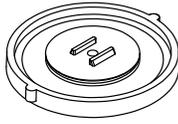


● Contents of diaphragm repair kit (Please confirm the contents of the repair kit)

① Diaphragm



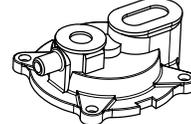
(2)

② Diaphragm holder



(2)

③ Valve box



(2)

④ Filter



(1)

⑤ Nut



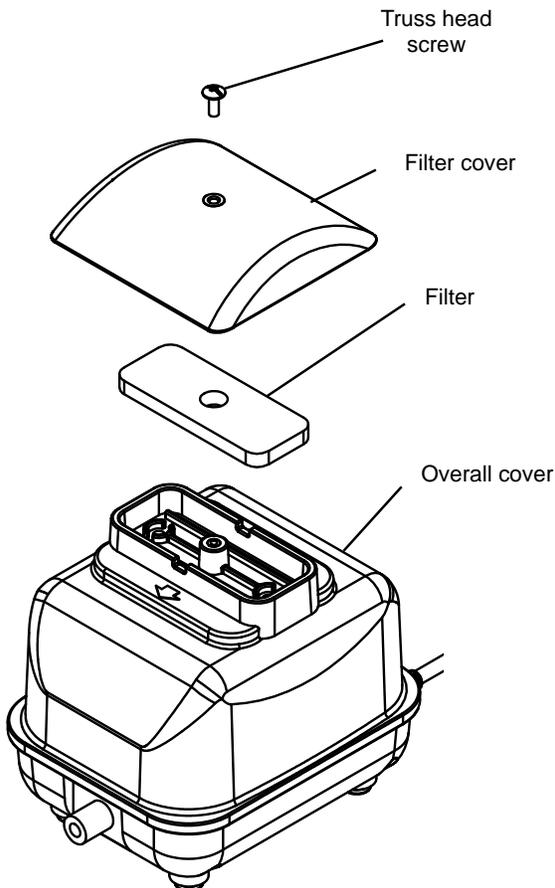
(2)

**⚠ WARNING**

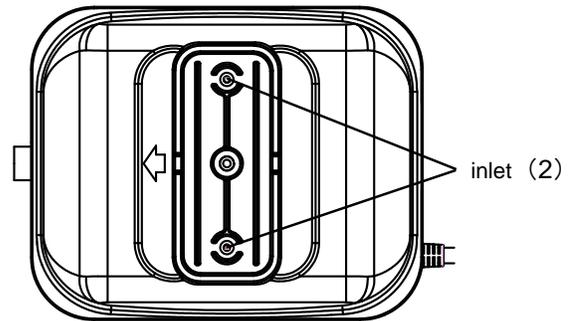
○ Always disconnect power before servicing. Failure to do so could result in electrical shock, personal injury or death.

◆ Replacement of filter

1) Undo the truss head screw and remove the filter cover.



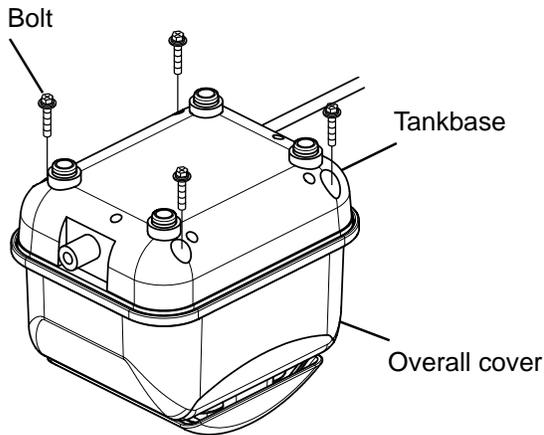
2) Take out the filter, and shake out the dust by hand. Then, replace with the new filter.



3) Reassemble the filter back in place and fix the filter cover by the truss head screw.

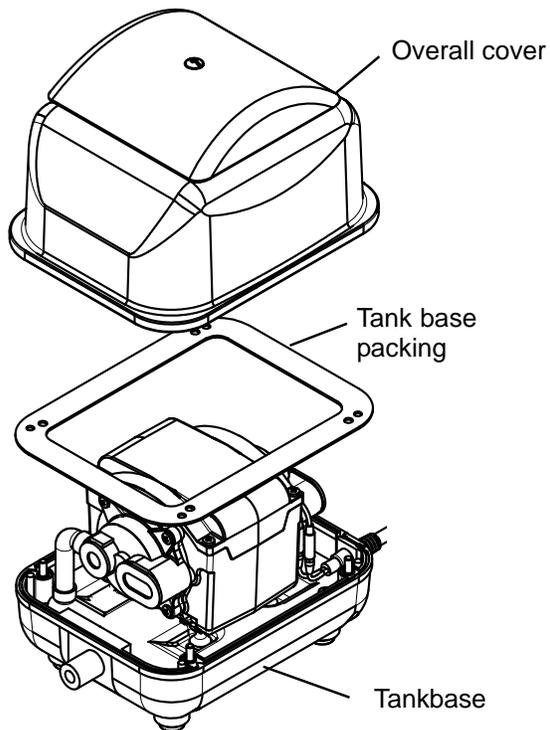
## ◆ Replacement of diaphragm and valve box

- 1) Turn over the pump. Undo the four corner bolts and remove the overall cover.

