

BLG-Series Operating Instructions

Rev 1.0 (5/13/13)



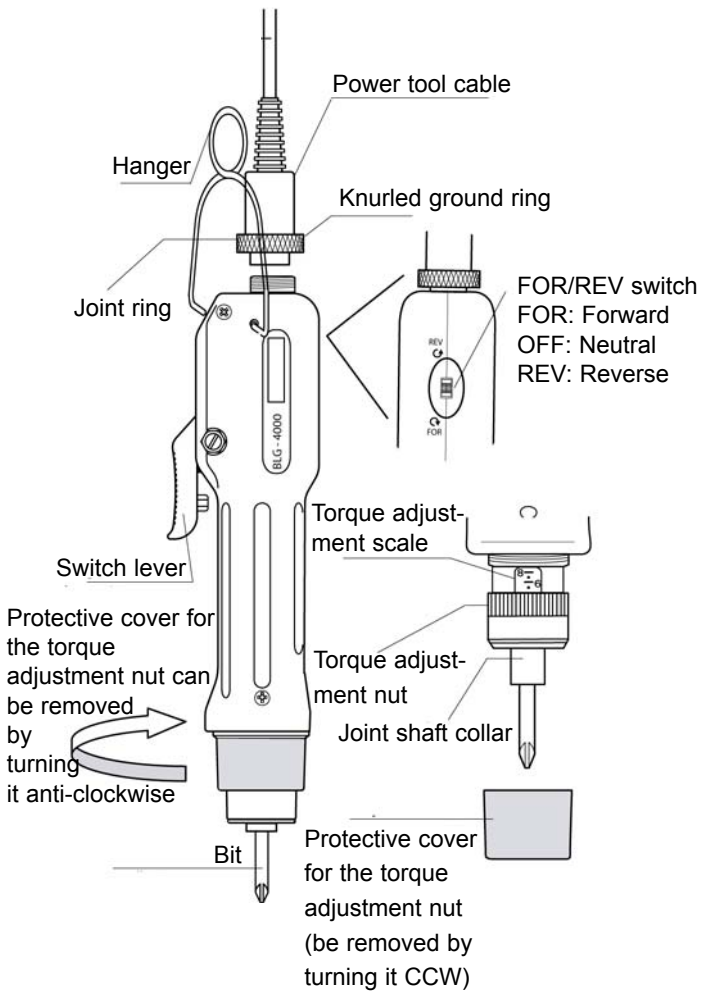
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BLG-Series Operating Instructions

Name of Parts

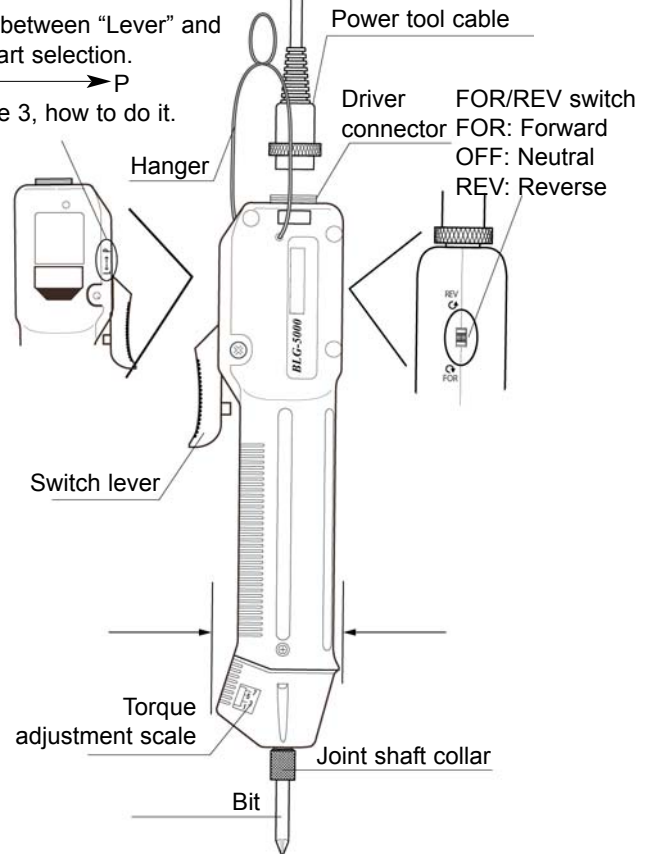
BLG-4000 (Lever Start)



BLG-5000 (Lever or Push Start) Selectable by the Switch

Two-way Start System (Switchable between Lever Start and Push-to-Start)

Marking between "Lever" and "Push" start selection.
L ← → P
See page 3, how to do it.



