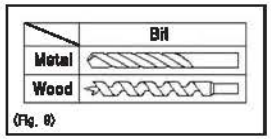
▶ Installing or removing bit (Refer to Fig. 8)
1) Switch off the tool and put the reversing lever in neutral.
2) Turn the sleeve counterclockwise to open the chuck jaws.
3) Place the bit in the chuck as far as it will go.
Turn the sleeve clockwise to tighten the chuck until it locks in place with "click"


(Fig. 8)

▶ Screwdriving operation (Refer to Fig. 9)

Adjust the torque cap to the proper torque level for your work.
Use well polished HSS drill bit when operating metal drilling.



(Fig. 9)

[Maintenance & Storage]

Always be sure that the tool is switched off and the battery is removed before attempting to perform inspection or maintenance.
▶ Keep the tool clean and inspect it reguarly.

[Guarantee]

▶ It is warranted 1 year to be free of defects from workmanship and materials for the period of origin purchase.
Some states do not allow the exclusion or limitation or incidental or consequential damages, so the limitation or exclusion below may not apply to you.
– Motor, battery is warranted 6 months since the period of origin purchase.
– Battery is consumable item and you need to buy new battery.

▶ This warranty does not apply where
– repairs have been made or attempted by others ; (such as immersion, external shock, overload operation)
– natural disasters (fire, earthquake, flood etc)
– repairs are required because of normal wear and tear ;
– the tool has been abused, misused or improperly maintained ;
– alterations have been made.

Use within the scope of the tasks listed in the manual.
Otherwise, the equipment get damaged, shorten life or get injured.
and we do not have the responsbility and not able to repair your power tool.

MEMO www.aimsak.com

Aimsak
Add : #171, Yangcheongsongdaegil, Ohchang eup, Cheongwon-gun, Chungcheongbuk-do, Rep. of Korea.
Representitve No. 82-43-217-8400
E-mail : aimsak@aimsak.com

MADE IN KOREA
(2014-08)

Aimsak

Operation Instructions

AD 418R
AD 418RS

AD 418R
18V DRIVER DRILL

AD 418RS
18V DRIVER DRILL

[Cautions]
▶ Do not attempt to overload, after consider intensity of the work using right power tools.
If operating time has become excessively shorter, stop operating immediately.
It may result in a risk of overheating, possible burns and even an explosion.

Index

⚠ **WARNING Read all safety warnings and instructions.** Failure to follow all instructions may result in electric shock, fire and/or serious personal injury.

Aimsak Co., Ltd.

[Tool Specification]

▶ Specification

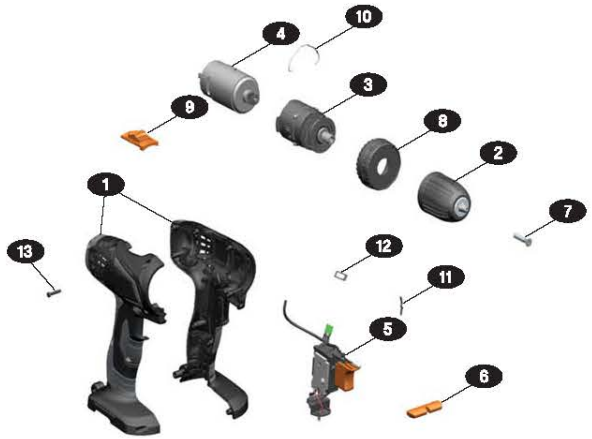
	AD 418R	AD 418RS
Voltage	DC 18V	
Chuck capacity	10mm (3/8")	6.35mm (1/4"HEX)
No load speed	1Step: 0~400 min⁻¹ / 2Step: 0~1,300 min⁻¹	
Max. Torque	39N·m (398kgf.cm)	
Switch	Variable Speed Control	
Net. Weight	1.10kg	0.98kg

▶ Contents

	AD 418R	AD 418RS
Cordless Driver Drill	1 EA	
Charger	1 EA	
Adapter	1 EA	
Battery	2 EA	
Operation Instructions	1 EA	
Plastic Case	1 EA	

[Exploded View]

