

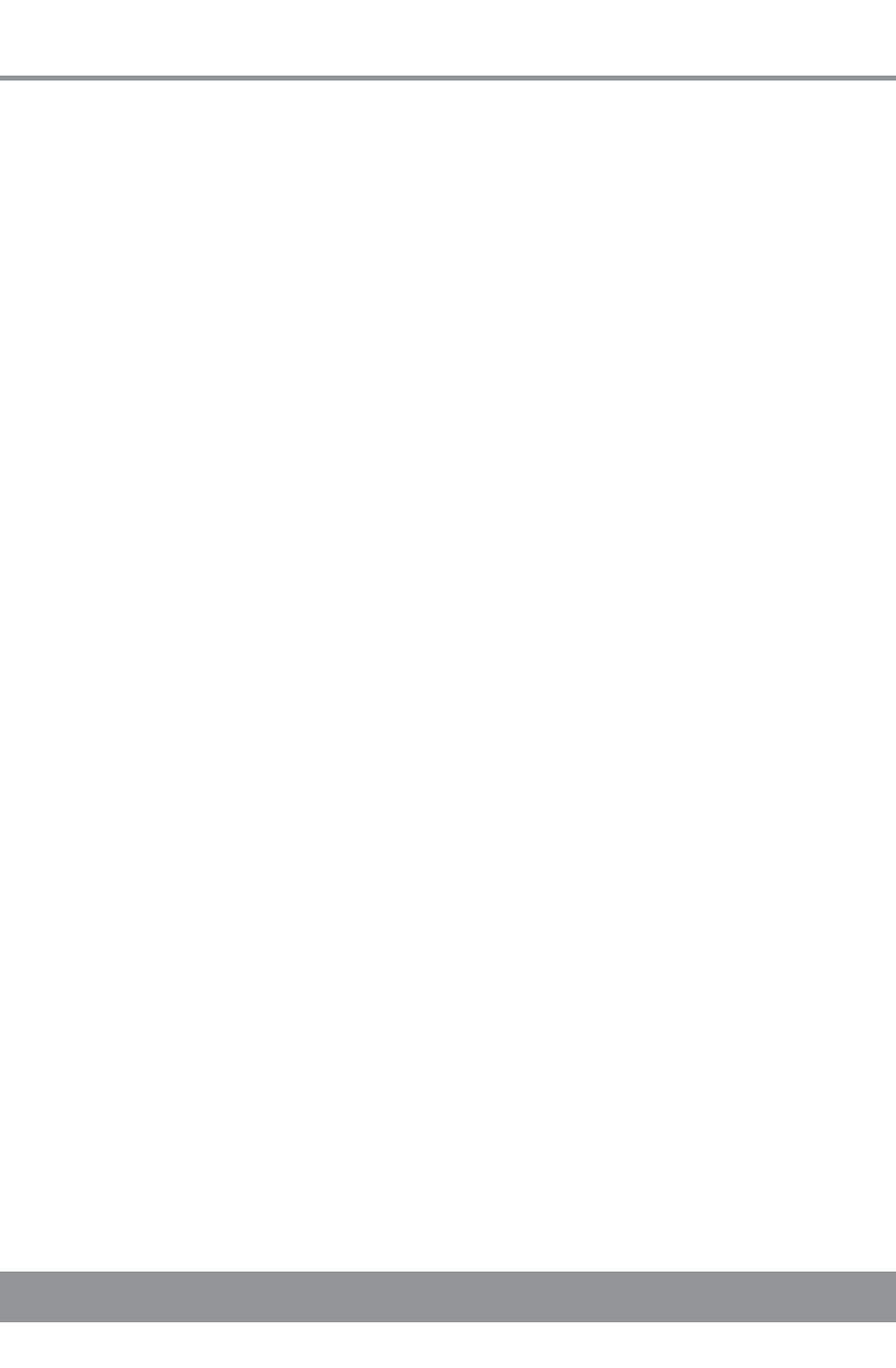
***ThunderVak™***

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**USER MANUAL**

Version 1.0 09/2012

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# **Parts**

## **Parts List**

1. white lower reservoir with 2 handles
2. lower base motor support with aluminum crosspiece
3. removable side chute
4. drop door
5. capacitor and rheostat for the cutting motor (base motor)
6. transparent top reservoir with feeder
7. upper motor with speed control (head motor)
8. white metal crosspiece with 4 tumbler paddles
9. 2 sets of 4 paddles - one in rubber (rigid) and one in neoprene (flexible)
10. aluminium grill
11. cutting wires;
  - ▶ 8 blue (80 mm) nylon cutting wires
  - ▶ 8 red ones (65 mm)
12. a tool set consisting of;
  - ▶ one 1/8" Allen key
  - ▶ one 3/8" Allen key
  - ▶ hex nut driver
  - ▶ block to adjust trimming height
13. Current tap



1. white lower reservoir with  
2 handles



2. lower base motor support  
with aluminum crosspiece



3. removable side chute

## Parts diagrams



4. drop door



5. capacitor & rheostat



6. top reservoir



7. upper motor



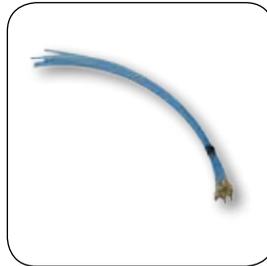
8. crosspiece with paddles



9. tumbler paddles



10. aluminum grill



11. blue cutting wires



11. red cutting wires



12. tool set



12. block to adjust trim height



13. current tap

## **Safety warnings**



**Warning**

***This is a high-speed power tool and should be taken seriously. Careless or improper use may cause serious or even fatal injury.***

## **IMPORTANT**

- Make sure to inspect the machine before each use.
- Always wear safety glasses, gloves, ear plugs and proper protective clothing.
- Do not apply pressure to the grill.
- Do not use any instruments or tools above the machine.
- Keep work area clean and clear of debris.
- Always disconnect the power before servicing the machine.
- Never move, tilt or rotate machine while in use.
- Never allow the machine to run unattended.
- Minors should never be allowed to operate this machine.

This machine is to be used with all existing laws and regulations. The manufacturer and distributor does not accept any liability or responsibility for misuse of the product or for damages caused to or by the ThunderVak™, resulting from improper use or assembly. Read the entire user's manual prior to operating the ThunderVak™. Read all warnings before operating.

