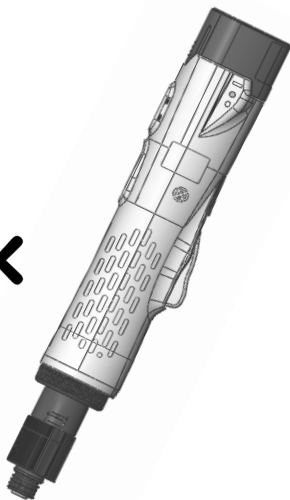




**Automatic Industrial Cordless Brushless
Power Torque Screwdrivers Series
OPERATION AND MAINTENANCE MANUAL**

OK  X



**MYBT-ASP0520
MYBT-ASP1030
MYBT-ASP2045**

Rechargeable -TYPE Automatic Brushless Series

SAING EI CORP.

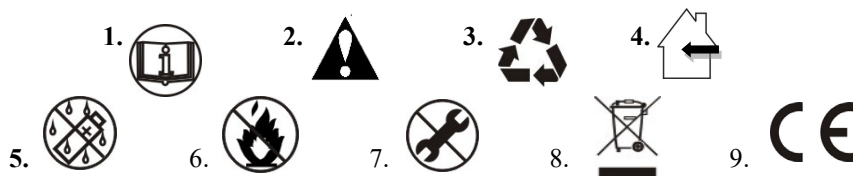
<https://www.mytorqtools.com>



Y2F151A-15E-002

Before you use the Cordless Screwdriver for the first time, it is essential to read and understand the manual completely (including the spare parts view). The term “Cordless Screwdriver” in all of the warning listed below refers to your main operated appliance.

Icon Instructions



1. Read instruction manual.
2. Observe caution and safety notes.
3. Recyclable.
4. For indoor use only.
5. Do not expose to wet or rain conditions.
6. Do not operate in an explosive atmosphere.
7. Do not disassemble.
8. Forbid to throw away.
9. CE certification.

Accessories

Item	Quantity	Unit
Manual	1	PCS
Waist hook	1	PCS
Driver hook	1	PCS
Screw M3*0.5P*8L	1	PCS
Bit	2	PCS
Guarantee Card	1	PCS

Warning

Read all instructions and make sure the appearance of the device has no damage before you use it. Failure to follow all instructions listed below may result in electric shock fire and/or serious injury.

1. Keep the working area nice and clean.
 - 1.1 Mess and dark areas may cause of accidents.
 - 1.1 Keep the device away from rain or moisture to decrease the risk of electric shock or short-circuiting occurred.
2. Be alert to workplace safety
 - 2.1 Use the device under a well lit and clean environment.
 - 2.2 Keep children and other people away unless the person has been assigned for the task to avoid the danger of injury.
 - 2.3 Do not play around while the tool is being used to avoid the danger of distractions.
 - 2.4 Do not work with the device in potentially explosive environments in which there are inflammable liquids, gases or dusts. Electrical power tools create sparks, which can ignite dusts or fumes.
 - 2.5 Do not use the device if you are tired or under the influence of drugs, alcohol or medication.
3. When the devices are not being used, store them in a safe place.
4. Use a suitable device for the job will be safer at work and have a better result.
5. Always use a screwdriver that is intended for the task you are undertaking. Do not overload or use it improperly such as drilling or tapping.
6. Dress properly. Do not wear loose clothing or jewels while operating the tool to avoid the danger of trapping.
7. By using the device correctly, make sure to hold it firmly with two hands in place before starting the trigger.
8. When using the electrical power tool, take into account the auxiliary handle or waist hook is advantage of working conditions. On the contrary, the purposes of the waist hook or driver hook is convenient to put the device away and easier to keep it out of reach of children.
9. Look after either the device or the battery carefully and have any damaged parts repaired by an authorized or qualified shop. Always keep the tool nice and clean; pay attention on the machine grease which might ruin the tool.
10. Disconnect the plug from the power source after the charger has been used.
11. Take apart the battery from the device when it is not being used.
12. Use only the accessories that are detailed in the operating instructions. The use of others which are not recommended in the operating instructions may affect the functioning of the device. It could lead to an increased risk of personal injury as well.
13. Remain alert at all times and watch what you are doing during proceeding. Before operation, always check every part is in good condition and move freely in order to function properly.
14. This device only applies for metal screw bits designated with their dimensions and their shape. Do not recommend to countersink or force of loading on any material such as plastic and wooden.
15. The device does not apply for elastic or tensile load with washer on.
16. To prevent parts in gearbox from damage, replace the grease at least once for every year.
17. It is necessary for the operators to read and follow up all the operating instructions in this manual. SAING EI is not responsible for any personal injury that might cause of disobeying the safety advice.
18. Use a safety device. Wear protective earmuffs to reduce personal injury.

