

WITTENBORG

FB55

SERVICE MANUAL



© Copyright - All rights reserved

This manual is protected by a copyright. No part of this manual may be copied, reproduced, translated or processed, copied or distributed by any form of electronic means without our prior written consent.

Wittenborg cannot take over any liability for errors and faults in manuals, brochures and other printed matter. Wittenborg reserve the right to change their products without prior notice.

© 1999 Wittenborg

Preface / Safety Instructions	1
Installation / Putting into Operation	2
Faults	3
Programming	4
Functions	5
Water System	A
Brewing System	B
Dosing System	C
Product Delivery	D
Cooling System	F
Housing	G
Power Supply and Control System	K
External Options	L
Payment Systems	P
Preventive Maintenance	6
Service Procedures	7
Technical Information	8
Modification Instructions	9
Spare Parts List	10

Table of Contents

<i>Preface and Safety Instructions</i>	<i>1</i>
<i>Preface/ How to use the Manual</i>	<i>1.1</i>
General	1.1.1
<i>Safety Instructions</i>	<i>1.2</i>

1 Preface and Safety Instructions

1.1 *Preface/ How to use the Manual*

1.1.1 General

- 1 This service manual is intended for trained service technicians within the D.E.C.S. organisation and the Wittenborg group who have attended the product training courses for this dispenser.
- 1 This service manual is not a study book containing technical details about this dispenser, but it can be considered and used as a reference book.

1.2 Safety Instructions

- 1 This subsection is intended as an overview of the warnings and instructions used in this manual, that must always be observed.
- 1 The following general safety precautions apply to the operation and maintenance of the dispenser, and must always be observed. Non-observance of these instructions or any other safety precautions mentioned in this manual could impair the dispenser's safety standards.

Hazard intensity levels

- 1 There are three different levels of hazard intensity, identified by signal words – DANGER, WARNING and CAUTION. The level of hazard is determined by the following definitions:

DANGER	- Sudden hazards, that WILL lead to either serious personal injury or death
WARNING	- Hazards due to dangerous behavior that CAN lead to either serious injury or death.
CAUTION	- Hazards due to dangerous behavior that can lead to either minor injury to persons or damage to product.

- 1 The dispenser must be placed on a table or a counter. The dispenser delivers freshly brewed and pressure-filtered hot beverages as well as hot water. The dispenser can be equipped for preparing tea or coffee. Only ground coffee or tea for vending machines may be used. The manufacturer can not be held responsible for dispensers, that were used for purposes other than those specified in this manual.
- 1 The instructions in this manual must always be followed. Non-observance can lead to dangerous situations, and the manufacturer cannot be held responsible for possible damages.
- 1 Service technicians must have read the Service Manual and operating instructions thoroughly, and understood both, before they can install the dispenser and put it into operation. The service technician must hand over and explain the operating instructions to the customer.
- 1 Installation/programming and repair of the dispenser must be performed by trained service technicians only.

CAUTION: Installation and repair of the dispenser may only be carried out by trained service technicians.

Observe the safety instructions during installation and all other work on the dispenser.

DANGER: The electrical connection and the water supply must correspond to the local regulations.

WARNING: We recommend to install fault current safety switches and water stop devices.

WARNING: Before starting any repairs: Switch off the main switch, unplug the power supply plug and close the water cock.

WARNING: Be careful after having opened the right door. There is an increased risk of being scalded. Components like solenoid valves are plugged to the boiler.

CAUTION: Move the dispenser into transport position (see chap. 6) when carrying out maintenance or when transporting it. There is the danger of getting injured by the tensioned spring.

CAUTION: Use original spare parts only, otherwise the manufacturer cannot be held liable for damage.

CAUTION: The service manual must have been read and understood before using the dispenser.

WARNING: The liquids delivered by the dispenser are hot. To protect yourself from being scalded keep your hands and other parts of your body clear of the delivery area after actuation of a delivery button.

WARNING: When carrying out functional checks and test deliveries there is a risk of being scalded by hot beverages!

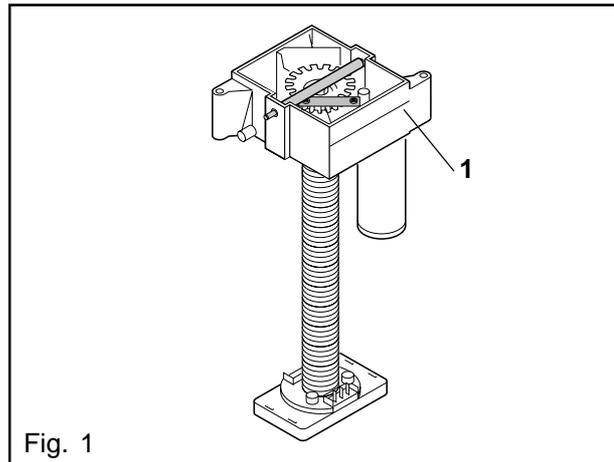


Fig. 1

CAUTION: To avoid contact with hot liquids do not use the pot selector button (multibrew) to fill several cups.