Transformer Guide

Model	Item #	For Use with Electric Screwdriver Models
T-30BL	144300	BLG4000X
T-70BL	144400	BLG4000X - BLG5000X



T-70BL

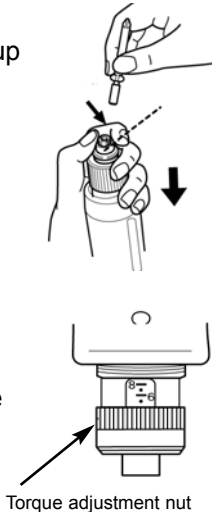


T-30BL

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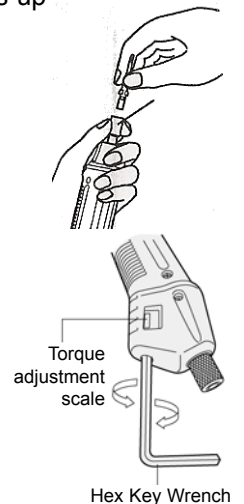
Operating the BLG-4000 Model

1. Attach power tool cable to the BLG-4000 screwdriver and the transformer. Make sure notch in plug lines up with the notch on the socket. Tighten knurled ground ring.
2. Plug in power cord to the back of the transformer and power outlet. Flip power switch to "ON" position located on the front of transformer.
3. Select a bit. Retract the bit collar. Insert the bit and release the retracted collar. To avoid damaging fasteners, make sure the proper bit is suitable for the head of the fastener.
4. The torque limit is determined by the tension of the coil spring housed in the torque adjustment nut. The tighter the coil spring is wound the higher the torque limit is raised. See Torque Charts on page 4 to determine the appropriate torque adjustment setting.
5. Rotate the torque adjustment nut to set the torque limit. Turn clockwise to increase torque and counter clockwise to decrease torque. The scale adjacent to the Torque Adjustment Nut is a reference guide. The torque output from the driver can change depending on various fastening factors like friction, type of joint, and the type material being used like a washer. Verify torque setting with a torque testing system.
6. Turn driver on and check for proper rotation. FOR-clockwise, REV-counterclockwise.
7. To apply torque, squeeze the lever. The driver will automatically stop when the preset torque has been reached.
8. To remove the screw, turn the FOR/REV switch to REV position.



Operating the BLG-5000 Model

1. Attach power tool cable to the BLG-5000 screwdriver and the transformer. Make sure notch in plug lines up with the notch on the socket. Tighten knurled ground ring.
2. Plug in power cord to the back of the transformer and power outlet. Flip power switch to "ON" position located on the front of transformer.
3. Select a bit. Retract the bit collar. Slide the bit collar forward. Insert the bit and release the retracted collar. To avoid damaging fasteners, make sure the proper bit is suitable for the head of the fastener.
4. The torque limit is determined by the tension of the coil spring housed in the tool. The tighter the coil spring is wound the higher the torque limit is raised. See Torque Charts on page 4 to determine the appropriate torque adjustment setting.
5. Using the "Hex Key wrench", set the torque referring to the torque adjustment scale "1 to 8". Turn clockwise to increase torque and counter clockwise to decrease torque. The torque adjustment scale is a reference guide. The torque output from the driver can change depending on various fastening factors like friction, type of joint, and the type material being used like a washer. Verify torque setting with a torque testing system.
6. Turn driver on and check for proper rotation. FOR-clockwise, REV-counterclockwise.
7. To apply torque, squeeze the lever (If Push-to-Start setting is set-up for the BLG-5000* model - place light downward pressure on the nose of the driver). The driver will automatically stop when the preset torque has been reached.
8. To remove the screw, turn the FOR/REV switch to REV position.

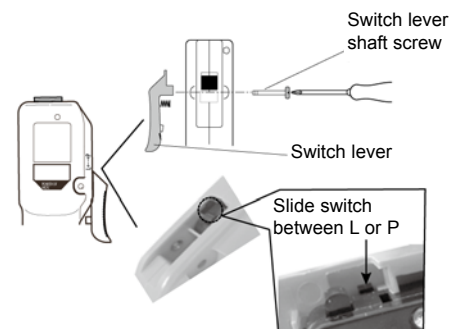


* **Note:** The BLG-5000 features a two-way start system (switchable between Lever Start and Push-to-Start)

How to Change BLG-5000 to "Push" Start System

1. Unscrew the "switch lever shaft screw" and then take off the "switch lever". Using tweezers, move the selection SW near "P" (push) mark.

* **Note:** Do not press or hit the SW or you may damage the SW or body case.



