

# **POWERSMART<sup>®</sup>**

## **INSTRUCTION MANUAL**

### **Electric Chipper Shredder**

Model # PS12



Have product questions or need technical support? Please scan the QR code to enter our official website and contact us!

Website: [www.powersmartusa.com](http://www.powersmartusa.com)

Toll free: 1-800-791-9458 M-F 9-5 EST

Email: [support@amerisuninc.com](mailto:support@amerisuninc.com)



Website



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## **TECHNICAL DATA**

Electric Chipper Shredder	Model # PS12
Motor:	120 V,60Hz,15A
No load speed:	4100RPM
Branch diameter:	1-5/8 " (45mm)
Wheel size:	6.5 " (165mm)
Package dimensions (L x W x H):	23x15.6x19.3inches
Weight:	33.3 lbs

## **INTRODUCTION**

Thank You for Purchasing a PowerSmart® Product. This manual provides information regarding the safe operation and maintenance of this product. Every effort has been made to ensure the accuracy of the information in this manual. PowerSmart® reserves the right to change this product and specifications at any time without prior notice.

Please keep this manual available to all users during the entire life of the chipper shredder.



This manual contains special messages to bring attention to potential safety concerns, chipper shredder as well as helpful operating and servicing information. Please read all the information carefully to avoid injury and machine damage.

## **QUESTIONS? PROBLEMS?**

Please contact our Customer Service Dept. with any questions and/or comments, either by Email: support@amerisuninc.com, or Toll Free at (800)791-9458. We are available Mon-Fri 9am-5pm EST to help solve any issues that you might encounter.

## **SAFETY INFORMATION**

Before operating this chipper shredder, read and observe all warnings, cautions, and instructions on the chipper shredder and in this Owner's Manual.

**NOTE:** The following safety information is not meant to cover all possible conditions and situations that may occur. Read the entire Owner's Manual for safety and operating instructions. Failure to follow instructions and safety information could result in serious injury or death.

This safety alert symbol is used to identify safety information about hazards that can result in personal injury.



A signal word (DANGER, WARNING, or CAUTION) is used with the alert symbol to indicate the likelihood and the potential severity of injury. In addition, a hazard symbol may be used to represent the type of hazard.

**DANGER** Indicates a hazard, which, if not avoided, will result in death or serious injury.

**WARNING** Indicates a hazard, which, if not avoided, could result in death or serious injury.

**CAUTION** Indicates a hazard, which, if not avoided, might result in minor or moderate injury.

**CAUTION** Without the alert symbol, indicates a situation that could result in damage.

## **GENERAL SAFETY RULES**

Safety is a combination of common sense, staying alert, and knowing how your chipper shredder works. **SAVE THESE SAFETY INSTRUCTIONS.**



**WARNING:** Do not operate this unit until you read this instruction manual for safety, operation and maintenance instructions. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious personal injury.

### **WORK AREA SAFETY**

- Keep your work area clean and well lit. Cluttered and dark areas invite accidents.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust. Power tools create sparks which may ignite the dust or fumes.
- Keep bystanders, children, and visitors away while operating a power tool. Distractions can cause you to lose control.

### **ELECTRICAL SATETY**

#### **Grounding instructions**

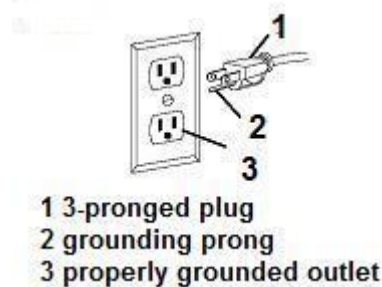
IN THE EVENT OF A MALFUNCTION OR BREAKDOWN, grounding provides the path of least resistance for electric current and reduces the risk of electric shock. This tool is equipped with an electric cord that has an equipment grounding conductor and a grounding plug. The plug **MUST** be plugged into a matching outlet that is properly installed and grounded in accordance with ALL local codes and ordinances.

**DO NOT MODIFY THE PLUG PROVIDED.** If it will not fit the outlet, have the proper outlet installed by a licensed electrician.

