

SERVICE BOOK



AIR OPERATED DOUBLE DIAPHRAGM PUMP 1 1/2"

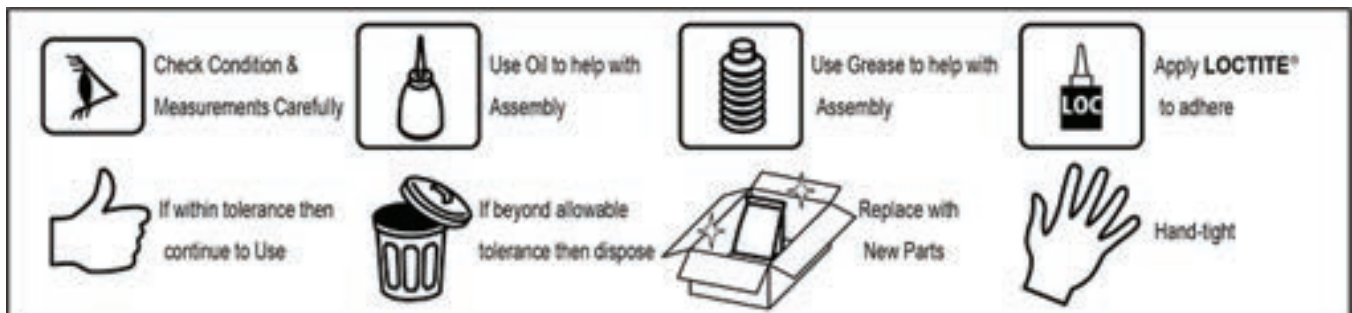
M-DDP38AN

HOW TO USE THE PUMP SERVICE BOOK

M-DDP38AN

The servicing method for each pump can be different depending on the model and size.

Description of diagrams used within the pump service book



WARNING

For your own safety and the safety of the people around you, be sure to read the procedures noted within carefully before performing maintenance on this product. After reading this document, be sure to keep it handy for future reference.

