



Servicing the control components

**Air vents
all types**



02414V10 [D] - 2016

Subject to change!
Änderungen vorbehalten!

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Printed in Germany

[GB] 02407V10

1. Servicing the control components



Control components are to be installed, repaired and adjusted only by trained service personnel.

1.1 Clean control components



Clean the control cabinet, screen, keyboard and disk drives only if the plug has been removed from the main socket.



NOTICE

Clean plastic parts with a soft, non-fluffy, slightly damp cloth. Do not use any caustic or ammonia-containing cleaning agents, or abrasive agents or sprays. On no account are liquids allowed to enter any devices.

The screen can be cleaned with special anti-static cleaning cloths or conventional glass cleaning agents. Here again, sprays are not be used on any account. The spray mist could enter the cabinet and damage the screen beyond repair.

1.2 Air vents in control cabinet

For cleaning the aspirated cooling air, the control cabinet possesses an air filter with filter element. This is needed, to clean the feeded ambient air from dust and particles when machine is operating. Because of the various situation of the environment when machine operates, this leads to a contamination of the air filter.



Left: Air vent from 2016



Right: Air vent to 2015



Make certain that all air vents in the control cabinet remain unobstructed at all times and the fins bend down. Inadequate venting can cause overheating and damage the control components. The fins of the filter frame have to show downwards.



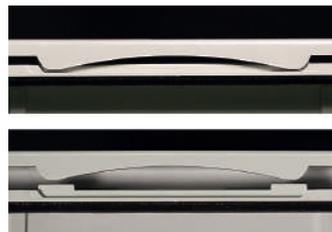
Regularly check the ventilation filter in the control cabinet for contamination. Replace the filter element or clean the filterelement by normal fouling if necessary.



At Machines with protection against carbon you have to replace strictly the filter element!

Air vent from 2016

Replace filter element



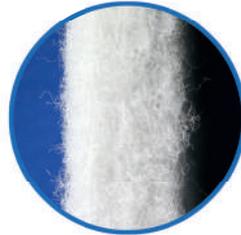
Left: Opening air vent
 Right top: Locking closed
 Right bottom: Locking opened

- To open the air vent, pull the bottom frame of the air vent a bit to the front and move it vertical up.
- Lift the frame out of the cabinet.



Withdrawing filter element

- Withdraw the contaminated filter element.
- Referred to the cleaning specifications lead through a cleaning or a replacement of the filter element (see *1.4 Cleaning*).



Inserting filter element
Filter element cross section (compacted side left)

- Insert a new or cleaned filter element with the compacted side inwards into the filter cabinet.



Closing air vent

- Place the frame a bit hightend into the filter cabinet until the frame bear on the filter cabinet.
- Press the frame vertical down until the locking is closed.

Air vent to 2015

Replace filter element



Opening air vent

- Open the air vent with caution at the top right or top left corner.
- Flap the frame to the front.



Withdrawing filter element

- Withdraw the contaminated filter element.
- Referred to the cleaning specifications lead through a cleaning or a replacement of the filter element (see *1.4 Cleaning*).



Inserting filter element

Filter element cross section (compacted side left)



- Insert a new or cleaned filter element with the compacted side inwards into the filter cabinet.



Closing air vent

- Press the frame in the source position to close the air vent.

1.3 Machines with Carbon infrastructure

Machines for the processing of carbon fibres are equipped in the bottom section of the control cabinet with an additional filter element.

1.3.1 Carbon protection machines series J



Carbon protection machines serie J

Replace filter element



Clamp screws carbon protection frame

- Dismount both clamp screws at the protection frame.
- Remove the protection frame.



Filter element carbon protection

- Withdraw the contaminated filter element.



Filter elements out of machines with carbon protection have been strictly disposed and changed to a new filter element.

- Place the new filter element, vertical into the control cabinet.



Filter element carbon protection Series J

- Place the protection frame in the origin position.
- Mount the clamp screws of the protection frame.

1.3.2 Carbon protection machines series L-Z



Carbon protection Machines Series L-Z

Replace filter element



Carbon protection Machines Series L-Z (Filter change)

- Remove the left or right end cap from the filter cabinet.
- Withdraw the contaminated filter element.



Filter elements out of machines with carbon protection have been strictly disposed and changed to a new filter element.



Filter element carbon protection Series L-Z

- Insert a new filter element, into the filter cabinet.
- Place the end cap in the origin position.

1.4 Cleaning

1.4.1 Cleaning control cabinet and filter frame



Before withdrawal filter element:

Use never compressed air to clean the control cabinet or the control components. This can induce damages and malfunctions..

Remove dust and fluff from the control components, the environment of the control cabinet and the control cabinet itself, strictly with a vacuum cleaner.

1.4.2 Cleaning filter element



Filter elements out of machines with carbon protection have been strictly disposed and changed to a new filter element.



Do not wash with a strong jet of water and do not wring out the filter mat. . The filter element has to be completely dry, before insert it again.

Cleaning specifications

Extent of contamination	Cleaning method
Normal contamination	Rinse in warm water (app. 40°C) containing a regular mild detergent.
Dry dust	Clean by knocking, with a vacuum cleaner, or by blowing with compressed air.
Dust containing grease	Clean in warm water containing a grease solvent.

1.5 Spare Parts

Material number :	Material:	ZSK-Material-number:	Remark
Z-000-9322	AUS-/EINTRITTSFILTER PFA 60000	580 078	old (w/o Filter element)
Z-000-9321	FILTERMATTE FÜR 580 057	580 075	Filter element for Z-000-9322
Z-008-0215	AUS-/EINTRITTSFILTER FF20U5	580 098	new (with Filter element)
Z-008-0495	FILTERMATTE M20FPFK	580099	Filter element for Z-008-0215
Z-008-1057	FILTERMATTE FÜR LÜFTUNGSABDECKUNG Z-MASCHINEN CARBON- SCHUTZ, 106 x 690	396 603 013	Filter element for carbon protection Serie L-Z
Z-008-1355	FILTERMATTE FÜR LÜFTUNGSABDECKUNG J-MASCHINEN CARBON- SCHUTZ, 80 x 430	396 603 014	Filter element for carbon protection Serie J





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Printed in Germany

ZSK Stickmaschinen GmbH
Magdeburger Str. 38-40
D-47800 Krefeld
Germany

www.zsk.de
zsk@zsk.de