19. Noise:

The typical A-weighted noise level acc. To EN62841-2-2

.Sound pressure level(LpA): 53.6 dB(A)

.Sound power level(LwA): 64.6 dB(A)

Vibration:

The vibration total value acc. EN62841-2-2

.Vibration emission value ah (m/s²): 0.17 m/s²

.Uncertainty K (m/s²): 0.02 m/s²

Cordless Tool Protections

■ Over electric current protection

■ Prevent from low power

■ Thermal Protector

■ Stall protection

■ Slow rotation protection

■ Sleep & power saving mode

■ Battery Identification

■ Start operation protection: The screwdriver cannot switch the opposite direction during operation

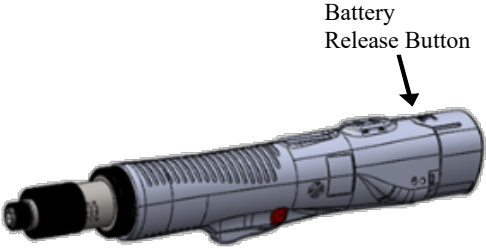
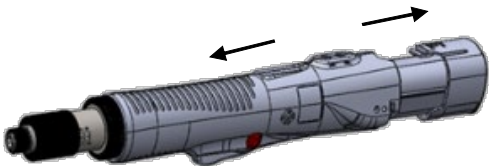
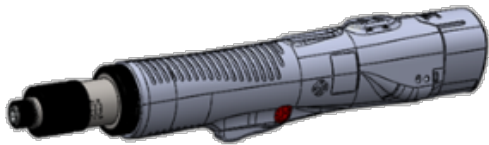
Warning

 **Do not attempt to repair or disassemble this cordless screwdriver, the warranty will be considered void.**

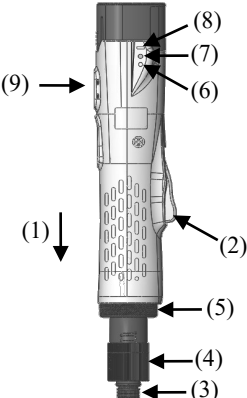
1. To maintain the tool, make sure to remove the battery pack before maintaining or repairing the device by a qualified technician.
2. Do not attempt to disassemble or reassemble the device it may result in poor performance or danger of injury; the warranty applies only to initial package.
3. Do not repair the device with other than genuine SAING EI replacement parts may result in poor performance or danger of injury, the warranty will be considered void.
4. temperature between 0° C ~ 35° C would be an ideal condition of carrying out the tasks on the device.

Operating Instructions

1. Charge the battery in the charging station before first use to make sure operates at its highest capacity. To ensure operators against injuries, Don't Press Pressure plate trigger before start or disassemble the device and push down screwdriver.
2. Follow below steps to correctly install & remove battery.

Insert Battery Steps	Remove Battery Steps
(1) Take screwdriver and battery. 	(1) Press the release button and take it out of the Device. 
(2) Insert the rechargeable battery into the device follow by the arrow as showing. 	(2) Follow the arrow direction. 
(2) Follow the arrow direction. 	(3) Removed completely. 