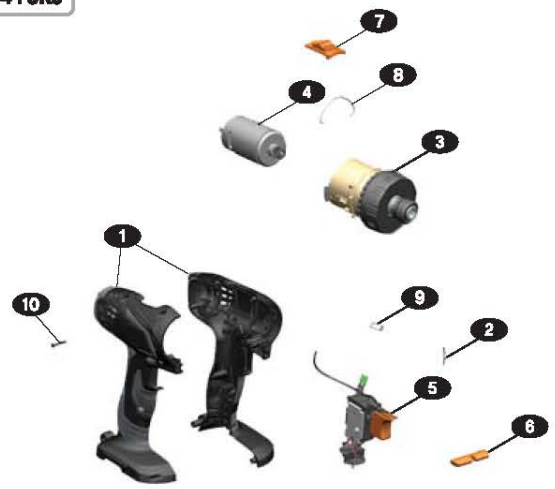
AD 418R



Part Name

NO.	Part Name	Q'ty
1	Housing	1
2	Keyless Chuck	1
3	Gear Box	1
4	Motor	1
5	Switch	1
6	Reversing Lever	1
7	Left Hand Screw	1
8	Torque Cap	1
9	Shift Lever	1
10	Shift Lever Spring	1
11	Clicker Spring	1
12	Fuel gauge Sticker	1
13	Star Screw	9

AD 418RS



Part Name

NO.	Part Name	Q'ty
1	Housing	1
2	Clicker Spring	1
3	Gear Box	1
4	Motor	1
5	Switch	1
6	Reversing Lever	1
7	Shift Lever	1
8	Shift Lever Spring	1
9	Fuel gauge Sticker	1
10	Star Screw	9

- The specifications herein are subject to change without notice.
- Note: Specifications may be changed by the requirement of country.

[Safety Instructions]

⚠ **WARNING Read all safety warnings and instructions.** Failure to follow all instructions listed below may result in electric shock, fire and/or serious personal injury.

Save all warnings and instructions for future reference.

The term "power tool" in the warnings refers to corded power tool or battery operated power tool.

1. Work area

▶ **Keep work area clean and well lit.**
Cluttered and dark area invites injuries.

▶ **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 power tools.**
Distractions can cause you to lose control.

2. 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 surface, such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if youor 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 power tools in outdoor, use an extension cord suitable for outdoor use.**
Use of a cord suitable for outdoor 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 shick.

3. Personal safety

▶ **Stay alert, watch what you are doing and use common sense when operating power tools.**
Do not use power tools while you are tired or under the influence of drugs, alcohol or medication.
A moment of inattention while operating power tools may result in serious personal injury.

▶ **Use safety equipment. Always wear eye protection.** Safety equipment such as dusk-mask, non-skid safety shoes and heating protection, must be used for appropriate conditions. These will reduce personal injuries.

▶ **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 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 injury.

▶ **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, clothing, and gloves away from moving parts.
Loose clothes, jewellery or long hair can be caught in moving parts.

▶ **If devices are provied 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.

4. Use and care

▶ **Do not force the power tool. Use the correct power tool for your application.**
The correct application 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 the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.** Such preventive saftey 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. 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.

▶ **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.

5. Li-Ion Battery use and care

◈ **Li-ion battery can be recharged by 100% even it is not fully discharged.**
(Li-ion battery has no memory effect)
Memory effect : After first use, or neglect long-term use 70~80% of the exercise becomes ability phenomenon.

▶ **Use power tools with specifically designated battery packs.**
Use of any other battery packs may create a risk of injury and fire.

▶ **Ensure that the outside surface of battery terminal is clean.**
It causes fire, explosion.

▶ **Cool the power tool for 10 minutes before you replace to a new battery if you operated until discharged.**
Heat leads to damage of tool and battery.

▶ **Do not disassemble the battery, and protect against shock.**
Short circuits occurs and may cause fires and explosions.

▶ **Allow heated batteries to cool before charging.**
Please refer to the enclosed with an NTC temperature monitor which allows charging only within a temperature range of 0~55℃. Or it will cause serious damaged to the battery pack.

▶ **Do not use the battery charger connect to transformers as DC power charger or engine generator.**
Due to failure and fire.

