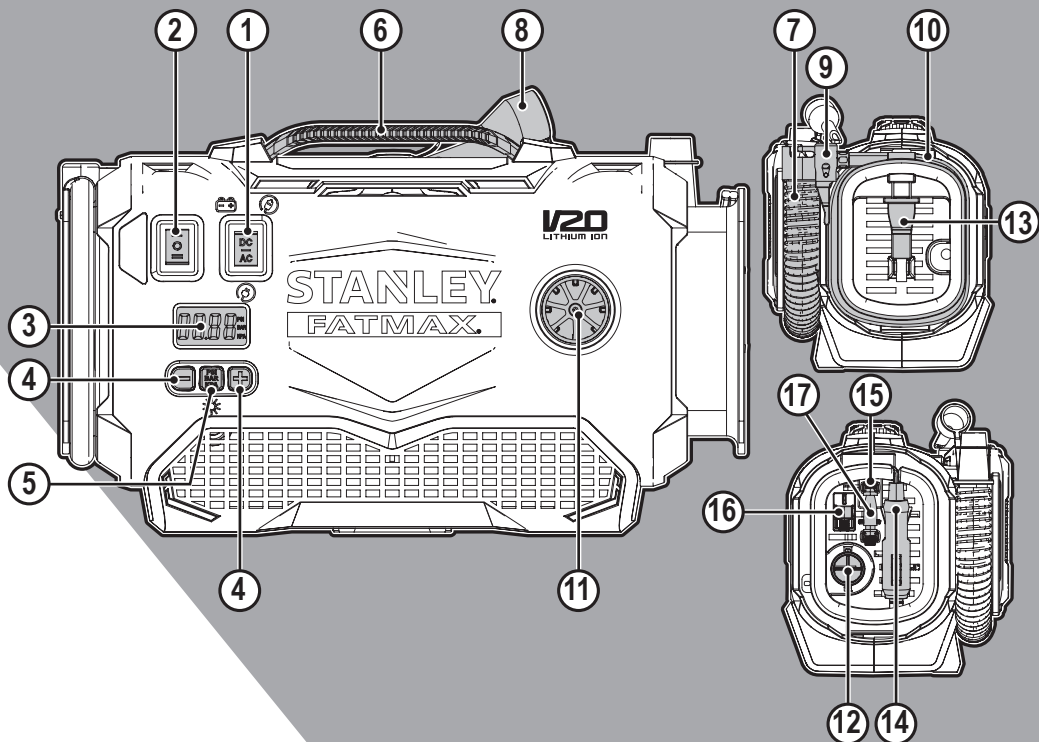
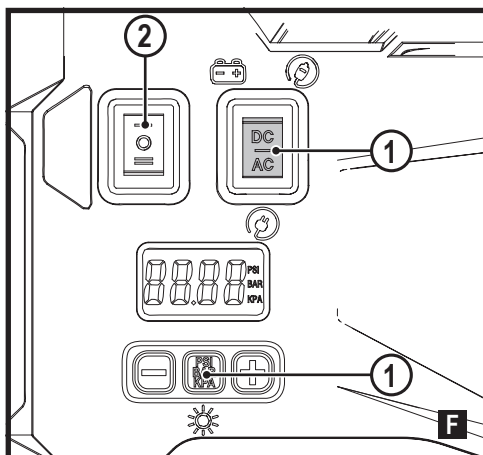
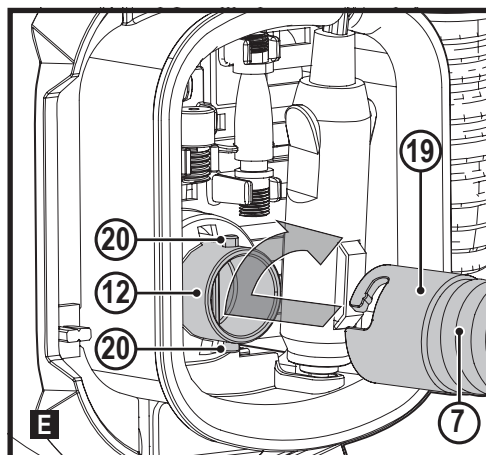
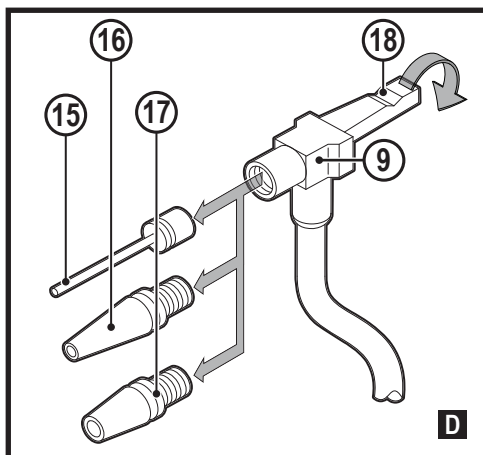
