

INSTRUCTION MANUAL

CE

Please, read this manual before using !

Réf. 1945290

MANUFACTURER: SOTRAC ASIA LTD

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GENERAL DESCRIPTION

This Rechargeable Grease Gun is a fully automated, battery powered grease gun developed for manual lubrication of grease points. It includes a built-in relief valve to expel excessive pressure in the case of blocked bearing, fitting or lubrication line. The overflow grease will back flow to the grease cartridge automatically. The grease gun is driven by a small, low voltage electric motor connected to a three-stage planetary gear reducer. The rotary motion of the motor is converted into a reciprocating motion of the plunger through an eccentric and yoke mechanism. This Rechargeable Grease Gun is a positive displacement single acting pump.

SPÉCIFICATIONS

Maximum Pressure	10 000 PSI
Grease Reservoir Capacity	412 g / 14,5 oz
Operating Temp Range	-18 à +50°C
Operating Current	4A
Grease Output (per/min)	130 g / 4,6 oz
Weight	3,60 kg / 7,9 lb.
Battery Charge Time	1 à 2 heures
Battery Charge Output	9,6 – 24 V DC
Batter Charge Input	24 V
Outlet Hose Length	26" / 660 mm

PROPER USE

This Rechargeable Grease Gun is exclusively designed to pump and dispense lubricant. The maximum specification ratings should NOT BE EXCEEDED. Any other use not in accordance with these instructions will result in loss of claim for warranty liability.

SAFETY

Carefully read these operating instructions thoroughly before unpacking and operating this Rechargeable Grease Gun

WORK AREA SAFETY GUIDE

- Keep work area clean, free of clutter and well lit. Cluttered and dark work areas can cause accidents.
- Do not use your tool where there is a risk of causing a fire or an explosion; e.g. 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, so visitors should remain at a safe distance from the work area.
- Be aware of all power lines, electrical circuits, water pipes, and other mechanical hazards in your work area, particularly those, hazards below the work surface hidden from the operator's view. These may be unintentionally contacted and can cause bodily injury or property damage.
- Be aware of your surroundings. Using power tools in confined work areas may put you dangerously close to cutting tools and rotating parts.
- Do not operate power tools in the presence of flammable liquids, gases, or dust. The Rechargeable Grease Gun can create sparks which may ignite dust or fumes. Keep bystanders, children and visitors away during operation. Distractions can cause you to make mistakes.

CHARGER AND BATTERY

A battery operated Rechargeable Grease Gun with a separate battery pack must be charged only with the specific battery charger. A charger that may be suitable for one type of battery may create a risk of fire when used with another battery. Use this battery operated tool only with the specifically designed battery pack. Use of any other batteries may create risk of fire. Batteries are shipped in an uncharged state. To get the most out of your Li-Ion battery, take the following steps:

- Before using a battery charger, read all the instructions and cautionary markings on the battery pack, battery charger, battery and Rechargeable Grease Gun.
- Do not expose charger to rain, snow or frost.
- Do not pull or otherwise abuse the cord. Never pull charger by the cord when disconnecting.
Have damaged or worn power cord replaced immediately.
- Do not attempt to repair the power cord.
Make sure the cord is located so that it will not be stepped on, tripped over, or otherwise subjected to damage or stress.
- Do not use an extension cord unless absolutely necessary. Use of improper extension cord could result in a risk of fire or electric shock. If an extension cord must be used, make sure that the extension cord is properly wired and in good electrical condition.

CHARGER AND BATTERY CONT...

- Do not operate the charger if it has received a sharp blow, been dropped, or otherwise damaged in any way. Take it to a qualified serviceman for repair.
- Do not disassemble the charger or the battery pack. Take it to a qualified serviceman when service or repair is required. Incorrect reassembly may result in risk of electrical shock or fire.
- Unplug charger from outlet before attempting any maintenance or cleaning to reduce risk of electrical shock.
- Charge the battery pack in a well ventilated place. Do not cover the charger and battery while charging.
- Do not store the charger or battery packs in locations where the temperature may reach or exceed 50°C (122°F). This can lead to deterioration of the batteries. Do not charge the battery pack when temperature is below 0°C (32°F) or above 40°C (104°F). This is very important for proper operation.
- Do not incinerate battery pack as it can explode in a fire.
- Do not charge battery in damp or wet locations.
- Do not short across the terminals of the battery pack.
- Extremely high temperatures could cause personal injury or fire.
- Dispose of depleted batteries properly.