Function / Operating Introduction

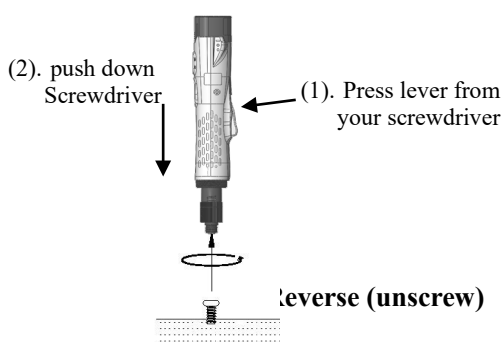
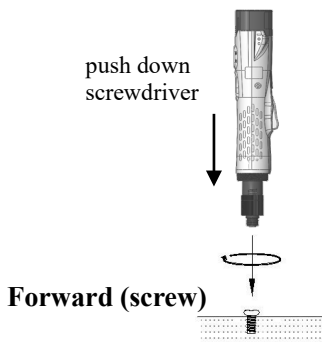
Function Name Figure	No.	Description
	(1)	push down the screwdriver to start
	(2)	Trigger Switch
	(3)	Bit Sleeve
	(4)	Torque Fixing Ring
	(5)	Torque Fixing Ring/Coupler
	(6)	Driver Hook
	(7)	S waist Screw Hole
	(8)	S Waist Hook
	(9)	OK/NG/Power/Hi & Lo Indicating Light

Manual / Function

1. Full Auto Shut-Off Screwdriver

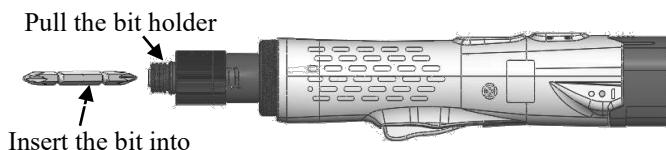
It stops automatically when the screw has been tightened up and reached the set-up torque level. The device will not cause damage of task since no continue running after screws are tightened.

- (1) MYBT-ASP0520 series are push start type cordless screwdriver. Holding screwdriver (without press lever) push it all the way down to your object and at this moment screwdriver's bit is making clockwise turn. The screwdriver can be shut off by either stop pushing or when screw has been tightened up.
- (2) Lever: It will enable reverse mode by press lever on MYBT-ASP0520 series. To do so:
 - (a.) Press lever from your screwdriver.
 - (b.) Push screwdriver against to your object and at this moment screwdriver's bit is turning counterclockwise. To stop spinning by stop pushing screwdriver.
 - (c.) It will not change bit's spinning direction if leave or press lever during pushing screwdriver.



(3) Bit Sleeve

To Switch the bit and compatibility, pull the head of the type B screwdriver, and install the bit according to the diagram below, and push it in following the arrow indicated on the diagram.



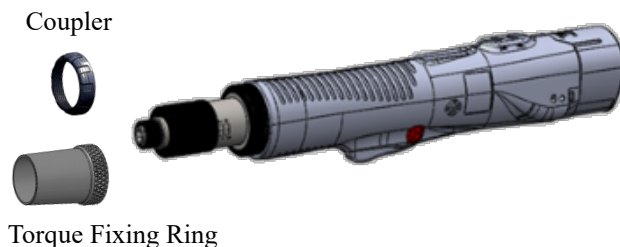
(4) Torque Adjustment Ring:

Turn torque adjust ring counter clock wise to increase torque output, on the other hand decrease torque output by turning torque adjust ring clock wise. 0 printed on the torque adjust ring indicates the minimum torque for setting and 8 for the maximum torque setting. Do not turn torque adjust ring lower than 0 or higher than 8 to avoid torque adjust ring getting stuck with clutch.

(5) Torque Fixing Ring/Coupler

5-1 Torque Fixing Ring: To prevent torque to be adjusted, fixed upside-underside housing and clutch.

5-2 Coupler: Fixed upside-underside housing and clutch.



(6) Driver Hook

It is convenient for the production lines efficiently to have spring balancers to work together with the tools to be more.

(7) S Waist Screw Hole

(8) Waist Hook

The waist hook allows users to carry the device easily by attaching it to their work belt.

