet to the dust pipe, draw the string and tie it. You can also attach it with the supplied bag clamp. You place the bag's inlet over the dust pipe's output end and attach the bag clamp.



The Dust Bag

HOW TO PREPARE THE MACHINE FOR OPERATION



Warning: Always make sure the power switch is in the “OFF” position and the machine is unplugged from the electrical source prior to doing any maintenance.

How To Install Sandpaper Discs

Always use the right sized sandpaper discs. This unit requires 7” diameter paper with a 7/8” center hole. To replace the sandpaper disc follow these steps:

- Take off the special wrench that is clamped to the back of the machine.
- Put the machine upside down.
- Use the special wrench and remove the center bolt and beveled washer of the sandpaper holder. (To loosen turn it counterclockwise). Take off the used sandpaper disc and place a new one on the sanding pad. Fasten it with the sandpaper holder.



Unscrewing the Center Bolt



Installing Sandpaper Disc

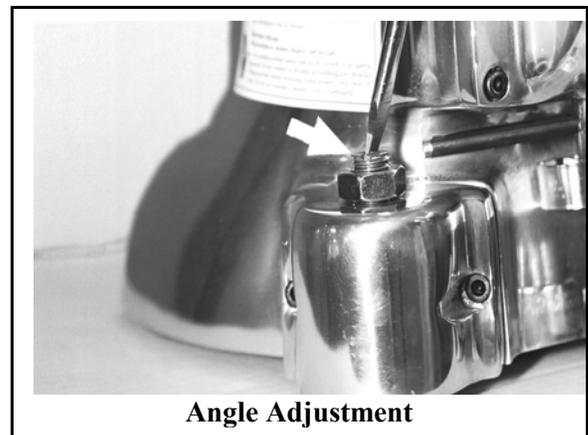
Types of Sandpaper Discs

- If you want to remove surface coatings from **old floors** such as varnish, wax polishes and stain use 12 Grit. Do **not** use it on **new even** floors!
- If you want to do a first sanding of a **new even** floor use 36 Grit. You can also use it for a **second sanding** of **old** wood floor.
- If you want to do a **final sanding** on a **new** or **old** wooden floor use 80 Grit.
- If you want a very fine finish on any kind of floor use 120 Grit.

How to Adjust the Angle of the Sanding Pad to the Floor

The goal is to adjust the angle of the Sanding Pad so its front center part slightly touches the floor. The process is the same on both sides. Follow these steps:

- Make sure you are on a flat surface. Use a $\frac{3}{4}$ " crescent or open-ended wrench to twist off the cap nuts on top of each caster adjusting shaft. (Turn counterclockwise).
- Loosen the locking nuts to provide for adjustment. Fit a flat screwdriver into the screw-slot of an adjusting shaft. Turn it clockwise to heighten the caster. This puts more pressure towards the outer edge of the sanding pad. Turn it counterclockwise to lower the caster. This puts more pressure towards the center of the sanding pad. Adjust both sides until you have the desired angle.
- Tighten the locking nuts. (Turn clockwise).
- Replace the cap nuts.

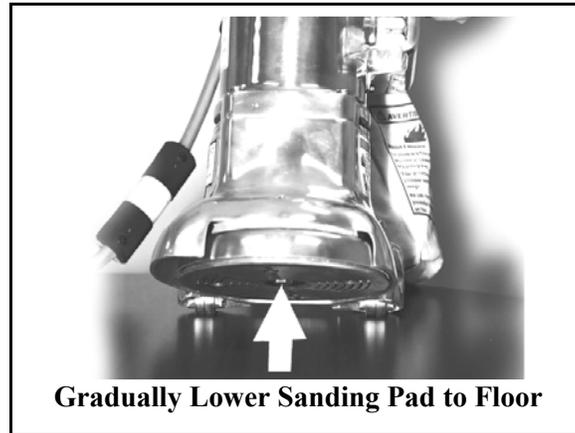


HOW TO OPERATE THE MACHINE

Operation Procedure

- Move the machine to your area of work. Inspect the area to ensure it is safe to work in. Remove any obstacles and flammable substances. Use a hammer and punch to sink any floorboard nails.
- With the power switch in the "OFF" position connect the machine's plug to the extension cord and then to the electrical power source.
- Choose either the high or low speed position by flicking the high/low switch.