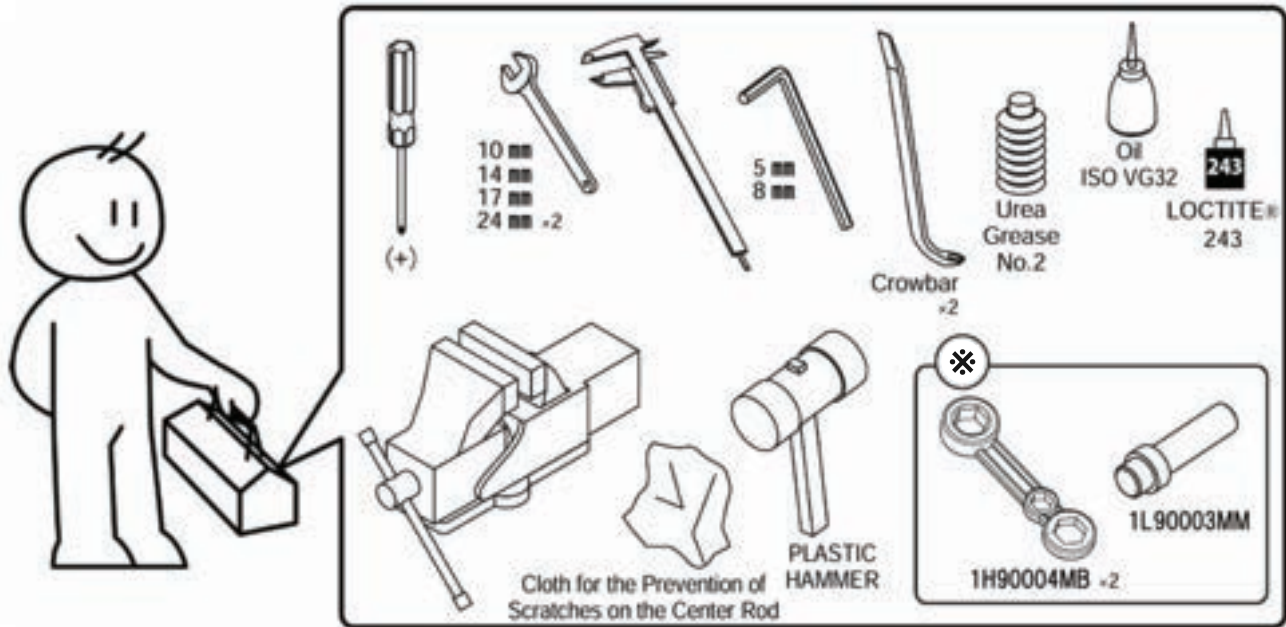
WARNING

Before commencing any maintenance work, Disconnect the compressed air supply and remove and clean any remaining liquids contained on around or within the pump. If liquids are not removed or neutralized then there is a possibility of a serious injury such as burns, blindness, poisoning or even death if chemicals adhere to the skin eyes or are accidentally inhaled or swallowed. If residual air pressure is present within the pump there could be a danger of sudden decompression or explosion resulting in severe injury or even death. In case of disassembling, be sure to wear protective equipment, such as face mask, gloves, etc.

