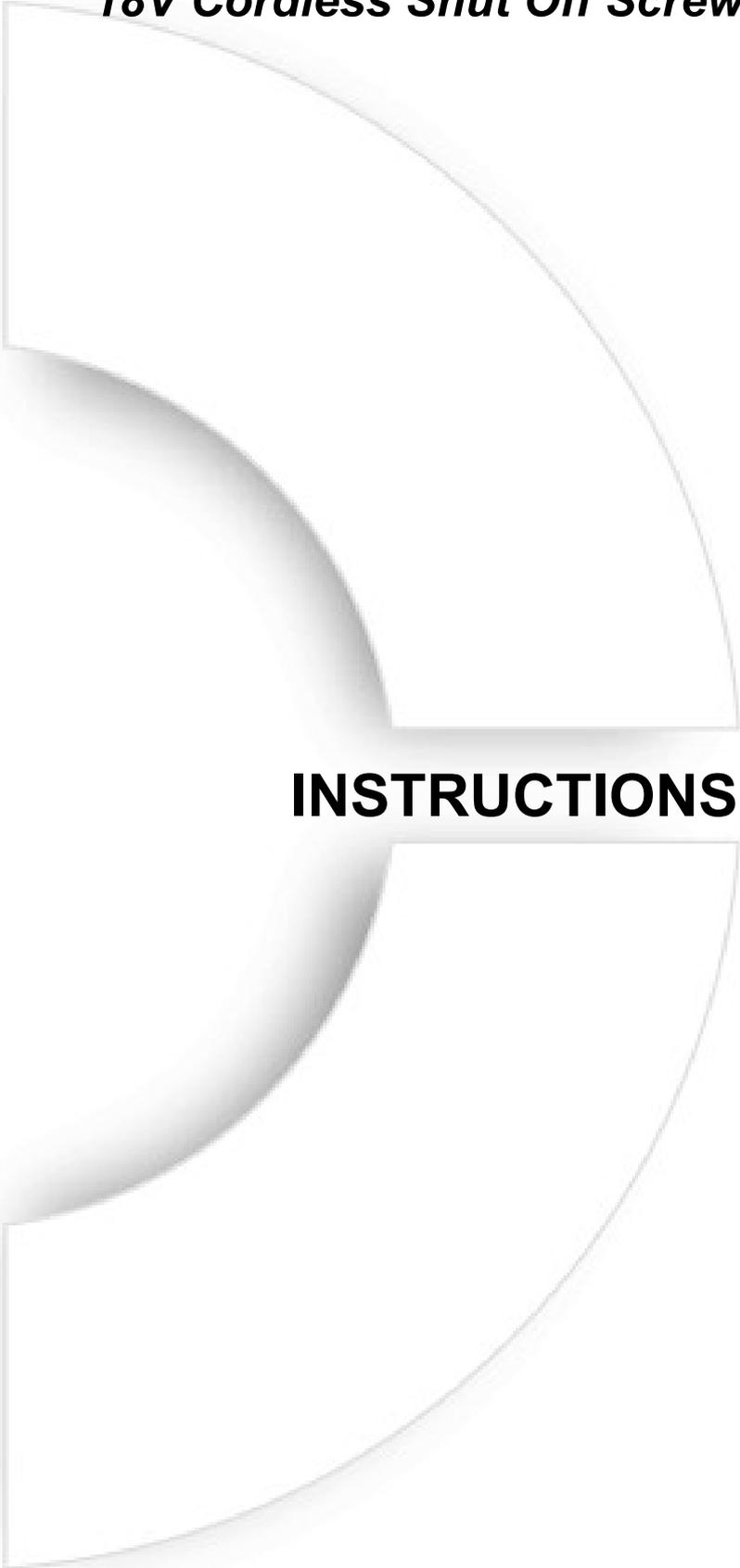




BSTP18-3 HD 1/4
BSTP18-6 HD 1/4
BSTP18-9 HD 1/4
BSTP18-12 HD 1/4

18V Cordless Shut Off Screwdrivers (Brushless motor)

A large, stylized, white 'S' shape with a subtle drop shadow, positioned vertically on the left side of the page. The 'S' is composed of two curved segments meeting at a central horizontal bar.

INSTRUCTIONS MANUAL



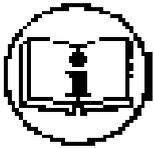
IMPORTANT

The tool delivered with this manual may be modified for specific needs.

In that case, please give us the tool code number written on our shipping note or the approximate tool delivery date when you place an order for a new similar tool or for spare parts.

In that way, you will be sure to get the required tool and/or spare part.

WARNING



This information has to be kept in a location known by all users.



Each operator has to read carefully this manual before installing, using, and mending the product.

Be sure that the operator has understood using recommendations and the meaning of signs put on the product.

Most accidents could be avoided respecting this Manual Instructions. As a matter of fact, they were created according to European laws and norms regarding products.

In each case, please respect and follow safety national norms. Do not take off nor damage the stickers or advise put on the product and above all the details imposed by the law.

FUNCTIONAL GUIDES



(A)	1/4" Hex with quick change chuck.
(B)	Torque adjustment cover.
(C)	LED indicator provides simple process information to the operator. The signal is visible from any angle.
(D)	LED light for working in dark area.
(E)	Trigger repeat protection avoid double hits on already seated screw.
(F)	Press button for easy Forward/Reverse operation.
(G)	Ergonomic handle design provides a well-balance.
(H)	Easy attached sliding battery system.
(I)	Li-ion battery pack delivers longer run-time.

WARNING! “READ ALL INSTRUCTIONS” Always observe the safety regulations applicable in your country to reduce the risk of fire, electric shock and personal injury. Understand the following safety instructions before attempting to operate this product. Always wear eye protection when working with power tools. Keep these instructions in a safe place.

SAVE THESE INSTRUCTIONS

General Safety Rules

Work Area Safety

- **Keep your work area clean and well lit.** Cluttered benches and 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 bystanders, children, and visitors away while operating a power tool.** Distractions can cause you to lose control.
- **Use safety equipment. Always wear eye protection.** Dust mask, non-skid safety shoes, hard hat, or hearing protection must be used for appropriate conditions.