▶ **This charger has been designed to stop to charge the battery in cold weather below 0℃.**
Do charge the battery cartridge at room temperature – 0℃ ~ 45℃ (32℉ ~ 113℉).

▶ **Please avoid enclosed place while charging and use in well-ventilated place.**
Also, do not cover with fabrics and vinly while charging. Due to risk of fire.

▶ **Do not disassemble the battery charger randomly. Due to risk of failure.**

▶ **Have your battery charger repaired by an authorized Aimsak Service Center.**

6. Service

▶ **Have your power tool seviced by a qualified repair person using only identical replacement parts.**
This will ensure that the safety of the power tool is maintained. This will prolong the useful life of the battery and can be recharged up to 2,000 times when used properly.

▶ **(+) and (–) terminal avoid to contact with metal.** Also do not keep and move with metal necklace and hairpin.
Due to risk of fires, burns and explosion by short-circuit.

▶ **Do not connect (+) and (–) in reverse, do not charge as (+) and (–) polarity in changed.**
Charging as the change of polarity is a risk of fire or explosion.

▶ **Do not expose battery to water or rain.**

▶ **Never completely discharge the battery pack.** Not using for long time, please recharge once in 3 months.
It can not be charged when completely discharged. If so, please contact to nearest A/S center.

▶ **Do not discharge Li-Ion battery completely as fully discharged battery may cause not to charge the battery properly. In this case, contact authorized service center to solve it.**

▶ **Ensure that batteries are charged using the correct charger recommended by the manufacturerer.**
Otherwise, It may invite the risk of fire or explosion.

▶ **Do not expose the battery to the sunshine for a long time period.** Due to risk of fire and explosion.

▶ **Overloading or using in high temperature causes to leak electrolyte of battery.**
If the seal is broken, device and flowing leakage contact with skin and wash immediately with soap and water.
Ensure that if electrolyte gets in to your eyes, rinse them out with water and seek medical attention right away.
Liquid comes out from the battery irritates skin and causes fire.

▶ **Do not put next to fire or burn it even if it is damaged badly or completely discharged.**
Due to risk of fire and explosion.

▶ **Ensure battery is disposed of safety as instructed by manufacturer.**
Do not throw the battery away in household garbage, fire or water.
Due to risk of fire, explosion and environmental pollution.

◈ **Li-Ion Battery Charger Instructions.**
WARNING! Use the correct voltage of charger.

▶ **Do not charge other manufactuerer batteries only except Aimsak's one.**
Tne appliance is only suitable for charging Aimsak batteries. Due to risk of fire and explosion.

▶ **Ensure that the plug and power code is abnormalities.** Do not use damaged charger. Due to electric shock.

▶ **Ensure the switch is in the off position before inserting battery pack.**
Inserting the battery pack into power tools that have the switch on invites accidents.

▶ **Keep the battery charger in a dry and frost –free place.**
Enter water in the battery charger create failure and electric shock.

▶ **Do not carry the battery charger with power code and not to plug out with the wire.**
Protect from heat, water and sharp edge. Due to risk of short-circuit.

▶ **Plug out immediately if battery charger is damaged or heated,**
due to fire and explosion when charging continously.

▶ **Ensure that charger terminal is clean. Pollution causes electric shock.**

▶ **Do not charge and operate the battery charger on combustible ground or surroundings due to its heating during the charging process.** Heated battery charger currents to fire.

◈ Indicators and Meaning

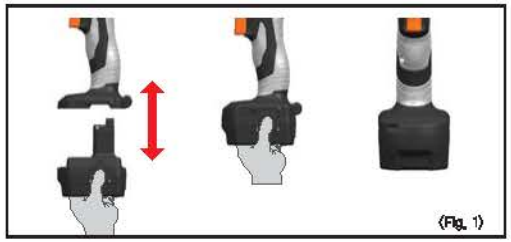
Indicators		Meaning
Standby	▶ Green LED Flickering	▶ Battery charging is workable.
Charging	▶ Red LED on	▶ Battery is being charged.
Finish	▶ Green LED on	▶ Fully charged.
Battery High Temperature	▶ Red & Green LED on (Red/Green)	▶ Battery temperature has missed the normal range(0~45℃). Charge will automatically start when allowable temperature is reached.
Battery low voltage		▶ Pre-charging mode voltage of the battery is low. (When a constant voltage charging mode is switched to rise.)

