

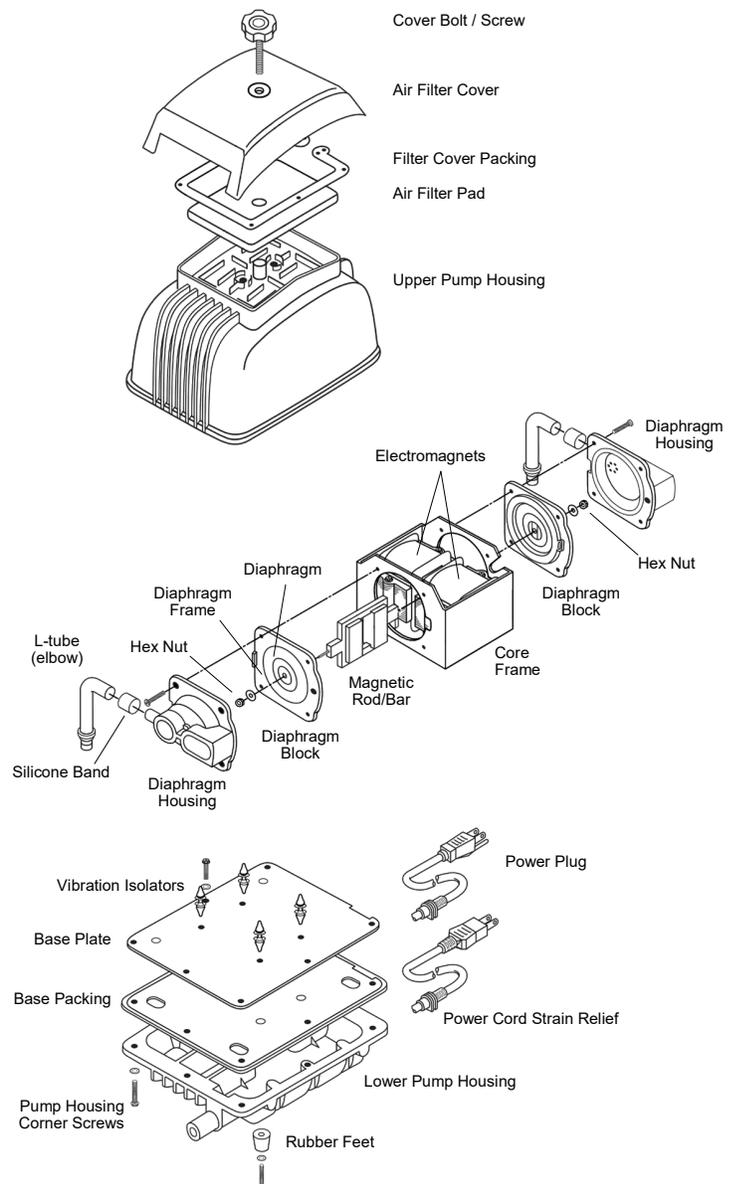
ALITA AIR PUMP MAINTENANCE INSTRUCTION

CAUTION: Always turn off the power and unplug from electrical terminal before any maintenance.

□ DIAPHRAGM MODULE REPLACEMENT PROCEDURE

1. Set pump upside down to unscrew all corner screws. Then return pump upright to lift upper housing and dislodge the cable strain relief.
 2. Detach the rubber elbow (L-tube) from discharge port of each diaphragm housing carefully.
 3. Pick a side to start, remove diaphragm housing's 4 corner screws and pull off old housing. Next remove the hex nut and washer from center of the diaphragm then pull and slide the entire diaphragm block away from magnetic rod and core frame.
 4. Select a new diaphragm block from the maintenance kit, orient and align with core frame's opening and magnetic rod then slide over the rod screw. Secure assembly firmly with new washer and hex nut. ▼
 5. Optional: Apply a drop of removable grade threadlocker between the hex nut and protruded rod screw.
 6. **CAUTION:** Before mounting new diaphragm housing, ensure the diaphragm is fully seated with the diaphragm frame. Stretch and push in all edge that may have popped off. Mount new diaphragm housing and secure corner screws.
 7. Attach L-tube to the discharge port of the new diaphragm housing and secure with silicone band or wire hose clamp.
 8. Repeat step #3 through #7 to replace diaphragm module on the opposite side.
- IMPORTANT:** Do not mix old and new diaphragm parts. Apply all new parts to ensure balanced operation.
9. Inspect the position of magnetic rod from the top. Confirm the magnetic rod is suspended at the center and NOT in contact with the electromagnet on either side.
 10. Install upper housing, avoid crushing any cable at the edges, then secure firmly with all corner screws.
 11. Install new air filter pad and filter cover packing under air filter cover.

Assembly Diagram for Models AL-40/60/80



□ AIR FILTER

Air filter pad under the filter cover should be cleaned every 6 to 12 months. Dust off or wash the filter pad gently in mild, soapy water then rinse thoroughly. Allow filter pad to dry completely before reinstalling.

□ MAGNETIC ROD (BAR) ▼

Replacement is required if the original magnetic rod is broken, has fractured frame or magnet, or threads worn on any of its two rod screws.