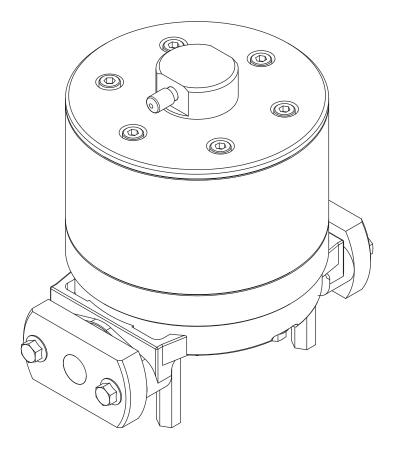
## DAMPER SERVICE BOOK



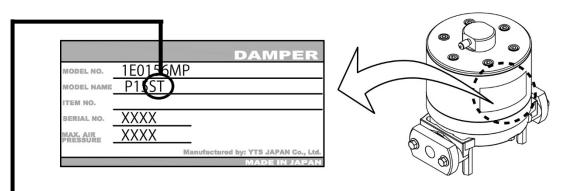


### **HOW TO USE THE DAMPER SERVICE BOOK**

#### Type 50□

• The servicing method for each damper can be different depending on the model and size. Please refer to the "Model Name" noted on the Damper Identification Label and use the below table as a page number and diagram reference guide.

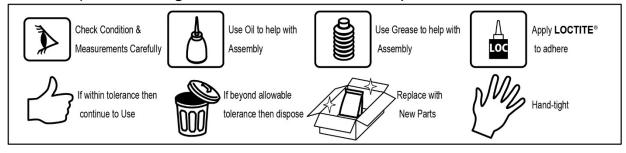
◎Damper Identification (ID) Label ◎



ł	· DIAPHRAGM · CENTRE ROD	· CENTRE DISK     · DIAPHRAGM     · Mounting Direction	· BEARING CENTRE ROD · PILOT VALVE	<ul> <li>Exploded View</li></ul>
Damper Model Code	Page Number & Diagram Reference Numbers			
AC SC AN SN AE SE AV SV	1-①	2-25	3	4-9
AH SH AS SS	1-①	2-26	3	4-9
AT ST	1-①	2-27	3	4-9
AW SW	1-3	2-31)	3	4-9
GC GE GN GV	1-②	2-28	3	4-10
GH VH GS VS	1-②	2-@	3	4-10
GT VT	1-②	2-30	3	4-10
GW VW	1-3	2-31)	3	4-10

💥 1 )Before operating the damper for the first time please re-torque all bolts. Also re-torque bolts if leaks are discovered as part of the daily inspection regime.

#### Description of Diagrams used within the Damper Service Book



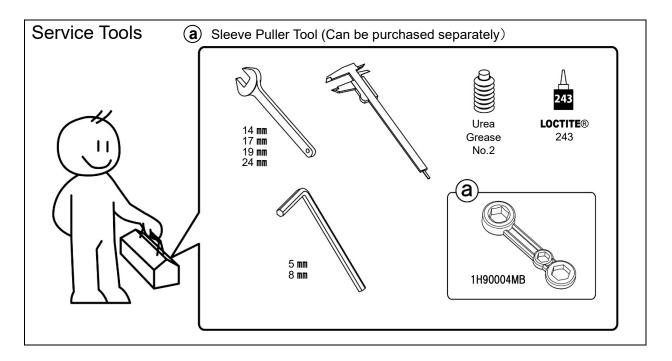
## 🖹 WARNING



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.

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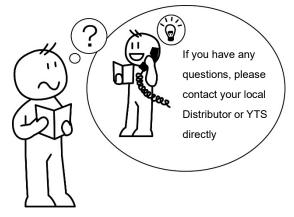
Before commencing any maintenance work, Disconnect the compressed air supply and remove and clean any remaining liquids contained on around or within the damper. If liquids are not removed or neutralized then there is a possibility of a serious injury such as burns, blindness, poisoning or even death if chemicals adhere to the skin eyes or are accidentally inhaled or swallowed. If residual air pressure is present within the damper 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 YTS parts. The installation and use of non-specified parts may cause a malfunction or damage to the product.



