

# 497 Electronic Service Vacuum Operation and Maintenance Instructions



Made in the  
United States of America



Figure 1. SCS 497 Electronic Service Vacuum

## Description

The SCS 497 Series Electronic Service Vacuum is designed to clean electronics equipment. It removes particulate such as small components, toner, dirt, and dust. The Electronics Service Vacuum meets ANSI/ESD S20.20 and contains a one-horsepower, six amp motor. Its hose and accessories are dissipative. This allows electrostatic charges to be drained to ground when the vacuum is connected to an electrical receptacle.

The SCS Electronic Service Vacuum is available as the following item numbers:

No.	Voltage Rating	Power Cord	Filter Indicator
<a href="#">497AJN</a>	120 VAC	North America	No
<a href="#">497AJN-I</a>	120 VAC	North America	Yes
<a href="#">497ABG</a>	220 VAC	Europe	No
<a href="#">497ABG-NO</a>	220 VAC	None	No
<a href="#">497ABG-NO-I</a>	220 VAC	None	Yes

The following accessories and replacement parts are available for the Electronic Service Vacuum:

No.	Description
<a href="#">HEPA VACUUM HOSE-33</a>	HEPA vacuum hose, 7'
<a href="#">SV-CB1</a>	Crevice brush
<a href="#">SV-CN1</a>	Crevice nozzle
<a href="#">SV-CS1</a>	Carrying strap
<a href="#">SV-CVR</a>	Vacuum lid
<a href="#">SV-DBSD1</a>	Dust brush
<a href="#">SV-FILTER</a>	HEPA filter
<a href="#">SV-H</a>	Carrying handle
<a href="#">SV-LS</a>	Vacuum latch
<a href="#">SV-MPF2</a>	Type 2 filter
<a href="#">SV-NN</a>	Needle nose nozzle
<a href="#">SV-PC8</a>	North American power cord
<a href="#">SV-SH33</a>	Vacuum hose, 7'
<a href="#">SV-SH51</a>	Vacuum hose, 10'
<a href="#">SV-SPF1</a>	Type 1 filter
<a href="#">SV-WA1</a>	Tubular nozzle
<a href="#">SV-WA2</a>	Wand

## Packaging

- 1 Electronic Service Vacuum
- 1 Type 2 Filter
- 1 Power Cord (497AJN, 497AJN-I, 497ABG only)
- 1 Hose, 7'
- 1 Wand
- 1 Crevice Nozzle
- 1 Crevice Brush
- 1 Dust Brush
- 1 Needle Nose Nozzle

## Features and Components

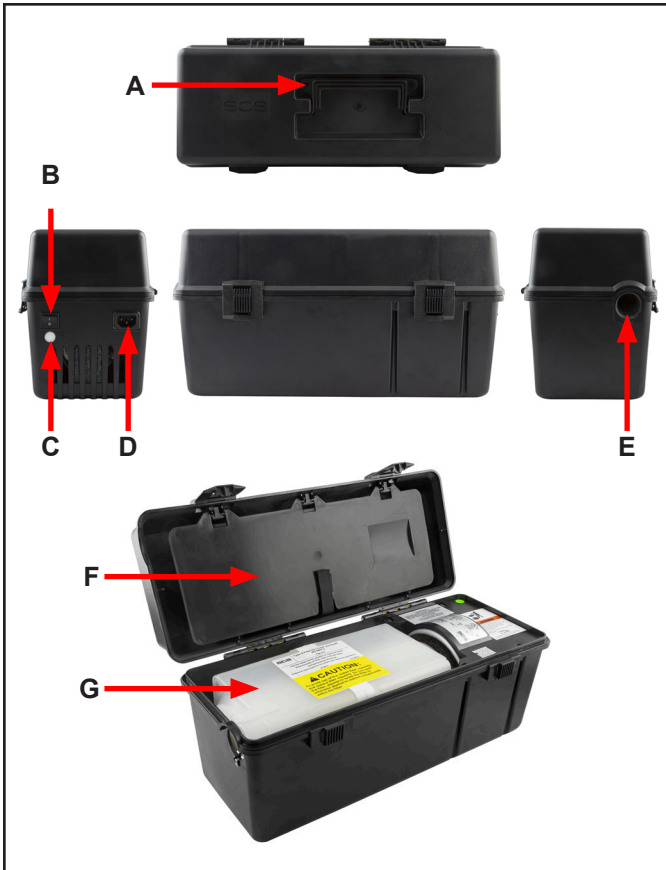


Figure 2. 497 Electronic Service Vacuum features and components

**A. Carrying Handle:** Swings upright when in-use, and swings into the lid when not in-use.

**B. Power Switch:** Rock to the I position to power the vacuum ON. Rock to the 0 position to power the vacuum OFF.

**C. Filter Indicator (497AJN-I & 497ABG-NO-I only):** Illuminates green when the filter is in good working condition. Illuminates yellow when the filter is nearly full. Illuminates red when the filter needs to be replaced.

