

# BL-Series Operation Instructions

Rev 2.1 (4/13/17)

## BL-2000 and BL-3000 Models

### Operating the Tool

1. Attach cord to the BL Driver. Make sure notch in plug lines up with the notch on the socket. Tighten knurled ground ring. Attach cord to a transformer (Transformer required to operate the tool). Make sure notch in plug lines up with the notch on the socket. Tighten knurled ground ring.
2. 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.
3. 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 Charts on page 3 to determine the appropriate torque adjustment setting.

#### 4. For BL-3000

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.

#### For BL-2000

The screwdriver has a "Double Nut System" (nut fixing ring and torque adjusting nut) to avoid loosening from shock or vibration to the screwdriver. See Dia A.

- At first, keep the nut fixing ring to fit the scale at which, if you want to adjust.
- Then turn the torque adjusting nut toward the nut fixing ring.
- Lastly, to avoid the loosening of the torque adjusting nut fasten strongly the nut fixing ring by holding the torque adjustment nut.

5. Plug in transformer and check power indicator. If it is not on, check fuse in the transformer.

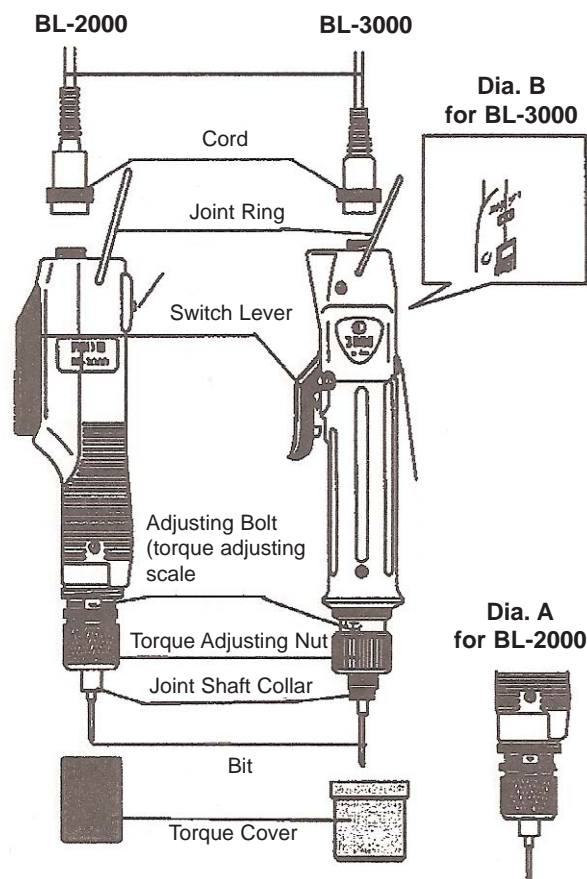
**Transformers** - Standard transformers feature a HIGH & LOW speed button. Select the appropriate speed for your application.

6. Turn driver on and check for proper rotation. FOR-clockwise, REV-counterclockwise.
7. To apply torque, squeeze the lever (Push-to-Start mode of BL-3000\* - 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.

\* Note: The BL-3000 features a two-way start system (switchable between Lever Start and Push-to-Start)

### BL-3000 Two-Start System

1. Use tweezers to switch lever between Lever Start mode and Push-to-Start mode.

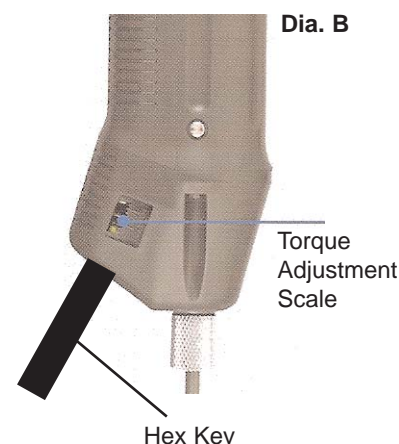
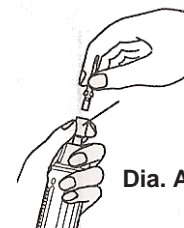


# BL-Series Operation Instructions

## BL-5000 and BL-7000 Models

### Operating the Tool

1. Attach cord to the BL Driver. Make sure notch in plug lines up with the notch on the socket. Tighten knurled ground ring. Attach cord to a transformer (Transformer required to operate the tool). Make sure notch in plug lines up with the notch on the socket. Tighten knurled ground ring.
  2. Select a bit. Retract the bit collar. Slide the bit collar forward and insert the bit into bit-socket of the screwdriver and release the bit sleeve (Dia A). To avoid damaging fasteners, make sure the proper bit is suitable for the head of the fastener.
  3. 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 Charts on page 3 to determine the appropriate torque adjustment setting.
  4. Rotate the torque adjustment nut to set the torque limit. Torque is adjusted on the side of the driver (Dia B). Using the 5mm hex key that was provided with driver, insert into the rubber hole to access Torque Adjustment Nut. Turn clockwise to increase torque and counter clockwise to decrease torque. The Torque Adjustment 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.
  5. Plug in transformer and check power indicator. If it is not on, check fuse in the transformer.
- Transformers** - Standard transformers feature a HIGH & LOW speed button. Select the appropriate speed for your application.
6. Turn driver on and check for proper rotation. FOR-clockwise, REV-counterclockwise.
  7. When in Lever Start mode, squeeze the lever to apply torque. When in Push-to-Start mode, 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.

