



**GASOLINE GENERATOR**

**ORIGINAL INSTRUCTION MANUAL**

**MODEL: G800-B1**



**WARNING!** Please read all safety instructions and advises to lower the risk of injuries.

**BUILDER SAS**  
ZI – 32, rue Aristide Bergès, 31270 Cugnaux, France



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## **INTRODUCTION**

These are 2-stroke, single cylinder, air-cooled gasoline generator. It is a compact and portable power for recreation, emergency and home use, like light power, camping & travel power.

This operation manual tells you how to operate and service your new gasoline generator. Please read it before using the gasoline generator to insure proper handling and operation. Follow the instruction carefully to keep your gasoline generator in the best running condition which is helpful to prolong the using life of gasoline generator. If you have any question concerning this manual, or any suggestion, please contact our dealer or our corporation directly.

With the improvement of our products, the description of this manual may differ from your current products, so user should pay attention to it.

## 1. SAFETY INSTRUCTION



### **Warning:**

1. Attention! Exhaust gases are toxic. Do not operate the generator in a room without ventilation system!
2. Children should be protected by keeping them at a safe distance from the generator set!
3. Refilling of the generating sets are not allowed during the operation!
4. If the generator will be mounted in a closed room, relevant safety regulations against fire and explosion should be followed!
5. Do not connect to household circuit!
6. Do not use in wet condition!
7. Keep in flammable away!
8. When refuelling:
  - a) stop engine;
  - b) no smoking;
  - c) do not spill.

### **General security instructions**

- The operator must know the principles of functioning and the structure of the generator and the motor. He must know how to stop the motor in case of urgency and how to manipulate the controls.
- Never let children use this device.
- Never let people who do not know these instructions use this device. Local regulations may impose restrictions on the age of the user.
- Please do not use this device when people, especially children, or pets are nearby. Direct them away from the working area.

- The operator or the user are responsible for possible accidents or damage to other persons or to their property.
- Do not wear loose clothing or jewellery as this can get caught in the machinery as it runs.
- Use safety equipment. Wear protective gear such as an anti-dust mask, non-slip safety shoes, a helmet or hearing protection.
- Stay vigilant, watch what you are doing and show good sense when you use the generator. Do not use if you are tired or under the influence of drugs, alcohol or medicines.
- Install the generator in a place that is well ventilated and make sure that there is at least 1.5 metres between the generator and the walls of the building or other equipment. Do not place flammable liquids or gases near the generator.
- Do not run the generator in an enclosed or badly-ventilated space. The exhaust gas from the motor contains carbon monoxide which is toxic and may lead to a loss of consciousness or death.
- Run the generator in respect of the power indicated in the user's manual. Do not run the generator with an overload or at excessive speed.
- The silencer of the generator becomes extremely hot when the motor runs or even for a time after it has stopped. Do not touch it as it will burn you.
- Do not transport or move the generator until it has cooled down.

- Perform periodic maintenance and resolve problems that appear immediately. Do not run the generator before correcting any fault detected.
- The generator uses a system of air-cooling, and it is necessary to clean its components regularly, including the grilles, the cover of the fan and the fan itself so as to ensure cooling.
- Keep the fuel filter clean, and change the oil of the motor regularly.
- Periodically check the installation of the connections and the tightness of the fixations, re-tightening them if necessary.
- Clean the components of the air filter periodically, and replace the air filter when necessary.
- Remove any electrical equipment that is plugged in before starting or stopping the generator.
- Before transporting the generator, you must empty the fuel tank.
- Maintenance and repair of the generator must be carried out by a qualified technician from an authorised after-sales service centre.

Warning: when you start the generator with the cord, watch out for sudden changes in the rotation of the motor!!! Risk of wounding!!! Never cover the generator when it is running. The cut-out mounted on the generator has the aim of reducing the risk of electric shock. If it needs to be replaced with another cut-out, the latter must correspond to the technical specifications of the generator. Due to important mechanical constraints, it is necessary to use a flexible sheathed cable with a

strong rubber protective layer (conforming to IEC 245-4) or a similar cable. If using an electrical extension cable, the total length of the extension must not exceed 60m when the section of the wire is 1.5mm<sup>2</sup> and must not exceed 100m when the section of the wire is 2.5mm<sup>2</sup>.