**IMPROPER CONNECTION** of the equipment grounding conductor can result in electric shock. The conductor with the green insulation (with or without yellow stripes) is the equipment grounding conductor. If repair or replacement of the electric cord or plug is necessary, **DO NOT** connect the equipment grounding conductor to a live terminal.

**CHECK** with licensed electrician or service personnel if you do not completely understand the grounding instructions, or if you are not sure if the tool is properly grounded.

**USE ONLY THREE-WIRE EXTENSION CORDS** that have 3-pronged plugs and outlets that accept the tool's plug as shown in Fig. A. Repair or replace a damaged or worn cord immediately.



**CAUTION:** In all cases, make certain the outlet in question is properly grounded. If you are not sure if it is, have a licensed electrician check the outlet.



**WARNING:** Do not expose to rain or use in damp locations.

### Guidelines for using extension cords

Make sure your extension cord is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. The table below shows the correct size to be used according to cord length and nameplate ampere rating. If in doubt, use the next heavier gauge. The smaller the gauge number, the heavier the cord.

#### Minimum Gauge for Extension Cords (AWG)

(When using 120 V only)

Ampere Rating		Total Length of Cord in feet			
More Than	Not More Than	25	50	100	150
0	6	18	16	16	14
6	10	18	16	14	12
10	12	16	16	14	12
12	16	14	12	Not Recommended	

Make sure your extension cord is properly wired and in good condition. Always replace a damaged extension cord or have it repaired by a qualified person before using it.

Protect your extension cords from sharp objects, excessive heat and damp or wet areas.

Use a separate electrical circuit for your tools. This circuit must not be less than a #12 wire and should be protected with a 15 A time-delayed fuse. Before connecting the motor to the power line, make sure the switch is in the OFF position and the electric current is rated the same as the current stamped on the motor nameplate. Running at a lower voltage will damage the motor.



**WARNING:** This tool must be grounded while in use to protect the operator from electric shock.

### PERSONAL SAFETY

- Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.
- Use safety equipment. Always wear eye protection. Dust mask, non-skid safety shoes, hard hat, or hearing protection must be used for appropriate conditions.
- Dress properly. Do not wear loose clothing or jewelry. Contain long hair. Keep your hair, clothing, and gloves away from moving parts. Loose clothes, jewelry, or long hair can be caught in moving parts.

- Avoid accidental starting. Be sure switch is off before connecting to power source and/ or battery pack, pick up or carrying the tool. Carrying power tools with your finger on the switch or energizing power tools that have the switch on invites accidents.
- Remove any adjusting key or wrench before turning the power tool on. A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- Do not overreach. Keep proper footing and balance at all times. Proper footing and balance enable better control of the power tool in unexpected situations.
- If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of dust collection can reduce dust-related hazards.

## **SERVICE**

- Tool service must be performed only by qualified repair personnel. Service or maintenance performed by unqualified personnel could result in a risk of injury.
- When servicing a tool, use only identical replacement parts. Follow instructions in the Maintenance section of this manual. Use of unauthorized parts or failure to follow Maintenance Instructions may create a risk of electric shock or injury.

## **SPECIFIC SAFETY RULES FOR CHIPPER SHREDDER**



**WARNING:** Do not operate your chipper shredder until it is completely assembled and installed according to the instructions.

- Before starting the chipper shredder, make sure that the hopper inlet is empty.
- Keep your face and body away from the opening.
- Do not allow hands or any other part of the body or clothing near the hopper or discharge chute.
- Never put your hands into the hopper while the chipper shredder is running. Always use the paddle supplied with your shredder to push items into the hopper.
- Do not try to force objects larger than the recommended diameter of 1-5/8" into the hopper.
- Keep proper balance and footing at all times. Do not overreach. Never stand at a higher level than the base of the tool when feeding material into chipper shredder.
- Always stand clear of the discharge zone when operating the chipper shredder. Never reach under the shredder until it has come to a complete stop.
- When feeding material into the chipper shredder be careful to remove pieces of metal, rocks, bottles, cans or other foreign objects that may damage the blades.
- If the cutting mechanism strikes a foreign object or if the chipper shredder should start making any unusual noise or vibration, turn it off and allow it to come to a complete stop. Disconnect from power supply and take the following steps:
  - Inspect for damage.
  - Check for and tighten any loose parts.



