



SERVICE INFORMATION

Tech. Cust. Service
VS-201 Gi/Zr

Motorcycle R 75/5
group: engine

Munich, Nov. 71
No. 5/71 (316)

Ref.: Vacuumtype carburetor

Gentlemen,

At our models R 75/5 ex chassis No. 2 977 320 we install vacuum type carburetors with the designation 64/32/9 (left) and 64/32/10 (right). The idle system works independently from the needle system through lifting of the lower final position of the diaphragm and the alteration of the by-pass-bore. The bore of the idle nozzle has been enlarged and the needle nozzle throughput has been reduced.

With the new carburetor the idle adjustment and also the starting performance has been considerably improved.

Here are the details about former and improved carburetor version:

name	former version	improved version
carb. left side	64/32/3	64/32/9
carb. right side	64/32/4	64/32/10
main nozzle	140	135
needle jet	2,73	2,70
sealing of mixture tube	by thread	with O-ring
idle speed nozzle	45 44-966 (with pre-calibration)	45 44-950 (without pre-calibration)

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name	former version	improved version
by-pass bore	0,7 6,2 from axle centre	1,0 5,3 from axle centre
idle mixture screw	1,0 - 1,5 revolution	0,5 - 1,0 revolution
float needle spring	10 p	30 p
limitation of diaphragm	0 mm	6,5 mm
starter cup ventilation	2,0 to outside	2,0 to inside
mixture bore in rotary valve	2,0	2,0-1,2-0,7
horizontal bore in starter dip tube	-	14 mm from below

part	former version	improved version
carb. left side	13 11 1 253 858	13 11 1 256 731
carb. right side	13 11 1 253 857	13 11 1 256 732
main nozzle	13 11 1 254 733	13 11 1 256 612
needle jet	13 11 1 257 772	13 11 1 257 810
idle speed nozzle	13 11 1 257 775	13 11 1 257 813

At the same time with the improved carburetor we have also altered the starter carburetor in such a way that you can select with the starter lever beside of full-start also intermediate positions for a lower rpm to warm up the engine. This is obtained by 3 different sized fuel feed bores in the rotary valve, so the most favorable fuel quantity depending from the engine temperature can be adjusted. The mixture compound is controlled by a crescent shaped air slot in the rotary valve.

The new starter carburetor housing has no more a return spring; the choke is activated through a cable line.

The starting process described on page 11 of the owner's manual is now changed as following:

Starting of R 75/5 at cold engine and outside temperature above 0° C is effected by pulling up the choke at closed throttle grip and then actuate starter. At outside temperatures below 0° C a faster starting is possible by easy turning on the throttle after the first series of ignition.

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Starting with kick starter is done in the same way, only when the engine does not start after the first series of ignitions, assist by slightly opened the throttle.

As a rule the engine has to be in vertical position to avoid different strong enrichment of the fuel starting mechanism.


Yours very truly,

BAYERISCHE MOTOREN WERKE
Aktiengesellschaft
Service Division

ppa.

i.V.


Delleske


Flohr