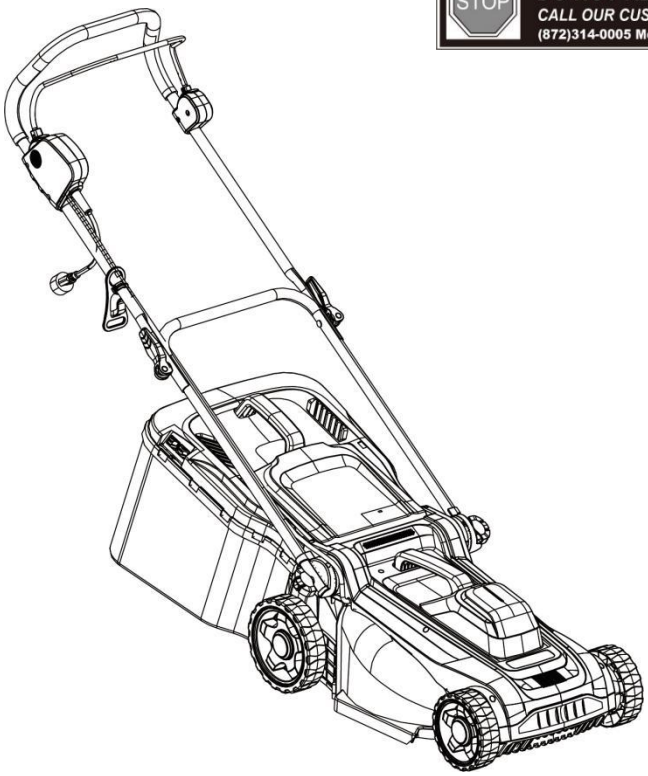
POWER SMART®

INSTRUCTION MANUAL

ELECTRIC LAWN MOWER

Model # DB8015



Have product questions or need technical support? Please feel free to contact us!

Website: www.powersmartusa.com

Toll free: 1-872-314-0005 (Mon-Fri 9-5 EST)

Email: support@amerisuninc.com / support@powersmartusa.com

Website

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TECHNICAL DATA

Electric Lawn Mower	Model # DB8015
Motor:	120V,60Hz,12.5A
Voltage:	1500W
No-load Speed:	3400RPM
Cutting Width:	14 inch
Cutting Height:	1.0 inch~3.0 inch(6 steps)
Grass Catcher Capacity:	10Gallon
Protection type:	IPX4
Wheel:	Front:6 inch / Rear: 7 inch
Package Dimensions (l x w x h):	26 x 16.6 x 13.2 inch
Gross Weight:	32 lb.

SAFETY INFORMATION

General Safety Rules

Read All Instructions Carefully
Read and understand all safety and operational instructions. Failure to follow the safety rules listed below and other basic safety precautions may result in serious personal injury. Keep this manual, sales receipts and applicable warranty forms for future reference.



WARNING: when using electric lawn mowers, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and personal injury, including:

- Carefully read all instructions on the mower and in the manual before attempting to assemble and operate the mower. Keep this manual in a safe place for future reference, and consult it regularly.
- Become familiar with all controls and their proper operation. Know how to stop the mower and how to disengage the power in an emergency.
- In order to avoid contact with the blade or injury caused by a thrown object, stay in the operating zone behind the handles, and keep children and bystanders at least 100' (30 m) away from the mower while it is in operation. Stop the motor immediately if someone enters the mowing area.
- Thoroughly inspect the area where the mower is to be used. Remove all stones, sticks, wire, bones, toys, and other objects that could be tripped over or thrown by the blade. Thrown objects can cause serious personal injury.
- Plan your mowing pattern in such a way as to avoid discharging material toward roads, sidewalks, bystanders, etc. Do not discharge material against a wall or obstruction. Doing so may cause the discharged material to ricochet back toward the operator.
- Always wear proper eye protection that complies with ANSI Z87.1 in order to protect your eyes while operating or performing any adjustment or repair. Thrown objects that ricochet can cause serious eye injury.
- Always wear a face mask or a dust mask when operating the mower in a dusty environment.
- Dress properly. While mowing, always wear substantial footwear and long trousers. Do not

operate the product when barefoot or wearing open sandals. Avoid wearing clothing that is loose

fitting or that has hanging cords or ties.

- Many injuries occur as a result of the mower being pulled over the operator's foot during a fall caused by slipping or tripping. Do not operate this mower in bare feet, or while wearing sandals or lightweight (e.g., canvas) shoes. Do not hold on to the mower if you are falling. Release the handle immediately.

Never pull the mower back toward you while you are walking. If you must back the mower away from a wall or an obstruction, first look down and behind in order to avoid tripping, and then follow these steps:

- Step back from the mower in order to fully extend your arms.
- Be sure that you are well balanced.

