Model 230/8, 250/8 (114. 011) and 250/8 Cp. (114. 023)

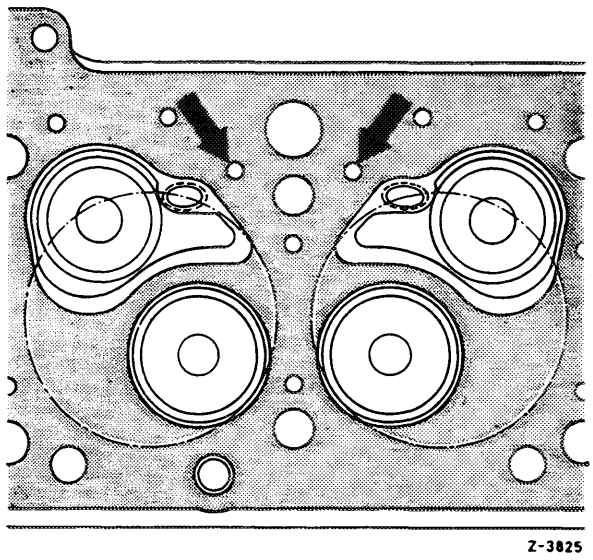
For engines M 130. 923 and M 180. 954 with modified combustion chamber shape, the standard cylinder head gaskets have been approved as spare parts.

They may be used for M 130. 923 up to 87. 0 mm and for M 180. 954 up to 82. 5 mm cylinder bore.

The combustion chamber passage of standard cylinder head gaskets for the M 130. 923 is 87. 2 + 0. 3 mm and for the M 180. 954 it is 82. 7 + 0. 3 mm.

On engines M 130. 923 with 87. 5 mm cylinder bore or M 180. 954 with 83. 0 mm cylinder bore, the repair cylinder head gaskets will be used as before.

Engines with modified combustion chamber shape are recognized by the 6 additional water holes in cylinder crankcase and in cylinder head (refer to Fig. 01-10/1).



Z-3825

Fig. 01-10/1

Additional water holes (arrows)

Cylinder Head Gaskets

Engine M	Part No. Cylinder diameter up to 87. 0 mm or 82. 5 mm	Cylinder diameter 87. 5 mm or 83. 0 mm
130. 923/933	130 016 31 20	130 016 48 20
180. 954/955	130 016 44 20	130 016 45 20

Standard Installation, Engines with Modified Combustion Chamber Shape

Model	Model Designation	Chassis End No. Standard Compression	Low Compression	Engine M
230/8	114. 015	039 811	041 970	180. 954/955
250/8 250/8 Cp.	114. 011 114. 023	Begin of series	Begin of series	130. 923/933

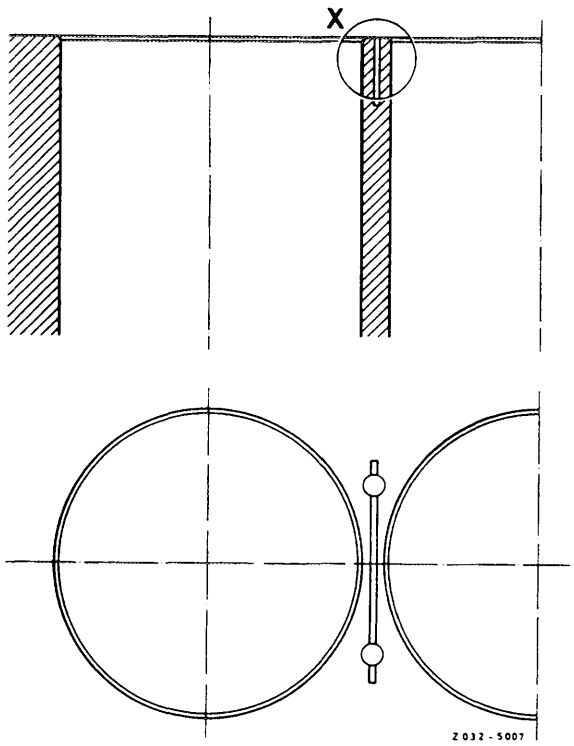
Prior to installing a new cylinder head gasket or during repair jobs, the following points should be observed:

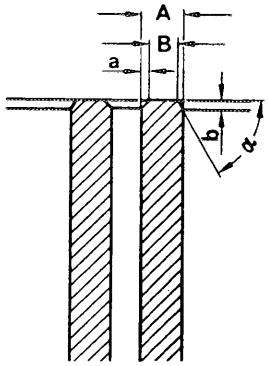
1 Check washers of cylinder head bolts for their condition. Flattened washers must be renewed.

2 The webs of the cooling slots in the crankcase should not be sharp-edged (chamfer 0.1-0.2 mm wide, dimension "a", Fig. 01-10/2).

4 If dimension "B" is less than 1.8 mm, the web between the cooling slot and the cylinder bore will be too small and perfect sealing by cylinder head gasket is no longer assured.

5 In addition, the roughness of the cylinder crankcase parting surface should not exceed 0.020 mm and the cylinder head parting surface 0.015 mm.





Detail X

Fig. 01-10/2

A = 2.2 mm
B = 1.8 mm
a = 0.1 - 0.2 mm
b = 0.3 ± 0.2 mm
α = 60°