

Grease Seal Replacement Procedure – 700 and 700A Series Grinder

Safety Precautions

Disconnect power to the grinder before beginning any service work.

Before disassembly, take photos of the grinder, wiring, and component orientation to aid in reassembly.

Disassembly

1. Remove the four upper panel screws and lift off the upper panel.
 2. Remove the four Allen screws securing the front panel to the motor assembly.
 3. Remove the two screws that secure the front panel to the lower grinder housing panel.
 4. Carefully tilt the motor assembly forward so the front panel rests on the grinder head/attachment area. This position will allow the front panel to be separated from the motor.
 5. Pull the front panel away from the motor to expose the gearbox and internal gears. If necessary, use a rubber mallet and apply light taps to the front panel to help separate it from the motor.
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Gearbox Disassembly

1. Remove the step gear and main gear from the gearbox.
 2. Clean as much grease as possible from the gears.
 3. Remove remaining grease from the gearbox cavity in the front panel.
 4. **OPTIONAL: IF ORIGINAL GASKET IS DAMAGED:** Remove the rubber pad gasket from the front panel. The gasket is typically adhered to the metal surface with RTV sealant and may require careful scraping for removal. Use a gasket scraper, plastic scraper, or flat-blade tool to remove all gasket material and sealant residue from the sealing surface. Take care not to gouge or damage the metal.
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Grease Seal Removal

1. Locate the grease seal pressed into the front panel.
2. Before removing the seal, note its orientation or take a photo for reference.
3. With the front panel facing downward, insert a flat-head screwdriver between the grease seal and the housing bore. Lightly tap the screwdriver until it reaches the lip of the seal.
4. Using the bearing as a pivot point, strike the screwdriver handle outward with a rubber mallet. This should bend the seal inward toward the center of the opening.
5. Repeat this process on opposite sides of the seal until it becomes loose enough to remove.
6. Take care not to scratch, gouge, or otherwise damage the surrounding metal surfaces while removing the seal.

Important: The original grease seal is installed with the spring side facing inward toward the main gear.

Grease Seal Installation

1. Press the new grease seal into the front panel in the same orientation as the original seal.
 2. Verify that the spring side of the seal is facing inward toward the main gear.
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Gearbox Reassembly

1. Reinstall the main gear and step gear.
 2. Fill the gearbox cavity with the supplied grease pouch. The gearbox should be well packed with grease. A small amount of grease may remain in the pouch after filling.
 3. Install the new rubber pad gasket.
 4. For improved gasket retention and sealing, apply a small bead of high-temperature RTV sealant around the edge of the gearbox before installing the gasket.
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Final Assembly

1. Position the motor back onto the front panel and seat the two assemblies together.
 2. Return the motor and front panel assembly to its normal operating position.
 3. Install the four Allen screws and tighten them evenly using a crisscross pattern.
 4. Align the lower panel with the front panel and install the two lower panel screws.
 5. Reinstall the upper panel and secure it with the four upper panel screws.
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Final Check

1. Verify that:
 - The grease seal is installed in the correct orientation.
 - The gasket is properly seated.
 - All fasteners are tightened securely.
 - No tools or debris remain inside the grinder.
1. Reconnect power and test the grinder for proper operation.