



Service-Information



BMW MOTORRAD GMBH Service R-VK-10 wb/ur	Motorcycle R50/5 - R100RS Technic Group: Rear Axle	Munich, August 77 33 001 77(1021R)
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For U.S.A. and Canada only

Subject: Rear Drive Oil Leaks

Dear Dealer,

If an oil leak on the rear drive must be repaired, use the following guidelines:

General

Never install a replacement seal without a BMW - special tool, this seal is a delicate design, if re-shaped, by incorrect tools, could be damaged before its intended use.

Inspect and remove any obstructions in the path of the seal before installation of the seal.

Coat the seal, O.D. and I.D., with light grease, slightly for easier installation.

1.) Sealing toward the swinging arm

The seal, Part No. 33 12 1 230 356 must be installed with a special tool, No. 33 1 750. The threaded ring and threads in the housing must be perfectly cleaned, free of oil and grease. Coat the threaded portion of the ring with Hylomar SQ32, or other proven sealant before installation.

Do not coat spacer ring, Part No. 33 12 1 230 353 or shim, Part No. 33 12 1 230 525 with gasket cement.

Reason: The rubber seal ring, Part No. 33 12 1 233 302, will seal this assembly, preventing any rear drive fluid to leak into the drive shaft tunnel.

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2.) Sealing toward the Rear Axle

The seal, Part No. 33 12 3 004 337, must be installed with a special tool, No. 33 1 880, after the axle sleeve, Part No. 33 12 1 230 257, is mounted in the rear drive housing, to prevent damage to the sealing lip or loosening the seal tension spring.

3.) Sealing toward the Rear Wheel

Before the housing cover and its gasket is installed, inspect the cover bore that holds the seal and the ring gear sealing lip, any roughness or nicks could create an oil leak.

After close inspection, install seal, Part No. 33 12 3 004 343, with special tool, No. 33 1 850.

Yours truly,

BMW MOTORRAD GMBH
München
i.V. i.V.

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