MEDO LAM BLOWER MAINTENANCE MANUAL

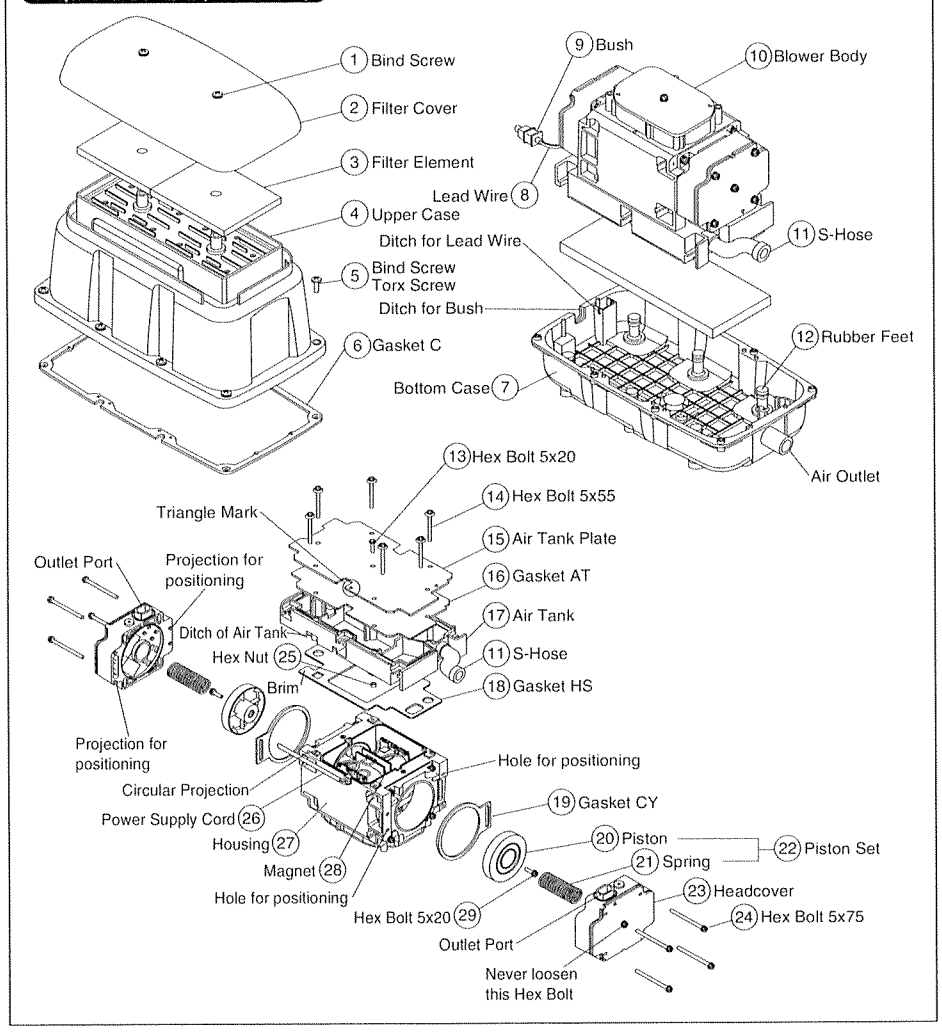
LAM–200

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

Contents of Repair parts kit

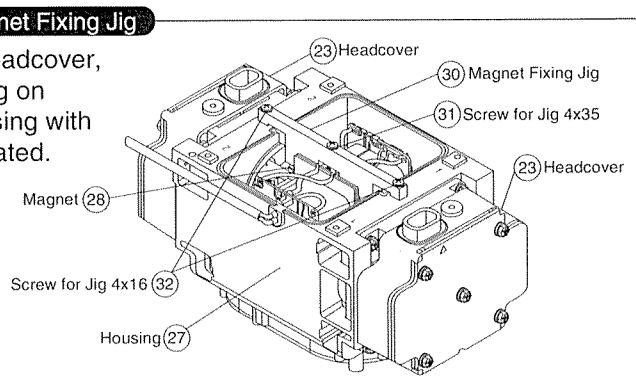
Model	Parts Name	Q'ty	Parts Name	Q'ty	Parts Name	Q'ty
LAM-200	Magnet Fixing Jig	1	Gasket AT	1	Piston Set	2
	Screw for Jig 4x35	1	Gasket CY	2	Filter Element	2
	Screw for Jig 4x16	2	Gasket HS	1	Instruction Manual	1

Exploded View (LAM-200)