Tool Use and Care

Personal Safety

- **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use tool while tired or under the influence of drugs, alcohol, or medication.** A moment of inattention while operating power tools may result in serious personal injury.
- **Dress properly. Do not wear loose clothing or jewelry. Contain long hair. Keep your hair, clothing, and gloves away from moving parts.** Loose clothes, jewelry, or long hair can be caught in moving parts.
- **Do not overreach. Keep proper footing and balance at all times.** Proper footing and balance enables better control on the tool in unexpected situations.
- **Use clamps or other practical ways to secure and support the work piece to a stable platform.** Holding the work piece by hand or against your body is unstable and may lead to loss of control.
- **Do not force tools. Use the correct tool for your application.** The correct tool will do the job better and safer at the rate for which it is designed.
- **Do not use tool if switch does not turn it on or off.** Any tool that cannot be controlled with the switch is dangerous and must be repaired.
- **Store idle tools out of reach of children and other untrained persons.** Tools are dangerous in the hands of untrained users.
- **Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tool operation. If damaged, have the tool serviced before using.** Many accidents are caused by poorly maintained tools.

- **Use only accessories that are recommended by the manufacture for your model.** Accessories that may be suitable for one tool, may become hazardous when used on another tool.

Service

- **Tool service must be performed only by qualified repair personnel.** Service or maintenance performed by unqualified personnel could result in a risk of injury.
- **When servicing a tool, use only identical replacement parts. Follow instructions in the Maintenance section of this manual.** Use of unauthorized parts or failure to follow maintenance instructions may create a risk of electric shock or injury.

Additional Safety Rules for Shut Off Screwdriver

Battery Charger

- **Caution:** To reduce risk of injury, charge only the authorized batteries. Other types of battery may burst, causing personal injury and damage.
- Before using battery charger, read all instructions and cautionary markings on batteries, chargers and products using batteries.
- Do not allow anything to cover or clog the charger vents.
- Do not expose charger to rain, snow or wet conditions.
- To reduce the risk of damage to electric plug and cord, pull by plug rather than cord when disconnecting charger.
- Use of an attachment not recommended or sold by the manufacturer may result in a risk of fire, electric shock, or injury to persons.

- Make sure cord for charger is located so that it will not be stepped on, tripped on, tripped over, or otherwise subjected to damage or stress.
- Do not abuse the power cord. Never use the cord to carry the charger. Keep cord away from heat, oil, water, sharp edges, or moving parts. Replace damaged cords immediately.
- Do not operate charger if it has been damaged in any way, take it to a qualified service center for repair.
- To reduce risk of electric shock, unplug charger from outlet before attempting any maintenance or cleaning. Turning off controls will not reduce this risk.
- Do not disassemble charger or battery cartridge, take it to a qualified service center when repair is required. Incorrect reassembly may result in a risk of electric shock or fire.

Battery Pack

- Do not charge battery pack when temperature is below 0°C (32°F) or above 40°C (104°F).
- Do not attempt to use a step-down transformer, an engine generator or DC power receptacle.
- Do not short the battery pack: Do not touch the terminals with any conductive material. Avoid storing battery cartridge in a container with other metal objects such as nails, coins, paper clips, etc.
- Do not expose battery cartridge to water or rain. A battery short can cause large current flow, overheating, possibly burns and even a breakdown.

- Do not store the machine and battery pack in locations where the temperature may reach or exceed 50°C (122°F).
- Do not incinerate the battery pack even if it is severely damaged or completely worn out. The battery pack can explode in a fire.
- Be careful not to drop, shake, or strike the battery.
- Do not charge inside a box or container of any kind. The battery must be placed in a well ventilated area during charging.
- Do not dispose of battery packs into household waste, fire or water. Battery packs should be collected, recycled or disposed of in an environmentally-friendly manner. Call the authorized warranty centers for places to dispose of damaged or inoperable batteries.

FUNCTIONAL DESCRIPTION

This industrial shut off screwdriver is designed for nut tightening/loosening and screw driving/loosening. It is not appropriate to use for wood/mild steel drilling. Please refer to the figure on the page to familiarize yourself with the major components of this tool before use.

1. Power Switch

Depressing the power switch will energize the LED light (2) in front and the tool starts to rotate. When released, power to the motor will cease and the tool stops to work immediately. But the LED light will remain for 5 seconds then off.

3. Forward/Reverse Button

The tool is always in forward operation unless the Forward/Reverse button is pressed. When the button is pressed, the blue LED shows and the tool will be in reverse operation. To get the tool back in forward operation, just simply press the button again and the blue LED would disappear and the tool is back in forward operation.

4. Quick Change Holder

This driver accepts only 1/4" (6.35mm) hexagonal bits. Be sure the bit is fully engaged by the chuck before operating tool. Otherwise, the bit may fly off and cause property damage or personal injury.

5. Li-ion Battery

This battery provides electrical power to the motor. Please charge it according to the charging instruction listed in this manual.

6. Torque Adjustment Cover

Open the torque adjustment cap. Use the torque adjustment tool to either tighten or loosen the spring until the desired torque is reached.

WARNING: Use the tool to either tighten or loosen nuts and screws **ONLY** in stipulated torque and voltage ranges.



ASSEMBLY

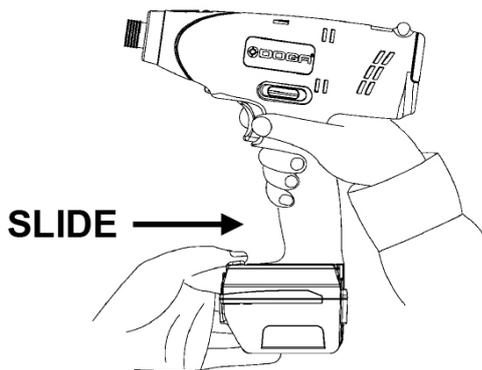
Check for damage to the tool; parts or accessories which may have occurred during transport. Take the time to thoroughly read and understand this manual prior to operation.