- Pull the mower back slowly.
- Do not use the mower for any job except that for which it is intended. Do not force the mower.
- Do not operate the mower while under the influence of alcohol or drugs.
- Stay Alert: Do not operate the mower when you are tired. Pay attention to what you are doing. Use common sense.
- Do not put hands or feet near rotating parts or under the cutting deck. Contact with the blade can amputate hands and feet.
- Do not attempt to adjust the wheels or the cutting height while the motor is running.
- Avoid dangerous environments. Do not operate the mower in the rain or in wet or damp grass.
- Mow only in daylight or in good artificial light. Do not rush a mowing job.
- Stop the blade when crossing gravel driveways, walkways, or roads.
- If the mower starts to vibrate excessively, stop the motor, pull plug off and check for the cause immediately. Vibration is generally a sign that the mower is not working properly or needs repair.
- Stop the motor and wait until the blade comes to a complete stop before removing the grass catcher or unclogging the chute. The cutting blade will continue to rotate for a few seconds after the motor is shut off. Do not place any part of your body in the blade area until you are sure that the blade has stopped rotating.
- Never operate mower without a proper trail shield, discharge cover, grass catcher, switch control, or other safety device in place and in working order. Do not operate the mower with damaged safety devices. Doing so can result in injury.
- Don't force lawn mower. It will do the job better and safer at the rate for which it was designed.
- Store idle lawn mower indoors. When not in use, lawn mower should be stored in an indoor dry and look-up place, out of reach of children.
- Maintain lawn mower. Keep cutting edges sharp and clean to ensure the best performance and safety.

If lawn mower strikes a foreign objects follow these steps:

1. Stop lawn mower, release the switch.
2. Unplug the mower.
3. Inspect for damage.
4. Repair any damage before restarting and operating the lawn mower.
5. Disconnect the mower before servicing, cleaning or removing material from lawn mower.
6. Inspect lawn mower cord periodically and if damaged, have it repaired by an authorized service facility.
7. Use identical replacement blades only.
8. Store indoors, and do not expose to rain or water, avoid direct sunshine.

Child Safety

Tragic accidents can occur if the operator is not aware of the presence of children.

- Keep children out of the mowing area and under the watchful care of a responsible adult.
- Do not allow children under the age of 14 to operate this mower. Children who are 14 years of age and older must read and understand the operating instructions and safety rules in this manual, and must be trained and supervised by a parent.
- Stay alert, and turn the mower off if a child or any other person enters the mowing area.
- Look behind and down for small children before and while moving backwards.
- Use extreme care when approaching blind corners, doorways, shrubs, trees, or other objects that may obscure your view of a child who may run into the path of the mower.

Electrical Safety



WARNING: To avoid electrical hazards, fire hazards or damage to the tool, use proper circuit protection.

This tool is wired at the factory for 120V AC operation. It must be connected to a 120V AC, 12.5 AMP circuit that is protected by a time-delayed fuse or circuit breaker. To avoid shock or fire, replace power cord immediately if it is worn, cut or damaged in any way.

Extension Cord Safety



WARNING: Keep the extension cord clear of the working area. Position the cord so it will not get caught on the work-piece, tools or any other obstructions while you are working with the power tool.

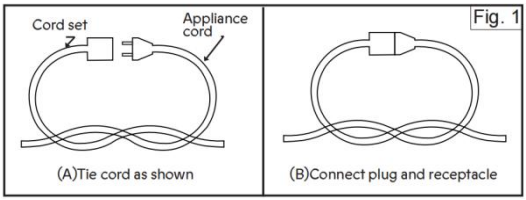
Make sure any extension cord used with this tool is in good condition. When using an extension cord, be sure to use one of heavy enough gauge to carry the current the tool will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating.

The table below shows the correct size to use 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.
Be sure your extension cord is properly wired and in good condition. Always replace a damaged extension cord or have it repaired by a qualified electrician before using it. Protect your extension cord from sharp objects, excessive heat and damp or wet areas.

Use a separate electrical circuit for your power tools. This circuit must not be less than 14 gauge wire and should be protected with either a 15 AMP time delayed fuse or circuit breaker. Before connecting the power tool to the power source, make sure the switch is in the OFF position and the power source is the same as indicated on the nameplate. Running at lower voltage will damage the motor.

MINIMUM GAUGE (AWG) OUTDOOR GRADE EXTENSION CORDS (120V USE ONLY)					
Amperage rating		Total length			
More than	Not more than	25' /7.5 m	50' /15 m	100' /30 m	150'/45 m
0	6	18	16	16	14
6	10	18	16	14	12
10	12	16	16	14	12
12	16	14	12	Not Applicable	

To reduce the risk of disconnection of lawn mower from the extension cord during operating: Make a knot as shown in Fig. 1;



Use one of the plug-receptacle retaining straps or connectors described in this guide.

Avoid unintentional starting – Turn off the power switch and disconnect the power cable before making any adjustments to the unit and before inspecting, servicing, changing accessories or cleaning the lawn mower.

Handle cord carefully – Never pull electric lawn mower by cord or yank it to disconnect from power source. Keep cord away from heat, oil, and sharp edges.

Don't Overreach – Keep proper footing and balance at all times.

Stay Alert – Watch what you are doing. Use common sense. Do not operate tool when you are tired or under the influence of alcohol, drugs or medications that cause drowsiness.

Disconnect electric lawn mower – Disconnect the electric lawn mower from the power supply when not in use, before servicing, when changing accessories.

Keep guards in place and in working order.

