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Stanley SXVI02001A

STANLEY SXVI02001A 12V/18V Li-ion Cordless 160 PSI Digital Inflator, Vacuum, and LED Light User Manual

Model: SXVI02001A

1. Introduction

Thank you for choosing the STANLEY SXVI02001A Multi-Function Device. This product is designed to provide versatile solutions for inflation, vacuuming, and lighting needs. It operates with both 12-volt and an internal 18-volt Li-ion battery, offering portability and convenience. Please read this manual thoroughly before operating the device to ensure safe and efficient use.

2. Safety Instructions

WARNING: Failure to follow these safety instructions may result in electric shock, fire, and/or serious injury.

- Always wear eye protection when operating the inflator.
- Do not leave the device unattended while in operation.
- Keep children and bystanders away from the operating area.
- Do not over-inflate items. Always check the manufacturer's recommended pressure.
- Ensure the device is switched off before connecting or disconnecting accessories.
- Do not expose the device to rain or wet conditions.
- Store the device in a dry, secure location out of reach of children.
- Use only STANLEY recommended accessories and replacement parts.
- Disconnect the power source before performing any maintenance or cleaning.

3. Package Contents

Verify that all items listed below are included in your package. If any items are missing or damaged, please contact your retailer.

- STANLEY SXVI02001A Multi-Function Device
- 12V DC Car Adapter Cable

- 18V Li-ion Battery (1 included)
- Battery Charger
- Inflation Hose
- Vacuum Hose
- Various Inflation Nozzles (e.g., ball needle, universal adapter)
- Crevice Tool for Vacuum
- Brush Attachment for Vacuum



Figure 1: STANLEY SXVI02001A and its accessories.

4. Product Overview

Familiarize yourself with the components of your STANLEY SXVI02001A device.



Figure 2: Labeled components of the STANLEY SXVI02001A.

1. **Handle:** For carrying the device.
2. **LED Light:** Provides illumination for work areas.
3. **Air Blowing Outlet:** Used for blowing functions.
4. **Air Suction Inlet:** Where the vacuum hose connects for suction.
5. **Dust Bin:** Collects debris during vacuuming.
6. **Digital Display:** Shows pressure readings and settings.
7. **Accessory Storage Compartment:** Stores nozzles and small attachments.
8. **Vacuum Hose:** Connects to the suction inlet for vacuuming.
9. **Inflation Hose:** Connects to the inflation port for inflating.
10. **Pressure Adjustment Sensor/Buttons:** For setting desired inflation pressure.
11. **Dual Power Options:** Accepts 18V Li-ion battery or 12V DC car socket.

5. Setup

5.1 Charging the Battery

Before first use, fully charge the 18V Li-ion battery.

1. Connect the battery charger to a standard electrical outlet.
2. Insert the 18V Li-ion battery into the charger.
3. The charger indicator light will show the charging status. Refer to the charger manual for specific light indications.
4. Once fully charged, remove the battery from the charger.

5.2 Powering the Device

The SXVI02001A can be powered by its 18V Li-ion battery or a 12V DC car power outlet.

- **Using the 18V Li-ion Battery:** Slide the charged battery into the battery slot on the device until it clicks into place.
- **Using the 12V DC Car Adapter:** Connect the 12V DC car adapter cable to the device's 12V input port and then plug the other end into your vehicle's 12V accessory socket.

6. Operating Instructions

6.1 Inflation Function (High Pressure)

This function is suitable for inflating tires (car, motorcycle, bicycle) and other high-pressure items.

1. Connect the inflation hose to the inflation port on the device.
2. Select the appropriate nozzle for your item and attach it to the inflation hose.
3. Connect the nozzle securely to the item to be inflated (e.g., tire valve).
4. Turn on the device. The digital display will show the current pressure.
5. Use the pressure adjustment buttons (+/-) to set the desired target pressure.
6. Press the start button to begin inflation. The device will automatically stop when the target pressure is reached.
7. Disconnect the nozzle and hose from the item and the device.