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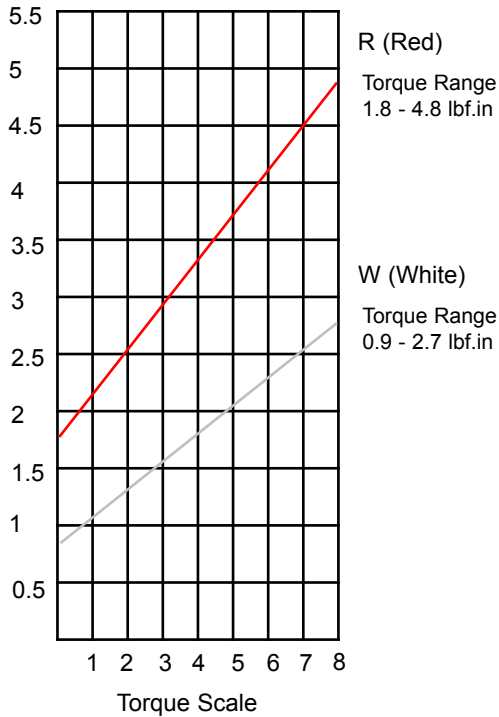
Torque Reference Charts

These charts are meant to be used as guidelines for setting the torque on the BLG-Series electric screwdrivers. The drivers have a torque adjustment scale showing reference numbers. These numbers determine the approximate torque setting. Refer to the charts to determine the reference number setting for your torque requirement.

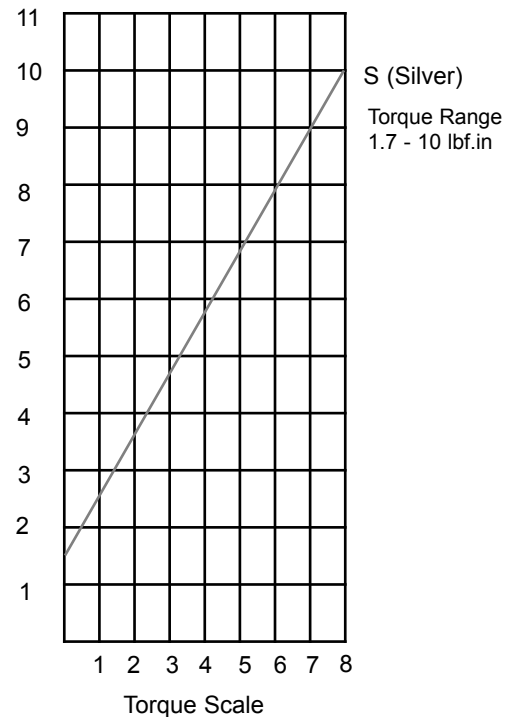
How to Read the Torque Charts

Torque ranges (lbf.in) approximate tightening torque, operated with no load at maximum speed. Verify torque setting with a torque testing system.

lbf.in BLG-4000



lbf.in BLG-5000



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Testing Power Tools:

1. Application Method: Use a torque tester in “Peak Mode” with a rotary torque sensor between the power tool and the actual application. This is the best way to test since you are using the actual joint as the test station. You will see the actual torque applied to the fastener. **Caution:** Variances in tool performance may occur do to the addition of the rotary torque sensor.
2. Simulated Method: Always use a quality joint rate simulator (run down adapter) with a torque tester when testing power tools in a simulated application. Use Joint rate and Breakaway methods to obtain most accurate torque readings in a simulated rundown.

Care

1. The BLG-Series screwdrivers are a precision torque control instrument and should be handled with care at all times.
2. Only use the transformers listed in the Mountz catalog or website for appropriate BLG-Series driver model (If you have any questions regarding the appropriate transformer set-up, contact Mountz Customer Service Department).
3. Operate under safe conditions. Do not place in operation where such objects as hair, strings, clothing, etc. can become tangled in the rotating bit.
4. Keep away from moisture. Never use in high humid, moist or damp environment.

Mountz Calibration & Repair Services

Mountz Inc. features an experienced calibration and repair staff. Our trained technicians can calibrate and repair most any tool. Mountz provides rapid service with quality that you can trust as we offer three state-of-the-art calibration lab and repair facilities that can calibrate up to 20,000 lbf.ft.

With over 45 years of experience, Mountz’s in-depth knowledge of torque is reflected in our tool’s craftsmanship and our ability to provide solutions to both common and uncommon torque applications. We perform calibrations in accordance with ANSI/NCSL-Z540. Mountz is dedicated solely to the manufacturing, marketing and servicing of high quality torque tools.

Mountz is an ISO 9001 certified and ISO 17025 accredited company.

Tool Service & Repair Capability

- Torque Wrench Calibration: Click Wrench, Dial Torque Wrench, Beam Wrench, Cam-Over & Break-Over Wrench
- Torque Screwdrivers: Dial, Micrometer, Preset & Adjustable
- Torque Analyzers/Sensors: All brands
- Electric Screwdrivers: All brands
- Air Tools: All brands
Impact Wrenches, Drills, Pulse Tools, Grinders, Percussive Tools,
Air Screwdrivers, Nutrunners, DC Controlled Nutrunners
- Torque Multipliers: All brands

Mountz Service Locations

Eastern Service Center

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Twitter: @mountztorque

Download a “Service Form” and include a copy when you send the tools in to be serviced.

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