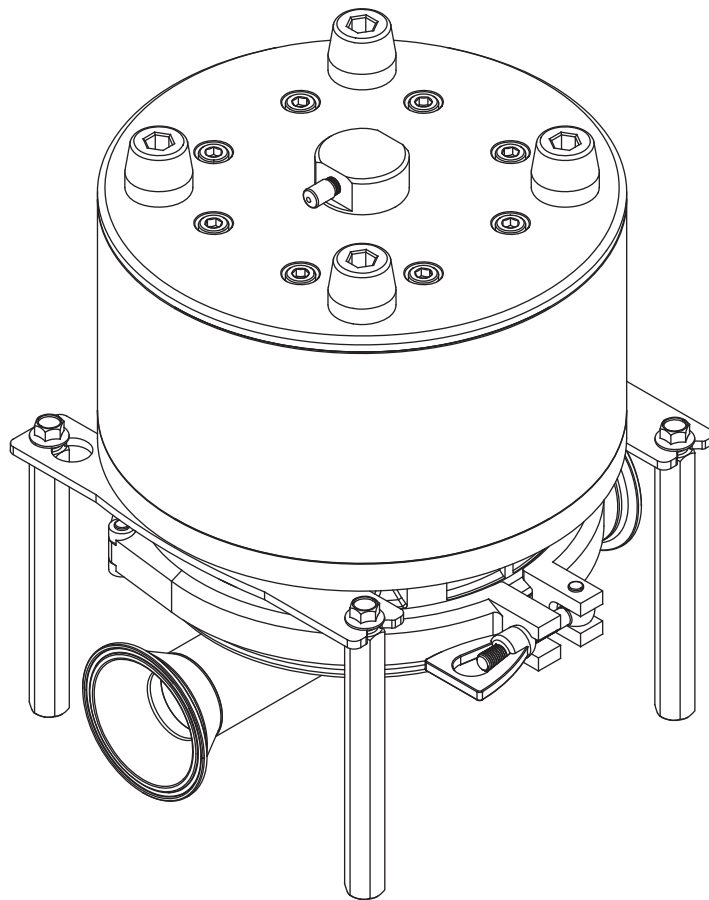


DAMPER SERVICE BOOK



50SWFR

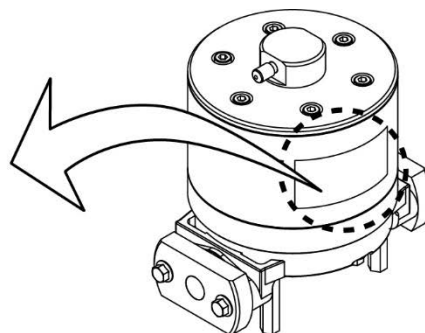
HOW TO USE THE DAMPER SERVICE BOOK

Type 50SWFR

- 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 ⊙

DAMPER	
MODEL NO.	1E0156MP
MODEL NAME	P15ST
ITEM NO.	
SERIAL NO.	XXXX
MAX. AIR PRESSURE	XXXX
Manufactured by: YTS JAPAN Co., Ltd.	
MADE IN JAPAN	



	• DIAPHRAGM • CENTRE ROD	• CENTRE DISK • DIAPHRAGM Mounting Direction	• BEARING CENTRE ROD • PILOT VALVE	• Exploded View • Assembly torque values / Re-torque values
Damper Model Code	Page Number & Diagram Reference Numbers			
SWFR	1	2	3	4

※ 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

	Check Condition & Measurements Carefully		Use Oil to help with Assembly		Use Grease to help with Assembly		Apply LOCTITE® to adhere
	If within tolerance then continue to Use		If beyond allowable tolerance then dispose		Replace with New Parts		Hand-tight

⚠ WARNING



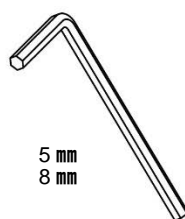
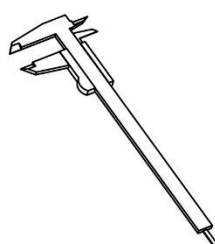
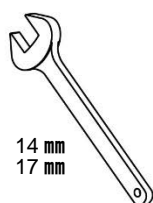
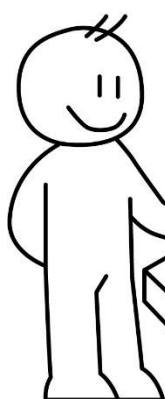
For your own safety and the safety of the people around you, be sure to read the procedures noted within carefully before performing maintenance on this product. After reading this document, be sure to keep it handy for future reference.