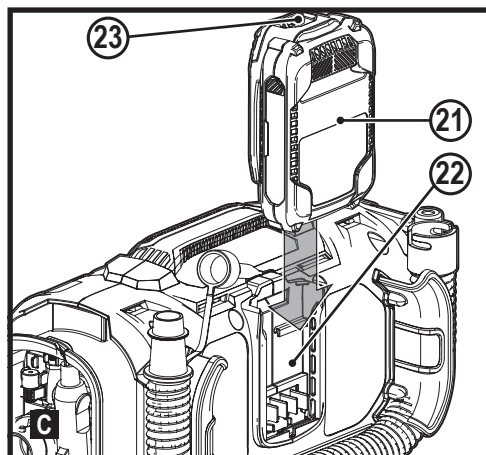
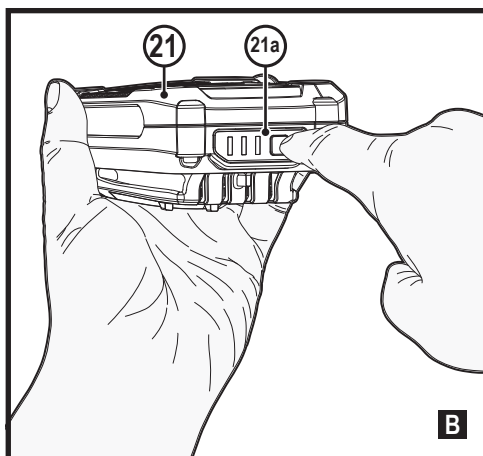
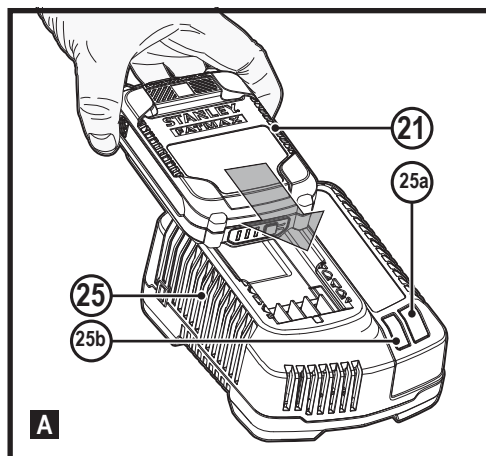
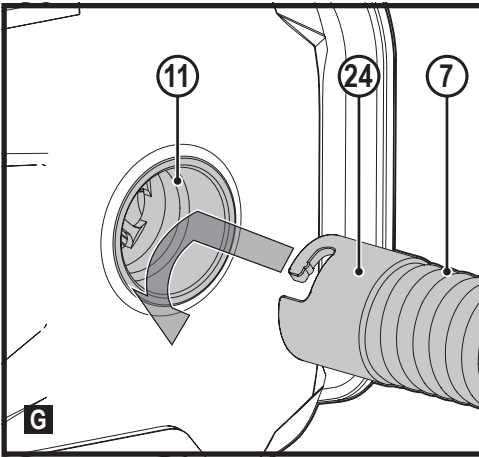


