

Brushless Screwdriver with Hammer head model

VBH series (with Shock-less Stand)

VBH-1820PS·VBH-3012PS

Operation Manual

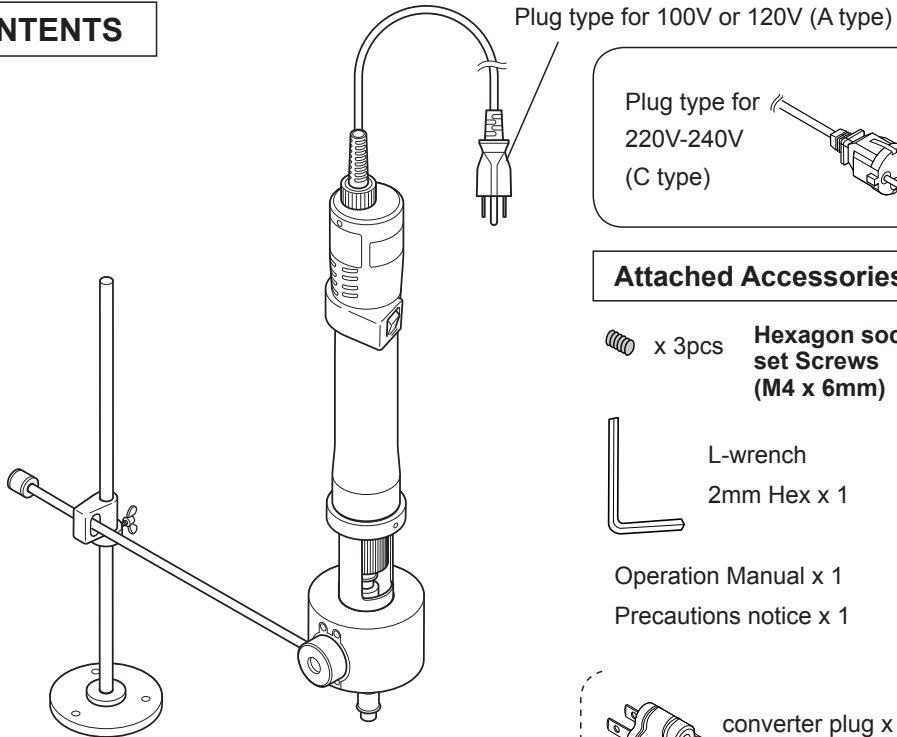
(As of October 2016)

Operation Manual No.ET-A052 16A

Thank you for purchasing HIOS VBH series screwdriver. Please read this operation manual thoroughly before use to ensure proper operation. Store this manual in a safe place for future reference.

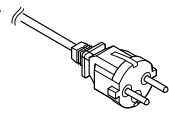
Please confirm following accessories attached with this product before using.

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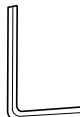
VBH Hammer head screwdriver
(with Shock-less Stand)

Plug type for
220V-240V
(C type)

