



OWNER'S TECHNICAL MANUAL

630A

20V Lithium-ion Cordless Grease Gun 450g

October 2021



*For further information relating to warranty inclusions and exclusions please contact your local Alemlube branch.

USAGE

This battery operated grease gun is intended exclusively for pumping grease (NLGI 1 / NLGI 2) for general lubrication applications. Do not exceed the operating ranges of the technical specifications.

NSW/ACT

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QLD/PNG

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GENERAL SAFETY WARNINGS



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

WORK AREA SAFETY

1. Keep work area clean and well lit. Cluttered or dark areas may cause accidents.
2. 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.
3. Keep children & bystanders away while operating a power tool. Distractions can cause you to lose control of the power tool.

ELECTRICAL SAFETY

1. Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, stoves and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
2. Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
3. If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply. Use of an RCD reduces the risk of electric shock.

PERSONAL SAFETY

1. Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating the power tool may result in serious personal injury.
2. Use personal protective equipment. Always wear eye protection. Protective equipment such as a dust mask, safety gloves, non-skid safety shoes, hard helmet or hearing protection used for appropriate conditions will reduce personal injuries.
3. Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool. Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.
4. Avoid forced postures. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
5. Wear suitable work clothing. Do not wear loose clothing or jewellery. Keep your hair and clothing away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.
6. Do not let confidence gained from frequent use of tools allow you to ignore tool safety principles. A careless action can cause severe injury within a fraction of a second.

POWER TOOL USE AND CARE

1. Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.
2. Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
3. Remove the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool.
4. Store 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. Power tools are dangerous in the hands of untrained users.
5. Maintain power tools and accessories in good working conditions. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
6. Use the power tool and accessories in accordance with these instructions, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from those intended could result in a hazardous situation.
7. Keep handles and grasping surfaces dry, clean and free from oil and grease. Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.

BATTERY USE AND CARE

1. Recharge only with the charger provided by the manufacturer. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
2. Use power tools only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.
3. Rarely, under abusive conditions, liquid may spill from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid spilled from the battery may cause irritation or burns.

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SERVICE

1. Have your power tool serviced by a qualified technical service using only identical replacement parts. This will ensure that the safety of the power tool is maintained.
2. Never service damaged battery packs. Service of battery packs should only be performed by the manufacturer or authorized service providers.

ADDITIONAL SAFETY WARNINGS

1. Portable grease power tools can generate pressures up to 10,000psi/700bar limited to 7,250psi/500bar with operator safety front of mind. During the operation always use gloves and eye protection. Keep your hands away from the grease nipple.
2. Some components of the tool or the hose may break due to high pressure and may cause a risk of serious injury. Before use, always inspect the tool and the flexible hose to identify possible damage or wear. Never use the tool if any of its parts is damaged or worn.
3. High pressure can cause damage to the hose or nozzle grease supply. Use only appropriate grease hoses for use with this tool and follow its instructions for use and safety warnings.
4. The vibration emission value during actual use of the power tool can differ from the declared value depending on the ways in which the tool is used. Factor that can affect this value are: how the tool is used, the tool being in good condition and well maintained, use of the correct accessories in good condition, tightness of the grip on the handles, the tool being used as intended by its design and these instructions, and if any anti vibration accessories are used.
5. This tool may cause hand-arm vibration syndrome if its use is not adequately managed. To be accurate, an estimation of exposure level in the actual conditions of use should also take account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle but not actually doing the job.

SAFETY INSTRUCTIONS FOR BATTERIES & CHARGER

1. Suitable for general split battery pack.
2. Do not charge or use batteries in explosive atmospheres, such as presence of flammable liquids, gases or powders. Inserting or removing the battery unit from the charger may cause gases or dust ignite.
3. Use only the charger supplied with the tool. This charger has been specially designed for Lithium-Ion batteries only.
4. Do not charge a damaged battery, replace it immediately.
5. Do not store batteries in places where the temperature can exceed 40°C.
6. Charge the battery only at room temperature between 10°C and 40°C (50°F and 104°F).
7. Do not charge batteries in wet or damp environments.
8. Perform selective collection when disposing of battery packs. This product should not be disposed with other household waste.
9. Do not expose a battery or a battery-powered tool to fire or excessive temperature. Exposure to fire or temperatures above 130°C (265°F) may cause an explosion.
10. Do not use the provided batteries with other tools.
11. The battery charger is intended for indoor use only.
12. Use the provided charger to charge only the batteries supplied.
13. Do not expose the charger to rain, snow or ice.
14. Do not abuse the power cable of the battery charger. Keep cable away from heat, oil, sharp edges or moving parts. The cables damaged or tangled increase the risk of electric shock.
15. The charger plug must match the socket power. Never modify the plug in any way. Plugs not modified and matching sockets will reduce the risk of electric shock.
16. Do not use the charger if the cable or plug is damaged. Never try to repair the cable or plug.
17. Never try to disassemble the battery charger.
18. Do not cover the charger or battery while charging.
19. Do not use the charger with other batteries.
20. When battery pack is not in use, keep it away from other metal objects such as paper clips, coins, keys, nails, screws or other small metal objects that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire.