CAUTION: When a delivery button has been actuated the dispenser will not stop immediately if the pot or cup is removed from the delivery area. The brewing process for the cup portion in progress is completed, that means that a hot liquid will be delivered.

CAUTION: To prevent injuries keep body parts and loose clothing away from the dispenser (moving components!) when cleaning it.

WARNING: If, during a malfunction, the dispenser stops with a full brewer, place a vessel underneath the delivery spout. Keep your hands and other parts of your body away from the brewer area.

CAUTION: Since leak water from the boiler is not led into the drip tray the dispenser is not switched off when it leaks.

CAUTION: Be aware of sharp edges when cleaning the dispenser. There is a risk of injuries.

CAUTION: The product container is made from glass. Improper handling can lead to injuries resulting from breakage.

WARNING: Safety devices may not be bridged or put out of function.

CAUTION: Before making the electrical connection check whether the information on the rating plate corresponds to power supply connection.
Ensure that there is an earthed connection that corresponds to the regulations!

DANGER: The transformer is under tension, when the power supply plug has not been unplugged!

WARNING: Never plug the power supply plug into the socket while it is wet. Do not touch it with wet hands.

WARNING: When the service switch plate (1) is used, the dispenser is under voltage.

CAUTION: All metal parts must be connected with metal screws and washers. Fasten the screws tightly (earthing). (Fig. 2)

Positions of earth connections:
at the lock in the right door,
at the top right corner in the housing,
between power supply unit and housing,
between power supply unit and separating panel,
between boiler and housing,
between boiler and brewer.

Ensure that all earth connections are connected and tightly fastened.

WARNING: Never repair cable harnesses, but replace them completely.

CAUTION: For functional and hygienic reasons it is necessary to clean the dispenser regularly.

CAUTION: Rinse the dispenser before its first use.

CAUTION: Disconnect the power supply plug before wiping off the dispenser. Use a clean, moist cloth to clean the inside and the outside of the dispenser. Do not spray it off.

CAUTION: The components of the FB 55 may not be cleaned in a dishwasher.

CAUTION: Use only agents approved of by the food industry for cleaning and decalcifying.

CAUTION: Make sure that all components are installed correctly after the cleaning procedure.

CAUTION: When the door is opened, the service switch plate (1) can serve for keeping the safety switch pressed. (Fig. 3)

WARNING: There is a high risk of injuries. Keep body parts and loose clothing away from moving components.

CAUTION: Carry out a functional test of the dispenser after having finished the work.

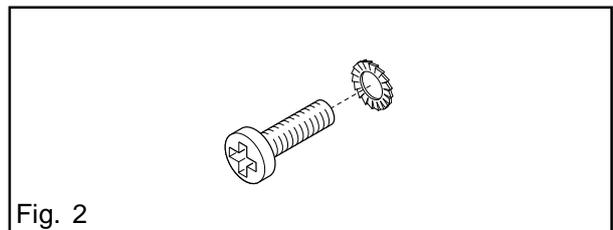


Fig. 2

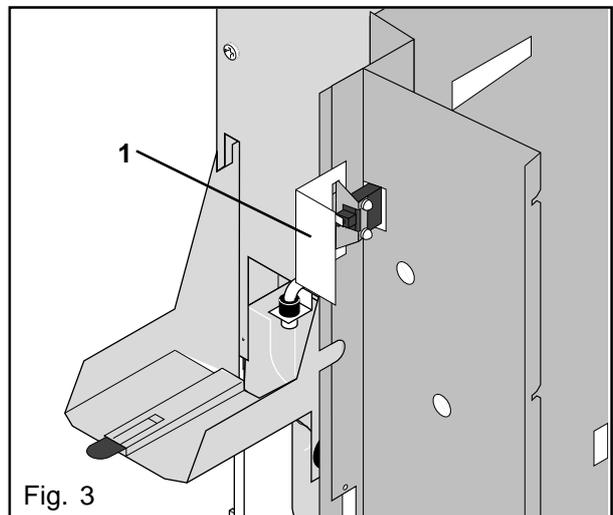


Fig. 3