



FÖRSTER TECHNIK®  S7.1e	Service info	Detergent dosing pump/Cleaning kit	
	Re:	SA2000, SA2Plus, SM2Plus, Compact and Vario	
	Date	June 25, 2007	
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Detergent dosing pump / Cleaning kit

1 Scope of delivery

- Detergent dosing pump
- Mixer draining valve (Compact only)
- Control cable (Compact and Vario only)
- Transformer casing (not valid for Compact and Vario)
- Plastic container
- 2 plastic rivets
- 3 hoses
- 3 hose nozzles
- 3 pan head screws
- Single ear clamp (not valid for SA2000, SM2Plus and Vario)

Service info

Detergent dosing pump/Cleaning kit

Re:

SA2000, SA2Plus, SM2Plus, Compact and Vario

Date

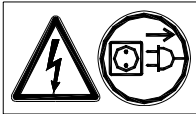
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2 Mounting

2.1 Connecting the control cable




Danger! Hazardous voltage!

Pull the mains plug.

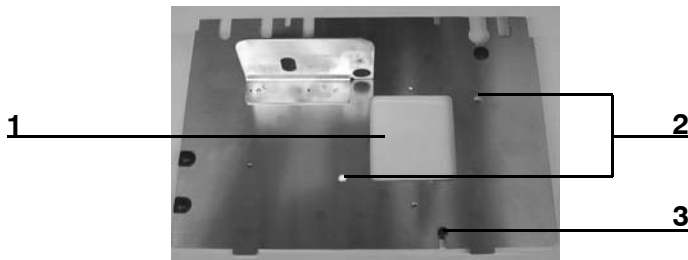
1. SA2000, SA2Plus and SM2Plus: the rolled control cable is secured to the frame wall.
Compact and Vario: the cable contained in the scope of delivery must be run through the cable clip at the left side wall.
2. Connect the control cable according to the wiring diagram to the power board (SA 2 Plus) resp. to the motherboard (SA 2000, SM 2 Plus, Compact and Vario).

2.2 Installing the detergent dosing pump

1. Lift the milk powder hopper and disassemble (not valid for SM 2 Plus) the valve unit including the training pump.
2. Loosen the two screws located on the partition to the left side area where the valve unit is installed (not valid for SM 2 Plus) and remove the partition.

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3. Carefully knock out the laser-cut sheet plate by means of a hammer and remove the black blind plugs at the bottom left and the top right next to the opening.
4. Slip one of the hose nozzles into the opening at the bottom edge of the partition.



1	Opening for detergent dosing pump
2	Blind plug
3	Hose nozzle for detergent hose

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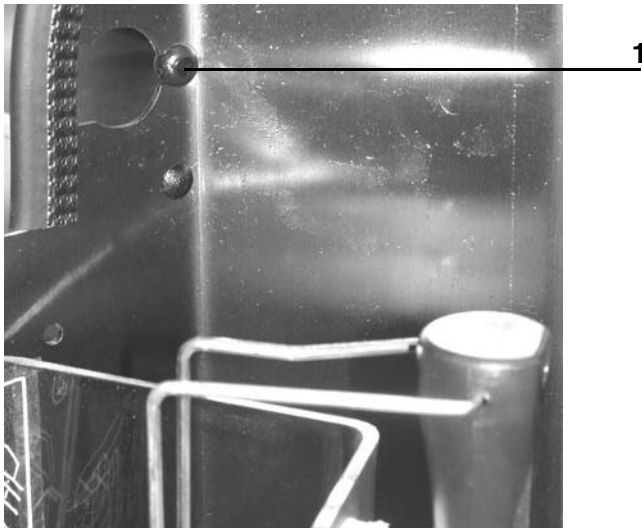
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5. Unscrew the water/milk outlet.
6. Remove the blind plug which is located at the right next to the opening of the water/milk outlet.
7. Slip the second hose nozzle into the opening.

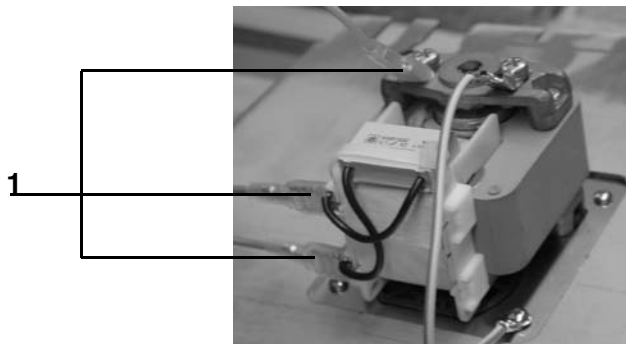


1 Hose nozzle for detergent hose

8. Insert the detergent dosing pump into the opening of the partition and secure the pump via the pan head screws.

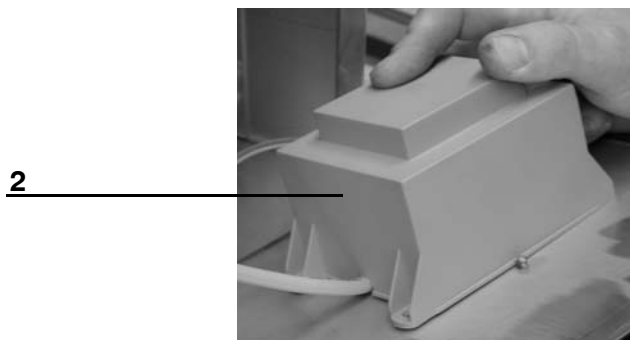
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9. Lead the hose (2 x 1 mm), which has been slipped on the left hose nozzle of the pump, through the grommet at the bottom edge of the partition.
10. Plug the quick connect receptacles of the control cable onto the socket tongues of the detergent dosing pump.