This tool kit contains:

- 1 18V cordless Shut off Screwdriver
- 1 torque adjust tool
- 1 instruction manual

Attaching or Removing Battery Pack

1. To connect battery, line up the tracks and attach the battery pack. Slide toward the battery pack until it locks into position with a click.



2. To remove the battery pack, press the red button on the top of the battery pack and release the battery pack.



OPERATIONS

This product had been carefully inspected prior to leaving the factory. It should provide you with years of satisfying service under normal operating conditions. Do not, however, force the tool to perform outside its design parameters. Such usage will void the warranty.

WARNING! Read the manual instruction before operating the tool. Always wear safety glasses or face-shields when operating this product. Failure to do so can result in dust, shavings or loose particles being thrown into your eyes.

1. Slide battery into the bottom of the housing handle until a click sound occurs. Do not force battery as it should slide easily into place with nominal force. Any difficulty doing so would indicate an incorrect alignment.

2. Tool speed can be adjusted by the extra programmer.

(Purchase an additional programmer)

3. Select a proper size drive bit and insert into the quick change holder.

4. Depress the trigger to engage the LED light and the tool starts to work. Check the torque on the digital tester to see if the desired torque reached. If not, adjust the torque to either tighten or loosen the spring.
5. When the torque is reach, the tool will shut off automatically.

Forward/ Reverse Rotation Switch Operation

To prevent damage, do not press Forward/Reverse button until the anvil comes a complete stop.

Forward Rotation Operation

The tool is in forward operation if the blue light is not on.

Reverse Rotation Operation

By long press on the F/R switch, users are able to choose the mode of Reverse operation, either automatic or manual.

Mode 1: Automatic – Tool returns to Forward operation automatically after reverse operation.

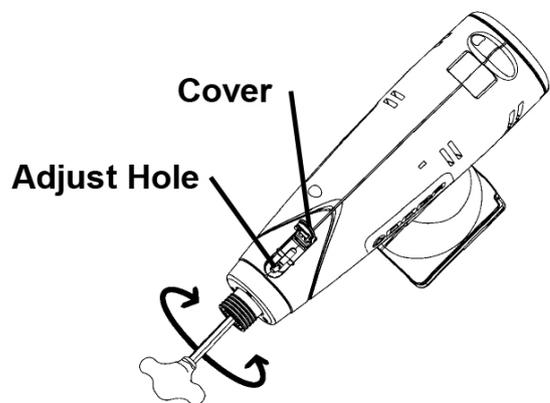
Mode 2: Manual – Tool needs to be adjusted manually to return to Forward operation after reverse operation.

How to adjust: Long press on the F/R switch and release it as seeing the flashing blue light is on. The mode is transformed successfully.

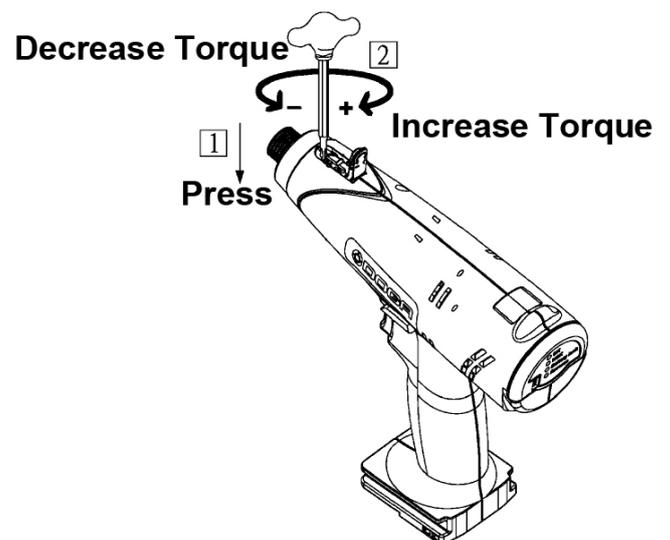
Steps for Torque Adjustment

1. Lift the torque adjustment over. Take the torque adjust tool and insert it to the quick change holder and turn until the adjust hole shows up.

Note: To avoid danger during the adjustment process, the battery pack must be removed before adjusting the torque.



2. Use the torque adjust tool to turn clockwise to increase torque and turn counterclockwise to decrease torque.



LED indicator and beeper on the tool shows the following status

Status of the LED indicator and beeper	Status of the tool	Action to be taken
Light up in red, yellow and green together for one second. A long beep for one second.	The motor is switched on.	-
Light up in red for one second. A long beep for one second.	The preset torque is not reached (NOK).	The screwing fastener must be performed again.
	The screw is refastened after fastening (NOK).	The screwing fastener must be performed again.
Light up in green.	The preset torque is reached and the tightening is OK.	-
Blinks in yellow for five times. Five short beeps.	The battery power becomes low.	Replace the battery with fully charged one.
Light up in yellow for five second. A long beep for five second.	The battery power is used up, the tool stops immediately.	Replace the battery with fully charged one.
Light up in blue.	The tool is in reverse operation.	-
Blinks in red for two times.	The motor is too hot.	Remove the battery and let the tool cool down, and then reattach the battery. The tool can work properly again.
Blinks in red for three times.	The motor is failed.	Send to the service center.
Blinks in red for four times.	The connector wire is failed.	Send to the service center.

**Charging the battery -
For Li-ion battery**

[NOTE]

- When charging a cool battery pack (below 0°C (32°F)) in a warm place, leave the battery pack at the place and wait for more than one hour to warm up the battery to the level of the ambient temperature. Otherwise, battery pack may not be fully charged.
 - Cool down the charger when charging more than two battery packs consecutively.
 - Do not insert your fingers / nails into contact hole, when holding charger or any other occasions.
1. Place charger in a relatively cool and well-ventilated area.
 2. Plug charger into the AC outlet.
CAUTION: Ensure that the power source to be utilized conforms to the power requirement specified on the product nameplate.
 3. Turn the battery up-side-down and slide the battery into charger while keeping the alignment marks line up. Slide the forward in the direction of the arrow. Do not force battery as it should slide easily into place with nominal force. Any difficulty doing so would indicate an incorrect alignment.
 4. If the power lamp (red) does not light immediately or goes out soon after the charger is plugged in, consult an authorized dealer.



