



# Service-Information



BMW MOTORRAD GMBH Service R-VK-11 ma-ur	Motorcycle R 60/5-R 100 RS Technic Engine	Munich, Sept. 78 11 009 78 (1057R)
-----------------------------------------------	-------------------------------------------------	---------------------------------------

For U.S.A. and Canada only

Subject: Cylinder Base Spacer for R 60/5 - R 100 RS

Dear Dealer,

Due to poor availability of high-octane fuels in some regions, pre-ignition pinging may occur on the above-mentioned models. In such cases it is possible to reduce the compression ratio by installing cylinder base spacers. Depending on the fuel quality available, up to two spacers per cylinder may be installed.

Note from the following chart how much the compression ratio will be reduced after one or two spacers have been installed. The chart will also indicate the correct part numbers of spacers to order for various model year machines, since models before 1975 incorporated spacer #11 11 1 255 001 as standard equipment. As of 1976 model year production, this spacer is not used, and the cylinder foot is lengthened 0.5 mm correspondingly.

Before installing the spacers they must be coated on both sides with Hylomar SQ 32/M. This will insure reliable oil sealing.

Models 1970 - 1975

<u>Models</u>	<u>Compression Ratio</u>		
	<u>Spacer "A" (Standard)</u>	<u>Spacer "B" Only</u>	<u>Spacer "A" and Spacer "B" Together</u>
R 60/5-/6	9.2	8.6	8.1
R 75/5-/6	9.0	8.4	8.0
R 90/6	9.0	8.4	8.0
R 90 S	9.5	8.8	8.4

.../2

Kenntnis genommen - Pris connaissance - Noted - Tomado nota - Preso conoscenza					Ablage - Archives - File - Archivio	
Betriebsleitung	Werkstatt	KD-Annahme	Gewahl - Sachb.	Teilledienst	Betriebsleitung	Werkstatt

S.I. 11 009 78 (1957R)

Sept. 78

Models 1976 and up \*

<u>Models</u>	<u>Compression Ratio</u>		
	<u>No Spacer (Standard)</u>	<u>Spacer "C" Only</u>	<u>With 2 Spacer "C" Together</u>
R 60/6 - /7	9.2	8.6	8.0
R 75/6 - /7	9.0	8.4	7.9
R 80/7	9.2	8.6	8.0
R 90/6	9.0	8.4	7.9
R 90 S	9.5	8.8	8.3
R 100/7	9.0	8.4	7.9
R 100 S	9.5	8.8	8.3
R 100 RS	9.5	8.8	8.3

NOTE: Order cylinder spacers by part numbers:

"A" - 11 11 1 255 001 (0.5 mm x 97.0 mm Ø)

"B" - 11 11 1 257 092 (1.2 mm x 97.0 mm Ø)

"C" - 11 11 1 335 650 (0.7 mm x 99.0 mm Ø)

These are theoretical values. It is possible that tolerances of approximately  $\pm 5$  per cent may occur in practice due to the finishing technique.

Very truly yours,

BMW MOTORRAD GMBH

Munich

i.V.

i.V.

*[Handwritten Signature]*  
Gonzalez

*[Handwritten Signature]*  
Blank

\* Due to E.P.A. emission regulations, motorcycles built after 1-1-78 cannot be altered.