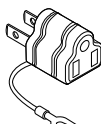


Attached Accessories

 x 3pcs **Hexagon socket set Screws (M4 x 6mm)**

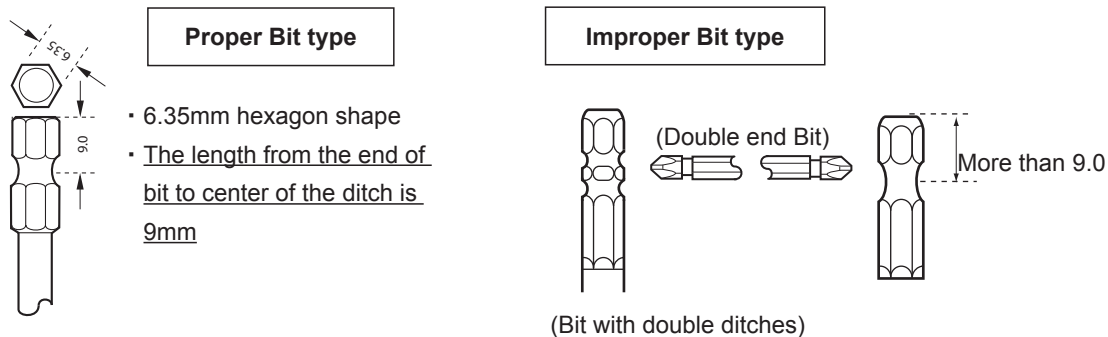
 L-wrench
2mm Hex x 1

Operation Manual x 1
Precautions notice x 1

 converter plug x 1
*Attached with
100V type only

<Precautions>

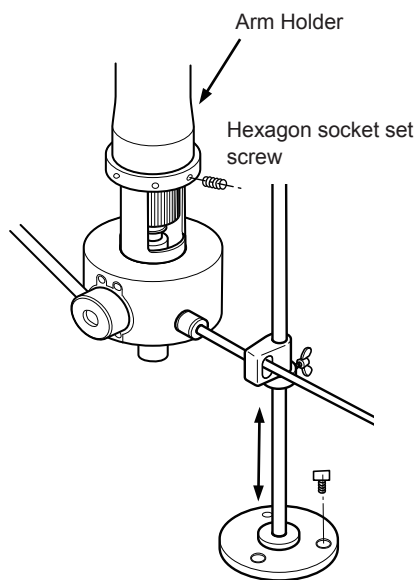
1. Do not connect this tool to the power outlet when attach or remove the bit.
During the tool is not in use, please slide FOR/REV switch to **OFF(Neutral position)** to avoid unintentional starting.
2. Hold the shock-less stand with bolt firmly on the work benches.
3. Please prepare the bit which type is according as following standard.
NOTE: Do not attach improper type of bit avoid screwdriver to be broken down.



4. Avoid any location that is wet, moist or oily.
Never use the screwdriver in the place where there is a lot of dust, debris, oil or corrosive gas.
Otherwise an electric shock or damage might be caused in the place with high humidity in particular.
5. Please use the screwdriver carefully due to avoid drop off.
6. Before changing rotation way from Forward to Reverse, please make motor to be stopped by sliding FOR/REV switch to OFF(Neutral position).

<Usage Procedure>

1. The way of driver grip can be adjustable after take off 3pcs of hexagon socket set screws from the arm holder.
After adjusting of the grip position or the way of slide arm, please fix it again with hexagon socket set screws.
 2. Please hold the stand base at 3points by bolts.
Make sure it to be hold firmly to withstand large shock.
 3. Set up the height of the slide arm.
Put the prop through the shock-less holder and tighten the wing bolt at the demanding height of the slide arm to hold.
- *NOTE: Each set screws are sometimes loosen due to tightening shock. Please check them periodically.



4. Insert the bit to the screwdriver.

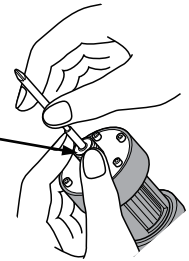
Push down the joint shaft collar at the end of the driver upwards and insert the bit.

Check the bit not to come loose after that.

***NOTE:**

Please make sure whether the bit size# is proper for the screws to avoid damaging the screw recess.

Insert a bit during pushing down the joint shaft collar.



5. Torque Adjustment

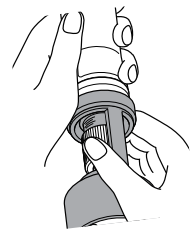
Adjust the torque adjusting nut(T/A nut) to the appropriate Level by following to “the Approx. Guidance of Output Torque” on this book.

The scale on the guidance is assuming same scale on the torque adjusting nut of the screwdriver.

***NOTE:**

Please make sure the exact output torque value by using Torque meter* due to the value on the guidance is

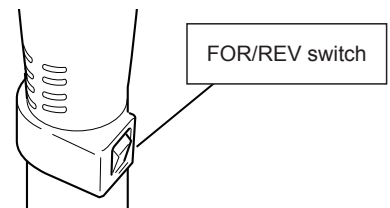
just for your reference.



6. Connect AC plug to the power outlet.

7. Please confirm the rotation way as slide the FOR/REV switch to “FOR” or “REV” side.

As for the driver with PUSH to start will be worked when the screw is pressed by bit inserted on the screwdriver.



8. Please tighten the screw for a trial before using indeed.

Please make sure the exact output torque value by using Torque meter* and adjust T/A nut until achieve the target torque.