5. During charging, the charging lamp (green) will start flashing. When charging is completed, an internal electronic switch will automatically be triggered to prevent overcharging.
- Charging will not start if the battery pack is warm. For example, immediately after heavy-duty operation. The yellow standby lamp will be flashing until the battery cools down.
6. If the temperature of the battery pack is 0°C or less, charging takes longer to fully charge the battery pack than the standard charging time. Even when the battery is fully charged, it will have approximately 50% of the power of a fully charged battery at normal operation temperature.
7. Once the battery is fully charged, the green lamp will be lit to indicate the gone into a trickle charge mode.
8. The battery does not charge when placed on its charger. This means that the battery has suffered a “deep” discharge. This can happen when you leave the battery on the screwdriver for a long period of time while the yellow LEDs are lit “battery discharged” (for example, over a weekend). The battery must then be left to rest for at least 48 hours before being put on the charger. If the problem persists, contact Doga after-sales service.

Li-ion battery Pack

[NOTE]

1. Your battery pack is not fully charged at the time of purchase. Be sure to charge the battery before first use.
2. To optimize battery life and avoid damage, remove the battery from the tool when it is not in use for a long period of time (stopping for more than 2 hours) or as soon as the screwdriver LEDs start flashing yellow (yellow LEDs = discharged battery).
3. Recharge the battery pack once every 6 month even if the battery is not in use.

LAMP INDICATIONS

		<p>Red Lit Charger is plugged into the AC outlet. Ready to charge.</p>
		<p>Yellow Flashing</p> <p>(1) When the temperature of the battery is too low ($<0^{\circ}\text{C}(<32^{\circ}\text{F})$), it is in a trickle charge mode until the temperature of the battery goes up to over $0^{\circ}\text{C}(<32^{\circ}\text{F})$. The lamp will change from the Yellow Flashing to Green Flashing automatically and start to charge. (If after 70 minutes, the lamp changes from yellow flashing to yellow lit, consult an authorized dealer.)</p> <p>(2) When the temperature of the battery is too high ($>40^{\circ}\text{C}(104^{\circ}\text{F})$), it is in a trickle charge mode until the temperature of the battery drops to under $40^{\circ}\text{C}(104^{\circ}\text{F})$. The lamp will change from the Yellow Flashing to Green Flashing automatically and start to charge. (If after 70 minutes, the lamp changes from yellow flashing to yellow lit, consult an authorized dealer.)</p> <p>(3) When the voltage of the battery is too low (below 14.4 voltage), it is in a trickle charge mode until the voltage of the battery reaches to the standard value. The lamp will change from the Yellow Flashing to Green Flashing automatically and start to charge. (If after 20 minutes, the lamp changes from yellow flashing to yellow lit, consult an authorized dealer.)</p>
		<p>Yellow Lit The battery and the charger are not connected. If the yellow lit still on after trying re-attach the battery, consul the an authorized dealer.</p>
		<p>Green Flashing Now start charging</p>
		<p>Green Flashing Battery is approximately 50% charged.</p>
		<p>Green Flashing Battery is approximately 80% charged.</p>
		<p>Green Lit Charging is complete. (Fully charged.)</p>

SPECIFICATIONS

MODEL ITEM	BSTP18-3 HD1/4	BSTP18-6 HD1/4
Voltage	18 VDC	18 VDC
Drive Size	6.35 mm Hex. (1/4")	6.35 mm Hex. (1/4")
Screw Size	M3 ~ M4	M3 ~ M5
Torque Range	0.8~3 N-m (7~27 in-lb)	1~6 N-m (9~53 in-lb)
Free Speed	500~1,550 r.p.m	300~1000 r.p.m
Weight W/O Battery	0.95 kg (2.1 lb)	0.95 kg (2.1 lb)
Battery Type	Li-ion 2.0Ah	Li-ion 2.0Ah
Charge Time	Approx. 45 mins	Approx. 45 mins

MODEL ITEM	BSTP18-9 HD1/4	BSTP18-12 HD1/4
Voltage	18 VDC	18 VDC
Drive Size	6.35 mm Hex. (1/4")	6.35 mm Hex. (1/4")
Screw Size	M3 ~ M5	M4 ~ M6
Torque Range	1.5~9 N-m (13~80 in-lb)	2~12 N-m(18~106 in-lb)
Free Speed	300~800 r.p.m	250~600 r.p.m
Weight w/o Battery	0.95 kg (2.1 lb)	0.95 kg (2.1 lb)
Battery Type	Li-ion 2.0Ah	Li-ion 2.0Ah
Charge Time	Approx. 45 mins	Approx. 45 mins

NOISE AND VIBRATION LEVEL DECLARATION (Max. value) EN 60745-2-2

Model : BSTP18-3 HD1/4 、 BSTP18-6 HD1/4

Sound pressure level(no load) L_{pA} : 65.5 dBA Uncertainty K : 1.5 dB
 Sound power level(no load) L_{WA} : 76.5 dBA Uncertainty K : 1.5 dB
 Vibration total value(no load) a_{hd} : 0.4 m/s² Uncertainty K : 1.5 m/s²