**WARNING:** Never reach into the hopper until the chipper shredder has come to a complete stop and is unplugged. The blades will continue to rotate for a few seconds after the shredder is turned off.

- Do not allow processed material to build up in the discharge zone; this may prevent proper discharge and can result in kickback of material through the hopper.














**WARNING:** Never put your hands near the discharge chute. Failure to heed the warning could result in serious injury.

- If the shredder becomes clogged, turn it OFF and disconnect from power supply before clearing debris. Keep the power source clear of debris and other accumulations to prevent damage to the power source.
- Keep all guards and deflectors in place and in good working condition.
- Do not operate the chipper shredder on a paved or gravel surface where ejected material could cause injury.
- Turn off the chipper shredder and disconnect it from the power supply whenever you leave the work area.
- Do not tilt the chipper shredder while it is running.
- Never reach into the hopper until the chipper shredder has come to a complete stop and has been disconnected from the power supply.



## SYMBOLS

Some of the following symbols may be used on this product. Please study them and learn their meaning. Proper interpretation of these symbols will allow you to operate the product better and safer.

SYMBOL	NAME	DESIGNATION/EXPLANATION
V	Volts	Voltage
A	Amperes	Current
Hz	Hertz	Frequency (cycles per second)
W	Watts	Power
MIN	Minutes	Time
	Double Insulation	Class II construction Double Insulated construction
	Safety Alert	Precautions that involve your safety.
	Read the user's manual	To reduce the risk of injury, user must read and understand user's manual before using this product.
	Eye and hearing protection	For protection against injury, wear ear defenders and safety goggles.
	Wear protective gloves	Wear protective gloves when using the machine and handling debris.
	SWITCH OFF!	Remove plug from outlet before cleaning or conducting maintenance checks.
	DANGER! ROTATING BLADES	Keep hands and feet away from openings while the unit is running.
	Keep bystanders away	Keep bystanders a safe distance away from the work area.
	Ricochet	Thrown objects and rotating blade can cause severe injury.
	Wet conditions alert	Do not expose to rain or use in damp locations.
	Electric shock alert	Beware of electric shock hazard.

**KNOWING YOUR ELECTRIC CHIPPER SHREDDER**



**Fig.1**

- |   |                                 |    |                   |
|---|---------------------------------|----|-------------------|
| 1 | Loading funnel inlet            | 8  | Transport handle  |
| 2 | Loading funnel                  | 9  | Mains plug        |
| 3 | Motor housing with cutter plate | 10 | Mounting for prod |
| 4 | Prod                            | 11 | On/Off switch     |
| 5 | Complete chassis                | 12 | Release screw     |
| 6 | Wheels                          | 13 | Trash can         |
| 7 | Axle                            |    |                   |

# ASSEMBLY INSTRUCTION

**WARNING:**

Do not use this product if any parts on the packing list are already assembled to your product when you unpack it. Parts on this list are not assembled to the product by the manufacturer and require customer installation. Use of a product that may have been improperly assembled could result in serious personal injury.

**WARNING:**

If any parts are damaged or missing do not operate this product until the parts are replaced. Use of this product with damaged or missing parts could result in serious personal injury.

**WARNING:**

Do not attempt to modify this product or create accessories not recommended for use with this product. Any such alteration or modification is misuse and could result in a hazardous condition leading to possible serious personal injury.

**WARNING:**

Do not connect to power supply until assembly is complete. Failure to comply could result in accidental starting and possible serious personal injury.

## Unpacking

Unpack the chipper shredder and all its parts, and compare against the list below. Do not discard the carton or any packaging until the chipper shredder is completely assembled. Please call 1-800-791-9458 or E-mail us at [support@amerisuninc.com](mailto:support@amerisuninc.com) if any parts are damaged or missing.



