



Recall 17V-502

Rear wheel swing arm fixed-bearing stud screws

R nineT (K21, 0A16; K21/11, 0J03)

Service Information No. **SI 33 002 17**

Leadership circle

Marketing

Sale
New motorcycles

Sale
Used motorcycles

Aftersales

Administration

Service Information No. SI 33 002 17

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Situation

During the course of quality analysis, BMW Motorrad has determined on a few motorcycles, the rear wheel swing arm screw connection of the right fixed-bearing stud loosens. This in turn may result in vehicle instability.

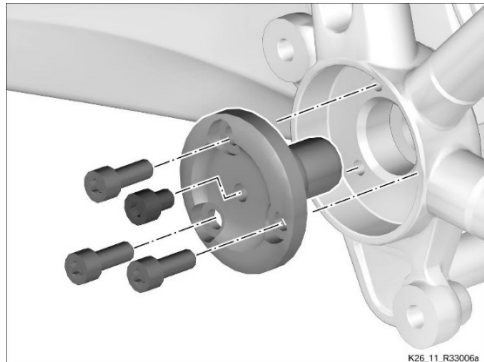


Figure 1: Fixed-bearing stud with screw connection

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.

NHTSA Statement

Please be reminded that it is a violation of federal law (The Safety Act) for you to sell, lease or deliver any new motor vehicle covered by this notification until the recall repair has been performed. This means that centers may not legally deliver new motor vehicles to consumers until they are fixed or use/sell replacement equipment/parts subject to this recall. Note also that substantial civil penalties apply to violations of the Safety Act.

Also, you should not sell, lease or deliver any Certified Pre-Owned or used vehicles subject to a safety recall until the repair is completed.

Please follow any special instructions that we provide to you for the return or disposition of recall parts.

Series solution

As of 08/14/2017 production, vehicles have a properly assembled fixed-bearing stud.

Aftersales solution

The screw connection of the fixed-bearing stud of the rear wheel swing arm in the frame must be redone according to the attached repair instructions 00 60 325.

Warranty processing

Defect code

00 00 33 44 00	Fixed-bearing stud screw connection of rear wheel swing arm
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FRU numbers

00 60 325	Securing fixe-bearing stud screw connection, 5 FRUs
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Part number

83 19 2 210 339	Thread-locking compound (Loctite 243, medium-strength) (sublet code4)
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Questions regarding this bulletin?

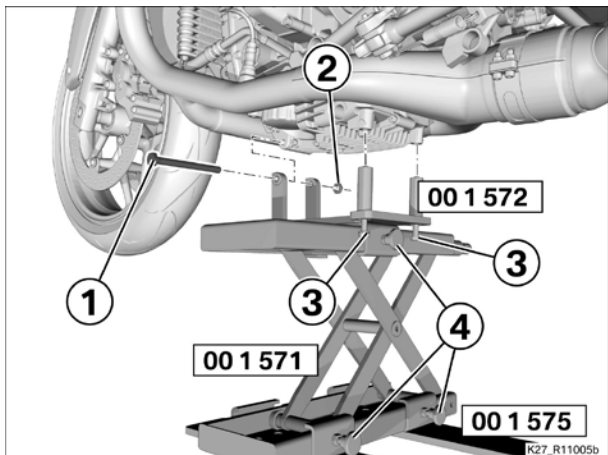
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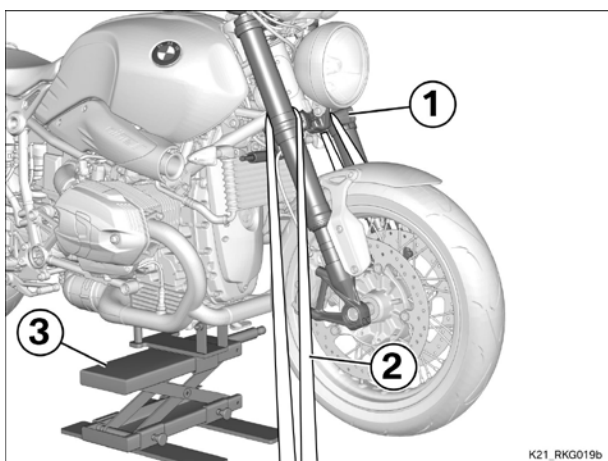
00 60 325 Securing fixed-bearing stud screw connection