Model : BSTP18-9 HD1/4 、 BSTP18-12 HD1/4

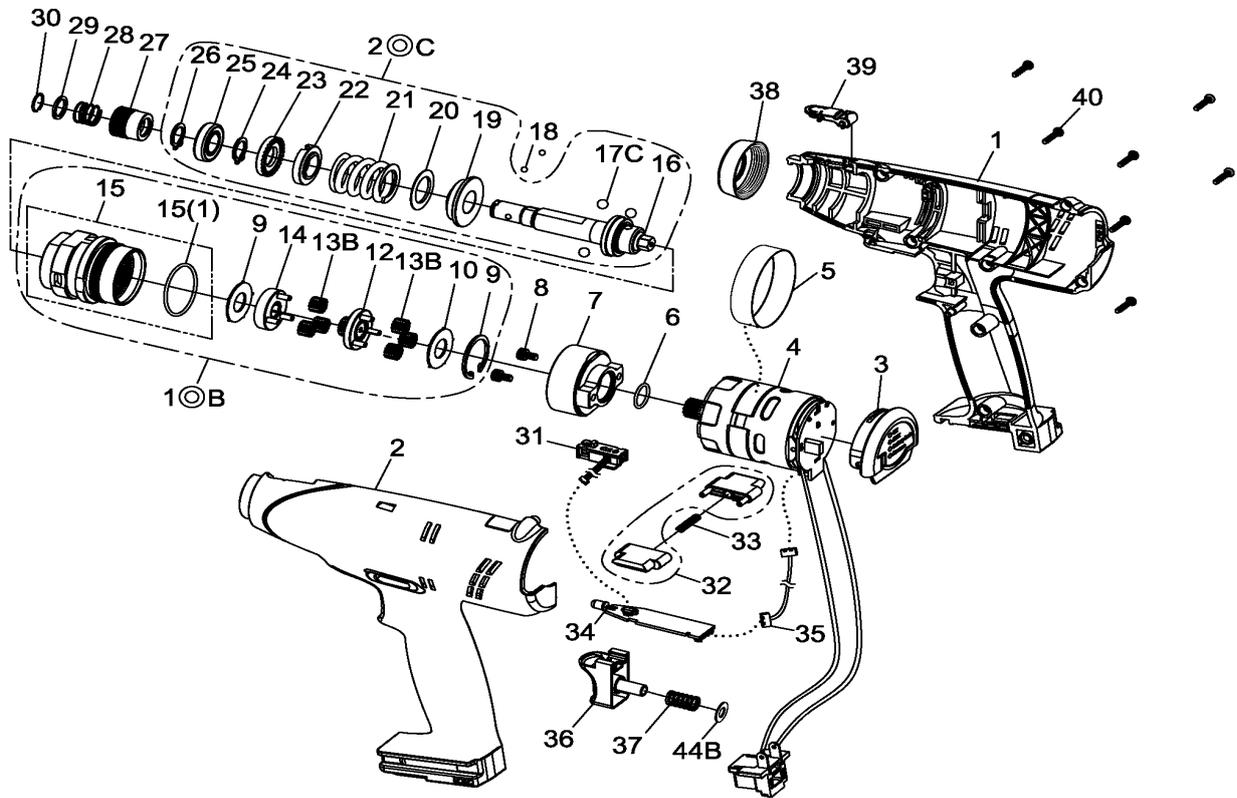
Sound pressure level(no load) L_{pA} : 69.1 dBA Uncertainty K : 1.5 dB
 Sound power level(no load) L_{WA} : 80.1 dBA Uncertainty K : 1.5 dB
 Vibration total value(no load) a_{hd} : 0.5 m/s² Uncertainty K : 1.5 m/s²

The declared vibration total value has been measured in accordance with a standard test method and may be used for comparing one tool with another. The declared vibration total value may also be used in a preliminary assessment of exposure.

WARNING:

- The vibration emission during actual use of the power tool can differ from the declared total value depending on the ways in which the tool is used; and
- Need to identify safety measures to protect the operator that are based on an estimation of exposure in the actual conditions of use (taking account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle in addition to the trigger time).

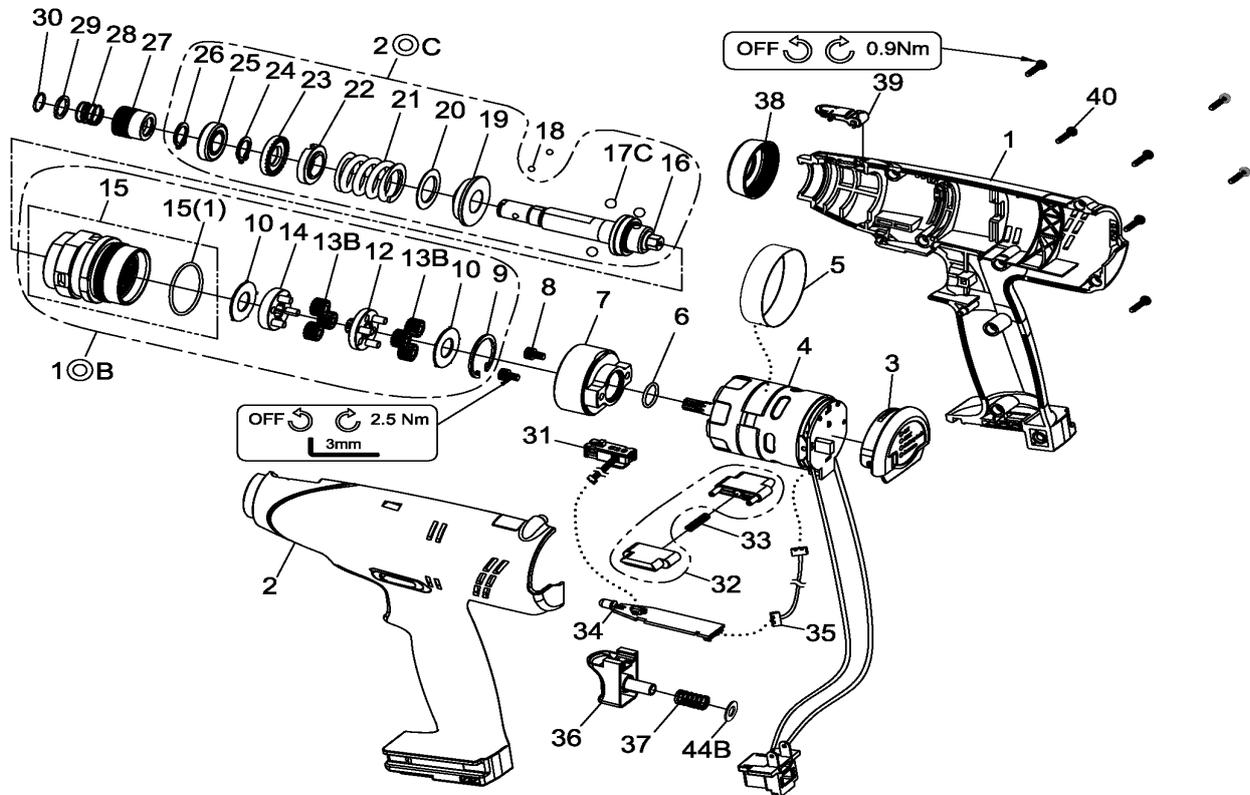
18V Cordless Shut off Screwdriver (1.5~9 N-m)- BSTP 18-3 HD1/4



