



# **Professional GFP 18V-10**

Robert Bosch Power Tools GmbH

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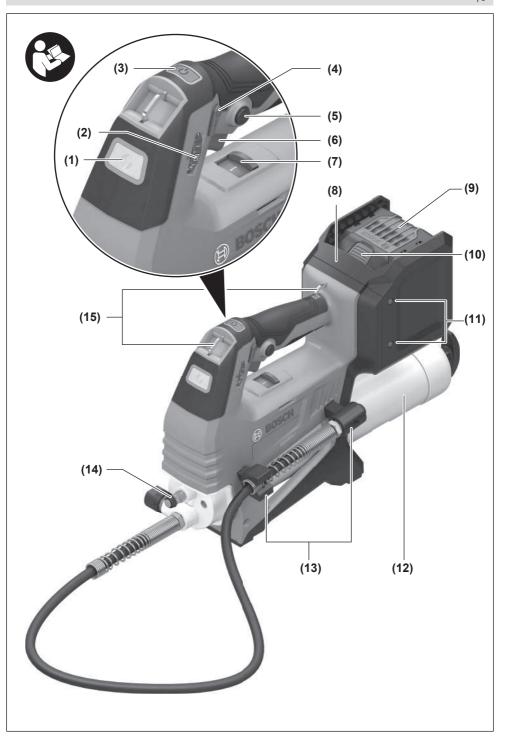
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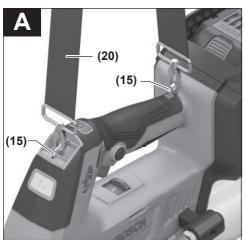


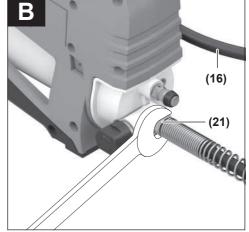
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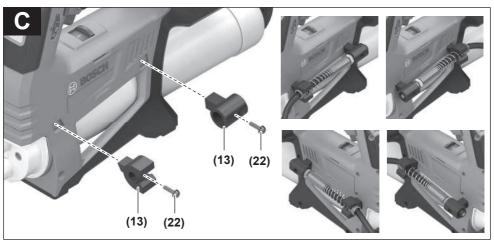


