

INSTALLATION INSTRUCTIONS

Item #510146

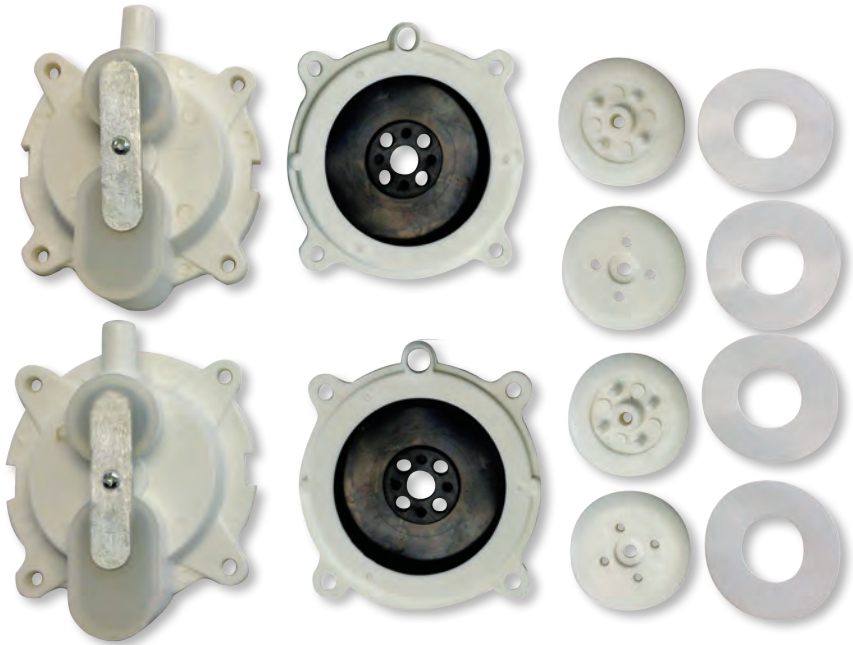


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IMPORTANT INFORMATION:

Please read these instructions thoroughly before use. Failure to follow instructions may result in equipment damage or failure, losses, injury or death.

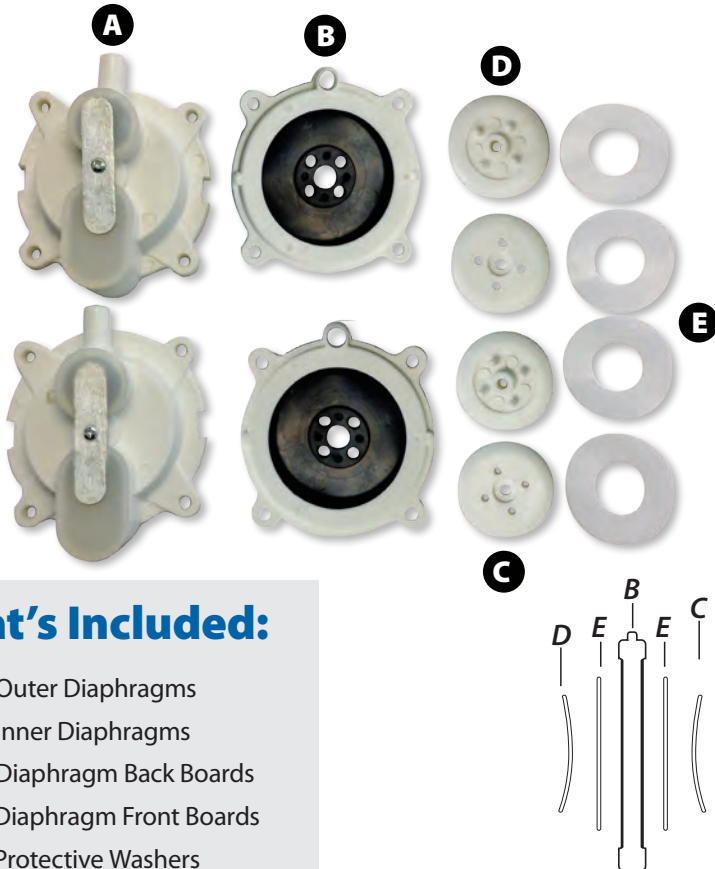
⚠ WARNING: ⚠

To reduce the risk of electric shock or injury:

- ALWAYS unplug the KoiAir compressor from the power source before installing, removing or servicing the KoiAir components.

IMPORTANT: Airmax is not responsible for equipment damage or failure, losses, injury or death resulting from failure to follow safety precautions, misuse or abuse of equipment.

PRODUCT CONTENTS



What's Included:

- A** 2 Outer Diaphragms
- B** 2 Inner Diaphragms
- C** 2 Diaphragm Back Boards
- D** 2 Diaphragm Front Boards
- E** 4 Protective Washers

Diaphragm Assembly Order

INSTALLATION INSTRUCTIONS:



See Video Instructions of the KoiAir (KA40) Diaphragm installation online at crystalclearpond.com/InstallKA40

Tools Required:

- Phillips Screwdriver
- 7mm Nut Driver
- Small Pick Tool



1 Remove the Casing

FLIP the compressor over and remove 4 screws securing the outer casing using a #2 phillips screwdriver, then separate the upper and lower casing.



