



# STANLEY SIG 2000-1 Inverter Generator Instruction Manual

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# STANLEY®

Inverter generator  
Original instructions  
SIG 2000-1

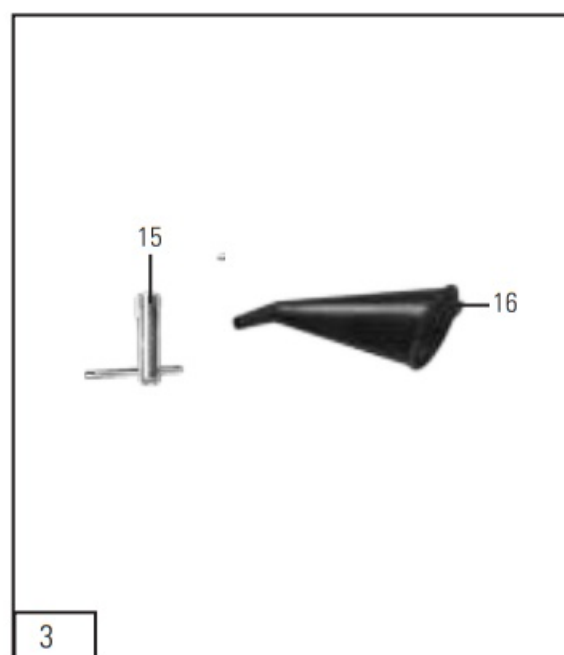
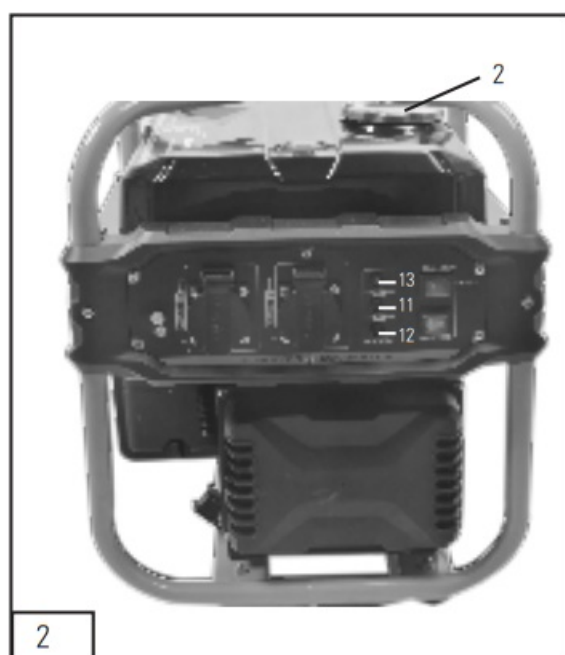
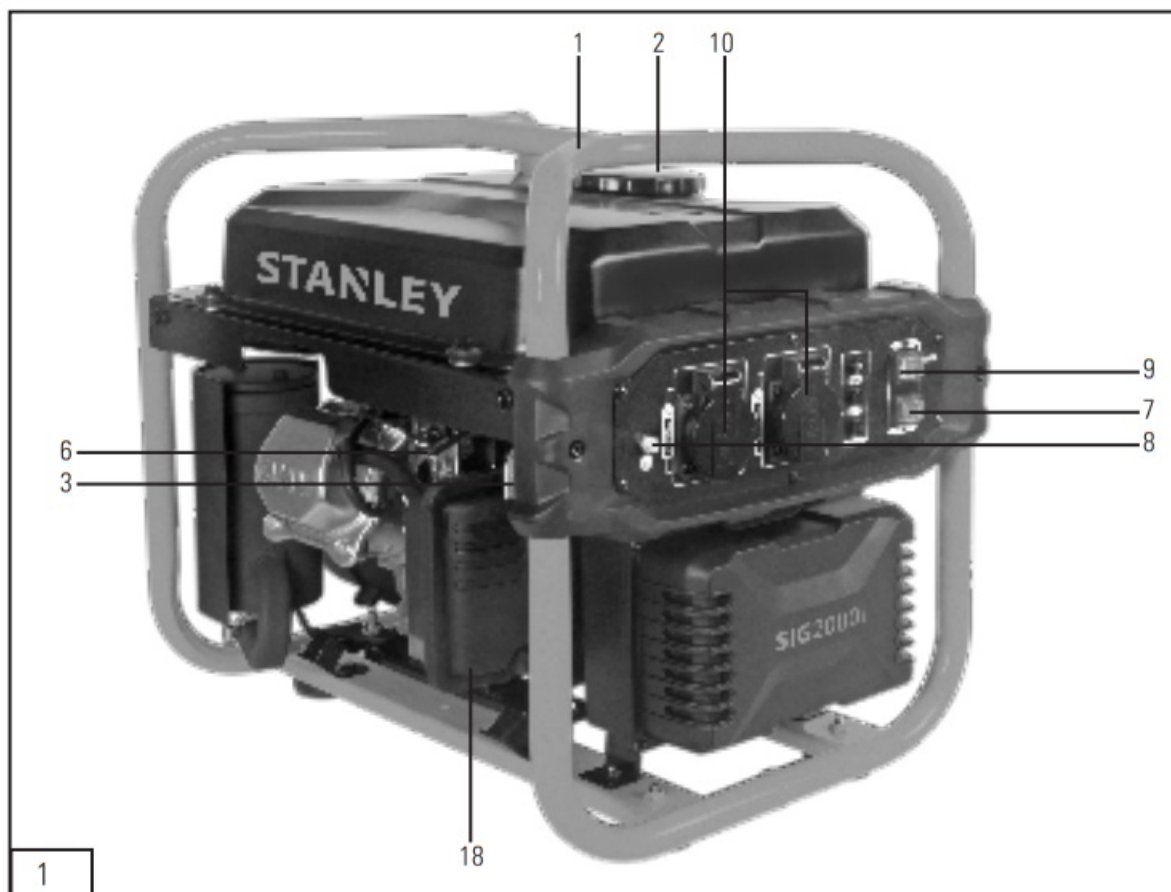


