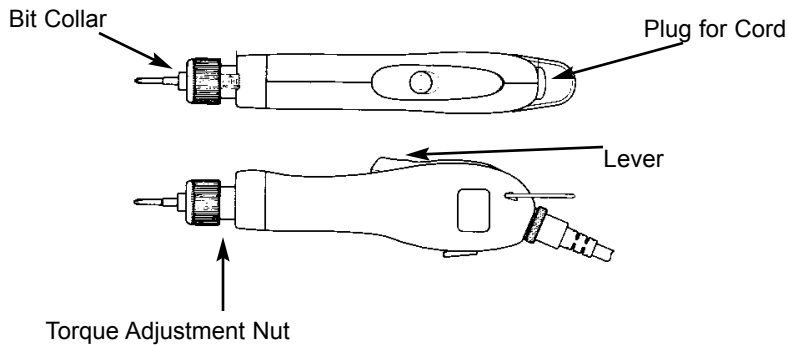


EF-Series Operating Instructions

Rev 1.4



EF-Series features a tamper resistant torque nut.



Operating the Tool

1. Attach cord to the EF 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 Chart on page 2 to determine the appropriate torque adjustment setting.
4. 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.
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 models - 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.

HOW TO REPLACE THE CARBON BRUSH

WARNING: When replacing the carbon brushes, detach the cord from the driver body or unplug the transformer from the power outlet.

1. The carbon brush piece is 1/3" long when new. Change the pair when they are worn to about half the original length.
2. Insert a flat tip screwdriver into the slot in the carbon brush cap and unscrew the cap.
3. Replace the worn brushes with new pair. The contact surface of the brush is concave. Insert the brush so that the concave end properly aligns with rounded surface of motor commutator.

CARE

1. The EF-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 EF 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.

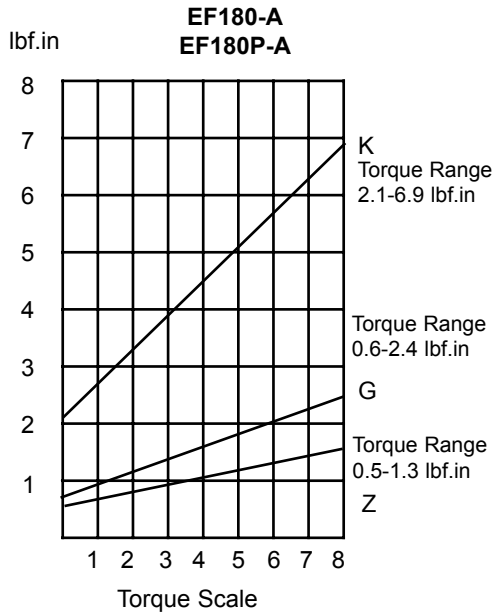
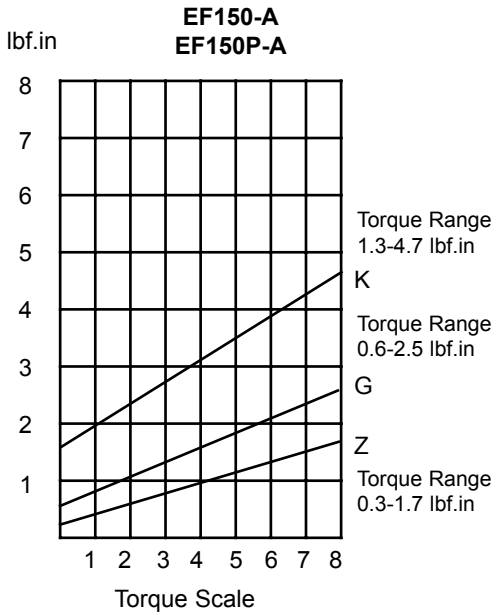
EF-Series Operating Instructions

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Torque Reference Charts

The charts are meant to be used as guidelines for setting torque. The drivers have a torque scale on the torque adjustment nut showing reference numbers. These numbers determine the approximate torque setting.

Color of Springs: Z = Bronze K = Black G= Gold



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Maintenance Intervals:

The number of cycle shown on the table below should be used as a guideline for effective maintenance in order to reduce unexpected down time. Maintenance intervals may be determined by the several approaches: number of cycles in use, number of hours in use, type of joint, torque and calendar time. All these factors should be considered for the best preventative maintenance. The following inspection and replacement intervals will vary depending on tightening load and cycle-on time.

Parts Descriptions	Inspection	Replacement
1. Carbon Brush	200,000 cycle	500,000 cycle
2. Power Switch	450,000 cycle	1,000,000 cycle
3. Limit Switch	450,000 cycle	1,000,000 cycle
4. F/R Switch	450,000 cycle	1,000,000 cycle
5. 1st Idle Gear (plastic)	500,000 cycle	1,000,000 cycle
6. Gear Case	800,000 cycle	1,500,000 cycle
7. Clutch	800,000 cycle	1,500,000 cycle
8. Cable (5P)	400,000 cycle	1,000,000 cycle

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.