(9) OK/NG/Beep Sound Indicating Light Explanation

Signal Indicator Sound Judgment		Start	Release switch to stop running	Screw reaches set torque	Screw NG	Current Protection
Signal Indicator 	Running	No lights	1 red	1 green	3 red	6 red
	Stop	No lights	No lights	No lights	No lights	No lights
Beep Sound		No	1 short	NO	3 shorts	6 shorts

Protection:

1. **Protection at low voltage:** short beeps come with red-light flashing when enable screwdriver, and then disable screwdriver that both beeps and red-light flashing keep going for 5 seconds which means the battery's voltage now is low. If screwdriver could not be started by pushing it and come with 2 short/ 1 long beeps plus red-light flashing the battery is now out of power; moreover, followed by the above situation then release screwdriver from pushing, both beeps and red-light flashing signs will remain the same. (The screwdriver will not detect battery power when enable motor and PCBs' temperature protection.)

CAUTION!!

Low battery indicator on: When low battery protected indicator on, screwdriver can not reach to its maximum torque setting. Please change battery pack or charge it.

2. **Temperature Protection:** When red-light begins flashing along with beeps for 9 times the screwdriver will be locked.

3. **Sleep & Power Saving Mode:** It will enter sleep mode when the screwdriver stopped for about 5 seconds, press the lever can wake up sleep. The power will be cut off when sleep more than 24 seconds, press the switch can restore power.

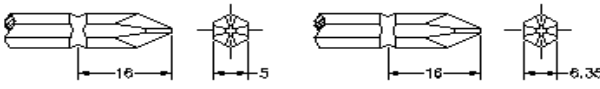
Other Cautions

1. The best condition of using the tool is under 8 hours a day, do not over loaded. according to operating frequency and torque loaded, we suggest adding lubricating oils in clutch per 3-6 months, and kindly contact with distributor when product's maintenance.
2. Do not attempt to repair or disassemble this cordless screwdriver without authorization. Always have the device serviced by assigned factory or qualified person in order to have the warranty effective continually.
3. SAING EI is not responsible for any poor performance or damage caused by customers own modification of the tool.
4. It is necessary for the management to have every operator to read and follow all instructions in this manual. Do not attempt to repair or disassemble this cordless screwdriver themselves.
5. Chemicals, Acetone, Benzene, Alcohol, Thinner, Ketone, trichloroethylene, etc. shall not be in contact with the surface of the screwdriver in order to prevent chemical damage.
6. Please follow instruction carefully and do not drop or shock the screwdriver.
7. This is an external torque adjustment screwdriver, 0 on the torque adjust ring stands for minimum torque and 8 for maximum torque. The rated operation time is 1 second / 3seconds (ON / OFF). Appropriate fastening frequency is 15 fasteners in each minute. Overrunning may damage motor due to overheat. Proper amount of screwdriver resting is recommended to prevent motor overheating.

Slow speed (rpm)	operation frequency	Slow speed (rpm)	operation frequency	Slow speed (rpm)	operation frequency	Slow speed (rpm)	operation frequency
900	1.0 ON 3.0 OFF	650	1.0 ON 3.0 OFF	450	2.0 ON 5.0 OFF	250	2.0 ON 5.0 OFF
850	1.0 ON 3.0 OFF	600	1.0 ON 3.0 OFF	400	2.0 ON 5.0 OFF	200	2.0 ON 5.0 OFF
800	1.0 ON 3.0 OFF	550	2.0 ON 5.0 OFF	350	2.0 ON 5.0 OFF	150	2.0 ON 5.0 OFF
750	1.0 ON 3.0 OFF	500	2.0 ON 5.0 OFF	300	2.0 ON 5.0 OFF	100	2.0 ON 5.0 OFF
700	1.0 ON 3.0 OFF						

8. The screwdriver could not be used before end of OK/ NG beeps and light signal.
9. For your safety stop operating your screwdriver in any time during torque adjustment and be aware of mistouch any trigger from your screwdriver.
10. Each operational torque setting, using time and frequency may result in different level of wear and tear, at higher torque setting and use extensively could accelerate the wearing down of tool. After one month, the torque is getting reduce gradually at the rate of 2~3% or 3~5 % (max torque). The longer use of the device, torque reduction will become stable and the users could measure the torque by a tester on a regular time schedule to check if the torque power still meets the criteria.
11. The torque range of MYBT-ASP0520 series must be measured by the SAING EI torque meter KTM-150.
12. SAING EI cordless screwdriver torque output is generated by clutch mechanism, and it is applicable to ISO 6789.

