

STANLEY FatMax SVK203

STANLEY FatMax SVK203 Kit User Manual

Models: SFMCH900 Rotary Hammer, SFMCG400 Angle Grinder

1. INTRODUCTION

This manual provides essential instructions for the safe and effective use of your STANLEY FatMax SVK203 Kit. This kit includes the SFMCH900 Rotary Hammer, SFMCG400 Angle Grinder, two V20 18V 4.0Ah Lithium-Ion batteries, a fast charger, and two TSTAK II cases. Please read this manual thoroughly before operating the tools and keep it for future reference.

2. GENERAL SAFETY INSTRUCTIONS

WARNING: Read all safety warnings, instructions, illustrations, and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious injury.

Work Area Safety

- Keep work area clean and well lit. Cluttered or dark areas invite accidents.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust. Power tools create sparks which may ignite the dust or fumes.
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

Electrical Safety

- Power tool plugs must match the outlet. Never modify the plug in any way.
- Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges, and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
- Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.

Personal Safety

- Always wear eye protection. Use appropriate safety equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection when necessary.
- Dress properly. Do not wear loose clothing or jewelry. Keep your hair and clothing away from moving parts.

- Stay alert, watch what you are doing, and use common sense when operating a power tool.

Tool Use and Care

- Do not force the power tool. Use the correct power tool for your application.
- Disconnect the plug from the power source and/or remove the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.
- Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.

Battery Tool Use and Care

- Recharge only with the charger specified by the manufacturer.
- Use power tools only with specifically designated battery packs.
- When battery pack is not in use, keep it away from other metal objects.

3. KIT COMPONENTS

Your STANLEY FatMax SVK203 Kit includes the following items:

- STANLEY FatMax SFMCH900 Rotary Hammer
- STANLEY FatMax SFMCG400 Angle Grinder
- 2 x STANLEY FatMax V20 18V 4.0Ah Lithium-Ion Batteries
- STANLEY FatMax V20 Fast Charger
- 2 x TSTAK II Cases
- Side handle and depth guide for Rotary Hammer

4. SETUP AND ASSEMBLY

4.1. Charging the Battery

Before first use, fully charge the battery. Ensure the charger is connected to a power outlet and the battery is securely inserted into the charger.



Image: STANLEY FatMax V20 18V 4.0Ah Lithium-Ion Battery. This image shows the yellow and black battery pack, ready for charging or insertion into a tool.



Image: STANLEY FatMax V20 Fast Charger. This image displays the black fast charger with ventilation slots, designed for V20 batteries.

1. Plug the charger into a suitable power outlet.
2. Slide the battery pack onto the charger until it clicks into place.

3. The charging indicator light on the charger will show the charging status. Refer to the charger's specific manual for light indications.
4. Once fully charged, remove the battery from the charger.

4.2. SFMCH900 Rotary Hammer Setup



Image: STANLEY FatMax SFMCH900 Rotary Hammer. This image shows the rotary hammer with its side handle attached, featuring a yellow and black design.

1. **Attaching the Side Handle:** Loosen the side handle clamp, slide the handle onto the tool's neck, and tighten it in a comfortable working position.
2. **Inserting Drill Bits (SDS-Plus):** Pull back the chuck collar, insert the SDS-Plus drill bit until it locks, then release the collar. Pull on the bit to ensure it is securely seated.
3. **Inserting Battery:** Slide a charged V20 battery into the base of the tool until it clicks.

4.3. SFMCG400 Angle Grinder Setup



Image: STANLEY FatMax SFMCG400 Angle Grinder. This image shows the angle grinder with its protective guard and side handle, in a yellow and black finish.

1. **Attaching the Side Handle:** Screw the side handle into one of the three available positions on the grinder head.
2. **Mounting the Grinding Disc:**
 - Ensure the tool is switched off and the battery is removed.
 - Press the spindle lock button.
 - Place the inner flange onto the spindle.
 - Place the grinding disc onto the inner flange.
 - Screw the outer flange onto the spindle and tighten it securely with the spanner provided (not explicitly listed but standard for grinders).
3. **Adjusting the Guard:** Position the protective guard to deflect sparks and debris away from you.
4. **Inserting Battery:** Slide a charged V20 battery into the base of the tool until it clicks.