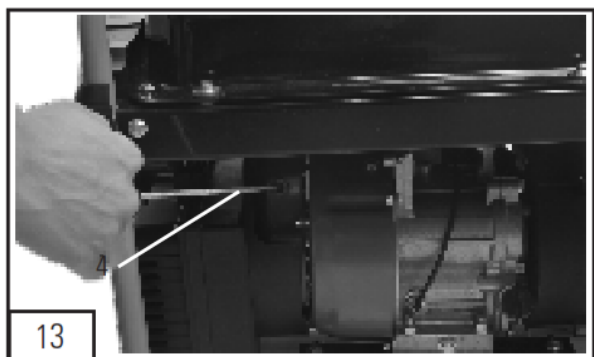
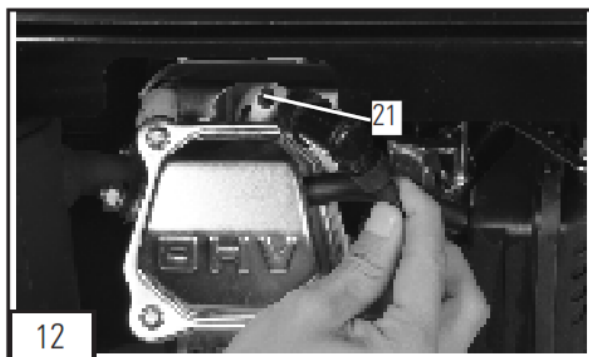
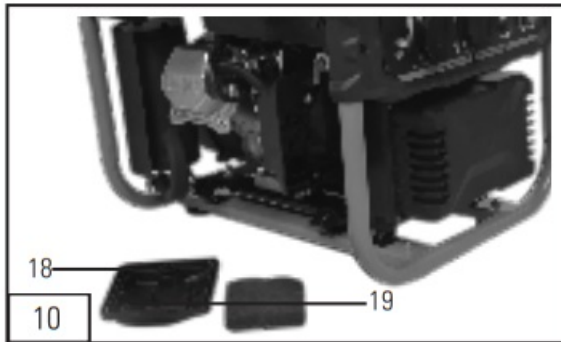
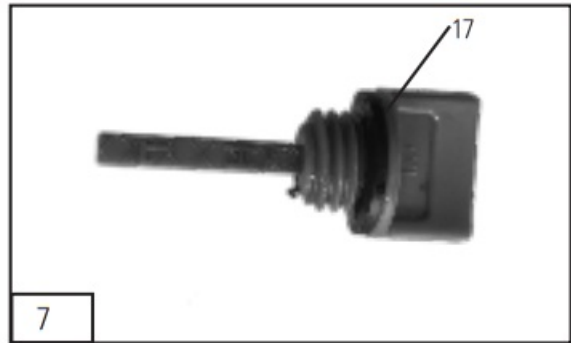
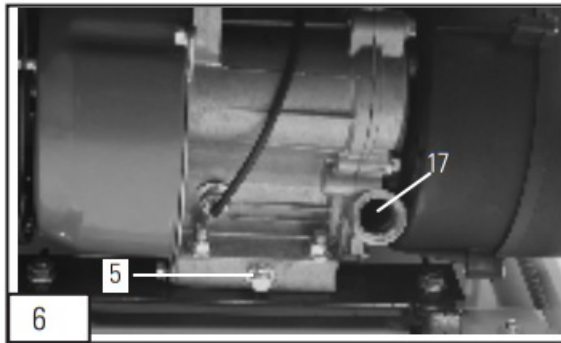
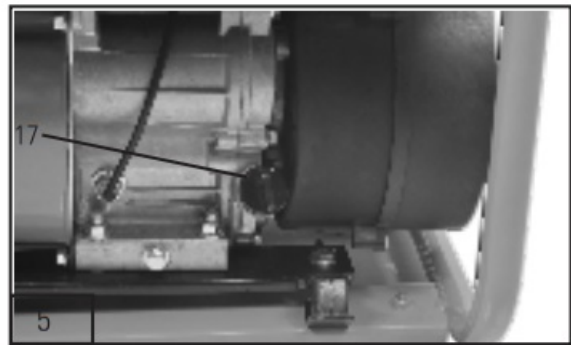
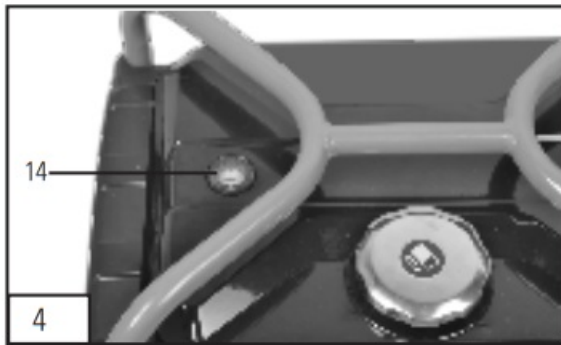
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## SIG 2000-1 Inverter Generator