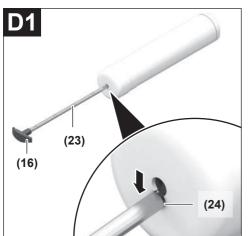


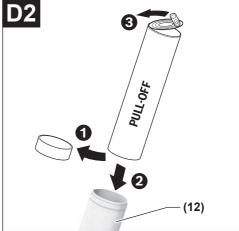


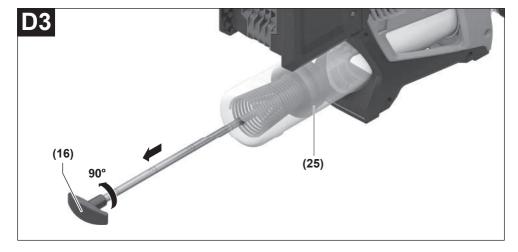


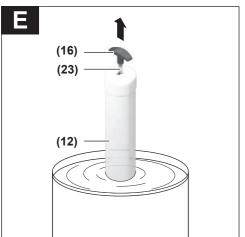


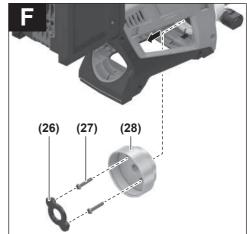


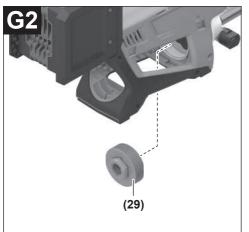


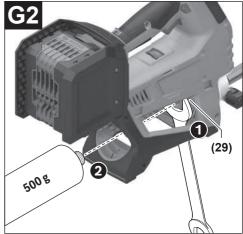


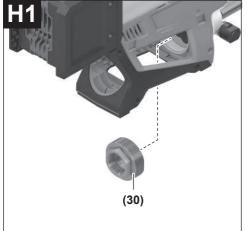


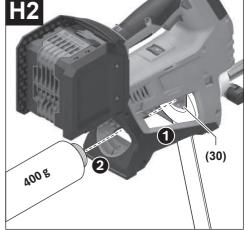


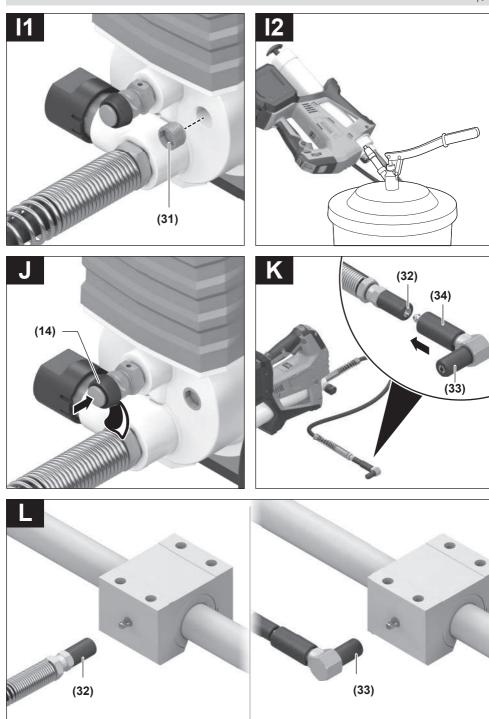












# **English**

### **Safety Instructions**

### **General Power Tool Safety Warnings**

### WARNING

Read all safety warnings, instructions, illustrations and specifica-

**tions 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.

The term "power tool" in the warnings refers to your mainsoperated (corded) power tool or battery-operated (cordless) power tool.

### Work area safety

- Keep work area clean and well lit. Cluttered or dark areas invite accidents.
- ➤ 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
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

### **Electrical safety**

- Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
- Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
- ➤ Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- ▶ Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.
  Damaged or entangled cords increase the risk of electric shock.
- When operating a power tool outdoors, use an extension cord suitable for outdoor use. Use of a cord suitable for outdoor use reduces the risk of electric shock.
- ▶ 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

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 inatten-

- tion while operating power tools may result in serious personal injury.
- ▶ Use personal protective equipment. Always wear eye protection. Protective equipment such as a dust mask, non-skid safety shoes, hard hat or hearing protection used for appropriate conditions will reduce personal iniuries.
- ▶ 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.
- Remove any adjusting key or wrench before turning the power tool on. A wrench or a key left attached to a rotating part of the power tool may result in personal iniury.
- ➤ Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
- ▶ Dress properly. 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.
- If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of dust collection can reduce dust-related hazards.
- ➤ Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles. A careless action can cause severe injury within a fraction of a second.

### Power tool use and care

- ▶ 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.
- ➤ 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.
- ▶ Disconnect the plug from the power source and/or remove the battery pack, if detachable, 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 accidentally.
- Store idle 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.
- Maintain power tools and accessories. 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.

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- ► Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- ▶ Use the power tool, accessories and tool bits etc. 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.
- ► 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 tool use and care

- ▶ Recharge only with the charger specified 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.
- ► Use power tools only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and 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 the battery terminals together may cause burns or a fire.
- Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.
- Do not use a battery pack or tool that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behaviour resulting in fire, explosion or risk of injury.
- ▶ Do not expose a battery pack or tool to fire or excessive temperature. Exposure to fire or temperature above 130 °C may cause explosion.
- ► Follow all charging instructions and do not charge the battery pack or tool outside the temperature range specified in the instructions. Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.

#### Service

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

### **Safety Instructions for Grease Guns**

► Wear protective gloves, eye protection, ear defenders and non-slip shoes when using the grease gun.