STANLEY[®] **FATMAX[®]** **V20** LITHIUM ION



SFMCE520





Intended use

Your STANLEY FATMAX SFMCE520 Inflation station has been designed to be used in most vehicles from the standard 12 Volt socket to inflate car and bike tyres, balls, rafts, air mattresses, swimming pool floats, etc. This appliances is intended for professional and private, non professional users.



Read all of this manual carefully before operating the appliance.

Safety instructions



Warning! Read all safety warnings and all instructions.

Failure to follow the warnings and instructions listed below may result in electric shock, fire and/or serious injury.

- ♦ The intended use is described in this manual. The use of any accessory or attachment or the performance of any operation with this appliance other than those recommended in this instruction manual may present a risk of personal injury.
- ♦ Retain this manual for future reference.

Using your appliance

- ♦ Do not use the appliance to pick up liquids or any materials that could catch fire.
- ♦ Do not immerse the appliance in water.
- ♦ Never pull the charger lead to disconnect the charger from the socket. Keep the charger lead away from heat, oil and sharp edges.
- ♦ If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

Safety of others

- ♦ The appliance is not to be used by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction.
- ♦ Children being supervised not to play with the appliance.

Inspection and repairs

Before use, check the appliance for damaged or defective parts.

Check for breakage of parts, damage to switches and any other conditions that may affect its operation.

- ♦ Do not use the appliance if any part is damaged or defective.
- ♦ Have any damaged or defective parts repaired or replaced by an authorized repair agent.
- ♦ Regularly check the charger lead for damage.
Replace the charger if the lead is

damaged or defective.

- ◆ Never attempt to remove or replace any parts other than those specified in this manual.

Additional safety instructions

- ◆ The inflator should not be used as a vacuum cleaner (suck up dirt, debris, or materials). It can be used as a deflator (removing air from inflatable products).
- ◆ Inflate bike tyres, balls, rafts, swimming pool floats, air mattresses, and more in and around the home. Recommended maximum continuous duty at 65 psi is 2 minutes on with 5 minutes off.
- ◆ The compressed air from your inflator is not safe for breathing. Never inhale air from your inflator or from a breathing device connected to the inflator.
- ◆ Too much air pressure causes a hazardous risk of bursting. Check the manufacturer's maximum pressure rating for objects being inflated.
- ◆ Do not leave inflator running unattended. It could burst tyres or other items.
- ◆ Use a tire gauge to check the tyres pressure before each use and while inflating tyres; see the tyre sidewall for the correct tyre pressure.
- ◆ Do not modify or attempt to repair. Never drill into, weld, or make any

modifications to the inflator or its attachments.

- ◆ Operate only with the accessories included or air handling parts acceptable for not less than 160 psi.
- ◆ The use of any accessory not recommended for use with this tool could be hazardous.
- ◆ Never "horseplay." High pressure air is dangerous. Don't direct air-flow at yourself or others.

Warning! Always leave the valve adaptor lever open when not in use.

- ◆ Inflator can become hot during use. Allow inflator to cool 30 minutes before storing away.

After use

- ◆ Unplug the charger before cleaning.
- ◆ When not in use, the appliance should be stored in a dry place.
- ◆ Children should not have access to stored appliances.

Residual risks

Additional residual risks may arise when using the tool which may not be included in the enclosed safety warnings. These risks can arise from misuse, prolonged use etc.

Even with the application of the relevant safety regulations and the implementation of safety devices, certain residual risks can not be avoided. These include:

- ◆ Injuries caused by touching any rotating/moving parts.
- ◆ Injuries caused when changing any

parts, blades or accessories.

- ◆ Injuries caused by prolonged use of a tool. When using any tool for prolonged periods ensure you take regular breaks.
- ◆ Impairment of hearing.
- ◆ Health hazards caused by breathing dust developed when using your tool (example:- working with wood, especially oak, beech and MDF.)

Batteries

- ◆ Never attempt to open for any reason.
- ◆ Do not expose the battery to water.
- ◆ The battery terminals are not to be short-circuited.
- ◆ Do not store in locations where the temperature may exceed 40 °C.
- ◆ Charge only at ambient temperatures between 10 °C and 40 °C.
- ◆ Charge only using the charger provided with the tool.
- ◆ If the appliance is to be stored unused for a long period, the batteries should be removed.
- ◆ When disposing of batteries, follow the instructions given in the section "Protecting the environment".