When replacing spare parts, be sure to use genuine parts. The installation and use of non-specified parts may cause a malfunction or damage to the product.

SERVICE TOOLS

※ Sleeve Puller Tool (Can be purchased separately)



Recommended Changeover Time for the Replacement of Diaphragms ※

NBR

10 million cycles

※ Conditions; with fresh water at room temperature and 0 head
Conditions such as over pressurization, dry running high or low temperatures, Chemical attack or Abrasion etc. can drastically shorten diaphragm life.

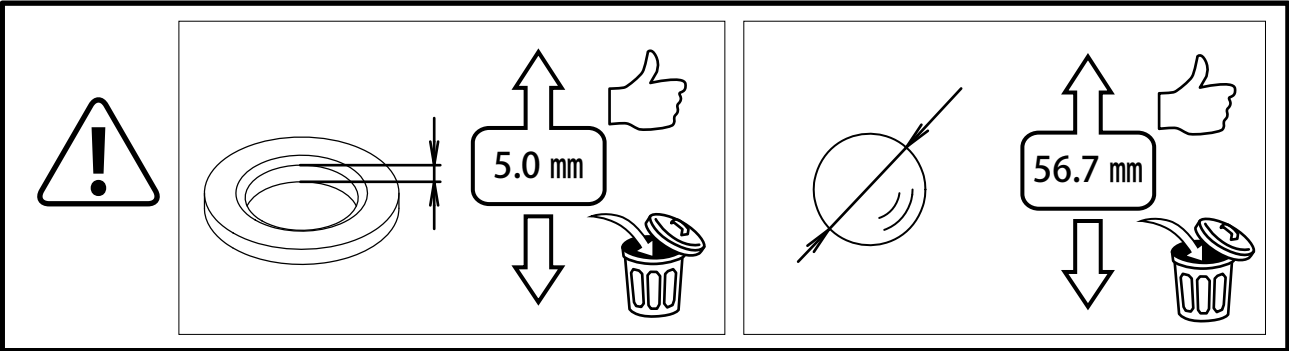
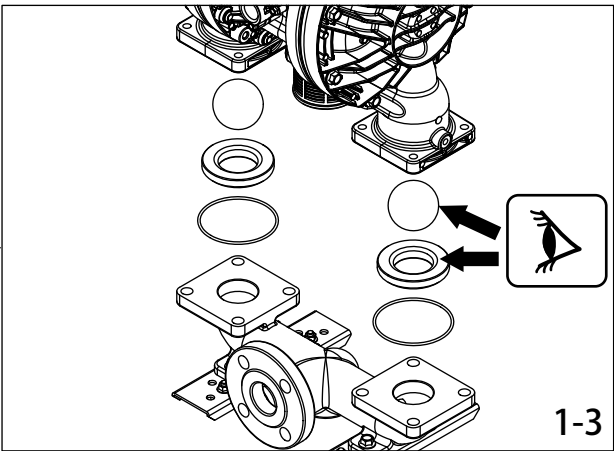
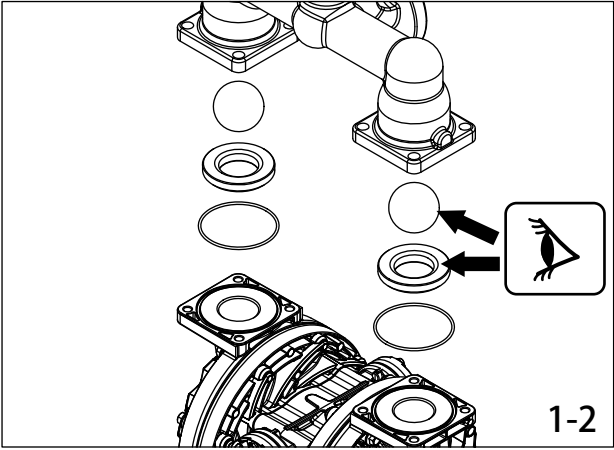
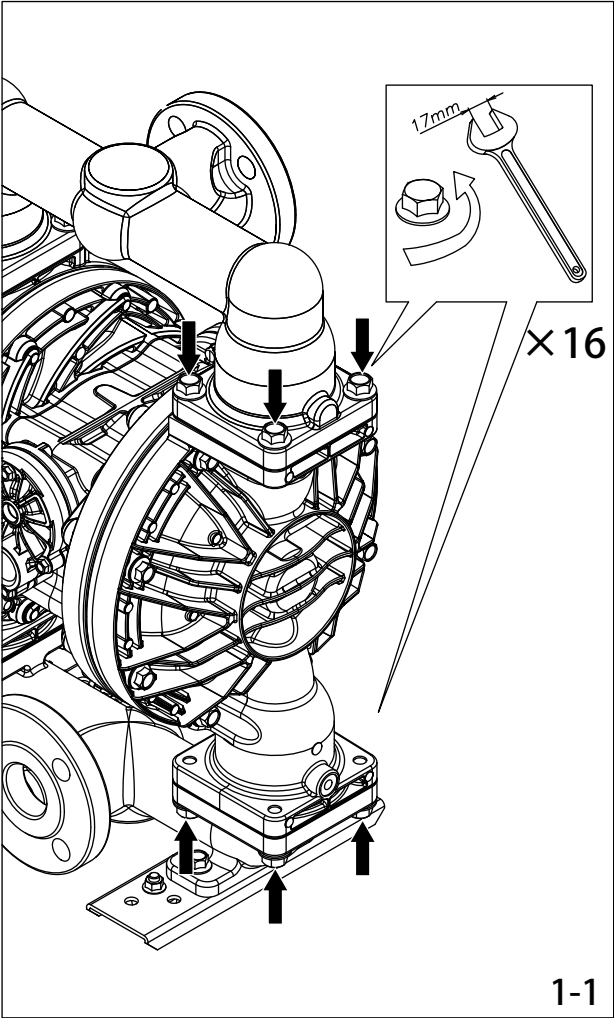
※ O-rings and packing should be replaced during service.



