

**Subject:** Needle valves in carburettor models Stromberg Zenith 150 CD, 150 CD-3, and Zenith 28 RXZ

**Affected engine models:** All engine models:

**L 1700**  
**L 2000**  
**L 2400 EB, L 2400 EE**

**Background information:** On engines of the series mentioned above, excessive wear of the needle valves has been observed after 600 hours of operation.

**Priority:** At 500 hours operating time, 600 hours at the latest.

**Compliance:** **1. Carburettor Stromberg Zenith 150 CD, 150 CD-3**  
 Remove carburettor from engine, disassemble float chamber (6 screws). Remove float and replace needle valve with a new one. Adjust float level, assemble float chamber with new gaskets and mount carburettor using new gaskets also.  
 In these carburettor types the 1.5 and 2.0 mm needle valves previously used will be replaced by a 1.75 mm inlet needle valve.

**Caution:** Carburettors with a needle adjustment screw on the bottom of the float chamber need to be lubricated on the O-ring of the orifice bushing assy. The bushing retaining screw and the orifice adjusting screw do not have to be adjusted for this job.

**2. Carburettor Zenith 28 RXZ**  
 Remove carburettor from engine, disassemble air inlet housing and float chamber. Remove float and replace needle valve with a new one (2 parts). Check float level. Assemble in opposite sequence. (Replace gaskets with new)

<b>Ordering information:</b>	<b>Carburettor Zenith 28 RXZ</b>	<b>Part-No.:</b>
	Needle valve (1.75 mm)	170.132.022.000
	Needle valve (2.5 mm)	175.132.025.000
	Gasket set for carburettor	170.132.050.000
	<b>Carburettor Stromberg Zenith 150 CD</b>	<b>Part-No.:</b>
	Needle valve (1,75 mm)	170.131.010.000
	Gasket set for carburettor	170.131.045.000
	<b>Carburettor Stromberg Zenith 150 CD-3</b>	<b>Part-No.:</b>
	Needle valve (1,75 mm)	170.131.010.000
	Gasket set for carburettor	170.131.040.000

**Note:** This document has been translated to the best of our knowledge. In case of doubt however only the German original shall be considered authoritative.

**Approval:** This Technical Bulletin is approved in accordance with the procedures of the LBA approved development

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