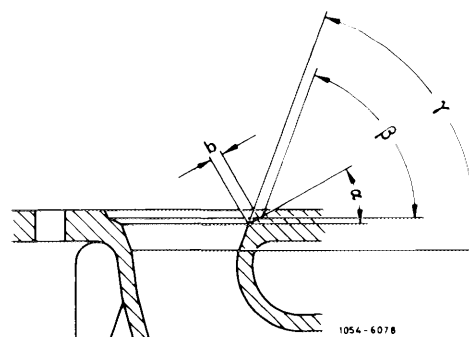


Data	Intake	Exhaust
Valve seat width b	1.3–1.6	2.5–2.9
Valve seat angle α	30°	
Correction angle top β	60°	
Correction angle bottom γ	60°	
Permissible runout of valve seat	0.03	

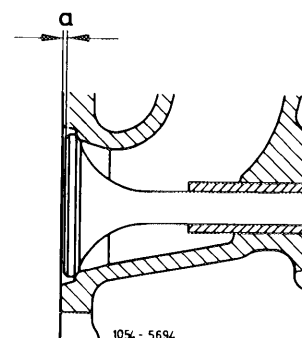


Minimum distance "a" with new valves and new valve seats

Intake	+ 0.17 to — 0.23
Exhaust	+ 0.12 to — 0.28

Maximum distance "a" with new valves and machined (refinished) valve seats

Intake	1.0
Exhaust	

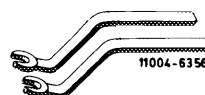


The max. distance is reduced by the same amount by which the cylinder head parting surface has been refinished.

Valve stem wear (wear limit)	0.05
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Special tools

Valve adjusting wrench 14 mm
(2 each)



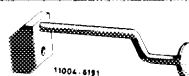
615 589 00 01 00

Holding wrench for valve
spring retainer



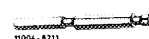
615 589 00 03 00

Assembly mandrel for valve stem seals
Intake and exhaust



617 589 00 43 00

Plug gage 10 mm dia. for intake and
exhaust valve guide



615 589 00 21 00

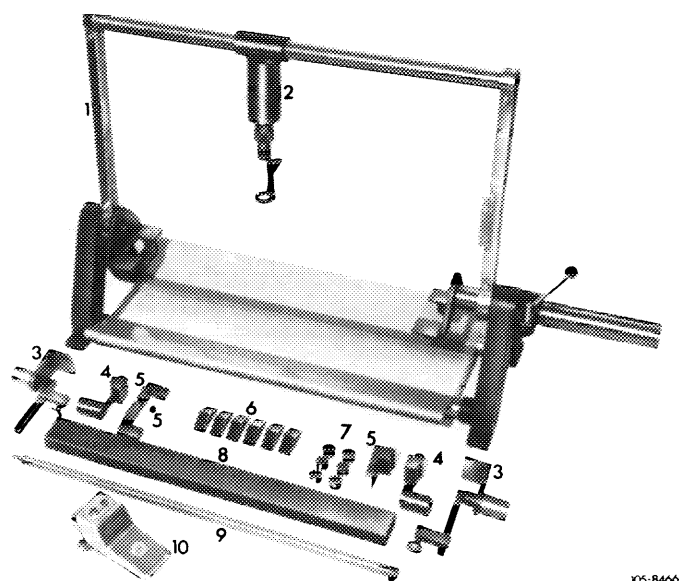
Conventional tools

Cylinder head clamping fixture	e.g. made by Christ, D-6801 Neckarhausen Order No. DBK 60—2
Valve seat machining tool	e.g. made by Hunger, D-8000 München Type VDNSL 1/45/30, order No. 236.03.308
Test kit for valve seats	e.g. made by Hunger, D-8000 München Order No. 216.93.300

Note

Clamp cylinder head into clamping fixture for disassembly and machining.

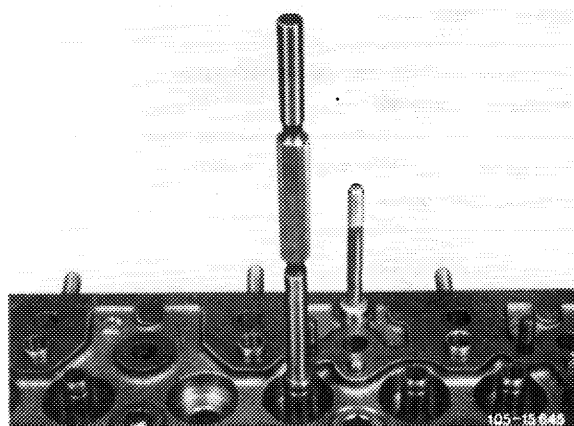
Machine valve seats with valve machining tool, with valve seat grinding machine or with valve seat milling cutter.



105-8466

Machining valve seats

1 Check valve guides and replace, if required (05—285).



105-15 646

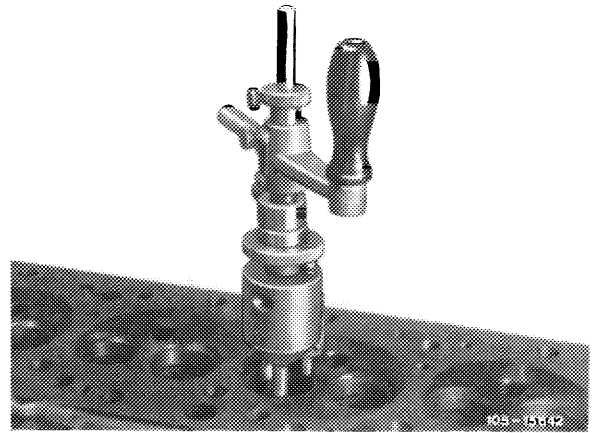
2 Machine valve seat (30°) (refer to operating instructions of tool manufacturer).

Attention!

Release pilot (013) only after runout of valve seat has been checked.

3 Measure valve seat width b and correct below to 60° , if required.

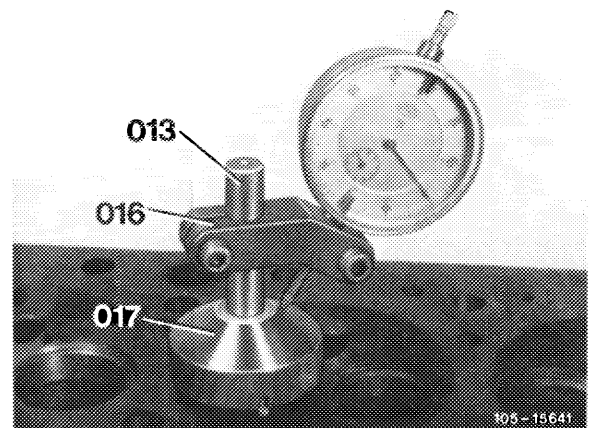
If required, also correct clearance (β) to 60° .



4 Check runout of valve seat.

For this purpose, slip test sleeve (017) with dial gage holder (016) and dial gage on pilot (013) and rotate test sleeve. The permissible runout of 0.03 mm should then not be exceeded.

013 Pilot
016 Dial gage holder
017 Test sleeve



5 Introduce new valve and measure max. distance a .