[Operating Instructions]

◈ Removing the battery

▶ Installing and removing battery 〈Refer to Fig. 1〉

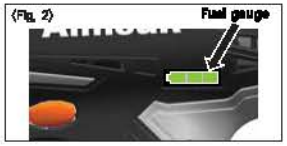
Do not use force when inserting the battery.
To insert the battery, align the battery
with the groove in the housing and slip into place.
Always insert it all the way until it locks in place with a little click.
If not, it may accidentally fall out of the tool.


〈Fig. 1〉

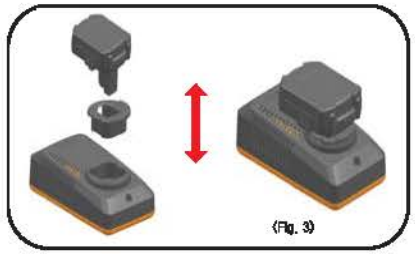
▶ Fuel gauge 〈Refer to Fig. 2〉

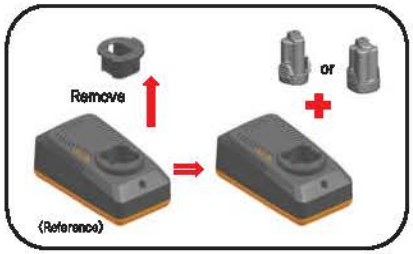
Lamp on the fuel gauge panel goes out several seconds after releasing the switch trigger.
Please refer to the following table for the LED indicator status and the remaining battery capacity.

Indicator	Remaining battery capacity
Full light on	(Over) 80%
light on	50 ~ 80%
light on	20 ~ 50%
OFF	(Below) 20%



▶ How to recharge 〈Refer to Fig. 3〉


〈Fig. 3〉



Put the adapter into charger. Then, insert 18V Li-ion battery onto the adapter and start to charge it.
〈Note〉 without the adapter, you can use this charger to recharge other 10.8V or 14.4V plug-in type of batteries.

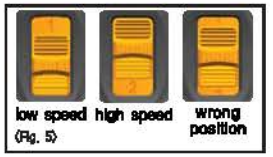
▶ Adjust the torque 〈Refer to Fig. 4〉

Adjust the adjusting ring to the proper torque level for your work.
Position 1 (lowest torque) : Working with small screws and soft materials.
position 27(highest torque) : Working with large screws and rigid materials.
Set to high torque or drill torque when releasing screw.
〈Before actual operation, drive a trial screw into your material or a piece of duplicate material to determine which torque level is required for a application.〉

〈Fig. 4〉

▶ Speed change 〈Refer to Fig. 5〉

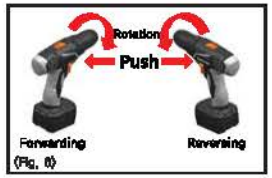
① Low speed : Slow rotation / High power
② High speed : High-speed rotation / Low power
Caution! Switch off the tool before operate the speed change lever.
Always set the speed change lever fully to the correct position.
If you operate the tool with the speed change lever positioned
halfway between the "1" side and "2" side, the tool
may be damaged.



〈Fig. 5〉

▶ Reversing the Rotational Direction 〈Refer to Fig. 6〉

Clockwise rotation
press the reversing lever as the picture.
(Screwing in and tightening)
Counterclockwise rotation
Depress the reversing lever as the picture.
(Releasing screw operation)
Caution! Use the reversing switch only after the tool comes to a complete stop.



〈Fig. 6〉

▶ Switch action 〈Refer to Fig. 7〉

To start the tool, simply pull the switch trigger.
Tool speed increases by increasing pressure on the switch trigger.
Release the switch trigger to stop. Safety brake devices are set to the switch and stop immediately when you release the switch.
Pull the switch trigger to light up the lamp. The lamp keeps on lighting while the switch trigger is being pulled.
The lamp goes out after releasing the trigger.