- ▶ Keep your hands away from the spring rod. Your hand may be crushed when operating the grease gun.
- ► Do not leave the grease gun in the sunlight. Greases and lubricants may catch fire.
- ▶ Do not store or use greases and lubricants near flames or in a hot place. Greases and lubricants may catch fire.
- ► Ensure that the hose has been screwed in at a tightening torque of 13–16 Nm. Otherwise, the hose may come loose when working with the grease gun.
- ➤ The filling valve must be compatible with the filling nozzle and designed for a pressure of at least 690 bar. This will allow you to avoid damage to the grease gun and the low-pressure pump.
- ► Use only greases that comply with the NLGI classes listed in the technical data. Also observe the instructions of the grease manufacturer. Other unauthorised materials such as oils may spray out of the grease gun and injure your eyes or cause the grease gun to fail.
- Read and observe the instructions of the grease manufacturer before use.
- ▶ Before carrying out any work on the grease gun (e.g. changing the cartridge), remove the battery from the power tool. There is a risk of injury from unintentionally pressing the on/off switch
- ▶ If you are working in an elevated position, secure the grease gun using a fall protection system. This will enable you to avoid material damage and personal injury if you drop the grease gun. The shoulder strap must not be used as a fall protection system.
- ► Always check the grease gun and the hose before using them. Stop using the grease gun if you discover any damage or wear on the grease gun or hose. The hose must not be blocked or kinked. The hose may tear due to high pressure, and escaping grease may lead to injuries.
- Do not forcibly crush or bend the flexible hose. The hose may break or become deformed.
- Do not carry the grease gun by the hose or the spring rod retractor.
- Do not point the hose at yourself or anyone around you when using the grease gun. Grease spraying out may lead to injuries.
- Keep the grease gun clean and wipe off any adhering grease. This prevents the grease gun from slipping, consequently preventing any injuries.
- ► Use only original Bosch accessories.
- Keep your work area clean, dry, well-lit and sufficiently ventilated.
- ► In case of damage and improper use of the battery, vapours may be emitted. The battery can set alight or explode. Ensure the area is well ventilated and seek medical attention should you experience any adverse effects. The vapours may irritate the respiratory system.
- Do not modify or open the battery. There is a risk of short-circuiting.

- ➤ The battery can be damaged by pointed objects such as nails or screwdrivers or by force applied externally.

  An internal short circuit may occur, causing the battery to burn, smoke, explode or overheat.
- ➤ Only use the battery in the manufacturer's products.

  This is the only way in which you can protect the battery against dangerous overload.



Protect the battery against heat, e.g. against continuous intense sunlight, fire, dirt, water and moisture. There is a risk of explosion and short-circuiting.

# Product Description and Specifications



Read all the safety and general instructions.

Failure to observe the safety and general instructions may result in electric shock, fire and/or serious injury.

Please observe the illustrations at the beginning of this operating manual.

### Intended use

The power tool is intended for greasing moving parts via the standard lubrication points provided for this purpose, using commercially available greases intended for grease guns in cartridges or from containers.

### **Product features**

The numbering of the product features refers to the diagram of the power tool on the graphics page.

- (1) LED worklight
- (2) Pump stroke preselection thumbwheel
- (3) On/off switch for worklight
- (4) Locking mechanism
- (5) Lock-on button
- (6) On/off switch
- (7) Gear selector switch
- (8) Protective housing for rechargeable battery
- (9) Rechargeable battery<sup>a)</sup>
- (10) Battery release button<sup>a)</sup>
- (11) Screw for protective housing for rechargeable battery
- (12) 450 g grease cylinder
- (13) Hose bracket
- (14) Bleed valve
- (15) Bracket for the shoulder strap
- (16) Spring rod retractor
- (17) Cylinder cap
- (18) Pressure relief valve
- (19) Hose
- (20) Shoulder strap

- (21) Nut (fastening of hose/power tool)
- (22) Screw for hose bracket
- (23) Spring rod
- (24) Safety groove
- (25) Grease pusher
- (26) Screw cover
- (27) Cross-head screw
- (28) Adapter for 450 g grease cylinder
- (29) Adapter for 500 g screw-in cartridge<sup>a)</sup>
- (30) Adapter for 400 g screw-in cartridge<sup>a)</sup>
- (31) Screw plug
- (32) Nosepiece
- (33) 90° nosepiece
- (34) Sleeve
- a) This accessory is not part of the standard scope of delivery.

### Technical Data

Cordless grease gun		GFP 18V-10
Article number		3 601 JN6 0
Rated voltage	V	18
Grease filling volume	g	450
Max. operating pressure	psi	10000
Max. flow rate	g/min	320
Hose length	mm	1200
Approved grease type		NLGI 0-2
Weight <sup>A)</sup>	kg	4.6
Recommended ambient tem- perature during charging	°C	0 to +35
Permitted ambient temperature during operation <sup>B)</sup> and during storage	°C	−20 to +50
Recommended rechargeable batteries		GBA18V GBA 18V ProCORE18V EXPERT18V EXBA18V CORE18V
Recommended battery chargers		GAL 18 GAL 36 GAL 2V/18 GAL 12V/18 GAX 18 EXAL 18

- A) Without rechargeable battery (you can find the battery weight at www.bosch-professional.com.)
- B) Limited performance at temperatures < 0 °C

Values can vary depending on the product, scope of application and environmental conditions. To find out more, visit www.bosch-professional.com/wac.