Do not attempt to charge damaged batteries.

Chargers

- ◆ Use your STANLEY FATMAX charger only to charge the battery in the tool with which it was supplied. Other batteries could burst, causing personal injury and damage.
- ◆ Never attempt to charge non-

rechargeable batteries.

- ◆ Have defective cords replaced immediately.
- ◆ Do not expose the charger to water.
- ◆ Do not open the charger.
- ◆ Do not probe the charger.



The charger is intended for indoor use only.



Read the instruction manual before use.

Labels on tools

The following pictograms, along with the date code, are shown on the tool:



Warning! To reduce the risk of injury, the user must read the instruction manual.



Do not expose the appliance to rain or high humidity.



Before performing maintenance or cleaning on the appliance, unplug the supply cord.



Do not leave the inflator unattended.



Class II appliance

Features

This tool includes some or all of the following features.

1. Main power switch
2. Mode power switch
3. Digital readout
4. Pressure setting buttons
5. Pressure mode/reset button
6. Handle
7. High-volume hose
8. Tapered nozzle (high volume hose)
9. Universal valve adapter
10. High-pressure hose
11. High-volume pump deflate connection

12. High volume pump inflator connection
13. 230V AC cord
14. 12V DC vehicle adapter
15. Inflator needle valve
16. Brass coupler adapter
17. Standard tapered nozzle

Use

Warning! Let the tool work at its own pace.
Do not overload.

Charging the battery (Fig. A)

The battery needs to be charged before first use and whenever it fails to produce sufficient power on jobs that were easily done before.

The battery may become warm while charging; this is normal and does not indicate a problem.







Warning! Do not charge the battery at ambient temperatures below 10 °C or above 40 °C. Recommended charging temperature: approx. 24 °C.

Note: The charger will not charge a battery if the cell temperature is below approximately 10 °C or above 40 °C. The battery should be left in the charger and the charger will begin to charge automatically when the cell temperature warms up or cools down.

Note: To ensure maximum performance and life of lithium-ion battery packs, charge the battery pack fully before first use.

- ◆ Plug the charger (25) into an appropriate outlet before inserting battery pack (21).
- ◆ The green charging light (25a) will blink continuously indicating that the charging process has started.
- ◆ The completion of charge will be indicated by the green charging light (25a) remaining ON continuously. The battery pack (21) is fully charged and may be removed and used at this time or left in the charger (25).
- ◆ Charge discharged batteries within 1 week. Battery life will be greatly diminished if stored in a discharged state.

Charger LED Modes

	Charging: Green LED Intermittent	
	Fully Charged: Green LED Solid	
	Hot/Cold Pack Delay: Green LED Intermittent Red LED Solid	

Note: The compatible charger(s) will not charge a faulty battery pack. The charger will indicate a faulty battery pack by refusing to light.

Note: This could also mean a problem with a charger. If the charger indicates a problem, take the charger and battery pack to be tested at an authorized service centre.

Leaving the battery in the charger

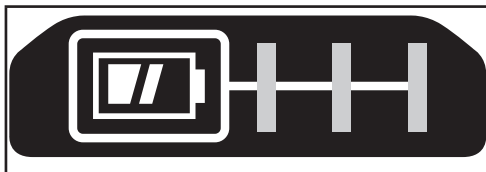
The charger and battery pack can be left connected with the LED glowing indefinitely. The charger will keep the battery pack fresh and fully charged.

Hot/Cold Pack Delay

When the charger detects a battery that is too hot or too cold, it automatically starts a Hot/Cold Pack Delay, the green LED (25a) will flash intermittently, while the red LED (25b) will remain on continuously, suspending charging until the battery has reached an appropriate temperature. The charger then automatically switches to the pack charging mode. This feature ensures maximum battery life.

Battery state of charge indicator (Fig. B)

The battery includes a state of charge indicator to quickly determine the extent of battery life as shown in figure B. By pressing the state of charge button (21a) you can easily view the charge remaining in the battery as illustrated in figure B.