1 Quick connect receptacles

11. Cover the motor with the transformer casing.



2 Transformer casing

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12. Secure the casing by means of the plastic rivets.

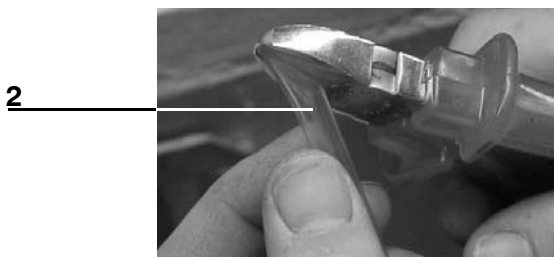


1 Plastic rivet

13. Mount the partition and screw it tight.


14. Mount the valve unit including the training pump and reconnect the valve plug and the hoses.

15. Bevel the free end of the hose located at the left connection of the detergent dosing pump.

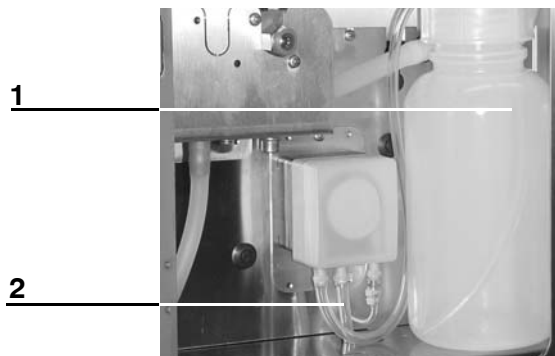


2 Hose

16. Slip the hose through the lid opening of the detergent container until it touches the bottom of the container.

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17. Run the hose which is connected to the mid hose nozzle of the detergent dosing pump through the corresponding opening at the bottom of the automatic feeder. To do so, remove the blind plug beforehand.



- | | |
|---|--|
| 1 | Detergent hose from detergent dosing pump to detergent container |
| 2 | Detergent draining hose |

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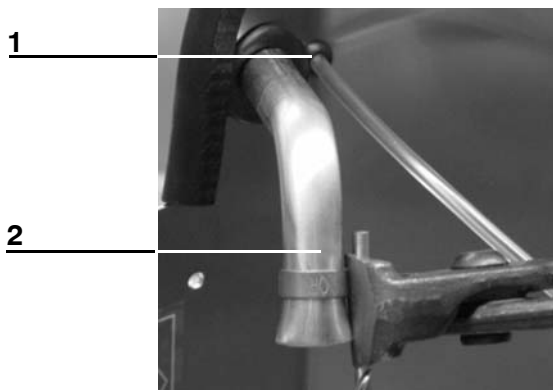
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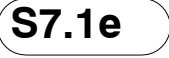

18. Run the thin hose (2 x 1 mm), which has been slipped on the right nozzle of the dosing pump and lead through the grommet at the bottom edge of the partition, through the grommet at the right of the frame opening of the water/milk outlet.

SA2Plus and Compact


1. Slip the single ear clamp on the water/milk outlet.
2. Slide a 4.2 mm round iron or a correspondingly sized drill into the remaining clamp opening and secure the clamp slightly above the widened outlet.



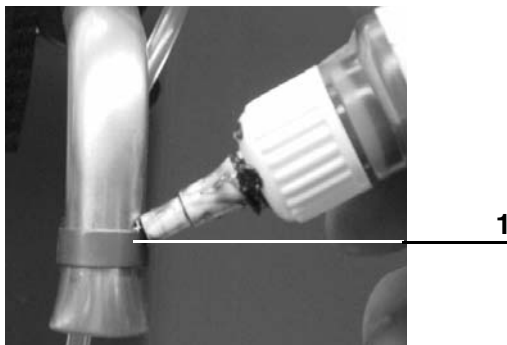
1	Hose nozzle next to water/milk outlet
2	Single ear clamp (only valid for SA 2 Plus and Compact)

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- Lead the detergent hose (2 x 1 mm) through the narrowed clamp opening.

 **Note:** The resistance must be perceptible. If not, narrow the opening once again!

- Turn the clamp to the rear of the water/milk outlet and fix the clamp by means of an appropriate (super)glue.



1 Single ear clamp

- Bevel the detergent hose so that the water jet can remove the remaining detergent at the end of the cleaning process.



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SA2000, SM2Plus and Vario



1. Lead the hose through the hose grommet at the water/milk outlet.



1	Water/milk outlet
2	Hose grommet

2. Bevel the detergent hose so that the water jet can remove the remaining detergent at the end of the cleaning process.



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3 Wiring diagrams

How to connect the detergent dosing pump to the power board resp. to the motherboard is explained in the wiring diagram of the corresponding automatic feeder.

- Vario: Motherboard plug X8
- Compact: Motherboard plug X8
- SA2Plus: Power board plug X7, pin 12
- SM2Plus: Motherboard plug X1, pin 1
- SA2000: Motherboard plug X31, pin 6