- Tilt the machine back by holding both handles so the sandpaper disc does not touch the floor.
- Put the power switch to the “ON” position.
- Keep the machine moving slightly from side to side as you lower the sandpaper disc to the floor surface. Keep the machine moving as you sand the floor.
- Do not press down or apply weight to the machine. Its weight is sufficient for all types of sanding.



MAINTENANCE



Warning: Only trained people should do routine maintenance. Repairs should only be done at authorized service centers.



Warning: Always turn the power switch to the “OFF” position and disconnect the machine’s electrical plug prior to doing any maintenance.

The Dust Control System

If you do not remove the dust from the dust bag when it is 1/3 full it can decrease the efficiency of the dust control system. Always remove the dust each time you finish using the machine.

Removing Dust Pipe Obstructions

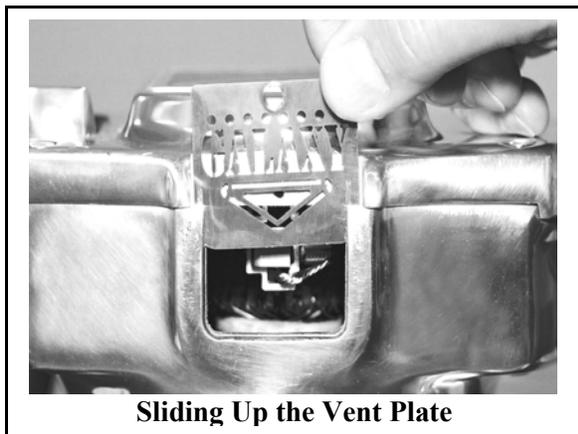
- Turn the power switch to the “OFF” position and unplug the machine from its electrical power source.
- Remove the dust bag and empty the dust in an outside containable garbage disposer.
- Remove the screws that attach the dust pipe to the machine’s casing.
- Remove the dust pipe and inspect it for any clogs or obstacles. Clean the dust pipe and its port.
- Re-install the dust pipe.



How to Check and Replace the Carbon Brushes

The electric motor has two carbon brushes, one behind a front vent plate and the other behind a rear vent plate. If replacement is required always replace both carbon brushes. Follow these steps:

- Turn the power switch to the “OFF” position and unplug the machine from its electrical power source.
- Remove the screw on one of the vent plates. Slide it out of its grooved channel.
- Put your finger on the exposed metal tab. Push and release it to remove the Brush Holder Spring. Pull on the copper shunt wire and the carbon brush will come out. Inspect it. If it is over ¼” in length and its wear is even it does not need to be replaced. Wipe it with a clean dry cloth and push it back in. Push the Brush Holder Spring in and release it. It should stay locked in.
- If the carbon brush is less than ¼” in length or its wear is uneven it needs to be replaced. Pull down on the wire as near as you can to the terminal. It will slide out. Reverse the procedure.
- Always replace both carbon brushes even if only one requires replacement.

