

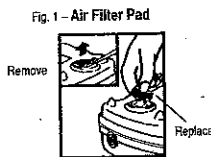


Parts List:

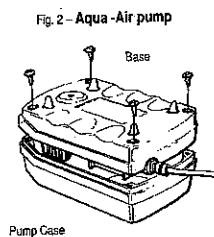
- 2 X DIAPHRAGMS
- 1 X AIR FILTER PAD
- 1 X HANDY SCREWDRIVER
- 2 X PIVOT PLUGS
- 2 X GASKETS
- 4 X VALVE RETAINERS
- 4 X FLAPPERS

Installation Instructions

1. Disconnect airline tubing. Disconnect from mains electricity supply.
2. Replace air filter pad. Prise out dirty pad from filter recess using the screwdriver, taking care not to harm the base. Insert new filter pad (Fig. 1).

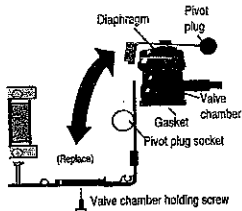


3. Remove screws and pull off base (Fig. 2).



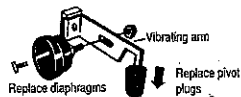
4. Unscrew valve chamber holding screws and remove diaphragm/valve chambers (Fig. 3). It should be possible to do this with the fingers but the spanner is specially shaped to help in case of difficulty. The rubber pivot plugs should detach from their sockets with the vibrating arms - otherwise carefully prise the plugs from their sockets using the screwdriver.

Fig. 3 - Diaphragm/valve chamber



5. Remove diaphragm/arm assemblies from valve chambers. Detach pivot plugs from vibrating arms and attach new pivot plugs (Fig. 4).

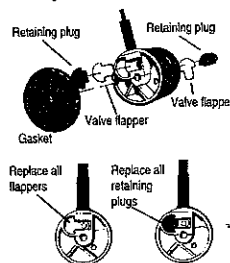
Fig. 4 - Diaphragm/arm assembly:



6. Unscrew diaphragm holding nuts and replace diaphragms. Note the vibrating arms have a slot which enables the diaphragms to be fixed in the position giving least stress. Do not tighten diaphragm holding nuts at this stage (Fig. 4).
7. The valves are located in the valve chamber and consist of thin flexible flappers held by rubber valve retaining plugs (Fig. 5). Prise the retaining plugs from the valve chambers being careful not to damage the valve seats.

The Valve Chambers may be dirty. These can be washed in water containing detergent, then rinsed and wiped with a soft cloth. Alternatively, methylated spirit on a tissue can be used. Allow to dry thoroughly at room temperature.

Fig. 5 - Valve chamber



8. Insert the new valve flappers and valve retainers. Replace diaphragm/arm assemblies on valve chambers. Replace rubber gaskets between the valve chambers and outer casing (Fig. 5).

9. Replace the whole of the diaphragms/arm assemblies/valve chambers in the outer case and screw in place (Fig. 3). Tighten nuts on diaphragm. It is best to secure the nuts with a spot of nail varnish. The diaphragms should sit evenly in position.

10. Replace base and screw into position (Fig. 2).

11. Reconnect to mains and airline tubing. If full performance is not achieved, then disconnect again from electricity supply as instructions (1) and (3) and adjust diaphragm to give optimum performance. Replace base before re-connecting to electrical supply.

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