

## Oil Relief Valve

DB Part Number of the spring and the oil relief valve	installed in the engines of the type		
<p>136 993 07 05</p> <p>136 180 04 15</p>	<p>636. {</p> <p>912</p> <p>914</p> <p>915</p> <p>916</p> <p>918</p> <p>919</p> <p>930</p> <p>931</p> <p>932</p> <p>934</p> <p>935</p> <p>}</p>	<p>636.917/ {</p> <p>2</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p> <p>9</p> <p>10</p> <p>11</p> <p>12</p> <p>13</p> <p>14</p> <p>17</p> <p>18</p> <p>19</p> <p>20</p> <p>22</p> <p>23</p> <p>25</p> <p>29</p> <p>31</p> <p>32</p> <p>}</p>	<p>636.917- {</p> <p>00</p> <p>021</p> <p>040</p> <p>050</p> <p>090</p> <p>120</p> <p>180</p> <p>190</p> <p>221</p> <p>222</p> <p>223</p> <p>240</p> <p>252</p> <p>253</p> <p>270</p> <p>271</p> <p>272</p> <p>280</p> <p>300</p> <p>310</p> <p>}</p>
	<p>and in the engines of the type 636.917/0 Version: A, B, C, F, G, H, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y and Z.</p>		
<p>636 993 01 01</p> <p>636 180 01 15</p>	<p>636. {</p> <p>933</p> <p>936</p> <p>}</p>	<p>636.917/ {</p> <p>15</p> <p>16</p> <p>21</p> <p>24</p> <p>28</p> <p>30</p> <p>33</p> <p>}</p>	<p>636.917- {</p> <p>022</p> <p>023</p> <p>251</p> <p>260</p> <p>290</p> <p>320</p> <p>330</p> <p>340</p> <p>350</p> <p>360</p> <p>370</p> <p>}</p>
	<p>and in the engines of the type 636.917/0 version D and E.</p>		

### B. OM 621

1. Disassemble the oil pressure relief valve.  
To do this, remove the lock ring (43), the piston (42) and the spring (41) from the valve housing (see Figure 18-5/3).

2. Clean and check the parts, particularly check the running surface of the piston and the cylinder. Check the spring on a spring testing scale.

The opening pressure is  $6 \pm 0.5$  kg/cm<sup>2</sup>.

3. Re-assemble the oil pressure relief valve.

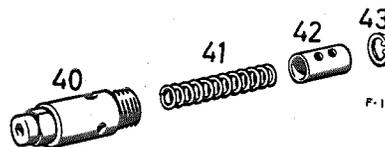


Figure 18-5/3

40 Oil pressure relief valve 6 atm.    42 Piston  
41 Spring    43 Lock ring

### Spring testing table

Outer dia mm	Wire thickness mm	Length untensioned mm	Length pre- tensioned mm	loaded with kg	Length block mm	loaded with kg	Opening pressure atm.	Part No.*
9.1-9.4	1.4	43.6	39	2.4	25	9.6	5.5-6.5	186 993 17 01

With hot and idling engine, the oil pressure must not drop below 0.3 atm.