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Product manufactured and distributed by: FNA S.p.A. – Via Einaudi 6, Robassomero (TO) Italy.





## Foreword

We congratulate you on your decision to buy a Stanley generator. Before the delivery, our generators are subjected to strict quality controls.

Stanley generators are lightweight, quiet, compact and traditionally reliable. Durability, smooth start-up behaviour and high efficiency have been a standard in all Stanley generators.

**Attention:** Please read this manual carefully before using the generator for the first time and observe the instructions contained therein. Keep this operating manual carefully so that you can use it later, if necessary, or forward it to subsequent owners of the generator.

## General safety instructions

In the operation of this generator, you have to observe the safety instructions. Before maintaining or servicing the generator, read the operating manual carefully. Incorrect installation of the generator may lead to feedback that destroys the generator and causes fire.

When using the generators with the appliances which do not conform to EMC regulation, the appliances may not be started because of the electromagnetic interference. Generator will not damage the appliances.

### **WARNING:**

Always read the basic safety instructions before using this generator. Observe the instructions contained therein in order to avoid the risk of fire, electric shock and injuries.

### **Instruction:**

1. Provide for a clean and tidy working area. Untidiness may lead to accidents.
2. Don't work with the generator in explosive atmospheres where there are inflammable liquids, gases or dusts.  
Protect the generator from rain or humidity.
3. Keep children away from the generator when it is being used. In case of distraction, you might lose control over the generator. Only allow instructed personnel to operate the generator.
4. Keep the unused generator out of the reach of children. Don't allow persons to use the generator if they are not familiar with it or if they haven't read these instructions.
5. Don't use excessive force!
6. Use the correct tool for cleaning, maintenance and installation.
7. Wear correct working clothes; avoid loose clothes, gloves, scarves, rings, necklaces or bracelets or other jewellery as they could get caught in moving components. Wear shoes with anti-slip soles.
8. Wear personal protective equipment (hearing protection, protective goggles, respirator mask).
9. During transport and operation, the generator must be installed on a horizontal surface, standing in a vertical position, and secured against shifting, if necessary.
10. Never stand on the generator. Keep the hands and feet away from the generator. Serious injuries might result if the generator tilts over.
11. Keep the generator clean. Service the generator carefully. Only use carefully maintained generators. Do not modify the generator.
12. Remove adjusting tools or wrenches before switching the generator on.
13. Be careful, pay attention to what you do and work reasonably with the generator. Don't use the generator when you are tired.
14. Before using the generator firstly check the generator. Check whether parts are broken or damaged so that the generator's functioning is impaired. Only have your generator repaired by qualified experts and only with original spare parts.
15. Please use the generator as intended. Only use the spare parts recommended by the manufacturer.

**WARNING:** If the instructions in this manual are not complied with, there is a risk of injury or even danger to life. Keep this operating manual carefully. Additional safety instructions

- Secure the generator against shifting and toppling during transport.

- Place the generator at least 1m away from buildings and the equipment connected to it.
