



Service-Information

Cust.Serv.-Techn.Dept.
VKT er/lü/wi/fm

Motorcycles R50,R60,R69S,R27
Grp:Springs&Shock Absorbers

Munich, 18 June 1964
Nr. 1/64 (212) en.

Re: Lubrication of the Front Wheel-Swinging Arm Bearing

Dear Sirs,

By the introduction as standard equipment of a funnel-type grease fitting (nipple) for the lubrication of the front wheel swinging arm bearing commencing with frame Nr.

636 591 (R 50)

626 361 (R 60)

658 624 (R 69 S)

382 853 (R 27)

the maintenance of this bearing has been simplified considerably.

If the customer wishes, this funnel-type grease fitting may subsequently be installed (against charge) on the front wheel swinging arm for the lubrication of the bearing, on the models R 26, R 27, R 50, R 50 S, R 60, and R 69 S.

The following parts are necessary for this:

<u>Description of Part</u>	<u>Part Nr.</u>
1 Funnel-type grease fitting	99 60 270
2 Flat washers	10 20 136
2 Seal rings	20 00 331

Parts superseded:

2 Seal rings	20 00 330
2 Flat washers	20 00 322

For the installation, to which the following guidelines pertain, we refer to the Repair Manual R 50, R 50 S, R 60, and R 69 S, from which the corresponding installing operations may be perceived.

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1. Remove swinging arm from front fork and dismantle the bearing.
2. Drill a 7.0 mm \emptyset hole into the cross-tube of the swinging arm and tap-in a M 8 x 1 thread. The center of the hole is located 37.5 mm away from the left hand border of the swinging arm cross tube and set up by 8° against the axis of the swinging arm (also see sketch), as seen in the driving direction. Around the thread-hole, carefully file a surface not larger than necessary for the flat adaption of the fitting head; when doing this, care should be exercised to not produce any sharp edges on the borders of the surface.
3. Coat the thread of the funnel-type grease fitting with caulking compound (for instance Coril) and install the grease fitting.

After thorough cleaning, reinstall the bearing into the swinging arm. When doing this, please note that the new washers 10 20 136 with the larger supply hole for the grease and the seal rings 20 00 331 with the metal case are now used.

4. Reinstall the swinging arm into the front fork and adjust the bearing.

Subsequently, lubricate only by means of a manual grease-gun with a tapered mouth-piece, until the grease comes out on the sealing lip of the sealing ring on each side of the bearing. Don't wipe off grease, but spread it around the gap between fork-prong and swinging arm, as this constitutes an additional protection of the bearing against splash-water.

With friendly greetings,
BAYERISCHE MOTOREN WERKE
Aktiengesellschaft

i.V.


Ortmann

i.A.


Ansorg

Sketch

Lage der Gewindebohrung für den Schmiernippel

M 1 : 2,5

37,5

A

Fahrtrichtung

M 8 x 1

8

M 1 : 1

Einzelheit bei A

