

Grease Seal Replacement Procedure – 1700 Series Grinder

Important Safety Reminder:

- Always unplug the grinder before servicing.
- Always take photos of all parts, wiring, and connections before disassembly to aid reassembly.

Tools and Supplies Recommended

- Newspaper or butcher paper to protect the work surface
- Latex or nitrile gloves
- Grease remover (such as Goo Gone® or similar)
- Rubber mallet
- Large flat-head screwdriver or small pry bar
- Replacement grease seal
- Replacement grease pouch

Disassembly

1. Prepare the work area by covering the surface with newspaper or butcher paper. Gloves and grease remover are strongly recommended when working with the gearbox.
2. Remove the four screws securing the upper housing and lift the housing off.
3. For easier access to the motor assembly, remove the drawer assembly. Looking down from the top of the grinder, loosen one or two screws on the top of the drawer housing to help with removal later.
4. Open the drawer by pulling the handle or pushing upward as required. Remove the two screws located behind the drawer faceplate.
5. Lift the drawer upward and pull it out of the unit.
6. Remove the two screws on each side of the drawer housing.
7. Lay the grinder on its side and remove the four screws securing the bottom of the drawer housing.

8. Remove the front two lower housing screws. Tilt the motor and gearbox assembly forward and lift it out of the two mounting tabs in the bottom housing.
 9. Disconnect the wiring connectors between the motor and power switch.
 10. Remove the six hex bolts securing the front plate to the gearbox.
 11. Position the front plate facing downward. Using a rubber mallet, lightly tap the back of the front plate to disengage the internal gears. Once separated, pull the motor assembly away from the front plate.
 12. Remove the black rubber gasket and set it aside in a safe location to prevent damage.
 13. Clean all grease from the gearbox.
 14. Remove the gears by using a pry bar or large flat-head screwdriver. Work evenly around each gear in a circular pattern until it lifts free. Some force may be required.
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Grease Seal Removal

1. With the front plate still facing downward, insert a flat-head screwdriver between the grease seal and the housing bore. Lightly tap the screwdriver until it reaches the seal lip.
 2. Using the bearing as a pivot point, strike the screwdriver handle outward with a rubber mallet. This will bend the seal inward toward the center of the opening.
 3. Repeat on opposite sides of the seal until it becomes dislodged. Take care not to damage or scratch the surrounding metal surfaces.
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Grease Seal Installation

1. Install the new grease seal with the **spring side facing upward toward the motor**.
2. Apply fresh grease to the new seal, bearings, gear shafts, and all bearing seating surfaces.
3. Reinstall the gears.
4. Fill the gearbox approximately **75% full** with fresh grease.
5. Reinstall the black rubber gasket.

Reassembly

1. Reattach the motor assembly to the front plate and reinstall the six hex bolts.
2. Reconnect all wiring connectors.
3. Position the motor and gearbox assembly back into the housing tabs and secure it with the lower housing screws.
4. Reinstall the drawer housing, including:
 - Four bottom screws
 - Two side screws on each side
 - Drawer assembly
 - Two faceplate screws
1. Retighten any drawer housing screws loosened during disassembly.
2. Reinstall the upper housing and secure it with the four housing screws.
3. Verify all fasteners are tight, wiring is properly connected, and no tools or debris remain inside the grinder.
4. Test the grinder for proper operation.

Note: The gearbox should be filled only to approximately **75% capacity**. Overfilling can cause excess pressure and grease leakage during operation.