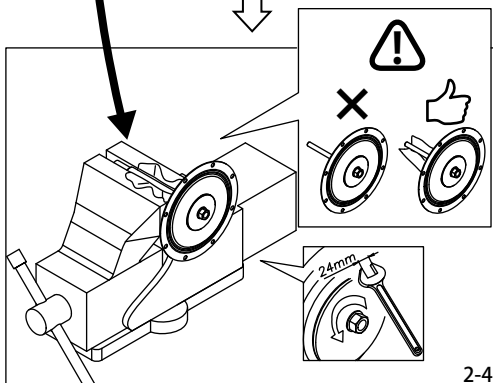
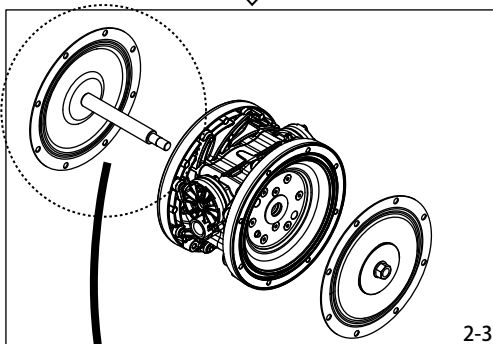
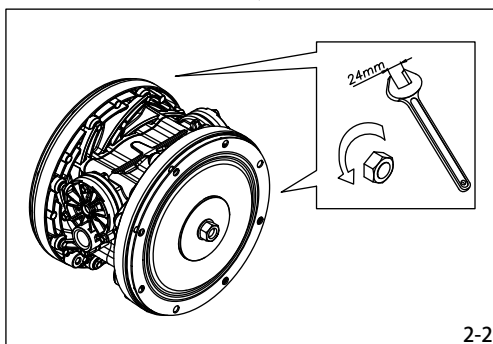
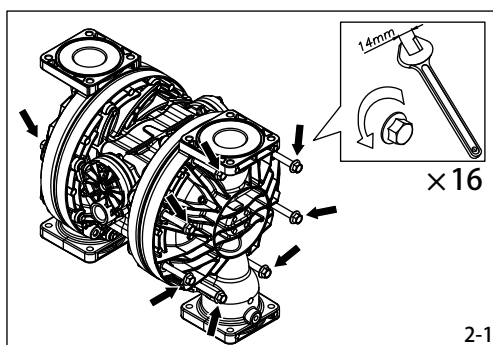
RETIGHTENING