### **Additional requirements for low-power generating sets for use by laymen**

- Protect children by keeping them at a safe distance from the generating set.
- Fuel is combustible and easily ignited. Do not refuel during operation. Do not refuel while smoking or near naked flames. Do not spill fuel.
- Some parts of the internal combustion engine are hot and may cause burns. Pay attention to the warnings on the generating set.
- Engine exhaust gases are toxic. Do not operate the generating set in unventilated rooms. When installed in ventilated rooms, additional requirements for fire and explosion protection shall be observed.
- Before use, the generating set and its electrical equipment (including lines and plug connections) should be checked to ensure that they are not defective.
- Protection against electrical shock depends on circuit breakers specially matched to the generating set. If the circuit breakers


require replacement, they should be replaced with a circuit breaker having identical ratings and performances characteristics.

- Due to high mechanical stresses, only tough rubber-sheathed flexible cable (in accordance with IEC 60245-4) or the equivalent should be used.
- The user shall conform to regulations of electrical safety applicable to the place where the generating sets are used.
- The user must respect the requirements and precautions in the case of resupply by generating sets of an installation, depending on existing protective measures in this installation and applicable regulations.
- Generating sets should only be loaded up to their rated power under the rated ambient conditions.
- Prior to commencing maintenance work it shall be ensured that untimely start-up is not possible.

### **Security measures when filling the fuel tank**

- The fuel is extremely flammable and poisonous.
- This generator only uses petrol (gasoline); any other kind of fuel will damage the motor.
- Do not overfill the tank with petrol to avoid spilling. If you notice a spill, it must be wiped up completely with a dry cloth before starting the motor.



- If you swallow fuel by mistake, if you inhale fuel vapours or if you get drops of fuel in your eyes, see a doctor immediately. If a certain quantity of fuel is spilt on your skin or clothing, wash or change your clothes.
- Always stop the motor of the generator when filling it with fuel.
- Never fill the fuel tank while smoking or near a naked flame.
- Make sure you don't spill fuel on the motor and the exhaust grille of the generator during filling with fuel.
- Keep the fuel in an appropriate recipient and sheltered from any sources of fire.
- Carry out filling in a safe place, and slowly open the fuel cap to release the pressure which has built up inside the tank. Wipe up any drops of petrol that have spilled before starting the motor.
- To prevent fire, move the generator at least 4 metres away from the area for filling with fuel.
- Make sure that the fuel cap is tightly closed before starting.
- Do not keep petrol in the tank for a long time.
-  While using or transporting the generator, make sure you keep the generator upright, otherwise the fuel may escape from the carburettor or the fuel tank.



### **Electrical safety**

Before each use ensure that the load to be connected does not exceed the power of the current produced by the generator.

**To avoid electric shock, you must follow the following instructions:**

- Do not touch the generator with wet hands.
- Do not run the generator under rain or snow.
- Do not run the generator near water.
- Connect the generator to earth. Use a sufficiently thick conductor for the earth wire.
- Do not operate the generator in parallel with another generator.
- If using electrical extensions, make sure that they are sufficiently thick to transport the current and that they are used correctly.



The connection of a generator used for auxiliary power to the electrical installation of a building must be performed by a qualified electrician, and in conformity to the provisions of the applicable laws and norms in the field of electricity. Incorrect connections will cause leakage of the current from the generator into the lines of the public electricity company. Such leakage could electrocute the workers of the public electricity company working on the network or other persons in contact with the line during a power cut. Also, when the public power supply is re-established, the generator can explode, catch fire or generate fires in the building's electrical installation.


















Before connecting electrical devices to the generator, make sure that their voltage specifications and frequency of functioning correspond to the technical characteristics of the generator. There may be damage if the device connected is not designed to function with a voltage tolerance of +/- 10% or a frequency tolerance of +/- 3 % compared with those of the generator.

### **Protection of the environment**

- You must periodically check the silencer (Before doing this, switch off the generator and let it cool completely). A damaged silencer increases noise.
- Do not throw motor oil into the drains but deposit it at a collection point set up for that purpose.
- The fuel for this machine is combustible and explosive. After stopping the machine, you must handle the remaining fuel correctly and meet local environmental requirements.
- To dispose of residual fluids, proceed as follows:
  - § Close the fuel tap
  - § Drain fuel from the fuel tank
  - § Empty carburettor fuel