Instructions manual / BSTP Series

Index No	Part No.	Description	Q'ty	Index No	Part No.	Description	Q'ty
1	C01SC#G2	Upper Housing	1	22	D39SC108B-2	Adjust Washer	1
2	C02SC#G2	Lower Housing	1	23	D54SC108B	Adjust Nut	1
3	B10SC#W2	Cover	1	24	000-3012	Snap Ring (STW-12)	1
4	B83SC3	Brushless Motor ;w/driver	1	25	000-2305	Ball Bearing (6901)	1
5	C39PW15	Ring	1	26	000-3011	Snap Ring (STW-11)	1
6	000-4110	O-Ring ($\psi 16 \times \psi 1.5$)O-Ring ($\psi 16 \times \psi 1.5$)	1	18	000-3833	Steel Ball ($\psi 3$)Steel Ball ($\psi 3$)	2
7	D51SC108B	Motor Holder	1	27	D42ID144A	Quick Change Holder	1
8	000-0243	Screw(M4×6L)Screw(M4×6L)	2	28	D48ID144A	Spring	1
1◎B1◎B	B50SC180B3-2	Gear Box Units	1	29	D39ID144A	Hold Spacer	1
9	000-3126I	Retaining Ring (IRTW-26)Retaining Ring (IRTW-26)	1	30	D44ID144A	Anvil Collar	1
10	D39SC180B-4	Washer	2	31	B75SC	Sensor Assembly	1
12	B51SC180B3-B	Gear Cage Assembly	1	32	B09PW15-1#B1	F/R Valve (1set×2pcs)F/R Valve (1set×2pcs)	1
13B	D49SC180B-2	Planet Gear	6	33	D48PW15-1	Spring	1
14	B51SC180B-7	Gear Plate AssemblyGear Plate Assembly	1	34	E76SC	PC Board	1
15	B50SC180B-1	Gear Box Assembly	1	35	E86SC	Connector Wire	1
	000-4117	(1) O-Ring($\psi 24 \times \psi 1.5$)	1*	36	B09PW15#B1	Trigger Assembly	1
2◎C	B43SC180B3	Clutch Units	1	37	D48PW15	Spring	1
16	B29SC180B	Clutch Assembly	1	38	D54SC#BV	Lock Nut	1
17C	000-3854	Steel Ball ($\psi 7/32''$)	3	39	C10SC108B-2#B1	Cover	1
19	D39SC180B-2	Washer	1	40	000-0930	Screw ($\psi 3 \times 14L$)	7
20	D39SC180B-3	Washer	1	44B	C39PW15-3	Washer	1
21	D48SC108B-2	Spring (Red)	1				

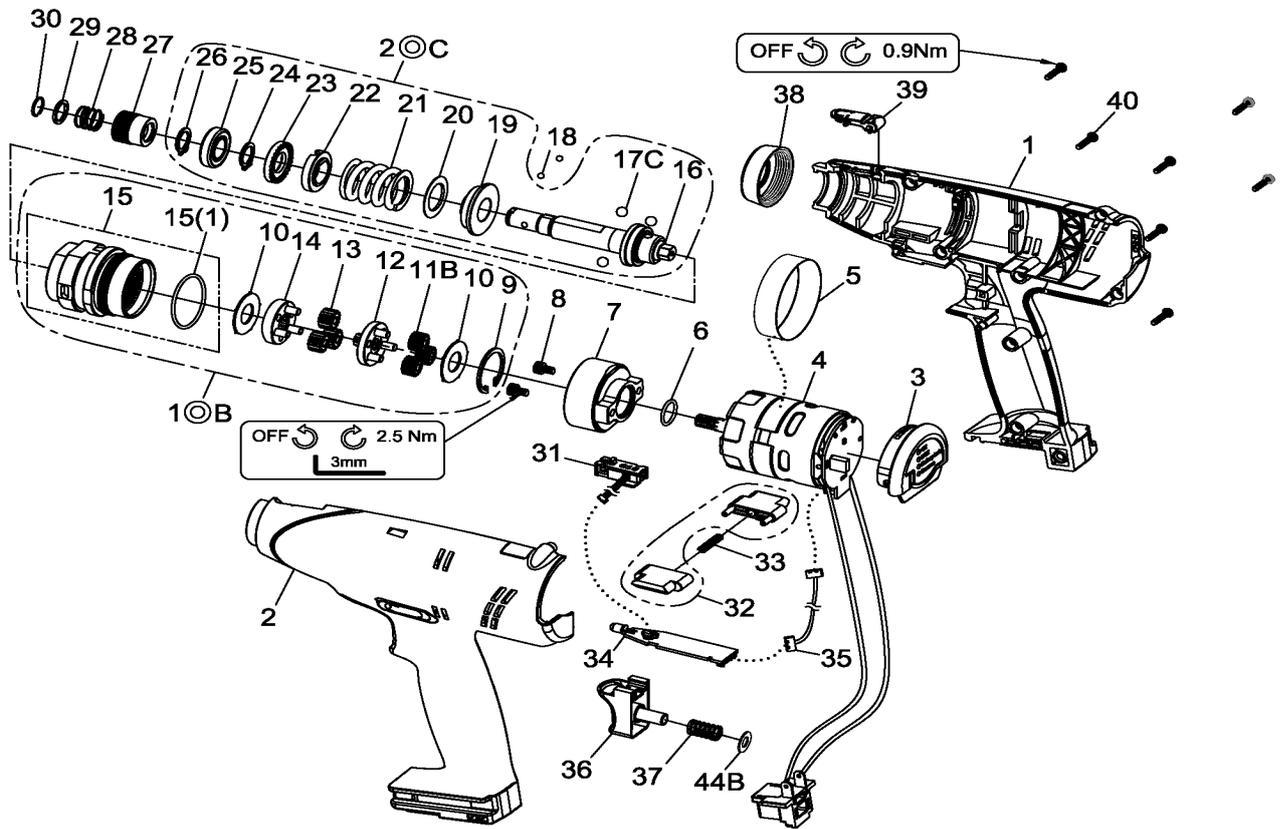
18V Cordless Shut off Screwdriver (1.5~9 N-m)- BSTP 18-6 HD1/4