**Fig.2**

a	Chipper shredder	h	Prod
b	Trash Can	i	Screw for chassis assembly
c	Wheel	j	Mounting for prod
d	Axle	k	Screw for non-kicking foot
e	Complete chassis	l	Washer, outside
f	Hex-wrench	m	Wheel fastening screw
g	non-kicking foot	n	Sleeve



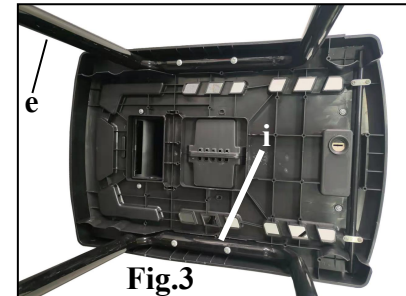
**WARNING:** Before you connect the equipment to the mains supply make sure that the data on the rating plate are identical to the mains data.



**WARNING:** Always pull the power plug before making adjustments to the equipment.

### Assembling the chassis(Fig.3)

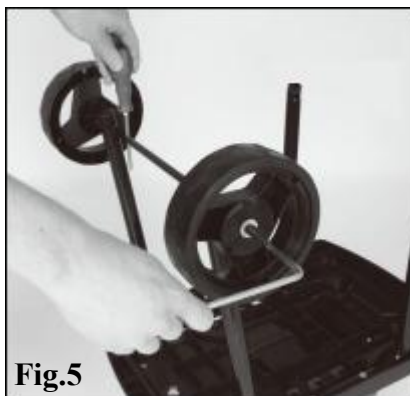
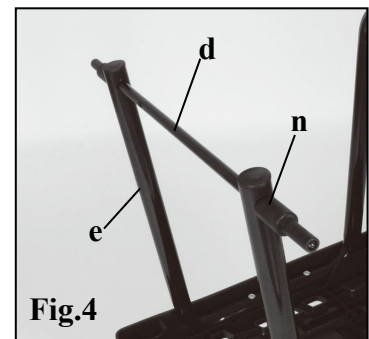
- Place the motor housing upside down on the floor.
- Insert the chassis (e) into the provided openings.
- Secure the chassis with four screws(i).



### Assembling the axle and wheels (Fig.4/6)

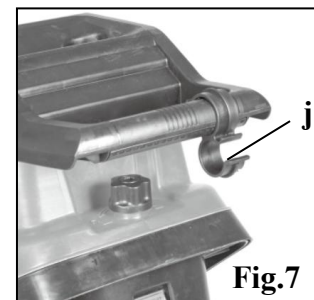
Mount the chassis as shown in Figs. 4-6.

- Insert the axle (d) through the chassis(e).
- Fit the sleeves (n) on both sides.
- Attach the wheels(c) on both sides.
- Insert a screwdriver through the holding hole on the axle and secure the wheels with the screws as shown in Fig.5.
- Then fit the round plastic caps to the wheels.
- Insert the chassis in the direction of arrow to the non-kicking foot(g) provided openings as far as it will go. Then secure it with the screws(k) on both sides as shown in Fig.6.



### Fitting the prodder holder (Fig.7)

Press the holder for the prodder (j) onto the transport handle as shown in Fig.7.



## Fitting the collection box(Fig.8/9)

Fit the supplied trash can to the equipment. Put the trash can into the chassis in the direction of the arrow as shown in Fig.8 , lock it with the handle upside as shown in Fig.9. Unlock it down.



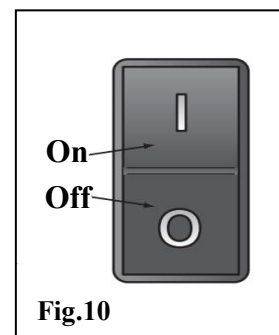
## OPERATING INSTRUCTION



**WARNING:** To reduce the risk of injury, turn unit off, disconnect it from power source before installing and removing accessories, before adjusting or when making repairs. An accidental start-up can cause injury.

### Connecting up the machine and switching it on(Fig.10)

- Connect the coupling on the equipment connection cable (extension) to the power cable. Be sure to observe the relevant information in the safety instructions.
- The machine can be switched ON (switch position “I”) and OFF (switch position “O”) using the ON/OFF switch.



