

WMF 1100S/Schaerer Coffee Club

Potential leak at the fabric hose steam boiler outlet

From serial number	101089	Priority		Recommendation / Need for action	
			High		As soon as possible
		X	Medium	X	On next visit to the machine
			Low		FYI only

Preface

This technical information serves to provide trained service technicians with machine-specific information. For service and maintenance work on coffee machines and their accessories, appropriate skills in electrical engineering, mechanics and hydraulics are required. If you do not have these skills, please contact trained service personnel. Otherwise, there is a risk of damage to the machine or injury to yourself or other persons nearby.

Reason for change

We have received isolated reports from the field that the silicone fabric hose at the steam boiler outlet (see Fig. 1) has been leaking on machines with steam boilers.

The leak could have various causes, or a combination of these.


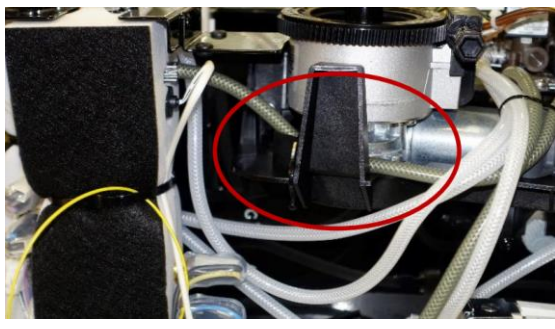
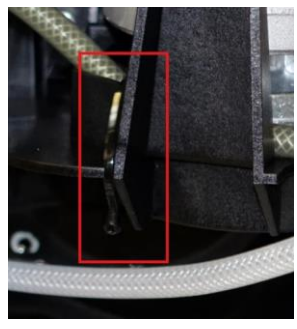
- Pre-damage to the hose during production due to sharp edged connection nipple on the steam boiler.
- After the steam boiler outlet, a hose installation with too tight a bending radius of the silicone fabric hose.
- Excessively high temperatures during the heating phases of the steam boiler due to sub-optimal ventilation.



Fig. 1

Series solution

- **Optimised steam boiler connection nipples** - to prevent pre-damage when fitting the hose. Consequently, this has been changed for steam boilers and hot water boilers and affects all connection nipples. Stocks have been checked and can be used up.
- **Optimised hose routing** - to minimise the bending radius and thus increased temperature load from the steam

Up to serial number 101088	From serial numer 101089	
 <p data-bbox="347 1055 416 1088">Fig. 2</p>	 <p data-bbox="823 1043 892 1077">Fig. 3</p>	 <p data-bbox="1286 1043 1355 1077">Fig. 4</p>
<p data-bbox="261 1189 502 1223">Hose length 500mm</p>	<p data-bbox="592 1189 1442 1256">Hose length (00.0048.0020) 320mm and fixed to the grinder holder with cable ties</p>	

- **Optimised venting routine in the software** - which ensures correct venting during heating.

General safety and hazard warnings

- ✓ Prior to any opening, repair, or maintenance of the coffee machine, it is imperative to ensure that the national and local safety and hazard warnings are known and observed!
- ✓ We highly recommend wearing the necessary personal protective equipment, such as safety shoes, work gloves, safety glasses.
- ✓ We recommend observing the following before and during the performance of service tasks:
- ✓ We recommend observing the following before and during the performance of service tasks: Conduct a risk assessment, visual check, sufficient lighting, use the correct tools, cover edges, work cautiously and observe the safety instructions.
- ✓ For appropriate work on the machine, it must be power- and pressureless.

Fieldsolution

To prevent the silicone fabric hose from leaking, we recommend the following procedure the next time you visit the machine

- We recommend replacing the steam boiler with a new one for machines that have had problems with leaks at the point described in order to prevent any damage to the hose.
- Adjust the hose length from 500 mm to 320 mm (see Fig. 2) and optimise the routing of the hose (see Fig. 3 and 4) between the grinder holder and grinder motor. Secure the hose to the grinder holder with a cable tie. If an existing hose connection has been disconnected, the silicone fabric hose must be shortened by at least 10 mm before reattaching it. A previously opened hose clamp must NOT be reused → always use new hose clamps. (55115702/3323971000 clamp)
- We will provide information on the integration of the optimised venting routine in a separate Software Tech-Info.