

Retail Operator General Manager	Sales New Motorcycles	Sales Pre-Owned Motorcycles	Business Manager (F&I)	Service	Parts & Accessories	Administration
Date: September 2014		Source: SI 25/2014				
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BMW Motorrad USA

Service Information Bulletin

****Technical Campaign****

Subject: Threaded Fastener, Swinging-Arm Axle

Model: F 800 GS (K72/11)

Details: BMW Motorrad has ascertained that faulty washers [see (2) and (4) in the illustration] were fitted on the threaded fastener of the swinging-arm axle. The washers are too large (inside and outside diameters are 2 mm oversize). This can result in the threaded fastener not being sufficiently preloaded, however, it is not possible for the threaded fastener to work loose because the nut is self locking (captive).

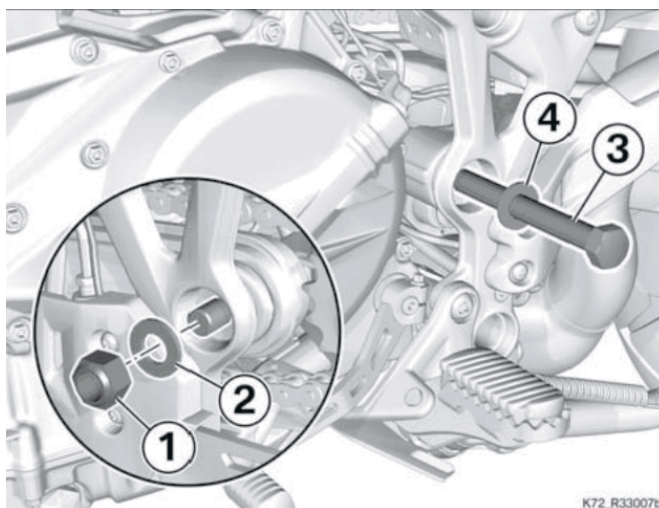


Illustration: Threaded fastener, swinging-arm axle

-Self-locking nut (1)

-Washer (2)

-Swinging-arm axle (3)

-Washer (4)

Vehicles affected: In order to determine if a specific vehicle is affected by this Technical Campaign, it will be necessary to verify all vehicle VINs through a DCS Vehicle History Check. Based on the response of the system, either proceed with the repair or take no further action. Please note, affected VINs may not appear until 24-72 hours after the release of this bulletin.

Production Solution: Vehicles produced as of June 05, 2014 are fitted with the correct washers.

After-sales Solution: Before handing over a new motorcycle to its owner or when motorcycles possibly affected by this issue are next brought to the workshop, replace the washers and self locking nut. (see attached work item 00 60 298 for details).

Warranty Information: Reimbursement for this Technical Campaign is through normal claim entry utilizing the following information:

Defect code:	00 33 08 00 00	Replacing washers of swinging-arm axle
Labor code:	00 60 298	Replacing washers for swinging-arm shaft, 4 FRUs
Part numbers:	07 12 9 906 047	Hex nut, self-locking, M14 (swinging-arm shaft)
	07 11 9 905 829	Washer, A15 ZNS3 (x2)

*Main Work 00 60 298 - this main labor operation crediting 4 FRUs includes all repair procedures to complete the task with allowance for necessary ancillary tasks (e.g. visual inspection, lubrication, cleaning parts etc.) and administrative tasks. Only one main labor operation can be claimed per repair visit. All other labor operations for any other line(s) must be claimed using plus code labor operations. Please refer to the Warranty Policy and Procedures Manual regarding add-ons, proper support, documentation, claims submission and archiving requirements as applicable.

