



Zabel ET Series Air Pump Maintenance Manual

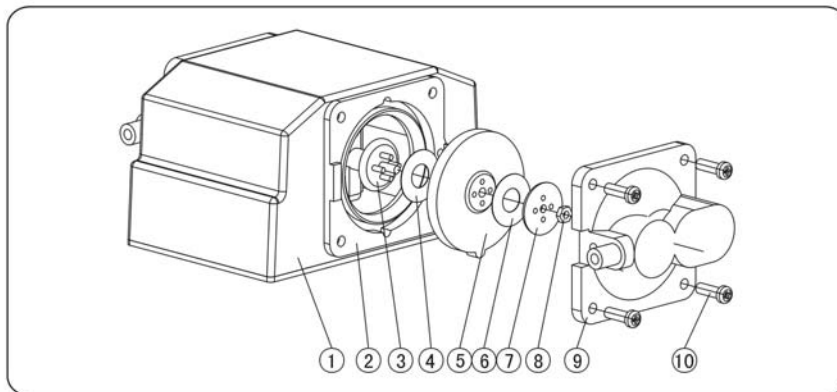
ET Series version 40, 60, 80, 100, 120

1. To clean the air filter (Recommended once every six months)

- A. Use a screw driver to unclip the filter cover
- B. Remove filter cover.
- C. Take the filter out and clean it with clean water and dry it or replace with a new filter if needed.
- D. Put it back and secure by push fitting the filter cover.

2. To change the diaphragms

IMPORTANT : To open the upper housing, please make sure you have unplugged the power cord before opening.



- A. Loosen the four screws around the aluminum upper housing, and take the housing off. Locate the pump inside the housing as diagram above.
- B. Loosen the four screws (10) and remove the air chamber cover (9)
- C. Loosen the nut (8) and remove the diaphragm depressor (7), electrostatic membrane (6) and the diaphragm (5)
- D. Replace the diaphragm and please note that when fixing, to make sure the diaphragm jut fits exactly to the slot of the air chamber (2)
- E. Install all parts by counter steps.
- F. Put on the aluminum cover and secure the four screws firmly.

ET Series version 150, 200

1. To clean the air filter (Recommended once every six months)

- E. Loosen the screw on top. (As shown in Figure1)
- F. Remove filter cover.
- G. Take the filter out and clean it with clean water and dry it or replace with a new filter if needed.
- H. Put it back and secure the fixing plate with the screw in.

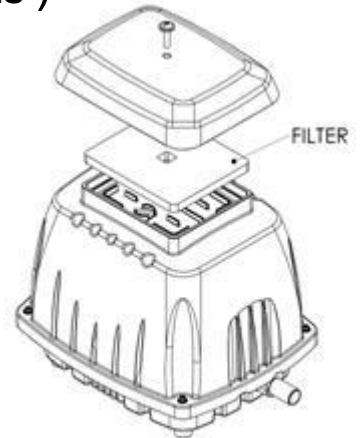


Figure 1

2. To change the diaphragms

IMPORTANT : To open the upper housing, please make sure you have unplugged the power cord before opening.

- G. Loosen the four screws around the aluminum upper housing, and take the housing off. (As shown in figure 2)
- H. Loosen the four screws around the coil cover, and take the cover off. (As shown in figure 3)
- I. Loosen the four screws and disassemble the diaphragm housing.
- J. Loosen the u-nut in the center of diaphragm.
- K. Take the diaphragm off its place.
- L. Replace a new one by mounting the rubber studs into their position.
- M. Press the rim of the diaphragm into the ring.
- N. Secure the magnet with a new u-nut and screw and put the diaphragm housing back with the four screws on.
- O. Put the coil cover back with the four screws on.
- P. Put on the aluminum cover and secure the four screws firmly.

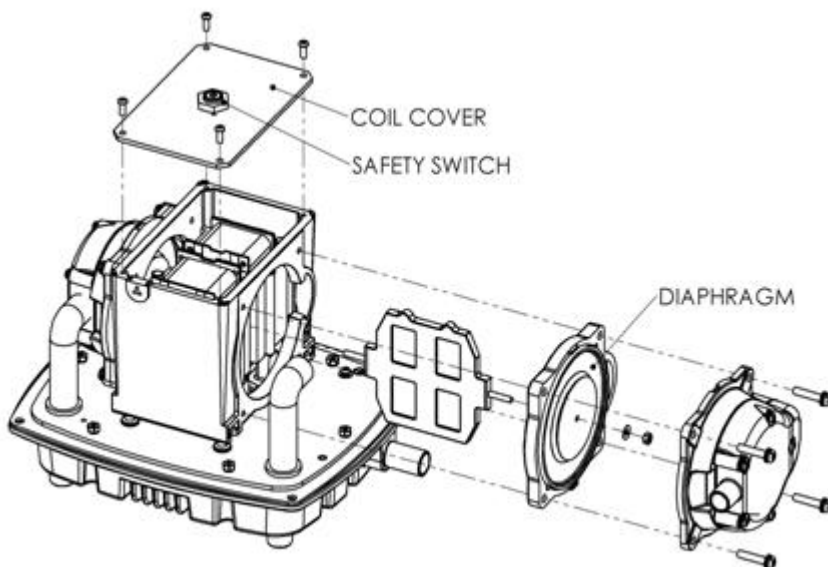


Figure 3

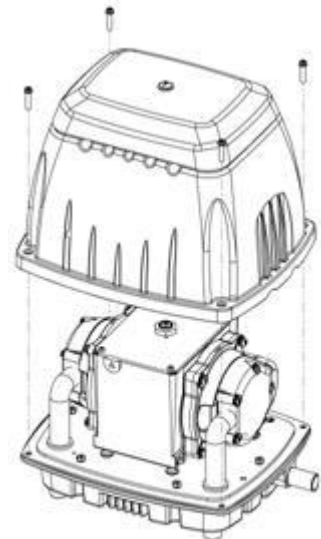


Figure 2