

Disassembly/Assembly Instructions - Quick-Change Pencil Grinder, Bushing & Brake

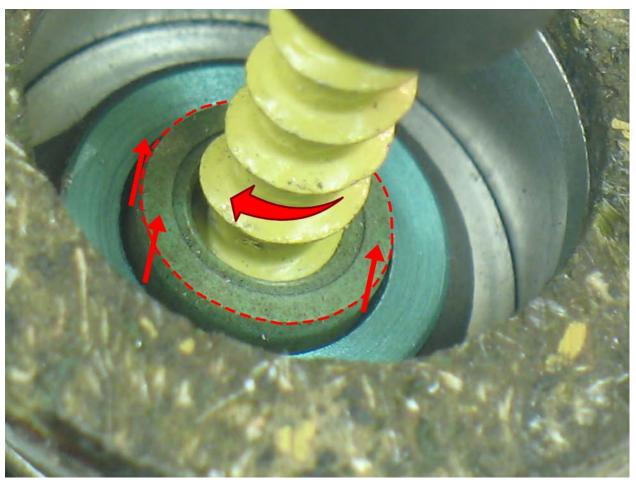
Models: 60051, 60052

See: Quick-Change Pencil Grinder - Drive/Motor Disassembly, Step #5 - 6

Important: Use these instructions along with tool parts page or manual. **Notice:** Shut off air supply. Open **51655** ON/OFF Valve to deplete air.

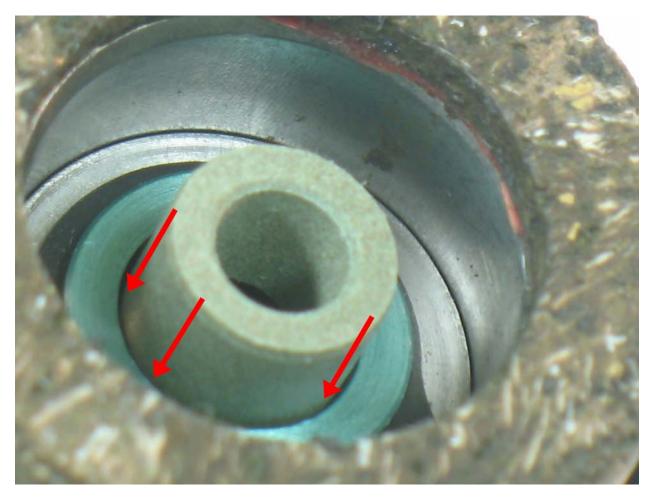
• Disconnect hose from air supply.

Air Bushing Replacement:



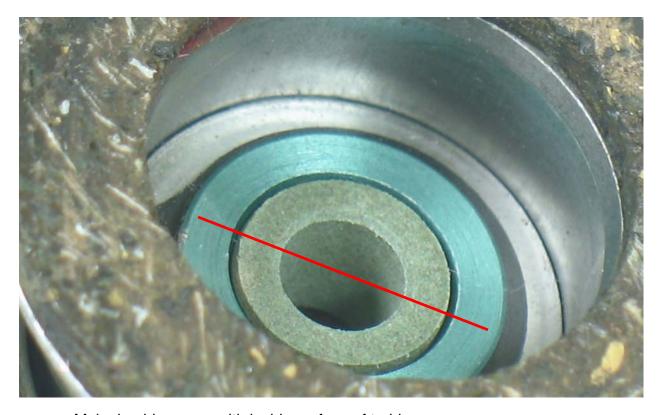
1. Use a wood screw to remove 51662 Bushing from turbine cover.





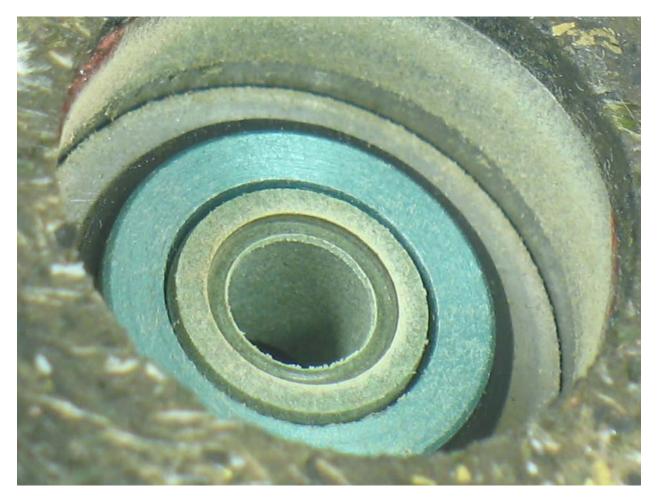
2. Install new 51662 Bushing.





- Make bushing even with inside surface of turbine cover.
- By hand, fasten turbine cover all the way onto housing.
- Supply **90 psig.** (**6.2 Bar**) maximum operating air pressure at air hose of tool. Depress <u>'ON'</u> button.
- Gradually loosen turbine cover until tool runs slowly. Allow tool to gain speed, then gradually tighten turbine cover onto housing to 'WEAR-IN' air bushing.
- Check speed with tachometer.
- Depress 'OFF' button. When tool has stopped, disconnect from air supply.





3. Remove turbine cover and view new 51662 Bushing after 'WEAR-IN'.

See: Quick-Change Pencil Grinder - Drive/Motor Assembly, Step: #12 - 14

- Apply Loctite #7649 Primer to threads on cover.
- After five minutes, apply a small amount of Loctite #567 to threads.
- Install turbine cover onto housing and tighten. Torque to 14 N·m/~125 lbs. in.
- **Important:** Allow Loctite Threadlockers and Retaining Compounds to cure/fixture for 30 minutes before checking RPM.
- Fasten **94600** (1/8") or **94601** (3/32") Ø Guage Pin into collet.
- Supply 90 psig. (6.2 Bar) maximum operating air pressure at air hose of tool.
- Use tachometer to verify maximum speed.

Air Bushing Replacement Completed.



Brake Replacement:

- 1. Use external retaining ring pliers to remove **60103** Retaining Ring and **60072** Brake Assembly.
- 2. Remove 60075 Backing Plate from bore of 60072 Brake Assembly.
 - Inspect 60105 and 60104 O-rings.
 - Replace o-rings if worn or damaged.
 - Replace 60103 Retaining Ring if damaged.
 - Follow reverse order to install brake assembly.
- 3. See: Quick-Change Pencil Grinder Drive/Motor Assembly, Step: #12 14
 - Apply Loctite #7649 Primer to threads on cover.
 - After five minutes, apply a small amount of Loctite #567 to threads.
 - Install turbine cover onto housing and tighten. Torque to 14 N·m/~125 lbs. in.
 - **Important:** Allow Loctite Threadlockers and Retaining Compounds to cure/fixture for 30 minutes before checking RPM.
 - Fasten **94600** (1/8") or **94601** (3/32") Ø Guage Pin into collet.
 - Supply **90 psig.** (**6.2 Bar**) maximum operating air pressure at air hose of tool.
 - Use tachometer to verify maximum speed.

Brake Replacement Completed.