1



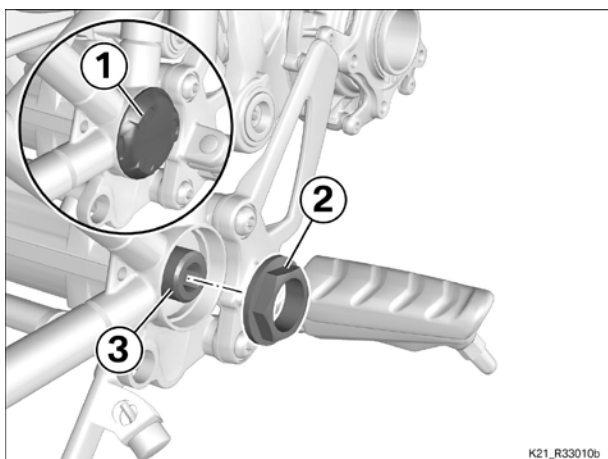
▶ Installing engine lifter

- ◆ Secure engine adapter (00 1 572) to the engine with screw **(1)**, nut **(2)** and screws **(3)**.
- ◆ Push scissor-type lifter (00 1 571) with extension (00 1 575) **(Long ends to the rear)** into the engine adapter.
- ◆ Tighten knurled screws **(4)** and slightly raise the motor-cycle with the engine lifter.



- ◆ Strap down vehicle nose **(1)** with ratchet straps **(2)**. Raise the rear of the vehicle with engine lifter **(3)**.

2

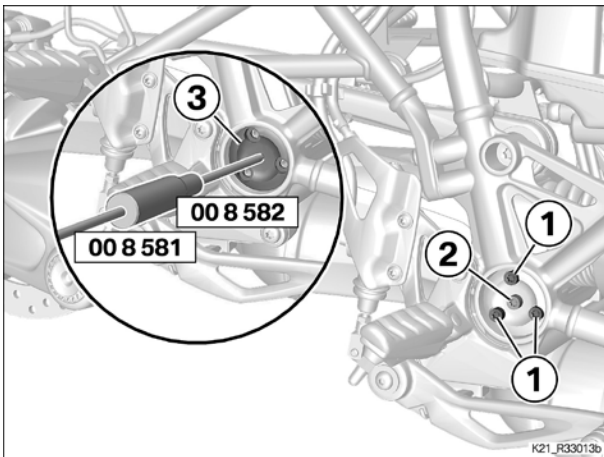


▶ Removing the fixed-bearing stud

- ◆ Carefully pry up cap **(1)**. Loosen
- ◆ lock nut **(2)**.
- ◆ Remove and clean floating bearing stud **(3)**.

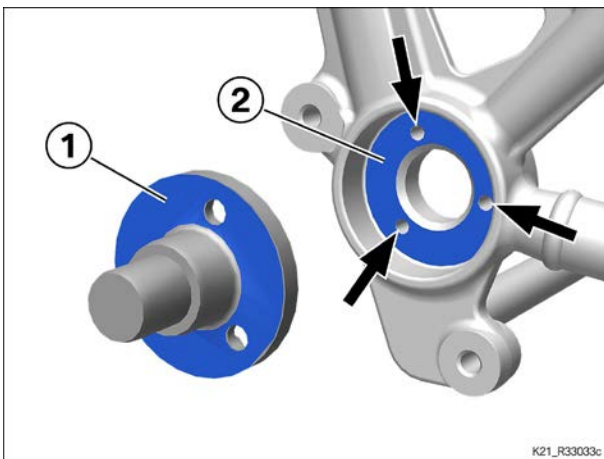
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- ◆ Remove screws **(1)** and **(2)**.
- ◆ Screw pull rod (00 8 581) with impact weight (00 8 582) in right bearing journal **(3)**.
- ◆ Lift swinging arm and remove bearing journal **(3)**.

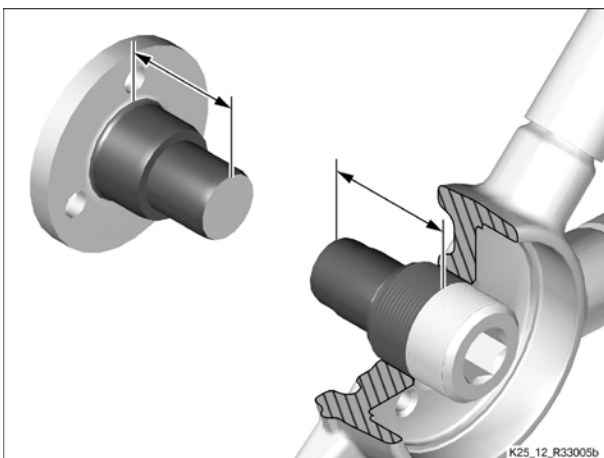
3



Cleaning the fixed-bearing stud and frame


- ◆ Clean contact surfaces **(1)** on fixed-bearing stud and **(2)** on frame as well as the threads **(Arrows)** and ensure that they are grease-free.