Contact: Service and Technical Manager

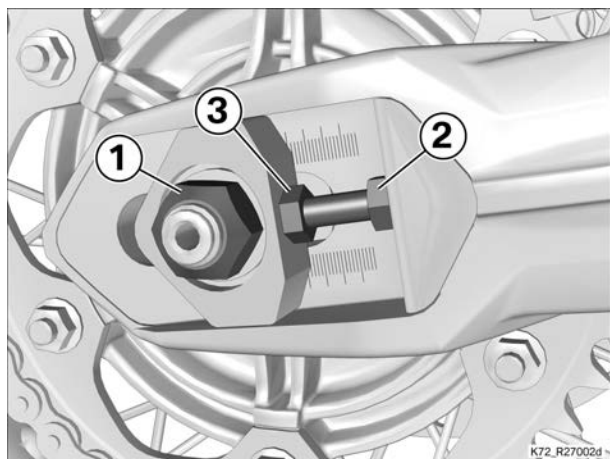
00 60 298 Replacing washers for swinging-arm shaft

1

► Preparatory work

- without center stand^{OE} (0636)
- Removing and installing the middle stand special tool (motorcycles without center stand) (Description in item: 46 52 511, Billed as a separate item)◊

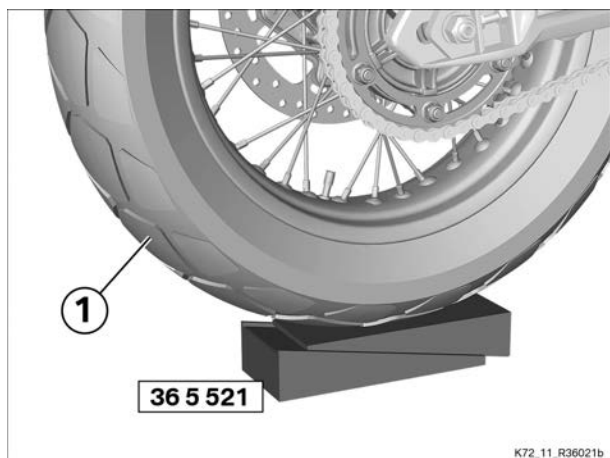
2



► Relieving chain tension

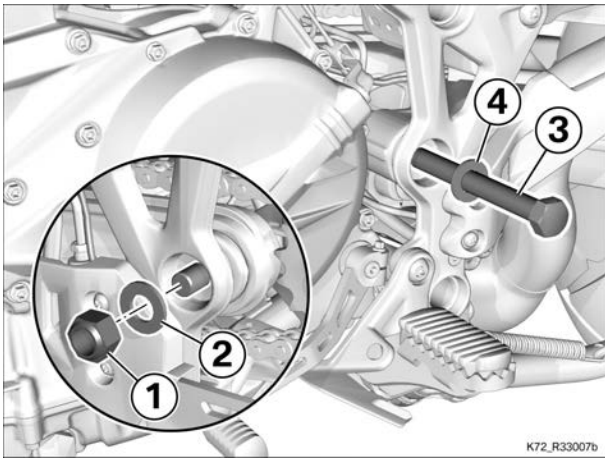
- Slacken nut **(1)**.
- Slacken locknuts **(2)** on left and right.
- Tighten adjusting screws **(3)** on left and right and push the wheel forward until the chain is slack.

3



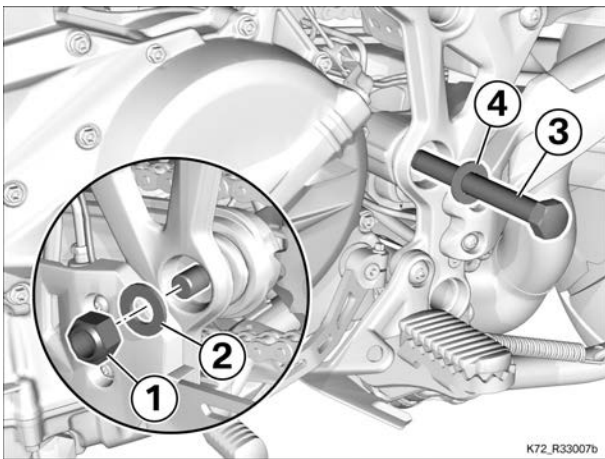
► Disengaging rear wheel swinging arm

- Support rear wheel **(1)** on wedge (36 5 521).