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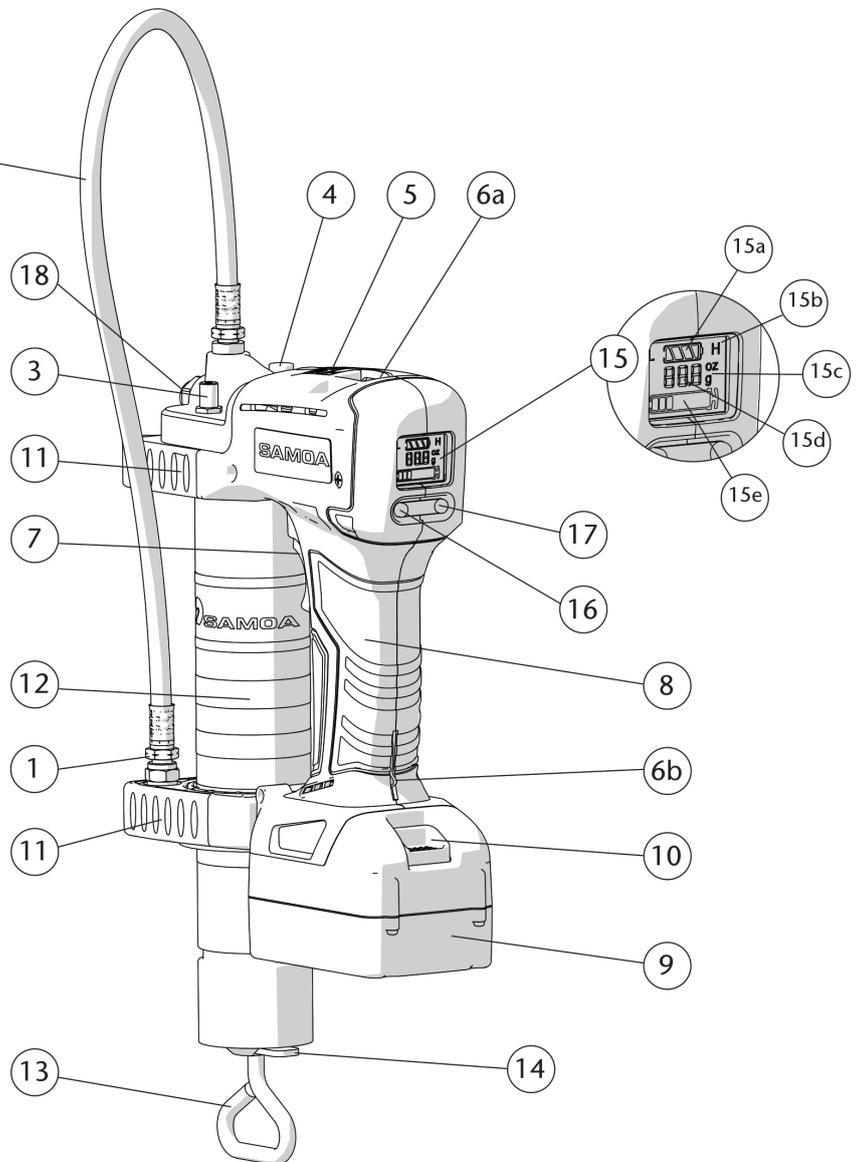
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OVERALL DESCRIPTION

No.	Description	
1	Grease Coupler	
2	Flexible Hose	
3	Filling Valve	
4	Bleeder	
5	LED Light	
6a	Top Shoulder Strap Attachment	
6b	Bottom Shoulder Strap Attachment	
7	Trigger Switch	
8	Handle	
9	Battery	
10	Battery Release Button	
11	Rubber Supports	
12	Grease Tube	
13	Pulling Rod	
14	Rod Lock Tab	
15	15a	Battery Charge Level
	15b	Mode of Operation
	15c	Units (g, oz)
	15d	Grease Meter
	15e	Grease Level Gauge
16	Unit Change Button (A)	
17	Meter Reset Button (B)	
18	Safety Valve	



BATTERY CHARGING & INSTALLATION

The battery is supplied partially charged. Before using the tool for the first time, the battery should be fully charged in the charger. Interruption of the charging process does not affect the battery.