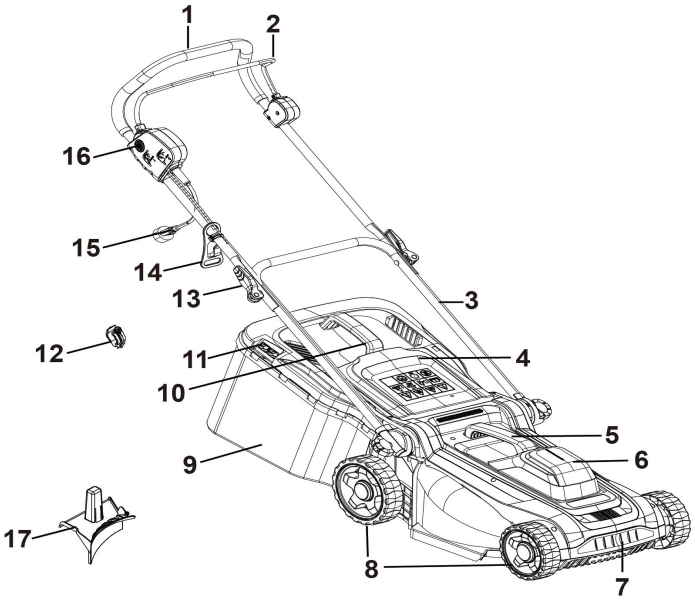
SYMBOLS

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	E X P L A N A T I O N
V	Volts	Voltage
A	Amperes	Current
Hz	Hertz	Frequency (cycles per second)
W	Watts	Power
min	Minutes	Time
⎓	Direct Current	Type or a characteristic of current.
/min	Per Minute	Revolutions, strokes, surface speed, orbits etc., per minute.
	Safety Alert	Indicates a potential personal injury hazard.
	DANGER---Keep hands and feet away	Cutting/dismemberment hazard of hand. Keep hands away from the rotating blade.
	Read the user's manual	To reduce the risk of injury, user must read instruction manual.
	Eye Protection	Wear eye and hearing protection. For protection against injury, wear ear defenders and safety goggles.
	Repairing warning	Always turn the machine OFF and remove the safety key before conducting inspection, cleaning, and maintenance.
	Hand/foot cut	Pay more attention to the operator's hands and feet to avoid injury.
	Slip on slope hazard	Slip on slope hazard – Use extra caution when mowing on slopes to prevent slip and fall accidents.
	Keep Bystanders Away	Keep all bystanders at least 100 ft. away.
	Ricochet	Objects picked up and thrown by the rotating blade can cause severe injury.
	Wet Conditions Alert	Do not expose to rain or use in damp locations.
	Class II Construction	Class II construction Double Insulated construction
	Remove the object	Remove the object before operating the machine.
	Unplug the machine	Beware of electric shock hazard. Unplug the machine.

KNOW YOUR ELECTRIC LAWN MOWER

Compare the illustration to your lawn mower in order to familiarize yourself with the location of various controls and adjustments.



1	Upper Bar	7	Recessed Grip	13	Quick Release Lever
2	Start Lever	8	Wheels	14	Cable Holder
3	Lower Bar	9	Grass Catcher	15	Power Cord With Plug
4	Rear Safety Flap	10	Handle	16	Safety lock-off Switch
5	Carrying Handle	11	Filling Level Indicator	17	Mulching Kit
6	Device Housing	12	Clip		

Unpacking

Unpack the machine and all its parts, and compare against the list below. Do not discard the carton or any packaging materials. Please call 1-872-314-0005 or E-mail us at support@amerisuninc.com / support@powersmartusa.com if any parts are damaged or missing.

Including

Lawn Mower / Upper Bar / Lower Bar / Rotary Knob*2 / Bolt*2 / Quick Release Lever*2 / Washer*4 / Cable Holder / Clip*2 / Grass Catcher / Handle / Mulching Kit / Bar Support*2 /User Manual

ASSEMBLY INSTRUCTION

Unpacking

- Do not connect the product to a power source before it is completely assembled!
- Unpack all parts and lay them on a flat, stable surface. Ensure that you have all the accessories and tools needed for assembly and operation.
- Follow the assembly instructions step-by-step and use the pictures provided as a visual guide to easily assemble the product!

Fitting The Bar

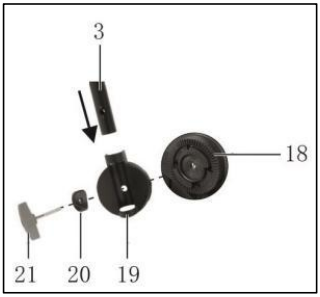
Fitting the lower bar

1. Slide the bar supports (19) over the tube ends of the lower bar (3).

2. Place the lower bar (3) with the bar supports(19) on the bar support holders(18) on the right and left on the machine housing(6).

3. Select one of the 3 height settings by adjusting the corresponding inclination of the bar. The same setting must be made for both sides.

NOTE: The marking on the bar support holder (18) shows the 3 possible setting options. Ensure that the marking on the bar support(19)matches the marking on the bar support holder (18) and that the teeth of the bar support (19) and bar support holder (18) interlock.



4. Screw the lower bars (3) tight with the wing screws (21) and washers (20).

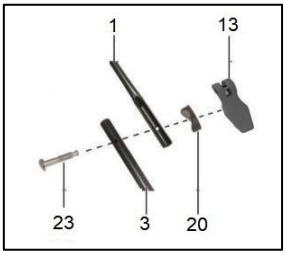
Fitting the upper bar

1. Align the upper handlebar(1) to the lower handlebar(3). Ensure the foam handle is pointed up when viewed from behind.

2. Pass the bolts(23) through the mounting holes of handles.

3. Attach the washer(20) to the bolt(23), secure the upper handlebar by turning the quick release lever(13) clockwise and then turn the lever up to tight the handle.

4. Secure the machine cable(15) with cable clips(14).

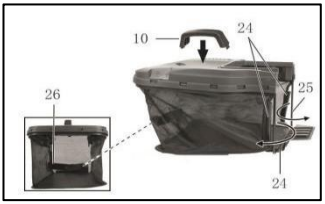


Preparing The Grass Catcher

1. Press the handle (10) on the top of the grass catcher (9) into the holders provided. The handle (10) locks into place.