# **Rechargeable battery**

**Bosch** sells some cordless power tools without a rechargeable battery. You can tell whether a rechargeable battery is included with the power tool by looking at the packaging.

### Charging the battery

Use only the chargers listed in the technical data. Only these chargers are matched to the lithium-ion battery of your power tool.

**Note:** Lithium-ion rechargeable batteries are supplied partially charged according to international transport regulations. To ensure full rechargeable battery capacity, fully charge the rechargeable battery before using your tool for the first time.

### **Inserting the Battery**

Push the charged battery into the battery holder until it clicks into place.

### Removing the Battery

To remove the rechargeable battery, press the battery release button and pull the battery out. **Do not use force to do this.** 

The rechargeable battery has two locking levels to prevent the battery from falling out if the battery release button is pressed unintentionally. The rechargeable battery is held in place by a spring when fitted in the power tool.

### **Battery charge indicator**

Note: Not all battery types have a battery charge indicator. The green LEDs on the battery charge indicator indicate the state of charge of the battery. For safety reasons, it is only possible to check the state of charge when the power tool is not in operation.

Press the button for the battery charge indicator (a) to show the state of charge. This is also possible when the battery is removed.

If no LED lights up after pressing the button for the battery charge indicator, then the battery is defective and must be replaced.

### Rechargeable battery type GBA 18V... | GBA18V...



LED	Capacity
3× continuous green light	60-100 %
2× continuous green light	30-60 %
1× continuous green light	5-30 %
1× flashing green light	0-5 %

### Battery model ProCORE18V...



Capacity
80-100 %
60-80 %
40-60 %
20-40 %
5-20 %
0-5 %

# Recommendations for Optimal Handling of the Battery

Protect the battery against moisture and water.

Only store the battery within a temperature range of -20 to 50 °C. Do not leave the battery in your car in the summer, for example.

Occasionally clean the ventilation slots on the battery using a soft brush that is clean and dry.

A significantly reduced operating time after charging indicates that the battery has deteriorated and must be replaced. Follow the instructions on correct disposal.

# **Assembly**

▶ Before carrying out any work on the power tool (e.g. maintenance, tool change etc.), remove the battery from the power tool. There is risk of injury from unintentionally pressing the on/off switch.

### Installing the shoulder strap (see figure A)

During work, you can hang the power tool across your shoulder using the shoulder strap (20).

- Hook the shoulder strap (20) into the brackets (15).

### Changing the hose (see figure B)

The product is supplied with a hose **(19)** with a length of 120 cm already fitted.

Replace any kinked or damaged hoses.

- Loosen the nut (21) on the hose using a commercially available wrench and unscrew the installed hose (19) from the power tool.
- Screw the new hose (19) into the power tool and then tighten the nut (21) to a tightening torque of 13–16 Nm.

### Converting hose brackets (see figure C)

The hose brackets **(13)** can be flexibly positioned on the power tool.

- Detach the hose (19) from the hose bracket (13).
- Loosen the screws (22) and pull the hose brackets out of the housing.

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 Depending on your preferred work posture, insert the hose bracket into the recesses provided and tighten it again.

### Filling the power tool with grease

### Permissible cartridges

- 450 g pull-off cartridges
- 500 g screw-in cartridge (can be used with adapter (29): 2 608 001 205)
- 400 g screw-in cartridge (can be used with adapter (30): 2 608 001 204)

# Inserting the 450 g Pull-Off Cartridge (see figures D1-D2)

- Unscrew the 450 g grease cylinder (12) from the power tool by turning it anticlockwise.
- Pull the spring rod (23) on the retractor (16) all the way out and lock it in the safety groove (24).
- Remove the cap from the 450 g pull-off cartridge and insert the cartridge into the 450 grease cylinder (12) with the open side facing down.
- Only now should you tear off the pull-off closure of the cartridge.
- Screw the 450 g grease cylinder (12) into the power tool by turning it clockwise.
- Release the spring rod (23) from the safety groove (24) and slowly press the spring rod into the 450 g grease cylinder (12) as far as it will go.