1. Before starting operation.
2. At quarterly inspections after installation. (Biannual if the room temperature, such as in a clean room, is maintained within plus or minus 5°C of the ambient temperature.)
3. When restarting the pump with low temperature after it stops running because ambient temperature or liquid temperature becomes too high, and low while it stops.
4. If you find fluid leakage on daily inspection

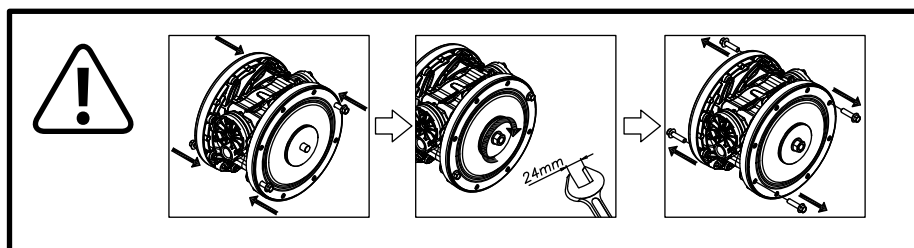
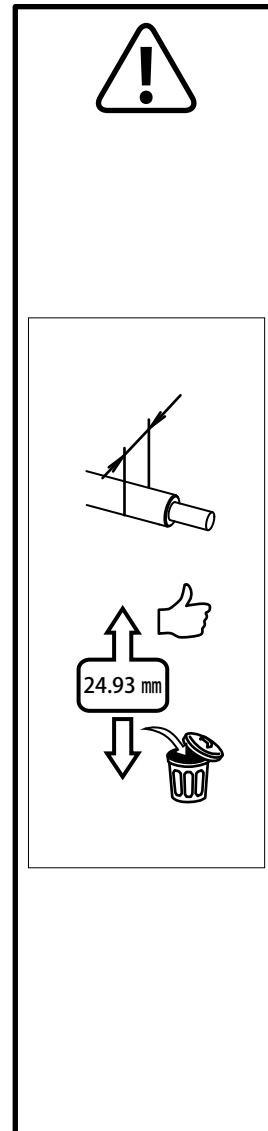
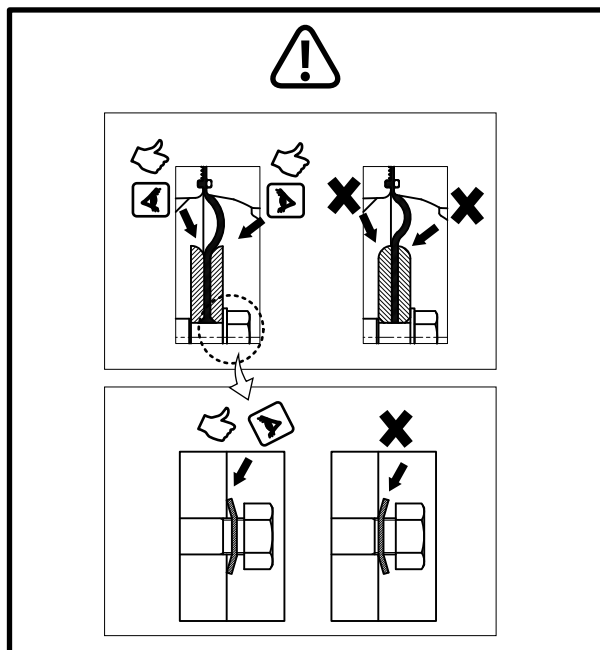
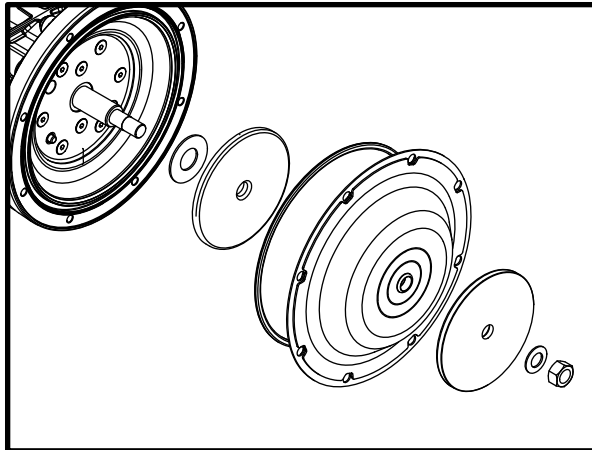
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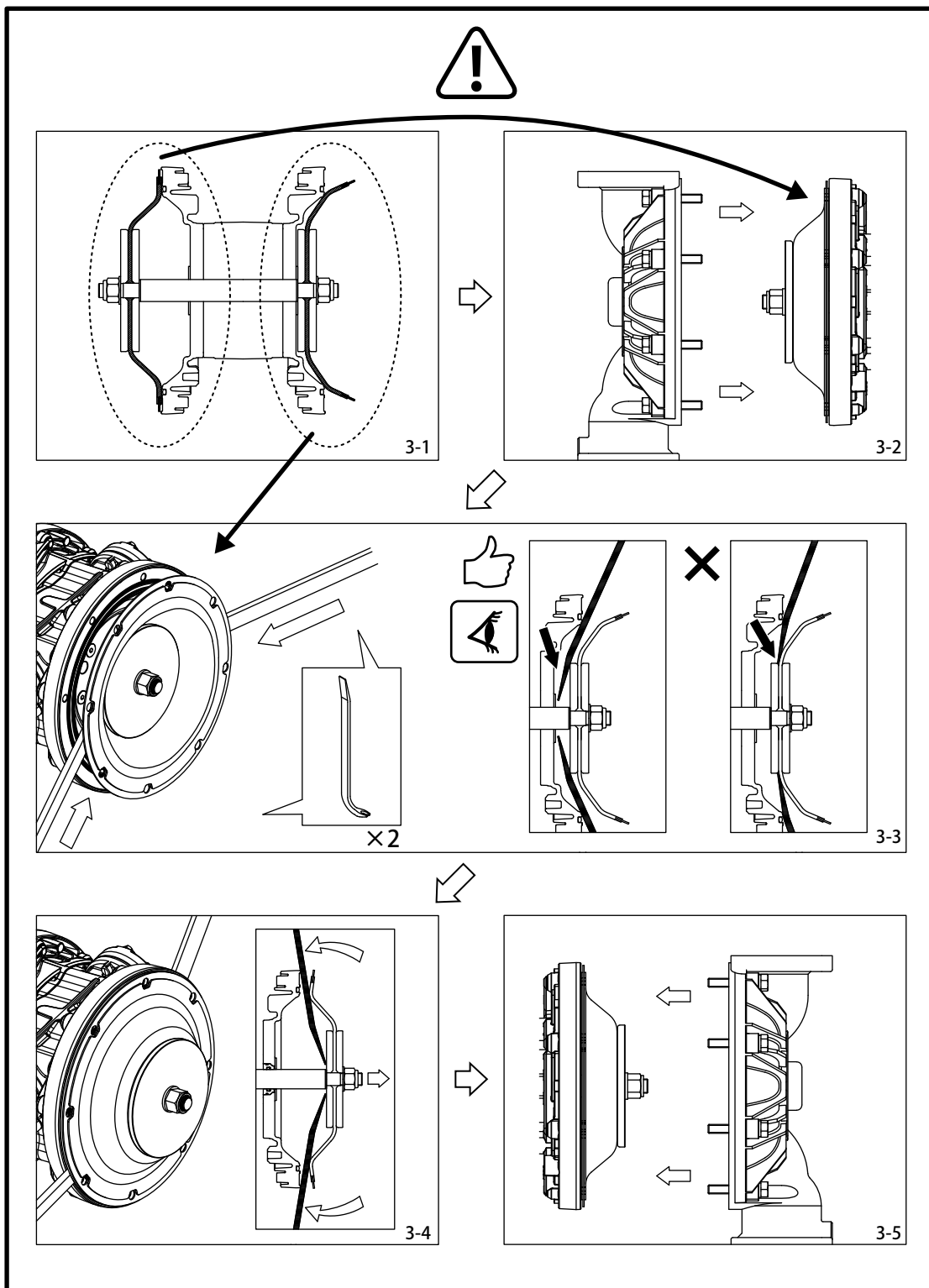
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