- Do not expose the tools to damp or dust. Permissible ambient temperature – 10 to + 40°C, max. altitude above sea level 1000 m, relative humidity: 90 % (noncondensing).
- Check the generator for damage and leakage before every use.
- Keep the generator away from flammable liquids, gases or dusts. The generator must not be operated in environments with flammable liquids, gases or dusts.
- Operate the generator on a level surface. Otherwise, fuel will be spilled.
- Have the installation carried out only by a specialized electrician in order to satisfy all legal requirements.
- Keep children and pets away from the generator.
- Wear suitable clothes. Don't wear loose clothes or jewellery. Keep hair, clothes and gloves away from moving parts.
- Always refuel in well ventilated places.
- Fuel is extremely flammable and under certain conditions also explosive.
- Switch the engine off and refuel in well ventilated rooms. Wipe up fuel immediately in case of overflow.
- Never touch the generator with wet hands.
- Protect the generator from rainfall or snowfall.
- If this generator is damaged, it has to be repaired by the manufacturer or their customer service or a qualified person in order to avoid any risks.
- Exhaust gases are toxic! Only operated the generator outside, in well ventilated places.
- Be careful when refuelling and handling fuel and oil in any way. In case of contact with skin and inhalation (vapours!), they are detrimental to health.
- In order to avoid electric shocks, use only overload switches recommended by the manufacturer.

**Attention!** Defective overload switches may only be replaced with identical overload switches with identical performance data.

- Due to the high mechanical loads, only rubber cables or similar designs may be used.
- When using the extension cable, please note the following: Guard against electric danger. When working outdoors, use only extension cables that are approved for outdoor use and which are marked accordingly (HO7RN-F).
- The overall length of the extension cables used may not exceed 50 m for 1.5 mm<sup>2</sup> and 100 m for 2.5 mm<sup>2</sup>.

## Description of symbols



Read and understand the safety instructions before using the generator.



During operation, toxic gases are produced e.g. carbon monoxide (Which is a colourless and odourless gas) this gas may lead to by suffocation. Only operate the generator outside to ensure adequate ventilation.



Switch the engine off and allow to cool before refuelling the generator. Fuel is extremely flammable and

under certain conditions can be explosive. Only refuel the generator in well ventilated areas ensuring that naked lights, sparks and cigarettes are not present. Any spillage of fuel should be immediately cleaned up.



The exhaust gets very hot during operation. Allow the engine to cool before performing maintenance storage and refuelling. Do not touch the exhaust to avoid the risk of burns and injury.



The generator must not be connected to the public power supply. In case of improper connection there is a risk of fire and damage to property including electrocution to persons using the generator and working on the public power supply.



Warning hazardous voltages are present when the generator is in use, Always switch the generator off before performing maintenance.



Wear ear protection when using the generator.



Earth terminal connection refer to instruction manual for use.



Disconnect all equipment from the socket outlets when performing maintenance or when left unattended and switched off.



Wear good quality, strong gloves.



Check the oil level before operation.



Choke lever



In compliance with applicable European directives



Never expose the device to rain.



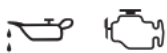
Strictly no naked flames or smoking near the appliance!



Caution Risk of injury! Switch off the engine before servicing and Pull the spark plug connector.