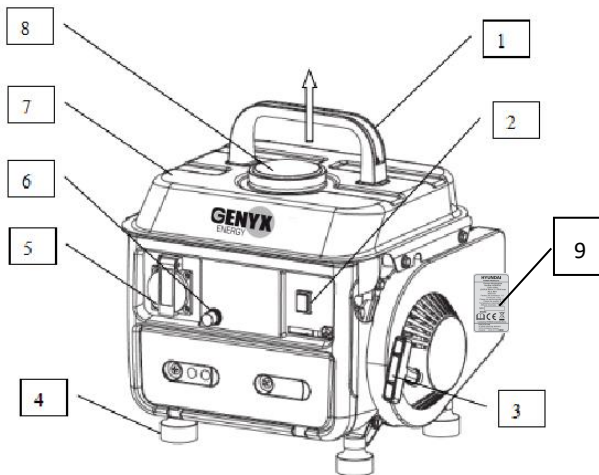
## 2. Symbol explanation

	Attention!
	Please read the manual carefully before using the unit!
	Conforms to relevant safety standards
	Do not dispose of old appliances with domestic rubbish .
	Guaranteed sound power level
	No naked flames
	Ground connection
	It is forbidden to run the generator in an enclosed room because exhaust emissions can lead humans or animals to coma to death.
	This symbol indicates the surface is very hot and not touching

	<p>Keep away from the machine</p>
	<p>Exhaust emissions are harmful to health of body</p>
	<p>No naked fire near the machine!</p>
	<p>Do not connect with the electricity system.</p>
	<p>Danger ! Electrical shock !</p>
	<p>No smoking when refueling</p>

### 3. COMPONENT IDENTIFICATION

Diagram for the position of the generator's centre of gravity, the position indicated by the arrow is adjusted to the lifting position.



**GENYX**  
ENERGY

Groupe électrogène  
Modèle: G800-B1  
230V~50Hz,  
(COP) 0.65kW, 0.70kW max  
AC: 2.83A  
3000/min  
Facteur de puissance: 1.0  
Poids net: 15kg  
Classe de performances: G1  
Classe de qualité: B  
Température maximale: 40°C  
Altitude maximale: 1000m

S/N:

**IP23M**

BUILDER SAS  
ZI, 32 RUE ARISTIDE BERGES  
31270 CUGNAUX, Toulouse  
FRANCE    MADE IN P.R.C: 07/2021

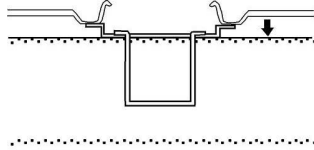
1	Handle	6	AC /DC protector
2	Engine On/off switch	7	Fuel tank
3	Recoil start	8	Fuel tank cap
4	Feet	9	Nameplate
5	AC Socket		

#### 4. PRE-OPERATION CHECK

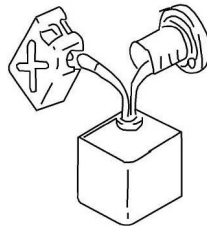
Fuel tank capacity : 3.5L

Use oil-mixed petrol

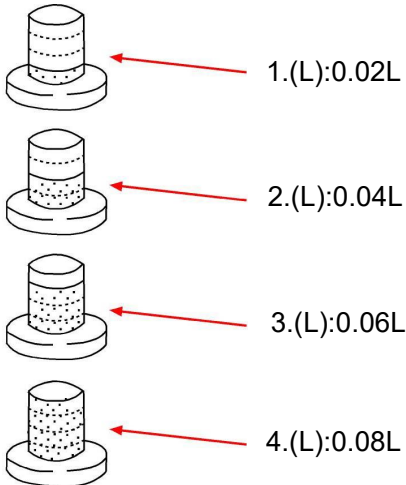
Do not make fuel reach the top of fuel filter.



How to make mixed petrol :  
Petrol and oil mixing Ratio: 50:1



Use fuel tank cap to measure as :



Shake fuel tank after fueling

## 5. STARTING THE ENGINE

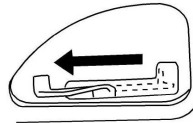
Before starting , DO NOT connect with any electric apparatus .



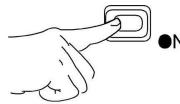
1. Turn fuel cock to “ON” position.



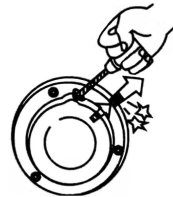
2. Turn choke lever to “CLOSE”.



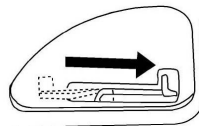
3. Turn engine switch to “ON”.



4. Pull slowly on recoil starter until engaged, then pull it briskly.

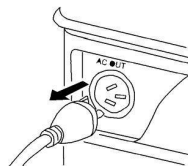


5. Turn choke lever to “OPEN”.



## 6. STOPPING THE ENGINE

Before stopping, turn off all electrical appliance.