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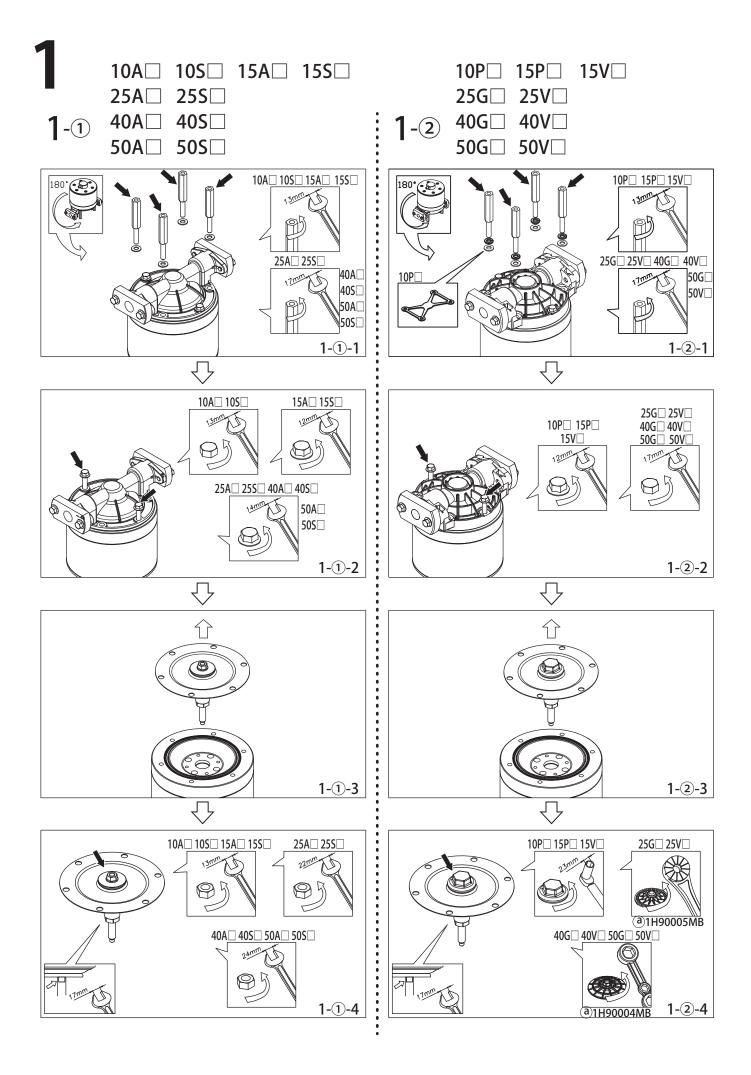
CR, NBR, EPDM	10 million cycles	
FKM	2.5 million cycles	
PTFE	3 million cycles	
TPEE, TPO	15 million cycles	
PTFE·EPDM	20 million cycles	