- Remove nut **(1)** with washer **(2)**.
- Using a suitable tool, push axle **(3)** toward the outside.
- Remove axle **(3)** with washer **(4)**.

4



► Securing rear wheel swinging arm with new washers

- Clean and thinly lubricate axle **(3)**.

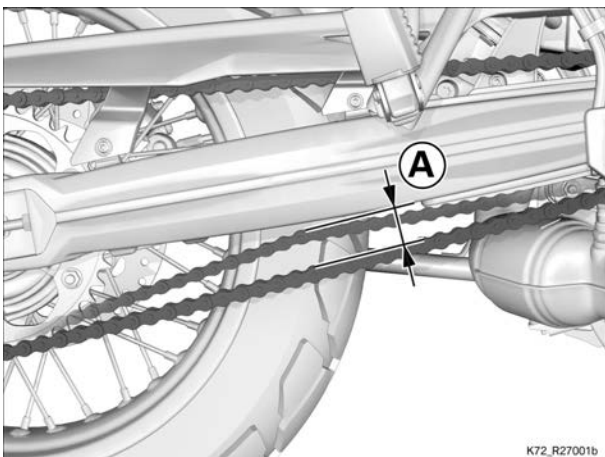
 Lubricant	
Acid-free friction-bearing grease	81 22 9 407 174 or equivalent

- Insert axle **(3)** with **new** washer **(4)**.
- Install nut **(1)** with **new** washer **(2)**.

 Tightening torques		
Rear wheel swinging arm to frame		
M14 x 1.5, Replace nut	100 Nm	
Thread-locking compound (mechanical)		

- Remove wedges (36 5 521).

5

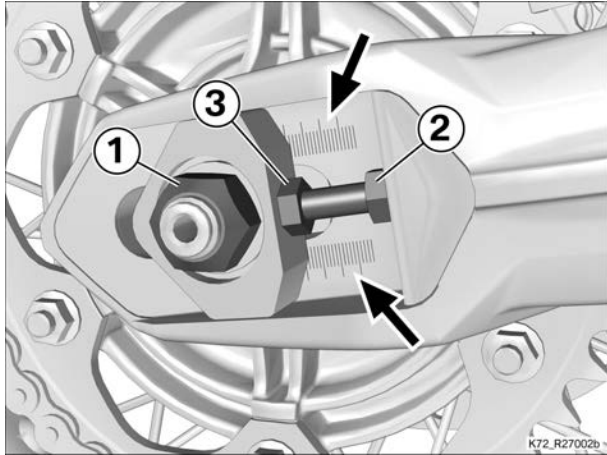


► Adjusting chain tension

Attention

The chain can be overstretched.
Adjust the chain at the point of least sag.

- Measure/adjust chain sag **(A)** halfway along the bottom chain run.



 Technical data			
Chain deflection	Motor-cycle with no weight applied, supported on its side stand	35...45 mm	

- Slacken nut **(1)**.
- Slacken locknuts **(2)** on left and right.

Attention

Failure to match the positions of the adjusting screws changes to the track of the wheel.
Make sure that the adjusters are set to the same mark on right and left.

- Use tensioning screws **(3)** to adjust chain tension, making sure that the rear wheel is aligned to track correctly (same scale readings **(arrow)** on **both sides** of the rear wheel swinging arm).
- Tighten locknuts **(2)** on left and right.

 Tightening torques		
Locknut of the final-drive chain tensioning screw		
M8	19 Nm	

- Tighten nut **(1)**.

 Tightening torques		
Rear quick-release axle in swinging arm		
M16 x 1.5	100 Nm	

- Recheck chain sag and rear wheel alignment again and to make sure the settings are correct.



6

► **Finishing work**

- Final check of work performed