5. OPERATION

5.1. SFMCH900 Rotary Hammer Operation



Image: STANLEY FatMax SFMCH900 Rotary Hammer in use. A person is shown operating the rotary hammer to drill into a wall, demonstrating its application.

1. **Selecting Mode:** The SFMCH900 offers three modes:
 - **Rotation (Drill Only):** For drilling in wood, metal, and plastics.
 - **Percussion (Hammer Drill):** For drilling in masonry and concrete.
 - **Chisel (Hammer Only):** For light chiseling and demolition work.

Rotate the mode selector switch to the desired setting.

2. **Starting the Tool:** Press the trigger switch to start the tool. The variable speed trigger allows for precise control.
3. **Reversible Function:** Use the forward/reverse switch near the trigger for changing rotation direction.
4. **Drilling:** Apply steady, even pressure. Do not force the tool. Allow the tool to do the work.

5.2. SFMCG400 Angle Grinder Operation



Image: STANLEY FatMax SFMCG400 Angle Grinder in use. A person is shown using the angle grinder to cut a stone slab, highlighting its cutting capability.

1. **Starting the Tool:** Press the trigger switch. The trigger lock provides enhanced safety during operation.
2. **Grinding/Cutting:** Hold the tool firmly with both hands. Allow the disc to reach full speed before contacting the workpiece. Apply light, even pressure.
3. **Safety:** Always ensure the protective guard is correctly positioned. Wear appropriate personal protective equipment, including eye protection, gloves, and hearing protection.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your tools.

- **Cleaning:** After each use, clean the tools with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners. Keep ventilation openings clear of dust and debris.
- **Battery Care:** Store batteries in a cool, dry place away from direct sunlight. Do not store fully discharged batteries for extended periods.
- **Accessory Inspection:** Regularly inspect drill bits, grinding discs, and other accessories for wear or damage. Replace worn accessories promptly.
- **Storage:** Store the tools and accessories in the provided TSTAK II cases in a dry, secure location out of reach of children.



Image: STANLEY FatMax TSTAK II Case. This image shows the black and yellow TSTAK II toolbox, designed for organized storage and transport of tools.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Tool does not start	Battery not charged or not inserted correctly.	Ensure battery is fully charged and securely inserted.
Reduced power or performance	Battery charge low; accessory worn or incorrect.	Recharge battery. Replace worn accessories. Ensure correct accessory for task.
Overheating	Continuous heavy use; blocked ventilation.	Allow tool to cool down. Clear ventilation openings. Reduce load.
Rotary Hammer bit not locking	Chuck collar not pulled back sufficiently; bit not SDS-Plus.	Ensure collar is fully retracted. Use only SDS-Plus bits.
Angle Grinder disc wobbles	Disc not properly seated or outer flange loose.	Re-seat disc and tighten outer flange securely. Inspect disc for damage.

8. TECHNICAL SPECIFICATIONS

SFMCH900 Rotary Hammer

- **Motor:** Brushless
- **Impact Energy:** 2.0 J
- **No-Load Speed:** 0-1500 RPM
- **Impact Rate:** 0-5500 IPM
- **Chuck Type:** SDS-Plus
- **Max Drilling Capacity (Wood):** Ø 40 mm
- **Max Drilling Capacity (Metal):** Ø 13 mm
- **Max Drilling Capacity (Masonry):** Ø 30 mm
- **Voltage:** 18 V

SFMCG400 Angle Grinder

- **No-Load Speed:** 0-9000 RPM
- **Disc Diameter:** Ø 165 mm
- **Spindle Thread:** M14
- **Voltage:** 18 V

V20 Lithium-Ion Batteries

- **Voltage:** 18 V
- **Capacity:** 4.0 Ah
- **Cell Composition:** Lithium-Ion

Note: Specifications are subject to change without notice.

9. WARRANTY AND SUPPORT

For warranty information, please refer to the warranty card included with your product or visit the official STANLEY FatMax website. For technical support, spare parts, or service, please contact your local STANLEY FatMax service center or the retailer where the product was purchased.

Manufacturer: STANLEY FatMax

Model Number: SVK203

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