4



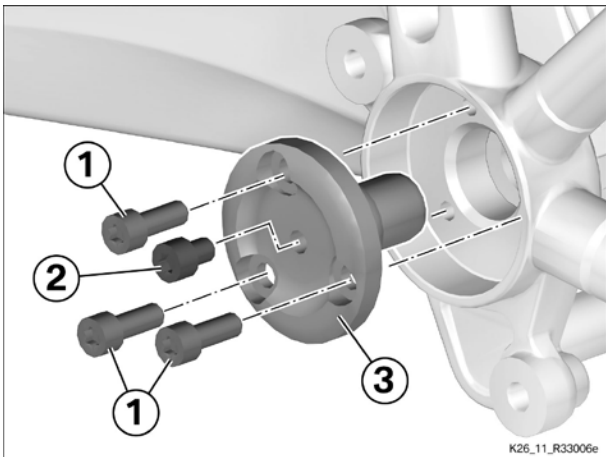
Installing the fixed-bearing stud

- ◆ Lightly lubricate the bearing stud at the parts of the bearing/frame as indicated.

 Lubricant	
Optimoly TA	18 21 9 062 599

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- Clean the threads.

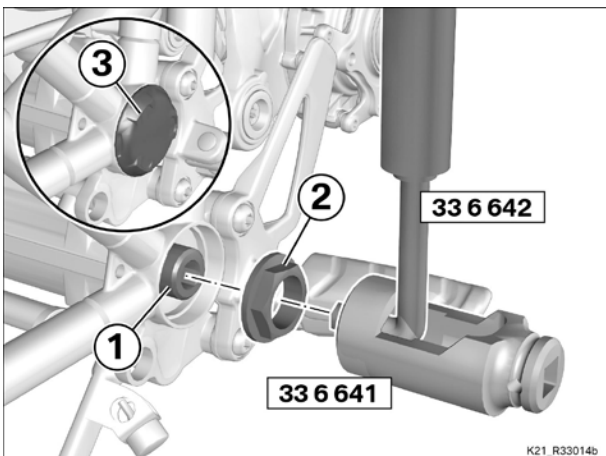
NOTICE

In order to ensure trouble-free screw locking with Loctite, the screw connection threads must be grease-free; if required, cleaning may be required once again after the installation of the fixed-bearing stud.

- Install fixed-bearing stud (3). Install
- screws (1).

Tightening torques		
Fixed-bearing stud (right) to rear frame		
M6 x 16	8 Nm	
Thread-locking compound (Loctite 243, Medium strength)		

- Install bolt (2).
- Align swinging arm and floating bearing stud (1).



Tightening torques		
Floating bearing stud of swinging arm to frame, left		
M24 x 1.25	Tightening torque, 20 Nm	
Lubricate thread and bearing seat, Lubricant (Optimoly TA)		slacken
	Tightening torque, 7 Nm	

- Tighten lock nut (2) with hexagon socket (33 6 642) and socket (33 6 641).

Tightening torques		
Locknut (floating bearing stud) to rear frame		
M24 x 1.25, counter-hold at floating bearing stud	145 Nm	

- Install cap (3).

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► Removing engine lifter

- Lower the motorcycle on the engine lifter. Re-
- move the straps.
- Loosen knurled screws and pull scissor-type lifter (00 1 571) with extension (00 1 575) out of the engine fixture. Remove
- engine adapter (00 1 572).

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► Final check of work performed

- ◆ Check the following:
 - The work as performed achieved the intended purpose.
 - All reservoirs and containers have been filled and all fluids and lubricants are at their correct levels.
 - All threaded fasteners released beforehand have been correctly retightened.
 - The fuel system is free of leaks.
 - The lights and signaling equipment are fully operational and the vehicle is roadworthy.
 - The brake pads of the front and rear brakes are bedded against the brake discs.

▷ Function test, engine start suppression

Check

- ◆ Shift the transmission to idle position.
- ◆ Switch on the ignition.
 - » Neutral indicator light "N" lights up.
- ◆ Select a gear.
 - » Neutral indicator light "N" goes out.
- ◆ Operate the starter motor switch.
 - » Starter does **not** operate.
- ◆ Extend the side stand.
- ◆ Pull the clutch lever.
- ◆ Operate the starter motor switch.
 - » Starter does **not** operate.
- ◆ Retract the side stand.
- ◆ Operate the starter motor switch when the clutch is pulled.
 - » Starter operates.

Result

Not all test steps completed successfully.

Measure

- ◆ Check the appropriate parts with the BMW Motorrad diagnostic system.