**Note:** The machine cannot be switched on if there is no voltage being supplied to it. If the power supply is interrupted, the machine will switch off automatically (switch position “O”). The machine cannot be switched on again until the voltage supply has been re-established and the ON/OFF switch has been moved to position “I”.

### Overload protection

(motor circuit-breaker)

- The motor is protected from overloads by an overload switch.
- In case of overloading the equipment will shut down automatically. To restart, set the On/Off switch to the position “I”.
- If the motor fails to start, clean the ejector chute.

## Practical tips(Fig.11)



**WARNING:** Important! Wear work gloves! Risk of injury from the cutters.

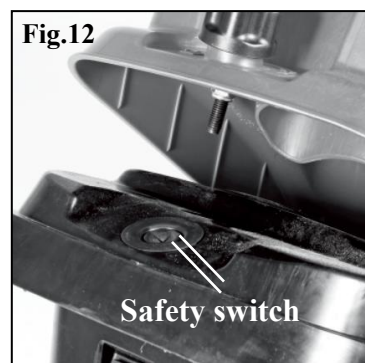
- Be sure to observe the safety instructions.
- Wear work gloves, goggles and ear protection.
- The material is drawn into the shredder automatically. CAUTION! Long pieces of material projecting out of the funnel inlet may whiplash when it is drawn in – keep a safe distance between yourself and the machine.
- Judge the quantity of material which you put into the funnel inlet so that the funnel does not clog.
- If you want to shred withered, damp material that has been lying in the garden for several days, alternate between putting in this material and branches. This will help to prevent the loading funnel becoming clogged with material.
- Do not shred soft waste (e.g. kitchen waste) – put it straight in the compost box.
- Entangled branches and leaves should be thoroughly shredded before loading any more material.
- Do not allow the discharge opening to become clogged with shredded material – risk of pile-ups.
- Do not cover the ventilation slits.
- Do not place heavy material or thick branches into the machine continuously. This may cause the blade to jam.
- Use the prodder to remove jammed objects from the funnel inlet, use a hook to remove jammed objects from the ejector opening.
- Swing open the loading funnel by opening the release screw and remove it (see Fig.11). You can now remove blockages from the inside of the equipment. To assemble, proceed in reverse order.



## Safety(Fig.12)

The shredder has a **safety switch** in its interior on the motor housing . The control unit (release screw) for it is located on the loading funnel as shown in Fig.12.

If the loading funnel is not perfectly positioned or if it is not pressed against the motor housing, the safety switch will trip and prevent the motor from working. If this situation occurs, open the loading funnel as described above. Carefully clean the interior. Close the loading funnel again as described above and ensure that when you switch on the machine again the loading funnel is correctly positioned and the safety screw is screwed right in.



**WARNING:** NEVER undo the release screw without first switching off the machine at the ON/OFF switch and disconnecting the coupling on the machine connection cable (extension) from the machine plug.



## MAINTENANCE



**WARNING:** In order to avoid personal injury and the risk of fire and electric shock, always pull out the mains power plug before adjusting, inspecting, or cleaning the power tool.



**WARNING:** When servicing, use only identical replacement parts. Use of any other parts could create a hazard or cause product damage.

### Replacing the power cable



**WARNING:** If the power cable for this equipment is damaged, it must be replaced by the manufacturer or its after-sales service or similarly trained personnel to avoid danger.

### Replace, sharp and change blades(Fig.13-15)

The blades on the blade plate are replaceable. If you have to replace any blade, you must only use genuine blades to ensure that they meet the relevant quality and safety criteria.



**WARNING:** For safety reasons we recommend that you have all sharpening and blade replacement work carried out by a specialist workshop.