Instructions manual / BSTP Series

Index No	Part No.	Description	Q'ty	Index No	Part No.	Description	Q'ty
1	C01SC#G2	Upper Housing	1	22	D39SC108B-2	Adjust Washer	1
2	C02SC#G2	Lower Housing	1	23	D54SC108B	Adjust Nut	1
3	B10SC#W2	Cover	1	24	000-3012	Snap Ring (STW-12)	1
4	B83SC6	Brushless Motor ;w/driver	1	25	000-2305	Ball Bearing (6901)	1
5	C39PW15	Ring	1	26	000-3011	Snap Ring (STW-11)	1
6	000-4110	O-Ring ($\psi 16 \times \psi 1.5$)O-Ring ($\psi 16 \times \psi 1.5$)	1	18	000-3833	Steel Ball ($\psi 3$)Steel Ball ($\psi 3$)	2
7	D51SC108B	Motor Holder	1	27	D42ID144A	Quick Change Holder	1
8	000-0243	Screw(M4×6L)Screw(M4×6L)	2	28	D48ID144A	Spring	1
1◎B1◎B	B50SC180B6-2	Gear Box Units	1	29	D39ID144A	Hold Spacer	1
9	000-3126I	Retaining Ring (IRTW-26)Retaining Ring (IRTW-26)	1	30	D44ID144A	Anvil Collar	1
10	D39SC180B-4	Washer	2	31	B75SC	Sensor Assembly	1
12	B51SC180B6-B	Gear Cage Assembly	1	32	B09PW15-1#B1	F/R Valve (1set×2pcs)F/R Valve (1set×2pcs)	1
13B	D49SC108B-9	Planet Gear	6	33	D48PW15-1	Spring	1
14	B51SC180B-6	Gear Plate AssemblyGear Plate Assembly	1	34	E76SC	PC Board	1
15	B50SC180B-1	Gear Box Assembly	1	35	E86SC	Connector Wire	1
	000-4117	(1) O-Ring($\psi 24 \times \psi 1.5$)	1*	36	B09PW15#B1	Trigger Assembly	1
2◎C	B43SC180B6	Clutch Units	1	37	D48PW15	Spring	1
16	B29SC180B-1	Clutch Assembly	1	38	D54SC#BV	Lock Nut	1
17C	000-3854	Steel Ball ($\psi 7/32''$)	3	39	C10SC108B-2#B1	Cover	1
19	D39SC180B	Washer	1	40	000-0930	Screw ($\psi 3 \times 14L$)	7
20	D39SC180B-3	Washer	1	44B	C39PW15-3	Washer	1
21	D48SC108B-4	Spring (Blue)	1				

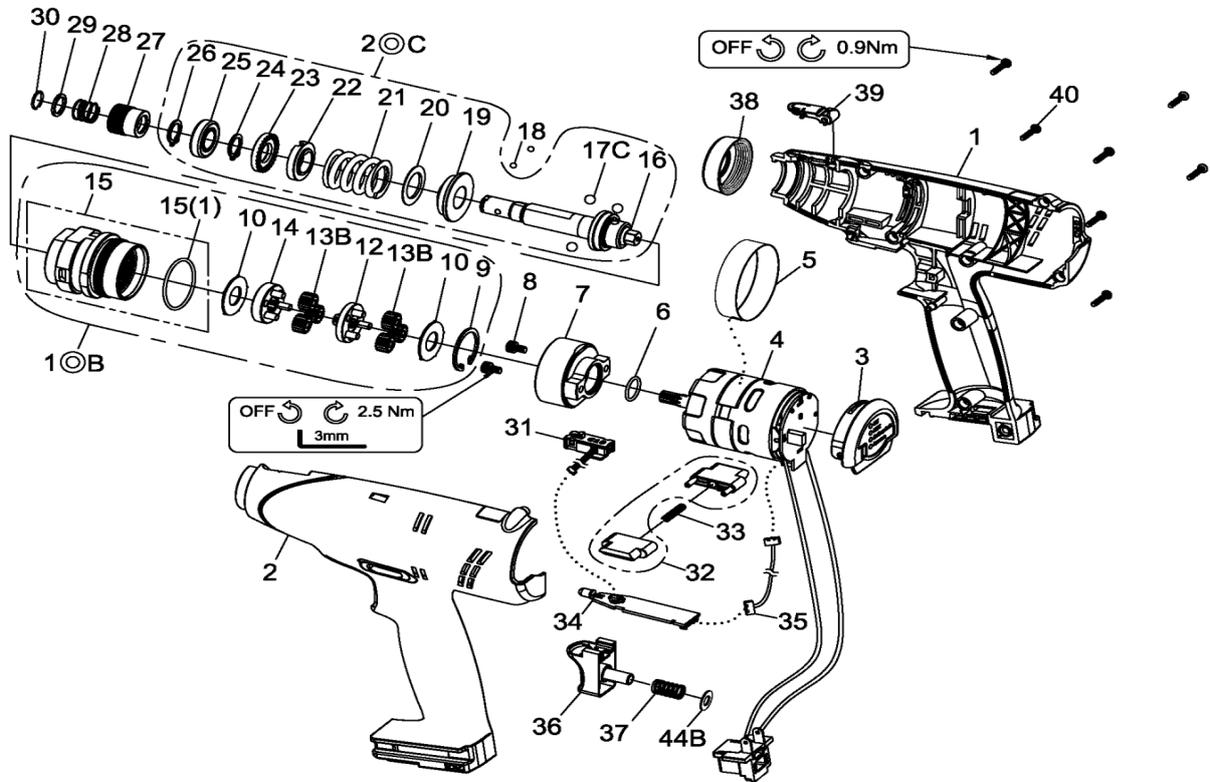
18V Cordless Shut off Screwdriver (1.5~9 N-m)- BSTP 18-9 HD1/4