**D. Power Inlet:** Connect the power cord here.

**E. Vacuum Inlet:** Connect the vacuum hose here.

**F. Accessory Compartment:** Stores the power cord, vacuum hose, and hose attachments.

**G. Filter:** Collects and contains the debris pulled by the vacuum.

## Installation

1. Release the latches on the vacuum, and open its lid.
2. Unfasten the accessory compartment, and remove the vacuum hose, electrical cord, and hose attachments.
3. Remove the red filter plug from the vacuum inlet. Save the filter plug, so it can be used again when storing and transporting the vacuum. This will prevent any debris from exiting the filter.
4. Connect the vacuum hose to the vacuum inlet. Connect any brushes or nozzles to the opposite end of the vacuum hose if desired.
5. Store the unused accessories and filter plug inside the accessory compartment, and secure it shut.
6. Close the vacuum's lid, and securely latch it.
7. Connect the included power cord to the vacuum and an appropriate AC electrical outlet.

### WARNING

Improper connection of the equipment grounding conductor can result in the risk of electric shock. Check with a qualified electrician or service person if you are in doubt as to whether the electrical outlet is properly grounded. Do not modify the plug provided with the vacuum. If the plug does not fit the outlet, have a proper outlet installed by a qualified electrician.

## Operation

Use the power switch to power the vacuum ON. Use the carrying handle or SV-CS1 carrying strap to carry and transport the vacuum.



Figure 3. Using the 497 Electronic Service Vacuum

## Maintenance

The Electronic Service Vacuum is designed for use with disposable SCS filters. The filters must be replaced on a regular basis. Frequency of filter replacement depends on the type and frequency of use of the Electronic Service Vacuum. If included, use the filter indicator to alert when the filter must be replaced.

1. Power the vacuum OFF, and disconnect it from power.
2. Release the latches, and open the lid.
3. Disconnect the hose, or remove the red filter plug.
4. Grasp the filter on each side by using its circular indentations. Pull the filter straight up.
5. Insert the filter plug back into the filter to prevent any debris from escaping.
6. Dispose the filter in a suitable manner.
7. Remove the filter plug from the new filter, and install it into the vacuum. Store the filter plug in the accessory compartment for future use.
8. Verify that the gasket between the filter and the motor fit tightly.



Figure 4. SCS SV-MPF2 Type 2 Replacement Filter

## Specifications

Input Voltage and Frequency	110-120 VAC, 50/60 Hz (497AJN, 497AJN-I)
	220-240 VAC, 50/60 Hz (497ABG, 497ABG-NO, 497ABG-NO-I)
Dimensions	18.0" x 7.0" x 9.5" (457 mm x 178 mm x 241 mm)
Weight	8.5 lbs (3.9 kg)
Certifications	cULus, CE, EAC
Country of Origin	United States of America

### Limited Warranty, Warranty Exclusions, Limit of Liability and RMA Request Instructions

See the SCS Warranty - [StaticControl.com/Limited-Warranty.aspx](http://StaticControl.com/Limited-Warranty.aspx)

## Safety Information

### WARNING

TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK OR INJURY, FOLLOW THESE SAFETY RULES:

1. Use only as described in this manual. Use only manufacturer's recommended attachments.
2. Do not use this machine to vacuum hazardous dust, flammable or combustible liquids, such as gasoline.
3. Connect to a properly grounded outlet only. See Grounding instructions.
4. Do not use without filter in place.
5. Do not leave appliance plugged in when not in use. Unplug from the outlet when not in use and before servicing.
6. Turn off all controls before unplugging
7. Do not unplug by pulling on the cord. To unplug, grasp the plug, not the cord.
8. Do not handle the plug or appliance with wet hands.
9. Do not use appliance outdoors or on wet surfaces. Electrical shock could occur.
10. Do not use with damaged cord or plug. If appliance is not working as it should, has been dropped or damaged, left outdoors, or dropped in water, discontinue use.
11. Do not pull or carry by cord, use cord as a handle, close door on cord or pull cord around sharp edges and corners. Keep cord away from heated surfaces.
12. Do not put any object into openings. Do not use with any opening that is blocked.
13. Keep hair, loose clothing, fingers and all body parts away from openings and moving parts.
14. Do not pick up anything that is burning or smoking, such as cigarettes, matches or hot ashes.
15. Do not use to pick up flammable or combustible liquids, such as gasoline, and do not use in areas where these may be present.
16. Do not allow to be used as a toy. Close attention is necessary when used near children.

Electric shock could occur if used outdoors or on wet surfaces.

### CAUTION

To avoid risk of fire, filter must be installed properly and replaced regularly. Do not open filter, reuse filter or attempt to replace components within filter.

## Regulatory Information

### cULus Statement

Meets cULus requirements.

### WEEE Statement

The following information is only for EU-member States: The mark shown to the right is in compliance with Waste Electrical and Electronic Equipment Directive 2002/96/EC (WEEE). The mark indicates the requirement NOT to dispose the equipment as unsorted municipal waste, but use the return and collection systems according to local law.

Dispose of filter and vacuum components properly according to applicable local, state and federal laws.

# Mouser Electronics

Authorized Distributor

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[Desco:](#)

[497AJN](#) [497AJN-I](#)