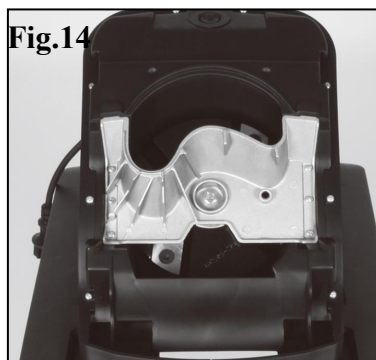


**WARNING:** Always wear heavy duty working gloves.

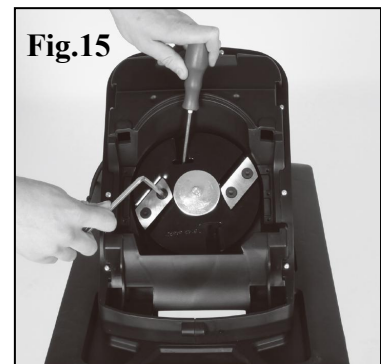
- Swing open the loading funnel by opening the release screw (Fig.13) and remove it.
- Undo the six Philips screws and remove the cover plate (Fig.14) .
- Secure the rotary disk so that it cannot rotate (for example by jamming it with a screwdriver, see Fig.15)
- Undo the four blade screws and remove the blades.
- Each of the blades can be turned once as they are ground sharp on both ends. Then they must be replaced by new blades.



**Fig.13**



**Fig.14**



**Fig.15**

To assemble, proceed in reverse order.

## Maintenance and storage

Clean the machine regularly. This will help to keep the machine in good working order and is the basis for a long working life.

- Keep the vent slots clean while you work.
- Clean the plastic body and other plastic parts with a mild household cleaning agent and a damp cloth. Do not use any aggressive agents or solvents for cleaning purposes.
- Never clean the shredder by spraying with water.
- Prevent water getting inside the machine at all cost.
- Check the chassis securing screws from time to time to ensure that they are tight.
- If you do not intend to use the shredder for a lengthy period, protect it from corrosion using environmentally friendly oil.
- Store the device in a dry room.
- Store the device out of reach of children.
- When you have finished your work, pull the loading funnel forwards and clean the inside.
- Use a brush to remove deposits from metal parts on the inside. Apply a thin coating of oil to the cleaned blade plate and blades.
- When you close the loading funnel, make sure that the safety switch and the release screw are clean.