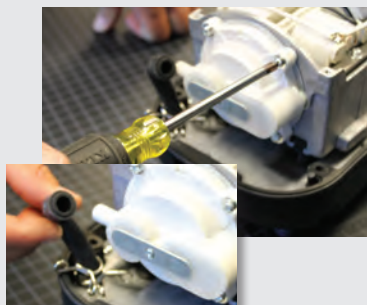
2 Remove Top Plate

REMOVE the 4 screws securing the diaphragm top plate.



3 Separate Inner & Outer Diaphragm

REMOVE the rubber boot from the outer diaphragm assembly. Then remove the 4 screws securing the outer diaphragm assembly using a #2 phillips screwdriver.



INSTALLATION INSTRUCTIONS: Continued...

4 Separate Diaphragms

Use a small pick tool to separate the outer diaphragm from the inner diaphragm.



5 Remove Center Ring

REMOVE and save the center retaining nut and two washers using your 7mm nut driver.



6 Remove Inner Diaphragm

REMOVE the inner diaphragm including the diaphragm front boards and back boards.

Take note of the two metal rings



7 Install Protective Washer

INSTALL a new diaphragm front board. The diaphragm front board is the one with 4 pegs. Apply the protective washer on top of the diaphragm front board.



8 Install Inner Diaphragm

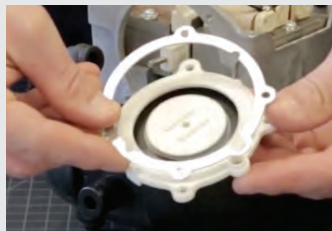
INSTALL a new inner diaphragm and align the 4 pegs with the 4 holes inside the inner diaphragm.



9 Push Front Board into Place
Push the front board firmly into place and make sure the pegs come through evenly on the reverse side of the inner diaphragm.



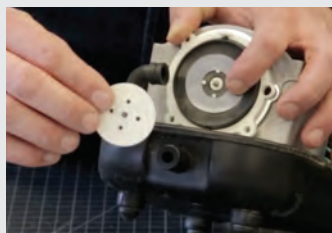
10 Place Metal Rings
PLACE the two metal rings onto the inner diaphragm assembly. Align the 2 lines on the front board to be pointing to the notches on the inner diaphragm.



11 Place Diaphragm on Armature
INSTALL the inner diaphragm into the armature with the two lines being vertical and the metal rings in between the inner diaphragm and the armature.



12 Install 2nd Protective Washer
INSTALL the 2nd protective washer onto the diaphragm followed by the diaphragm back board with the flat side facing outwards. It can be helpful to tilt the compressor to keep the washer and diaphragm back board in place.



13 Install Flat Washer, Lock Washer, Nut
INSTALL the flat washer, lock washer and nut. Use the 7mm nut driver to securely tighten the nut.



INSTALLATION INSTRUCTIONS: Continued...

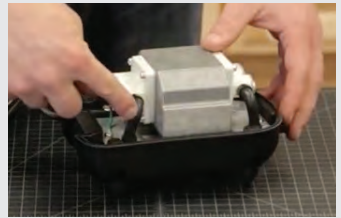
14 Re-Install Outer Diaphragm
RE-INSTALL the outer diaphragm assembly by matching up the notch on the assembly with the notch on the compressor motor and secure with the 4 assembly screws.



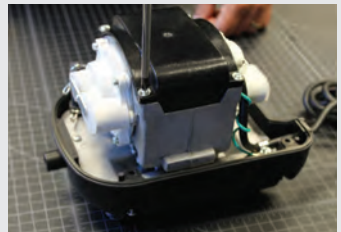
15 Reconnect the Rubber Boot
RECONNECT the rubber boot to the outer diaphragm assembly.



16 Repeat Steps 3-15 for the Other Diaphragm
REPEAT steps 3-15 for the diaphragm on the other side of the compressor motor.



17 Re-Install the Black Diaphragm Top Plate
REINSTALL the 4 screws with washers to the top plate and securely tighten with a #2 phillips screw driver.



18 Re-attach Upper & Lower Casing
RE-ATTACH and secure the upper and lower casings using the 4 case screws.



CHANGING THE AIR FILTER:

- 1 Remove the Filter Cap**
REMOVE the air filter cap by pulling from the bottom edge first.



- 2 Remove Filter**
REMOVE the worn air filter by pinching and pulling straight out. Replace the air filter with a new one by pressing new filter into place.



- 3 Attach the Filter Cap**
PRESS and secure the air filter cap back into place.



MAINTENANCE:

We recommend replacing the diaphragm and air filter every 6-12 months to maintain optimum performance.

REPLACEMENT PARTS:

DESCRIPTION	PART #
<p data-bbox="82 175 340 203">Airmax KoiAir (KA40) Air Filters</p>  The image shows two square, yellow, porous air filters with a circular hole in the center. To the right of the filters is a yellow plastic fastener with a cylindrical top and a T-shaped base.	<p data-bbox="543 175 606 203">510149</p>

THANK YOU FOR CHOOSING:

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