

MEDO LAM BLOWER MAINTENANCE MANUAL

LAM-200

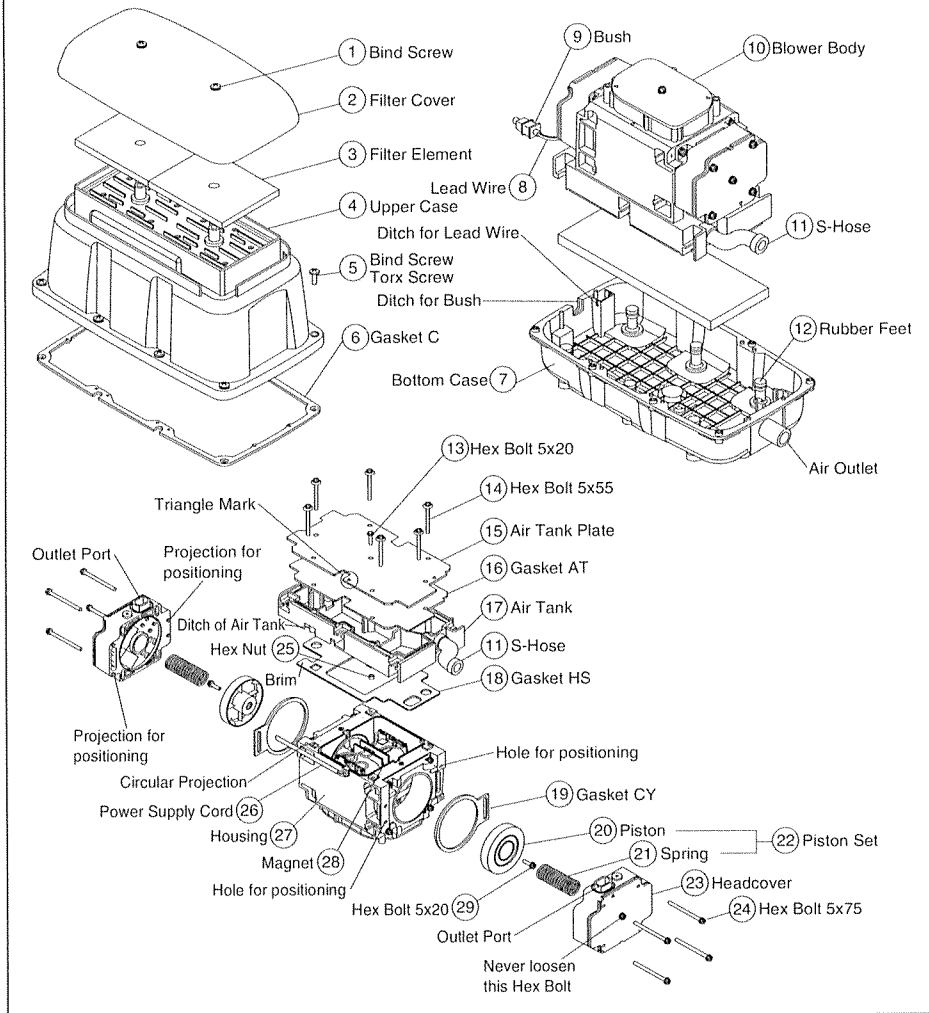


This instruction manual should be read and understood thoroughly before any maintenance work is executed.

Contents of Repair parts kit

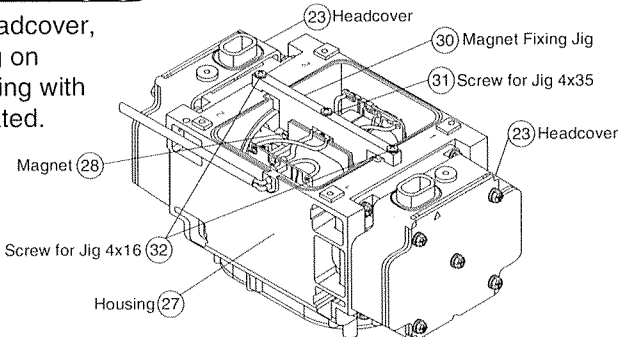
Model	Parts Name	Q'ty	Parts Name	Q'ty	Parts Name	Q'ty
LAM-200	Magnet Fixing Jig	1	Gasket AT	1	Piston Set	2
	Screw for Jig 4x35	1	Gasket CY	2	Filter Element	2
	Screw for Jig 4x16	2	Gasket HS	1	Instruction Manual	1

Exploded View (LAM-200)



Setting method of Magnet Fixing Jig

Before taking off ②③ Headcover, fix ③④ Magnet Fixing Jig on ②⑧ Magnet and ②⑦ Housing with ③①③② Screws, as illustrated.



