

AIR PUMP MAINTENANCE INSTRUCTIONS

Periodic pump maintenance is required for reliable continuous operation. Any maintenance of the pump other than those described within this manual must be performed by an authorized service facility.

❑ Air Filter

Air filter under the filter cover should be cleaned every 3 to 6 months. Wash the filter gently in mild, soapy water then rinse thoroughly. Allow filter to dry completely before reinstalling.

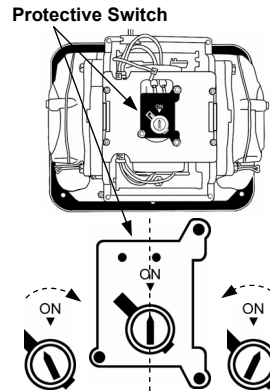
❑ Diaphragm Modules

Diaphragm Module Replacement is recommended for every 18 to 24 months of operation. Diaphragm Replacement Kit (DRK) can be acquired from Alita Industries or from your local Alita representative.

CAUTION: Always turn off the power before any pump inspection. Failure to observe this precaution can result in serious accident.

Replacement Procedure

1. Remove Filter Cover, set pump upside-down and remove all corner screws. Then return pump to upright position and lift away Upper Pump Housing.
2. Detach the L-tube from each Diaphragm Housing.
3. Select a Diaphragm Housing on the pump, remove its 4 corner screws then pull away the housing. Proceed to remove the Hex Nut from center of the Diaphragm then slide the entire Diaphragm Block away from Magnetic Rod and Core Frame.
4. Select a new Diaphragm Block assembly from the DRK, ensure the rim of new Diaphragm is firmly embedded into the groove of Diaphragm Frame. Then match new Diaphragm Block to the Core Frame and secure to the Magnetic Rod with Hex Nut.
5. Apply 1 or 2 drops of threadlocker (use only removable grade) over the hex nut and the exposed thread of magnetic rod screw.
6. Install new Diaphragm Housing and secure with 4 corner screws.
7. Re-attach L-tube and secure with wire clamp.
8. Repeat procedure #3 through #7 to replace old diaphragm module on the other side of pump.
9. Inspect the position of Magnetic Rod from the top. Confirm that the Magnetic Rod is centered between and NOT in contact with the two Electromagnets.
10. If the pump includes a Protective Switch on top of the Core Frame, rotate the switch to ON position.
11. Install Upper Pump Housing, and secure to pump firmly with all corner screws. Reinstall Filter Cover.



❑ MAGNETIC ROD

If the magnetic rod has suffered damages, order a new magnetic rod along with the new diaphragm replacement kit.

In case of unusual noise or odor from the pump, turn off the power immediately, consult the maintenance guide, or contact your nearest pump representative or Alita service department for assistance.

Assembly Diagram for Models AL-80/100/120/150/200

