

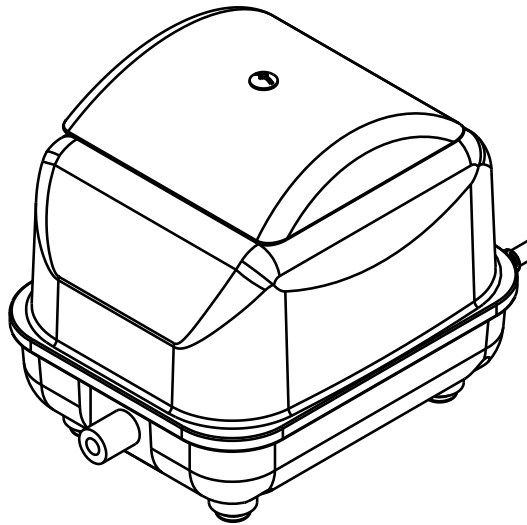
A5-BH9 B5 B7 9 MANUAL FOR LINEAR COMPRESSORS

MODEL : JDK-20

JDK-30

JDK-40

JDK-50

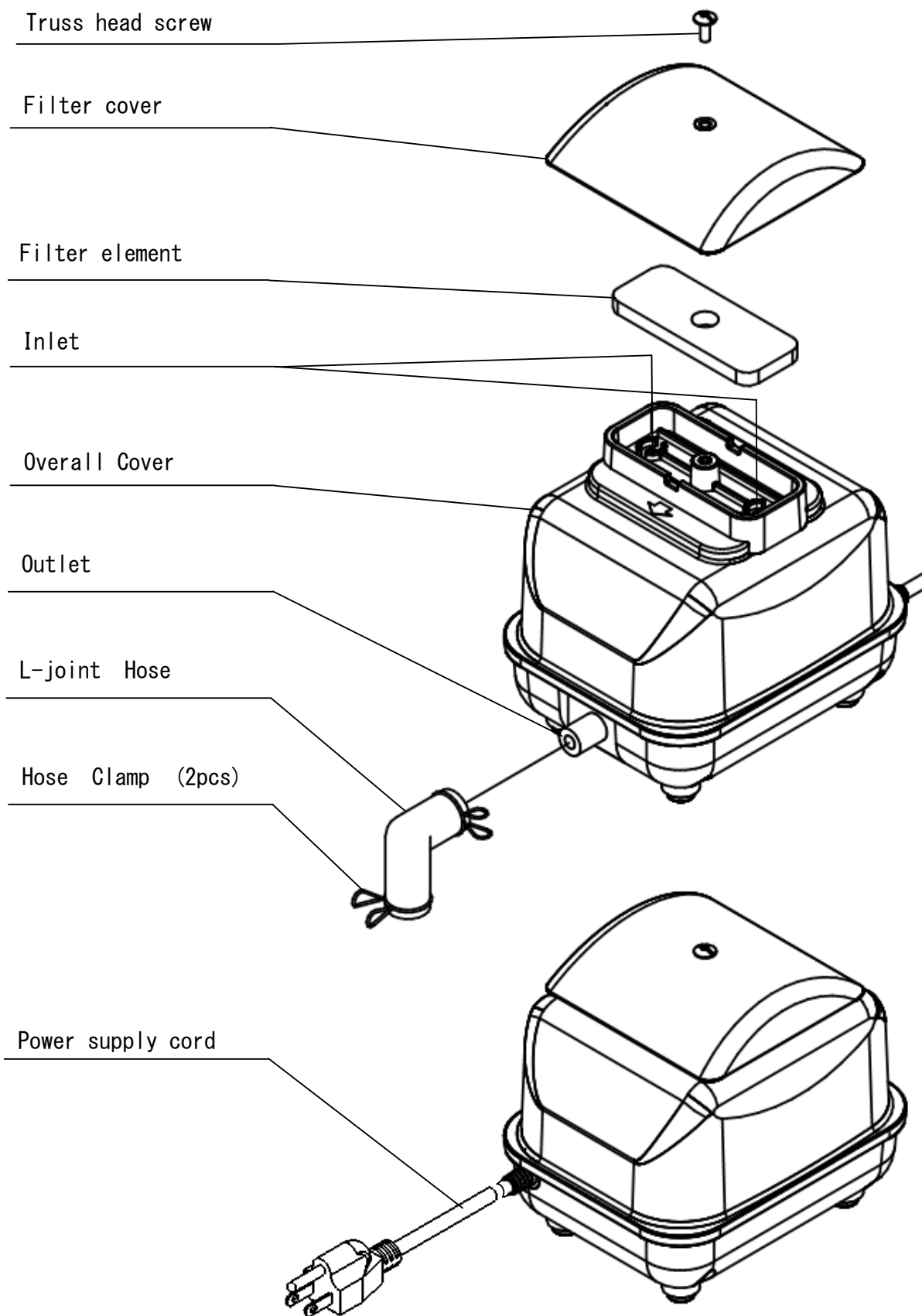


READ AND FOLLOW ALL SAFETY INSTRUCTIONS.
KEEP THIS MANUAL FOR FUTURE REFERENCE.

SECOH

SECOH SHANGHAI MEC LTD

Parts name



Periodic maintenance



WARNING

- Always disconnect power before servicing. Failure to do so could result in electrical shock, personal injury or death.