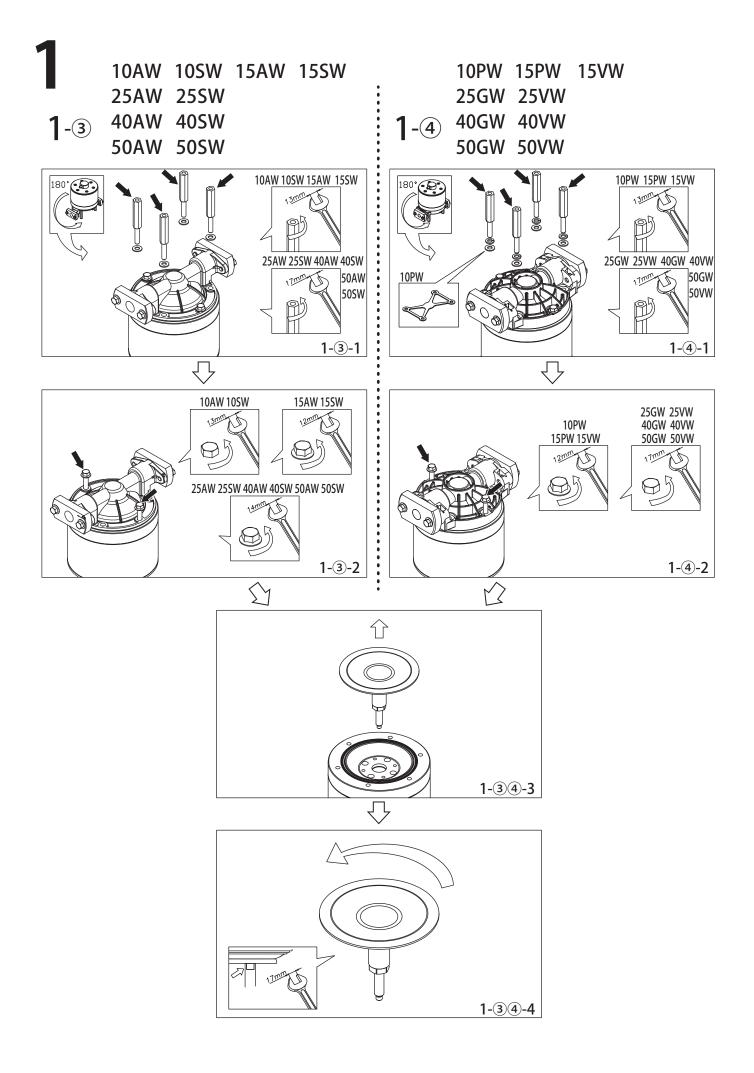
- X Conditions; with fresh water at room temperature and 0 head Conditions such as over pressurization, dry running high or low temperatures, Chemical attack or Abrasion etc. can drastically shorten diaphragm life.
- ※ O-rings and packing should be replaced during service.
- When reassembling the damper please follow the disassembly Procedure in reverse. For all torque values refer to the Exploded view on page 4.
- When ordering spare parts, please refer to the damper "SERIAL NO.". As stated on the Identification label.



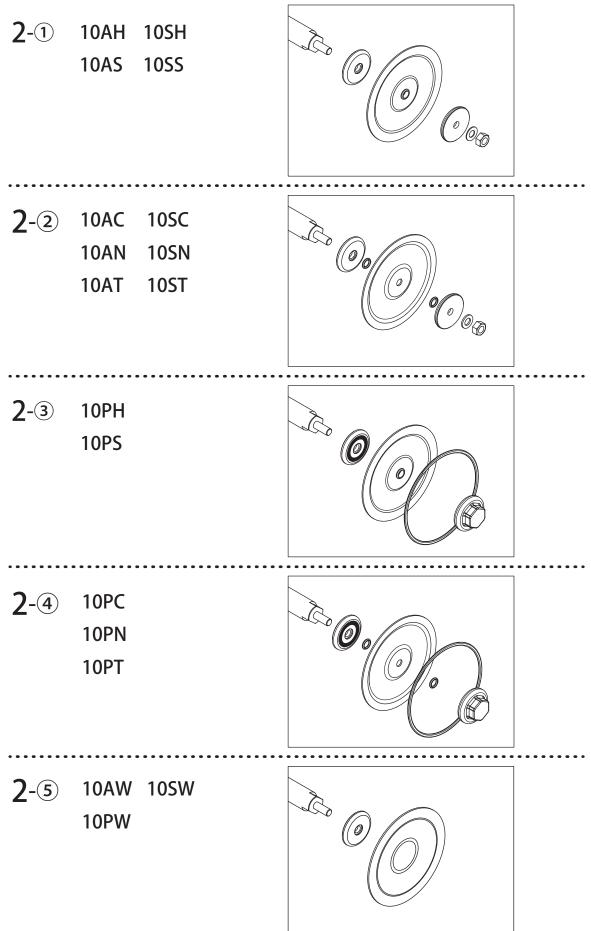
#### Retightening

- 1. Before starting operation.
- 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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