Installing and Removing the Battery Pack from the tool

Warning! Make certain the lock-off button is engaged to prevent switch actuation before removing or installing battery.

To install battery pack (Fig. C)

NOTE: For best results, make sure your battery pack is fully charged.

To install the battery pack (21) into the inflator, align the battery pack with the rails inside inflator's battery port (22) and slide it into the port until the battery pack is firmly seated and ensure that it does not disengage.

To remove the battery pack from the tool, press the release button (23) and firmly pull the battery pack out of the tool. Insert it into the charger as described in the charger section of this manual.

Fitting the Accessories

Universal Valve Adapter (Fig. D)

Your inflator is supplied with the inflator needle valve (15), a brass coupler (16), and the standard tapered nozzle (17), located on the side of the unit.

- ◆ To use the universal valve adapter (9), make sure the lever is in the up position.
- ◆ Place the valve adapter over the stem of the inflator needle valve, brass coupler adapter or standard tapered nozzle.
- ◆ Press the lever (18) on the universal valve adapter down to lock it in place.
- ◆ Place the inflator needle valve, brass coupler adapter or tapered nozzle into the item to be inflated.

Note: Always make sure that the lever is in the up position when not in use. Operate your inflator only with the universal valve adapter or with the included nozzles.

Note: Make sure the universal valve adapter is firmly locked in place before turning the inflator on.

High-volume hose (Fig. E)

- ◆ Remove the high-volume hose (7) from the storage location.
- ◆ Line up the notches (19) of the hose with the nubs (20) of the high volume pump inflator connection (12). Then, slide the hose on and twist counter-clockwise to secure.
- ◆ To remove, twist the hose clockwise and slide hose off.

Note: Many inflatables have an internal flap that prevents air loss during inflation, especially air mattresses. Unless this flap is displaced by the nozzle the inflatable will not inflate. Push the nozzle firmly into the valve to make sure that you push this flap out of the way.

Warning! Risk of Bursting. Excessive air pressure may cause a hazardous risk of bursting or personal injury. Check the manufacturer's maximum pressure rating for items being inflated.

Note: If the pressure rating for the item being inflated is above 100 p.s.i.g., note that the maximum run time is 10 minutes, leave to rest for 20 minutes before reusing.

Switching on

Warning! Risk of Bursting. Do not leave unit running unattended. Overinflation of tires and other items could result in serious injury and property damage.

Note: When power is supplied to the inflator by 12V, 18V battery, or 230V AC the digital readout display will remain on for approximately 10 minutes before the display shuts off/goes into sleep mode. This occurs when the unit is not operating. To wake up the system, the user will need to push the pressure mode / reset button (5). At this time the

digital readout will turn on and the inflator is ready for use. Before switching your inflator on, decide which power source you will be using: 12V AC adapter, 230V AC plug or a 18V Max* battery pack.

- ◆ To use the 12V AC adapter, or 18V Max* battery pack press the AC/DC power switch 1 located on the front of the unit to DC.
- ◆ If using the 230V AC vehicle adapter (14), always fully extend the 230V AC cord before each use.
- ◆ Connect the 12V AC vehicle adapter (14) into your vehicles 12V AC accessory socket.
- ◆ To use the 230V AC cord, press the AC/DC switch (1) located on the front of the unit to AC.
- ◆ If using the 230V AC cord (13), always fully extend the cord before each use.
- ◆ Connect the 230V AC cord (13) into either a wall outlet or an appropriate sized extension cord that is plugged into a wall outlet.

To turn on high-volume

The high-volume hose is meant to be used for objects that hold large amounts of air, such as air mattresses, rafts, and swimming pool floats.

Note: The high-volume mode **DOES NOT** have an auto shut-off feature.

- ◆ Attach the high-volume hose (7) to the high volume pump inflator connection (12) as described in the High Volume Hose section.
- ◆ Insert the high-volume hose (7), or it's tapered nozzle (8) into the object being inflated.
- ◆ Press the high-volume side of the mode power switch (2), indicated by the air mattress symbol.
- ◆ To turn off, push the power switch to the center position.