Guaranteed sound power level



Before first use, pour in the oil!

## Proper use

The device is designed for applications operated with a 230 V alternating current source.

Be sure to observe the restrictions in the safety instructions. The generator is intended to provide electric tools and light sources with electricity. When using the device with household appliances, please check their suitability in accordance with the relevant manufacturer's instructions. In case of doubt, ask an authorized dealer of the respective appliance. The machine is to be used only for its prescribed purpose. Any other use is deemed to be a case of misuse. The user / operator and not the manufacturer will be liable for any damage or injuries of any kind caused as a result of this.

## **Layout and items supplied (Fig. 1-3)**

1. Carry handle
2. Tank cover
3. Petrol cock
4. Starter cable
5. Oil drain plug
6. Choke lever
7. ON/OFF switch
8. Earthing connection
9. Economy switch
10. 230 V~ socket
11. Operating status indicator
12. Overload indicator
13. Low oil indicator
14. Tank indicator
15. Spark plug spanner
16. Oil filler funnel
17. Oil filler plug(dipstick)
18. Air filter cover
19. Air filter element
20. Spark plug cover
21. Spark plug

## **Technical data**

Engine	
Model:	QL160
Protection type:	IP3M
Engine:	cylinder,Air-cooled,OHV.
Cubic capacity:	119 cc
Oil tank volume:	0,35 L
Fuel tank volume:	10L
Spark plug:	TORCH E7RTC
<b>Generator</b>	
Mains voltage (V):	230 V
frequency (Hz):	50 Hz
Nominal power PRP (kW):	1,8
Max power:	2 kW
Net weight:	21.6 kg
Gross weight:	23 kg
Power factor:	1,0
Power class:	G1
Noise:	95 dB(A)

#### **Application information:**

1. Optimum temperature in operation: 5 – 40 °C.
2. Altitude:maximum 1000 m.
3. Optimum temperature for storage of the generator: – 25 – 70 °C.

#### **Before putting the generator into operation**

Remove the packaging material and check that all items have been supplied. Place the generator on a firm, flat surface near the electrical equipment and ensure proper ventilation.

##### **7.1 Electrical safety:**

- Electric supply cables and connected equipment must be in perfect condition.
- The generator is to be operated only with equipment whose voltage specifications conform with the generator's output voltage.
- Never connect the generator to the power supply (socket-outlet).
- Keep the cable length to the electrical equipment as short as possible.

##### **7.2 Environmental protection**



- Dispose of soiled maintenance material and operating materials at the appropriate collection point.
- Recycle packaging material, metal and plastics.

### 7.3 Connecting to earth (Fig.1)

The housing is allowed to be connected to earth in order to discharge static electricity. To do this, connect one end of a cable to the earth connection on the generator (Item 8) and the other end to an external earth (for example an earthing rod).

### 7.4 Topping up fuel (Fig.4)

#### **WARNING**

Switch off and ensure you are in a well ventilated area.

Unscrew the tank cover (Item 2) and add enough unleaded gasoline using a filler neck.

Ensure that you do not overfill the tank and spill petrol.

(If you do spill, wipe up the excess amount and wait until the vapors have evaporated – danger of ignition.) Screw the tank cover back on.

### 7.5 Topping up oil (Figs. 5-7)

#### **WARNING**

Switch off and ensure you are in a well ventilated area.

Open the oil filler screw (Item 17) and add approximately 0,35 l of engine oil (15W40) using the supplied oil filler funnel (Item 16) or until the top fill mark on the oil dipstick (Item 17) is reached.

#### **Important:**

Do not screw in the oil dipstick to check the oil level – only insert it as far as the thread. Close the oil filler opening and remount the engine cover.

**Important!** You must fill up with engine oil and fuel before you can start the engine.

## **Operation**

- Check the fuel level and top it up if necessary.
- Make sure that the generator has sufficient ventilation.
- Make sure that the ignition cable is secured to the spark plug.
- Inspect the immediate vicinity of the generator.
- Disconnect any electrical equipment which may already be connected to the generator.