⚠ WARNING



Before commencing any maintenance work, Disconnect the compressed air supply and remove and clean any remaining liquids contained on around or within the 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.

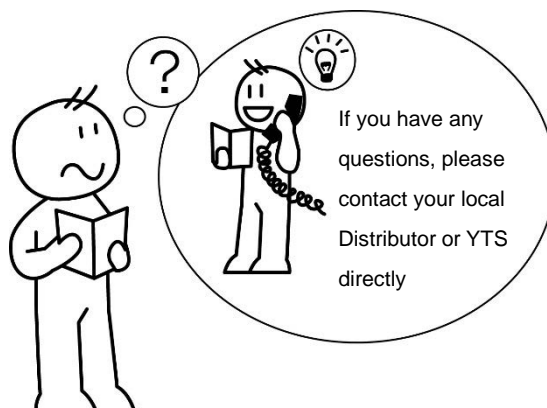
Service Tools



Recommended Changeover Time for the Replacement of Diaphragms ※

PTFE/EPDM	6 million cycles
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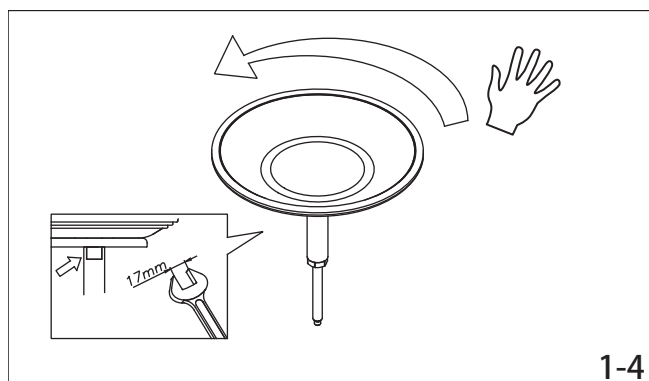
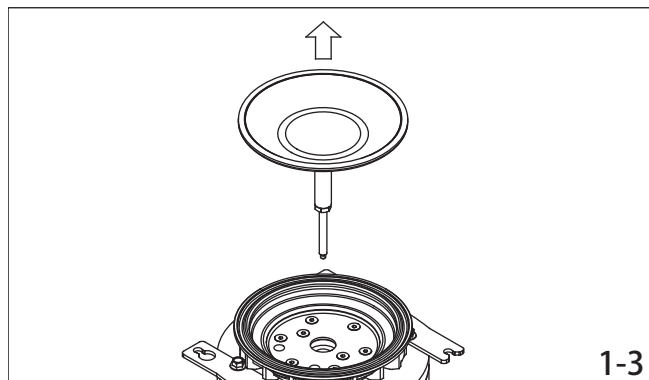
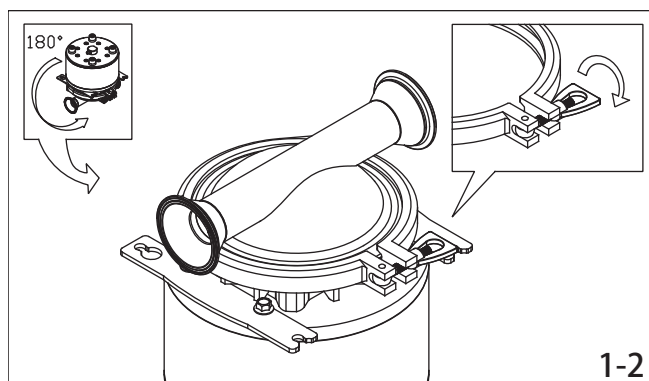
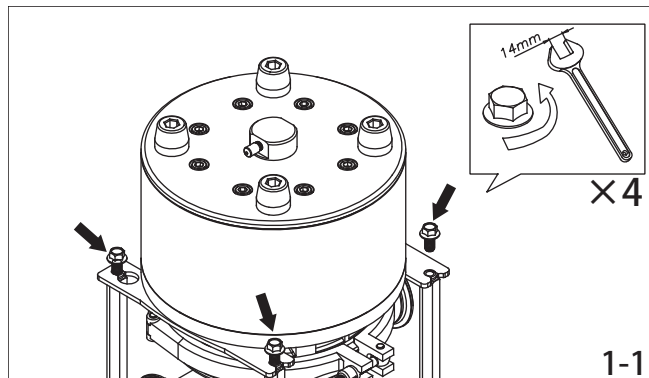
- ※ Conditions; with fresh water at room temperature and 0 head
Conditions such as over pressurization, dry running high or low temperatures, Chemical attack or Abrasion etc. can drastically shorten diaphragm life.
- ※ O-rings and packing should be replaced during service.
- ※ When reassembling the damper 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.