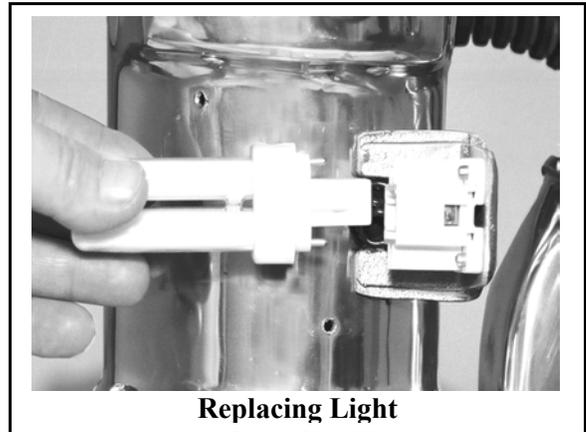


How to Replace the Compact Florescent Light

- Turn the power switch to the “OFF” position and unplug the machine from its electrical power source. Unscrew the two screws on the light housing.
- Take off the light housing.
- Pull the light straight out. It is clipped but with a little effort it comes out.
- Replace the light. Push and it will lock back in.
- Reattach the light housing.



Light Housing and screws



Replacing Light

Changing the Drive Belt (Follow the Five Sequences of Steps)

These Special Tools Are Required: Contact Your Dealer



**Disc Removal Bar & Locking Nut
Remover**

1. Remove the Sandpaper Disc.

2. Remove the Sanding Pad.

- Insert a screwdriver down and in-between two vacuum fan blades. This will be used to prevent spin and create resistance while you unscrew the Sanding Pad with the Disc Removal Bar (Part # 697). With one hand on the screwdriver and the other on the Disc Removal Bar turn the bar counterclockwise while letting the screwdriver's shaft jam tightly on the machine's housing.
- Remove the Sanding Pad.

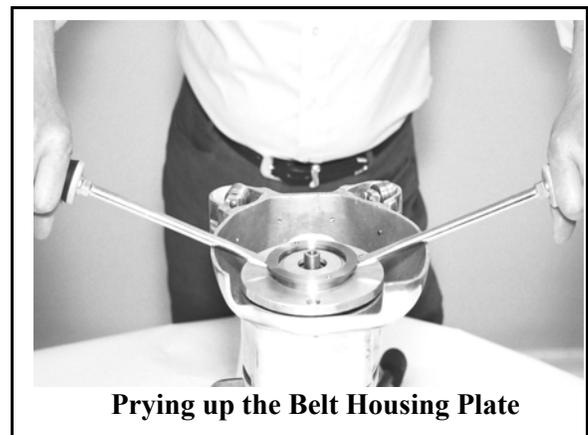
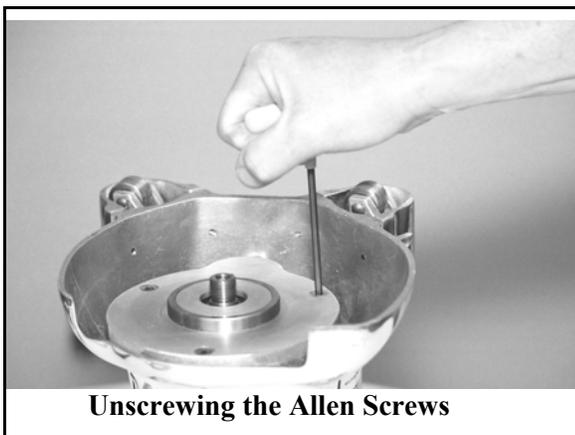


3. Remove the exposed large Locking Nut and the Disc Guard.

- Use a wrench or ratchet on the Locking Nut Remover (Part #698) to unscrew the large Locking Nut.
- Remove the large Locking Nut and the Disc Guard.

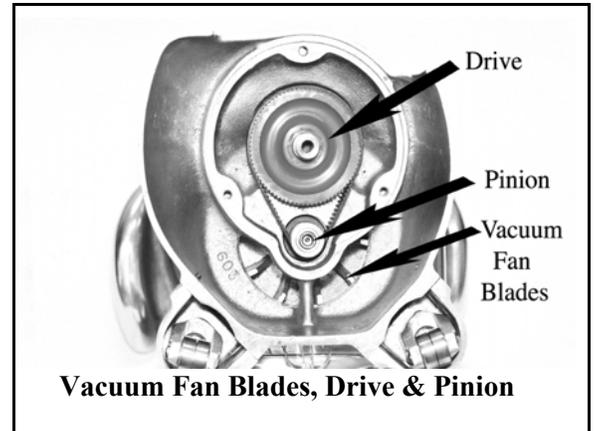
4. Take off the Belt Housing Plate.