Specifications

MODEL		MYBT-ASP0520	MYBT-ASP1030	MYBT-ASP2045
INPUT VOLTAGE(DC)		DC 10.8V		
TORQUE (N.m)	hard joints	0.5-2	1-3	2-4.5
	soft joints 80%↓	0.5-1.6	1-2.4	2-3.6
Torque accuracy (%)		±3%		
Torque adjustment		Stepless		
Duty cycle		1.0s ON 3.0s OFF		
Unloaded Speed (min ⁻¹)±10%	HI	1200	1200	700
	LO	850	850	500
Screw size (mm)	Machine screw	2.3~3.5	2.6~4.0	4.0~5.0
Weight (g)		720g (contain battery)		
Length (mm)		300mm (contain battery)		
Model of Torque Fixing Ring		KC-28A		
Model of Suspension Rack		KH-1		
Applicable battery		SKC-LB1030S		
Applicable charger station		MYCS-ID50		
Applicable Bit type		 HEX 5mm, HEX 6.35mm		

* 1N.m=10.2Kgf.cm 1N.m=8.85Lbf.in

Bits Code ~ B: Hex 6.35mm

Accessory ~ B it no. : No.2 · · · Bit use in dia 3.0~4.0mm screw

MYBT-ASP0520

with BIT

1# & 2#

1 Pcs. Each.

MYBT-ASP1030/ MYBT-ASP2045

with BIT

2#

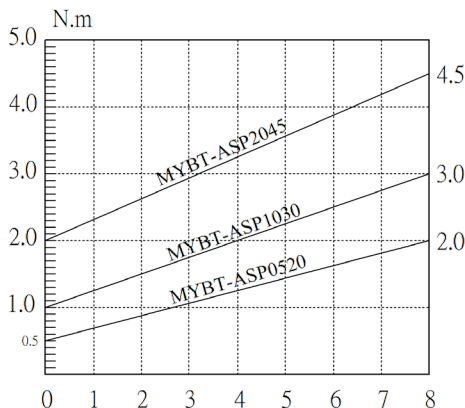
2 Pcs.

CAUTION 
SAVE THE INSTRUCTIONS
DO NOT DESTROY

Torque Adjustment Operation

To adjust the torque on these screwdrivers. Proceed as follows :

1. Determine the torque output of the tool by checking a tightened fastener with a torque wrench.
2. Increase or decrease the torque by rotating torque Adjusting Ring. Rotating the Ring clockwise to a higher number on the torque Scale increase torque output while rotating the Ring counterclockwise to a lower number decreases the torque output.
3. Check the adjustment with a torque wrench. A number of factors will affect torque output from one job to another. Final torque adjustment should be made at the job through a of series of gradual increase. Always start below the desired torque and work upward.
4. Adjust the bit torque by changing the driving in length of the adjust ring at the end.
5. The relationship between torque scale and bit torque is as shown Ring, in the torque diagram. The figures of torque scale do not indicate bit torque values. However, the clamping torque of screw itself is different form type, size, material of the screw and the material of its mating part. Use it as standard to obtain an appropriate clamping torque.
6. The (Return torque method) in which once-clamped screw is returned with torque wrench or the like is available as one of torque control methods, however, note that the measured values by the return torque method generally appear in 10%~30% lower than the actually clamping torque.
7. The torque checker measures the torque of screwdriver. The clamping torque of screw itself is different from the clamped conditions. Understand the correlation between clamping torque values and the torque checker values perform the torque control properly.



CAUTION

1. In reverse rotation, the clutch is turned off when a screw is tightened at large torque, set same or higher torque to unscrew.
2. The number from zero to eight on the Torque Scale are reference number only and not an indication of actual torque output.
3. Please refer to SAING EI website <https://www.myltorqtools.com> for the detail component list.

Our company reserves the right to modify the product without prior notice.