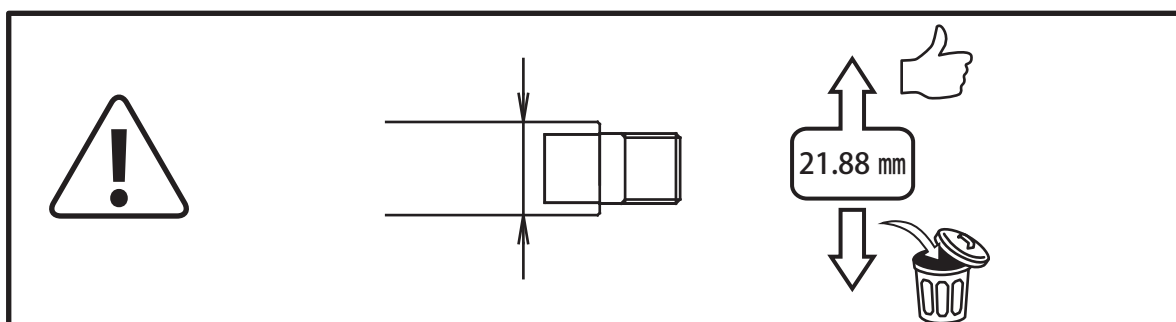
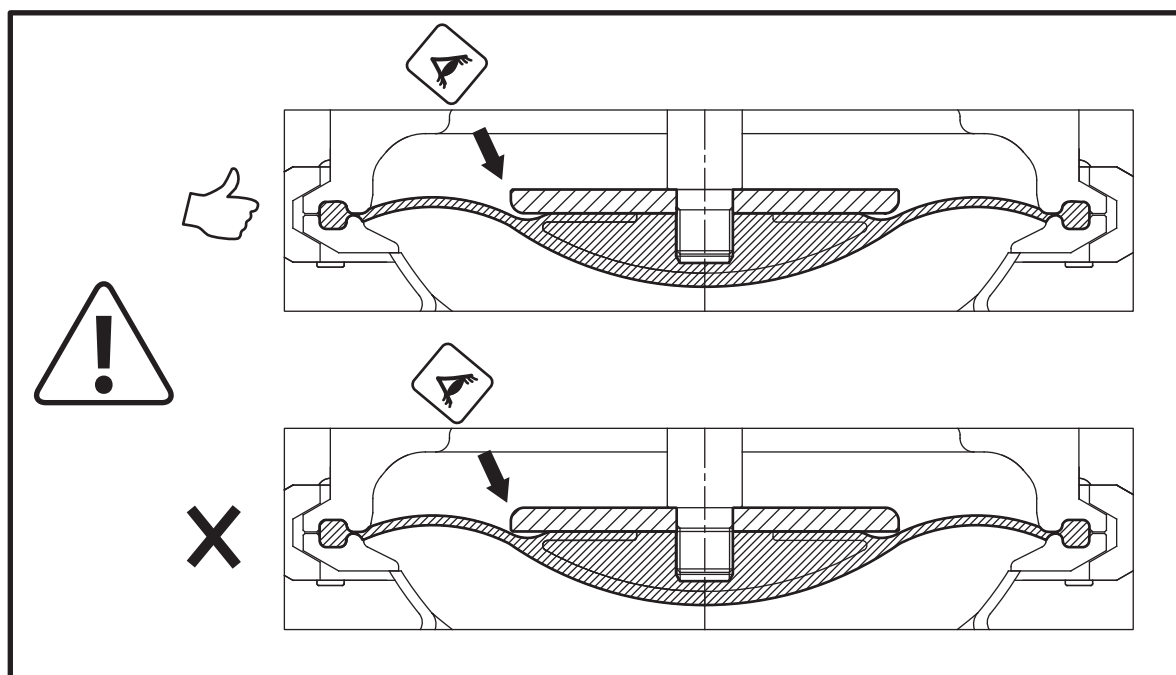
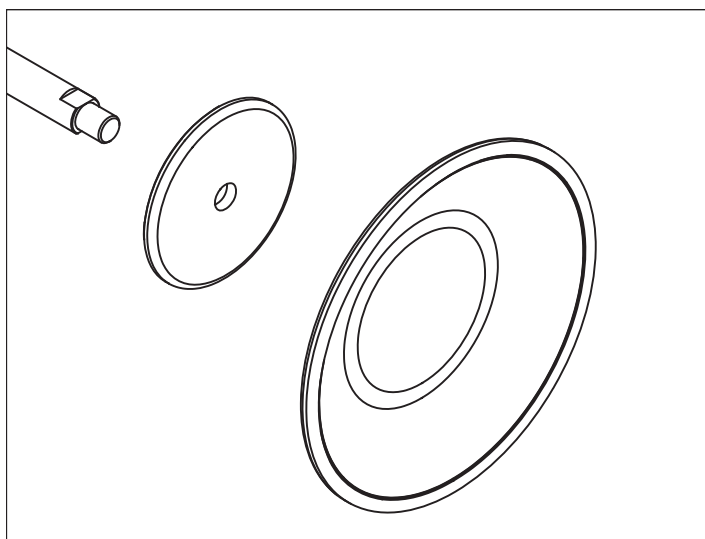
Retightening

