

# READ THIS FIRST

SAW USER GUIDE

MODEL SVC4

**SUPERVAC** 



### **PERSONAL RESPONSIBILITY CODE**

The member companies of FEMSA that provide emergency response equipment and services want responders to know and understand the following:

1. Firefighting and Emergency Response are inherently dangerous activities requiring proper training in their hazards and the use of extreme caution at all times.
2. It is your responsibility to read and understand any user's instructions, including purpose and limitations, provided with any piece of equipment you may be called upon to use.
3. It is your responsibility to know that you have been properly trained in Firefighting and/or Emergency Response and in the use, precautions, and care of any equipment you may be called upon to use.
4. It is your responsibility to be in proper physical condition and to maintain the personal skill level required to operate any equipment you may be called upon to use.
5. It is your responsibility to know that your equipment is in operable condition and has been maintained in accordance with the manufacturer's instructions.
6. Failure to follow these guidelines may result in death, burns or other severe injury.




Fire and Emergency Manufacturers and Services Association, Inc.  
P.O. Box 147, Lynnfield, MA 01940 [www.FEMSA.org](http://www.FEMSA.org)

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## USER GUIDE

This manual covers the description, cautions, operation, and maintenance of the Super Vac SV3.

 **WARNING** Read this manual before operating the saw

Save this guide for future reference.

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## 1. Breakage or Damage During Shipment

The transportation company is fully responsible for all shipping damage and will resolve problems promptly if you handle it correctly. Please read these instructions carefully.

Examine the contents of all shipping cases. If you find any damage, call your transportation agent at once and have them make a description on the freight or express bill describing the damage and the number of pieces. Then write us and we will send you the original bill of lading. Get a claim blank from the express or truck company. Fill the claim form out. Attach the claim blank to the original bill of lading together with a copy of our invoice. Attach a memo on which you show the value of the damaged goods. Mail or hand these papers to your local transportation agent. They will process your claim with reasonable promptness.

Please note, we cannot and will not enter claims for damages. If we filed claim here, it would be sent to your local freight agent for verification and investigation. This time can be saved by your filing the claim directly. Every consignee is on the ground floor and in contact with the local agent who inspects the damaged goods, and thus, each claim can be given individual attention.

Since our goods are packed to comply with the regulations of all railroad, truck, and express companies, we cannot allow deduction from any invoice because of any damage, however, be sure to file your claim promptly. Our goods are sold F.O.B. factory. We take receipt from the transportation company certifying that the goods were delivered to them in good order, and our responsibility ceases.

It is seldom that any breakage or damage occurs in any of our shipments, and in no case will the customer be out any expense if they follow the above instructions.

Be sure to keep all damaged goods subject to examination of the truck or express company inspector, who may call on you some time later. These damaged goods, of course, will belong to them, and they will inform you what to do with them. If you dispose of these damaged goods, your claim may not be paid.

## 2. Product Safety Precautions

- Do not operate a cutoff saw when you are fatigued
- Use caution when handling fuel. Move the cutoff saw at least 10 feet (3 m) from the fueling point before starting the engine
- Do not start cutting until you have a clear work area and secure footing
- Keep all parts of your body away from the cutoff blade when the engine is running
- Before you start the engine, make sure that the cutoff blade is not contacting anything
- Do not operate a cutoff saw that is damaged, is improperly adjusted, or is not completely and securely assembled. Be sure that the cutoff disc stops moving when the throttle control trigger is released
- Keep the handles dry, clean, and free of oil or fuel mixture
- Operate the cutoff saw only in well-ventilated areas
- Do not operate a cutoff saw unless you have been specifically trained to do so
- Reactive forces including kickback can be dangerous. Careless or improper use of any cutoff saw may cause serious or fatal injury
- Always ensure the cutoff disc mounting bolt is tightened to a torque of 30Nm. Otherwise the disc can twist.
- Never change direction, exert lateral pressure, or tip the saw during cutting

### 3. Before Operating Saw

- This tool is powered by a high-performance air-cooled two-stroke engine. It runs on a mixture of gasoline and two-stroke engine oil.
- The power unit should run a non ethanol 50:1 fuel mixture. Pre mixed TruFuel works great. If having to use ethanol fuel try using a fuel additive like Stabi-Bil.
- 1.0 Us-gal. (3.7 l) 2.6 floz. (75 cm<sup>3</sup>)
- 2.5 Us-gal. (9.4 l) 6.4 floz. (189 cm<sup>3</sup>)
- 5.0 Us-gal. (18.9 l) 12.8 floz. (378 cm<sup>3</sup>)
- Fuel your cutoff saw in well ventilated areas or out doors. Always shut off the engine and allow it to cool before refueling. Select bare ground for fueling and move the chain saw at least 10 feet (3 m) from fueling spot before starting the engine

### 4. Operation

#### *Starting the Engine*

Place the cutoff saw on firm ground or other solid surface in an open area. Maintain a good balance and secure footing. Place your right foot through the rear handle opening and firmly grasp the front handle with your left hand.