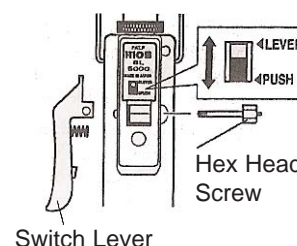


### Two-Start System

The BL-5000 and BL-7000 features a two-way start system (switchable between Lever Start and Push-to-Start).

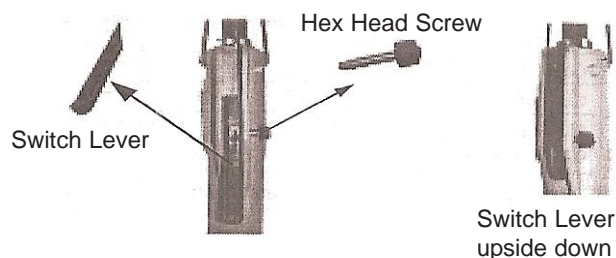
Switching BL-5000 to push-to-start mode.

1. Rotate the hex head screw and detach.
2. Detach switch lever.
3. Set the start switch to "PUSH" position. Use the screwdriver without attaching the hex head screw and switch lever.



Switching BL-7000 to push-to-start mode.

1. Rotate the hex head screw and detach.
2. Detach switch lever.
3. Reattach the switch lever upside down



# BL-Series Operation Instructions

## CARE

1. The BL-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 for appropriate BL 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.

## Torque Reference Charts

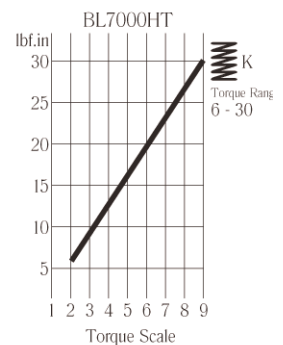
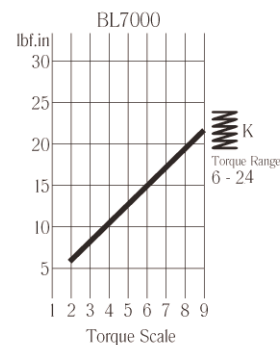
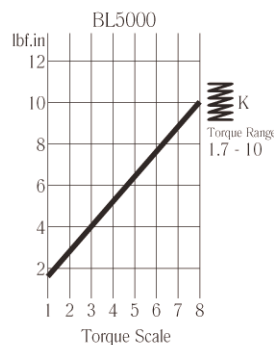
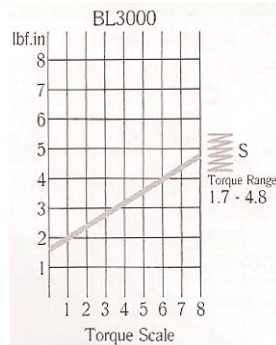
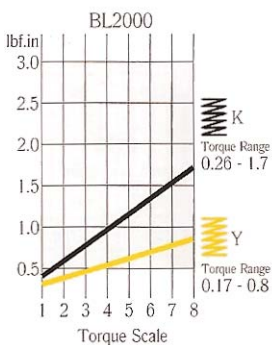
The torque is externally adjusted within the range of the driver by a simple twist of the torque adjustment nut. The charts are used to determine the torque of a specific tool and torque spring combination at a given setting. Figures below for each chart indicate scale setting.

Color of Springs:

K = Black

S = Silver

Y = Yellow



# BL-Series Operation Instructions

## Testing Power Tools:

1. Application Method: Use a torque analyzer in "Peak Mode" with a rotary transducer 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 transducer.
2. Simulated Method: Always use a quality joint rate simulator (run down adapter) with a torque analyzer when testing power tools in a simulated application. Use Joint rate and Breakaway methods to obtain most accurate torque readings in a simulated rundown.

## Service

### 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 two state-of-the-art calibration lab and repair facilities that can calibrate up to 20,000 lbf.ft.

Since 1965, 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.

### Tool Service & Repair Capability

Torque Wrenches: Click, Dial, Beam, Cam-Over & Break-Over

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*

19051 Underwood Rd.

Foley, AL 36535

Phone: (251) 943-4125

Fax: (251) 943-4979

### *Western Service Center*

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