- Unscrew the 5/32" Allen screws. Hand-tighten the large Locking Nut back on. You will use it as a rim to pry up the Belt Housing Plate.
- With two large screwdrivers placed at about 180 degrees apart and inserted under the rim of the Locking Nut gently push down with both hands. This acts as a lever. The Belt Housing Plate will come up.



5. Replace the Drive Belt

- Insert a screwdriver in between two vacuum fan blades. Use a ¼” Allen key to remove the pinion pulley. Turn counterclockwise. Remove the belt.
- To install the new belt wrap it around the pinion pulley. Make sure the teeth mesh with the grooves. Slide the pinion back onto the armature shaft while sliding the belt onto the drive pulley. Make sure the teeth mesh with the grooves. Retighten the pinion pulley.
- To put all the parts back together reverse the procedure.

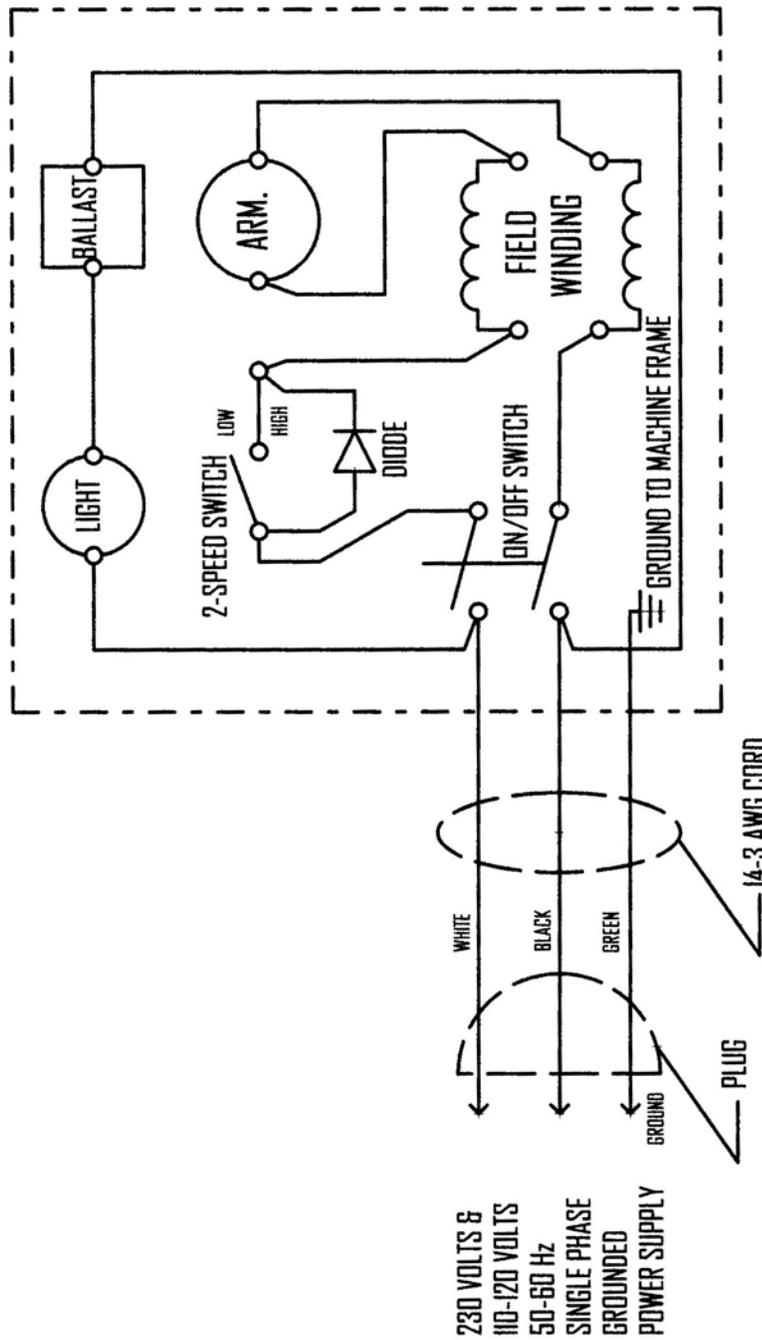


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Galaxy Elite 3 Wiring Diagram

