

CMC3RK

Compressor Repair Kit Instructions



Your kit includes a diaphragm assembly to return your air pump back to proper performance. Over time the air pressure and output will drop which typically requires replacement of the diaphragm. This is considered normal “wear” and can be done on a regular basis (every 6 to 12 months) or once loss of output is observed.

- Disconnect the unit from the outlet and remove any air hoses
- Place hardware and screws in order that they are removed



WARNING: Electrical shock hazard. Disconnect electrical supply before performing maintenance. Failure to follow these instructions may result in death, fire or electrical shock.



WARNING: Injury hazard. Product surfaces become very hot during operation, allow surfaces to cool before handling.

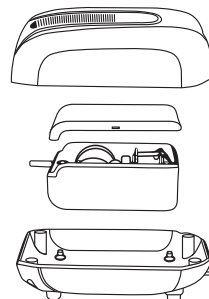


WARNING: Do not use oil to lubricate parts. CAS compressors use an oil less design. Using oil may result in failure of the unit.

Before beginning you will need:

1. #1 Philips screwdriver
2. Flat head screwdriver
3. Clean work space

CMC3 - Single Outlet Compressor



← top of main housing

← internal housing lid

← internal housing

← bottom of main housing

Diaphragm Replacement Instructions for CMC3 - Single Outlet Compressor used in CAS1 Kit



1. Unplug unit and remove four screws from bottom housing.



2. Carefully lift top of housing back to access internal housing.

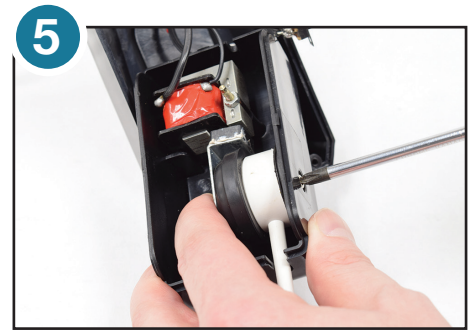
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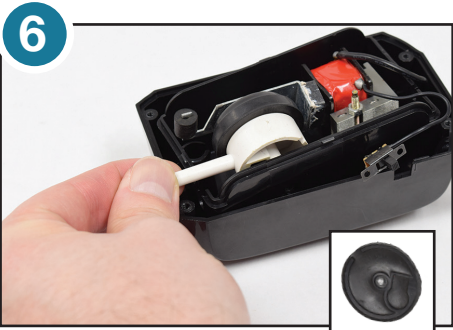
3. To remove lid of internal housing, lift internal housing without straining electrical cords, squeeze longer sides tightly to create a small space where a flat screw driver can be placed.



4. Instead of prying, use a slight twisting motion with the screw driver to release the lid of the internal housing.



5. With lid off, remove screw from side of housing that holds diaphragm assembly in place.



6. Remove diaphragm assembly from unit. Inspect magnets and clean if needed. Remove and save the black seal shown in the inset photo. This is not included in this repair kit. You will use this in step 7.



7. Press the black seal into the side of the new diaphragm assembly. Install new diaphragm assembly by holding it securely to the side while tightening screw.



8. Arrange electrical cords in slot and press lid back onto internal housing.



9. Place internal housing back into top of main housing. Arrange cords and switch to avoid pinching when reassembling main housing.



10. Re-install bottom of main housing and secure with four screws.

Troubleshooting

Loss of air output but unit is running:

- Check that the flow control is turned up.
- Check to make sure lines are not kinked or plugged.
- Inspect the air stones to ensure they are clean. Replace or clean as necessary.
- Inspect diaphragms. Replace as necessary.

Unit is not running:

- The GFCI may have tripped.

Replacement Parts

Air stone: part # CRAS1

Check valve: part # CASCV



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