

## Oil Relief Valve

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

### B. OM 621

- 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).

- 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>.

- Re-assemble the oil pressure relief valve.

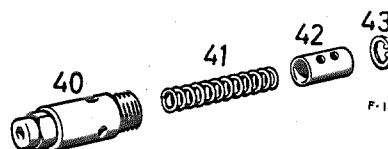


Figure 18-5/3

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

### Spring testing table

| Outer dia<br>mm | Wire<br>thickness<br>mm | Length<br>untensioned<br>mm | Length<br>pre-<br>tensioned<br>mm | loaded<br>with<br>kg | Length<br>block<br>mm | loaded<br>with<br>kg | Opening<br>pressure<br>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.