Setting method of Magnet Fixing Jig

Before taking off ㉓Headcover, fix ㉚Magnet Fixing Jig on ㉘Magnet and ㉗Housing with ㉛㉜Screws, 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 ①Bind Screw and remove ②Filter Cover.
(3) Remove ③Filter Elements from ④Upper Case and replace it with new ones.
At the same time, clean the air inlet of ②Filter Cover and ④Upper Case.
(4) Mount ②Filter Cover on to ④Upper Case, then tighten with ①Bind Screws.
(5) Filter Element replacement period
It is recommended that ③Filter Elements is cleaned or replaced with a new ones depending on the extent of its deterioration as determined by the atomospheric conditions around the installation point.
③Filter 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 ④Upper Case and ⑥Gasket C and detach ⑨Bush of ㉖Power Supply Cord and ⑪S-Hose from ⑦Bottom Case.
(3) After detaching ⑫Rubber Feet from ⑩Blower Body, pick them off ⑦Bottom Case.
Be careful not to scar ⑫Rubber Feet. We recommend using a flat driver.
(4) After turning ⑩Blower Body upside down, loosen only ⑭Hex Bolt 5 x 55 (6 pcs.) and detach ⑰Air Tank. At this stage, never loosen ⑬Hex Bolt 5 x 20. If ⑱Gasket HS does not come off easily, insert a flat driver between ⑰Air Tank and ㉗Housing.
(5) Take off ⑱Gasket HS.
(6) Fix ㉚Magnet Fixing Jig on ㉘Magnet and ㉗Housing with two ㉛Screws.
Use ㉛Screw to fasten ㉘Magnet and ㉜Screws to fasten ㉗Housing.
(7) Put ⑩Blower Body upright, so that ㉓Headcover lies flat. Loosen ㉔Hex Bolt 5 x 75 (4 pcs.) evenly until ㉓Headcover comes up by approx. 5 mm. (Never remove ㉔Hex Bolt 5 x 75. Just loosen them at this stage.) Never loosen the Hex Bolt in the center of ㉓Headcover. Be sure that ㉓Headcover comes off ㉗Housing. (By recoil of ㉑Spring, it will happen.) In case that ㉓Headcover does not come off, insert a flat driver between ㉓Headcover and ㉗Housing. From this condition, loose ㉔Hex Bolt 5 x 75 (4 pcs.) and take ㉓Headcover off ㉗Housing. Pick off ⑲Gasket CY.
(8) Loosen ㉙Hex Bolt 5 x 20. And pull off ㉒Piston Set.
(9) Replace ㉒Piston Set with a new one. Be sure that ㉑Spring is securely fixed on ⑳Piston. Be careful that dust or oil never adheres to the moving part (Black) of ⑳Piston. Preferably avoid touching the surface of the moving part.
(10) Replace ⑲Gasket CY with a new one. Paying attention to the direction of elliptic hole, place it securely on ㉗Housing.
(11) Fix ㉓Headcover, as if laying it on ㉑Spring. Paying attention to the direction of Outlet Port of ㉓Headcover, fit the thread part of ㉗Housing to the hole position of ㉓Headcover. Fasten ㉔Hex Bolt 5 x 75 evenly and little dividing into several times. After making sure that Projections for positioning on ㉓Headcover fit perfectly to Holes for positioning on ㉗Housing, fasten them fast towards the end.
(12) Replace another ㉒Piston Set and ⑲Gasket CY in the same ways. Replace ㉒Piston Set and ⑲Gasket CY one side by one side without fail. (Never detach both the two ㉓Headcovers at the same time.)
(13) Make sure to take out ㉚Magnet Fixing Jig after replacement of both ㉒Piston Sets.
(14) Unfasten ⑬Hex Bolt 5 x 20 in the center of ⑰Air Tank and replace ⑯Gasket AT with a new one. Hold ㉕Hex Nut in the back of ⑬Hex Bolt 5 x 20 not to drop it. After replacing ⑯Gasket AT, fasten again ⑬Hex Bolt 5 x 20 in the center.
(15) Put a new ⑱Gasket HS. Fit Brim of ⑱Gasket HS to Circular Projection of ㉗Housing.
(16) Place ⑰Air Tank on ㉗Housing with ⑭Hex Bolt 5 x 55 (6 pcs.). Set Triangle Mark on ⑮Air Tank Plate to the side of ㉖Power Supply Cord. Insert ㉖Power Supply Cord deep in Ditch of ⑰Air Tank. Fasten ⑭Hex Bolts 5 x 55 (6 pcs.) evenly and little by little dividing into several times. At the end fasten the Bolts and ⑬Hex Bolt 5 x 20 fast.
(17) Place ⑩Blower Body onto ⑫Rubber Feet on ⑦Bottom Case. Insert ⑫Rubber Feet deep and securely.
(18) Insert ⑪S-Hose deep and securely to the nipple inside ⑦Bottom Case.
(19) Insert ⑧Lead Wire of ㉖Power Supply Cord and ⑨Bush deep to ⑦Bottom 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 ⑱Gasket HS and ⑲Gasket CY.
(21) After making sure of no issues, place ⑥Gasket C securely and cover ④Upper Case on ⑩Blower Body. Fasten ⑤Bind 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

⚠ **ATTENTION**

The degree of Danger Indicated by "Attention" clauses.

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.

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