

MC-300, 400, 500 O-ring Replacement



300 Series Concrete Compression Machine with Pro Controller

O-RING REPLACEMENT

Supplies Required

- Wrench for hydraulic hose fitting
- Clean rags
- Extra fine emery paper
- Dextron II or Dextron III

Procedure

1. Place a rag under the hydraulic hose fitting on the flow control valve mounted on top of the pump.
2. Loosen the hydraulic hose fitting. You do not need to remove the hose, just loosen the fitting to break the air lock.
3. Lift the bottom platen and piston straight out of the cylinder.

NOTE: If you don't keep it level, it will be very hard to get the piston out.

4. Turn the platen upside down, piston side up and lay it on a soft towel or rag.
5. Wipe out the inside of the cylinder with a clean rag.
6. Look down inside the cylinder for a groove cut in the side of the cylinder. Insert a small blade screwdriver into the groove and carefully remove the white back-up ring and black o-ring.
7. Use a clean rag to clean out the o-ring groove.
8. Stretch the black o-ring over the piston to shape it for easier insertion into the cylinder.
9. Push the new o-rings into the cylinder. Place the black o-ring **BELOW** the white back-up o-ring in the same groove.

IMPORTANT: Make sure the o-rings are fully seated in the groove.

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10. Wipe the top half of the cylinder and new o-ring with clean Dextron II or Dextron III.
11. Inspect the piston for scratches. If any are present, buff them off with extra fine emery paper, then wipe clean.
12. Clean the piston with a clean rag then coat the end of the piston with Dextron II or Dextron III.
13. Center the piston over the cylinder opening. Keeping it level, re-install the piston into the cylinder.

NOTE: If you don't keep the piston level, it will be very hard to get it back inside the cylinder.

14. Re-tighten the hydraulic hose fitting on the flow control valve.

CAUTION: Do not over-tighten the hydraulic hose fitting. Tighten it and then run the machine. Re-tighten it until it stops leaking.

15. Run the machine and check for leaks.

Call Gilson Technical Support with any questions or problems at 800.444.1508

Repair Parts

Model	Description	Part Number
MC-300	7in o-ring	RPMC-300-5
	7in backup o-ring	RPMC-300-6
MC-400	8in o-ring	RPMC-400-1
	8in backup o-ring	RPMC-400-2
MC-500	9in o-ring	RPMC-500-1
	9in backup o-ring	RPMC-500-4