

LA-F type MEDO BLOWER for Septic Tank,
Spare Parts Replacement Manual

LA-200F

CAUTION Please read this manual carefully and fully understand the contents before maintenance and management.

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Safety Caution Be sure to observe the following

Description of pictorial indications (terms and indications)

Be aware that the term (caution) used in this manual indicates danger as follows:

| Term | Level of danger indicated by the term |
|----------------|---|
| CAUTION | This term indicates the supposed possibility of injury or property damage if an operation is performed in disregard of this caution or a wrong operation is performed without sufficient understanding of this caution. |

Be aware that the symbols used in this manual are described as follows:

| Symbol | Indication of symbol |
|--------|---|
| | This symbol informs you that there is a description to call attention to a hazard (danger / warning included). The detailed contents (general caution in the case at left) are described in or near this symbol with a picture, a term, a directive statement, or the like. |
| | This symbol informs you of (prohibited) acts to avoid danger. The detailed prohibited acts (general prohibited act in the case at left) are described in or near this symbol with a picture, a directive statement, or the like. |
| | This symbol informs you of (compulsory) acts to be surely required to avoid danger. The detailed acts to be surely required (general compulsory act in the case at left) are described in or near this symbol with a picture, a directive statement, or the like. |

Items requiring extra attention

Be sure to observe the following to prevent a malfunction or an accident with the blower.

CAUTION ... Prevention of electrical shock and ignition accident

- Do not install the blower where there is a risk that the blower is submerged or covered with snow.
- For the blower power supply, use a waterproof electric outlet.
- Please use by connecting to an AC voltage (specified voltage) where an earth leakage circuit breaker, and an overcurrent circuit breaker are installed.
- The electric work must always be conducted by an expert engineer.
- Do not place anything within approximately 50 cm from the blower.
- Do not put anything on the power cord.
- Be sure to disconnect the power plug from the electric outlet before disassembling the blower.
- Be sure to put the removed Upper case back after inspecting the blower.
- Be sure to put the removed filter cover back after inspecting the blower.

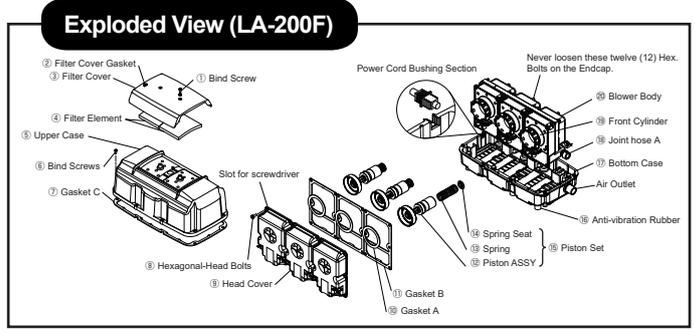
Failure to observe these cautions may cause an electric shock accident or a fire.

- Be sure to wear working gloves or the like at disassembly or repair.

Failure to observe this may cause a burn.

Configurations of the repair parts

| Model | Part No. | Part name | Q'ty |
|---------|----------|----------------|-------|
| LA-200F | LB09272 | Piston ASSY | 3 Set |
| | LQ08572 | Spring | 3 |
| | LP13861 | Spring seat | 3 |
| | LQ02605 | Filter element | 2 |
| | LQ07860 | Gasket A | 3 |
| | LQ07861 | Gasket B | 3 |



1. Precautions

- Our blower is an oil-free type; therefore, never lubricate the blower.
- The main unit of the blower is precisely adjusted; therefore, never disassemble the unit. (Never loosen the 12 hexagonal-head bolts on the rear of the main unit.)

2. Cleaning and replacement of filter element

- Be sure to perform cleaning or replacement after disconnecting the power plug from the electric outlet.
- Alternately loosen the 1 2 Bind screws, and remove the 3 Filter cover.
- Take out the 4 2 Filter elements from the 5 Upper Case, replace the elements with new ones or clean the elements. At this moment, wipe dust off the filter element mounting face and suction part of the 5 Upper Case with a cloth or the like.
- Clean the 4 Filter element as follows
 - Beat the 4 Filter element to drop dust sufficiently.
 - If the element is severely dirty, use a neutral detergent to wash it, rinse it well, and dry it in the shade.
- Confirm that the 2 Filter Cover Gasket is inside the 3 Filter cover, and fit them together.
- Be sure to mount the 3 Filter cover, and alternately tighten the 1 2 Bind screws to secure it.
- When replacing the filter element, be sure to use a genuine filter element. Failure to observe this may cause a malfunction.

3. How to replace the pistons

- Be sure to perform replacement after disconnecting the power plug from the electric outlet.
- Remove the 5 Upper Case and 7 Gasket C, then remove the power cord bushing section and the 16 Joint hose A from the 17 Bottom Case. Remove the 16 Anti-vibration Rubbers from the 20 Blower Body (8 places), and remove the 17 Bottom Case. Use a box wrench to loosen the 9 18 Head Cover 8 Hexagonal-head bolts, and remove the 9 Head Cover. If the gasket is glued too tightly and it is hard to remove the cylinder cover, insert a flat blade screwdriver into the groove for flat blade screwdriver of the 9 Head Cover and gently separate them.
- After removing the three 19 front cylinders, take out the 15 3-Piston set.
- Replace the 15 3-Piston set, 10 3 Gaskets A, and 11 3 Gaskets B with new ones. Be absolutely careful not to let dirt, oil, or other foreign matter attach to the sliding part of the 12 Piston assembly. Do not touch the moving parts as much as possible.
- For the 15 Piston set replacement, be sure to replace the 3-Piston set assembly at the same time.
- After inserting the 15 3-Piston set, install the three 19 front cylinders into the Blower main unit. Turn the pistons with your fingers, and check that they easily rotate, then firmly press in the 10 Gaskets A into the three spots in the 9 Head Cover, and firmly press the 11 Gaskets B into the three spots in the 16 Blower main unit, and tighten the 9 Head Cover with the 8 Hexagonal-head bolts. Tighten the 8 18 Hexagonal-head bolts uniformly a few times each in turns, and strongly tighten them.
- Insert the 16 Joint hose A all the way into the 17 Bottom Case, and attach the Anti-vibration Rubbers to the 20 Blower Body (8 places). Insert the power cord bushing section all the way into the 17 Bottom Case.
- After assembly, connect the power plug to the electric outlet and operate the product. Confirm that there is no air leakage from the 9 Head Cover, and other areas while blocking the discharge nipple with your finger. If air leakage is found, tighten the 8 Hexagonal-head bolts uniformly again, or check to see whether the 10 Gaskets A and 11 Gaskets B are appropriately placed.
- If there are no problems, check that 7 Gasket C is securely seated on the 17 Bottom Case. Then, put the 5 Upper Case over the 17 Bottom Case, and uniformly tighten the 8 8 Bind screws bit by bit.

Piston cross-sectional view

CAUTION

- Fix the spring into the piston by rotating it clockwise.
- Check that grease is present on the convex face of the spring seat. (If no grease is present, please contact your supplier)
- Never use standard grease as it may cause a malfunction.
- Keep the Sliding part away from dust, swarf, water, oil or grease.