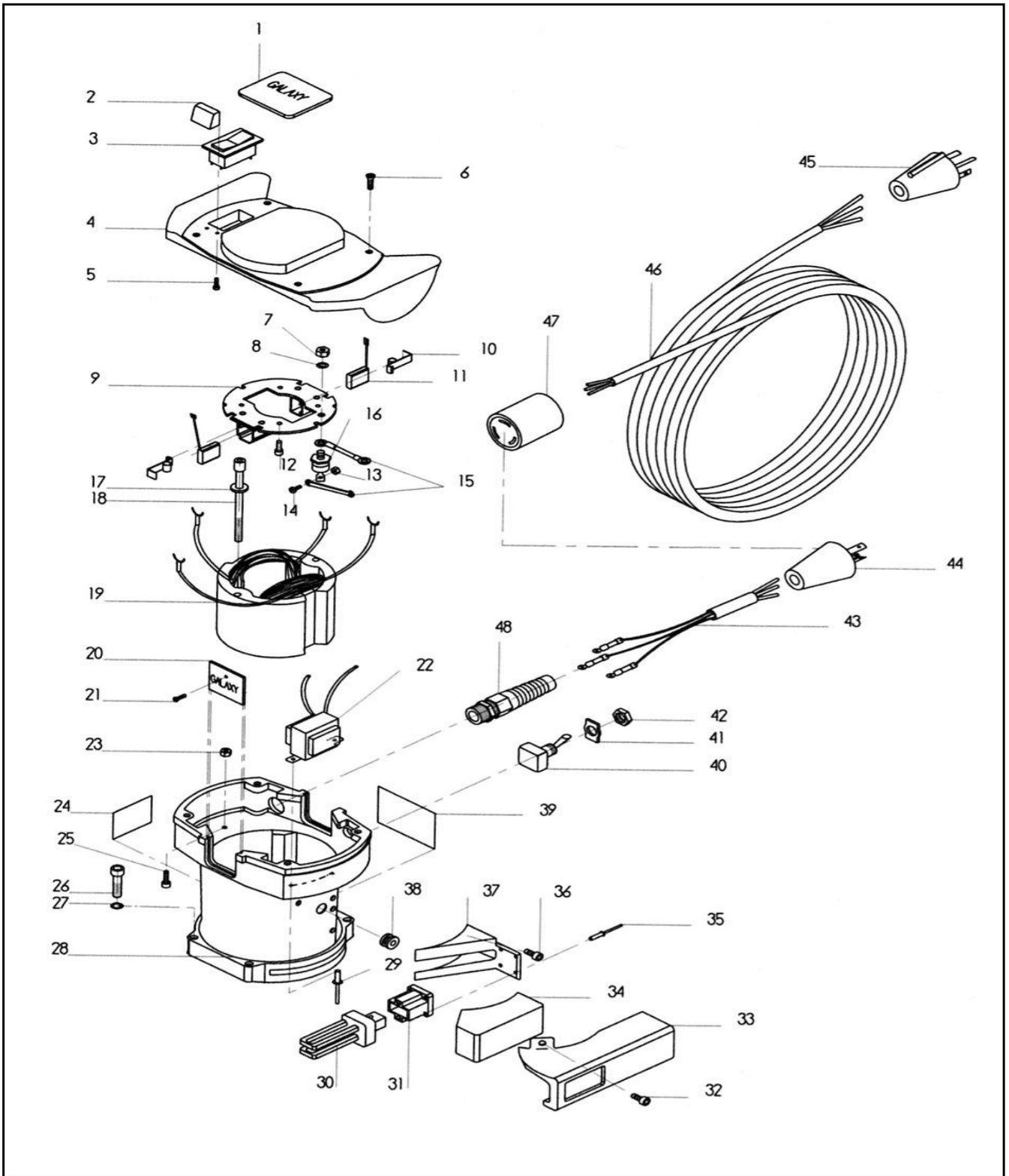


WIRING DIAGRAM - ELITE-3 EDGER

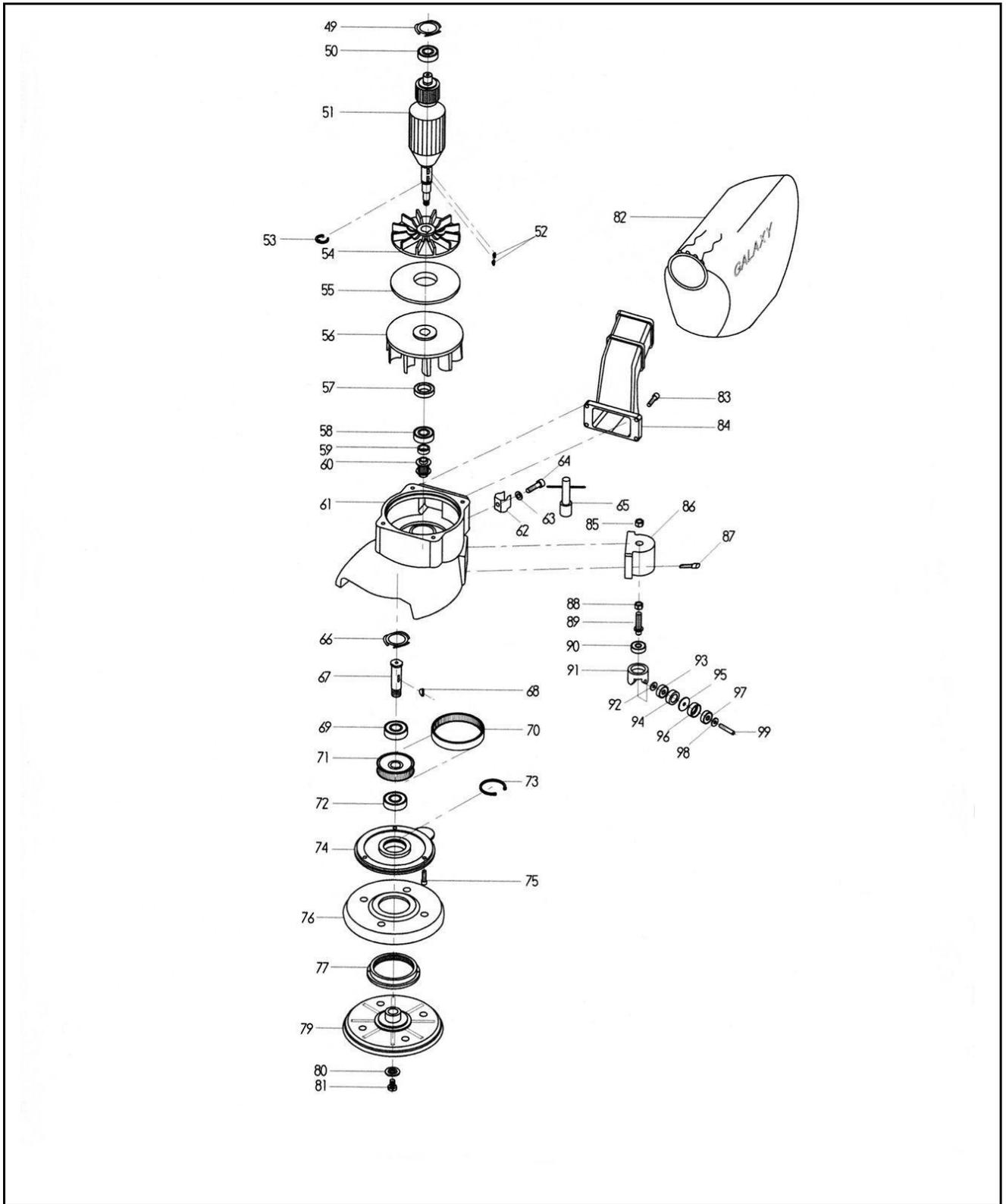


Warning: Only people authorized by Galaxy Floor Sanding Machines should do repairs. Electricity can injure and even kill you!

Galaxy Elite 3 Edger Parts Drawing: Top of Machine



Galaxy Elite 3 Edger Parts Drawing: Bottom of Machine



Galaxy Elite 3 Edger Parts List

Reference #	Description	Part #
1	Plate – Name	612
2	Guard – Switch	613
3	Switch – On/Off	614
4	Housing – Top	601
5	Screw -	615