### 8.1 Starting the engine (Figs. 1 , 2,13)

**Important:** Do not use any chemical starting agents such as highly volatile fuels or similar.

- Open the Petrol cock (Item 3) by turning it down.
- Move the ON/OFF switch (Item 7) to the “ON” position.
- Pull the choke lever (Item 6) to “choke” position.
- Start the engine with the starter cord (Item 4) by pulling the handle forcefully. If the engine does not start, pull the handle again. **Important:**  
Always pull the starter cable slowly until you feel the initial resistance before you then pull it quickly to start the engine. Do not allow the starter cable to whip back of its own accord.
- Push the choke lever (Item 6) back approximately 5 to 10 seconds after the engine has started.

### 8.2 Economy mode

Economy switch (Item 9) in the “Eco” position:

The engine speed is regulated in accordance with minimum power requirements and the generator runs quietly

and efficiently.

Economy switch (Item 9) in the "Max" position:

The generator runs at maximum speed.

### 8.3 Connecting consumers to the generator (Fig. 2)

- Connect the 230 V~ electrical appliances to be powered to the socket (Item 10). Important: This socket is allowed to be exposed to a continuous (S1) load of 1800 W and temporarily (S2) for a maximum of 5 minutes to a load of 2000 W.
- Do not connect the generator to the household mains system, since this may damage the generator.

**Note:** Some using electrical appliances here but not through out manual (power jigsaws, drills, etc.) may have a higher level of power consumption when used in difficult conditions.

### 8.4 Overload cut-out (Fig. 2)

230 V socket

- The status indicator (Item 11) is lit green during normal operation.
- An overload has occurred if the status indicator light goes out and the overload indicator (Item 12) light up red.
- Reduce the level of power to be drawn.

Important: If an overload occurs, ensure that the power drawn does not exceed the generator's maximum power output and that no defective electrical appliances are connected.

### 8.5 Switching off the engine

- Before you switch off the generator, allow it to run briefly with no electrical equipment connected so that it can cool down.
- Move the ON/OFF switch (Item 7) to the OFF position.
- Close the petrol cock (Item 3).

### Cleaning, maintenance, storage, transport and ordering of spare parts

Switch off the motor and pull the spark plug boot from the spark plug before doing any cleaning and maintenance work on the equipment.

Important: Switch off the generator immediately and contact your service station:

- In the event of unusual vibrations or noise.
- If the engine appears to be overloaded or misfires.

### 9.1 Cleaning

- Keep all safety generators, air vents and the motor housing free of dirt and dust as far as possible. Wipe the generator with a clean cloth or blow it with compressed air at low pressure.
- We recommend that you clean the generator immediately each time you have finished using it.
- Clean the generator regularly with a moist cloth and some soft soap. Do not use cleaning agents or solvents; these could attack the plastic parts of the equipment. Ensure that no water can seep into the generator.

### 9.2 Changing the oil and checking the oil level (before using the generator) (Figs. 5-7)

The motor oil is best changed when the motor is at working temperature. Please also read the service information.

- Keep a suitable, leak-tight receptacle within reach when performing an oil change.
  - . Undo the oil filler screw (Item 17)
  - . Undo the oil drain screw (Item 5) and drain the warm engine oil through the drain channel into a container.
  - . After all the oil has drained out, tighten the oil drain screw and clean the drain channel with a cloth.
- Add new engine oil with the oil filler funnel (Item 16) until the top fill mark on the oil dipstick (Item 17) is reached.  
**Important:** Do not screw in the oil dipstick to check the oil level – only insert it as far as the thread.
- Use the motor oil 10W-30 or 10W-40 for general, normal use. The motor oil 5W-30 is recommended for low-Temperature environment. ( -20 degree to 0 degree)
- Dispose of the used oil properly by taking it to a collection point. Most filling stations, repair garages, and recycling centers will accept used oil free of charge. Do not add antifreeze or transmission fluid to the used oil. Keep used oil out of the reach of children and away from sources of ignition.

### 9.3 Automatic oil cut-out

- The engine will not start if it does not have enough oil.
- If the engine is low on oil while it is running, the oil warning indicator (Item 13) will light up red and the engine will stall. The oil indicator goes out when the engine has come to a complete stop.
- The engine oil must be topped up before the engine can be started again.

### 9.4 Air filter (Figs. 8-10)

Clean the air filter at regular intervals, and replace it if necessary. Please also read the service information.

- Remove the air filter cover (Item 18).
- Remove the air filter (Item 19).
- Clean the air filter by tapping it. In cases of stubborn dirt first clean with soapy water, then rinse with clear water and air-dry before reinserting. Important: Do not use abrasive cleaners or petrol to clean the air filter.
- Assemble in reverse order.