1. Before starting operation.
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.

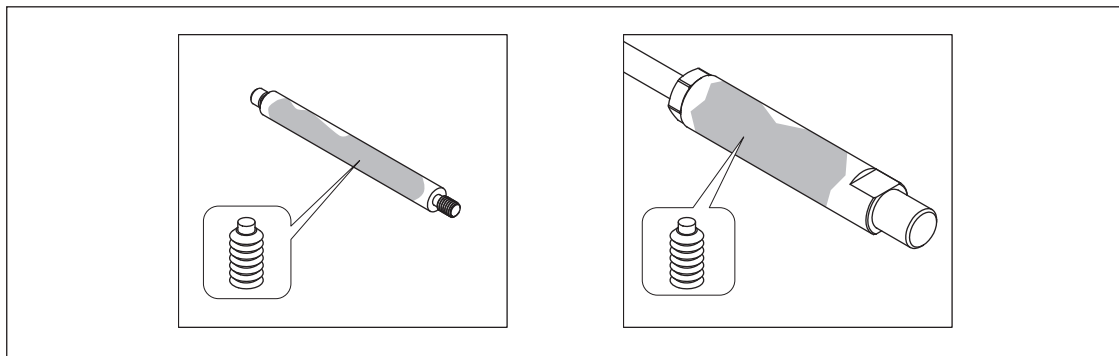
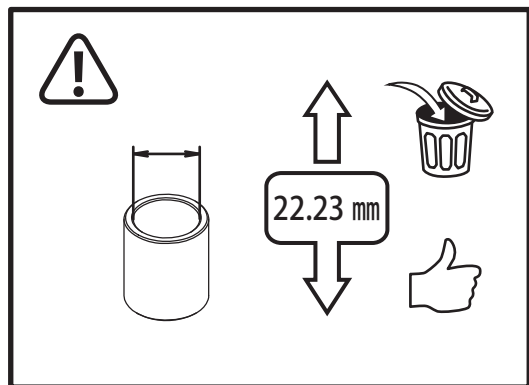
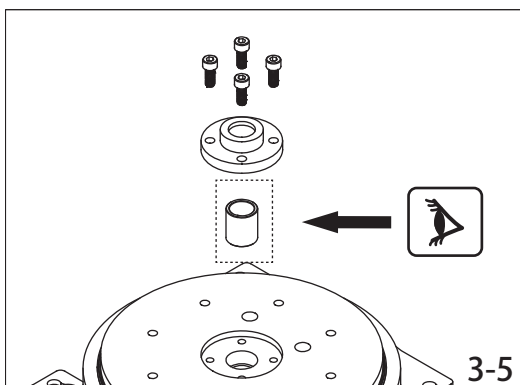
