

22.11.2018

**BMW  
R1200GS  
(R12W)**

Mounting instruction for 17" OZ rim modification:

**Attention: The assembly has only to be executed by qualified professionals!**

Please check before assembly following precondition:

R1200GS standard model > no Adventure

R1200GS cast rim > no spoke rim\*

Model year from 04/2014\*\*

\*At modification with spoke oem rim the tire pressure sensor (RDC) of the oem cast rim including the fixing material has to be used. It is not possible to use the sensor of the spoke oem rim in connection with the OZ rim.

\*\*At model year up to 03/2014 the left radial seal ring in the front OZ rim has to be replaced by the suitable radial seal ring. The bushing between left fork foot and wheel bearing was changed. See picture 1

Model year up to  
03/2014  
bushing outerØ 30mm

required seal ring  
AS30x47x7

picture 1



Model year from  
04/2014  
bushing outerØ 25mm

required seal ring  
AS25x47x7

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Jack the vehicle at the front and rear with suitable assembly stand and secure it against topple.

### **Rear wheel:**

1. Loosen the fixing screw of the rear wheel and dismount the wheel.
2. Demount the rear tyre and dismount the tyre pressure sensor from the oem rim. Mount the tyre pressure sensor on the delivered OZ rim (use thread locking compound). Note: Pay attention to the torque values and mounting advice of the vehicle manufacturer. You will find a chart with torque values at the end of this instruction.  
Tip: Place a marking at the OZ rim, on that position where the sensor is located. This facilitates the procedure of the demounting of the tyre without damaging the sensor.
3. Mount new tyre (180/55ZR17 73W) on the rear rim (pay attention to the direction of rotation). Then balance the rear wheel.
4. Mount the rear wheel on the motorbike. Pay attention to the torque. You will find a chart with torque values at the end of this instruction.

picture 2



5. Pay attention to adequate freedom of motion of the wheel. If necessary mount the delivered spacer between support and bracket of the muffler. See picture 2.

**Mount spacer if necessary**

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## Front wheel:

6. Demount both caliper at the front. Loosen the clamping screw of the axle.
7. Extract the front axle and demount the front wheel.

picture 3



M5x16mm

adapter sheet

clip

8. Demount the front mudguard.  
Note: both lower fixing screw (fork foot) will be used again.
9. Mount both adapter sheet on the fork foot with the delivered M5x16mm screw and then place the delivered clip. See picture 3
10. Retain the mud guard with the original screw on the adapter sheet. Do not tighten the screw yet.



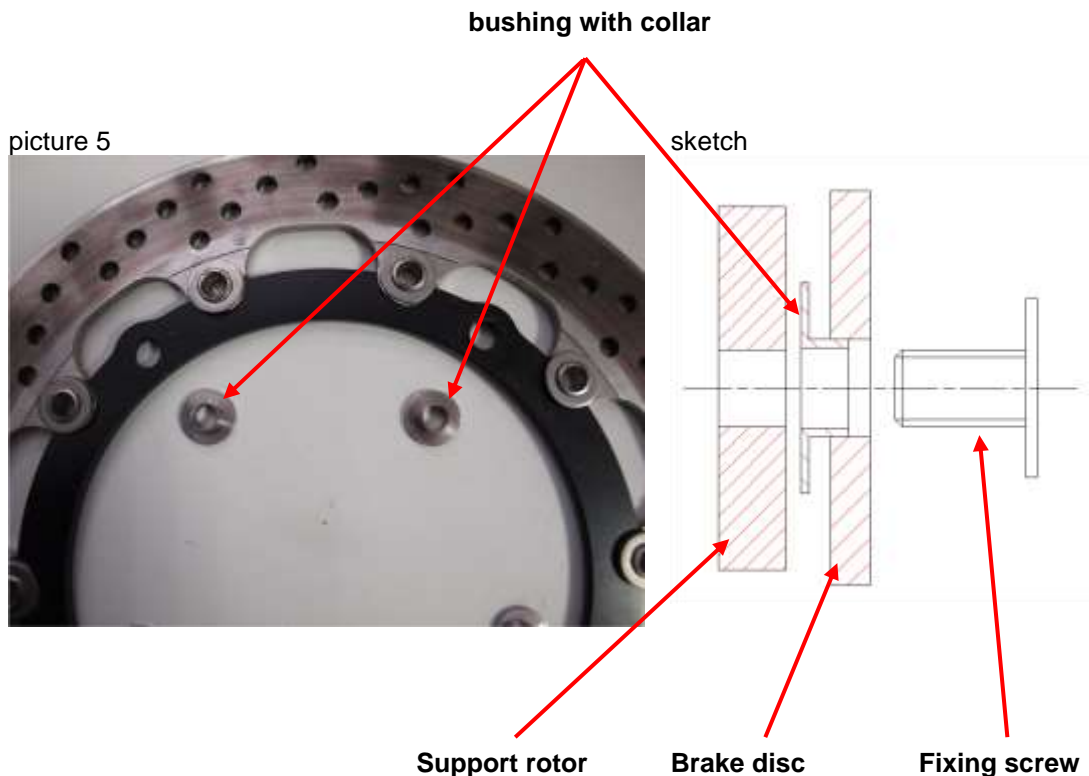
spacer  
bushing

11. Mount both delivered spacer bushing (length 35mm) between lower fork bridge and mud guard. Use the delivered screw M5x45mm. See picture 4.  
Note: The crank of the bushing has to be aligned to the mud guard.
12. Tighten now all fixing screw of the mud guard.