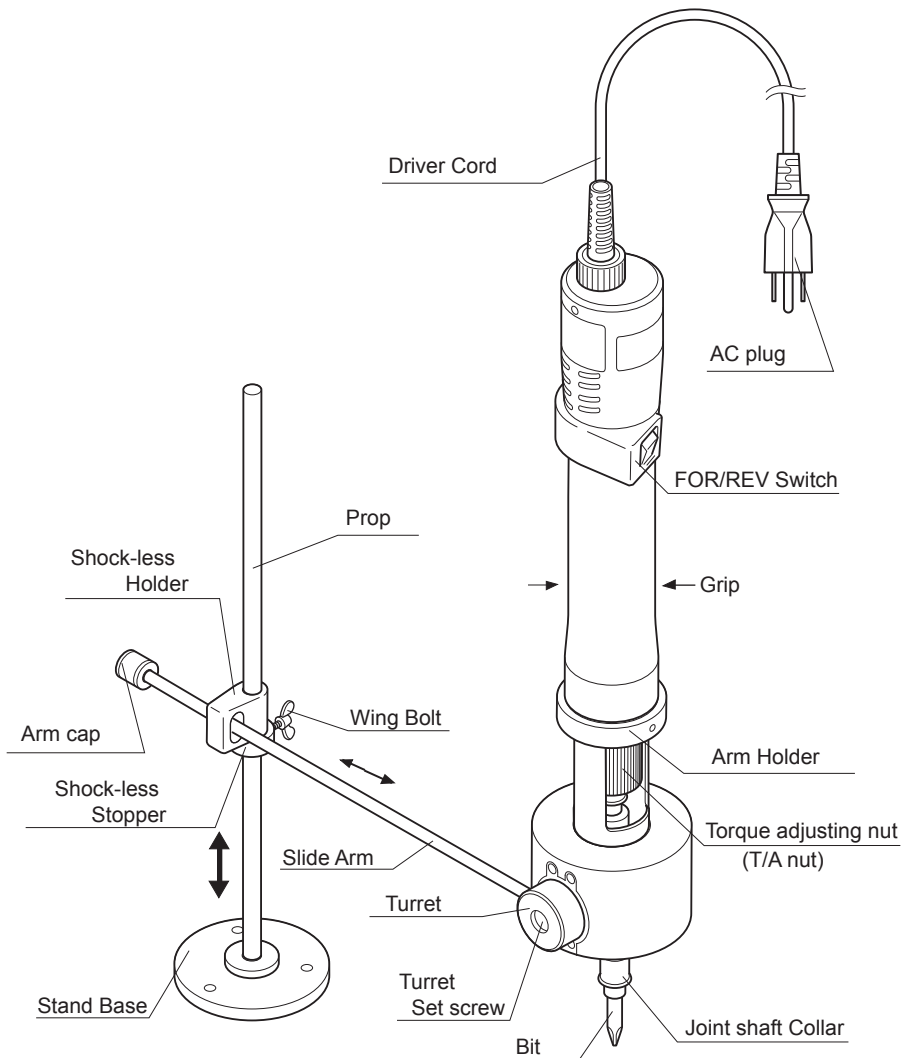
9. If in case of loosening the tightened screw, please slide the FOR/REV switch to “REV”.

The tightened screw can be loosened by the driver with several times impact.

*We recommend using HIOS Torque Meter for torque checking or setting output torque of a screwdriver.

- Measuring slack torque of tightened screws or torque increase …… HDP series
- Making torque setting on an electric screwdriver, checking output torque of tools …… HP series

Structure of VBH series



Length of Slide Arm (mm)		530 (475)
() is the active range of sliding		
Height of Prop (mm)		570
Stand Base (mm)	Height	8
	Internal dia. of hole	6
	Interval length of holes	52 a triangle (L) on a side

Specification of VBH driver

Model		VBH-1820PS	VBH-3012PS
Power Input / Power consumption (W)		AC 100V±5% Approx. 40W	AC 100V±5% Approx. 40W
		AC 120V±5% Approx. 40W	AC 120V±5% Approx. 40W
		AC 220-240V±5% Approx. 32W	AC 220-240V±5% Approx. 32W
Output Torque Range	N·m	3.0 - 7.0	4.0 -10.0
	(kgf·cm)	(30-70)	(40-100)
Unloaded Rotation Speed (r.p.m±5%)		470	270
Screw Size (mm)		5.0 – 6.0	5.0 - 6.0
Dimension(mm) Grip dia. / Total Length		Φ39 / 366mm	
Weight (kg)		1.9 kg (Including "driver cord" and "slide arm")	
Bit Type		1/4 HEX	
AC Cord Length (m)		3m	

■ Approx. Guidance of Output Torque