2. Place the plastic tabs (24) over the grass catcher linkage (25).

NOTE: We can grip the grass catcher by the handle(10) and auxiliary handle(26) for better emptying the grass catcher.



Attaching The Grass Catcher

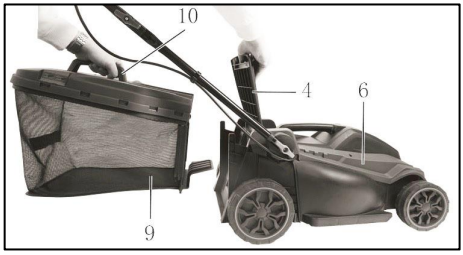
WARNING: Danger of flying objects! Do not attempt to use the product without the grass catcher attached or the mulching kit(choke plug) installed. The motor must be switched off and the blade must have stopped rotating before you remove the grass catcher.

1. Lift the rear safety flap(4).

2. Hold the grass catcher(9) by the handle.

3. Hook the grass catcher into the attachment.

4. Fold the rear safety flap(4) onto the grass catcher(9). It holds the grass catcher(9) in the correct position.



NOTE: When we received the mower, the mulching kit is inserted in the machine, please take it off, then insert the grass catcher to start our collecting work.

Removing The Grass Catcher

1. Lift the rear safety flap(4).

2. Hold the grass catcher(9) by the handle(10).

3. Unhook the grass catcher(9).

4. Fold the rear safety flap(4) back onto the machine housing(6).

5. Grip the grass catcher(9) by both the handle(10) and auxiliary handle(26) for a better grip.

6. Empty the cut grass into a suitable container.

7. Attach the grass catcher back as per **Attaching The Grass Catcher.**

Mulching Option

Difference between mowing lawns and mulching lawns:

When using the mulching kit (17), the grass clippings are not collected in a catcher but are instead shredded and spread across the lawn. The nutrients contained in the clippings are thus left to be broken down by soil organisms and form a nutrient cycle.Mulched lawns therefore need to be fertilized much less frequently.

As a basic rule, the lawn has to be mowed relatively often so that only small amounts of mulch remain on the lawn. It is therefore best to mulch the lawn at least once a week and to adjust the mower so that only about 40 % of the total height of the lawn is left as mulch. If the mulch remains visible on the lawn (for example when cutting the lawn for the first time of the year or during strong growth), the grass catcher (9) should be used.

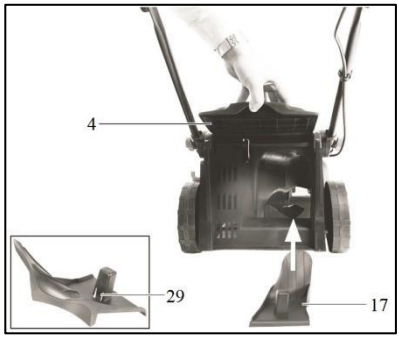
Inserting The Mulching Kit

1. Remove the grass catcher (9), if fitted.

2. Lift the rear safety flap (4).

3. Slide in the mulching kit (17).The lock (29) on the mulching kit (17) engages.

4. Fold the rear safety flap (4) back onto the mulching kit (17).



Removing The Mulching Kit

1. Lift the rear safety flap (4).

2. Press the lock (29) on the mulching kit (17).

3. Remove the mulching kit (17).

4. Fold the rear safety flap (4) onto the machine housing (6).

Setting The Cutting Height

Lawn care

Regular mowing stimulates the grass to an increased leaf formation, while at the same time killing weeds. As a result, the lawn becomes denser after each mowing and the outcome is a healthier lawn in general. The first cut takes place roughly in April when the grass is about 2.6inch to 3.0inch high. During the main growing season, the lawn is mowed at least once a week.

Selecting The Correct Cutting Height

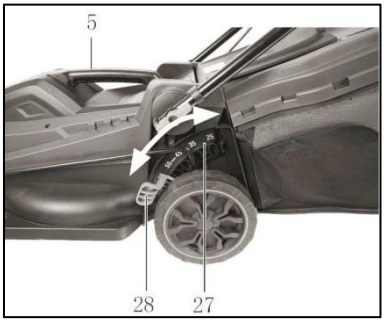
A high cutting height should be selected for the first mowing of the season. The correct cutting height is between 1.0 inch and 1.4 inch for an ornamental lawn, and about 1.8 inch to 2.2 inch for a utility lawn.

The machine has 6 cutting heights:

1.0/1.4 inch ---low cutting height;

1.8/2.2 inch ---medium cutting height;

2.6/3.0 inch --- high cutting height.