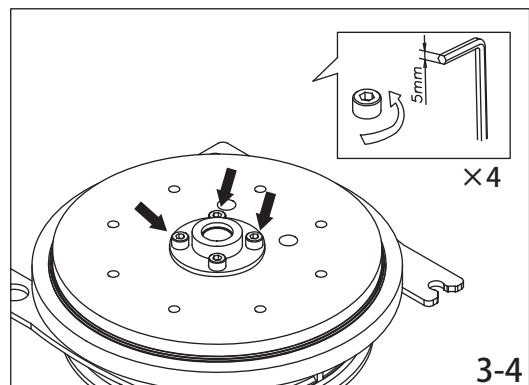
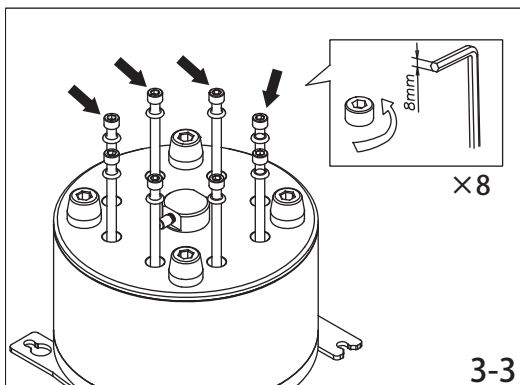
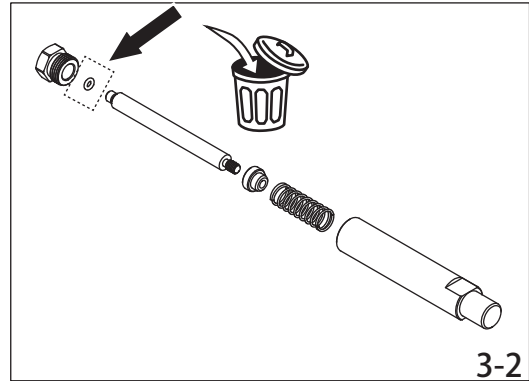
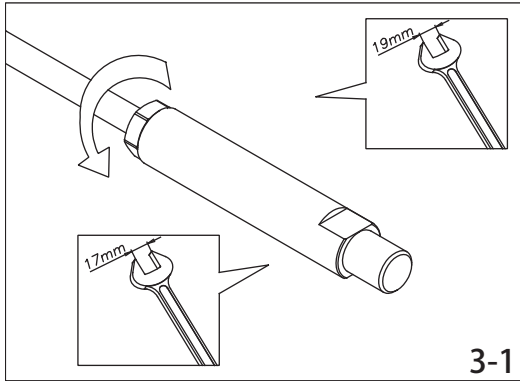
1



2



3



4

