






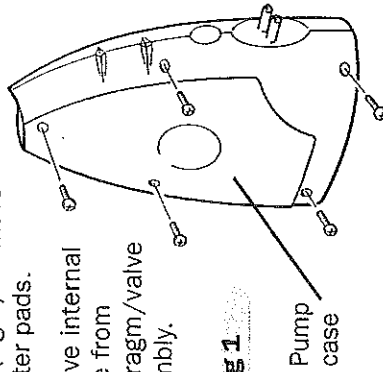


Parts List

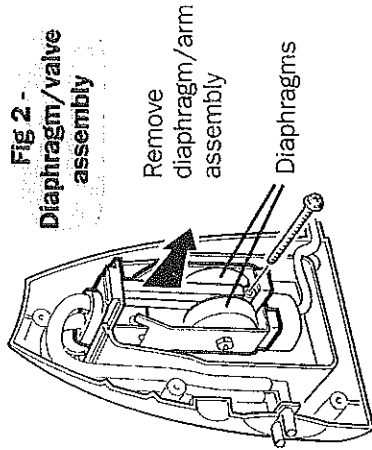
-  2 x Diaphragms
-  1 x Pair Air Filter Pads
-  1 x Handy Screwdriver
-  2 x Pivot Plugs
-  2 x Gaskets
-  4 x Valve Retainers
-  4 x Flappers

Installation Instructions

1. Disconnect airline tubing. Disconnect from mains electricity supply.
2. Remove screws and pull casing apart (Fig 1). Remove old filter pads.
3. Remove internal airline from diaphragm/valve assembly.



4. Ease out diaphragm arm assembly from top housing. Carefully prise off diaphragm from valve assembly by hand (Fig 2).



5. Unscrew diaphragm holding nuts and replace diaphragm. Replace pivot plug by squeezing old plug to reduce length so that it can be removed from the vibrating arm fork.

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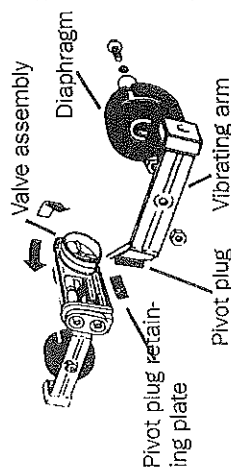
COMPLETE SPARES KIT

Suitable for AV3 AV4

6. The valves are located in the valve assembly (NB: It will help to observe the position of the parts you are about to replace before proceeding). Unscrew the plastic gasket covers and remove gaskets. The valves consist of flexible flappers held by rubber valve retainers (Fig 3).

NB: The plastic parts which are not being replaced 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 3 - Diaphragm/arm assembly



8. Replace diaphragm/arm assembly.

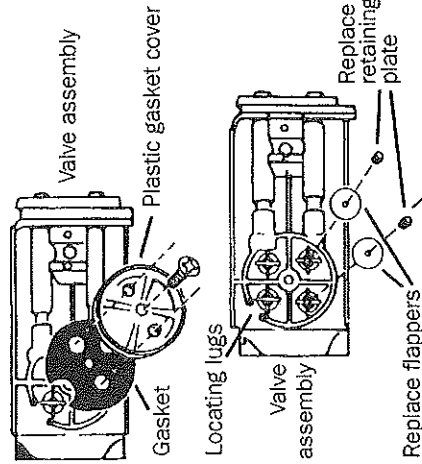
9. Place diaphragm back on valve assembly. The diaphragm should fit evenly on plastic gasket cover, but should still leave some of the plastic gasket cover visible.

10. Replace valve assembly and re-connect internal airline ensuring it does not kink.

11. Place casing together and replace screws.

12. Re-connect to mains and airline tubing. If full performance is not achieved, then disconnect again from electricity supply as instructions (1) and (2) and adjust diaphragms to give optimum performance. Replace casing before re-connecting to electrical supply.

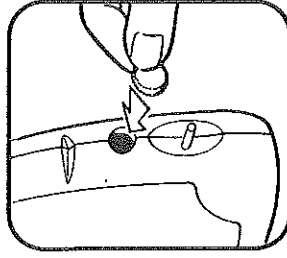
Fig 4 - Valve assembly



7. Insert the new flappers and valve retainers. Replace gaskets ensuring the holes line up with the valves and the larger cut holes sit to the sides of the raised locating lugs. Replace plastic gasket covers ensuring holes line up diagonally and screw in place.

13. Insert the new carbon filter pad (black) first and then the new white filter pad (Fig 5).

Fig 5 - Air Filter Pad



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