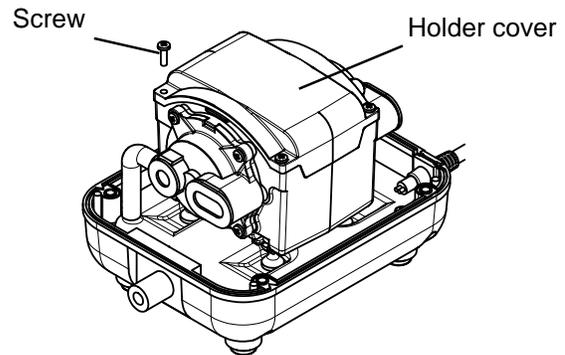


### NOTE

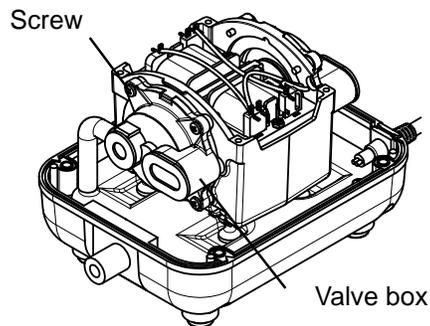
The tank base packing is between the overall cover and the tank base.  
Keep the tankbase packing clean and intact.



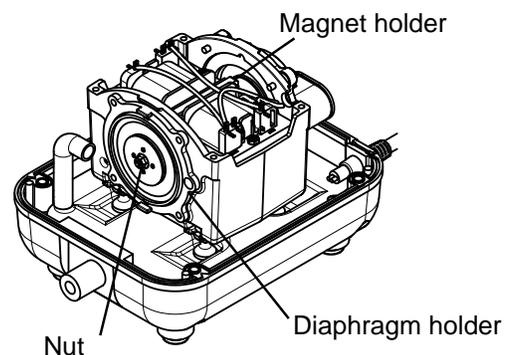
- 2) Undo the screws and remove the holder cover.



- 3) Undo the screws and pull out the connecting pipe. Remove the valve box.



- 4) Undo the nuts and remove the diaphragm from the magnet.



### ⚠ CAUTION

- Magnetic force is very strong, please be careful during operation.
- Inappropriate operation may cause personal injury.

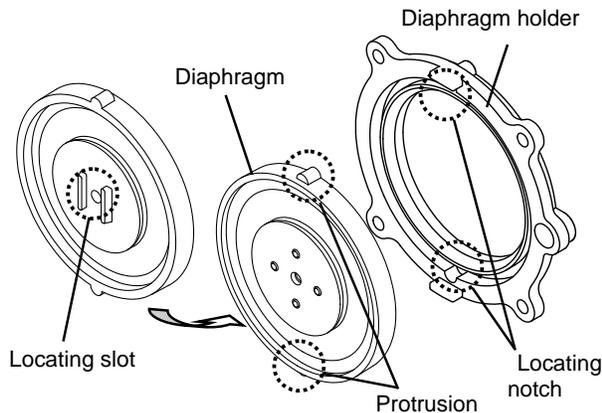
5) Insert the protrusion of the new diaphragm in the locating notch of the diaphragm holder.

### NOTE

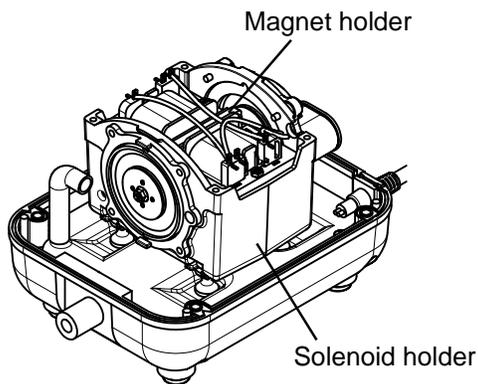
● Press the diaphragm edges in the diaphragm holder firmly.

**CAUTION !** If the diaphragm is not properly in the diaphragm holder, it will cause shortened diaphragm life.

Press the diaphragm edges in the diaphragm holder firmly.



6) Replace the magnet holder and the diaphragm, installing into the solenoid holder.



### NOTE

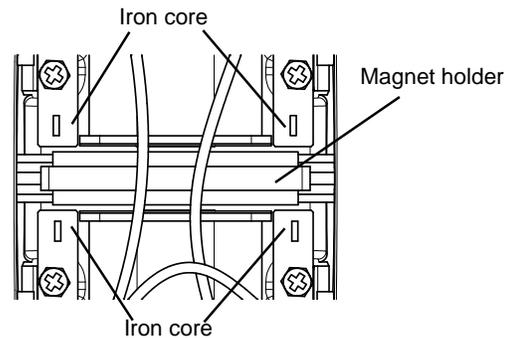
● Please replace the diaphragm and valve box for both sides.