Figure 3: Inflating a car tire.



Figure 4: Inflating a soccer ball.



Figure 5: Inflating a motorcycle tire.

6.2 Inflation Function (Low Pressure / Blower)

This function is ideal for quickly inflating air mattresses, inflatable pools, and other large volume, low-pressure items. It can also be used as a blower.

1. Connect the appropriate wide nozzle to the air blowing outlet.
2. Insert the nozzle into the item to be inflated.
3. Turn on the device and select the low-pressure inflation mode (if applicable, refer to display icons).
4. Press the start button to begin inflation. Monitor the item to prevent over-inflation.
5. For blowing, simply point the outlet towards the area to be cleared of debris.



Figure 6: Inflating an inflatable mattress.

6.3 Vacuum Function

Use the vacuum function to clean up small debris in vehicles or other areas.

1. Connect the vacuum hose to the air suction inlet.
2. Attach the desired vacuum accessory (crevice tool or brush attachment) to the end of the hose.
3. Turn on the device and select the vacuum mode.
4. Direct the vacuum attachment towards the debris to be cleaned.
5. After use, turn off the device and empty the dust bin.



Figure 7: Vacuuming inside a camper.



Figure 8: Vacuuming car interior with brush attachment.



Figure 9: Vacuuming car exterior step.

6.4 LED Light Function

The integrated LED light can be used independently or while operating other functions to illuminate your work area.

- Locate the LED light button on the control panel.
- Press the button to turn the LED light on or off.

7. Maintenance

7.1 Cleaning the Dust Bin

Regularly empty and clean the dust bin to maintain optimal vacuum performance.

1. Ensure the device is turned off and disconnected from any power source.
2. Detach the dust bin from the main unit.
3. Empty the contents into a waste receptacle.

4. Clean the dust bin and filter with a damp cloth. Allow to dry completely before reassembling.
5. Reattach the dust bin securely to the device.

7.2 General Cleaning

Wipe the exterior of the device with a soft, damp cloth. Do not use abrasive cleaners or solvents.

7.3 Storage

Store the device and its accessories in a cool, dry place, away from direct sunlight and extreme temperatures. Ensure hoses and cables are neatly coiled and stored in their designated compartments.



Figure 10: Integrated storage for hoses and power cord.

8. Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Device does not turn on.	Battery is not charged or not properly inserted. 12V adapter not connected or vehicle socket is faulty.	Ensure battery is fully charged and correctly inserted. Check 12V connection and vehicle's power socket.
Inflation is slow or weak.	Low battery charge. Hose or nozzle not securely attached. Leak in the item being inflated.	Recharge the battery. Ensure all connections are tight. Inspect the item for punctures or leaks.
Vacuum suction is weak.	Dust bin is full. Filter is clogged. Vacuum hose is not properly attached or is blocked.	Empty the dust bin. Clean or replace the filter. Check hose connections and clear any blockages.
Device stops unexpectedly.	Overheating due to prolonged use. Low battery.	Allow the device to cool down for 15-20 minutes. Recharge or replace the battery.

9. Specifications

Feature	Detail
Model Number	SXVI02001A
Brand	Stanley
Power Source	12V DC / 18V Li-ion Battery
Max Inflation Pressure	160 PSI / 11 Bar
Air Inflation Capacity	16 liters/minute
Vacuum Suction Power	9 Kpa
Air Suction Speed	10 liters/second
Cable Length (12V DC)	4.2 meters
Dimensions (L x W x H)	37 cm x 12 cm x 26 cm
Weight	4.4 Kilograms
Material	Plastic
Color	Yellow

10. Warranty and Support

STANLEY products are manufactured to high-quality standards. For information regarding warranty coverage, please refer to the warranty card included with your purchase or visit the official STANLEY website.
For technical support, spare parts, or service inquiries, please contact your local STANLEY service center or the retailer from whom you purchased the product.

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