DISASSEMBLING THE BATTERY

To remove the battery (9), press the release button (10) and pull back the power tool's battery. Do not proceed too abruptly.



CHARGING PROCESS

Make sure that the supply voltage is within the range specified on the charger.

1. Plug charger into the socket.
2. Insert the battery into the charger. The indicator light on the charger will change showing the status of the charging process.

— Battery is charging (red light)

— Charging completed (green light)

..... Red light flashing: battery damaged, stop charging and replace battery

3. Disconnect charger from power source and remove the battery from the charger after charging is complete.



WARNING: Charge the battery in a clean and dry place with temperatures between 10°C and 40°C.

The temperature of the battery and charger may increase slightly during the charging process.

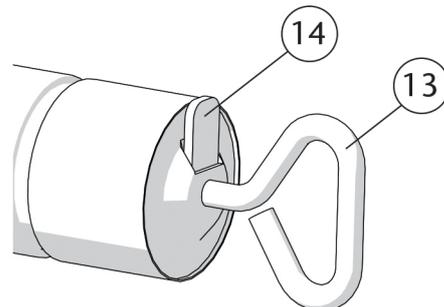
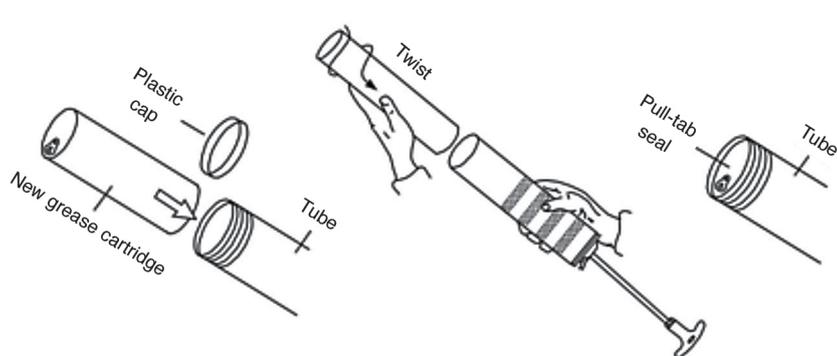
The battery may not be fully charged if it is charged immediately after being used for a long period.

Allow the battery to cool to room temperature before recharging.

GREASE FILLING

INSTALLATION OF A GREASE CARTRIDGE

1. Pull the pulling rod (13) out until it is fully extended and lock the rod with the tab (14).
2. Unscrew the grease tube (12) from the gun body.
3. Remove the plastic cap from the grease cartridge and insert it into the tube (12) with the open end first. Then remove the seal from the other end of the grease cartridge.
4. Screw the grease tube back into the gun and tighten it securely.
5. Unlock the rod (13) from the grease tube and insert it into the tube.
6. Purge any air the gun may contain. See the section "Grease gun priming".
7. Set the meter on the display to zero.



GREASE FILLING FROM A BULK CONTAINER

SUCTION FILLING

1. Unscrew the grease tube from the gun.
2. Insert the open end of the tube under the grease surface.
3. Slowly pull the pulling rod back while pressing the tube into the grease surface of the container to prevent air from entering the tube.
4. When you have fully filled the tube and the rod is fully extended, lock the rod with the locking tab. The tube supplied may vary depending on the model of gun. If the tube does not have a locking tab then extend the rod until a groove is visible and move the rod sideways to lock it.
5. Screw the tube into the grease gun and tighten it firmly.
6. Release the rod and insert it into the grease tube.
7. Slightly unscrew the gun tube until some grease comes out of the end of the tube to eliminate possible air pockets. Tighten the tube immediately.
8. Use the bleed valve to release any trapped air. See "Grease Gun Priming".
9. Clean the gun of any excess grease.
10. Reset the display meter.



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FILLING WITH A PUMP

WARNING: The gun can be equipped with a low pressure filling valve (3). Never mount a high pressure lubrication fitting, serious damage can occur due to high pressure. Use only low pressure couplings.