Prime the fuel pump by pressing it several times until you can see fuel in the pump. Move the combination switch up (choke position). This also actuates the half-throttle lock. Pull starter handle smoothly and evenly, until you hear the first ignition (but max. 3-5 pulls).

CAUTION: Do not pull the starter cable more than about 50 cm/20" out, and let it back in slowly by hand.

Move the combination switch to the central "ON" position. Pull the starter handle smoothly and evenly again. As soon as the engine is running, grasp the rear handle (the safety lock button is actuated by the palm of the hand) and press the throttle trigger. The half-throttle lock will disengage and the engine will now idle.


## Cutting Instructions WARNING

Always hold the saw firmly with both hands when the engine is running. Place your left hand on the tubular handle and your right hand on grip and throttle lever. Left-handers should follow these instructions too.

Wrap your fingers tightly around the handles, keeping the handles cradled between your thumb and forefinger. With your hands in this position, you can best oppose and absorb the push, pull and kickback forces of your saw without having it slip out of your grip. Make sure your cutoff saw handle and grip are in good condition and free of moisture, pitch, oil or grease.

Always start a cut with the chain running at full speed and the spike bar in contact with the wood.

Position the chain saw in such a way that your body is clear of the cutting attachment whenever the engine is running.

 DANGER Never cut above shoulder height or stand on a ladder to cut.

## 5. Maintenance and Repair

Maintenance should only be performed by experienced and trained personnel.

Make sure the blade is properly mounted and undamaged.

Keep the blade at proper tension, 30Nm.

Keep spark plug and wire connection tight and clean.

Clean Powerhead regularly.

Check fuel tank regularly for good sealing.





### *Mounting the Cutting Disc / Blade*

Unscrew screw and remove the spring washer. Place the cutting disc/ blade on the arbour.

NOTE: The arbor hole of the cutting disc must be an exact fit with the arbor or shaft.

For cutoff discs with 25.4 mm (1") arbor holes, use the correct size disc holder (supplied only with cutoff discs with 25.4 mm (1") arbor holes). Non-compliance can cause serious injury!

Make sure the cutting disc is installed so it turns in the right direction, if a direction is marked on the disc.

Place the spring washer on the arbour and insert the screw and tighten by hand. Slowly turn the cutoff disc until a hole in the V-belt pulley is visible in the counter-holding opening of the cutting arm. Insert the Allen key as far as it will go. The shaft is now blocked. Tighten the screw with the combination wrench.

NOTE: Tighten the screw firmly ( $30 \pm 2$  Nm), as otherwise the cutting wheel may slip during cutting.

Remove the Allen key and combination tool.

## **6. Technical Specs**

Engine:	4.3BHP (3.2kw) Makita (EK6101)	Total Weight:	19.6 lbs (8.9kg)
Displacement:	60.7cc	Blade Diameter:	14" (356mm)
RPM:	9850	Arbor:	.75" (20mm)
Max Torque:	3.9 Nm	Fuel Tank:	23.6 oz (700ml)

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## 7. Warranty

Super Vacuum Manufacturing Company warrants that the equipment is free from defects in materials and workmanship when used and operated for a period of five years. The responsibility of Super Vacuum Manufacturing Company under this limited warranty is limited to the repair and replacement of any parts which are found defective and which are returned to Super Vacuum Manufacturing Company at 3842 Redman Dr, Fort Collins, CO 80524 with transportation charges prepaid (C.O.D. shipments will not be accepted).

Prior to returning defective parts to SUPER VACUUM MANUFACTURING COMPANY, the original purchaser shall make a claim in writing to SUPER VACUUM MANUFACTURING COMPANY at the above address indicating the model number and type of defect. No parts or equipment will be received by SUPER VACUUM MANUFACTURING COMPANY for repair or replacement under this warranty without specific written authority from it in advance.

Any parts damaged by improper installation, overloading, abuse or accident of any type or cause are not covered by this warranty.

All equipment manufactured by us is pre-run and tested before leaving our plant, and is shipped in good working order and condition. We therefore extend to the original purchasers the following Limited Warranty for the period of five years from the original date of purchase:

1. This warranty does not apply to defects caused by accident, misuse, neglect, or wear and tear, nor can we be held responsible for incidental and consequential expense and loss, nor does this warranty apply to equipment where alterations have been executed without our knowledge or consent. These conditions are readily discernible when the equipment is returned to us for inspection.
2. On all component parts not manufactured by SUPER VACUUM MANUFACTURING COMPANY, their warranty is to the extent that the manufacturer of such component warrants them to SUPER VACUUM MANUFACTURING COMPANY, if at all. Look in your local business phone directory for the nearest repair station for the brand of parts you have or write to us for the address.
3. If equipment received is found to have been damaged in transit, a claim should be made against the carrier within three days, as we assume no responsibility for such damage.
4. Any service other than our Authorized Service voids this warranty.
5. This warranty is in lieu of and is intended to exclude all other warranties, express or implied, oral or written, including any warranties of MERCHANTABILITY or FITNESS for a particular purpose.

## 8. Contact Information



For parts or service information, contact:

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970-297-7100

Fax: 970-297-7099

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