### 9.5 Spark plug (Fig. 11-12)

Check the spark plug for wear at regular intervals. Please also read the service information.

- Pull off the spark plug boot (Item 20) by twisting it.
- Remove the spark plug (Item 21) using the supplied spark plug wrench (Item 15).
- Clean the spark plug with a copper wire brush or fit a new one.
- Assemble in reverse order.

### 9.6 Maintenance schedule

\Regular service period Perform at every indicated month or operating hour interval, whichever comes first.			Each use	First month or 20 Hrs.	Every 3 months or 50 Hrs.	Every 6 months or 100 Hrs.	Every year or 200 Hrs.
ITEM							
Engine oil	Check level		0				
	Change			0		0	
Air cleaner	Check		0				
	Clean				0 (1)		
Spark plug	Check-adjust					0	
	Re place						0
Spark arrester	Clean					0	
Valve clearance	Check-adjust						0 (2)
Combustion chamber	Clean		After every 300 hrs. (2)				
Fuel tank and filter	Clean					0 (2)	
Fuel tube	Check		Every 2 years (Replace			if necessary) (2)	
Remark: (1) Service more frequently when used in dusty areas. (2) These items should be serviced by your servicing dealer, Refer to the manual for service procedures. Failure to follow this maintenance schedule could result in non-warrantable failures.							

## 9.7 Storage

1. Empty the petrol tank using a petrol suction pump.

**Important:** Do not empty the petrol tank in enclosed areas, near fire or when smoking. Petrol fumes can cause explosions and fire.

2. Start the engine and run it until the tank and fuel line are completely empty and the engine stalls.

3. Let the generator cool down.

4. Remove the spark plug and pour approx. 20 ml of engine oil into the cylinder.

5. Pull the starter handle slowly several times to coat the internal parts.

6. Screw the spark plug back in.

7. Store the generator in a well-ventilated, safe place.

## 9.8 Transport

1. Wait until the generator has cooled down.

2. Always transport the generator in the upright position.

## 9.9 Ordering replacement parts:

Please quote the following data when ordering replacement parts:

- Type of generator.
- Article number of the generator.

## Disposal and recycling



The generator is supplied in packaging to prevent its being damaged in transit. This packaging is raw material and can therefore be reused or can be returned to the raw material system.

The generator and its accessories are made of various types of material, such as metal and plastic. Defective components must be disposed of as special waste. Ask your dealer or your local council.

## Original Declaration of Conformity

FNA S.p.A.  
Via Einaudi, 6  
10070 Robassomero (TO)  
Italy

hereby declares the following conformity under the EU Directive and standards for the following article  
**Inverter generator / SIG 2000-1**

<input checked="" type="checkbox"/>	2006/42/EC	<input checked="" type="checkbox"/>	R&TTED 1999/5/EC
<input checked="" type="checkbox"/>	2014/35/EU	<input type="checkbox"/>	2000/14/EC_2005/88/EC
<input checked="" type="checkbox"/>	(EU)2016/1628_2017/656/EU	<input checked="" type="checkbox"/>	63/54/EC
<input checked="" type="checkbox"/>	2014/30/EU	<input type="checkbox"/>	73/23/EWG
<input type="checkbox"/>	2002/63/EC	<input type="checkbox"/>	2011/65/EU_(EU)2015/8

### EN ISO 8528-13; EN 55012; EN 61000-6-1

The technical documentation is kept by our authorized representative:

Matrix GmbH Postauer Str. 26  
D-84109 Wörth/Isar Germany


The technical documentation is kept by our authorized representative:

FNA S.p.A. Via Einaudi, 6  
10070 Robassomero (TO)  
Italy Wörth/Isar, den 19.08.2019  
Art.-Nº: 004965  
Robassomero (TO), 19/05/2020  
Art.-Nº: 604.800.120



**Tino Switon**  
**Gaetano Amante**  
**(Consigliere delegato | Deputy director)**  
9912555/A

## Documents / Resources

	<p><a href="#">STANLEY SIG 2000-1 Inverter Generator</a> [pdf] Instruction Manual SIG 2000-1 Inverter Generator, SIG 2000-1, Inverter Generator, Generator</p>
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