Instructions manual / BSTP Series

Index No	Part No.	Description	Q'ty	Index No	Part No.	Description	Q'ty
1	C01SC#G2	Upper Housing	1	21	D48SC108B-3	Spring (Yellow)	1
2	C02SC#G2	Lower Housing	1	22	D39SC108B-2	Adjust Washer	1
3	B10SC#W2	Cover	1	23	D54SC108B	Adjust Nut	1
4	B83SC9	Brushless Motor ;w/driver	1	24	000-3012	Snap Ring (STW-12)	1
5	C39PW15	Ring	1	25	000-2305	Ball Bearing (6901)	1
6	000-4110	O-Ring ($\psi 16 \times \psi 1.5$)	1	26	000-3011	Snap Ring (STW-11)	1
7	D51SC108B	Motor Holder	1	18	000-3833	Steel Ball ($\psi 3$)	2
8	000-0243	Screw(M4×6L)	2	27	D42ID144A	Quick Change Holder	1
1◎B1◎B	B50SC180B9-2	Gear Box Units	1	28	D48ID144A	Spring	1
9	000-3126I	Retaining Ring (IRTW-26)Retaining Ring (IRTW-26)	1	29	D39ID144A	Hold Spacer	1
10	D39SC180B-4	Washer	2	30	D44ID144A	Anvil Collar	1
11B	D49SC108B-9	Planet Gear	3	31	B75SC	Sensor Assembly	1
12	B51SC180B9-B	Gear Cage Assembly	1	32	B09PW15-1#B1	F/R Valve (1set×2pcs)	1
13	D49SC108B-8	Planet Gear	3	33	D48PW15-1	Spring	1
14	B51SC180B-5	Gear Plate Assembly	1	34	E76SC	PC Board	1
15	B50SC180B-1	Gear Box Assembly	1	35	E86SC	Connector Wire	1
	000-4117	(1) O-Ring($\psi 24 \times \psi 1.5$)	1*	36	B09PW15#B1	Trigger Assembly	1
2◎C	B43SC180B9	Clutch Units	1	37	D48PW15	Spring	1
16	B29SC180B	Clutch Assembly	1	38	D54SC#BV	Lock Nut	1
17C	000-3854	Steel Ball ($\psi 7/32''$)	3	39	C10SC108B-2#B1	Cover	1
19	D39SC180B	Washer	1	40	000-0930	Screw ($\psi 3 \times 14L$)	7
20	D39SC180B-3	Washer	1	44B	C39PW15-3	Washer	1

18V Cordless Shut off Screwdriver (2~12 N-m)- BSTP 18-12 HD1/4



Instructions manual / BSTP Series

Index No	Part No.	Description	Q'ty	Index No	Part No.	Description	Q'ty
1	C01SC#G2	Upper Housing	1	22	D39SC108B-2	Adjust Washer	1
2	C02SC#G2	Lower Housing	1	23	D54SC108B	Adjust Nut	1
3	B10SC#W2	Cover	1	24	000-3012	Snap Ring (STW-12)	1
4	B83SC12	Brushless Motor ;w/driver	1	25	000-2305	Ball Bearing (6901)	1
5	C39PW15	Ring	1	26	000-3011	Snap Ring (STW-11)	1
6	000-4110	O-Ring (ψ16×ψ1.5)	1	18	000-3833	Steel Ball (ψ3)	2
7	D51SC108B	Motor Holder	1	27	D42ID144A	Quick Change Holder	1
8	000-0243	Screw(M4×6L)	2	28	D48ID144A	Spring	1
1◎B1◎B	B50SC180B12-2	Gear Box Units	1	29	D39ID144A	Hold Spacer	1
9	000-3126I	Retaining Ring (IRTW-26)Retaining Ring (IRTW-26)	1	30	D44ID144A	Anvil Collar	1
10	D39SC180B-4	Washer	2	31	B75SC	Sensor Assembly	1
12	B51SC180B12-B	Gear Cage Assembly	1	32	B09PW15-1#B1	F/R Valve (1set×2pcs)	1
13B	D49SC108B-8	Planet Gear	6	33	D48PW15-1	Spring	1
14	B51SC180B-5	Gear Plate AssemblyGear Plate Assembly	1	34	E76SC	PC Board	1
15	B50SC180B-1	Gear Box Assembly	1	35	E86SC	Connector Wire	1
	000-4117	(1) O-Ring(ψ24×ψ1.5)	1*	36	B09PW15#B1	Trigger Assembly	1
2◎C	B43SC180B12	Clutch Units	1	37	D48PW15	Spring	1
16	B29SC180B	Clutch Assembly	1	38	D54SC#BV	Lock Nut	1
17C	000-3854	Steel Ball (ψ7/32")	3	39	C10SC108B-2#B1	Cover	1
19	D39SC180B	Washer	1	40	000-0930	Screw (ψ3×14L)	7
20	D39SC180B-3	Washer	1	44B	C39PW15-3	Washer	1
21	D48SC108B-7	Spring	1				



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