6	Screw – #10-24 x 1 S.S. Flat	616
7	Nut – ¼-20	617
8	Washer – Lock	618
9	Assembly – Brush Card	619
10	Spring – Brush	620
11	Brush – Motor	622
12	Screw - #8-32 x 1/2	126
13	Nut - #6-32 Lock	127
14	Screw - #6-32 x 3/8	258
15	Assembly – Lead Wire	623
16	Rectifier – Half Wave	624
17	Washer - #10 Flat	117
18	Screw - #10-24 x 3 Soc. Cap	625
19	Field Assembly – 115v	626
	Field Assembly – 230v	726
20	Cover – Vent	627
21	Screw - #6-32 Flat	628
22	Ballast – 115v	629
	Ballast – 230v	729
	Ballast – 230v 50hz	730
23	Nut – #10-32 Lock	205
24	Label – Specifications 115v	630
	Label – Specifications 230v	731
25	Screw - #10-24 x 3/8	170
26	Screw – ¼-20 x 1 ½ S.S.	632
27	Washer – Lock S.S.	633
28	Housing – Field Assembly	602
29	Rivet – 5/32 x 5/8	634
30	Bulb – Compact Fluorescent 9W	635
31	Socket – Bulb	636
32	Screw - #10-24 x ½ Soc. Cap	86
33	Guard – Light	637
34	Lens – Light	638
35	Rivet – 1/8 x ¾	639
36	Screw - #10-24 x ½ Soc. Cap	86
37	Bracket – Light Support	640
38	Insulator – Rubber	642
39	Label – Warning	643
40	Switch – High/Low	644