13. Demount the front tyre and dismount the tyre pressure sensor from the oem rim. Mount the tyre pressure sensor on the delivered OZ rim (use thread locking compound).  
Note: Pay attention to the torque values and mounting advice of the vehicle manufacturer. You will find a chart with torque values at the end of this instruction.  
Tip: Place a marking at the OZ rim, on that position where the sensor is located. This facilitates the procedure of the demounting of the tyre without damaging the sensor.
14. Please pay attention to the direction of rotation of the front wheel for the following mounting of the brake disc and the sensor ring (see marking on the rim).

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15. Mount the brake disc according to the acquired fitting kit with the delivered screw:
- **36-R12WOZ-001** Scope of delivery without brake disc: demount in this case the original brake disc and mount them on the delivered OZ wheel. Pay attention to the correct side. Use left brake disc again on left side and right disc on right side. Please use the delivered brake disc screw. Torque values, see chart at the end of this instruction.
  - **36-R12WOZ-002** Scope of delivery with alpha Racing brake disc: mount in this case the delivered brake disc on the delivered OZ wheel (pay absolutely attention to the direction of rotation and the alignment of the marking to the external side). Mount the delivered bushing between brake disc an support rotor. See picture 5 an sketch..  
**Attention:** Implicitly the collar of the bushing has to be located between support rotor and brake disc! See sketch. Never mount the bushing from the outside! Please use the delivered brake disc screw. Torque values, see chart at the end of this instruction.



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16. Mount the delivered sensor ring in driving direction on the left side on the OZ wheel. See picture 6.  
Torque values, see chart at the end of this instruction

Foto 6



17. Mount new tyre (120/70 ZR17 58W) on the front rim (pay attention to the direction of rotation). Then balance the front wheel
18. Mount the front wheel. Pay attention to the bike manufacturer advices.
19. If original brake disc will be used, then the caliper has to be mounted as in original position.

picture 7



**Adapter  
for caliper**

20. Place the delivered adapter for caliper between fork foot and caliper if you use the delivered alpha Racing brake disc. See picture 7. Torque values, see chart at the end of this instruction

21. Make a test drive after the modification and check the function of the ABS and the tyre pressure system. Readout the vehicle error memory and reset it if necessary. Check the head lamp adjustment and modify it if necessary.

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**Torque value chart**

| Screw                      | Size   | Anzugsmoment in Nm |
|----------------------------|--------|--------------------|
| RDC-Sensor (tyre pressure) | M8x25  | 9                  |
| Rear wheel screw           | M10x40 | 60                 |
| Brake disc front           | --     | 19                 |
| Front axle                 | M12x20 | 30                 |
| Axle clamping screw        | M8x35  | 19                 |
| Caliper screw              | M10x65 | 38                 |
| Sensor ring at front wheel | M5x10  | 5                  |

**Use tyre pressure like on original rim / tyre**



**Achtung!** Bei falschem Reifenluftdruck, abgefahrenen Reifen, Montage von nicht freigegebenen Reifen oder Überladung kann die Fahrstabilität dieses Motorrads beeinträchtigt werden.  
**Attention!** Bitte beachten Sie die Reifeneempfehlungen von BMW Motorrad.  
 The stability and handling characteristics of this motorcycle could become unsafe by the use of improper tire inflation pressures, overworn tires, repaired tires, tires not approved by us, overloading and unbalanced loading.

| Reifen vorne / Tires front      |          | Reifen hinten / Tires rear |          |
|---------------------------------|----------|----------------------------|----------|
| Reifenüberdruck / Tire pressure |          |                            |          |
|                                 | 2,5 / 36 |                            | 2,9 / 42 |
|                                 | 2,5 / 36 |                            | 2,9 / 42 |
|                                 | 2,5 / 36 |                            | 2,9 / 42 |
| 120/70 R19                      |          | 170/60 R17                 |          |

**Empfehlung für Reifenmindestprofiltiefe**  
 Recommendation for tread depth (min)  
 Recommendation pour profondeur minimum du profil de pneu

|               |   |
|---------------|---|
| vorne / front | 2 mm (0,08 inch)                              |
| hinten / rear | 2 mm (0,08 inch) bis / up to 130 km/h (80mph) |
|               | 3 mm (0,12 inch) über / over 130 km/h (80mph) |

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