Release the spring rod (23) from the safety groove (24) and lock the spring rod by rotating 90° with the grease pusher (25). As the grease flows out from the front, the spring rod is pulled from the back, and the remaining quantity can be read off the scale of the spring rod (see figure D3).

 Bleed the system (see "Bleeding (see figure J)", page 12).

# Filling the 450 g Grease Cylinder from Containers (see figure E)

- Unscrew the 450 g grease cylinder (12) from the power tool by turning it anticlockwise.
- Immerse the 450 g grease cylinder approx. 5 cm in the grease from the container.
- Slowly pull the spring rod (23) on the retractor (16) all the way out and lock it in the safety groove (24).
- Screw the 450 g grease cylinder (12) into the power tool by turning it clockwise.
- Release the spring rod (23) from the safety groove (24) and slowly press the spring rod into the 450 g grease cylinder (12) as far as it will go.

Release the spring rod (23) from the safety groove (24) and lock the spring rod by rotating 90° with the grease pusher (25). As the grease flows out from the front, the spring rod is pulled from the back, and the remaining

- quantity can be read off the scale of the spring rod (see figure **D3**).
- Bleed the system (see "Bleeding (see figure J)", page 12).

# Preparing for the Use of 500 g Screw-in Cartridges/400 g Screw-in Cartridges (see figure F)

- Unscrew the 450 g grease cylinder (12) from the power tool by turning it anticlockwise.
- Remove the black screw cover (26).
- Then unscrew both cross-head screws (27) and remove the adapter (28).

# Inserting the 500 g Screw-in Cartridge (see figures G1-G2)

- Screw the adapter (29) into the power tool and tighten it with a wrench (width across flats 30 mm).
- Screw a 500 g screw-in cartridge into the adapter (29).
- Bleed the system (see "Bleeding (see figure J)", page 12).

# Inserting the 400 g Screw-in Cartridge (see figures H1-H2)

- Unscrew the 450 g grease cylinder (12) from the power tool by turning it anticlockwise.
- Screw the adapter (30) into the power tool and tighten it with a wrench (width across flats 41 mm).
- Screw a 400 g screw-in cartridge into the adapter (30).
- Bleed the system (see "Bleeding (see figure **J**)", page 12).

# Filling the 450 g Grease Cylinder Using the Filling Pump (see figures I1-I2)

Using a low-pressure pump, the 450 g grease cylinder **(12)** can be filled directly from a grease barrel via a filling valve (1/8" NPT thread).

- Remove the screw plug (31) using a commercially available hex key, and screw the filling valve (component of the low-pressure pump) into the thread.
- Connect the low-pressure pump to the filling valve and fill the 450 g grease cylinder (12).
- If you always connect the 450 g grease cylinder to a lowpressure pump for filling, you can leave the filling valve screwed into the power tool.
   Otherwise, unscrew the filling valve from the power tool

and close the thread again with the screw plug (31).

 Bleed the system (see "Bleeding (see figure J)", page 12).

### Bleeding (see figure J)

### Bleeding via the bleed valve

 To bleed the 450 g grease cylinder (12) or the inserted cartridges, press the bleed valve (14) until grease is escaping continuously.

During bleeding, you can also press the on/off switch (6).

### **Active bleeding**

 Lock the spring rod (23) by turning it 90° with the grease slider (25). Press on the bleed valve (14) and push the

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spring rod forwards until grease escapes from the bleed valve (14).

or

Press on the bleed valve (14) and push the base of the inserted cartridge (500 g screw-in cartridge or 400 g screw-in cartridge) forwards using a suitable object until grease escapes from the bleed valve (14).

### Installing the 90° nosepiece (see figure K)

For lubrication points that are difficult to access, a nosepiece angled by 90° (33) can be installed on the normal nosepiece (32).

- Insert the 90° nosepiece (33) into the normal nosepiece (32) on the hose (19) and push the sleeve (34) over the connection.
- To remove the 90° nosepiece (33), push back the sleeve (34) and pull the 90° nosepiece (33) out of the nosepiece (32).

# Replacing the protective housing for the rechargeable battery

If the protective housing for the rechargeable battery (8) has been damaged, it must be replaced.

- Remove the rechargeable battery (9).
- Loosen the screws (11) and remove the damaged protective housing for the rechargeable battery.
- Screw the new protective housing for the rechargeable battery back on.