1. Hold the carrying handle (5) and lift the machine or push the machine down.

2. Grasp the cutting height adjustment lever (28) and push it to the side.

3. Move the cutting height adjustment lever (28) past the ratchet mechanism(27) to the desired cutting height.

4. Press the cutting height adjustment lever (28) to the side to engage it.

OPERATING INSTRUCTION

Before Operating

- Make sure that the product is fully assembled.
- Check the product, as well as accessories for damage before each use. Do not use the product if it is damaged or shows wear.
- Check that accessories or blade are properly fixed.
- Always push the product by its handle. Keep the handle dry and free from lubricant to ensure safe support.
- Mow across the face of a slope, and never up and down. Exercise extreme caution when changing direction on a slope.
- Always be sure of your footing. If you feel like you are losing your balance, release the blade/ motor control handle immediately. The blade will stop rotating within 3 seconds.
- Switch the product off immediately if you are disturbed while working by other people entering the working area. Always let the product come to complete stop before leaving it unattended.
- Do not overwork yourself. Take regular breaks to ensure you can concentrate on the work and have full control over the product.
- Do not mow near drop-offs, ditches, or embankments, because you could lose your footing or balance.
- Do not mow a slope that has an angle of greater than 15°, as determined using the slope gauge.
- Do not mow wet or damp grass. Unstable footing can cause slipping.
- Watch for holes, ruts, rocks, hidden objects, or bumps that may cause a slip or a trip. Tall grass can hide obstacles.
- Verify that the lawn is free of stones, sticks, wires, and other objects that could damage the blades or the motor. These objects could be accidentally thrown by the mower in any direction, and could cause serious personal injury to the operator and to others.
- In order to prevent electric shock, do not operate the mower in damp or wet conditions.
- Do not mow in circles. Travel back and forth across the lawn.
- When cutting thick grass, reduce walking speed in order to allow for a more effective cut and a proper discharge of the clippings.
- For a healthy lawn, always cut off one-third or less of the total length of the grass. The average lawn should be approximately 1.0 inch to 2.0inch long during cool months, and between 2.0 inch to 3.0 inch long during hot months.

Switching On And Off

Switching on

1. Place the machine on a level surface.

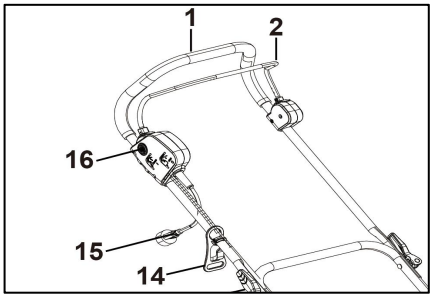
2. Make a loop in the end of the extension cable and hook it into the cable holder(14) and plug in power.

3. Before switching the machine on, make sure that it is not touching any objects.

4. To switch on, hold down the safety lock-off switch (16) and pull the bail bar (2).

5. After the mower starts, release the switch lock (16).

NOTE: The mower will not start work if you do not press the safety lock-off switch when you start to pull the start lever.

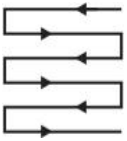


Switching off

To switch off, let go of the bail bar(2), mower stops.

Mowing Tips

- Make sure that the lawn is clear of stones, sticks, wire or other objects that could damage the product or its product.
- Do not cut wet grass because it tends to stick to the under-body of the product, preventing the proper discharge of grass clippings, and it could also cause you to slip and fall.
- Never cut off more than one-third of the total length of the grass for a healthy lawn. In the autumn, lawns should only be cut as long as there is growth.
- Slowly push the product forward.
- Mow in slight overlapping rows. The most effective pattern for mowing lawns is straight lines along one of the sides. This will keep the rows even and ensures that all the lawn is cut without missing any spots.
- Circle around flower beds. When reaching a flower bed in the middle of the lawn, cut a row or two around the circumference of the bed. Pay special attention when changing direction.
- Empty the grass catcher regularly.



WARNING: If the product strikes a foreign object, stop immediately! Let the product cool down and thoroughly inspect the product for damage! Have any damage repaired before restarting!

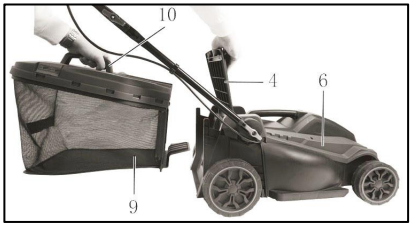
Emptying The Grass Catcher

1. Lift the rear safety flap(4).

2. Hold the grass catcher(9) by the handle, unhook the grass catcher(9).

3. Fold the rear safety flap(4) back onto the machine housing(6).

4. Grip the grass catcher(9) by both the handle(10) and



auxiliary handle(26) for a better grip.

5. Empty the cut grass into a suitable container.

NOTE: A full grass catcher will reduce the performance of this product. Empty the grass catcher frequently during use. Do not wait until it is completely full. We recommend emptying it when it is half full.

After Use

1. Switch the product off. Unplug the lawn mower.
2. Check, clean and store the product as described in Maintenance.

MAINTENANCE

WARNING:

- Always unplug the lawn mower and let the product cool down before performing inspection, maintenance and cleaning work!
- Keep the product clean. Remove debris after each use and before storage.
- Regular and proper cleaning will help ensure safe use and prolong the life of the product.
- Inspect the product before each use for worn and damaged parts. Do not operate it if you find broken and worn parts.

Cleaning The Mower

WARNING: In order to reduce the risk of electric shock, do not expose the mower to water. The underside of the mower deck should be cleaned after each use, because grass clippings, leaves, dirt, and other debris will accumulate, which will cause rust and corrosion.

1. Clean the product with a dry cloth. Use a brush for areas that are hard to reach.
2. Remove stubborn dust with high pressure air (43 PSI).
3. Check for any damage and wear. Repair damages in accordance with this instruction manual or take it to an authorized service centre before using the product again.

Checking The Blade

WARNING: Wear safety gloves when working on the blade and close to it! Use proper tools to remove debris, e. g. a wooden stick! Never use your bare hands!
Always use original spare parts for replacement. Do not attach any other type of blade! The replacement of the blade should be done by a qualified specialist!