CAUTION

- Clean the filter element quarterly. A clogged filter element can cause overheating or pump failure.

Filter element cleaning

- Undo the truss head screw and remove the filter cover (Ref.:Fig.2-A).
- Remove the filter element and shake out the dust by hand. If it is heavily clogged, wash it with a neutral detergent. Rinse with water and dry it in the shade
- Reassemble the filter element back in place and press in the filter cover.
- Fix the filter cover by the truss head screw.

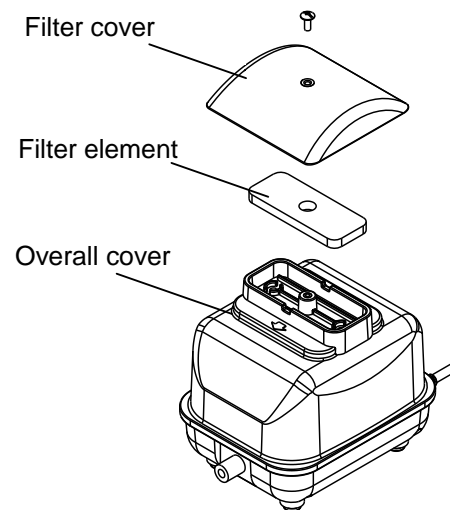


Fig 2-A

Replacement of filter element, valve box, diaphragm

- Replace the filter element following the procedure in 3-1 filter element cleaning.
- Undo the screws (A) and remove the overall cover and overall cover packing. (Ref: Fig 2-B)

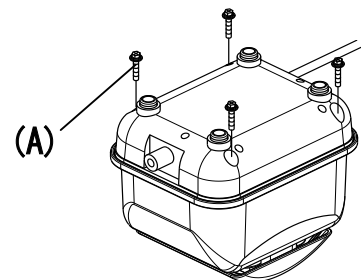


Fig 2-B

- Undo the screws (B) and remove the holder cover. (Ref: Fig 2-C)
- Undo the screws (C) and replace the valve box of both sides. (Ref: Fig 2-C)
- Undo the nuts (D) and remove diaphragm holders and diaphragms from the magnet. (Ref: Fig 2-D)
- Set the new diaphragm holders and diaphragms and fasten them with the nuts. (D). (Ref: Fig 2-D)

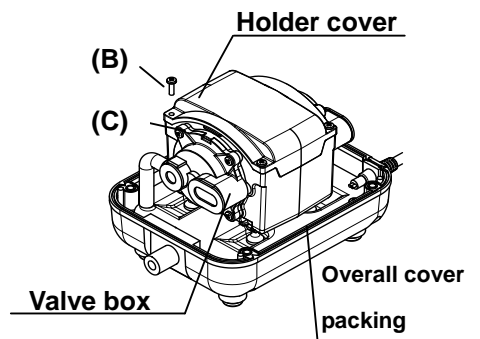


Fig 2-C

Notes:
Use the new nuts (D) in the repair kit.
Note the locating notch for reassembly.

- Assemble by reversing the disassembly procedure.

Notes:
Keep the magnet from touching the solenoids.

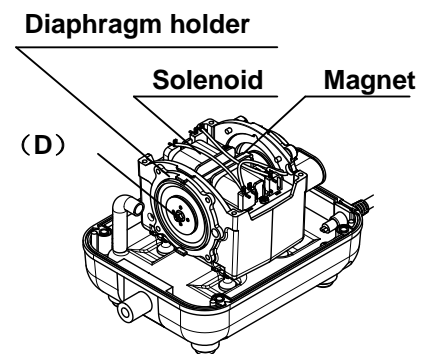


Fig 2-D

- Check airflow and sound level before installation.



WARNING

- If the magnet contacts the solenoids during operation, it will cause damage on parts, abnormal heat, and short circuiting.



DANGER

- Do not touch live parts. Touching live parts will result in electric shock.

Automatically reset thermal protector

An automatically reset thermal protector installed on the solenoid stops pump operation if solenoid temperature becomes over $130 \pm 5 \text{ }^\circ\text{C}$. When the solenoid temperature cools down to $85 \pm 15 \text{ }^\circ\text{C}$, the protector is reset automatically and pump operation restarts.

Trouble shooting

Observation	Possible cause	Action
Pump does not operate.	<ul style="list-style-type: none"> ▪ Improper electrical connection 	<ul style="list-style-type: none"> ▪ Check plug and outlet and plug completely.
Discharge air decreased. Pump surface is abnormally hot. Pump operates intermittently	<ul style="list-style-type: none"> ▪ Pipe or diffuser clogged ▪ Valve in plumbing shut ▪ Filter element clogged 	<ul style="list-style-type: none"> ▪ Clean pipe or diffuser. ▪ Open the valve ▪ Clean filter element.
Pump operates but with abnormal noise.	<ul style="list-style-type: none"> ▪ Faulty valve or diaphragm 	<ul style="list-style-type: none"> ▪ Replace valve and diaphragm.

Replacement parts

Kit name	Contained parts	Quantity (pcs)
Diaphragm repair kit for JDK	Diaphragm	2
	Diaphragm holder	2
	Nut	2
	Valve box	2
	Filter element	1
	Overall cover packing	1