1. Insert the rod completely into the tube.
2. Fasten the filling coupler on the gun filling valve (3).
3. Slowly start the filling pump and watch the rod move.
4. When the filling rod is fully extended, approximately 20cm (8 inch), stop the pump immediately. Never overfill!
5. Disconnect the charging coupler.
6. Use the bleed valve to release any trapped air. See "Grease gun priming".
7. Set the display meter to zero.

GREASE PRIMING

WARNING: Air pockets trapped in the grease can cause a lack or loss of priming in the gun. Always remove air after refilling the grease tube or when the gun loses priming and does not pump grease.

1. Make sure the rod is not locked.
2. Insert the rod into the tube.
3. Loosen the screw on the bleed valve without removing it completely.
4. Pull the trigger for 10-20 seconds.
5. If no grease comes out of the hose end, repeat from step 3.

OPERATION

DISPLAY AND WORKING LIGHT

Pressing the gun trigger automatically activates the display and the working LED light. To save energy, both are automatically switched off after 20 seconds.

The LED light can be turned on and off independently by pressing button "A" (16).

The display shows the grease level in the cartridge, the amount of grease dispensed, the mode of operation, the units of measurement and the battery charge level.

GREASE FILLING

SPEED SELECTION

The gun is equipped with 2 operating modes, a LOW mode in which a maximum flow rate of 100g/min is obtained and a HIGH mode in which flow rates of up to 160g/min are achieved (depending on the back pressure and the type of grease and temperature). In both modes the maximum working pressures of the gun can be reached, obtaining a longer battery life in the LOW mode.

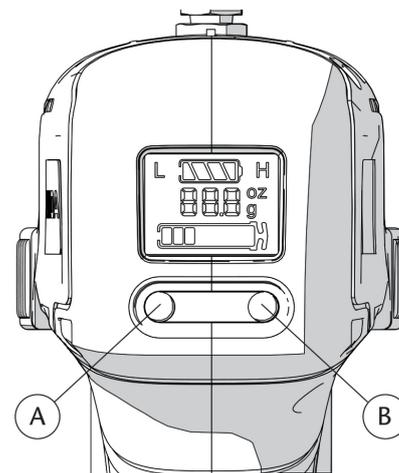
To switch between the two operating modes, press button B, the display will alternately show "H" (HIGH mode active) or "L" (LOW mode active).

GREASE MEASUREMENT (ESTIMATION)

When you are supplying grease, the display will show the amount of grease dispensed in grams or ounces. To change units, press and hold button A for 5" to toggle between the two units.

An estimate of the grease level in the tube is shown graphically on the screen (15d).

Pressing button "B" for 8" resets the counter to zero and restores the full graphic grease level indicator (15d).



BATTERY CHARGE LEVEL

The display shows 4 states of the battery charge level (15a) in graphic form. When none of the bars are visible, recharge the battery according to the recommended instructions.

STALL ALARM

A red light on the display indicates a blocked lube point or another issue. If a red light on the display occurs, please contact your local Alemlube branch for further information.

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PRESSURE RELIEF VALVE

The safety valve (18) is set at the factory to relieve the pressure if it exceeds 500 bar (7250 psi). Grease leakage through the valve indicates that this pressure has been reached due to a clogged fitting at the lubrication point. If this is the case, check the line for the problem.

SHOULDER STRAP

The grease gun is supplied with a shoulder strap for easy transport. Attach the strap supplied to the strap mounts 6a and 6b. Adjust the strap length to your needs.

NON-RETURN VALVE CLEANING

Dirt or particles may cause a failure of the grease dispenser. If the gun is properly primed and grease delivery problems persist, perform the following cleaning procedure:

1. Unscrew the safety valve.
2. Remove the spring and ball.
3. Clean the ball and valve seat.
4. Reassemble the ball and spring and tighten the safety valve.

SPECIFICATIONS

Voltage	20V
Maximum working pressure limited by safety valve	7250psi (500bar)
Flow	100g/min ("L" mode) 160g/min ("H" mode)
Grease type	Up to NLGI-2
Grease capacity	500g (bulk) 450g (cartridge)
Sound pressure level LpA	68 dB (A), K = 3 dB (A)
Sound pressure level LwA	79 dB (A), K = 5 dB (A)

Vibration	aR < 2,5 m/s ² , Uncertainly K = 1,5 m/s ²
Functions	Battery level, grease cartridge level, grease meter estimation, unit change (g/oz), blocked lube point alarm, LED light
Battery	Li-Ion 2.0/4.0 Ah
Battery charger	220V-240 VAC
Charging time	70-90min (2.0 Ah)
Hose length	110cm (43")
Weight	3kg / 6.6lb (with tube and 2Ah battery)

¹ NLGI-2 grease is used with a back pressure of 10bar that simulates passage through a lubricator.