1. Keep the under-body and cutting device clean and free of debris. Remove clippings from the rear discharge chute.
2. Check all fasteners, such as nuts and bolts, periodically for tightness before operation. After prolonged use, especially in sandy soil conditions, the cutting device will become worn and lose some of the original shape. The cutting efficiency will be reduced and the blade should be replaced.
3. Keep the blade sharp to ensure a good cutting performance. Replace a worn or damaged blade with a new one of the same type or have it sharpened by a qualified specialist.
4. Loosen the hex bolt counterclockwise using the supplied hex wrench and remove it together with the washer and the blade.
5. Replace the blade with a new one of the same type. Check the status of the flange onto the blade holder, then attach the blade properly, and fix it with the washer and the hex bolt . Tighten the hex bolt clockwise with 33-44 Ft./Lbs. to ensure safe operation of your product.

DANGER: If the blade is not torqued properly, it could become loose and be thrown from the product and seriously hurt or kill the operator or bystanders.

NOTE: Replace this cutting device after 50 hours mowing or 2 years whichever is sooner regardless

of condition. If the cutting device is cracked or damaged, you must immediately replace it with a new one.
6. Lubricate the blade after each use to prolong the life span of blade and product. Apply light machine oil along the edge of the blade.

Replacing Blades

NOTES: Once you have loosened the blade screw, you need to replace the washer and snap ring.
- If the blade is blunt, it can be resharpened by a specialist company.
- If the blade is damaged or unbalanced, it must be replaced.

Tools required：Spanner (SW13)
1. Pull out the mains plug and wait for the blade to come to a stop.
2. Turn the machine on its side.
3. Use sturdy gloves and keep hold of the blade. Use a spanner to turn the blade bolt counterclockwise from the motor spindle.
4. Reassemble the new blade in reverse order. Make sure that the blade is positioned correctly and that the blade bolt is tightened.

Grass Catcher

1. Inspect the grass catcher before each use. Do not use it if you find any damage.
2. Clean the grass catcher after operation using water and mild soap.
3. Let the grass catcher dry thoroughly before storing to avoid mildew.

Power Cord

Check the power cord before each use.
Do not use the product with a defective or a loose power cord!

Storing The Mower

The following steps should be taken in order to prepare the lawn mower for storage.

1. Turn off the power and unplug the power cord.
2. Clean the product as described above.
3. Store the product and its accessories in a dry, frost-free place.
4. Always store the product in a place that is inaccessible to children. The ideal storage temperature is between 50˚F/10˚C & 86˚F/30˚C.
5. We recommend using the original package for storage or covering the product with a suitable cloth or enclosure to protect it against dust.

Transportation

1. Switch the product off, and remove the power plug before transporting it anywhere.
2. Always transport the product by its transport handle .
3. Protect the product from any heavy impact or strong vibrations which may occur during transportation in vehicles.
4. Secure the product to prevent it from slipping or falling over, damage and injury.

RECYCLING AND DISPOSAL

Recycle unwanted materials instead of disposing of them as waste. All tools, hoses and packaging should be sorted, taken to the local recycling centre, and disposed of in an environmentally safe way.

Recycle rather than dispose of unwanted material in landfill whenever possible. The machine is delivered in rigid packaging to avoid damage during transportation, but the packaging, roller, and the machine itself are manufactured from recyclable materials and should be disposed of accordingly.

Do not throw your clippings into a rubbish bin where it will be disposed of in landfill. You can dispose of clippings on your compost heap, alternating them with other garden material.

Alternatively, many communities provide a public collection point where you can dispose of your garden waste in an environmentally friendly manner.

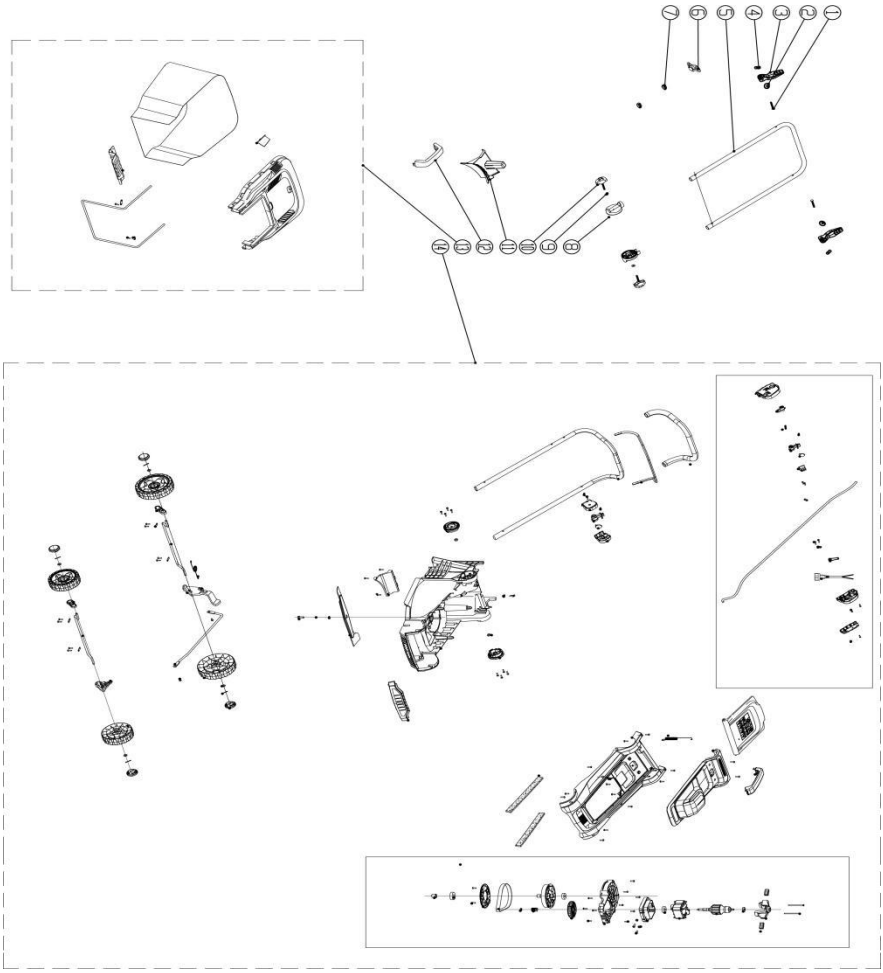
Recycle packaging where facilities exist.