To turn on high-pressure

The high-pressure hose is meant to be used for objects that need more air pressure, such as tires and basketballs.

- ◆ Remove the high-pressure hose (10) from the storage.
- ◆ Attach a nozzle as described in the Universal valve adapter section.
- ◆ Insert the nozzle into the object being inflated.
- ◆ Press the high-pressure side of the mode power switch (2), indicated by the tire symbol.
- ◆ To turn off, push the power switch to the center position.

Deflate using the high-volume hose (Fig. G)

Warning! Beware of objects being ejected.

When deflating, large amounts of air will exit the high volume pump inflator connection (12). Ensure the universal valve adapter is not pointed at anyone or anything.

- ◆ Remove the high-volume hose (7) from the storage location.

- ◆ Line up the hose end (24) with the high-volume pump deflate connection (11).
Then, firmly slide in the hose so it is securely in place.
- ◆ Insert the hose, or it's tapered nozzle (8) into the object being deflated.
- ◆ Press the high-volume side of the mode power switch (2), indicated by the air mattress symbol.
- ◆ To turn off, push the power switch to the center position.
- ◆ To remove the hose, twist the hose counterclockwise and slide hose off.

Setting the automatic shut-off pressure

Note: The digital readout will only show inflation pressures when the inflator is being used. In both inflation and pump mode the unit will show battery status.

- ◆ To switch between the different units (psi, bar or kPa), press the pressure mode/reset button (5) until the required units are displayed.
- ◆ Press the - or + pressure setting buttons (4) until the required pressure is displayed.
- ◆ After 3 seconds the display will flash and return to a reading of "0.0". This is normal.
- ◆ Connect the universal valve adapter (9) and accessories, if required, to the item to be inflated, making sure that the lever of the universal valve adapter is in the down position to lock it in place.
- ◆ To start the inflator press the mode power switch (2), towards the side of the tire symbol.
- ◆ When the item to be inflated has reached the preset value the unit will automatically turn off.

NOTE: You may notice the actual pressure reading may drop after a couple of seconds. This is normal.

7. To stop the inflator at any time, press the main power button back to the center position.

Note: If the AC/DC power switch is turned off, all settings will be lost and will need to be reentered. This is a safety feature to prevent the risk of items OVER INFLATING.

Using the inflator as a pressure gauge

- ◆ Connect the universal valve adapter (9) to the item to be checked.
- ◆ Press the mode power switch (2), on the side of the tire symbol.
- ◆ The digital readout will display the item's pressure.
- ◆ After checking, press the mode power switch (2) back to the center position and return the air hose to the storage location.

Maintenance

Your STANLEY FATMAX corded and cordless appliance has been designed to operate over a long period of time with a

minimum of maintenance. Continuous satisfactory operation depends upon proper tool care and regular cleaning.

Warning! Before performing any maintenance on cordless appliances:

- ◆ Run the battery down completely if it is integral and then switch off.
- ◆ Unplug the charger before cleaning it. Your charger does not require any maintenance apart from regular cleaning.
- ◆ Regularly clean the ventilation slots in your appliance/charger using a soft brush or dry cloth.
- ◆ Regularly clean the motor housing using a damp cloth. Do not use any abrasive or solvent-based cleaner.
- ◆ If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

Protecting the environment



Separate collection. Products and batteries marked with this symbol must not be disposed of with normal household waste.

Products and batteries contain materials that can be recovered or recycled reducing the demand for raw materials. Please recycle electrical products and batteries according to local provisions. Further information is available at www.2helpU.com

Technical Data

	SFMCE520
Voltage	18Vdc, 230Vac and 12V vehicle voltage
Weight	2.21Kg

Charger		SFMCB11	SFMCB12	SFMCB14
Input Voltage	V _{AC}	230	230	230
Output Voltage	V _{DC}	18	18	18
Current	A	1.25	2	4

Battery		SFMCB201	SFMCB202	SFMCB204	SFMCB206
Voltage	V _{DC}	18	18	18	18
Capacity	Ah	1.5	2.0	4.0	6.0
Type		Li-Ion	Li-Ion	Li-Ion	Li-Ion

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