## TROUBLE SHOOTING

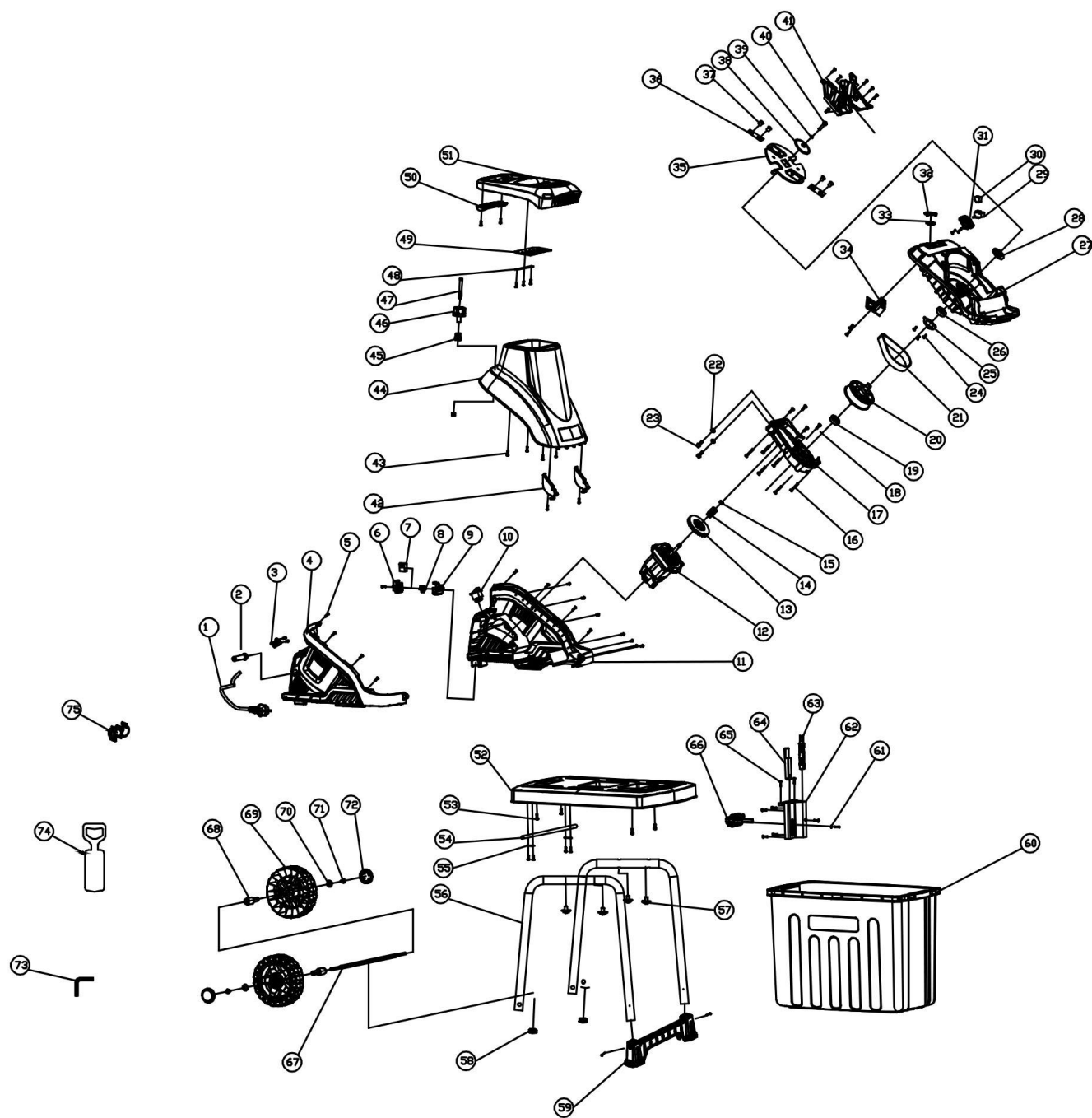


**WARNING:** Read instruction manual first! Remove battery pack from the tool before making adjustments or assembling accessories.

Problem	Possible Cause	Possible Solution
The motor does not run.	Power failure/unit not plugged into a working receptacle.	Check to make sure unit is plugged into a working outlet.
	The overload protection has responded.	Press control on overload switch.
	The hopper is opened.	Check to make sure the hopper is secured and the lock knob is tightened.
The material to be chopped is not pulled in.	The material is jammed in the feed inlet.	Disconnect the power supply and open the hopper. Pull the material from the feed inlet. Replace the hopper.
	The cutting blade is blocked.	Disconnect the power supply and open the hopper. Open the blade cover. Remove the blocked material and replace the blade cover and hopper.
	The discharge chute is blocked.	Disconnect the power supply and open the hopper. Open the plate of the discharge chute to clear the blocked material.
Shredding performance unsatisfactory	Blades worn	Turn, sharpen or replace blades