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	SOLUTION
The mower does not start.	Power failure/unit not plugged into a working receptacle.	Check to make sure unit is plugged into a working outlet.
	The switch is defective.	Replace the switch.
	Grass jammed at blade.	Unplug the machine, check under deck for jams.
The mower cuts the grass unevenly.	The lawn is rough or uneven.	Check the mowing area.
	The cutting height is not set properly.	Adjust the lever to a higher setting.
	Blades worn.	Sharpen or replace blades.
The mower does not mulch properly.	Wet grass clippings are sticking to the underside of the deck.	Wait until the grass dries before mowing.
The mower is hard to push.	The grass is too tall, or the cutting height is too low.	Raise the cutting height.
	The rear of the mower housing and the blade are dragging in thick grass.	Empty the grass clippings from the grass catcher bag.
The mower is excessively noisy and vibrates.	The motor shaft is bent.	Stop the motor, and inspect for damage.
	The blade is unbalanced.	Repair before restarting. If vibration persists, call customer service at 1-872-314-0005

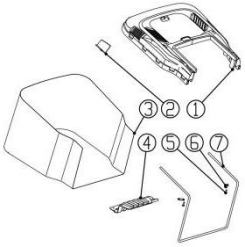
PROBLEM	POSSIBLE CAUSE	SOLUTION
Blade not rotating.	Blade is blocked by grass.	Clean grass on the machine.
	Blade bolt is loosen.	Tighten the blade bolt.
Abnormal sounds, clattering or vibrations.	Blade bolt is loosen.	Tighten the blade bolt.
	Blade is damaged.	Change the blade.
Fill level indicator is not work.	Dirt accumulation.	Clean with a soft brush. The fill level indicator must close by itself after being opened.

EXPLODED VIEW AND PART LIST



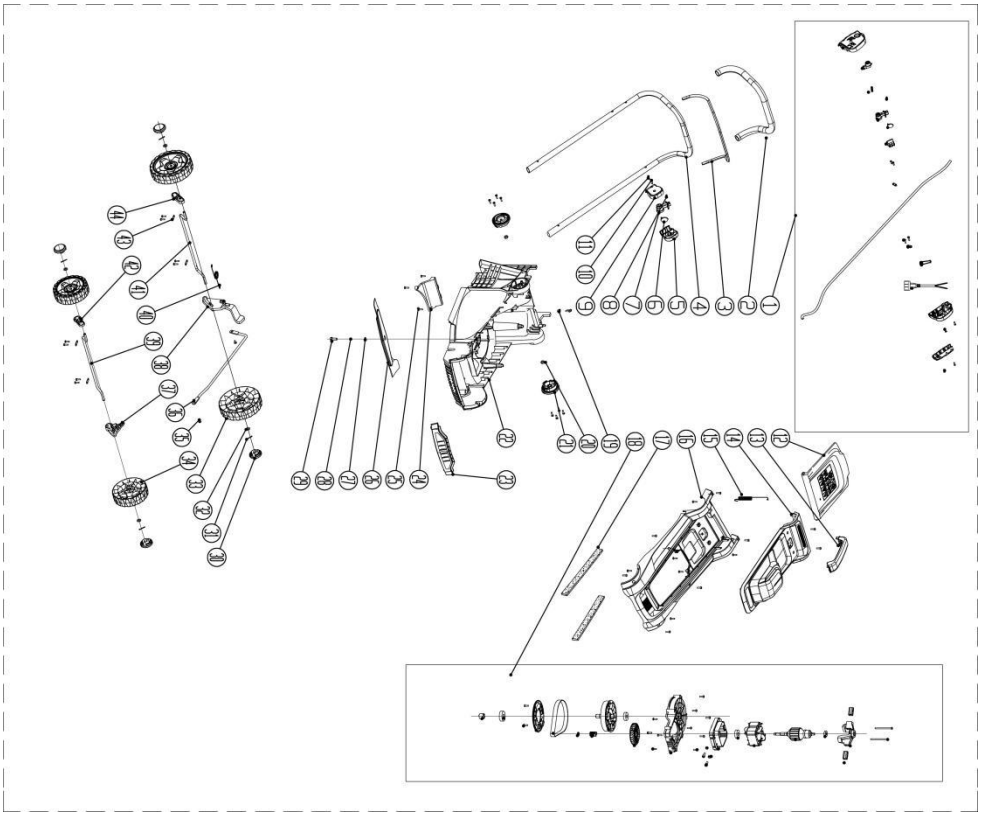
Item	Stock#	Description	Qty		Item	Stock#	Description	Qty
1	31000045	bolt M6X50	2		8	30200553	bar support holder	2
2	31000079	gasket φ6xφ25x2.5	2		9	31000074	gasket Q235/φ6xφ15x1.5	2
3	30200095	toggle clamp	2		10	30200653	knob	2
4	30400025	Quick-clamping nut	2		11	30200582	Mulching Kit	1
5	30900063	Upper Bar	1		12	30200567	handle	1
6	30200092	Cable Holder	1		13	31300440	Grass Catcher assembly	1
7	30200093	Strain Relief	2		14	31300438	main body assembly	1