PERSONAL SAFETY

- Stay alert, watch what you are doing, and use common sense when operating a power tool. Do not use a power tool when tired or under the influence of drugs, alcohol, or medication. A moment of inattention while operating power tools may result in serious injury.
- Dress appropriately. Do not wear loose clothing, dangling objects, or jewelry. Keep your hair, clothing, and gloves away from moving parts. Loose clothes, jewelry, long hair can be caught in moving parts. Air vents often cover moving parts and should be avoided.
- Proper safety apparel and equipment. Use safety goggles or safety glasses with side shields that comply with current national standards. Use a face shield when necessary. Use a dust mask in dusty work conditions. This applies to all persons in the work area. Also use non-slip safety shoes, a hardhat, gloves, a dust collection system, and hearing protection when necessary.
- Avoid accidental starting. Do not carry the power tool with your finger on the switch. Ensure the switch is in the off position before plugging tool into power outlet. In the event of a power failure, while using a tool, turn the switch to off to prevent a surprise start when power is restored.
- Do not overreach. Keep proper footing and balance at all times.

- Remove adjusting keys or wrenches before connecting to the power supply or turning on the tool. A wrench or key that is left attached to a rotating part of the tool may result in serious injury.
- Always wear eye protection. The rechargeable grease gun can generate high pressure. Grease injection injuries can be very serious.
- Avoid accidental starting. Be sure the switch is not depressed when inserting battery pack.
- Check the hose for kinks before operating.

TOOL USE & CARE

- Do not force the tool. Tools do a better and safer job when used in the manner of which they were designed. Plan your work, and use the correct tool for the job.
- Never use a tool with a malfunctioning switch. Any power tool that cannot be controlled with the switch is dangerous and must be repaired by an authorized service provider before using.
- Disconnect battery from the tool and place the switch in the locked or off position before servicing, adjusting, installing accessories or attachments, or storing.
- Such preventative safety measures reduce the risk of the power tool starting by accident.
- Secure work with clamps or a vise when practical. This safety precaution allows for proper tool operation.
- Store idle tools. When tool are not in use, store them in a dry, secure place out of the reach of children. Inspect tools for good working condition prior to storage and before re-use.
- Use only accessories that are recommended for use with the rechargeable grease gun. Accessories that may be suitable for one tool may create a risk of injury when used on another tool.
- This tool is a fully rated portable power lubrication product. Only compatible accessories should be used.
- Keep guards in place and in working order.
- Never leave the tool running unattended.
- Release the trigger if the grease gun is stalled. Hold down the trigger could damage the motor or cause a fire.
- When battery pack is not in use, keep it away from other metal objects like: paper, clips, coins, keys, nails, screws or other small metal objects that can make a connection from one terminal to another. Shorting battery terminals together may cause sparks, burns, or a fire.

CHARGING BATTERY



NOTE : Battery temperature will increase during and shortly after use. Batteries may not accept a full charge if they are charged immediately after use. Allow the battery pack to cool to room temperature before charging for best results.

NOTE : Vent slots in top and bottom of charger must not be obstructed. Do not charge battery when temperature is below 0°C or above 50°C.

NOTE : As the battery pack approaches the discharged state, you will notice a sharp drop in tool performance. When the tool is unable to perform the task at hand, it is time to recharge the battery pack. Recharging the battery pack before this condition is reached will reduce the total work life of the pack. Discharging the pack beyond this point can damage the pack.

NORMAL CHARGING

Make sure the power circuit voltage is the same as that shown on the charger specification plate, then connect to the power source.

REMOVING THE BATTERY PACK

Press the two battery release buttons (one button on each side of the battery pack) and pull the battery pack from the grease gun.

INSTALLING THE BATTERY PACK

Align battery pack with opening in handle, and push the battery pack into handle until it locks into place.



REMOVING EMPTY 14.5OZ GREASE CARTRIDGE

- 1) Pull back on the follower handle until follower rod is fully extended and latched onto the locking lever
- 2) Unscrew the grease tube assembly from the rechargeable grease gun.
- 3) Press the locking lever and carefully release the follower handle to eject the empty cartridge from the container tube.

INSTALLING 14.5OZ GREASE CARTRIDGE

- 1) Pull back on the follower handle until the follower rod is fully extended and latched onto the locking lever.
- 2) Remove the plastic cap from the grease cartridge and insert cartridge into the container tube.
- 3) Remove the pull tab from the grease cartridge and screw grease tube assembly into pump assembly.
- 4) Press the locking lever to release the follower rod. Purge air from pump. SEE AIR PURGING instructions.

 When grease tube assembly (9) remove from the gun. Do not leave it near heat source or under sun light. It may damage the rubber plunger and cause difficulty on loading grease cartridge.

 If the rubber plunger is dry due to leave unused, please use oil or grease to lubricate before use.

HOW TO READ THE BATTERY CAPACITY DISPLAY

The LCD display shows the battery capacity whenever the button is pressed. It has 5 segments, each one representing 20% of the full capacity, i.e. three segments lit in the LCD display indicates the battery is at 60% of its charge (See Figure 1).



