

BREWER REPAIR

Exchanging the piston, the cylinder and the teflon bushing

- Take the Brewer from the machine.
- Take the coffee outlet pieces from the cylinder.
- Using the service spanner, turn the piston upward to its highest position.
- Disconnect the adjusting nut.
- Disconnect the locking ring.

CAUTION!

- Once the adjusting nut is unscrewed, the frame will tend to fold out, because it is tensioned by a spring. Constrain the frame with your hand.
- Disassemble the filter by removing the four mounting screws. Carefully put the filter aside.
- Unscrew the four screws connecting the cylinder to the frame.
- Slide the cylinder from the frame, and away from the piston.
- Slide the connecting rod off the crank.
- Carefully tap the clamping pin from the piston, so that the piston can be removed.
- Remove the plate from the piston by unscrewing the four screws. Slide the teflon bushing from the cylinder.

The cylinder, the piston, and the teflon bushing are now completely disassembled and the new piston, cylinder and teflon bushing may now, in reverse order, be installed.

Exchanging the packing

The packing makes sure that the water cannot leak away if the hot water and the ground coffee are dosed into the mixing basin while the mixing basin is in its lowest position.

- Take the Brewer from the machine.
- Disconnect the adjusting nut.

CAUTION!

- Once the adjusting nut is unscrewed, the frame will tend to fold out, because it is tensioned by a spring. Constrain the frame with your hand.
- Disassemble, just in case, if you wish, the filter, by removing the four mounting screws. Carefully put the filter aside.
- Remove the packing from the groove.
- Thoroughly clean the groove.

The packing is now completely removed and the new packing may now, in reverse order, be placed.

Exchanging the conveyor cylinder

The conveyor cylinder guides the filter paper.

- Take the Brewer from the machine.
- Unscrew both mounting screws from the bracket around the conveyor cylinder, and bend the bracket up slightly.
- Disconnect the chain.
- Remove the split pin from the spindle of the conveyor cylinder.
- Pull the bracket with the conveyor wheels up slightly and pull the spindle, with the cog wheel, from the conveyor cylinder.

The conveyor cylinder is now completely removed and the new conveyor cylinder may now, in reverse order, be placed.



Exchanging a breaking pin

The system is provided with several breaking pins. These breaking pins ensure that no damage occurs if the Brewer is jammed up for one reason or another. If that happens, the pin will break.



TIP

- If a breaking pin is broken, it must first be determined what caused it.

Breaking pin Brewer motor

- Disassemble the motor of the Brewer.
- Remove the remains of the breaking pin.
- Install a new breaking pin.
- Reassemble the motor of the Brewer.

Breaking pin main axle of Brewer

The breaking pin consist of a clamping pin with a pin inside. The breaking pin is mounted in such a way that one end sticks out further from the main axle than the other end.

- Take the Brewer from the machine.
- Remove the remains of the breaking pin.

The breaking pin is now completely removed and the new breaking pin may now, in reverse order, be installed.

- Slide the pin into the clamping pin.
- Tap the clamping pin just far enough into the main axle that both ends stick out equally.
- Turn the piston up to its uppermost position, using the service spanner.
- Tap the breaking pin in the direction of the conveyor cylinder, in such a way that the breaking pin sticks out approximately 2 cm.
- Reinstall the Brewer.

Breaking pin crank cheek

- Take the Brewer from the machine.
- Remove the remains of the breaking pin.
- Turn the mixing chamber up to its uppermost position, by turning the main axle using the service spanner.
- Place the piston by hand to its lowest position.
- Install a new breaking pin.
- Reinstall the Brewer into the machine.

Breaking pin main axle cog wheel

- Take the Brewer from the machine.
- Remove the remains of the breaking pin.
- Using the service spanner, turn the piston down to its lowest position.
- Make sure the mixing chamber is in its uppermost position. Install a new breaking pin.
- Reinstall the Brewer into the machine.

Breaking pin conveyor cylinder cog wheel

- Take the Brewer from the machine.
- Remove the remains of the breaking pin.
- Install a new breaking pin.
- Reinstall the Brewer into the machine.

Exchanging the chain

The chain drives the conveyor cylinder.

- Take the Brewer from the machine.
- Disconnect the closing link.
- Remove the chain.

The chain is now completely removed and a new chain may now, in reverse order, be assembled.

Exchanging the conveyor wheels

Both conveyor wheels ensure that the filter paper is pressed onto the conveyor cylinder.

- Take the Brewer from the machine.
- Remove the circlip.
- Pull the bracket around the conveyor wheels up slightly and slide the conveyor wheel from its axle.

The conveyor wheel is now completely removed and a new conveyor wheel may now, in reverse order, be placed.

Exchanging the springs of the H frame

- Take the Brewer from the machine.
- Disconnect the adjusting nut.

CAUTION!

- Once the adjusting nut is unscrewed, the frame will tend to fold out, because it is tensioned by a spring. Constrain the frame with your hand.
- Remove the split pin from the spindle of the H frame.
- Carefully tap the spindles from the main frame and the H frame, and remove the springs.

The springs are now completely removed and the springs may now, in reverse order, be installed.

Exchanging the tie rod mechanism

The tie rod mechanism clamps the mixing chamber in place.

- Take the Brewer from the machine.
- Using the service spanner, turn the piston down to its lowermost position.
- Disconnect the chain.
- Disconnect the adjusting nut.

CAUTION!

- Once the adjusting nut is unscrewed, the frame will tend to fold out, because it is tensioned by a spring. Constrain the frame with your hand.

TIP

- The bottom cog wheel is provided with an excentric notch. Notice, when taking out the cog wheel, the mounting position of the notch in relation to the crank cheek.
- Tap the clamping pin out of the crank cheek.
- Tap the clamping pin out of the bottom cog wheel.
- Take the spindle from the main frame and remove the tie rod.

The tie rod is now completely disassembled and a new tie rod may now, in reverse order, be installed.

- Set the clamping force of the Brewer.



Exchanging the Brewer motor

The Brewer motor drives the Brewer. Together with the operating print and the solid state relay, the motor is mounted on a mounting plate.



WARNING

△ Parts of the interior of the machine may be very hot. Allow the machine to cool down sufficiently.

- Take the power off the machine by pulling the plug from the socket.
- Remove the back plate from the machine after unscrewing the two plate screws.
- Note down the connections of the wiring to the operating print, the solid state relay and the motor.
- Disconnect all plug connections to the operating print, the solid state relay and the motor.
- Unscrew the six screws with which the mounting plate is fastened.
- Take the mounting plate from the machine.
- Unscrew the four screws with which the motor is mounted and remove the motor.

The motor is now completely disassembled and the new motor may now, in reverse order, be installed.

Exchanging the Brewer motor microswitch

The microswitch, in combination with the special drive coupling on the drive shaft of the motor, ensures that the piston will, after a beverage has been poured, come to a standstill in a certain position, which is always the same.

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- Remove the back plate from the machine after unscrewing the two plate screws.
- Note down the connections of the wiring to the operating print, the solid state relay and the motor.
- Disconnect all plug connections to the operating print, the solid state relay and the motor.
- Unscrew the six screws with which the mounting plate is fastened.
- Take the mounting plate from the machine.
- Disconnect both plugs from the microswitch.
- Unscrew both screws with which the microswitch is fixed, and take the microswitch from the machine.