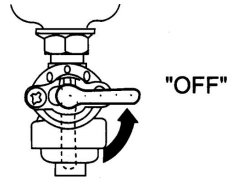




1. Turn engine switch to "STOP".

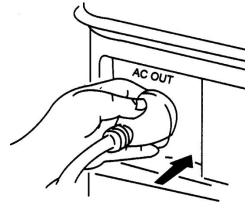


2. Turn fuel cock to "OFF" position.



## 7. CONNECTION

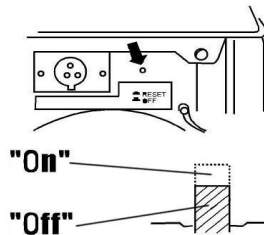
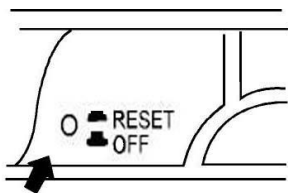
- 1) Wind lead 2 or 3 turns around the handle .
- 2) Start engine.
- 3) Plug into AC socket.



## 8. SAFETY DEVICES

Press to reset AC or DC protector.

Reduce load under the top limit of rated output .If AC or DC protector (if equipped ) turns off.

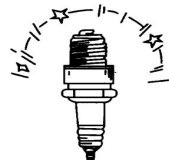
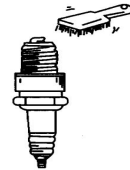
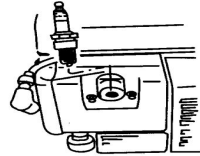


## 9. PERIODIC MAINTENANCE

ITEM	REMARKS	Every 50hrs Or Every month	Every 150hrs Or Every 3 months
Spark plug	Remove carbon, Adjust gap. Replace if necessary.	•	
Air filter	CLEAN. Replace if necessary		•
Fuel filter	CLEAN. Replace if necessary		•
Carbon Deposits	CLEAN. Replace the related part if necessary.		•

### ● SPARK PLUG

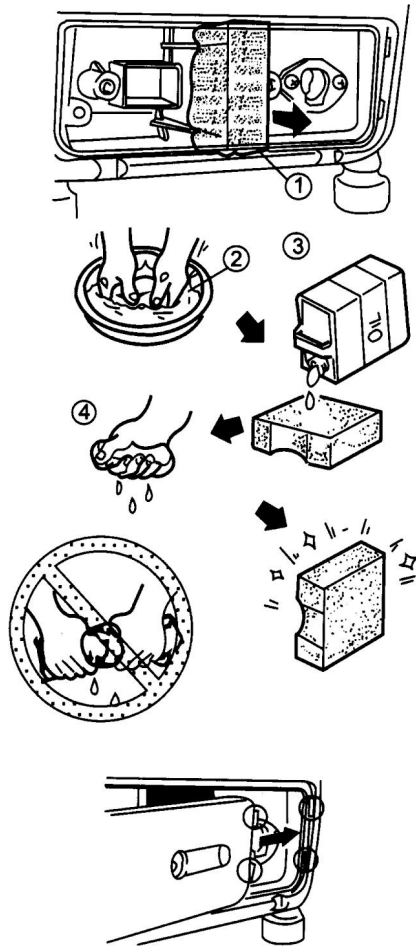
- 1) Remove Spark Plug
- 2) Remove carbon deposits
- 3) Check spark for discoloration  
Stankard Tan colour
- 4) Check spark piug gap0.7-0.8mm



● AIR FILTER

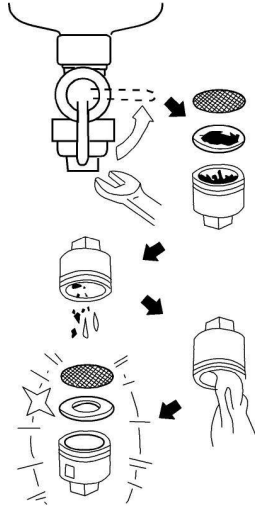
- 1) Air filter
- 2) Wash in solvent
- 3) Engine oil (SEA#20)
- 4) Squeeze out

Never run engine without the filter element.

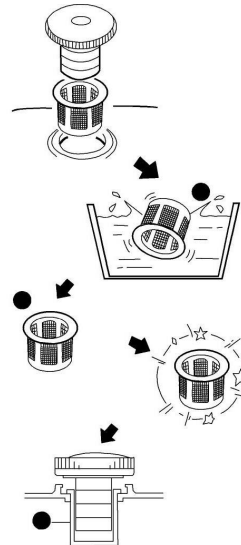


● FUEL FILTER




- 1) .Stop engine.
- 2) Turn fuel lever to “OFF”.
- 3) .Clean with solvent.