Figure 1
BATTERY CAPACITY DISPLAY

HOW TO USE THE SELF-LOCKING TRIGGER

There is a chance of getting the trigger pressed by children or something else when the grease gun is being transported or just not being used.

The grease gun could then be accidentally activated, spilling grease all over.

To avoid this, turn the button position from 'Unlock' to 'Lock' (See Figure 2).

NOTE Do not forcefully press the trigger when the button is in the 'Lock' position, this could destroy the self-locking device.

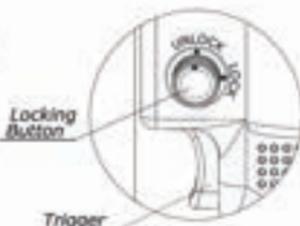


Figure 2
SELF-LOCKING TRIGGER

THE FUNCTION OF MULTI-FUNCTION VALVE

There exists high pressure in the flexible hose when the customer is dispensing grease. The flexible hose will be resistant when the grease gun stops working. The coupler is difficult to be pulled out from the grease nipple. The multi-function valve is designed to solve this problem. It includes three functions: Release pressure, release grease, and venting. When you open the multi-function valve after work, the grease of the flexible hose will back flow to the grease cartridge automatically. The pressure inside the flexible hose will be released immediately. Thus the coupler is so easy to be pulled out from the greaser nipple. The grease gun can't work when there are some air pockets near the plunger, the air pockets and some grease will be discharged after opening the multi-function valve, thus the grease gun will be recovered to normal function.

THE FUNCTION OF THE BUILT-IN RELIEF VALVE

When the pressure is higher than the set value, the built-in relief valve will be opened automatically, the overflow grease will back flow to the grease cartridge. This not only protects the safety of the user, but also prevents the machine or environment from being polluted.

THE FUNCTION OF BUILT-IN DOUBLE THREAD

The grease gun is designed with one inch thread inside the grease gun, therefore it can be suitable for the lube shuttle grease cartridge. At the same time the design allows for the use of 14.5oz grease cartridges as well.

WARNING The built-in relief valve is settled & fixed at factory, please do not attempt to adjust yourself.

HOW TO FILL THE GUN FROM A BULK CONTAINER

- 1) Remove pump assembly from grease tube assembly.
- 2) Pack lubricant into cavity of the pump assembly.
- 3) Insert the open end of the grease tube assembly into lubricant. Slowly pull the follower handle back while pushing the grease tube assembly deeper into the lubricant to prevent air pockets from being pulled into the grease tube assembly.
- 4) When the follower rod is fully extended, it will latch onto the locking lever.
- 5) Loosely assemble the pump assembly to the grease tube assembly. Press the locking lever while pushing the follower rod into the grease tube assembly. Only unscrew the grease tube assembly from the pump assembly until lubricant oozes from the interface. Tighten grease tube assembly into the pump assembly.



Figure 4

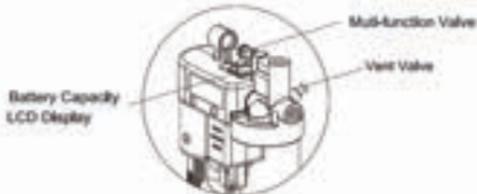


Figure 5

HOW TO FILL THE WITH A FILLER PUMP

- 1) Insert the gun filler nipple into the filler pump socket. Operate the filler pump to fill the container. Stop the filler pump when the follower rod extends to approximately 8 inches (20 cm).
- 2) Push the follower rod into the grease tube assembly by pressing the locking lever.

HOW TO EXPEL AIR POCKETS

- 1) Withdraw the follower rod from the grease tube assembly cap and engage it with the follower by rotating the follower handle. Exert force on the follower handle while holding down the vent valve.
- 2) Pull the trigger in short bursts to operate gun until trapped air is expelled. Disengage the follower rod from the follower by rotating the follower handle. Push the follower rod into the grease tube assembly.
- 3) If step 2 fails, you can adjust the screw inside the multi-function valve, then both grease and air will be expelled.

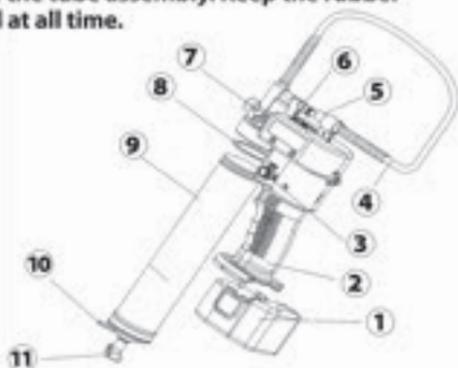
ASSEMBLY AND MAINTENANCE NOTES (see figures 5 and 6)

⚠ WARNING : Make sure the tool is disconnected from its power source before attempting any maintenance, cleaning, or inspection.