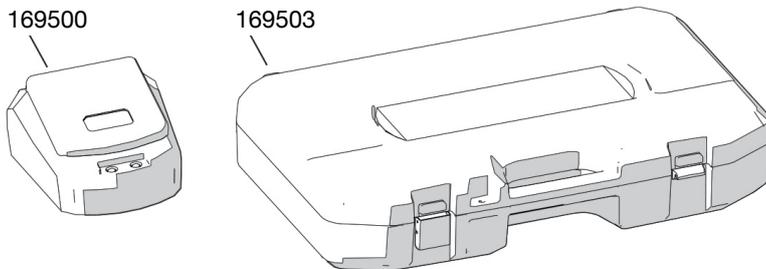
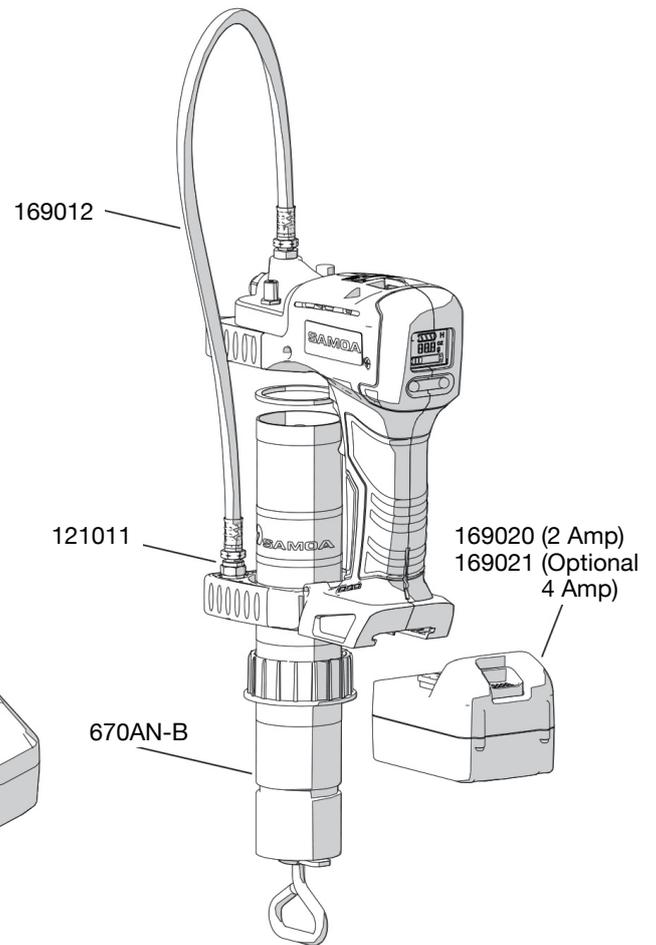
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SPARE PARTS

Part Number	Description
169500	240V AUS Charger
169020	Li-Ion 20V 2Ah Battery (Standard)
169021	Li-Ion 20V 4Ah Battery (Optional)
169503	Carry Case
670AN-B	Barrel Assembly 450g
169012	Flex Hose Extension
121011	Grease Coupler



TROUBLESHOOTING

Problem	Cause	Solution
The gun does not dispense grease	Empty grease tube or cartridge	Refill tube or replace cartridge
	Loss of prime	See "Gun priming" section
	Grease point obstructed	Check installation
	Dirt on non-return valve	Disassemble and clean valve
Motor doesn't work or works at very low speed	Discharged battery	Recharging the battery
	Motor breakdown	Contact technical service
The battery does not recharge or lasts only a short time	Charger power failure	Check charger connection
	Damaged battery	Replace the battery
	Damaged charger	Replace the charger
Leakage from pressure relief valve	Grease point obstructed	Check installation
Grease tube thread leakage	Seal out of place or dirty gasket	Check the seal
	Damaged seal	Replace seal

ENVIRONMENTAL PROTECTION

In accordance with local regulations, your product and/or battery should be disposed of separately from household waste. When this product reaches the end of its life, it must be taken to a collection point designated by the local authorities. The separate collection and recycling of the product or its battery at the time of disposal will help to protect natural resources and ensure that it is recycled in a manner that protects human health and the environment.

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