- 4).Clean in solvent.
- 5).Wipe off.
- 6).Insert.

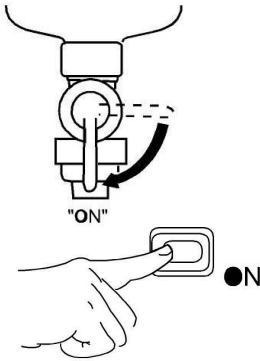


## 10. APPLICATLON RANGE

Appliance			Power factor	
AC		50Hz	~650W	1
		50Hz	~480W	0.7~0.8
		50Hz	~570W	0.7~0.95

## 11. TROUBLE SHOOTLNG

### ENGINE WON'T START

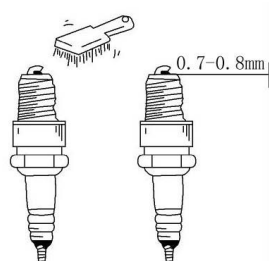


1. Check fuel (Fuel switch to "ON")
2. Engine witch to "ON"
3. Check spark plug

If engine still won't start, check the following:

1. Fuel cock clogging
2. Air filter clogging

Or consult with your dealer



## 12. SPECLCATLONS

Generator set	Model	G800-B1
	Dimension (L×W×H)(mm)	372x320x364
	Degree of protection	IP23M
	Net weight	15kg
	Sound power level	L <sub>WA</sub> =86.78dB(A), K=3dB(A)
	sound pressure level	L <sub>pA</sub> =66.78dB(A)
	Guaranteed sound power level	92dB(A)
Generator	Model	CS0.65 / AS0.65-1
	Type	Brushless
	AC Output	(COP) 0.65kW, 0.70kW max
	Rated AC Voltage	230V~
	AC frequency	50Hz
	AC current	2.83A
Engine	Model	1E45
	Maximum speed	3000/min
	Power(kW)	2.5
	Type	Single Cylinder Air-cooled 2 Stroke Gasoline Engine
	Displacement (CM <sup>3</sup> )	63.6
	Ignition Mode	TCI
	Starting Mode	Recoil starter
	Mixed Fuel	2-Stroke Engine Oil Pre-mixed with Fuel 50:1
	Fuel Tank Capacity(L)	3.5 L
Cooling fan	Drive type	Crankshaft
	Maximum speed (rpm)	3000

### 13. DECLARATION OF CONFORMITY

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Declaration of conformity  
BUILDER SAS  
ZI, 32 RUE ARISTIDE BERGES – 312070 CUGNAUX – FRANCE

Declare that this machine:  
Low power generating set  
Model: G800-B1

Serial number: **20210765154-20210765887**

Is in conformity with the directive « machine » 2006/42/CE and to regulations transposing it

Also in conformity with the following directives:

Directive EMC 2014/30/EU

Directive RoHS (EU)2015/863 amending 2011/65/EU

Emission directive (EU) 2016/1628

Directive 2000/14/CE Annex VI, 2005/88/EC

Guarantee sound power level 92 dB(A)

Société Nationale de Certification et d'Homologation  
No. 0499

Also in conformity with the following standards:

EN ISO 8528-13: 2016

EN 55012: 2007/A1: 2009

EN 61000-6-1: 2007

EN50581: 2012

Cugnaux, 03/06/2021

A handwritten signature in black ink, appearing to read "Philippe MARIE".

Philippe MARIE / PDG

Responsible of technical file: M. Michel Krebs

# 14. WARRANTY



## WARRANTY

The manufacturer guarantees the product against defects in material and workmanship for a period of 2 years from the date of the original purchase. The warranty only applies if the product is for household use. The warranty does not cover breakdowns due to normal wear and tear.

The manufacturer agrees to replace parts identified as defective by the designated distributor. The manufacturer does not accept responsibility for the replacement of the machine, in whole or in part, and/or ensuing damage.

### The warranty does not cover breakdowns due to:

- insufficient maintenance.
- abnormal assembly, adjustment or operations of the product.
- parts subject to normal wear and tear.

### The warranty does not extend to:

- shipping and packaging costs.
- using the tool for a purpose other than that for which it was designed.
- the use and maintenance of the machine done in a manner not described in the user manual.