**CAUTION !** Not replacing the old parts may cause the damage of the pump.

7) Replace the valve box.

Make sure the magnet holder is in the middle of the iron core.

If not, please reset it.



### NOTE

● Please confirm magnet holder always in the middle.

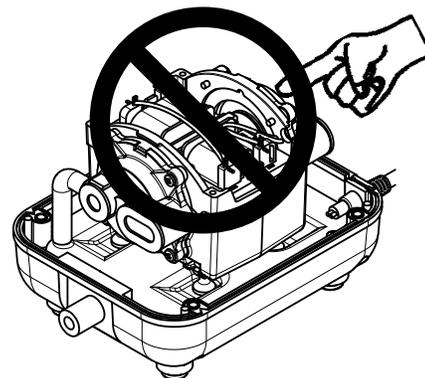
**CAUTION !** If diaphragm is not properly placed in the diaphragm holder, the magnet position may be misaligned causing shortened diaphragm life, performance degradation.

8) Connect power, confirm whether the magnet holder is moving in the middle and whether air blowing out properly, then remove the plug and start next operation.

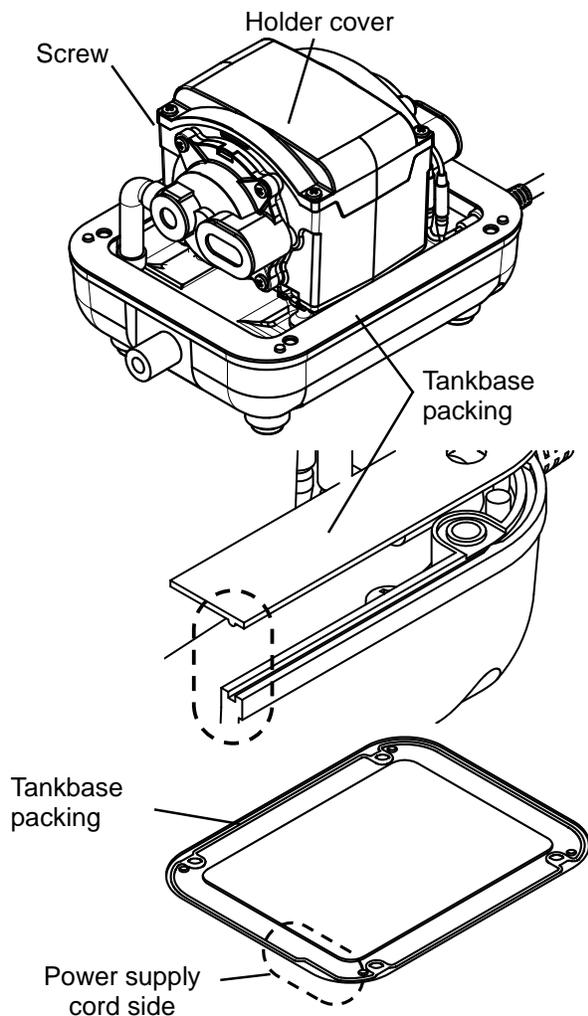
### WARNING

○ Do not touch the live parts.

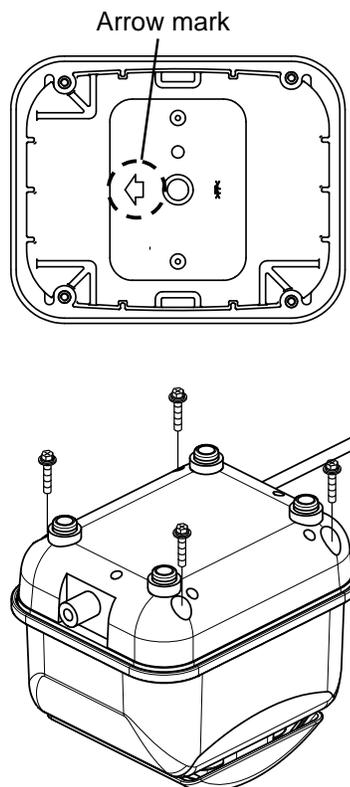
● Touching the live parts will result in electric shock.



9) Fasten the holder cover with the screws. Connect the protrusion of the tankbase packing with the notch of the tankbase.



10) The arrow mark is inside the overall cover. Make the arrow mark in line with the direction of outlet. Use nuts and screw to fix carefully.



After the assembly, connect power and check if there is air out or any noise, then install back to the original position.

### INSTRUCTIONS

- Please pay attention to the marks below in this manual.



#### WARNING

High potential risks resulting from improper handling, as it can cause death or serious injuries.



#### CAUTION

High potential risks resulting from improper handling, as in some cases it can cause serious injuries.



#### NOTE

Make additional remarks to the point in this manual. Please read it carefully.



Keep this manual available for review in case of need.

**SECOH SHANGHAI MEC LTD.**

**201306-01**