# **Operation**

### Work preparation

### Setting the number of pump strokes

By preselecting the pump strokes, a constant grease quantity can be applied to various lubrication points.

- Set the required number of pump strokes on the thumbwheel (2).

Thumbwheel (2)	Number of pump strokes
ON	Unlimited as long as the on/off switch <b>(6)</b> is pressed.
150	Once the set number of pump strokes has been reached, the power tool switches off automatically, even if the on/off switch (6) continues to be pressed.

#### Setting the gear

The power tool has two gears that regulate the grease flow rate in relation to the working pressure.

- Set the required gear using the switch (7).

Switch (7)	Grease quantity/working pressure	
First gear	<ul> <li>Grease flow rate: 100 g/min</li> </ul>	
	<ul> <li>Maximum working pressure:</li> </ul>	
	10000 psi	

Switch (7)	Grease quantity/working pressure
Second gear	- Maximum grease flow rate: 320 g/min
	- Working pressure: 6000-8000 psi

### Overview of grease quantities

Different grease quantities are applied depending on the number of pump strokes.

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Number of pump strokes	Grease quantity <sup>A)</sup> [g]
1	0.7
2	1.4
3	2.1
4	2.8
5	3.5
6	4.2
7	4.9
8	5.6
9	6.3
10	7.0
15	10.5
20	14.0
25	17.5
50	35.0
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### Starting operation

### Switching on and off

- To unlock the on/off switch (6), press the locking mechanism (4) from left to right.
- To start the power tool, press and hold the on/off switch
   (6).
- With the on/off switch pressed, press the lock-on button (5) to lock the on/off switch (6) in this position.
- To switch off the power tool, release the on/off switch
   (6); or, if the switch is locked with the lock-on button
   (5), briefly press the on/off switch
   (6) and then release it.
- After working, press the locking mechanism (4) from right to left to prevent grease from escaping unintentionally.

#### Worklight

The LED worklight (1) illuminates the work area in poor lighting conditions.

- To switch the worklight on, press the on/off switch of the worklight (3).
  - If the grease gun is not operated when the worklight is switched on, the worklight switches off again automatically after some time.
- To switch the worklight off, press the on/off switch of the worklight (3) again.

### **Working Advice**

- ➤ Comply with the manufacturer's instructions regarding the greases! Certain greases can only be used in a certain temperature range.
- Open and use the cartridges in accordance with the manufacturer's specifications.
- The brackets for the shoulder strap do not act as fall protection. Use the brackets (15) only to attach a shoulder strap.

### Greasing (see figure L)

- Fill the power tool with grease.
- Install the required nosepiece: (32)/(33).
- Set the required gear (switch (7)).
- If required, set the number of pump strokes (thumbwheel (2)).
- Connect the nosepiece to the lubrication point.
- Unlock the on/off switch (locking mechanism (4)).
- Switch the power tool on (on/off switch (6)).
- Once the required grease quantity has been applied to the lubrication point, switch the power tool off.

Once the set number of pump strokes has been reached, the power tool switches off automatically.

### Pressure relief valve

The pressure relief valve (18) opens if the working pressure exceeds the maximum pressure of 10,000 psi during greasing. Grease is drained into the cap of the pressure relief valve, and the power tool switches off automatically.

- Switch the power tool off.
- Inspect the lubrication point and the hose (19) for possible blockages.

Once any faults have been rectified, work can continue as normal.

## Maintenance and Service

### **Maintenance and Cleaning**

- Before carrying out any work on the power tool (e.g., maintenance, tool change etc.), remove the battery from the power tool. There is risk of injury from unintentionally pressing the on/off switch.
- To ensure safe and efficient operation, always keep the power tool and the ventilation slots clean.

### **After-Sales Service and Application Service**

#### **Australia**

Phone: (01300) 307044

You can find the link to our service addresses and warranty conditions on the last page.

In all correspondence and spare parts orders, please always include the 10-digit article number given on the nameplate of the product.

### **Disposal**

Power tools, rechargeable batteries, accessories and packaging should be sorted for environmental-friendly recycling.



Do not dispose of power tools and batteries/rechargeable batteries into household waste!

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Servicekontakte Service Contacts Contacts de Service Contactos de Servicio



https://www.bosch-pt.com/serviceaddresses

Garantiebedingungen Guarantee Conditions Conditions de Garantie Condiciones de Garantía



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