## **Electrical Requirements**

### ***Wiring requirements: 110V 15amps***

The ThunderVak™ is equipped with a power supply cord having a grounded 3 prong plug. To minimize possible shock hazard, the cord must be plugged into a mating, grounded 3 prong outlet, grounded in accordance with all local codes and ordinances.



***Electrical  
Shock  
Hazard***

## Assembly

*To receive maximum performance and satisfaction from the ThunderVak™ it is important that you read and understand the safety warnings before using this machine.*

1. Take everything out of the lower reservoir.
2. Place the lower base motor support into the white reservoir, ensuring that the chute opening aligns with the cutouts in the lower reservoir and that the aluminum grill sits level.
3. Place the upper motor with speed control into the cavity on top of the reservoir. Hand tighten the motor into place with the nuts provided. Once the motor is secured into place, tighten the bolts with the hex nut driver.
4. Next, place the white crosspiece (with tumbler paddles) on the motor cam shaft, ensuring that the bolt aligns with the slot on the camshaft. Tighten carefully with the 1/8" Allen key and place the reservoir back into the 5 slots on the lower base motor support. Turn slightly to the left to lock it into place.  
Adjustments to the height of the paddles can be made using the 1/8" Allen key, we suggest letting them rest lightly on the grill.
5. Slide the drop door into the grooves alongside the opening on the top reservoir. Secure the removable side chute into place by using the rivets on either side of the opening.
6. Put the capacitor and rheostat (base motor) onto the side of the lower base motor support using the metal slide.
7. Plug the power cords together;  
(see page how to Connect the ThunderVak™)
  - ▶ Plug the green stickered cords together (this is for the capacitor and rheostat for the cutting motor).
  - ▶ Plug the lower motors cord to the current tap.
  - ▶ Plug the upper motors cord to the current tap.
  - ▶ Plug the current tap into an extension cord.