Due to our policy of continuous product improvement, we reserve the right to alter or change specifications without notice. Consequently, the product may be different from the information contained therein, but a modification will be undertaken without notice if it is recognized as an improvement of the preceding characteristic.

### READ THE MANUAL CAREFULLY BEFORE USING THE MACHINE.

When ordering spare parts, please indicate the part number or code, you can find this in the spare parts list in this manual. Keep the purchase receipt; without it, the warranty is invalid. To help you with your product, we invite you to contact us by phone or via our website:

- **+33 (0)9.70.75.30.30**
- **<https://services.swap-europe.com/contact>**

You must create a "ticket" via the web platform.

- Register or create your account.
- Indicate the reference of the tool.
- Choose the subject of your request.
- Describe your problem.
- Attach these files: invoice or sales receipt, photo of the identification plate (serial number), photo of the part you need (for example: pins on the transformer plug which are broken).





# 15. PRODUCT FAILURE

## WHAT TO DO IF MY MACHINE BREAKS DOWN?

### If you bought your product in a store:

- a) Empty the fuel tank if your product has one.
- b) Make sure that your machine is complete with all accessories supplied, and clean! If this is not the case, the repairer will refuse the machine.

Go to the store with the complete machine and with the receipt or invoice.

### If you bought your product on a website:

- a) Empty the fuel tank.
- b) Make sure that your machine is complete with all accessories supplied, and clean! If this is not the case, the repairer will refuse the machine.
- c) Create a SWAP-Europe service ticket on the site: <https://services.swap-europe.com> When making the request on SWAP-Europe, you must attach the invoice and the photo of the nameplate (serial number).
- d) Contact the repair station to make sure it is available before dropping off the machine.

Go to the repair station with the complete machine packed, accompanied by the purchase invoice and the station support sheet downloadable after the service request is completed on the SWAP-Europe site

For machines with engine failure from manufacturers BRIGGS & STRATTON, HONDA and RATO, please refer to the following instructions.

Repairs will be done by approved engine manufacturers of these manufacturers, see their site:

- <http://www.briggsandstratton.com/eu/fr>
- <http://www.honda-engines-eu.com/fr/service-network-page;jsessionid=5EE8456CF39CD572AA2AEEDFD290CDAE>
- <https://www.rato-europe.com/it/service-network>

**Please keep your original packaging to allow for after-sales service returns or pack your machine with a similar cardboard box of the same dimensions.**

**For any question concerning our after-sales service you can make a request on our website <https://services.swap-europe.com>**

**Our hotline remains available at +33 (9) 70 75 30 30.**



# 16. WARRANTY EXCLUSIONS

## THE WARRANTY DOES NOT COVER:

- Start-up and setting up of the product.
- Damage resulting from normal wear and tear of the product.
- Damage resulting from improper use of the product.
- Damage resulting from assembly or start-up not in accordance with the user manual.
- Breakdowns related to carburetion beyond 90 days and fouling of carburetors.
- Periodic and standard maintenance events.
- Actions of modification and dismantling that directly void the warranty.
- Products whose original authentication marking (brand, serial number) has been degraded, altered or withdrawn.
- Replacement of consumables.
- The use of non-original parts.
- Breakage of parts following impacts or projections.
- Accessories breakdowns.
- Defects and their consequences linked to any external cause.
- Loss of components and loss due to insufficient screwing.
- Cutting components and any damage related to the loosening of parts.
- Overload or overheating.
- Poor power supply quality: faulty voltage, voltage error, etc.
- Damages resulting from the deprivation of enjoyment of the product during the time necessary for repairs and more generally the costs related to the immobilization of the product.
- The costs of a second opinion established by a third party following an estimate by a SWAP-Europe repair station
- The use of a product which would show a defect or a breakage which was not the subject of an immediate report and/or repair with the services of SWAP-Europe.
- Deterioration linked to transport and storage\*.
- Launchers beyond 90 days.
- Oil, petrol, grease.
- Damages related to the use of non-compliant fuels or lubricants.

\* In accordance with transport legislation, damage related to transport must be declared to carriers within 48 hours maximum after observation by registered letter with acknowledgement of receipt.

This document is a supplement to your notice, a non-exhaustive list.

**Attention:** all orders must be checked in the presence of the delivery person. In case of refusal by the delivery person, it you must simply refuse the delivery and notify your refusal.

**Reminder:** the reserves do not exclude the notification by registered letter with acknowledgement within 72 hours.

### Information:

Thermal devices must be wintered each season (service available on the SWAP-Europe site). Batteries must be charged before being stored.