

INSTALLATION INSTRUCTIONS

Item #510145



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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.

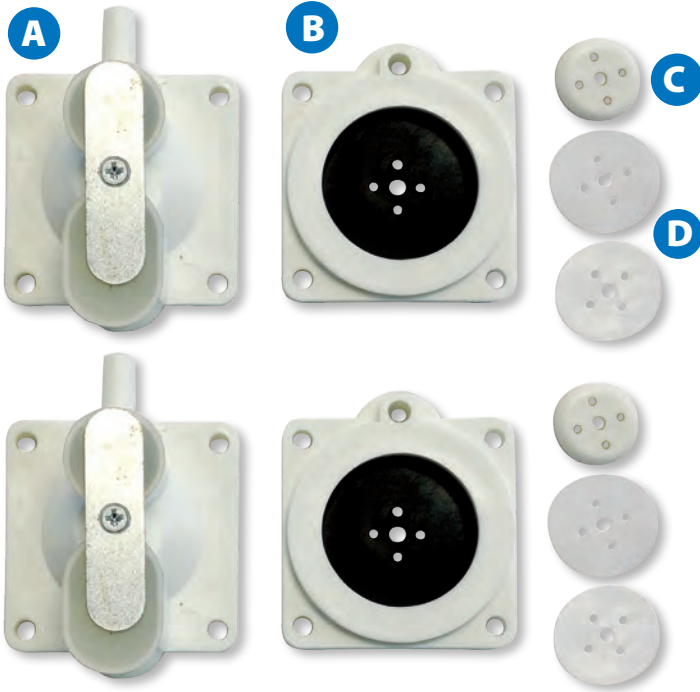
WARNING:

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.

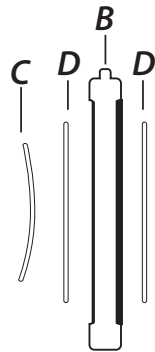
IMPORTANT: Airmax® is not responsible for equipment damage or failure, losses, injury or death resulting from failure to follow safety precautions, misuse or abuse of equipment.

PRODUCT CONTENTS



What's Included:

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



Order of
Diaphragm Assembly

INSTALLATION INSTRUCTIONS:



See Video Instructions of the KoiAir (KA20) Diaphragm installation online at crystalclearpond.com/InstallKA20

Tools Required:

- Phillips Screwdriver
- 5.5mm Nut Driver
- Small Pick Tool



1 Remove the Casing

REMOVE the 4 screws securing the outer casing using a #2 phillips screwdriver, then separate the upper and lower casing.



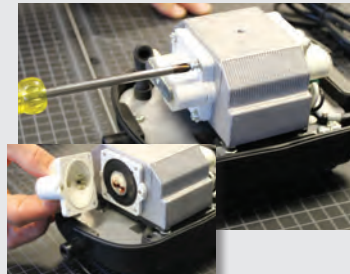
2 Remove the Rubber Boot

REMOVE the rubber boot from one of the diaphragm assemblies.



3 Separate Inner & Outer Diaphragm

REMOVE the 4 screws securing the inner and outer diaphragm using a #2 phillips screwdriver. The use of a pick tool may be helpful.



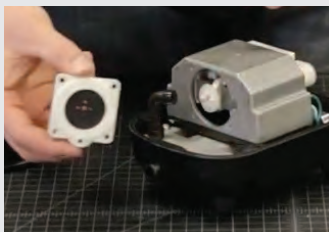
4 Remove the Nut & Washer

REMOVE the center retaining nut and washer using a 5.5mm nut driver.



5 Remove the Backboard, Diaphragm & Washer

REMOVE the diaphragm backboard (C), inner diaphragm (B), and inner protective washer (D).



6 Install New Diaphragm

INSTALL the new diaphragm assembly components in order, starting with a new protective washer (D). Then place the new inner diaphragm assembly (B) with the flat side out, aligning the notch on the inner diaphragm assembly with the notch on the compressor motor.



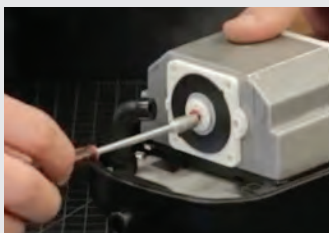
7 Install Protective Washer

INSTALL another protective washer (D) and then the diaphragm backboard (C) with the curved side facing the inner diaphragm assembly.



8 Secure Center Nut & Washer

SECURE the center retaining nut and washer with a 5.5mm nut driver.

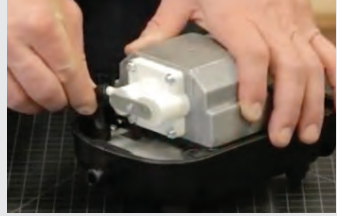


INSTALLATION INSTRUCTIONS: Continued...

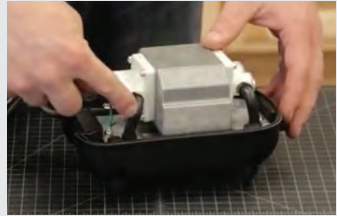
9 Reinstall the Outer Diaphragm
REINSTALL the outer diaphragm assembly by matching up the notch on the assembly with the notch on the compressor motor, and secure with the 4 assembly screws.



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



11 Repeat Steps 2-10 for the Other Diaphragm
REPEAT steps 2-10 for the diaphragm on the other side of the compressor motor.



12 Attach Casing
SECURE the compressor casing with the 4 screws and then follow steps to check/change the air filter.



CHANGING THE AIR FILTER:

- 1 Remove the Filter Cap**
REMOVE the screw securing the air filter cap.



- 2 Remove Membrane & Filter**
REMOVE the rubber membrane and worn air filter. Replace the air filter with a new one and reposition the rubber membrane back over the air filter.



- 3 Attach the Filter Cap**
RESECURE the air filter cap.



MAINTENANCE:

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

REPLACEMENT PARTS:

DESCRIPTION	PART #
<p data-bbox="82 178 340 203">Airmax KoiAir (KA20) Air Filters</p> 	<p data-bbox="542 178 606 203">510153</p>

THANK YOU FOR CHOOSING:

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