step 1



step 2



step 3



step 4

## **Assembly (cont'd)**

Notes:

- ▶ The ThunderVak™ comes with the neoprene tumbler paddles installed. A set of rubber ones have been included for your convenience. If you would like to change them, simply unscrew the paddles with a Phillips screwdriver.
- ▶ The ThunderVak™ red cutting wires are already installed but if you would like to change them, simply slide them out and replace, inserting each blue wire into the spool, the metal grommet will hold the wires in place. The red cutting wires are 65 mm thick and are octogonal shaped. The blue cutting wires are 80 mm thick and are round.



step 5



step 6



step 7

## **Use**

***Important : test the trimmer with a small amount of plant material first to ensure your satisfaction.***

Start the upper motor by putting the button to “RUN” to engage the rubber or neoprene tumbler paddles. Turn the rheostat to the desired speed, between 0 and 60 rpms. Now, start the lower motor on “VAR” and adjust the cutting speed with the rheostat.

You can also use your ThunderVak™ as a table-top trimmer by simply removing the upper reservoir and disconnecting the upper motor electrical cord.

## **Preparation**

We recommend removing the stems before placing the plant material in the machine. You do not have to remove the larger leaves for this machine, as the trimming is more precise and efficient than other models on the market.

## Transportation

Always turn the motors off and unplug the machine before moving it. When transporting it, always secure it to prevent damages.

## Adjusting the trimming height

Note: the height has already been factory preset and should not require any adjustment.

Block to adjust the trimming height. This tool is used to adjust the cutting height. 4 union nuts on the lower base motor support allow adjustment of the trimming height and are pre set by the manufacturer. Turning left will distance the wires from the plant material and turning the union nuts to the right will bring the wires closer to the plant material to be trimmed. Place the grill onto the lower base motor support (ensuring that it is level) and start the rheostat on high. Use the tool to adjust the desired height (we suggest 5/32 in). By placing the block on the grill and adjusting one nut at a time, to the desired height.



4 union nuts



union nut



block to adjust trim height

## Maintenance

***To receive maximum performance from the ThunderVak™ it is important that the maintenance schedule be followed.***

Always stop the motor and unplug the unit before any maintenance, repairs or cleaning. Cleaning the machine after each use will ensure the ThunderVak™ longevity. To clean it we suggest using Bio Green Clean® or other natural cleaner. Simply follow the instructions on the bottle for the dilution rate, spray down the machine, let it sit for a few minutes and wipe clean with a damp cloth.

Never use an abrasive pad on any component of this machine, as it will scratch the surface. Make sure that all 8 cutting wires are in good condition before operating the machine. Each machine comes with replacement cutting wires. If one needs replacement simply slide it out, discard and replace with a new one.

## **Warranty**

ThunderVak™ warranty obligations are limited to the terms set forth below: ThunderVak™ (“105766 Canada Inc.”) warrants this hardware product against defects in materials and workmanship for a period of ONE (1) YEAR from the date of original retail purchase, excluding all replacement rubber parts and cutting wires. If a defect exists, at its option ThunderVak™ will (1) repair the product at no charge, using new or refurbished replacement parts, or (2) exchange the product with a product that is new or which has been manufactured from new or serviceable used parts and is at least functionally equivalent to the original product. If usage of this ThunderVak™ product violates the guidelines of this limited warranty, ThunderVak™ will repair the product and charge the purchaser for the cost of company time, materials and shipping costs.

ThunderVak™ shall not be liable for any loss, injury or damages to persons or property resulting from the use of this product or any failure of or defect in this product, nor shall ThunderVak™ be liable to the initial user of this product or to any other person or entity for any general, special, direct, indirect, incidental, consequential, exemplary, punitive, or OTHER DAMAGES of any kind or nature whatsoever.

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