1. Cautions

- (1) MEDO blowers are OILLESS. Never lubricate them. ☹
- (2) All blowers have already been precisely adjusted. Never disassemble them except for maintenance of Filter Element or replacement of Piston. ☹

2. Replacement of Filter Element

- (1) Be sure to unplug the blower before starting the replacement work. ⚡ ⚠
- (2) Loosen ① Bind Screw and remove ② Filter Cover.
- (3) Remove ③ Filter Elements from ④ Upper Case and replace it with new ones. At the same time, clean the air inlet of ② Filter Cover and ④ Upper Case.
- (4) Mount ② Filter Cover on to ④ Upper Case, then tighten with ① Bind Screws.
- (5) **Filter Element replacement period**

It is recommended that ③ Filter Elements is cleaned or replaced with a new ones depending on the extent of its deterioration as determined by the atmospheric conditions around the installation point.

③ Filter Elements should be checked every three months.

3. Replacement of Piston Set

- (1) Be sure to unplug the blower before starting the replacement work. ⚡
- (2) Take off ④ Upper Case and ⑥ Gasket C and detach ⑨ Bush of ②⑥ Power Supply Cord and ①① S-Hose from ⑦ Bottom Case.
- (3) After detaching ⑫ Rubber Feet from ⑩ Blower Body, pick them off ⑦ Bottom Case. Be careful not to scar ⑫ Rubber Feet. We recommend using a flat driver.

- (4) After turning ⑩ Blower Body upside down, loosen only ⑭ Hex Bolt 5 x 55 (6 pcs.) and detach ⑪ Air Tank. At this stage, never loosen ⑬ Hex Bolt 5 x 20. If ⑮ Gasket HS does not come off easily, insert a flat driver between ⑪ Air Tank and ②⑦ Housing.
- (5) Take off ⑮ Gasket HS.
- (6) Fix ③④ Magnet Fixing Jig on ②⑧ Magnet and ②⑦ Housing with two ③① Screws. Use ③① Screw to fasten ②⑧ Magnet and ③② Screws to fasten ②⑦ Housing.
- (7) Put ⑩ Blower Body upright, so that ②③ Headcover lies flat. Loosen ②④ Hex Bolt 5 x 75 (4 pcs.) evenly until ②③ Headcover comes up by approx. 5 mm. (Never remove ②④ Hex Bolt 5 x 75. Just loosen them at this stage.) **Never loosen the Hex Bolt in the center of ②③ Headcover.** Be sure that ②③ Headcover comes off ②⑦ Housing. (By recoil of ②① Spring, it will happen.) In case that ②③ Headcover does not come off, insert a flat driver between ②③ Headcover and ②⑦ Housing. From this condition, loose ②④ Hex Bolt 5 x 75 (4 pcs.) and take ②③ Headcover off ②⑦ Housing. Pick off ①⑨ Gasket CY.
- (8) Loosen ②⑨ Hex Bolt 5 x 20. And pull off ②② Piston Set.
- (9) Replace ②② Piston Set with a new one. Be sure that ②① Spring is securely fixed on ②② Piston. Be careful that dust or oil never adheres to the moving part (Black) of ②② Piston. Preferably avoid touching the surface of the moving part.
- (10) Replace ①⑨ Gasket CY with a new one. Paying attention to the direction of elliptic hole, place it securely on ②⑦ Housing.
- (11) Fix ②③ Headcover, as if laying it on ②① Spring. Paying attention to the direction of Outlet Port of ②③ Headcover, fit the thread part of ②⑦ Housing to the hole position of ②③ Headcover. Fasten ②④ Hex Bolt 5 x 75 evenly and little dividing into several times. After making sure that Projections for positioning on ②③ Headcover fit perfectly to Holes for positioning on ②⑦ Housing, fasten them fast towards the end.
- (12) Replace another ②② Piston Set and ①⑨ Gasket CY in the same ways. Replace ②② Piston Set and ①⑨ Gasket CY one side by one side without fail. (Never detach both the two ②③ Headcovers at the same time.)
- (13) Make sure to take out ③④ Magnet Fixing Jig after replacement of both ②② Piston Sets.
- (14) Unfasten ⑬ Hex Bolt 5 x 20 in the center of ⑪ Air Tank and replace ①⑥ Gasket AT with a new one. Hold ②⑤ Hex Nut in the back of ⑬ Hex Bolt 5 x 20 not to drop it. After replacing ①⑥ Gasket AT, fasten again ⑬ Hex Bolt 5 x 20 in the center.
- (15) Put a new ①⑧ Gasket HS. Fit Brim of ①⑧ Gasket HS to Circular Projection of ②⑦ Housing.
- (16) Place ⑪ Air Tank on ②⑦ Housing with ⑭ Hex Bolt 5 x 55 (6 pcs.). Set Triangle Mark on ①⑤ Air Tank Plate to the side of ②⑥ Power Supply Cord. Insert ②⑥ Power Supply Cord deep in Ditch of ⑪ Air Tank. Fasten ⑭ Hex Bolts 5 x 55 (6 pcs.) evenly and little by little dividing into several times. At the end fasten the Bolts and ⑬ Hex Bolt 5 x 20 fast.
- (17) Place ⑩ Blower Body onto ⑫ Rubber Feet on ⑦ Bottom Case. Insert ⑫ Rubber Feet deep and securely.
- (18) Insert ①① S-Hose deep and securely to the nipple inside ⑦ Bottom Case.
- (19) Insert ⑧ Lead Wire of ②⑥ Power Supply Cord and ⑨ Bush deep to ⑦ Bottom Case.
- (20) After finishing assembly, connect the Power Supply and make trial operation. Block up Air Outlet by your finger and make sure that no leakage of air out from area of ①⑧ Gasket HS and ①⑨ Gasket CY.
- (21) After making sure of no issues, place ⑥ Gasket C securely and cover ④ Upper Case on ⑩ Blower Body. Fasten ⑤ Bind Screw (8 pcs.) evenly and little by little dividing into several times to finish up the replacement work.