- 1) We recommend the user to examine the general condition of any tool before use.
- 2) Keep your tools in good shape by conscientious repair and maintenance with a licensed electrician or mechanic.
- 3) If any unusual vibrations or noise occurs, turn the tool off immediately and have the gun inspected before further use.
- 4) Only use soap and a damp cloth to clean your tools. Many household cleaners are harmful to plastics and other insulation. Never let liquid get inside a tool.
- 5) It is normal for Li-Ion batteries to gradually lose their power retention capacity over hundreds of charge cycles. When this happens, replacement of the battery pack will be required.
- 6) Motor polarity is important, the positive (red wire) must be connected to the positive terminal on the motor, which is identified with the small plastic dot next to it.

Do not use any alkaline base cleaning liquid or powder such as soap to clean the rubber seal cup inside the tube assembly. Keep the rubber seal cup cover with grease or oil at all time.

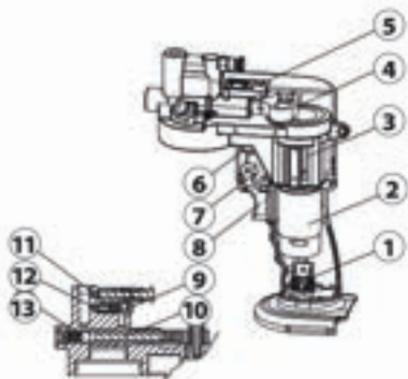
- 1-Battery
- 2-Handle Assembly
- 3-Self-locking trigger
- 4-Flexible hose
- 5-Coupler
- 6- Build-in relief valve
- 7- Vent valve
- 8- Packing
- 9- Grease tube assembly
- 10-Locking lever
- 11- Follower handle



ACCESSORIES

- | | |
|-----------------------------------|------------------------------------|
| 1 - Battery 24 V - 1945291 | 9 - Grease tube assembly - 1945294 |
| 4 - Flexible hose 300mm - 1945292 | Battery charger - 1945295 |
| 5 - Coupler - 1945293 | Holding strap - 1945296 |

- 1-Interference Blanker
- 2-Motor kit
- 3-Gear assembly kit
- 4-Yoke Block
- 5-Battery Capacity Display
- 6-Circuit breaker
- 7- Jiggle switch
- 8- Button
- 9-Build-in relief valve
- 10-Plunger
- 11-13-Check valve kit



GUIDE DE DÉPANNAGE

Etat	Cause possible	Mesure corrective
Motor fails to run	<ul style="list-style-type: none"> - Battery needs recharging - Faulty wiring to motor 	<ul style="list-style-type: none"> - Recharge battery - Remove battery, disassemble handle and check wiring for loose connections.
Pressure relief valve opens to discharge grease.	<ul style="list-style-type: none"> - Blocked line - Blocked bearing - Blocked grease fitting 	<ul style="list-style-type: none"> - Check lines, brazing and grease fitting to remove or clean obstructions.
Grease gun fails to dispense grease	<ul style="list-style-type: none"> - Grease tube assembly is out of grease - Loss of prime - Ball check (Item #13) is not functioning (see fig 7) 	<ul style="list-style-type: none"> - Check that the container has grease. - Repeat priming operation. - Reove item #13, clean and inspect ball seat area
Grease gun continues to lose prime	<ul style="list-style-type: none"> - Air may be trapped in several locations in container after bulk filing. - Follower may be binging in grease tube assembly 	<ul style="list-style-type: none"> - Empty grease tube assembly, refill and repeat priming operation. - Replace container (item #9) (See figure 6)
Battery fails to take a charge	<ul style="list-style-type: none"> - Charger may not have power - Battery may be bad 	<ul style="list-style-type: none"> - Check that the AC outlet or the 12V/24V DC car socket has power - Replace battery



SARL DIGUP

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DECLARATION « CE » DE CONFORMITE

Nous soussignons, SARL DIGUP, déclarons que les équipements désignés ci-après :

- LG2400 (1945290 POMPE A GRAISSE 24V 2.0AH TECH-EE-POWER

Sont conformes aux normes harmonisées :

- EN 55014-1 :2006+A2 :2011
- EN 55014-2 :2015
- EN 61000-3-2 :2014
- EN 61000-3-3 :2013

Le numéro du rapport du test est le suivant :

- CTL1609225201-EC en date du 29/09/2016

Nom et Fonction du signataire :

Fait à Saint Sylvain d'Anjou (49)

Le 18/04/2020

Arnaud AMELINE

Gérant.

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