41	Plate – Hi/Lo	645
42	Nut – Retaining	646
43	Cord – Pigtail Assembly 115v Cord – Pigtail Assembly 230v	647 747
44	Plug – 115v Male Twist Lock Plug – 230v Male Twist Lock	648 748
45	Plug – 115v Straight Blade Plug – 230v Straight Blade	649 749
46	Cord Assembly – 115v 50ft Cord Assembly – 230v 50ft	650 750
47	Plug – 115v Female Twist Lock Plug – 230v Female Twist Lock	652 752
48	Strain Relief - 115v Strain Relief – 230v	653 753
49	Washer – Spring	654
50	Bearing – 6202 2RS C3	52
51	Armature Assembly - 115v Armature Assembly – 230v	655 755
52	Key – 1/8 x 5/8 Woodruff	656
53	Ring – Retaining	657
54	Fan – Cooling	609
55	Baffle – Vacuum Fan	658
56	Fan – Vacuum	610
57	Seal – Dust	659
58	Bearing – 6202 2RS C3 Pinion Pulley – Complete	52 671
59	Spacer – Bearing	670
60	Pulley – Pinion	672
61	Housing – Belt	603
62	Clip – Wrench	673
63	Washer – Lock	674
64	Screw - #10-24 x 1/2	675
65	Wrench	676
66	Washer – Spring	677
67	Shaft – Drive Pulley	678
68	Key – 1/8 x 5/8 Woodruff	656
69	Bearing – 6203 2RS C3	355
70	Belt – Drive	679
71	Pulley – Drive	680
72	Bearing – 6203 2RS C3	355
73	Ring – Retaining	362
74	Cover – Belt Housing	605
75	Screw – 1/4-20 x 3/4 Flat Soc. Cap	268
76	Guard – Disc	606
77	Nut – Locking	682
78	Washer – Fiber	683
79	Pad – Sanding	684

80	Washer – Paper Retaining	685
81	Bolt – Paper Retaining	686
82	Bag – Dust	687
83	Screw - #10-24 x ½ Soc. Cap	86
84	Pipe – Dust	604
85	Nut – ½-13 Cap Nut	688
86	Housing – Caster Assembly	607
87	Screw - #10-24 x ¾	89
88	Nut – ½-13 Jam	689
	Caster Assembly – Complete	691
89	Stud – Caster Swivel	690
90	Bearing – Swivel 629 2RSL	692
91	Yoke – Caster	608
92	Spacer – Wheel	693
93	Bearing – Wheel 608-8mm 2RSL	694
94	Wheel	695
95	Spacer – Wheel	693
96	Wheel	695
97	Bearing – Wheel 608-8mm 2RSL	694
98	Spacer – Wheel	693
99	Pin - Wheel	696
	Disc Removal Bar (see page 9)	697
	Locking Nut Remover (see page 9)	698

Galaxy's Limited Warranty

Galaxy Floor Sanding Machines is the manufacturer and is hereafter referred to as "Galaxy." The Galaxy Elite 3 Edger, hereafter referred to as "the unit," is warranted to be free from defects in materials and workmanship for a period of one year from the date of purchase, when prepared, operated and maintained in accordance with the instructions in Galaxy's Elite 3 Edger Operator & Maintenance Instructions booklet and the following Conditions of Warranty are met.

Conditions of Warranty

- 1. Registration:** A completed Warranty Registration Card and a copy of the original sales receipt must have been placed in the mail addressed to Galaxy within fourteen (14) days of the date of original purchase.
- 2. Original Registered Owner:** This warranty only applies to the original registered owner. It is not transferable upon resale.
- 3. Normal Wear:** The warranty does not cover normal wear parts such as the drive belt and motor brushes. It does not cover reasonable wear and tear to other parts of the unit.
- 4. Qualifications:** Regardless of any statement Galaxy cannot determine a unit's qualification for warranty repair without physical inspection. The unit must not have been altered, modified or repaired by anyone other than those authorized by Galaxy. The serial number on the unit must not have been altered or removed. The unit must not have been subject to accident, misuse and abuse. It shall not have been let out or used as a rental unit. Galaxy's judgment in respect to the unit's qualification for warranty repair is final.
- 5. Proper Delivery of a Unit:** The owner must prepay the shipping charges to and from the repair location(s). If accessories are sent with the unit they must be individually listed on the packing slips or shipping documentation. Galaxy and/or its distributors shall not have any liability if there is a failure to comply with these instructions.
- 6. Limitations:** Galaxy's liability under this warranty is limited to the repair of the unit and/or replacement of its parts and is given to the original owner in lieu of all other remedies, including incidental and consequential damages. There are no express warranties other than those specified herein. There are no warranties beyond the description of the face hereof. No warranties, including but not limited to merchantability, shall be implied.



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