Grass Catcher assembly



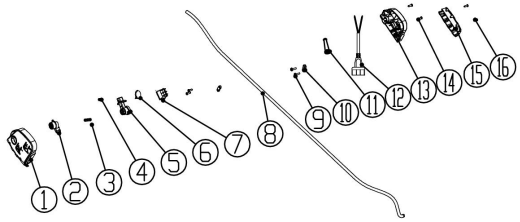
Item	Stock#	Description	Qty
1	30100296	Grass frame cover	1
2	30200595	Filling Level Indicator	1
3	31400286	collection bag	1
4	30200594	Grass catching board	1
5	31000009	self-tapping screw BT4×16	2
6	30800011	pressure plate	2
7	30400168	shell frame	1

Main Body Assembly



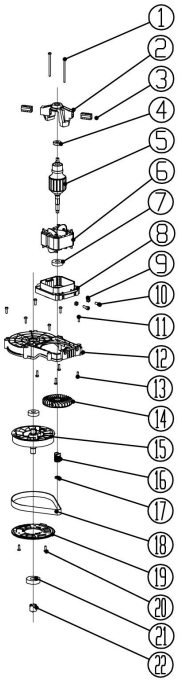
Item	Stock#	Description	Qty		Item	Stock#	Description	Qty
1	31300439	Switch box assembly	1		23	30200680	Front cover	1
2	30300178	Sponge sheath	1		24	30200587	guide board	1
3	30900079	pull-rod operator	1		25	31000008	self-tapping screw BT4×14	3
4	30900092	Upper Bar	1		26	30400275	blade	1
5	30200084	left lower cover	1		27	31000425	spring washer	1
6	30600015	spring 65Mn	1		28	31000426	flat gasket	1
7	30200089	connecting rod	1		29	31000388	hex head bolt M6×55	1
8	31000532	self-tapping screw BT3X10	1		30	30200312	wheel cover	4
9	30200085	left upper cover	1		31	31000094	split pin	4
10	31000303	self-tapping screw BT4×16	25		32	31000396	flat gasket	4
11	31000010	self-tapping screw BT4×20	9		33	30200311	rear wheel	2
12	30100293	rear safety flap	1		34	30200676	front wheel	2
13	30200671	handle	1		35	31000006	self-tapping screw BT4×10	2
14	30100342	motor cover	1		36	30400165	Adjust rod shaf	1
15	30600279	spring 65Mn	1		37	30200589	Front wheel rocker	2
16	30100341	Device Housing	1		38	30200590	Raise the handle	1
17	30300160	sponge	2		39	30400166	front axle shaft	1
18	31300441	motor assembly	1		40	30600281	Adjust knob spring	1
19	30200019	cable pressure plate	1		41	30400215	rear axle shaft	
20	31000413	Hexagonal nut (M6)	2		42	30200591	positioning sleeve	1
21	30200106	Pipe fixing seat	2		43	30800011	pressure plate	4
22	30100294	chassis	1		44	30200593	positioning sleeve	1

Switch Box Assembly



Item	Stock#	Description	Qty
1	30200375	right lower cover	1
2	30200091	switch button	1
3	30600016	spring 65Mn	1
4	31000532	self-tapping screw BT3X10	1
5	30200089	connecting rod	1
6	30600015	torsion spring 65Mn	1
7	31100270	ON/OFF switch	1
8	31100307	connecting line	1
9	31000007	self-tapping screw BT4×12	4
10	30200019	pressure plate	2
11	30300001	Cable sheath	1
12	31200332	Cable line	1
13	30200374	right upper cover	1
14	31000009	self-tapping screw BT4×16	4
15	30200087	pressure plate	1
16	31000010	self-tapping screw BT4×16	2

Motor Assembly



Item	Stock#	Description	Qty
1	31000329	self-tapping screw Q235	2
2	30200353	Rear bracket	1
3	31300122	carbon brush	2
4	31000239	bearing	1
5	31300442	rotor	1
6	31300443	stator	1
7	31000104	bearing	2
8	30200555	Front bracket	1
9	31000054	lock nut M6	2
10	30400275	bolt M6X15	2
11	31000303	self-tapping screw BT4×16	6
12	30100290	Belt box	1
13	31000019	self-tapping screw BT5×16	4
14	30200245	fan	1
15	31300217	Large pulley	1
16	30400156	small pulley	1
17	31000055	lock nut M8	1
18	31300192	Multi wedge	1
19	30200557	pulley cover	1
20	31000281	self-tapping screw BT4×10	3
21	31000087	bearing	1
22	30200585	Anti-reverse sleeve	1

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ONE (1) YEAR 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 one(1) year 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 one (1) year 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.

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For questions / comments, technical assistance or repair parts –
Please call toll free at: 1-872-314-0005 (M-F 9am – 5pm EST)
Email: support@amerisuninc.com / support@powersmartusa.com

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