**EXPLODED VIEW**



## **PARTS LIST**

<b>Item</b>	<b>Stock#</b>	<b>Description</b>	<b>Qty.</b>	<b>Item</b>	<b>Stock#</b>	<b>Description</b>	<b>Qty.</b>
1	PS12A-001	Cable line	1	34	PS12A-034	PC board	1
2	PS12A-002	Cable sheath	1	35	PS12A-035	Cutter head	1
3	PS12A-003	Cable line	1	36	PS12A-036	blade	2
4	PS12A-004	Right motor cover	1	37	PS12A-037	bolt	4
5	PS12A-005	Screw	44	38	PS12A-038	Pressing block	1
6	PS12A-006	Upper cover of forced release switch box	1	39	PS12A-039	Spring washer	1
7	PS12A-007	Duplex switch	1	40	PS12A-040	bolt	1
8	PS12A-008	Switch lock cylinder	1	41	PS12A-041	Knife guard	1
9	PS12A-009	Lower cover of forced release switch box	1	42	PS12A-042	Upper cover fixing hook	2
10	PS12A-010	Switch	1	43	PS12A-043	Screw	4
11	PS12A-011	Left motor cover	1	44	PS12A-044	up housing	1
12	PS12A-012	motor assy	1	45	PS12A-045	Knob compression spring	1
13	PS12A-013	Fan	1	46	PS12A-046	Knob	1
14	PS12A-014	Small belt wheel	1	47	PS12A-047	Knob screw	1
15	PS12A-015	nut	2	48	PS12A-048	Batten	1
16	PS12A-016	Screw	6	49	PS12A-049	Chip baffle	1
17	PS12A-017	Belt box	1	50	PS12A-050	Handle cover	1
18	PS12A-018	Screw	4	51	PS12A-051	Feed hopper (45mm)	1
19	PS12A-019	Bearing	1	52	PS12A-052	base	1
20	PS12A-020	big belt wheel	1	53	PS12A-053	Screw	4
21	PS12A-021	Multi belt	1	54	PS12A-054	Pipe support rod	1
22	PS12A-022	nut	2	55	PS12A-055	Pipe support pressing plate 1	2
23	PS12A-023	nut	2	56	PS12A-056	Pipe	2
24	PS12A-024	Screw	3	57	PS12A-057	Screw	4
25	PS12A-025	Bearing tablet	1	58	PS12A-058	Elbow plug	2
26	PS12A-026	Bearing	2	59	PS12A-059	Support foot	1
27	PS12A-027	lower housing	1	60	PS12A-060	trash can	1
28	PS12A-028	Drive block	1	61	PS12A-061	Flat pad	1
29	PS12A-029	Duplex switch	1	62	PS12A-062	Forced release switch box	1
30	PS12A-030	nut	1	63	PS12A-063	Switch lever	1
31	PS12A-031	Switch holder	1	64	PS12A-064	Dustbin switch insert	1
32	PS12A-032	small cover	1	65	PS12A-065	Screw	2
33	PS12A-033	Dust cap	1	66	PS12A-066	Forced release switch handle	1

<b>Item</b>	<b>Stock#</b>	<b>Description</b>	<b>Qty.</b>
67	PS12A-059	Wheel shaft	2
68	PS12A-060	Wheel shaft sheath	2
69	PS12A-061	wheel	2
70	PS12A-062	Flat washer	4
71	PS12A-063	Bolt	2
72	PS12A-064	Stuffy cover	2
73	PS12A-065	inner hexagon spanner	1
74	PS12A-066	Push sticker	1
75	PS12A-067	hook	1

## **TWO (2) YEARS LIMITED WARRANTY**

PowerSmart® is committed to building tools that are dependable for years. Our warranties are consistent with our commitment and dedication to quality.

### **TWO (2) YEARS LIMITED WARRANTY OF POWERSMART PRODUCTS FOR HOME USE.**

PowerSmart ("Seller") warrants to the original purchaser only, that all PowerSmart consumer power tools will be free from defects in material or workmanship for a period of two (2) years from date of purchase. Ninety (90) days for all PowerSmart Products, if the tool is used for professional or commercial use.

SELLER'S SOLE OBLIGATION AND YOUR EXCLUSIVE REMEDY under this Two (2) Years Limited Warranty and, to the extent permitted by law, any warranty or condition implied by law, shall be the repair or replacement of parts, without charge, which are defective in material or workmanship and which have not been misused, carelessly handled, or misrepaired by persons other than Seller or Authorized Service Center. To make a claim under this Limited Warranty, you must return the entire power tool product; transportation prepaid, to PowerSmart Include a legible copy of the original receipt, which lists the date of purchase (month and year) and the name of the company purchased from.

THIS LIMITED WARRANTY DOES NOT APPLY TO ANY ACCESSORY ITEMS INCLUDED WITH THE TOOL SUCH AS CIRCULAR SAW BLADES OTHER RELATED ITEMS OR TO ANY REPLACEMENT PARTS LISTED UNDER MAINTENANCE.

ANY IMPLIED WARRANTIES SHALL BE LIMITED IN DURATION TO TWO (2) YEARS FROM DATE OF PURCHASE. SOME STATES IN THE U.S. AND SOME CANADIAN PROVINCES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.

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