Safety Instructions

Explanation of Diagrammatic Expressions

The term "Attention" as used in this manual is to alert you to dangers such as the following:

Clause

The degree of Danger Indicated by "Attention" clauses.



ATTENTION

Such clauses indicate the possibility that continuing to work while ignoring the "Attention" clause, or working with negligence, may cause personal injury or property damage.

The Meanings of the Symbols

Symbols



This symbol advises you of an item which should **BE NOTED** (including Danger or Warning). Accompanying notes may include a picture or explanatory text inside the triangle or next to the symbol mark.



This symbol advises you of an action which must **NOT BE TAKEN (IS PROHIBITED)** in order to avoid danger. The general actions which must not be taken will be shown by a picture or explanatory text inside or next to the symbol mark.



This symbol advises you of an action which **must BE TAKEN (IS MANDATORY)** in order to avoid danger. The action which must be taken will be shown by a picture or explanatory text inside the circle or next to the symbol mark.

Safety and Operating Instructions

The following safety precautions should always be followed to reduce the risk of breakdown and/or accidents.



ATTENTION • • • To Prevent Electric Shock And Fire

- ① Don't install the blower where it may be flooded with water and buried in snow. ☹
 - ② Electrical work must be done by a qualified electrician. ⚡
 - ③ The power supply should be the rated voltage shown on the label on the blower and be fitted with earth leakage and over current breakers. ⚡
 - ④ The power outlet used should be waterproof and include an earth connected to the ground. ⚡
 - ⑤ If the power supply cord is damaged, it must be replaced by the manufacturer or its service agent or similarly qualified person in order to avoid a hazard. ⚡
 - ⑥ Don't place any objects on the power supply cord. ☹
 - ⑦ Be sure to unplug the blower before starting maintenance. ⚡
 - ⑧ Be sure to replace the Upper Case and Filter Cover after maintenance. ⚡
- Ignoring any of the above ①-⑧ may cause an electric shock or a fire.
- ⑨ Don't touch the metal part of the blower until it has cooled down as the blower runs very hot. ☹
- Ignoring the above ⑨ may cause a burn.